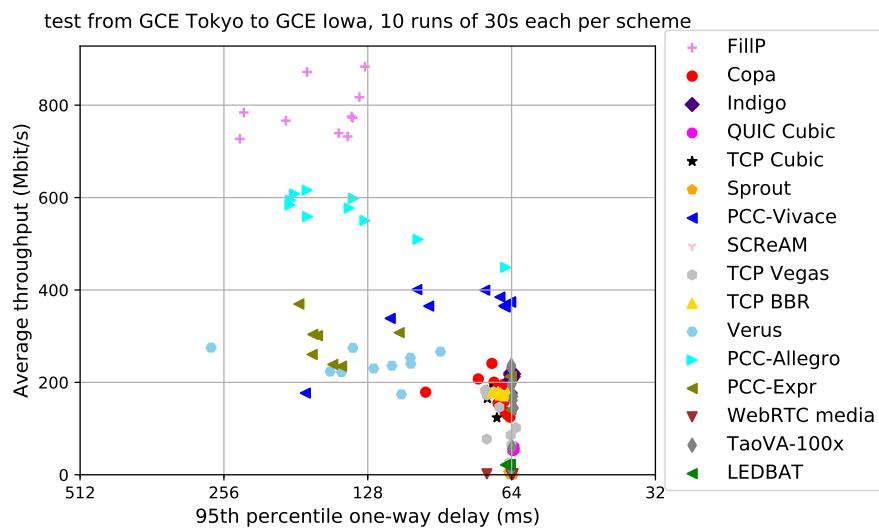
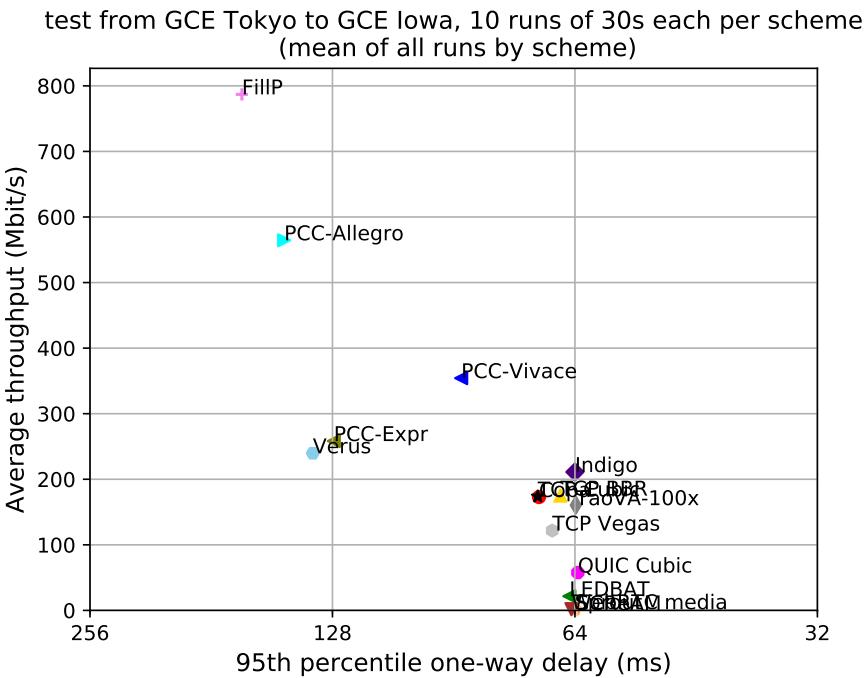


## Pantheon Report

Generated at 2018-05-31 22:19:48 (UTC).  
Data path: GCE Tokyo Ethernet (*remote*) → GCE Iowa Ethernet (*local*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against `time.google.com` and have been applied  
to correct the timestamps in logs.

Git summary:

```
branch: master @ 227fdf9a3757f17b88537ccecd5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



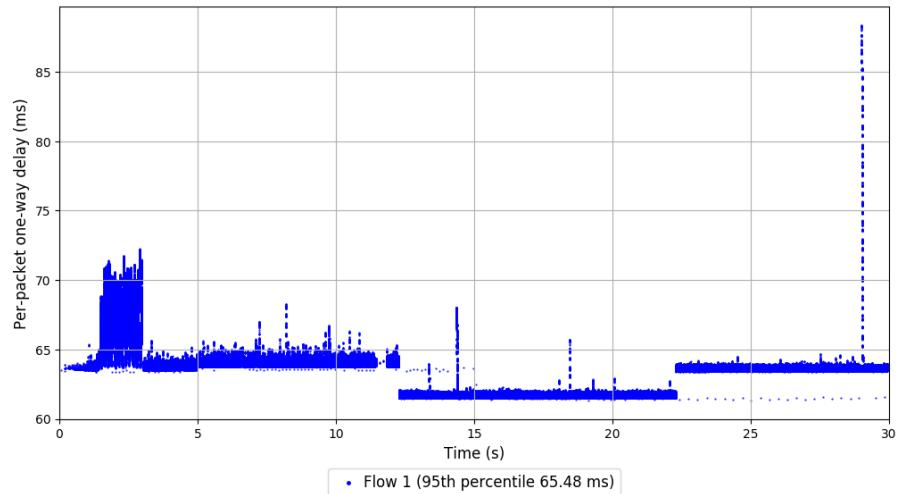
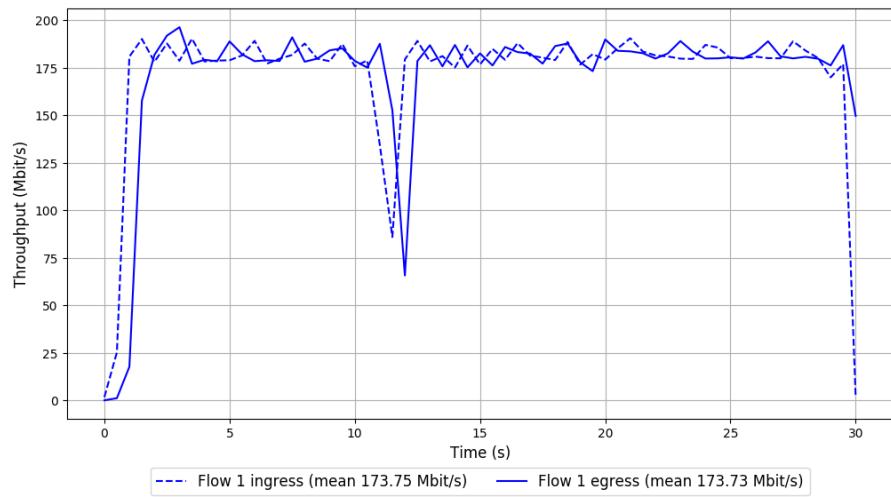
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	175.10	66.73	0.39
Copa	10	172.89	70.92	0.29
TCP Cubic	10	173.76	71.18	0.38
FillP	10	787.01	165.83	4.08
Indigo	10	211.09	64.00	0.45
LEDBAT	10	21.66	65.04	0.82
PCC-Allegro	10	564.48	146.96	1.56
PCC-Expr	10	258.27	127.52	1.46
QUIC Cubic	9	57.73	63.48	0.64
SCReAM	10	0.22	63.77	0.43
Sprout	10	1.76	64.04	0.24
TaoVA-100x	10	160.54	63.84	0.48
TCP Vegas	10	121.72	68.29	0.38
Verus	10	239.65	135.40	1.57
PCC-Vivace	10	354.22	88.60	0.66
WebRTC media	10	1.83	64.65	1.65

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-31 17:29:15
End at: 2018-05-31 17:29:45
Local clock offset: 0.011 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-05-31 20:54:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 173.73 Mbit/s
95th percentile per-packet one-way delay: 65.477 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 173.73 Mbit/s
95th percentile per-packet one-way delay: 65.477 ms
Loss rate: 0.43%
```

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

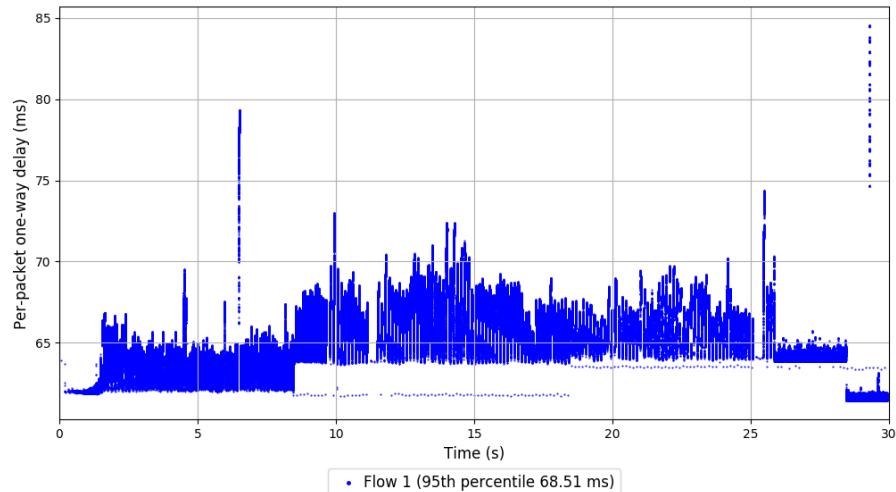
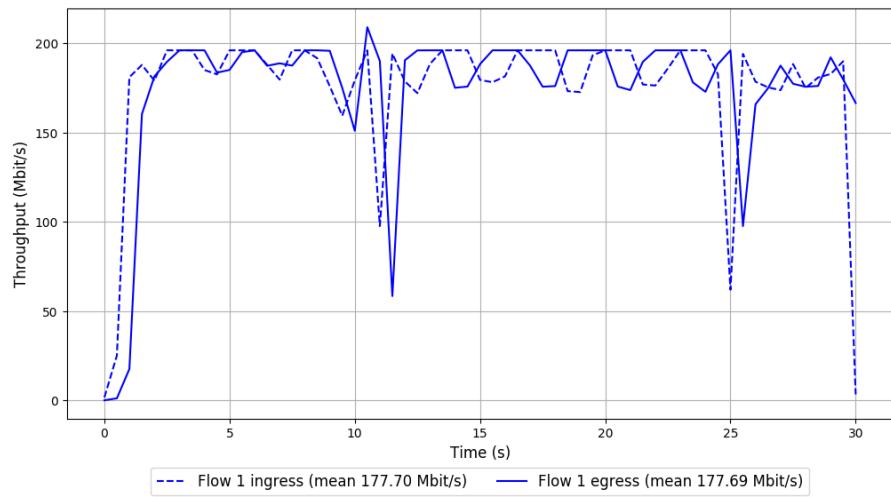


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-31 17:49:59
End at: 2018-05-31 17:50:29
Local clock offset: -0.078 ms
Remote clock offset: -0.192 ms

# Below is generated by plot.py at 2018-05-31 20:54:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.69 Mbit/s
95th percentile per-packet one-way delay: 68.508 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 177.69 Mbit/s
95th percentile per-packet one-way delay: 68.508 ms
Loss rate: 0.43%
```

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

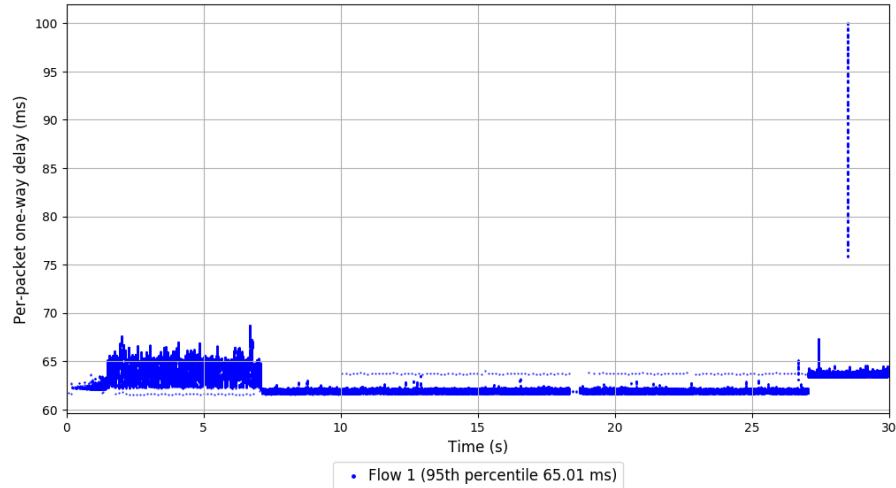
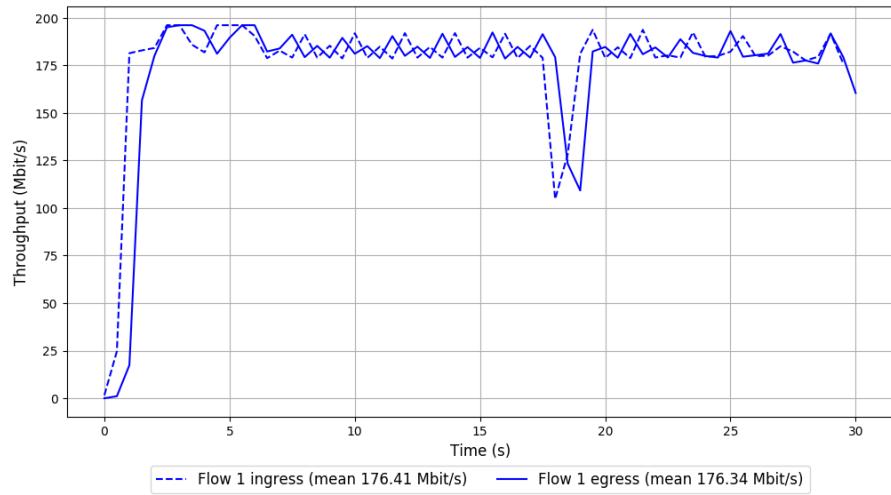


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-31 18:10:40
End at: 2018-05-31 18:11:10
Local clock offset: -0.009 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-05-31 20:54:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.34 Mbit/s
95th percentile per-packet one-way delay: 65.009 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 176.34 Mbit/s
95th percentile per-packet one-way delay: 65.009 ms
Loss rate: 0.44%
```

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

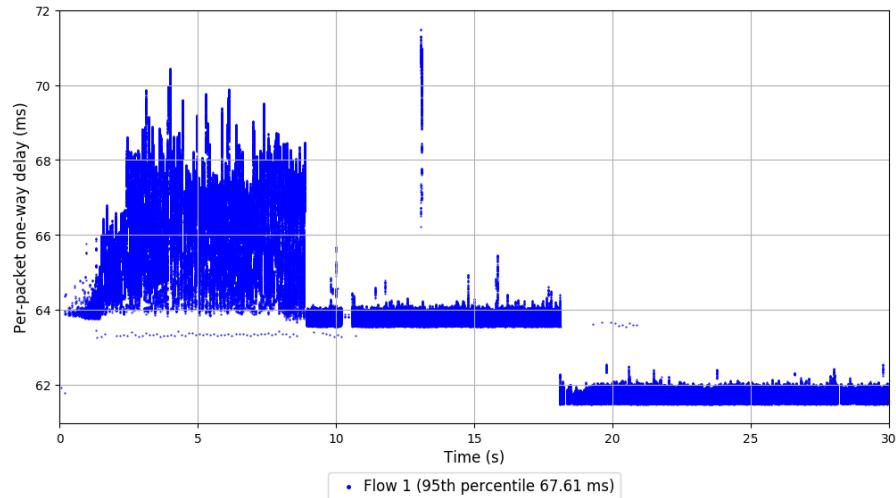
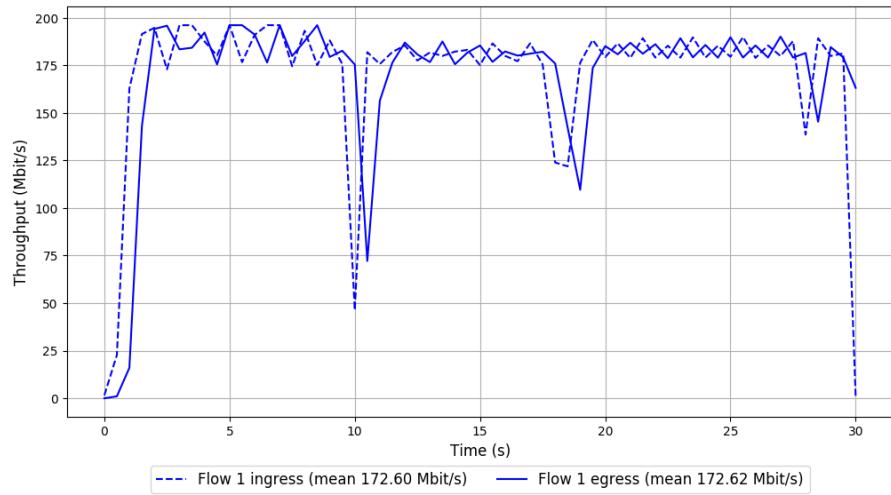


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-31 18:31:09
End at: 2018-05-31 18:31:39
Local clock offset: -0.064 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-05-31 20:54:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.62 Mbit/s
95th percentile per-packet one-way delay: 67.611 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 172.62 Mbit/s
95th percentile per-packet one-way delay: 67.611 ms
Loss rate: 0.43%
```

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

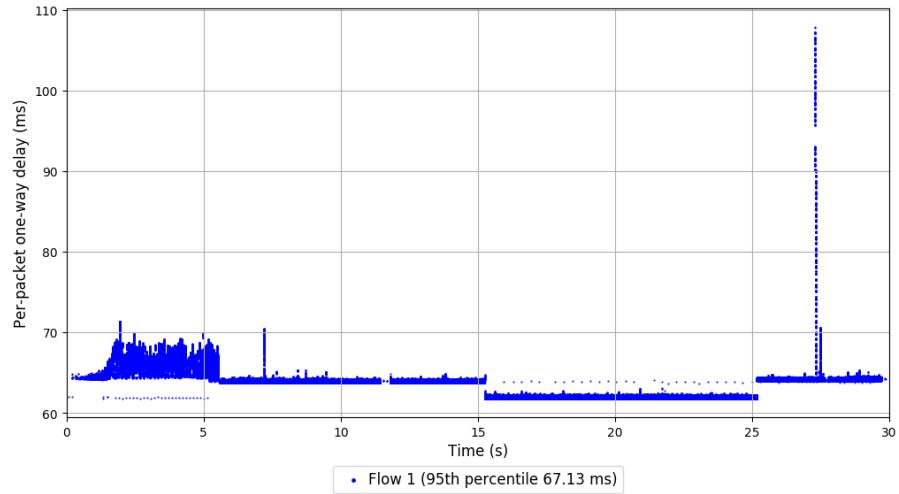
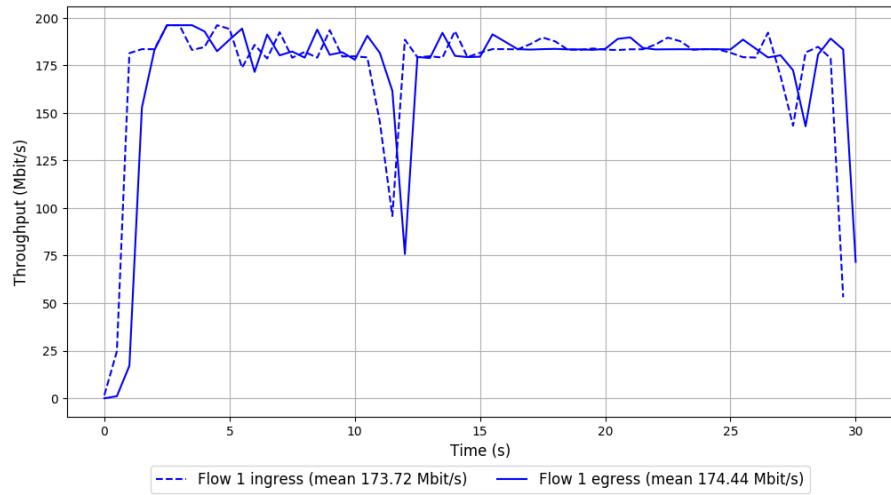


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-31 18:51:52
End at: 2018-05-31 18:52:22
Local clock offset: -0.09 ms
Remote clock offset: -0.448 ms

# Below is generated by plot.py at 2018-05-31 20:54:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.44 Mbit/s
95th percentile per-packet one-way delay: 67.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.44 Mbit/s
95th percentile per-packet one-way delay: 67.134 ms
Loss rate: 0.00%
```

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

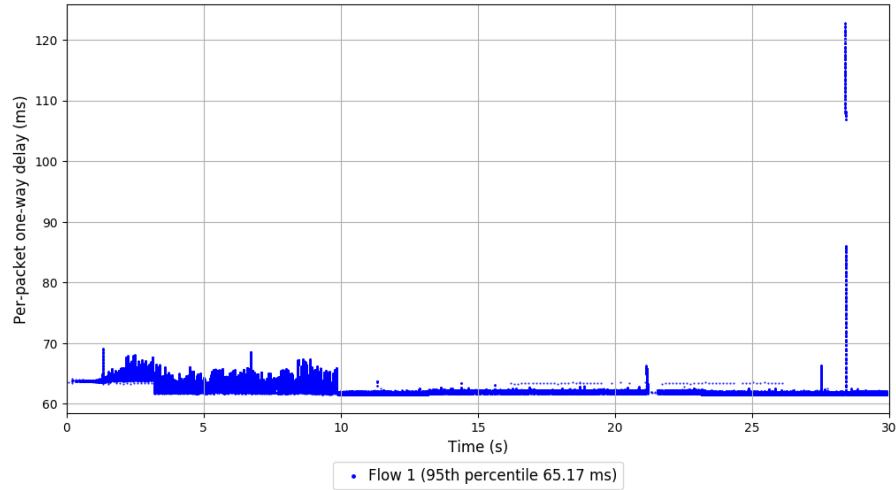
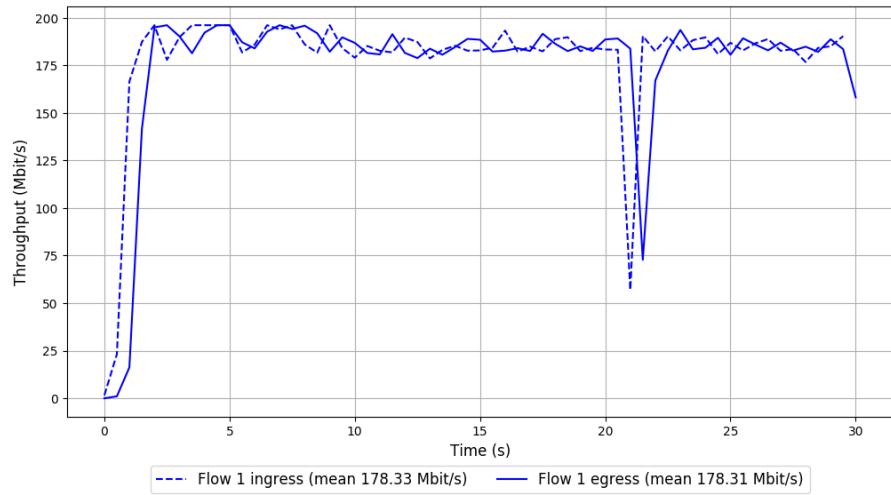


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-31 19:12:44
End at: 2018-05-31 19:13:14
Local clock offset: -0.076 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-05-31 20:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.31 Mbit/s
95th percentile per-packet one-way delay: 65.168 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 178.31 Mbit/s
95th percentile per-packet one-way delay: 65.168 ms
Loss rate: 0.45%
```

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

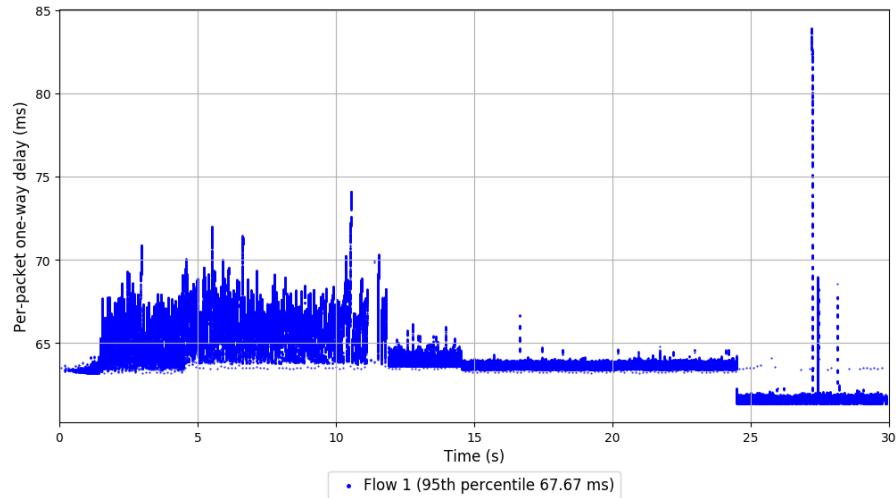
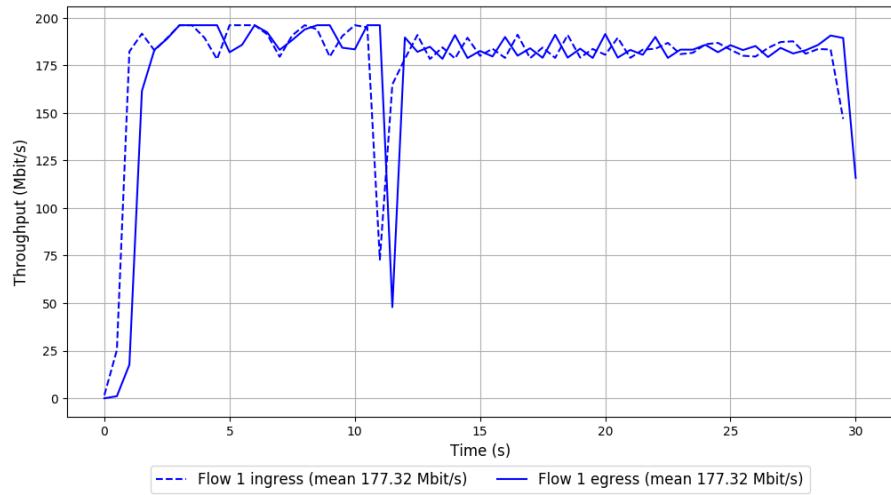


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-31 19:33:03
End at: 2018-05-31 19:33:33
Local clock offset: -0.05 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-05-31 20:54:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.32 Mbit/s
95th percentile per-packet one-way delay: 67.675 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 177.32 Mbit/s
95th percentile per-packet one-way delay: 67.675 ms
Loss rate: 0.42%
```

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

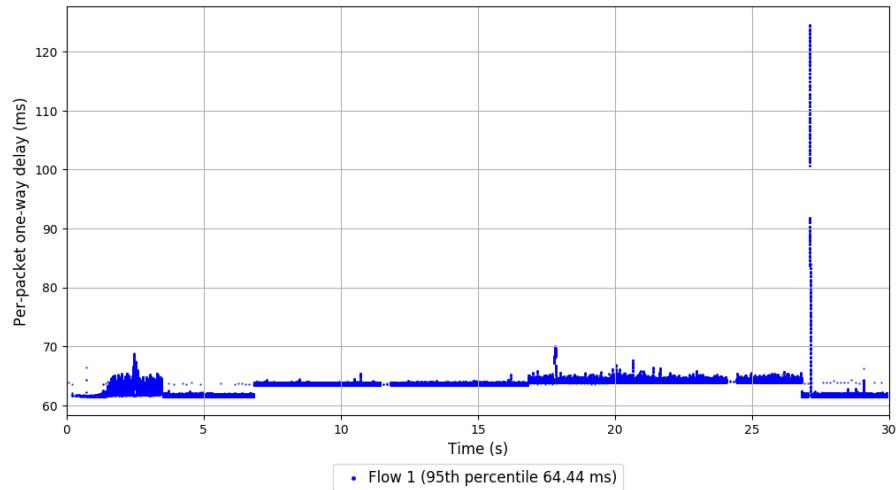
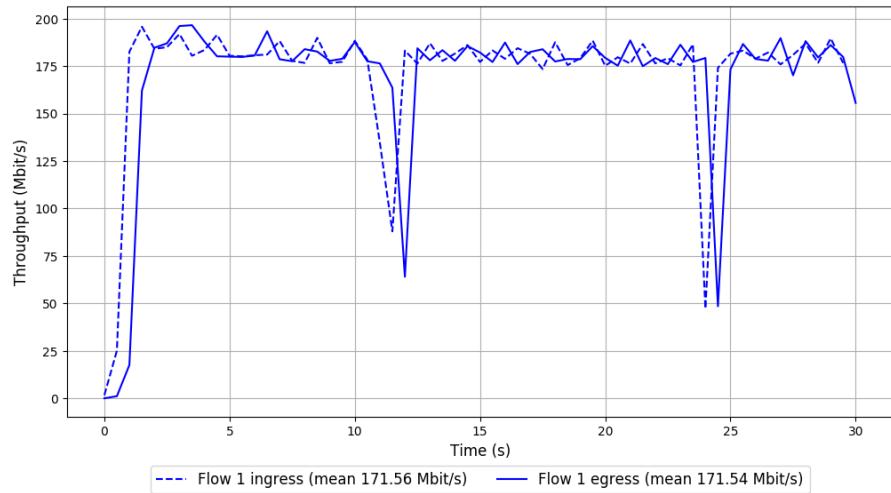


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-31 19:53:31
End at: 2018-05-31 19:54:01
Local clock offset: -0.067 ms
Remote clock offset: -0.153 ms

# Below is generated by plot.py at 2018-05-31 20:54:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.54 Mbit/s
95th percentile per-packet one-way delay: 64.445 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 171.54 Mbit/s
95th percentile per-packet one-way delay: 64.445 ms
Loss rate: 0.44%
```

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

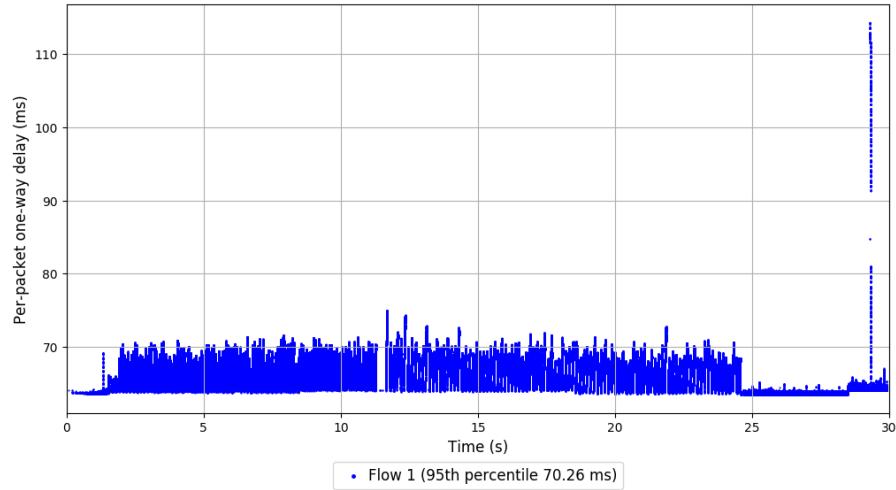
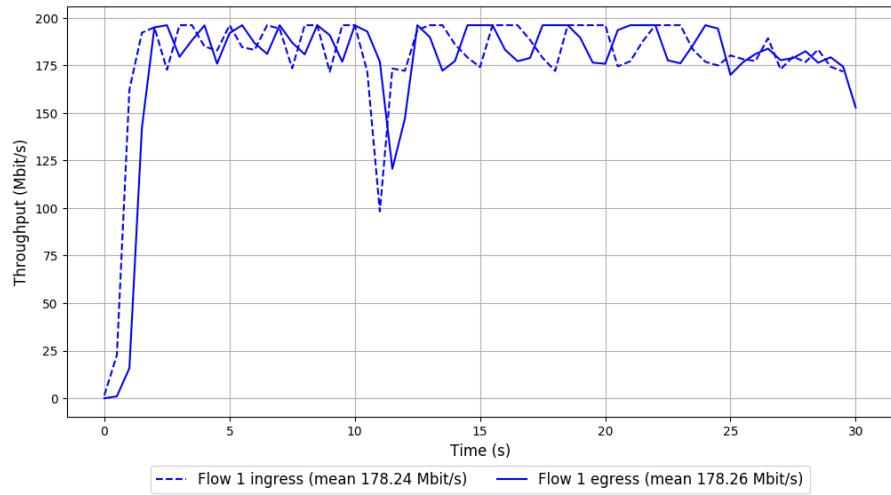


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-31 20:14:19
End at: 2018-05-31 20:14:49
Local clock offset: 0.008 ms
Remote clock offset: -0.286 ms

# Below is generated by plot.py at 2018-05-31 20:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.26 Mbit/s
95th percentile per-packet one-way delay: 70.256 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 178.26 Mbit/s
95th percentile per-packet one-way delay: 70.256 ms
Loss rate: 0.41%
```

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

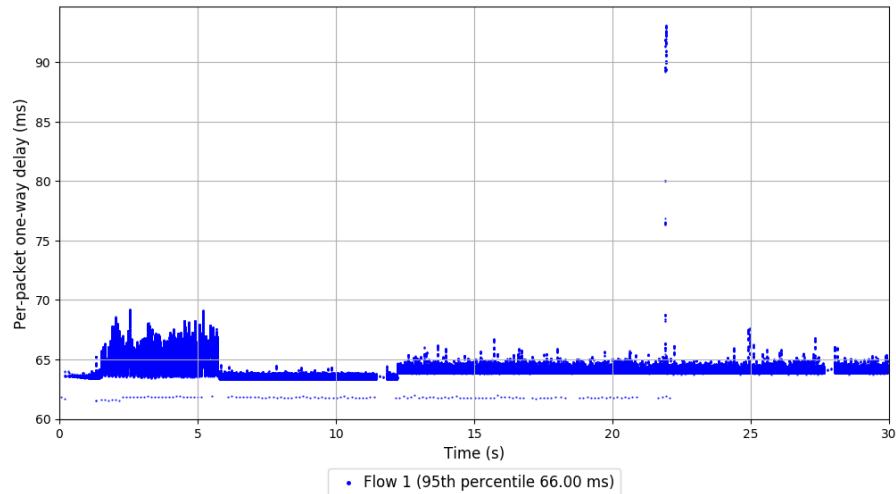
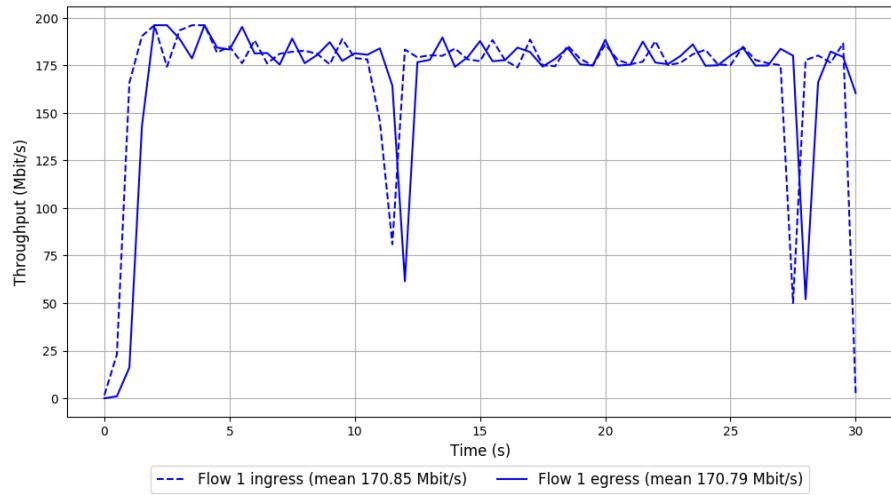


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-31 20:34:55
End at: 2018-05-31 20:35:25
Local clock offset: 0.022 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-05-31 20:56:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.79 Mbit/s
95th percentile per-packet one-way delay: 66.003 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 170.79 Mbit/s
95th percentile per-packet one-way delay: 66.003 ms
Loss rate: 0.48%
```

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

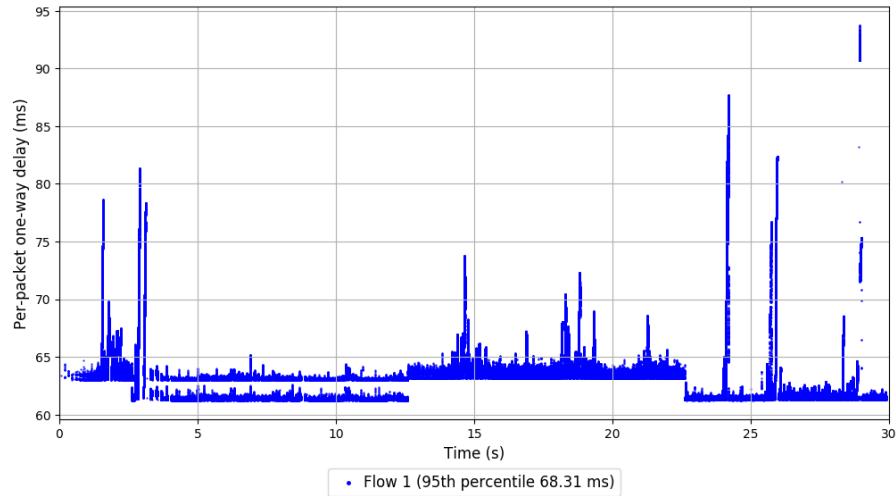
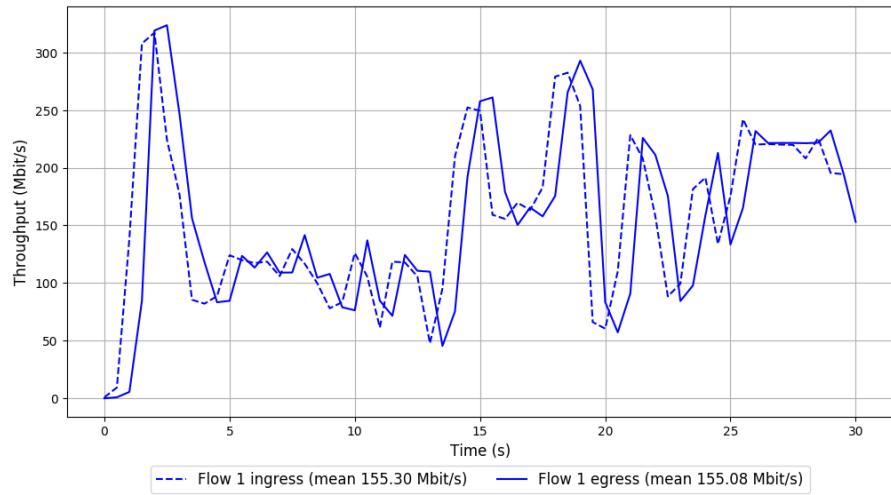


Run 1: Statistics of Copa

```
Start at: 2018-05-31 17:18:15
End at: 2018-05-31 17:18:45
Local clock offset: 0.005 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2018-05-31 20:59:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.08 Mbit/s
95th percentile per-packet one-way delay: 68.314 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 155.08 Mbit/s
95th percentile per-packet one-way delay: 68.314 ms
Loss rate: 0.56%
```

## Run 1: Report of Copa — Data Link

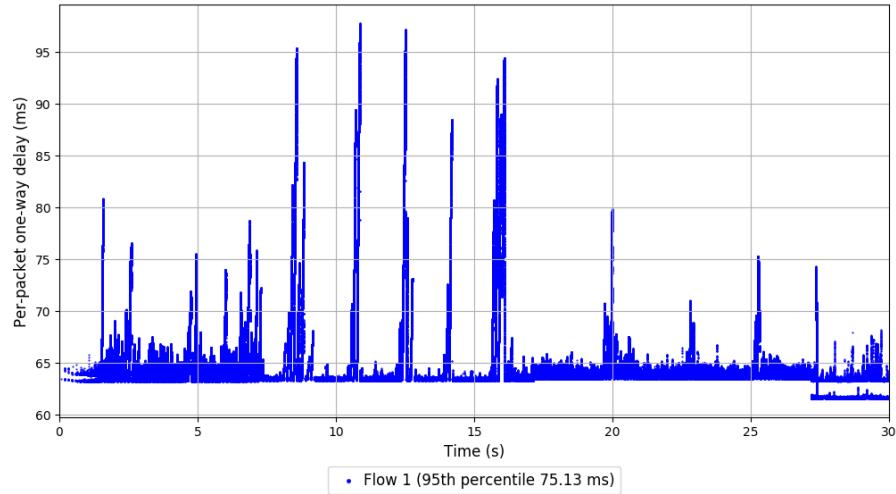
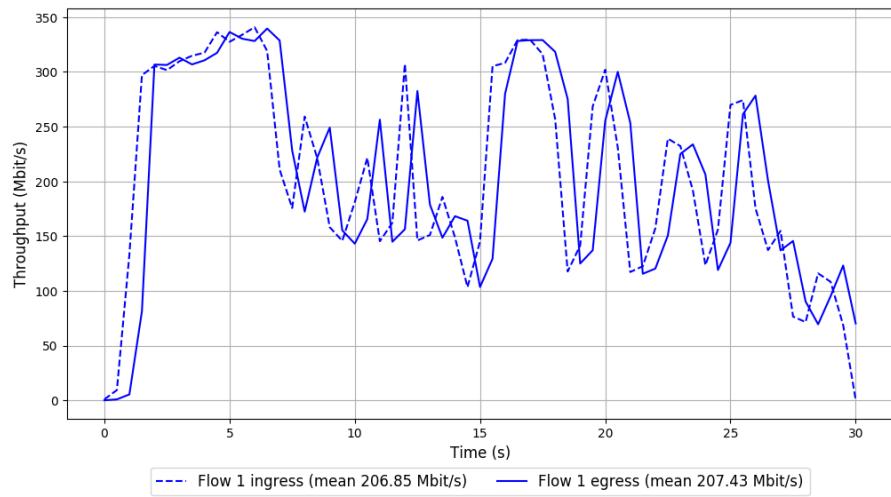


Run 2: Statistics of Copa

```
Start at: 2018-05-31 17:38:30
End at: 2018-05-31 17:39:00
Local clock offset: -0.015 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-05-31 21:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.43 Mbit/s
95th percentile per-packet one-way delay: 75.132 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 207.43 Mbit/s
95th percentile per-packet one-way delay: 75.132 ms
Loss rate: 0.14%
```

## Run 2: Report of Copa — Data Link

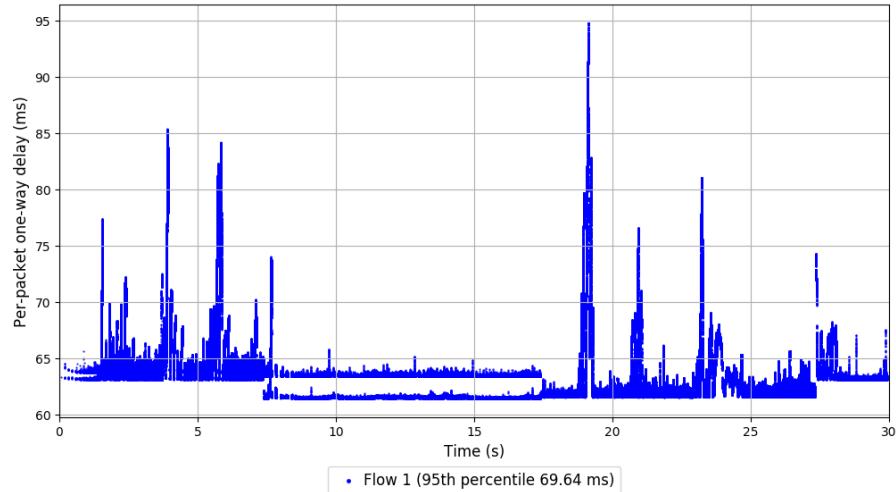
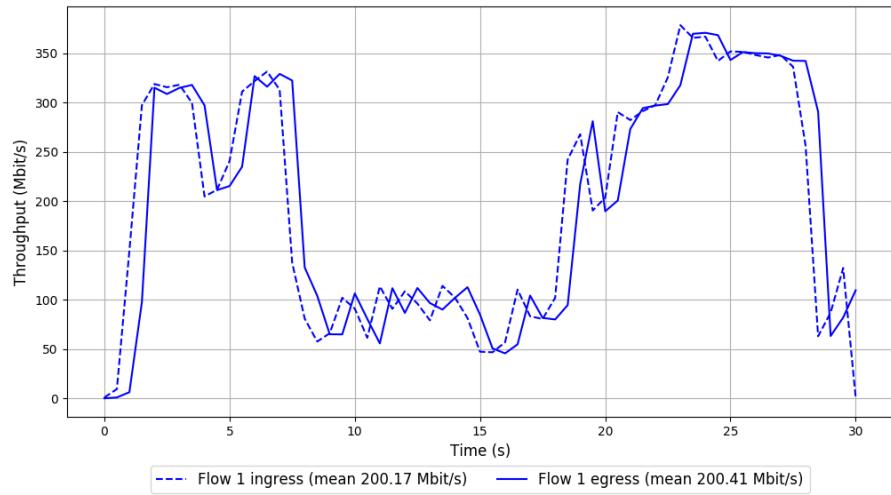


Run 3: Statistics of Copa

```
Start at: 2018-05-31 17:59:20
End at: 2018-05-31 17:59:50
Local clock offset: -0.059 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-05-31 21:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.41 Mbit/s
95th percentile per-packet one-way delay: 69.641 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 200.41 Mbit/s
95th percentile per-packet one-way delay: 69.641 ms
Loss rate: 0.30%
```

### Run 3: Report of Copa — Data Link

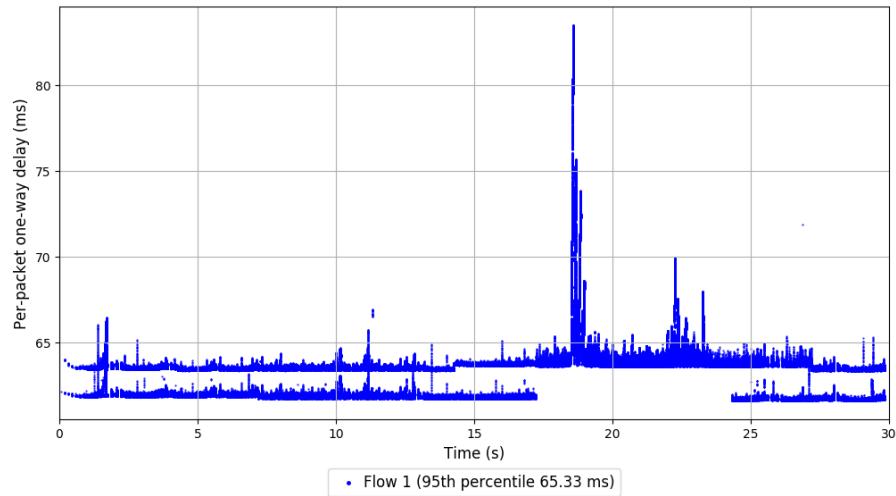
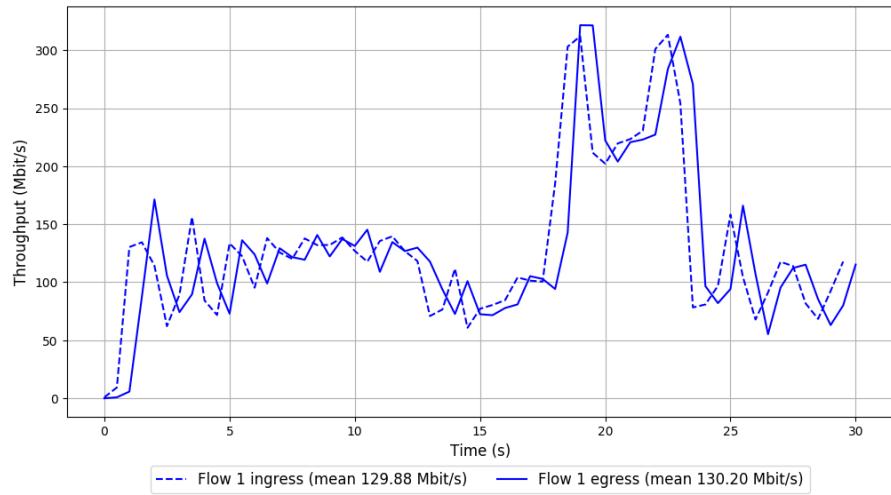


Run 4: Statistics of Copa

```
Start at: 2018-05-31 18:20:03
End at: 2018-05-31 18:20:33
Local clock offset: -0.051 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2018-05-31 21:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.20 Mbit/s
95th percentile per-packet one-way delay: 65.332 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 130.20 Mbit/s
95th percentile per-packet one-way delay: 65.332 ms
Loss rate: 0.38%
```

## Run 4: Report of Copa — Data Link

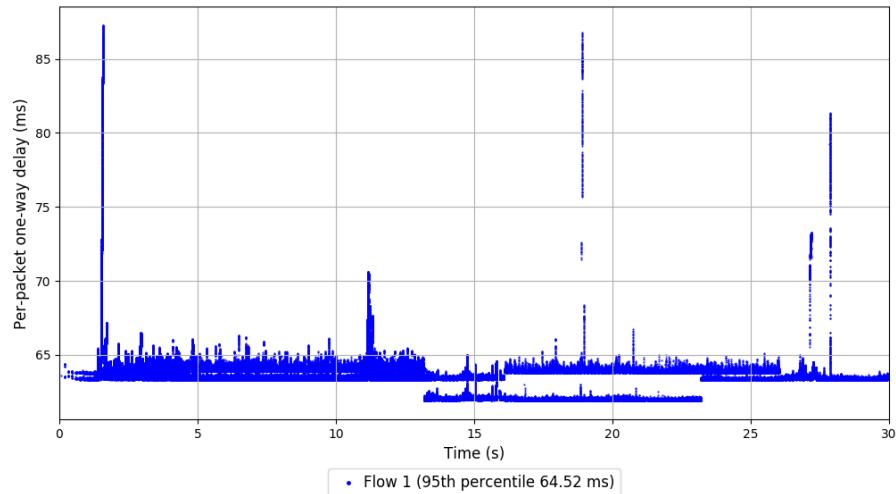
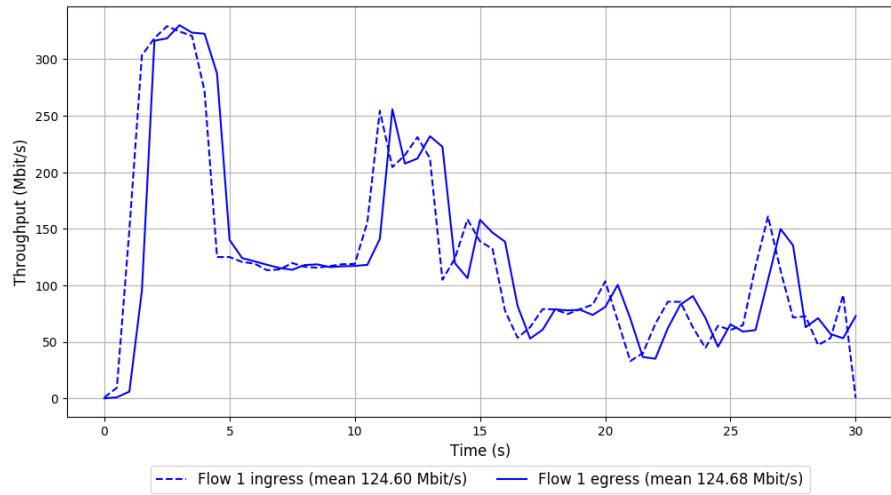


Run 5: Statistics of Copa

```
Start at: 2018-05-31 18:40:44
End at: 2018-05-31 18:41:14
Local clock offset: -0.086 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2018-05-31 21:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.68 Mbit/s
95th percentile per-packet one-way delay: 64.522 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 124.68 Mbit/s
95th percentile per-packet one-way delay: 64.522 ms
Loss rate: 0.36%
```

## Run 5: Report of Copa — Data Link

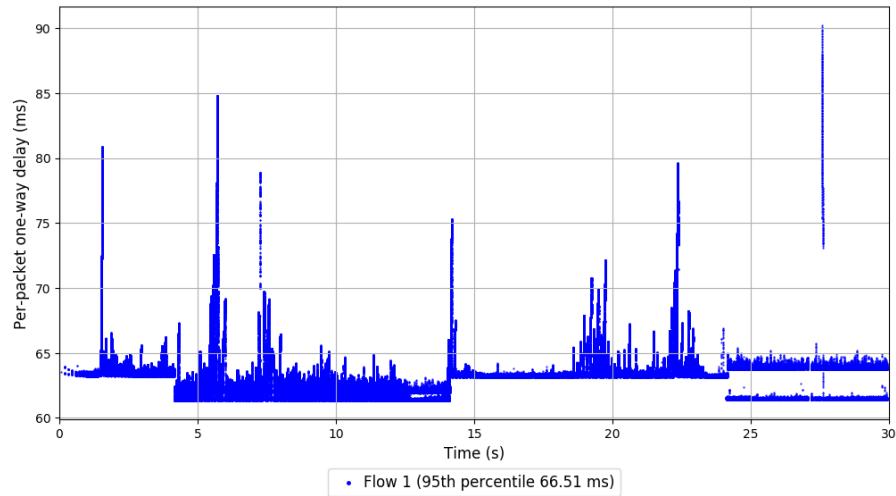
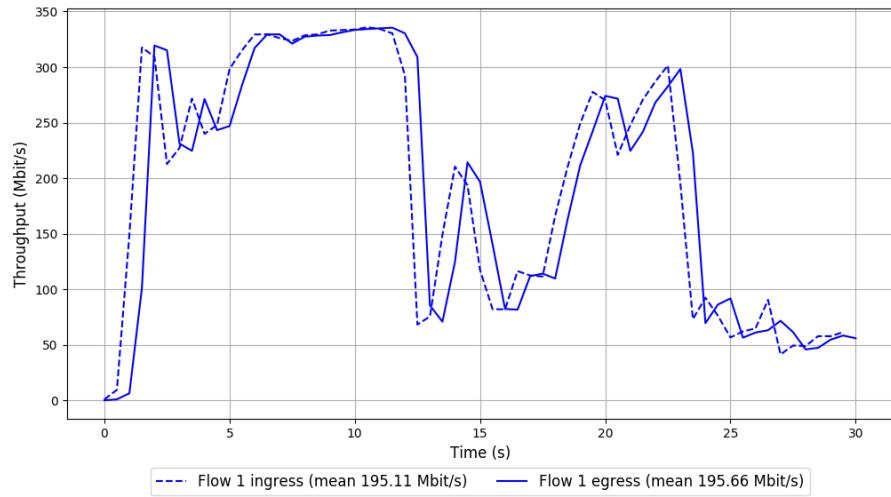


Run 6: Statistics of Copa

```
Start at: 2018-05-31 19:01:23
End at: 2018-05-31 19:01:53
Local clock offset: -0.081 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-31 21:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.66 Mbit/s
95th percentile per-packet one-way delay: 66.511 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 195.66 Mbit/s
95th percentile per-packet one-way delay: 66.511 ms
Loss rate: 0.14%
```

### Run 6: Report of Copa — Data Link

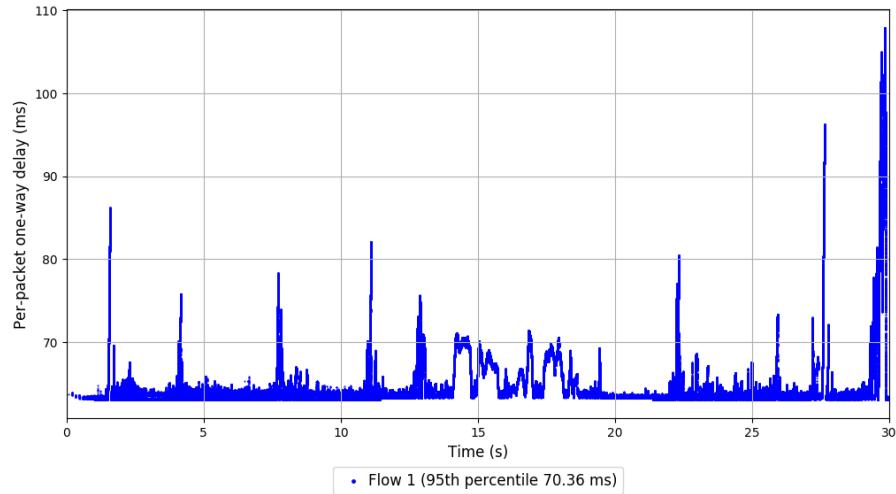
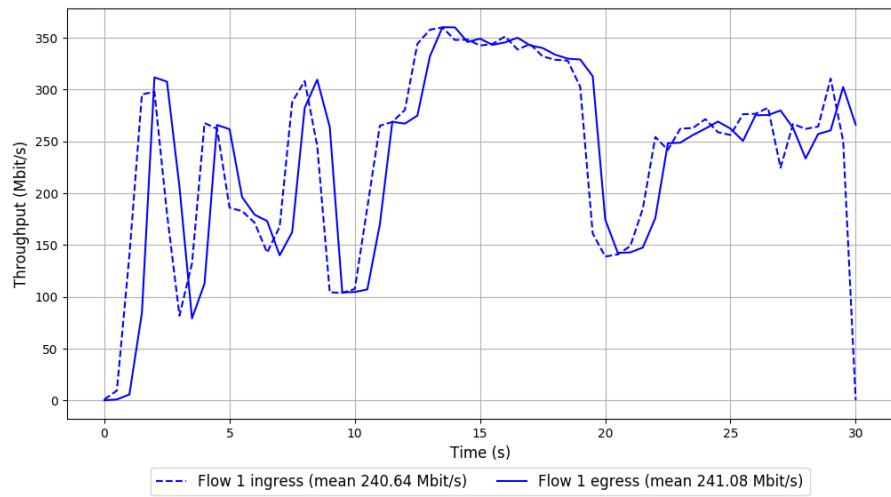


Run 7: Statistics of Copa

```
Start at: 2018-05-31 19:21:56
End at: 2018-05-31 19:22:26
Local clock offset: -0.131 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2018-05-31 21:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.08 Mbit/s
95th percentile per-packet one-way delay: 70.363 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 241.08 Mbit/s
95th percentile per-packet one-way delay: 70.363 ms
Loss rate: 0.24%
```

### Run 7: Report of Copa — Data Link

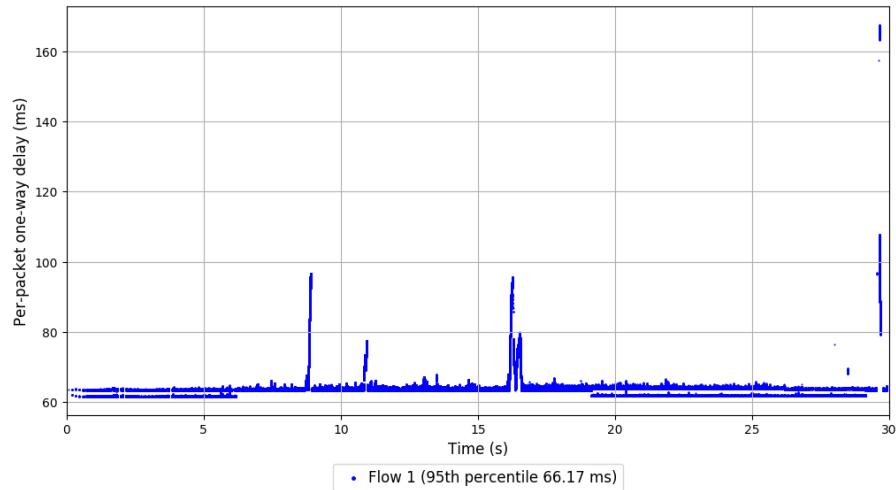
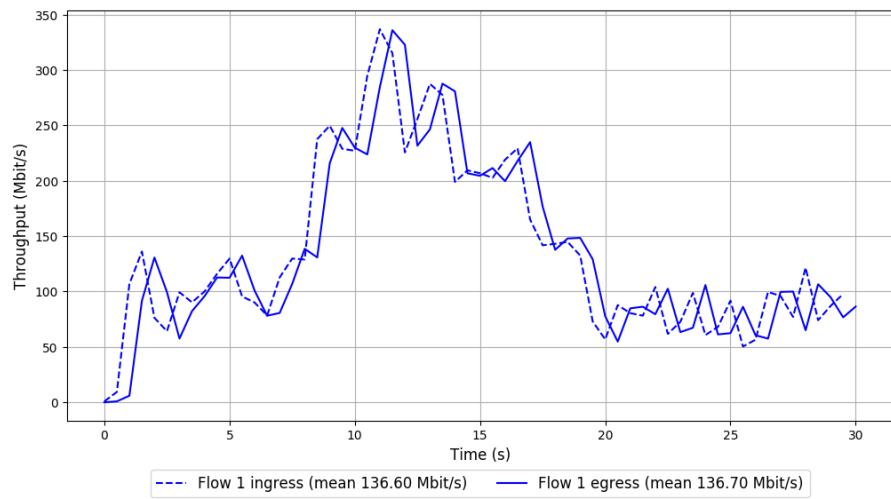


Run 8: Statistics of Copa

```
Start at: 2018-05-31 19:42:31
End at: 2018-05-31 19:43:01
Local clock offset: -0.069 ms
Remote clock offset: -0.256 ms

# Below is generated by plot.py at 2018-05-31 21:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.70 Mbit/s
95th percentile per-packet one-way delay: 66.172 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 136.70 Mbit/s
95th percentile per-packet one-way delay: 66.172 ms
Loss rate: 0.36%
```

## Run 8: Report of Copa — Data Link

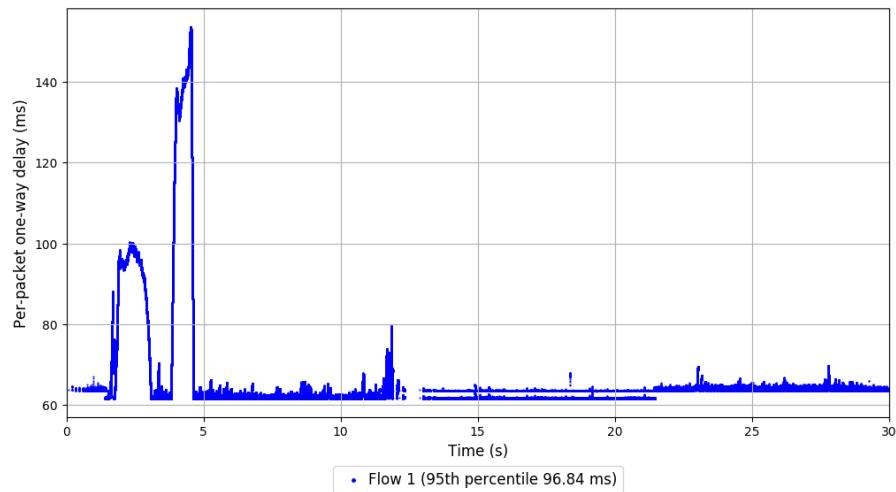
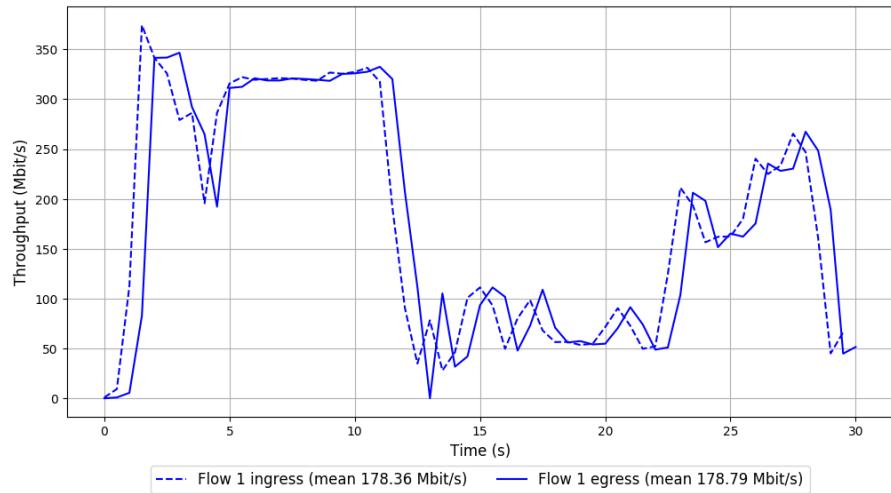


Run 9: Statistics of Copa

```
Start at: 2018-05-31 20:02:46
End at: 2018-05-31 20:03:16
Local clock offset: 0.001 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-05-31 21:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.79 Mbit/s
95th percentile per-packet one-way delay: 96.840 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 178.79 Mbit/s
95th percentile per-packet one-way delay: 96.840 ms
Loss rate: 0.18%
```

## Run 9: Report of Copa — Data Link

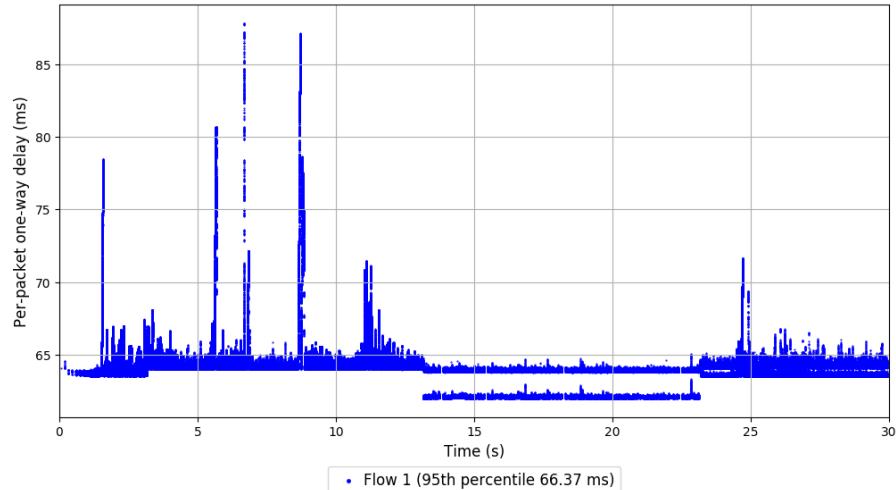
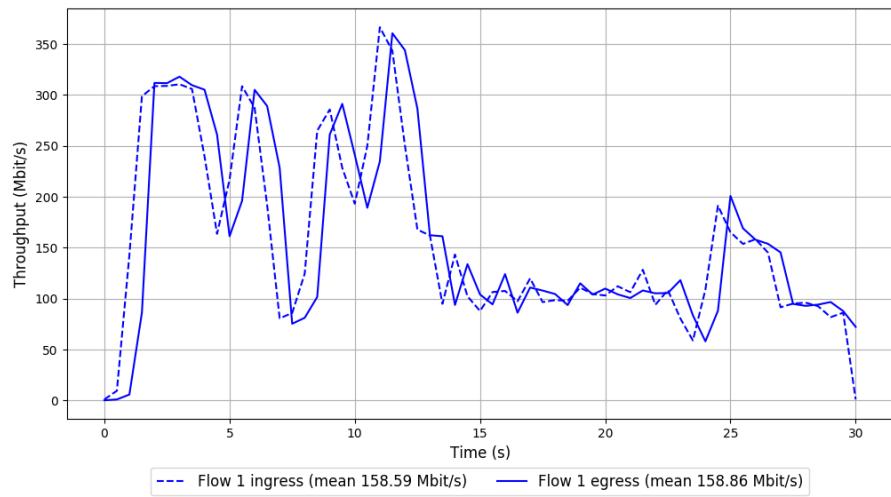


Run 10: Statistics of Copa

```
Start at: 2018-05-31 20:23:44
End at: 2018-05-31 20:24:14
Local clock offset: 0.032 ms
Remote clock offset: -0.302 ms

# Below is generated by plot.py at 2018-05-31 21:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.86 Mbit/s
95th percentile per-packet one-way delay: 66.367 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 158.86 Mbit/s
95th percentile per-packet one-way delay: 66.367 ms
Loss rate: 0.25%
```

## Run 10: Report of Copa — Data Link

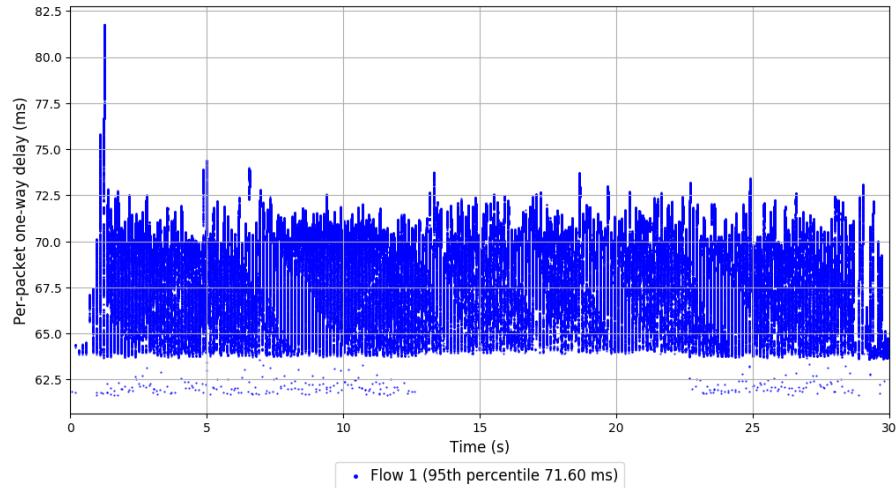
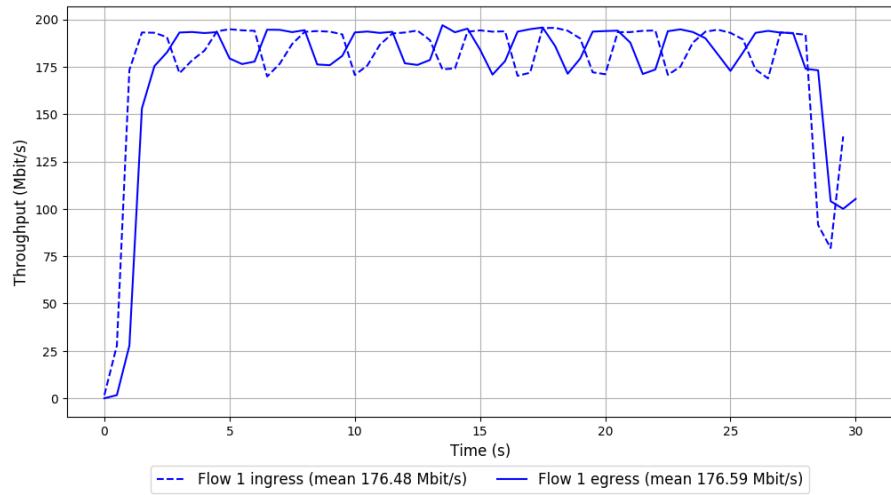


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-31 17:26:55
End at: 2018-05-31 17:27:25
Local clock offset: 0.011 ms
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2018-05-31 21:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.59 Mbit/s
95th percentile per-packet one-way delay: 71.604 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 176.59 Mbit/s
95th percentile per-packet one-way delay: 71.604 ms
Loss rate: 0.35%
```

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

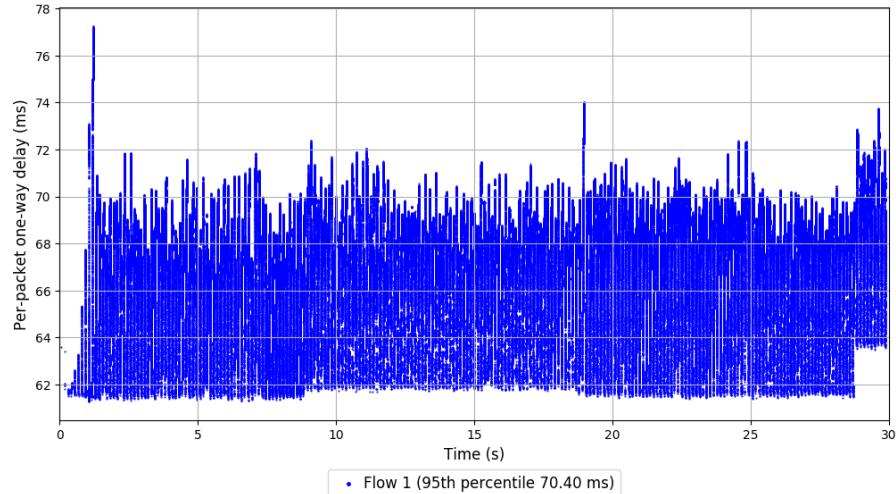
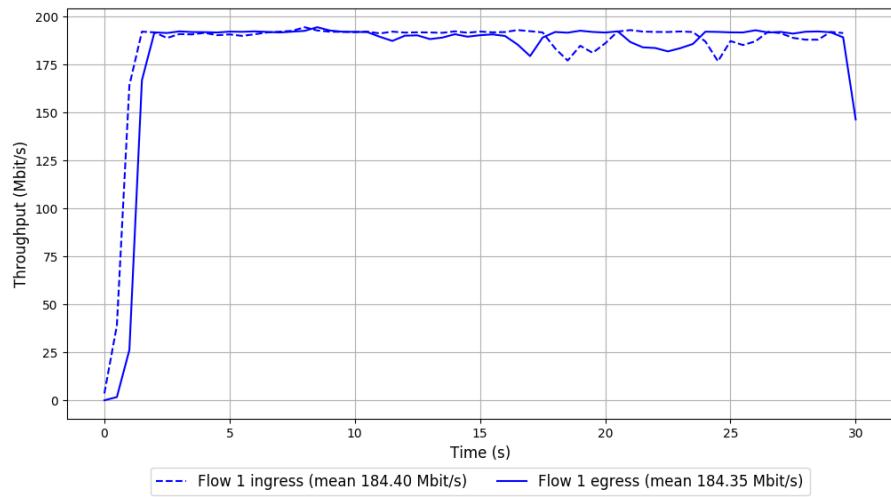


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-31 17:47:39
End at: 2018-05-31 17:48:09
Local clock offset: 0.018 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-05-31 21:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.35 Mbit/s
95th percentile per-packet one-way delay: 70.404 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 184.35 Mbit/s
95th percentile per-packet one-way delay: 70.404 ms
Loss rate: 0.43%
```

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

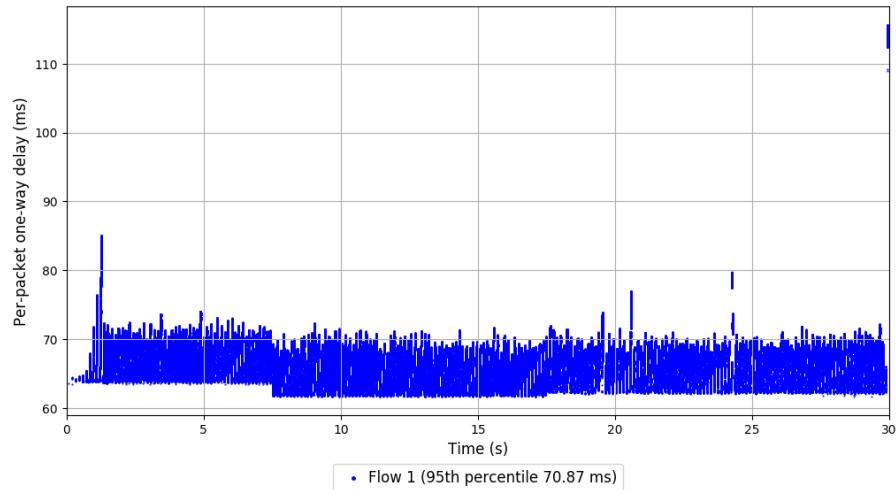
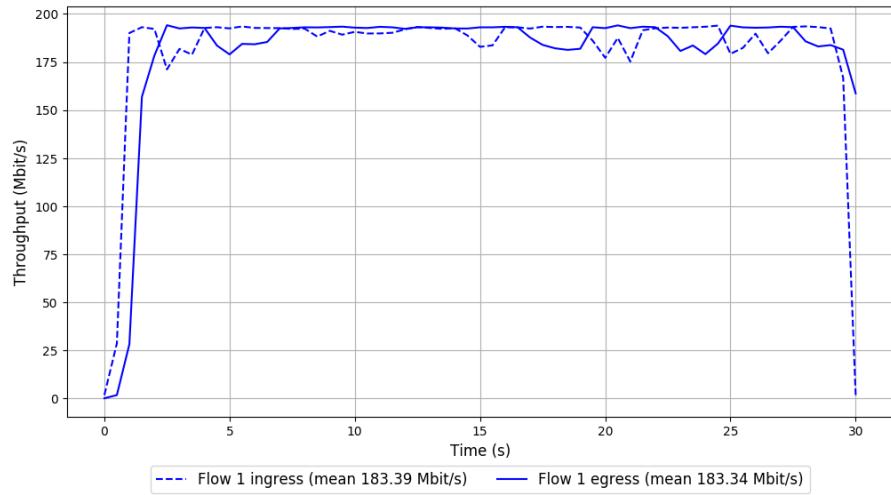


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-31 18:08:20
End at: 2018-05-31 18:08:50
Local clock offset: -0.022 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-05-31 21:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.34 Mbit/s
95th percentile per-packet one-way delay: 70.872 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 183.34 Mbit/s
95th percentile per-packet one-way delay: 70.872 ms
Loss rate: 0.44%
```

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

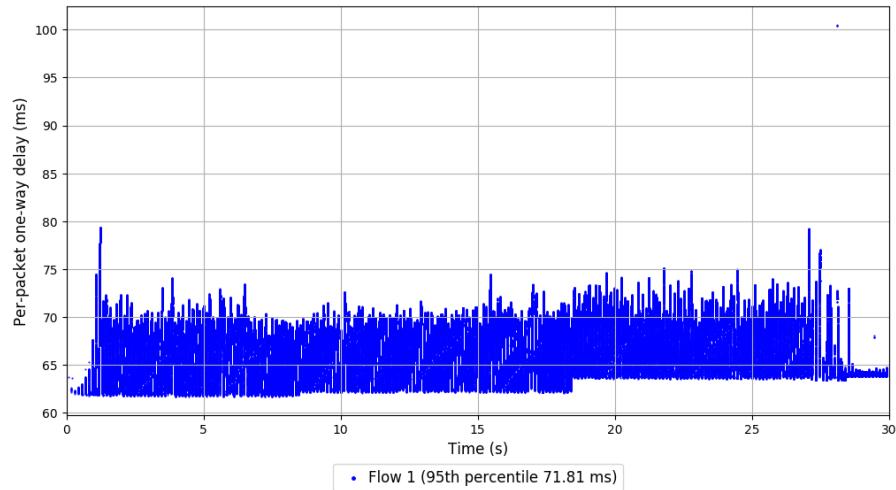
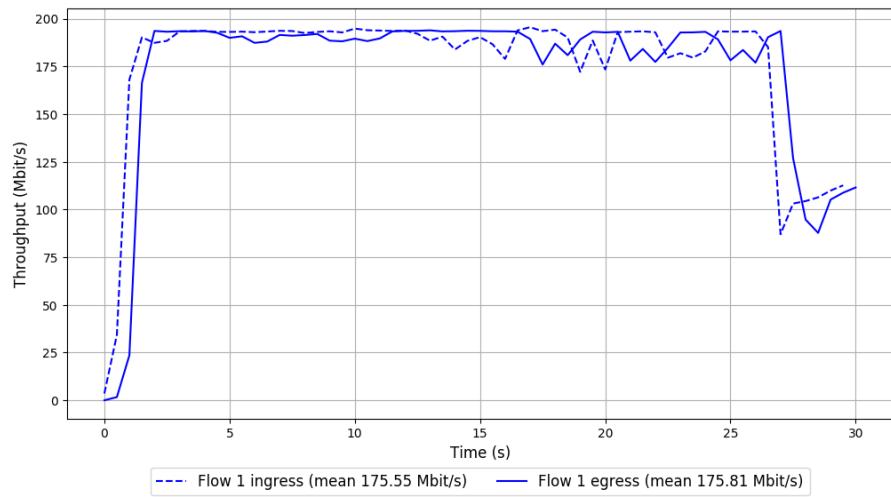


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-31 18:28:49
End at: 2018-05-31 18:29:19
Local clock offset: -0.057 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2018-05-31 21:04:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 71.808 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 71.808 ms
Loss rate: 0.27%
```

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

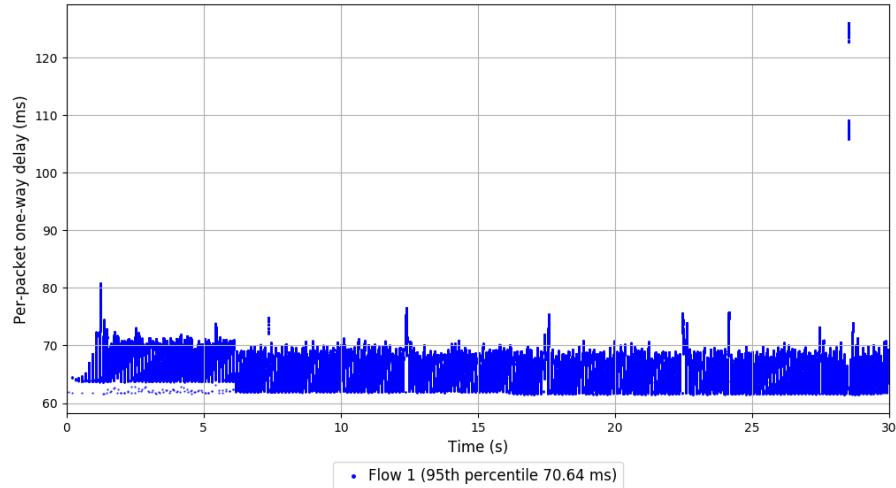
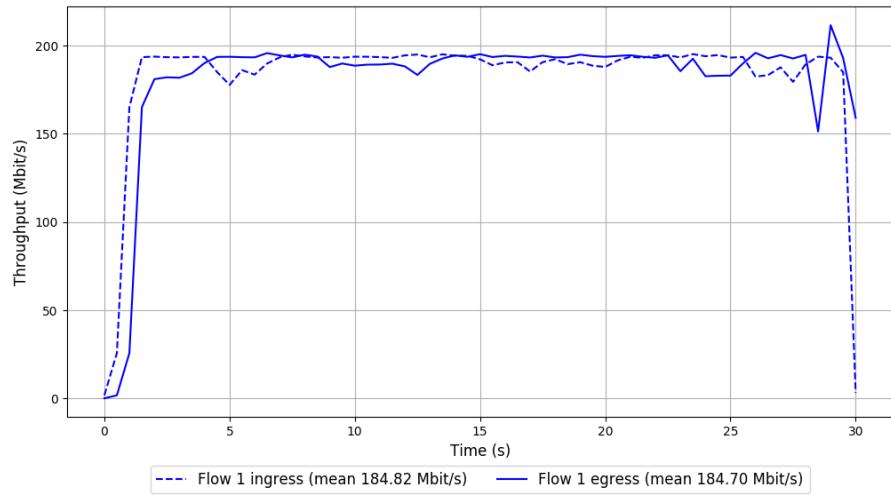


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-31 18:49:31
End at: 2018-05-31 18:50:01
Local clock offset: -0.086 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-05-31 21:04:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.70 Mbit/s
95th percentile per-packet one-way delay: 70.644 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 184.70 Mbit/s
95th percentile per-packet one-way delay: 70.644 ms
Loss rate: 0.48%
```

Run 5: Report of TCP Cubic — Data Link

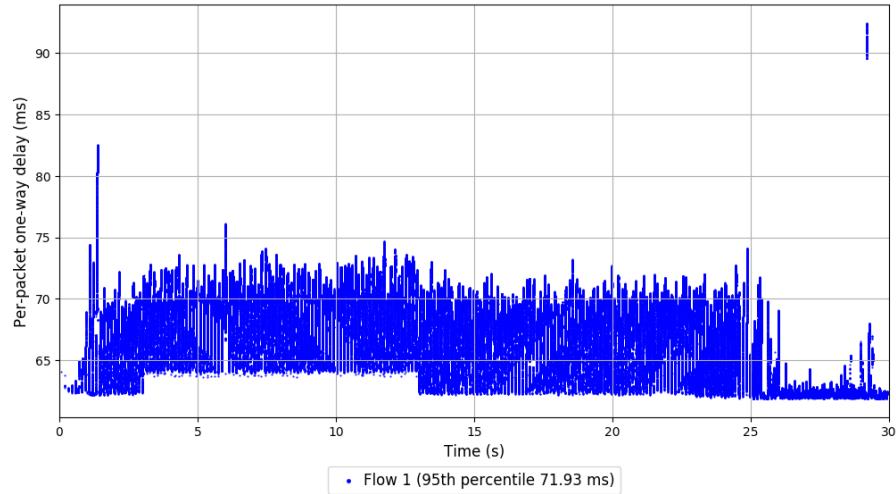
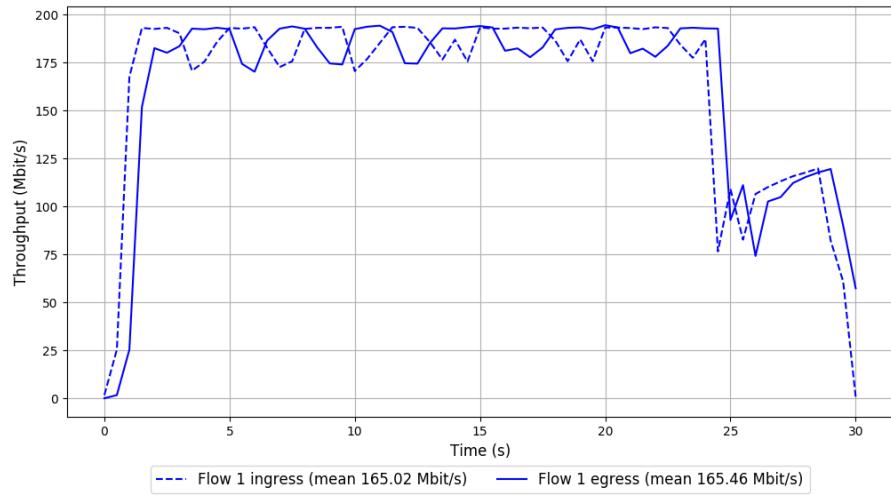


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-31 19:10:24
End at: 2018-05-31 19:10:54
Local clock offset: -0.07 ms
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2018-05-31 21:05:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 165.46 Mbit/s
95th percentile per-packet one-way delay: 71.930 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 165.46 Mbit/s
95th percentile per-packet one-way delay: 71.930 ms
Loss rate: 0.16%
```

Run 6: Report of TCP Cubic — Data Link

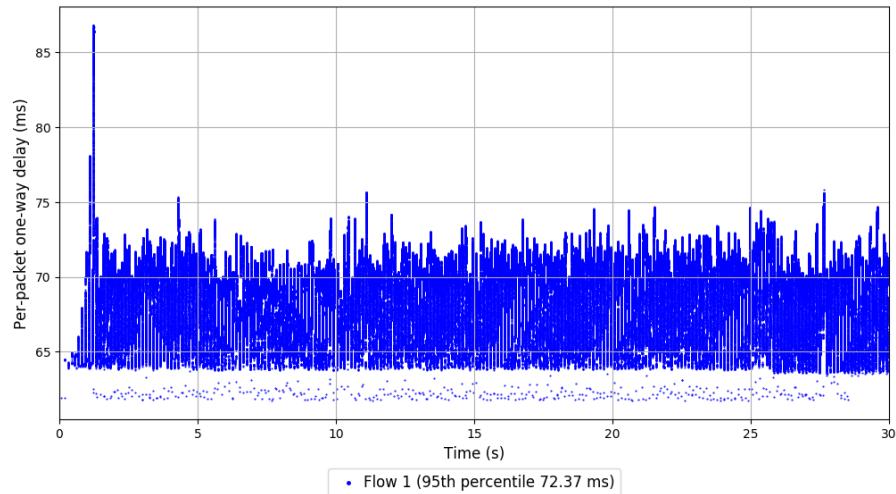
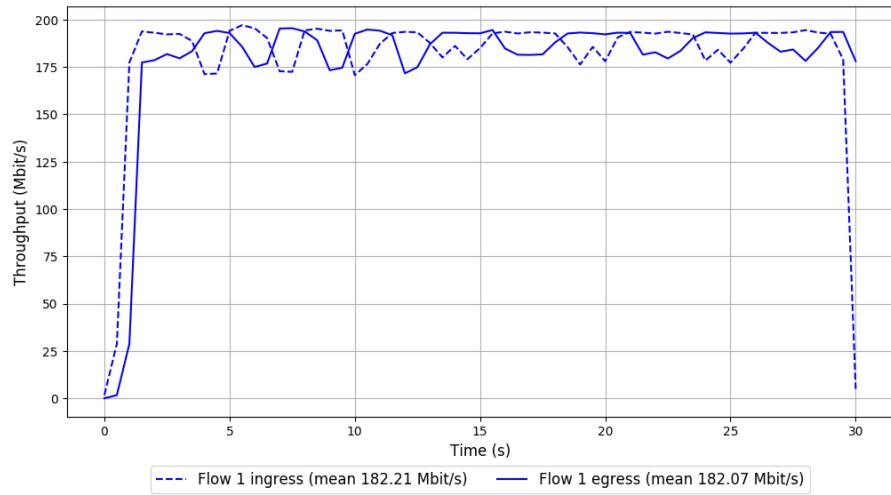


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-31 19:30:42
End at: 2018-05-31 19:31:12
Local clock offset: -0.099 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-05-31 21:06:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.07 Mbit/s
95th percentile per-packet one-way delay: 72.373 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 182.07 Mbit/s
95th percentile per-packet one-way delay: 72.373 ms
Loss rate: 0.49%
```

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

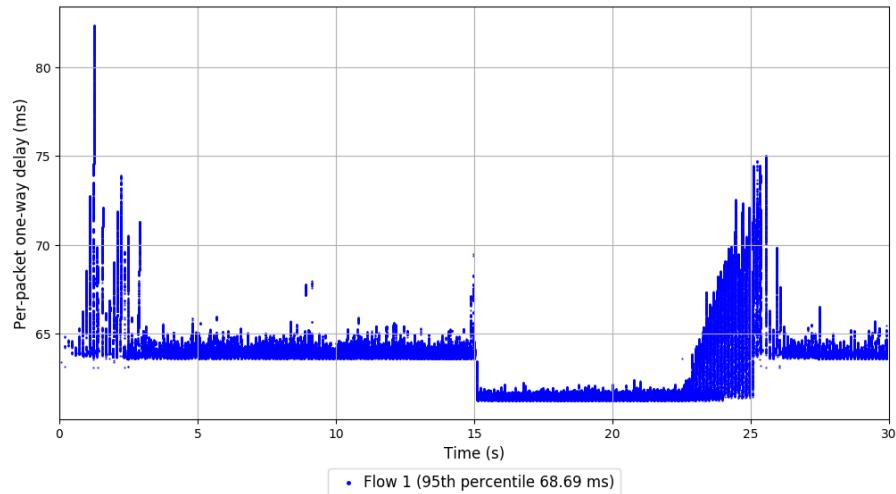
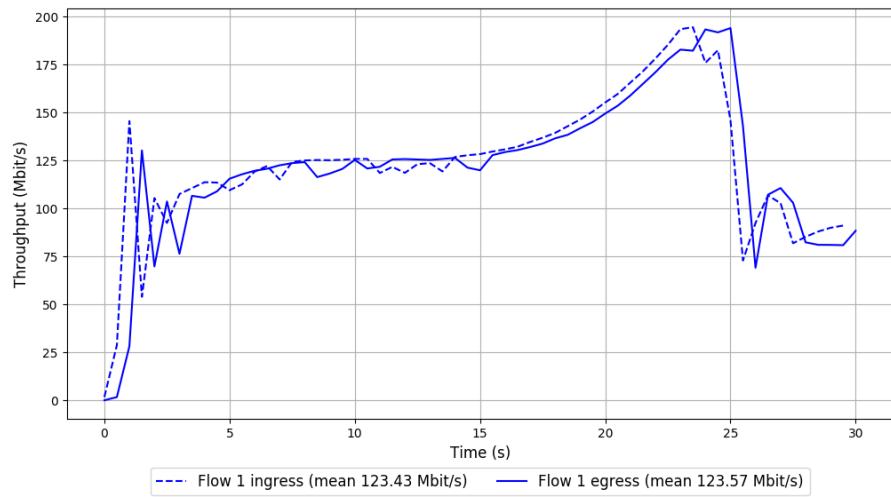


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-31 19:51:12
End at: 2018-05-31 19:51:42
Local clock offset: -0.074 ms
Remote clock offset: 0.074 ms

# Below is generated by plot.py at 2018-05-31 21:06:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.57 Mbit/s
95th percentile per-packet one-way delay: 68.686 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 123.57 Mbit/s
95th percentile per-packet one-way delay: 68.686 ms
Loss rate: 0.31%
```

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

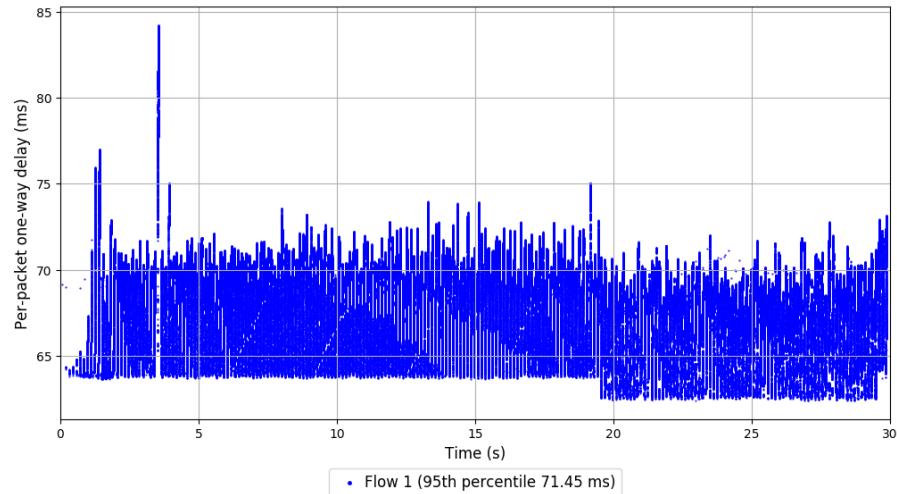
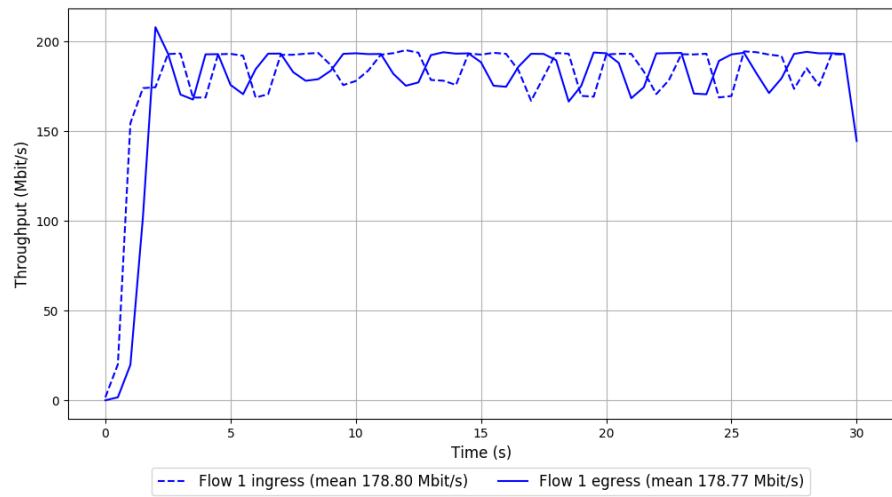


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-31 20:11:48
End at: 2018-05-31 20:12:18
Local clock offset: -0.014 ms
Remote clock offset: -0.421 ms

# Below is generated by plot.py at 2018-05-31 21:06:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.77 Mbit/s
95th percentile per-packet one-way delay: 71.448 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 178.77 Mbit/s
95th percentile per-packet one-way delay: 71.448 ms
Loss rate: 0.45%
```

Run 9: Report of TCP Cubic — Data Link

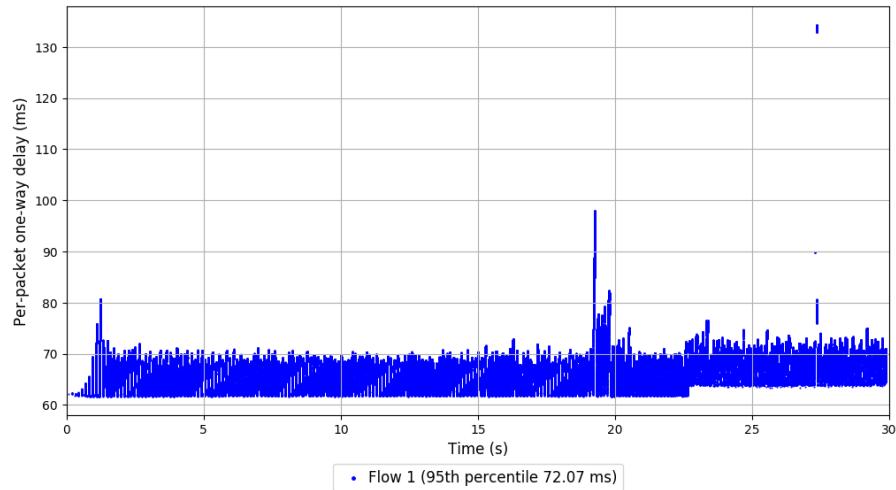
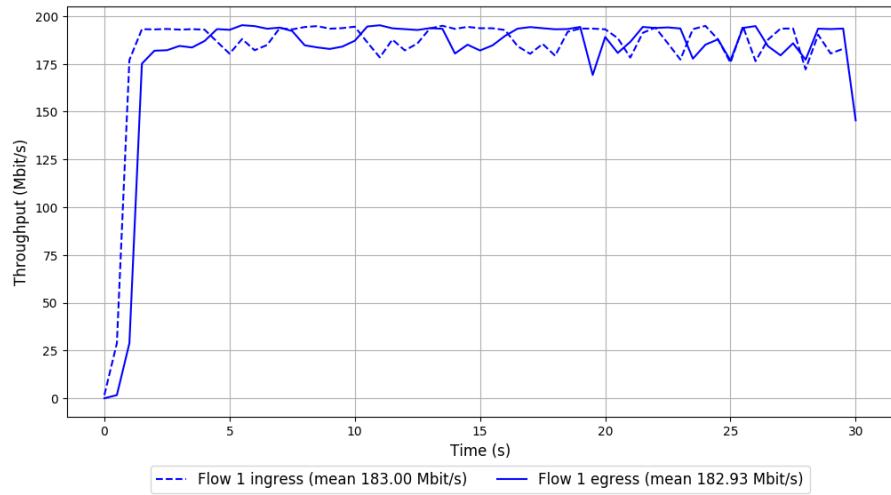


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-31 20:32:35
End at: 2018-05-31 20:33:05
Local clock offset: 0.028 ms
Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2018-05-31 21:06:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.93 Mbit/s
95th percentile per-packet one-way delay: 72.073 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 182.93 Mbit/s
95th percentile per-packet one-way delay: 72.073 ms
Loss rate: 0.44%
```

Run 10: Report of TCP Cubic — Data Link

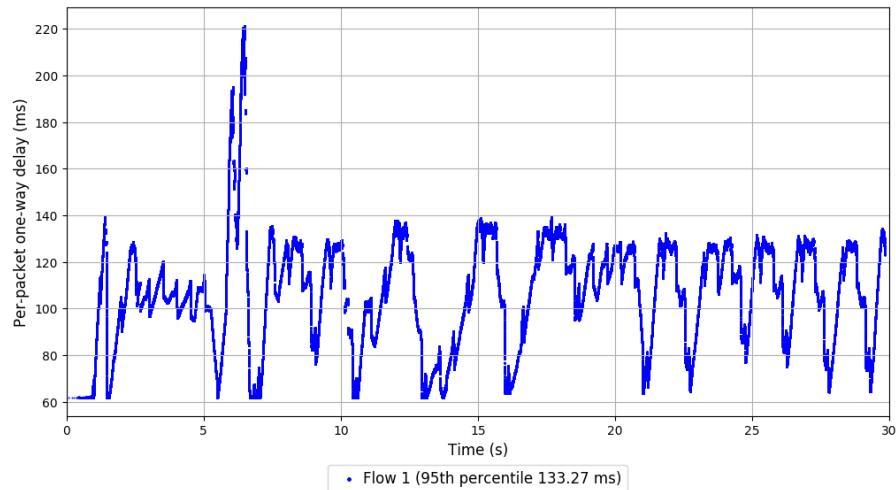
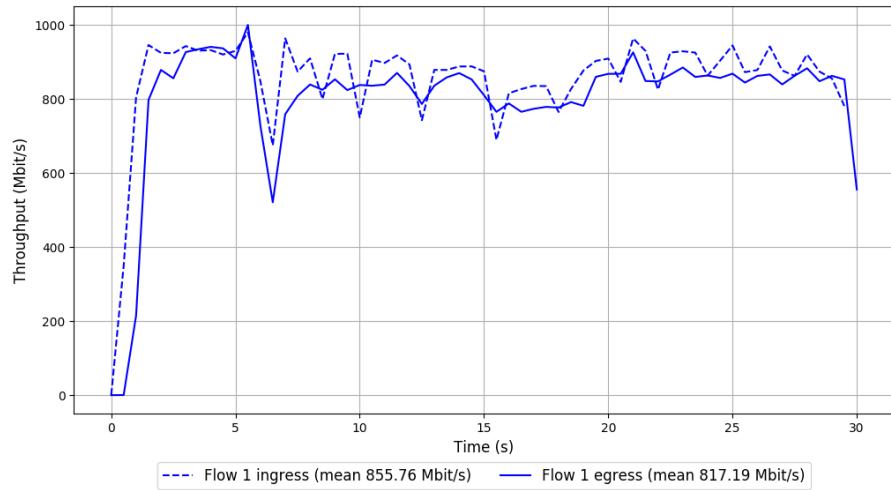


```
Run 1: Statistics of FillP

Start at: 2018-05-31 17:33:03
End at: 2018-05-31 17:33:33
Local clock offset: -0.001 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-05-31 21:21:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 817.19 Mbit/s
95th percentile per-packet one-way delay: 133.268 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 817.19 Mbit/s
95th percentile per-packet one-way delay: 133.268 ms
Loss rate: 4.91%
```

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

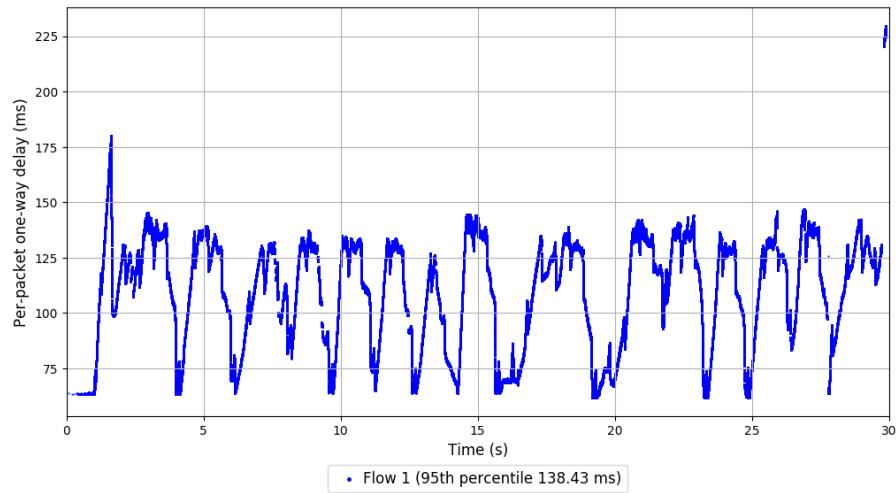
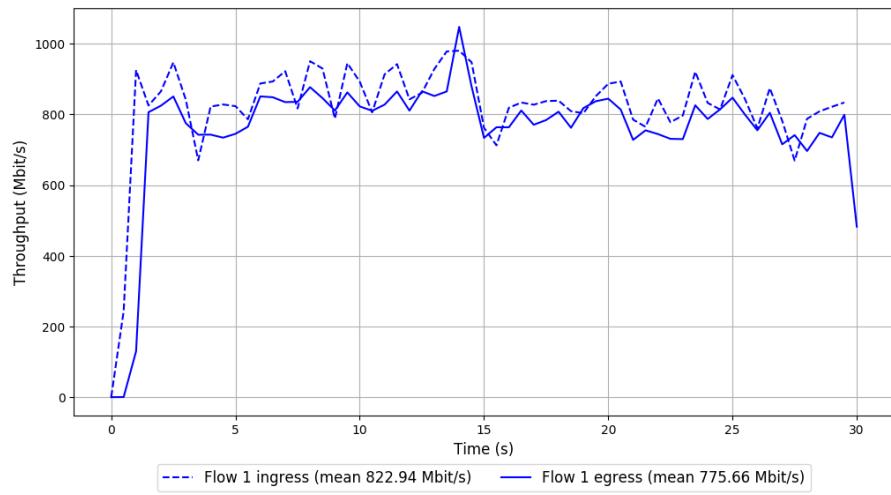


Run 2: Statistics of FillP

```
Start at: 2018-05-31 17:53:51
End at: 2018-05-31 17:54:21
Local clock offset: 0.017 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-05-31 21:21:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 775.66 Mbit/s
95th percentile per-packet one-way delay: 138.426 ms
Loss rate: 6.15%
-- Flow 1:
Average throughput: 775.66 Mbit/s
95th percentile per-packet one-way delay: 138.426 ms
Loss rate: 6.15%
```

## Run 2: Report of FillP — Data Link

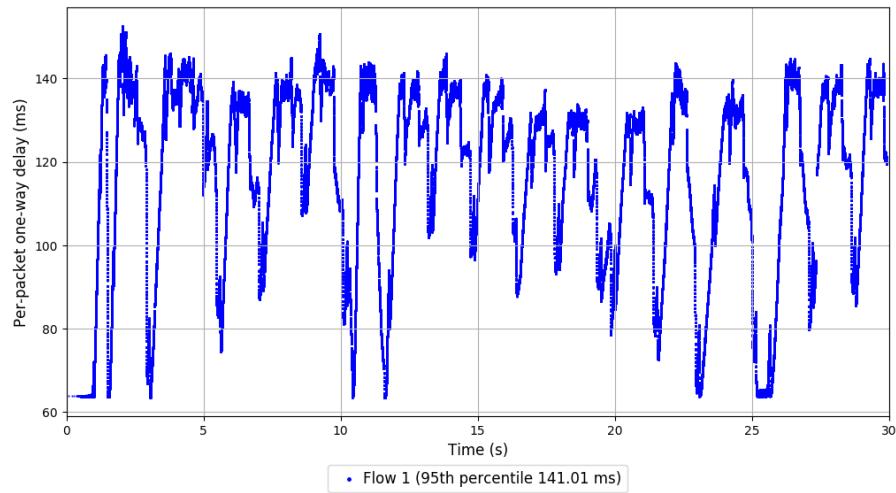
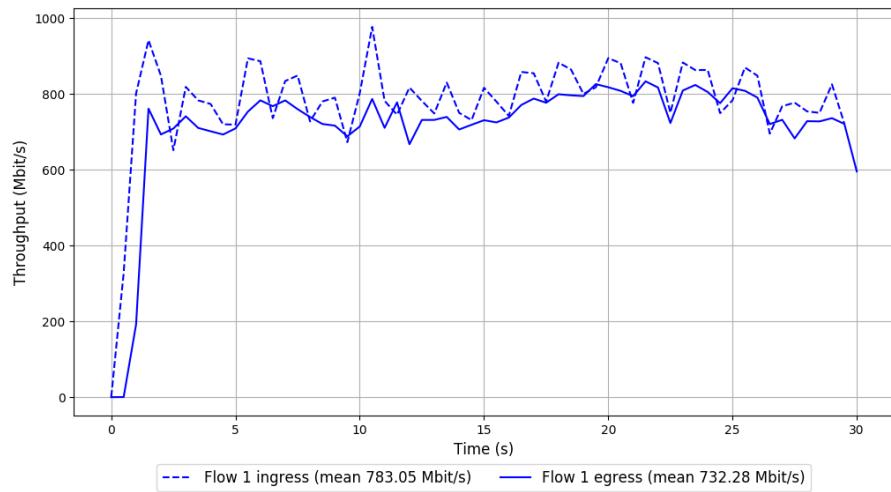


Run 3: Statistics of FillP

```
Start at: 2018-05-31 18:14:35
End at: 2018-05-31 18:15:05
Local clock offset: -0.048 ms
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2018-05-31 21:21:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 732.28 Mbit/s
95th percentile per-packet one-way delay: 141.013 ms
Loss rate: 6.88%
-- Flow 1:
Average throughput: 732.28 Mbit/s
95th percentile per-packet one-way delay: 141.013 ms
Loss rate: 6.88%
```

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

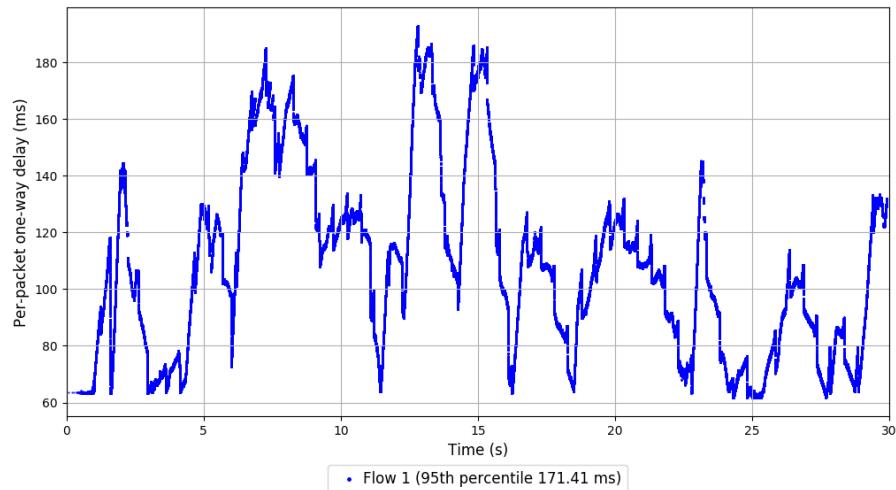
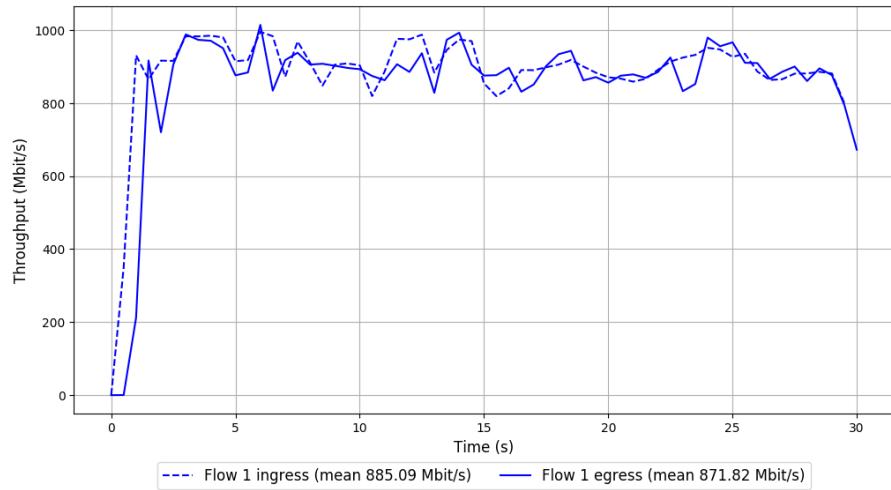


Run 4: Statistics of FillP

```
Start at: 2018-05-31 18:35:04
End at: 2018-05-31 18:35:34
Local clock offset: -0.065 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-05-31 21:23:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 871.82 Mbit/s
95th percentile per-packet one-way delay: 171.413 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 871.82 Mbit/s
95th percentile per-packet one-way delay: 171.413 ms
Loss rate: 1.92%
```

## Run 4: Report of FillP — Data Link

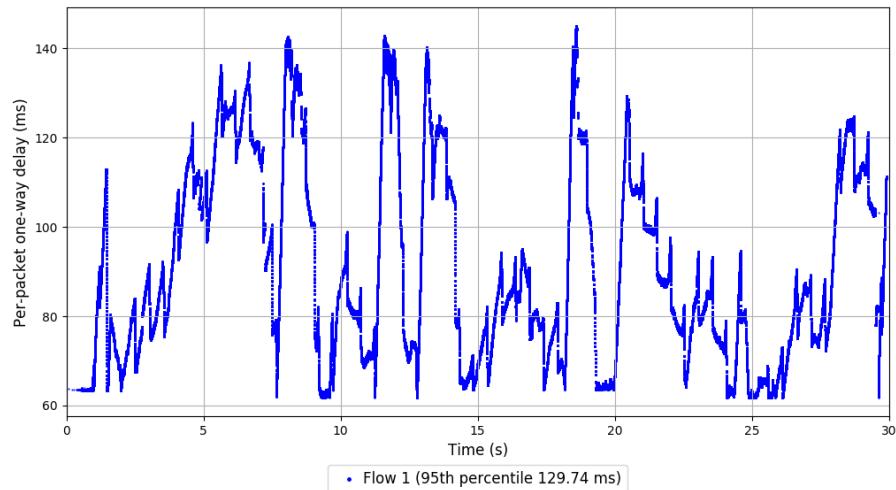
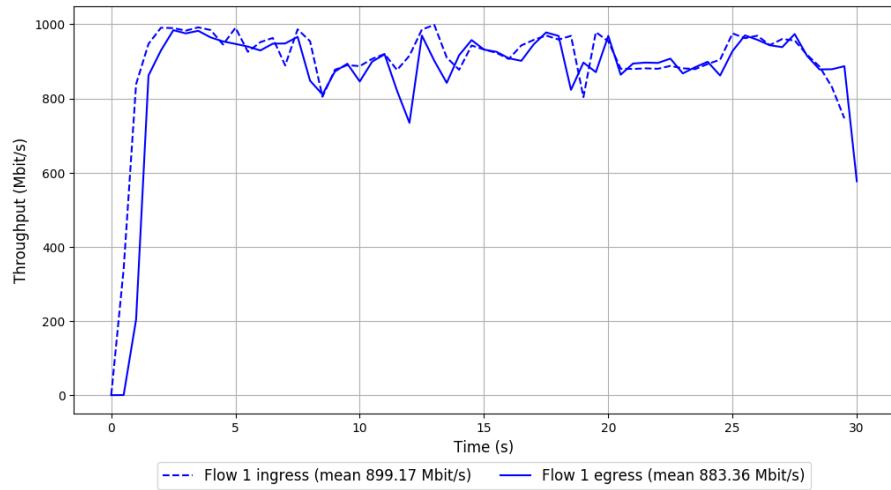


Run 5: Statistics of FillP

```
Start at: 2018-05-31 18:55:44
End at: 2018-05-31 18:56:14
Local clock offset: -0.093 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-05-31 21:24:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 883.36 Mbit/s
95th percentile per-packet one-way delay: 129.740 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 883.36 Mbit/s
95th percentile per-packet one-way delay: 129.740 ms
Loss rate: 2.18%
```

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

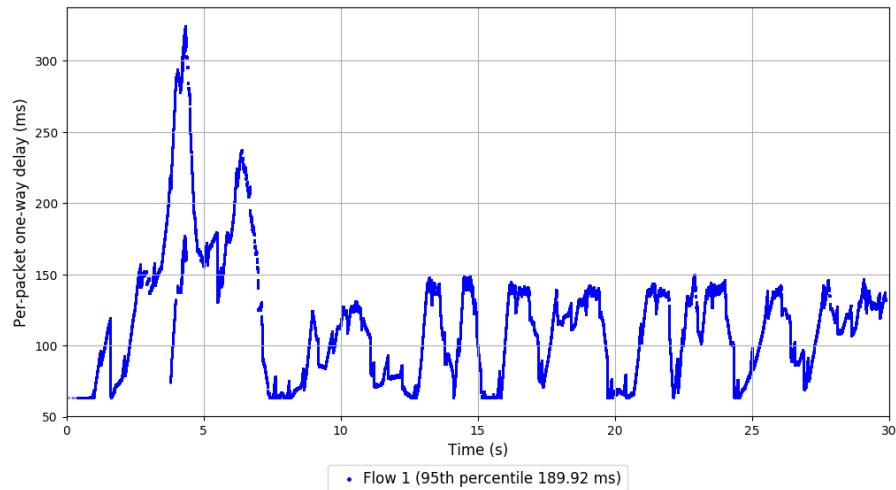
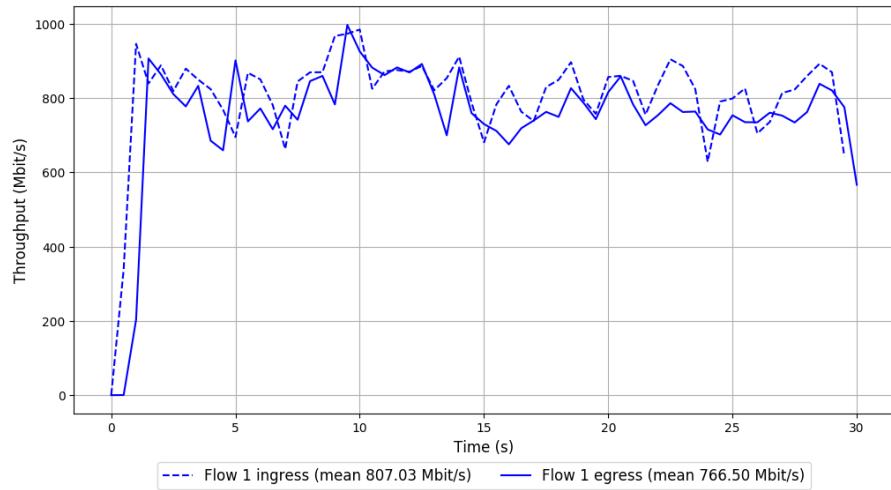


```
Run 6: Statistics of FillP
```

```
Start at: 2018-05-31 19:16:34
End at: 2018-05-31 19:17:04
Local clock offset: -0.086 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2018-05-31 21:24:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 766.50 Mbit/s
95th percentile per-packet one-way delay: 189.918 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 766.50 Mbit/s
95th percentile per-packet one-way delay: 189.918 ms
Loss rate: 5.42%
```

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

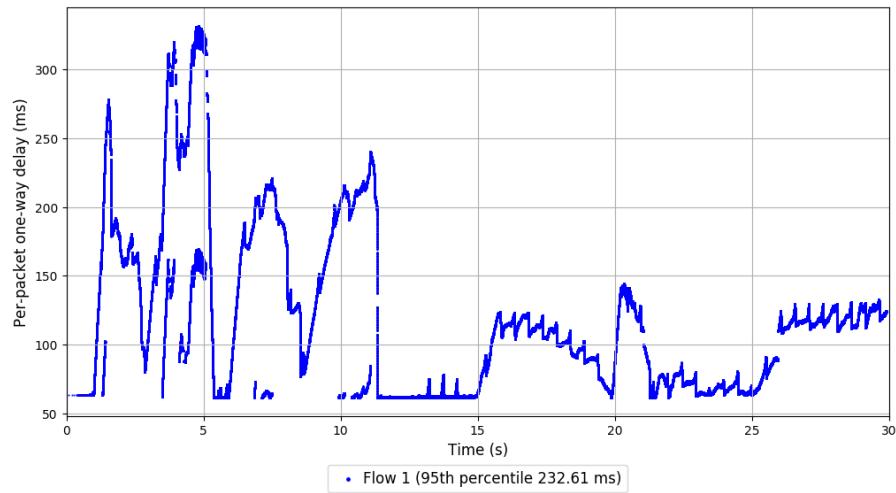
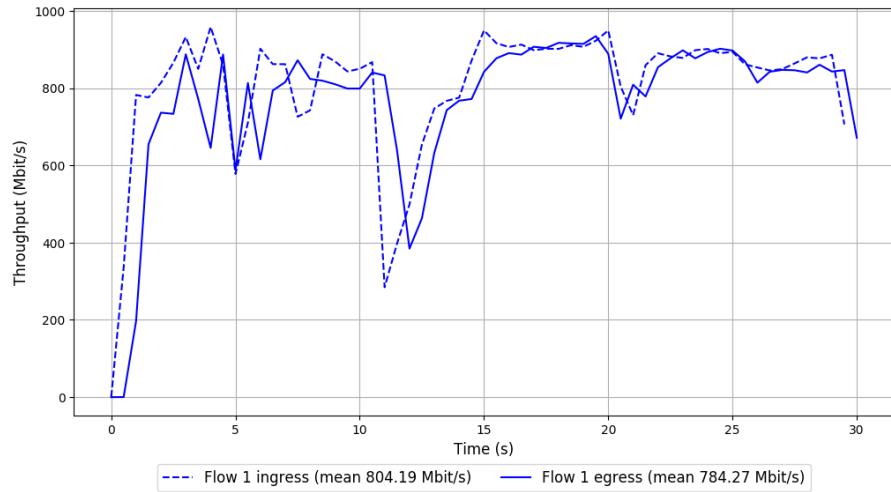


Run 7: Statistics of FillP

```
Start at: 2018-05-31 19:36:57
End at: 2018-05-31 19:37:27
Local clock offset: -0.072 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-05-31 21:24:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 784.27 Mbit/s
95th percentile per-packet one-way delay: 232.611 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 784.27 Mbit/s
95th percentile per-packet one-way delay: 232.611 ms
Loss rate: 2.89%
```

## Run 7: Report of FillP — Data Link

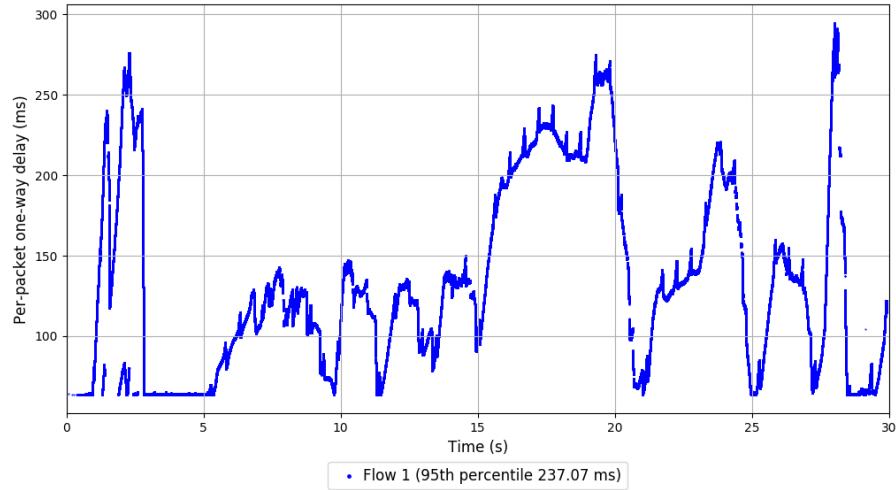
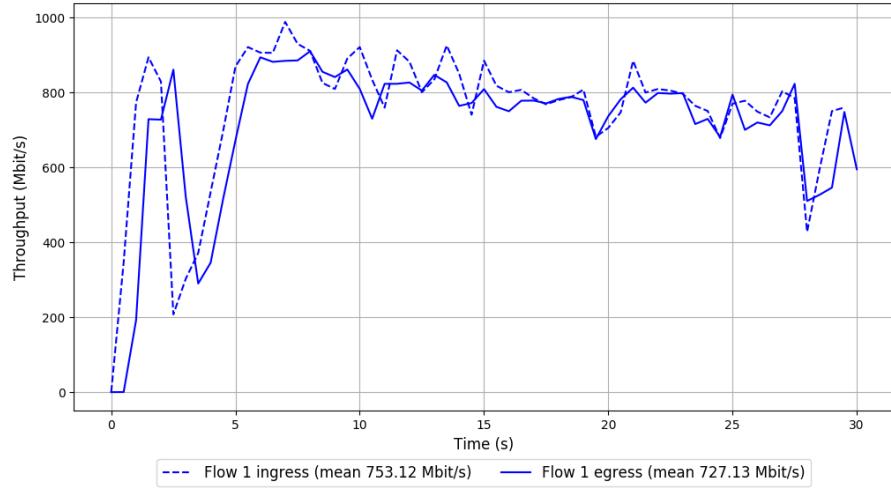


Run 8: Statistics of FillP

```
Start at: 2018-05-31 19:57:21
End at: 2018-05-31 19:57:51
Local clock offset: -0.031 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2018-05-31 21:24:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 727.13 Mbit/s
95th percentile per-packet one-way delay: 237.073 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 727.13 Mbit/s
95th percentile per-packet one-way delay: 237.073 ms
Loss rate: 3.86%
```

## Run 8: Report of FillP — Data Link

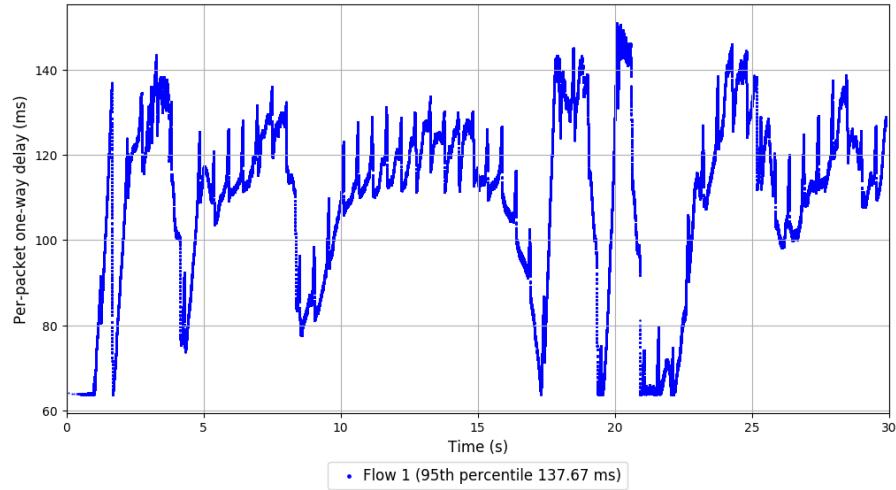
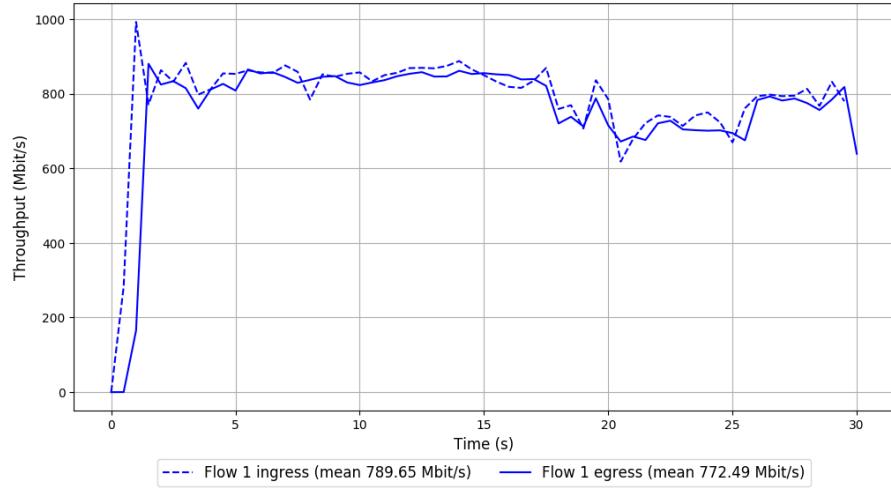


Run 9: Statistics of FillP

```
Start at: 2018-05-31 20:18:10
End at: 2018-05-31 20:18:40
Local clock offset: 0.034 ms
Remote clock offset: -0.237 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 772.49 Mbit/s
95th percentile per-packet one-way delay: 137.668 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 772.49 Mbit/s
95th percentile per-packet one-way delay: 137.668 ms
Loss rate: 2.59%
```

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

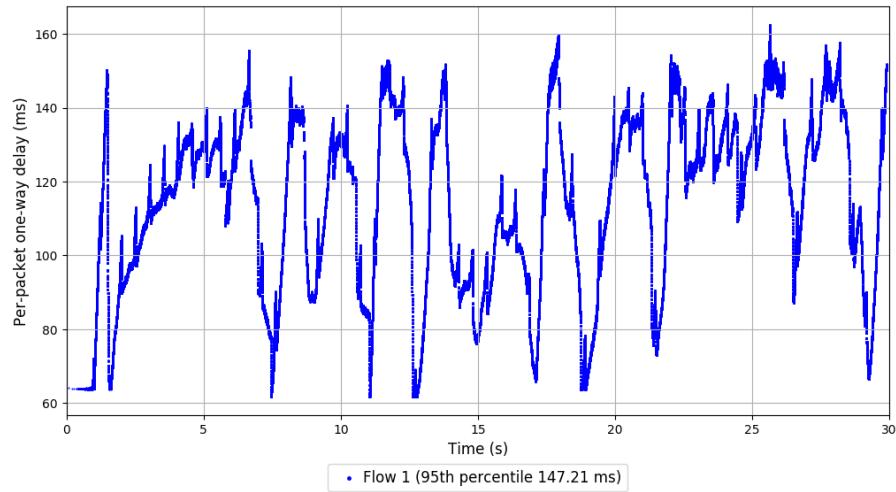
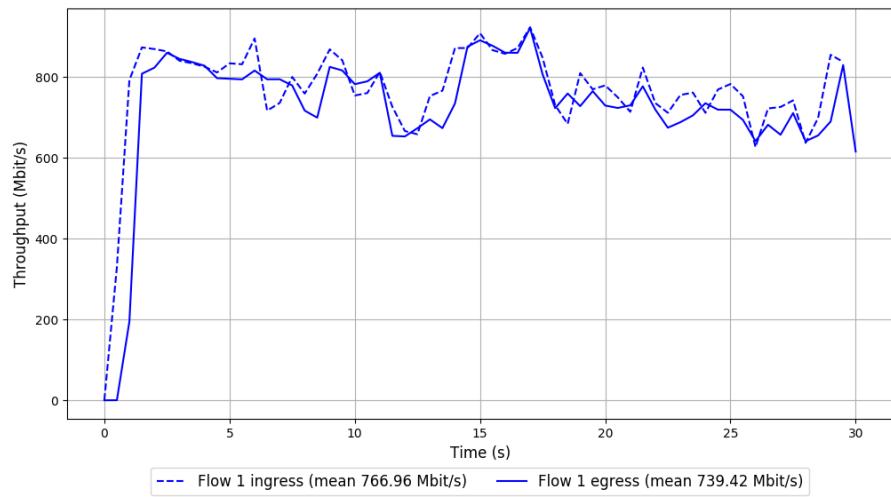


```
Run 10: Statistics of FillP
```

```
Start at: 2018-05-31 20:38:42
End at: 2018-05-31 20:39:12
Local clock offset: -0.005 ms
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 739.42 Mbit/s
95th percentile per-packet one-way delay: 147.212 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 739.42 Mbit/s
95th percentile per-packet one-way delay: 147.212 ms
Loss rate: 4.00%
```

Run 10: Report of FillP — Data Link

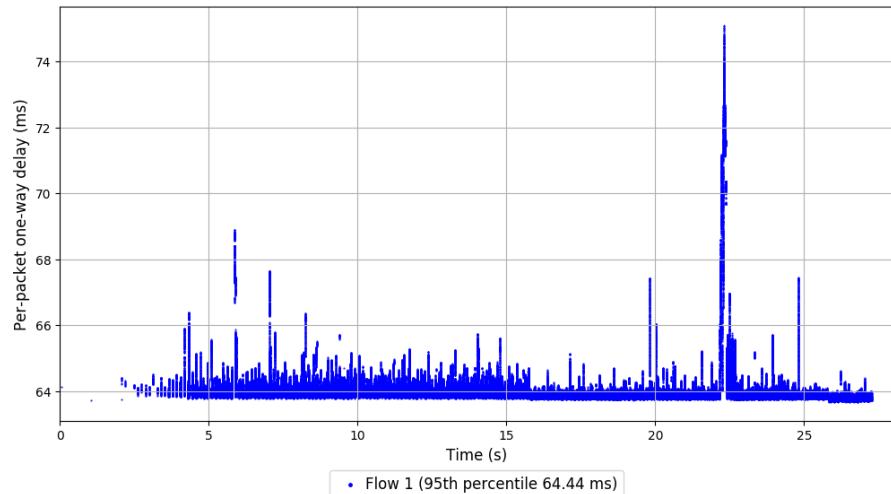
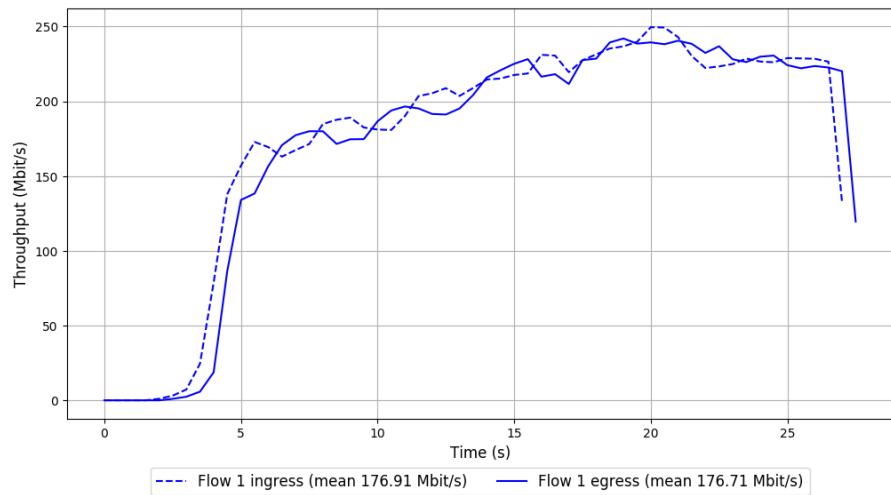


Run 1: Statistics of Indigo

```
Start at: 2018-05-31 17:16:59
End at: 2018-05-31 17:17:29
Local clock offset: 0.032 ms
Remote clock offset: -0.268 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.71 Mbit/s
95th percentile per-packet one-way delay: 64.444 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 176.71 Mbit/s
95th percentile per-packet one-way delay: 64.444 ms
Loss rate: 0.57%
```

## Run 1: Report of Indigo — Data Link

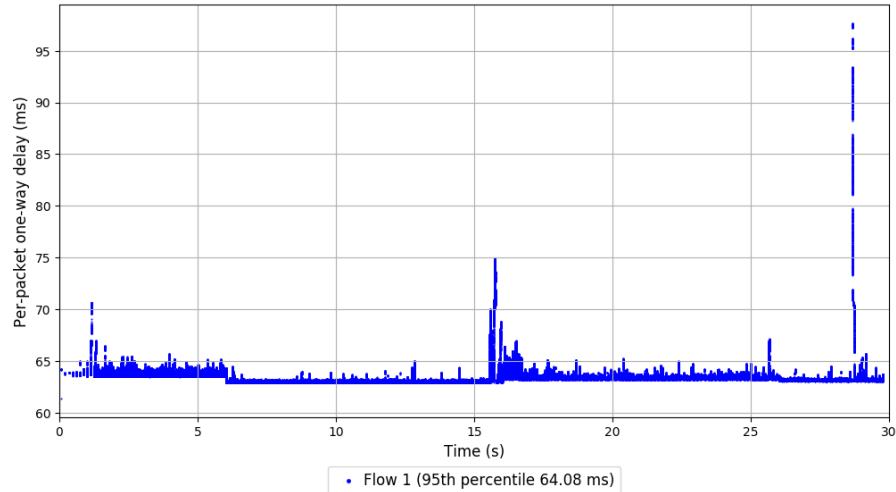
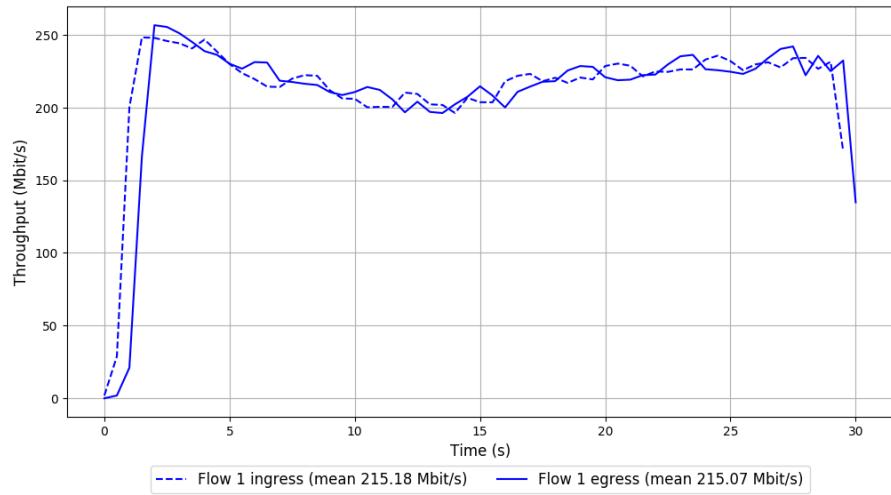


Run 2: Statistics of Indigo

```
Start at: 2018-05-31 17:37:11
End at: 2018-05-31 17:37:41
Local clock offset: 0.017 ms
Remote clock offset: 0.225 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.07 Mbit/s
95th percentile per-packet one-way delay: 64.076 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 215.07 Mbit/s
95th percentile per-packet one-way delay: 64.076 ms
Loss rate: 0.46%
```

## Run 2: Report of Indigo — Data Link

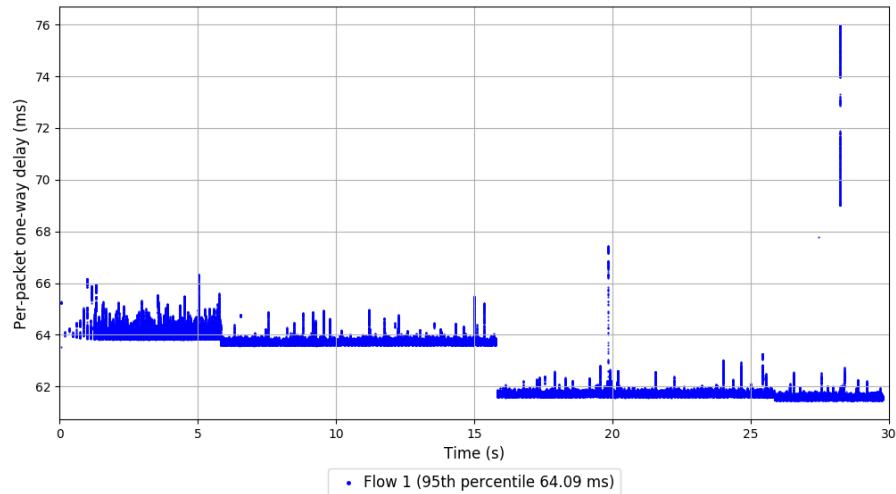
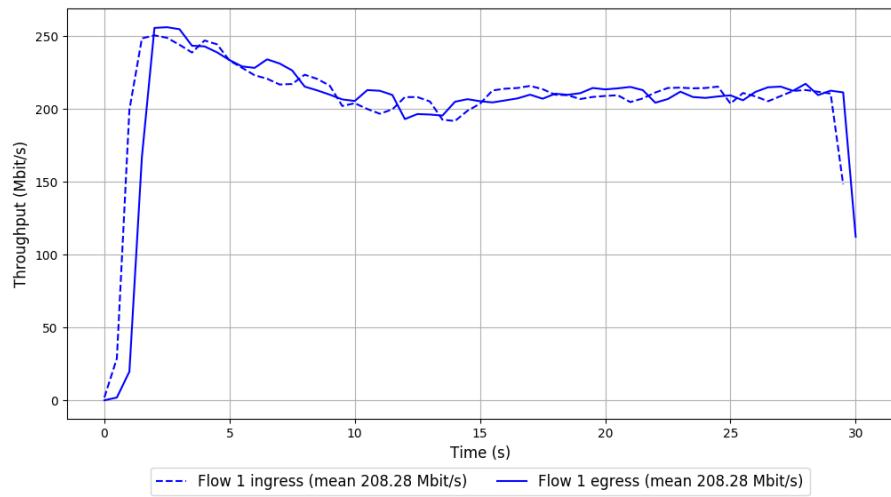


Run 3: Statistics of Indigo

```
Start at: 2018-05-31 17:58:01
End at: 2018-05-31 17:58:31
Local clock offset: -0.051 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.28 Mbit/s
95th percentile per-packet one-way delay: 64.088 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 208.28 Mbit/s
95th percentile per-packet one-way delay: 64.088 ms
Loss rate: 0.43%
```

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

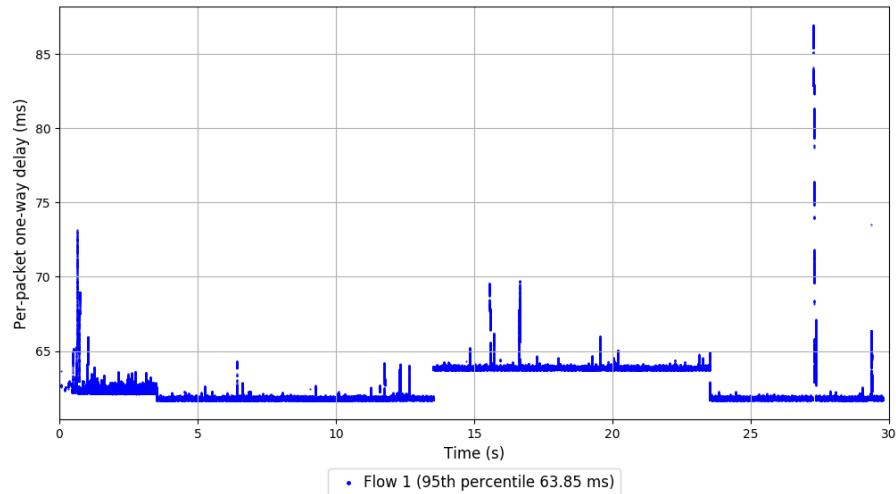
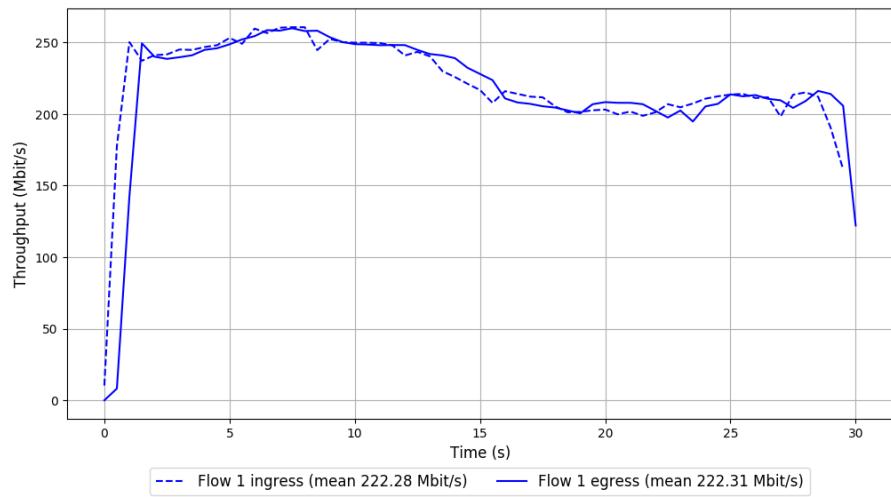


Run 4: Statistics of Indigo

```
Start at: 2018-05-31 18:18:44
End at: 2018-05-31 18:19:14
Local clock offset: -0.052 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.31 Mbit/s
95th percentile per-packet one-way delay: 63.852 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 222.31 Mbit/s
95th percentile per-packet one-way delay: 63.852 ms
Loss rate: 0.41%
```

## Run 4: Report of Indigo — Data Link

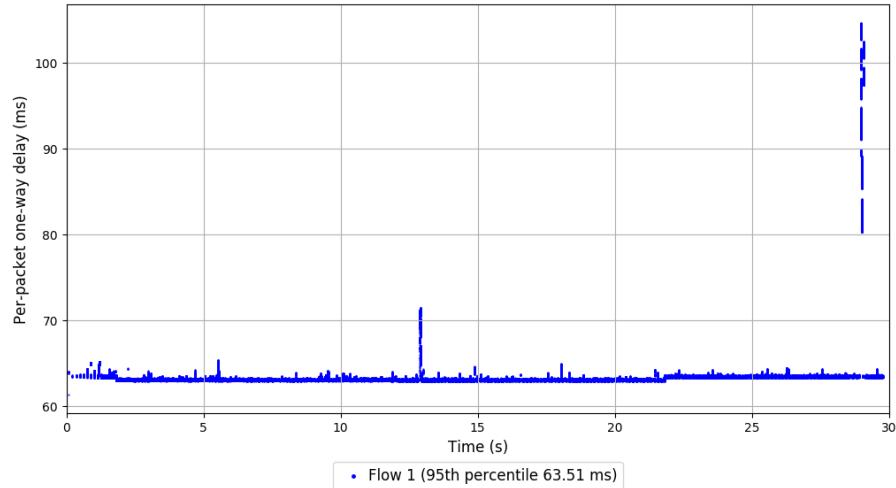
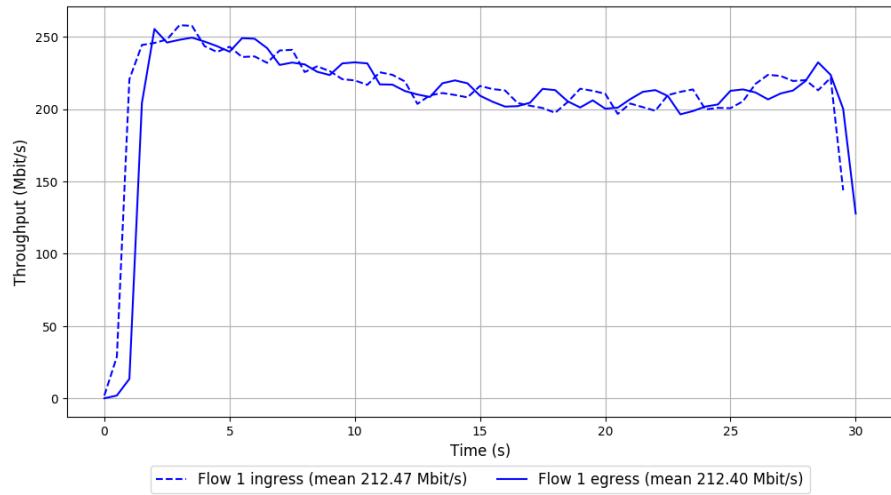


Run 5: Statistics of Indigo

```
Start at: 2018-05-31 18:39:25
End at: 2018-05-31 18:39:55
Local clock offset: -0.053 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.40 Mbit/s
95th percentile per-packet one-way delay: 63.509 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 212.40 Mbit/s
95th percentile per-packet one-way delay: 63.509 ms
Loss rate: 0.45%
```

## Run 5: Report of Indigo — Data Link

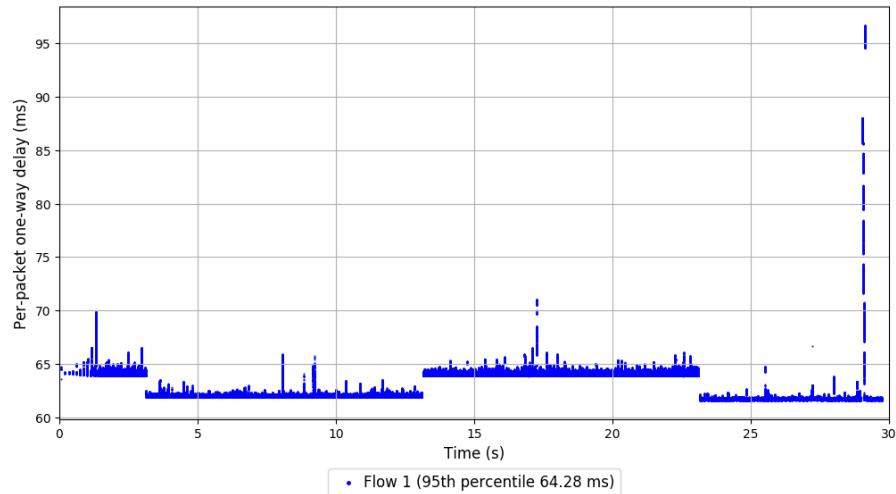
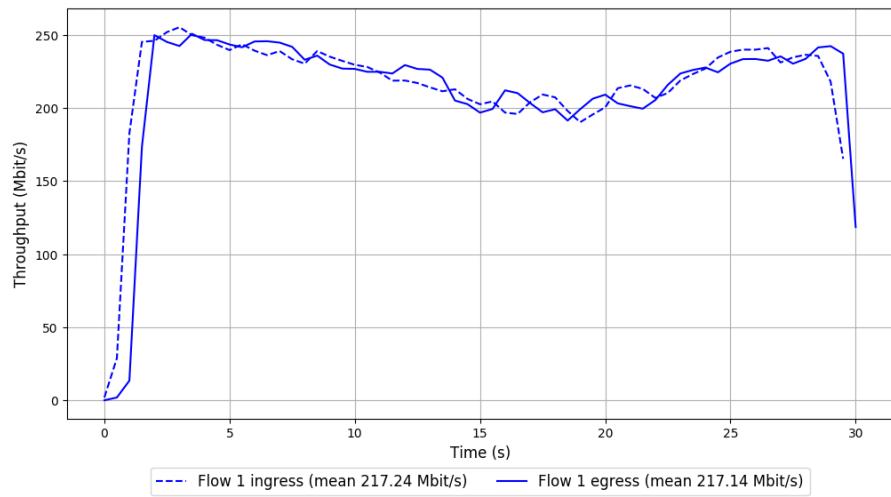


Run 6: Statistics of Indigo

```
Start at: 2018-05-31 19:00:04
End at: 2018-05-31 19:00:34
Local clock offset: -0.047 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.14 Mbit/s
95th percentile per-packet one-way delay: 64.276 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 217.14 Mbit/s
95th percentile per-packet one-way delay: 64.276 ms
Loss rate: 0.47%
```

## Run 6: Report of Indigo — Data Link

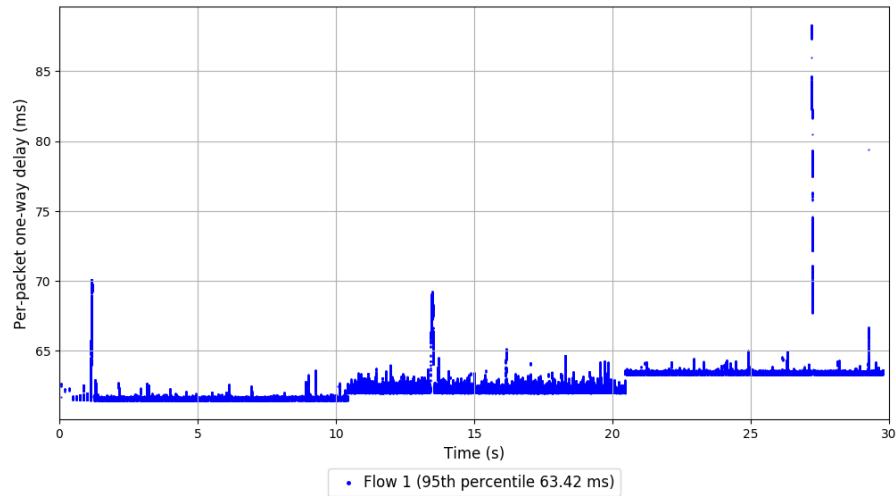
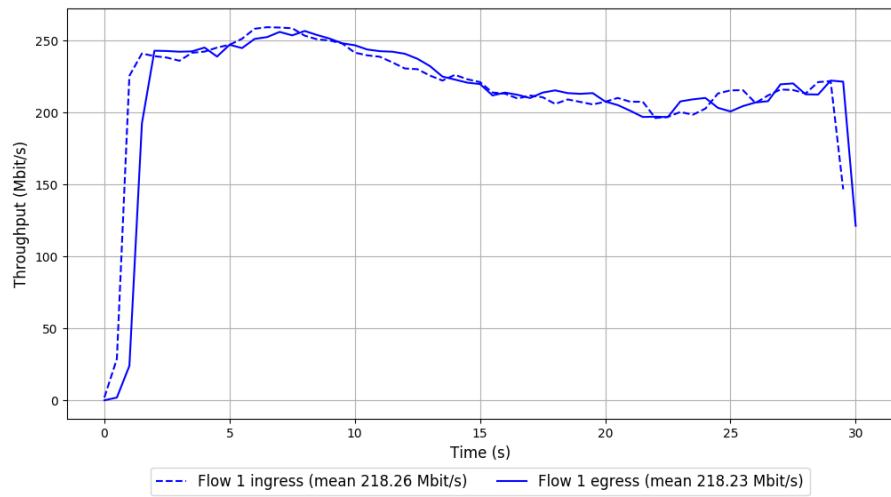


Run 7: Statistics of Indigo

```
Start at: 2018-05-31 19:20:37
End at: 2018-05-31 19:21:07
Local clock offset: -0.089 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.23 Mbit/s
95th percentile per-packet one-way delay: 63.422 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 218.23 Mbit/s
95th percentile per-packet one-way delay: 63.422 ms
Loss rate: 0.43%
```

## Run 7: Report of Indigo — Data Link

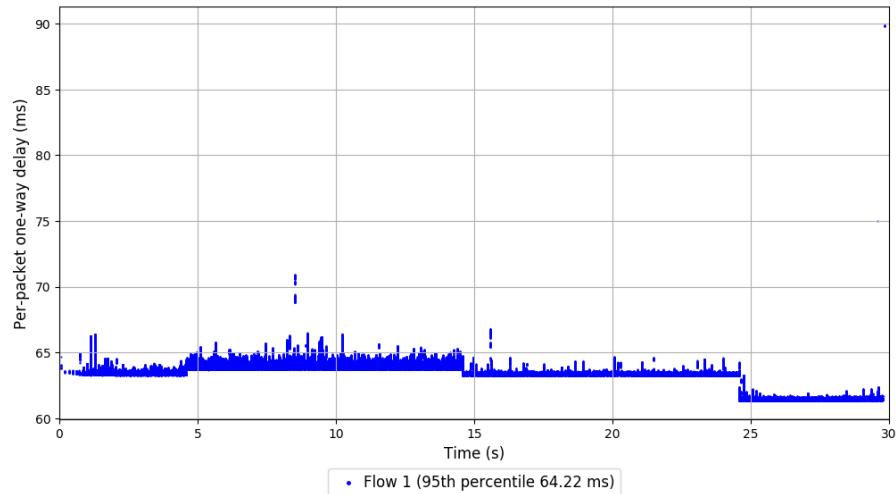
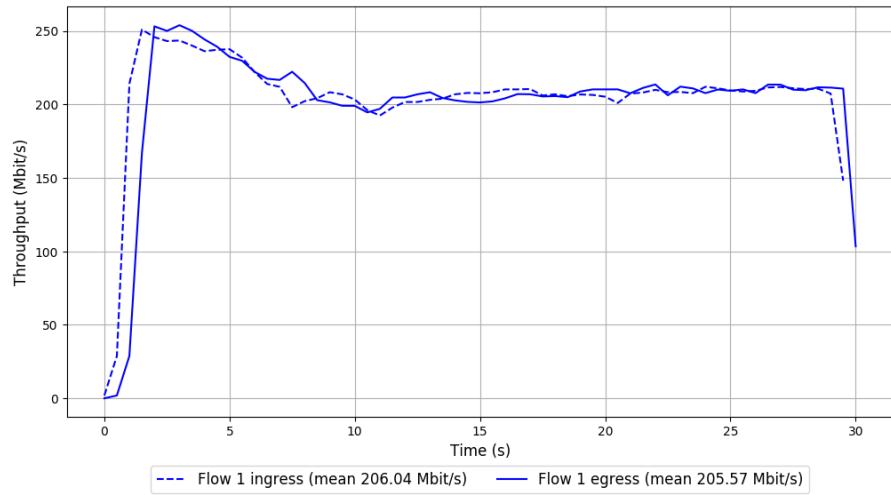


Run 8: Statistics of Indigo

```
Start at: 2018-05-31 19:41:13
End at: 2018-05-31 19:41:43
Local clock offset: -0.054 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.57 Mbit/s
95th percentile per-packet one-way delay: 64.217 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 205.57 Mbit/s
95th percentile per-packet one-way delay: 64.217 ms
Loss rate: 0.42%
```

## Run 8: Report of Indigo — Data Link

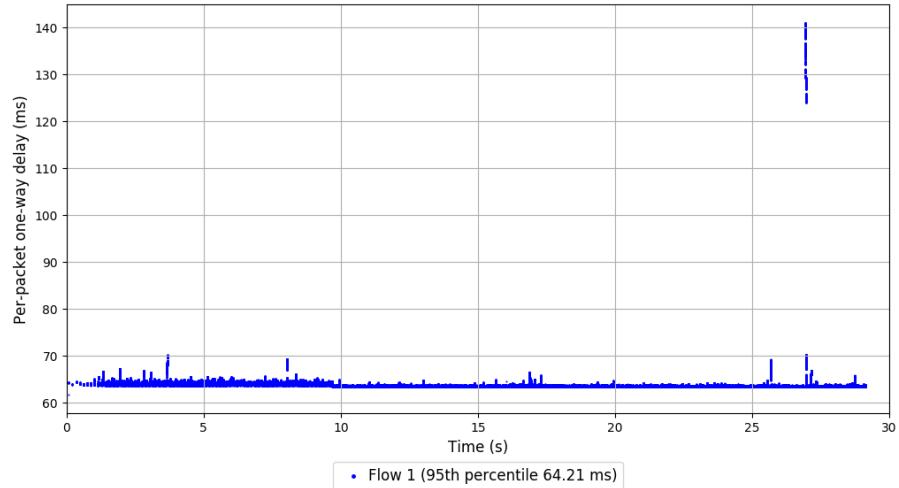
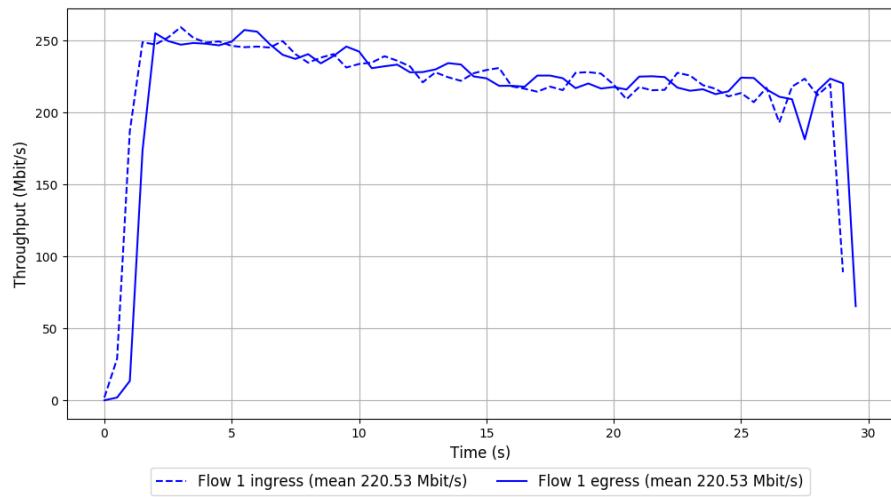


Run 9: Statistics of Indigo

```
Start at: 2018-05-31 20:01:27
End at: 2018-05-31 20:01:57
Local clock offset: -0.025 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.53 Mbit/s
95th percentile per-packet one-way delay: 64.206 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 220.53 Mbit/s
95th percentile per-packet one-way delay: 64.206 ms
Loss rate: 0.44%
```

Run 9: Report of Indigo — Data Link

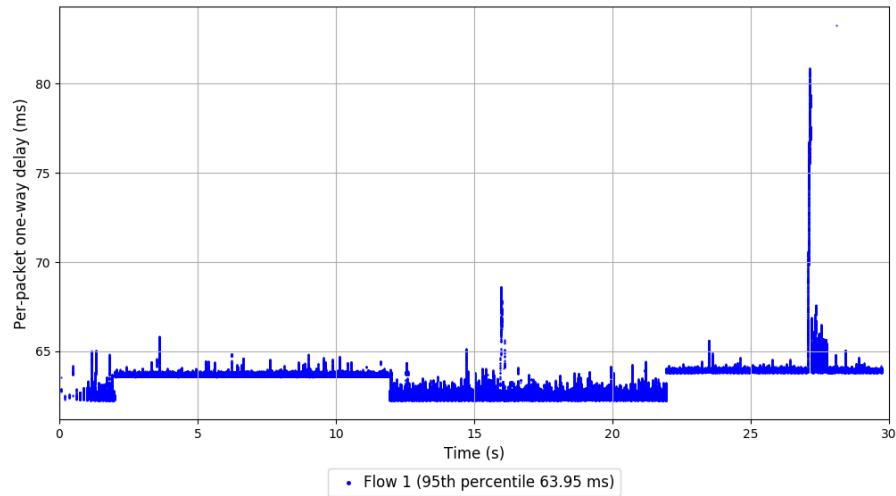
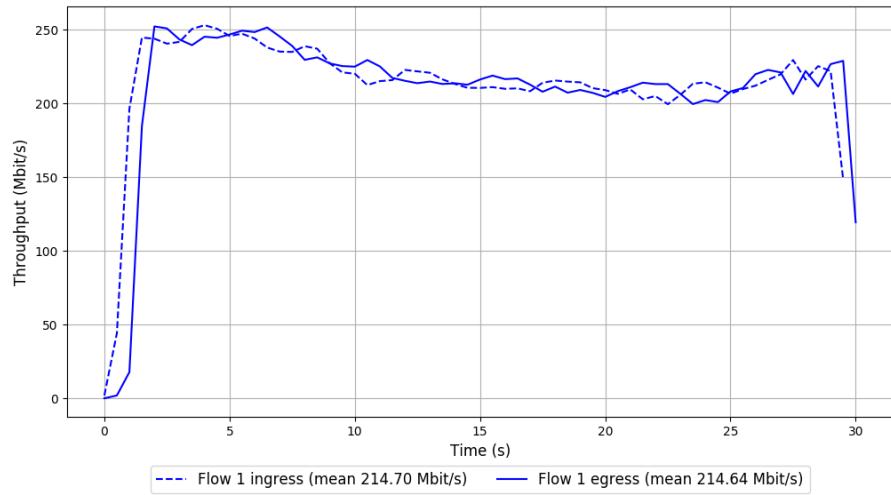


Run 10: Statistics of Indigo

```
Start at: 2018-05-31 20:22:25
End at: 2018-05-31 20:22:55
Local clock offset: 0.009 ms
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.64 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 214.64 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 0.46%
```

## Run 10: Report of Indigo — Data Link

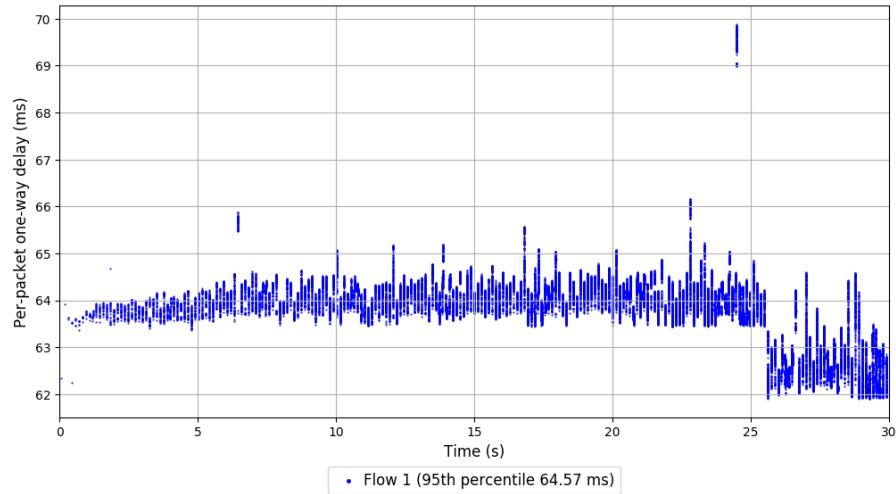
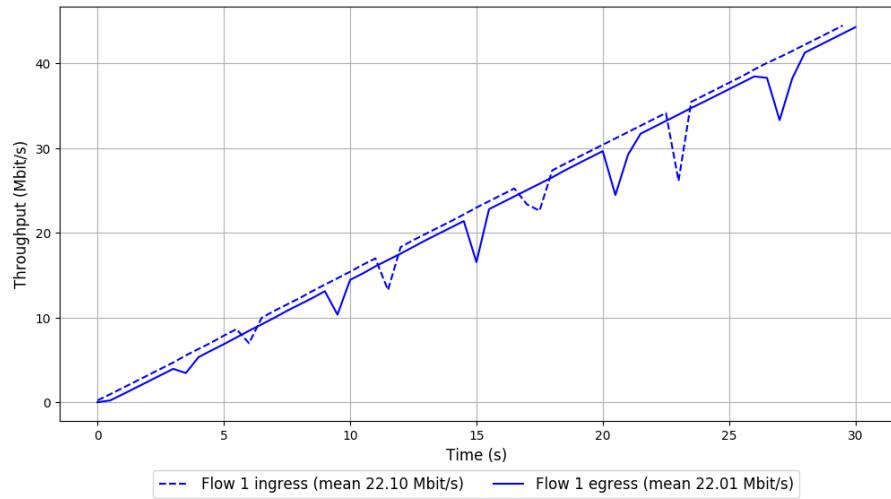


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-31 17:34:42
End at: 2018-05-31 17:35:12
Local clock offset: 0.002 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 64.570 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 64.570 ms
Loss rate: 0.84%
```

Run 1: Report of LEDBAT — Data Link

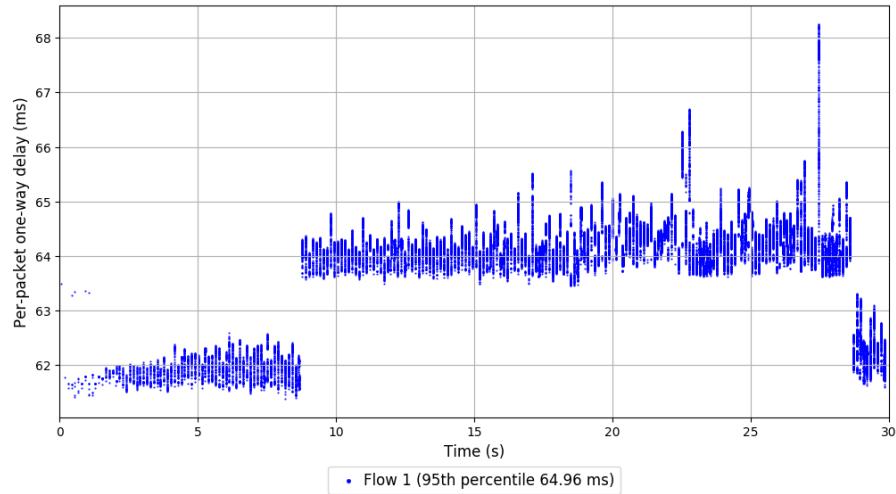
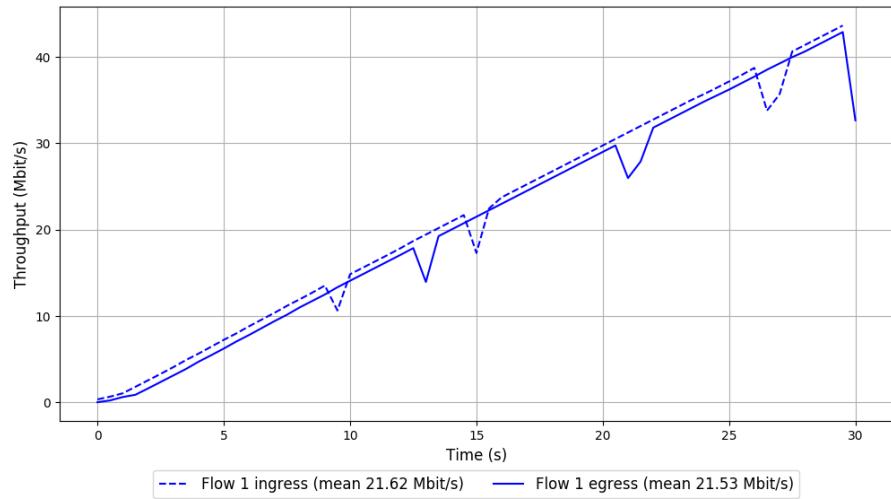


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-31 17:55:29
End at: 2018-05-31 17:55:59
Local clock offset: -0.036 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-05-31 21:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 64.961 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 64.961 ms
Loss rate: 0.85%
```

Run 2: Report of LEDBAT — Data Link

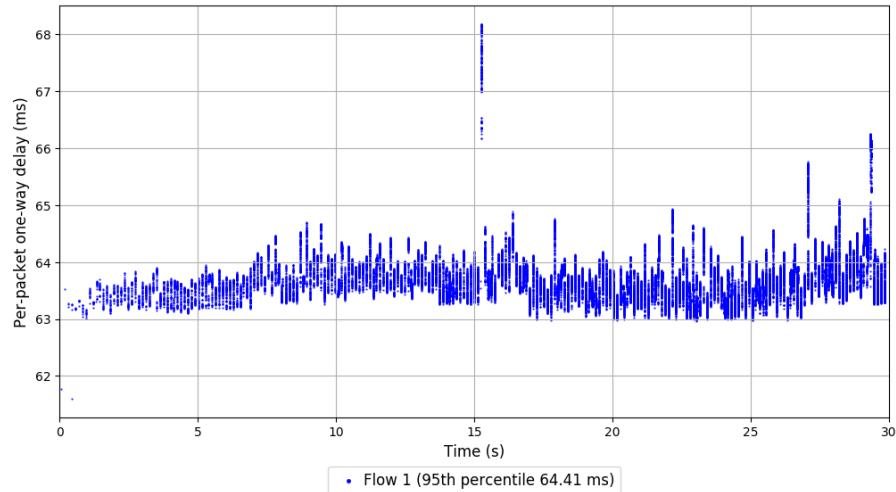
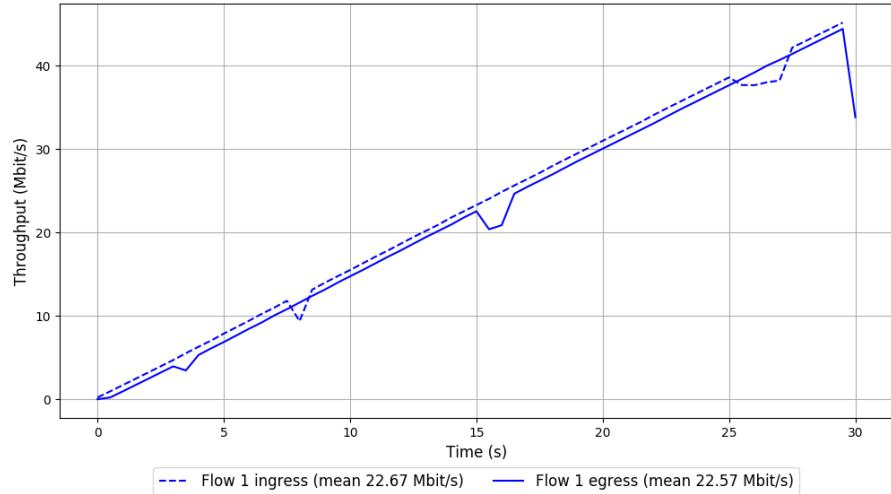


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-31 18:16:10
End at: 2018-05-31 18:16:40
Local clock offset: -0.046 ms
Remote clock offset: 0.227 ms

# Below is generated by plot.py at 2018-05-31 21:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 64.406 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 64.406 ms
Loss rate: 0.84%
```

Run 3: Report of LEDBAT — Data Link

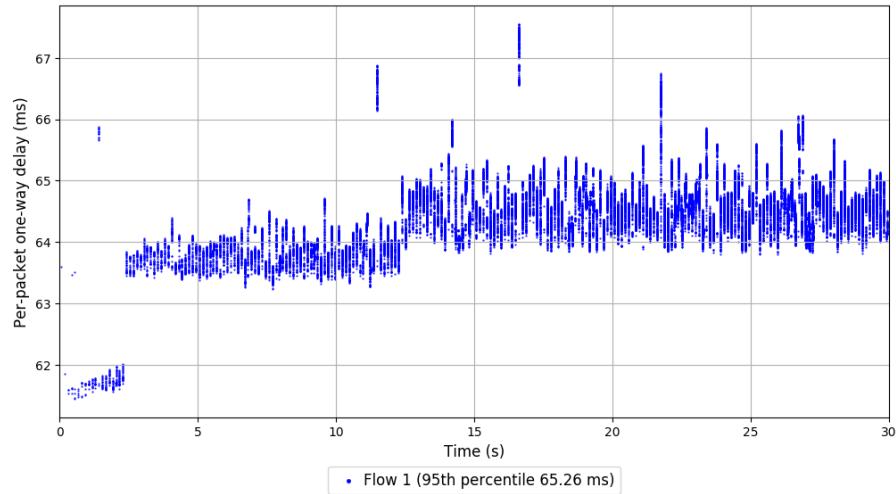
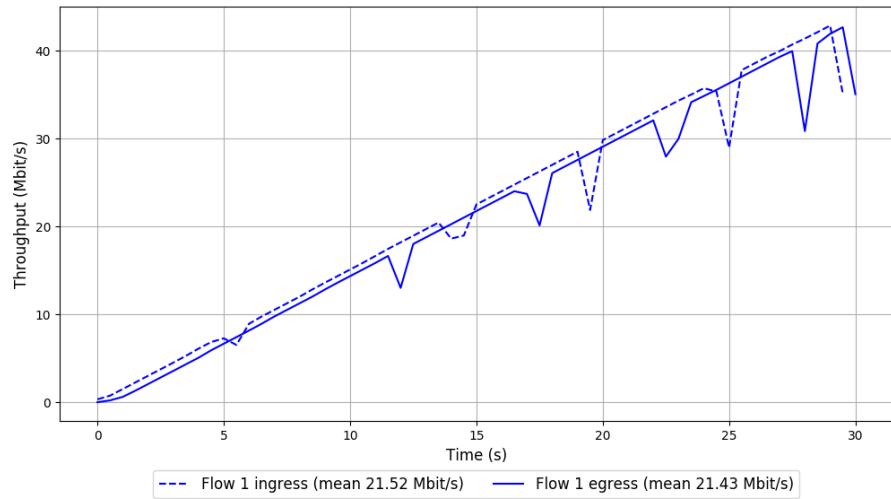


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-31 18:36:45
End at: 2018-05-31 18:37:15
Local clock offset: -0.067 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-05-31 21:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 65.264 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 65.264 ms
Loss rate: 0.84%
```

## Run 4: Report of LEDBAT — Data Link

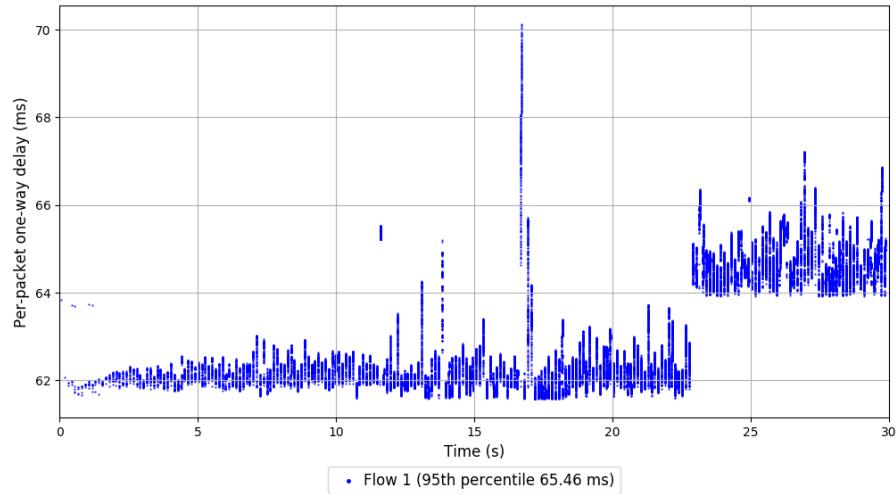
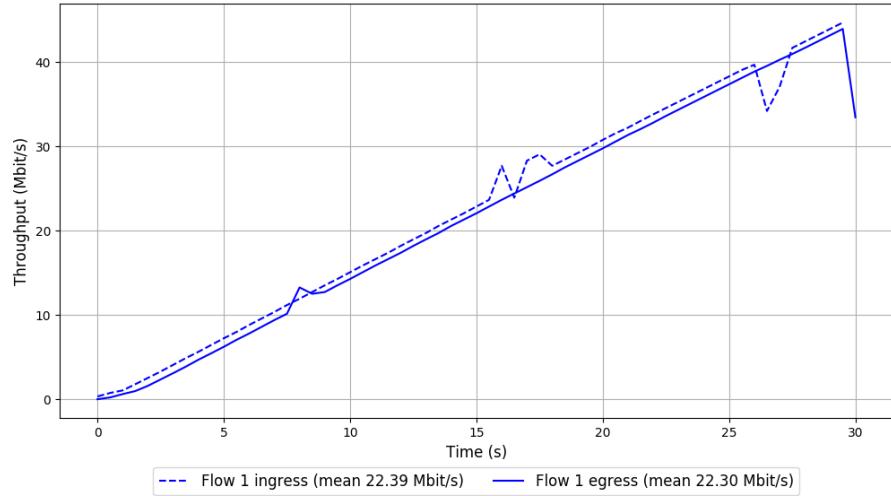


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-31 18:57:25
End at: 2018-05-31 18:57:55
Local clock offset: -0.089 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-31 21:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 65.457 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 65.457 ms
Loss rate: 0.84%
```

Run 5: Report of LEDBAT — Data Link

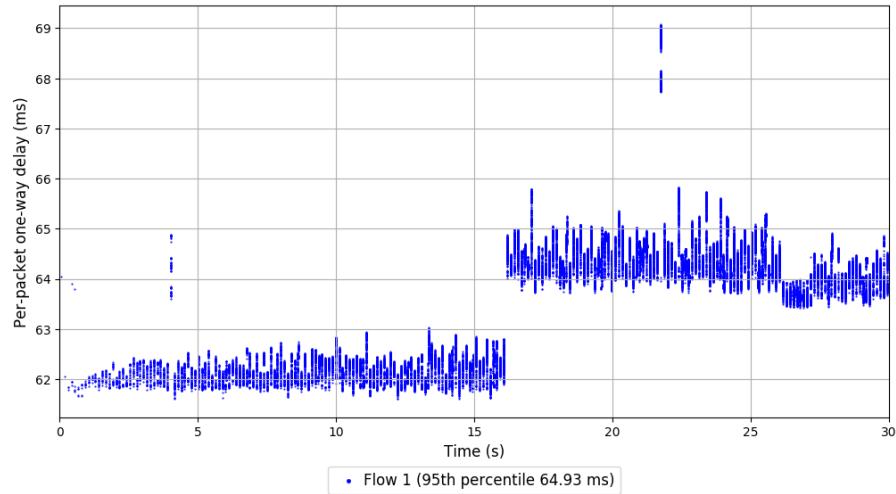
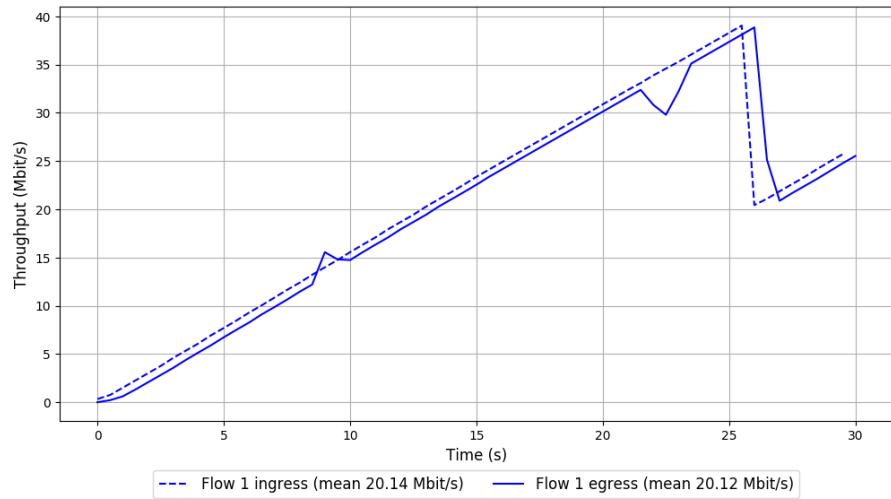


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-31 19:18:11
End at: 2018-05-31 19:18:41
Local clock offset: -0.074 ms
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2018-05-31 21:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 64.929 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 64.929 ms
Loss rate: 0.54%
```

Run 6: Report of LEDBAT — Data Link

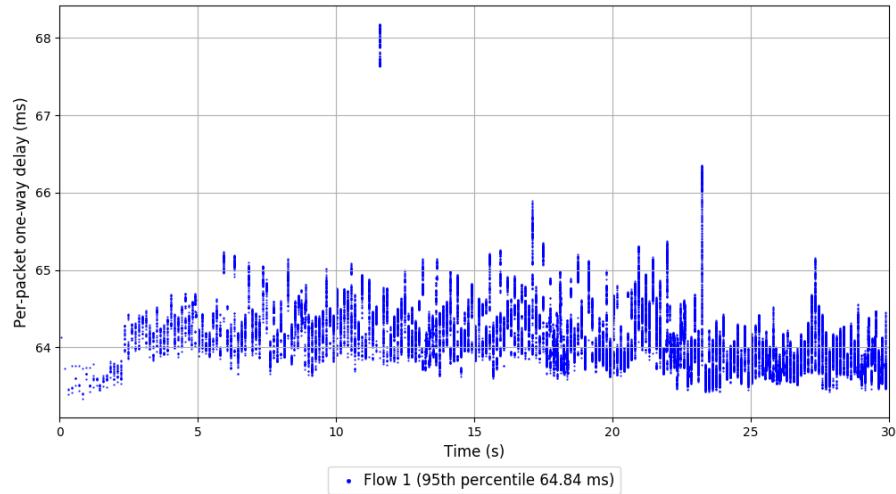
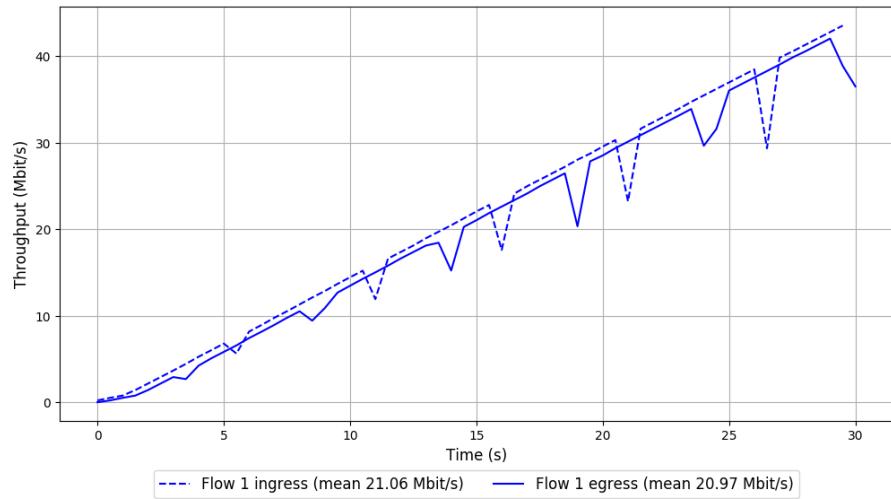


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-31 19:38:35
End at: 2018-05-31 19:39:05
Local clock offset: -0.076 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-05-31 21:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 64.845 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 64.845 ms
Loss rate: 0.87%
```

Run 7: Report of LEDBAT — Data Link

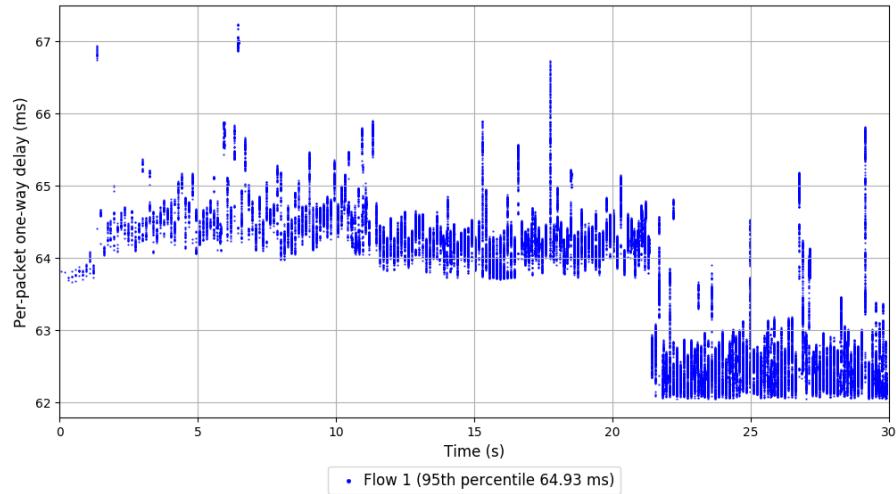
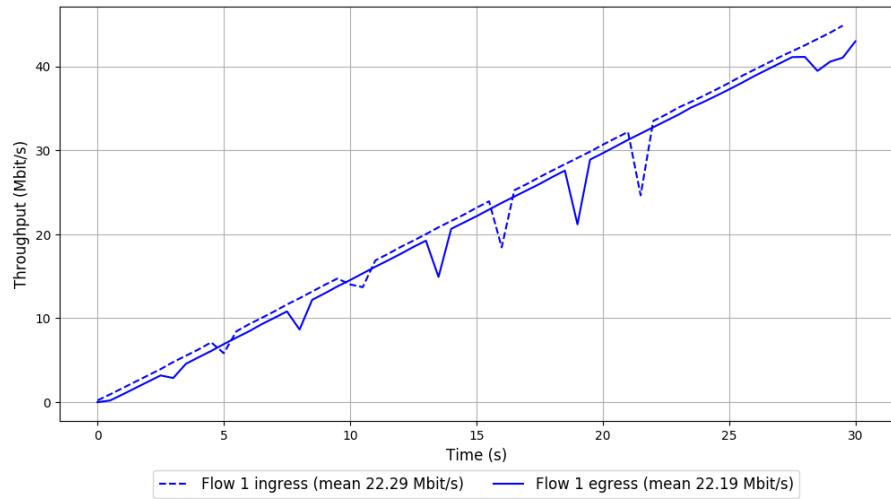


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-31 19:58:56
End at: 2018-05-31 19:59:26
Local clock offset: -0.056 ms
Remote clock offset: -0.308 ms

# Below is generated by plot.py at 2018-05-31 21:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: 64.932 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: 64.932 ms
Loss rate: 0.85%
```

Run 8: Report of LEDBAT — Data Link

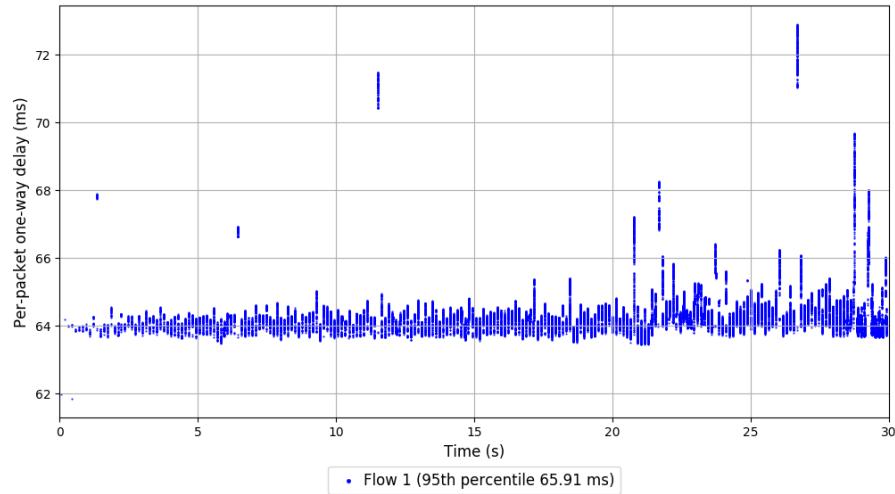
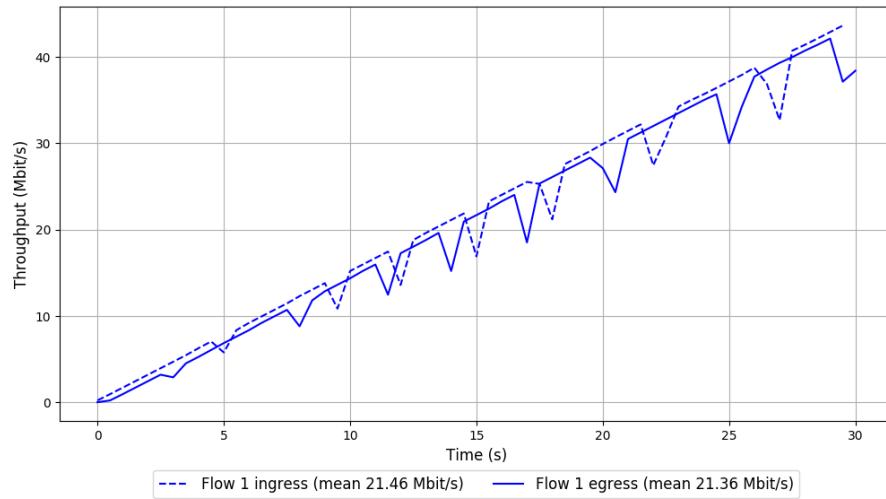


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-31 20:19:46
End at: 2018-05-31 20:20:16
Local clock offset: 0.046 ms
Remote clock offset: 0.112 ms

# Below is generated by plot.py at 2018-05-31 21:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 65.906 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 65.906 ms
Loss rate: 0.85%
```

Run 9: Report of LEDBAT — Data Link

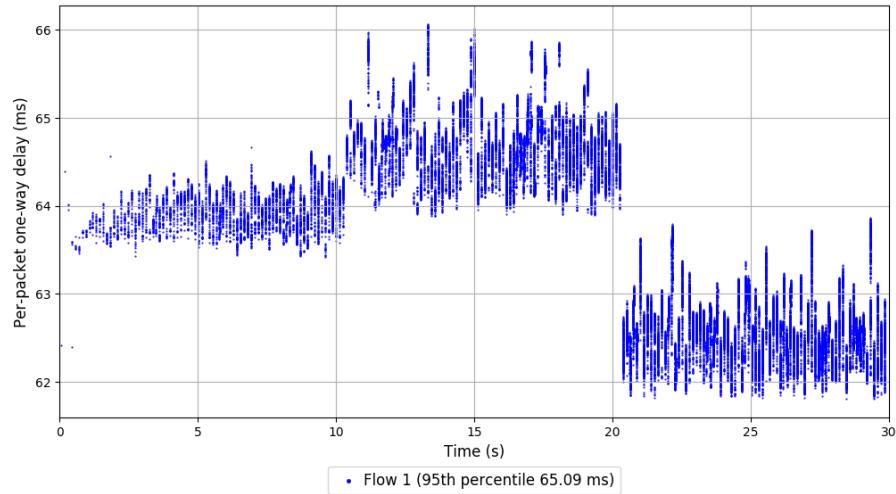
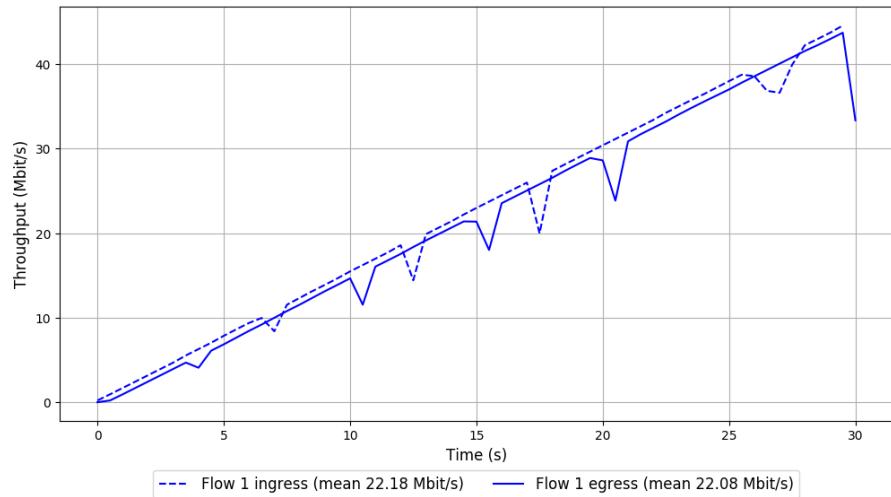


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-31 20:40:17
End at: 2018-05-31 20:40:47
Local clock offset: 0.009 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-05-31 21:37:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.08 Mbit/s
95th percentile per-packet one-way delay: 65.087 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 22.08 Mbit/s
95th percentile per-packet one-way delay: 65.087 ms
Loss rate: 0.85%
```

## Run 10: Report of LEDBAT — Data Link

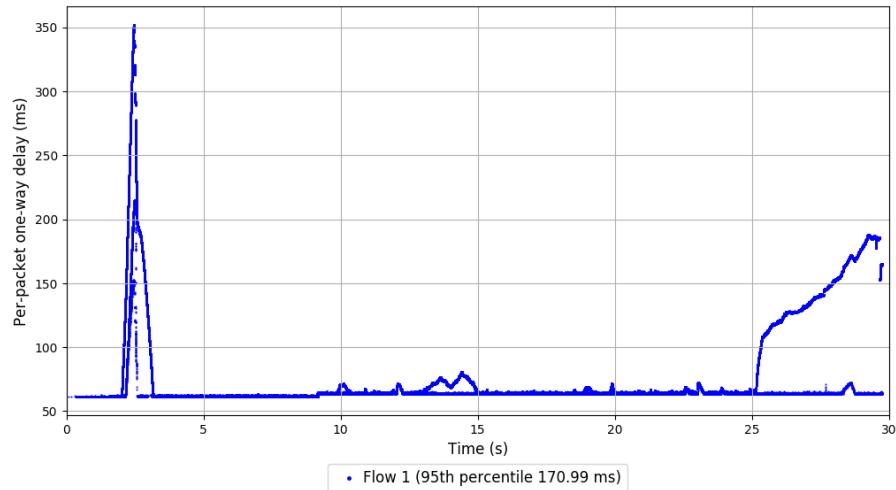
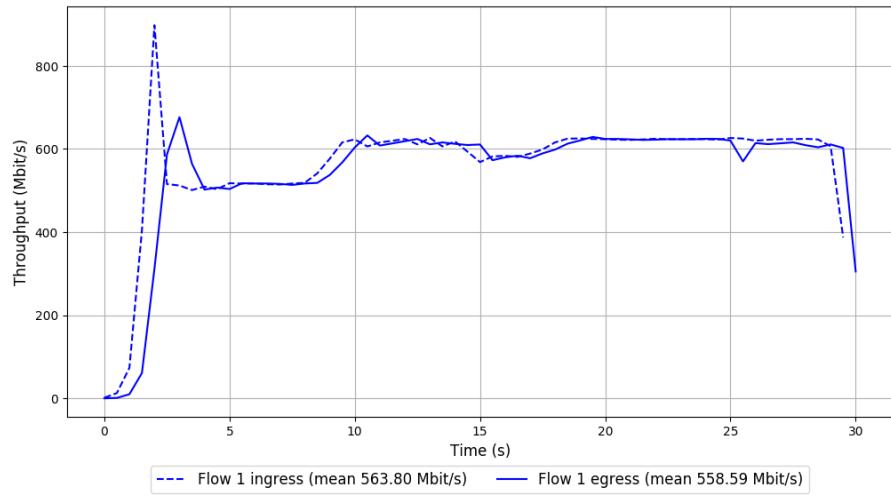


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-31 17:31:38
End at: 2018-05-31 17:32:08
Local clock offset: 0.029 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at 2018-05-31 21:39:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 558.59 Mbit/s
95th percentile per-packet one-way delay: 170.986 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 558.59 Mbit/s
95th percentile per-packet one-way delay: 170.986 ms
Loss rate: 1.34%
```

Run 1: Report of PCC-Allegro — Data Link

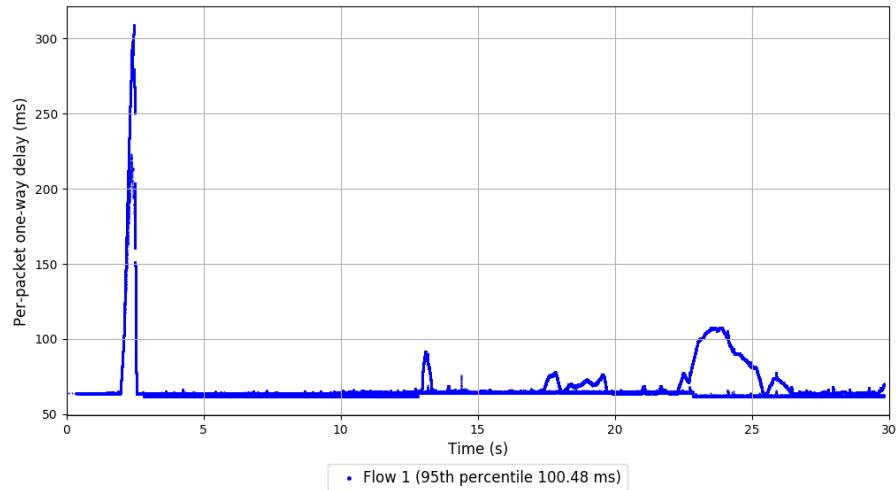
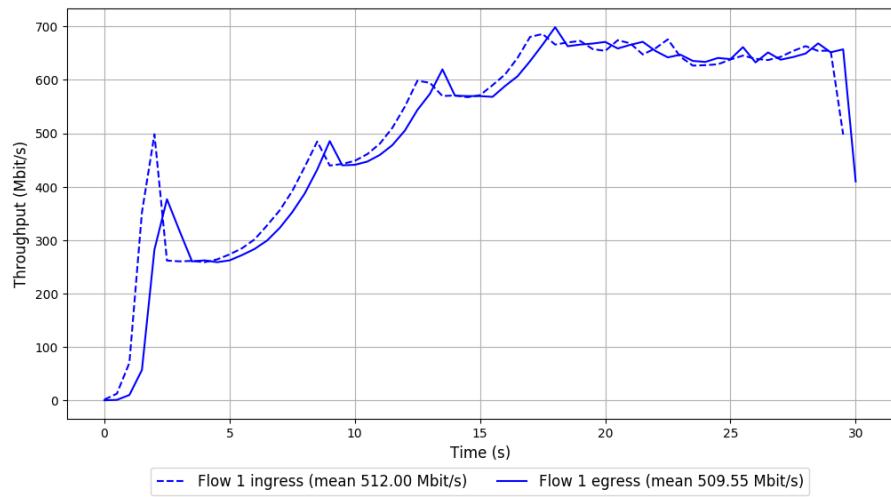


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-31 17:52:27
End at: 2018-05-31 17:52:57
Local clock offset: 0.031 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-05-31 21:39:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 509.55 Mbit/s
95th percentile per-packet one-way delay: 100.476 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 509.55 Mbit/s
95th percentile per-packet one-way delay: 100.476 ms
Loss rate: 0.94%
```

Run 2: Report of PCC-Allegro — Data Link

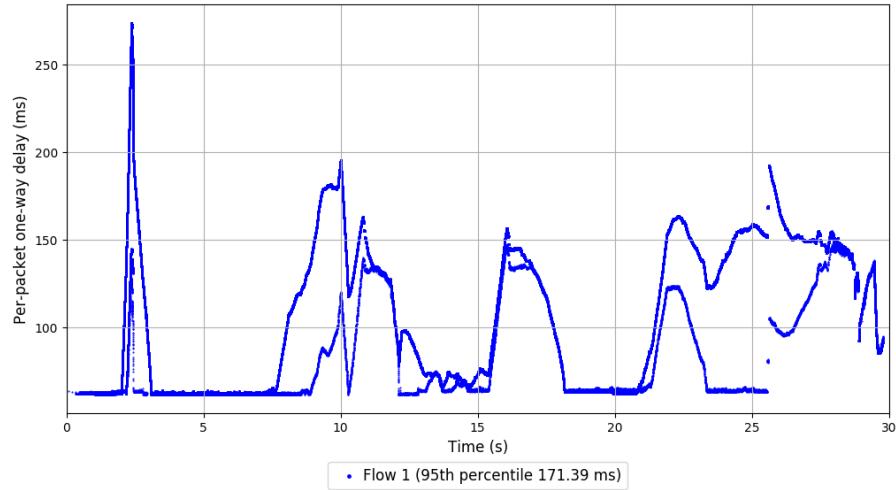
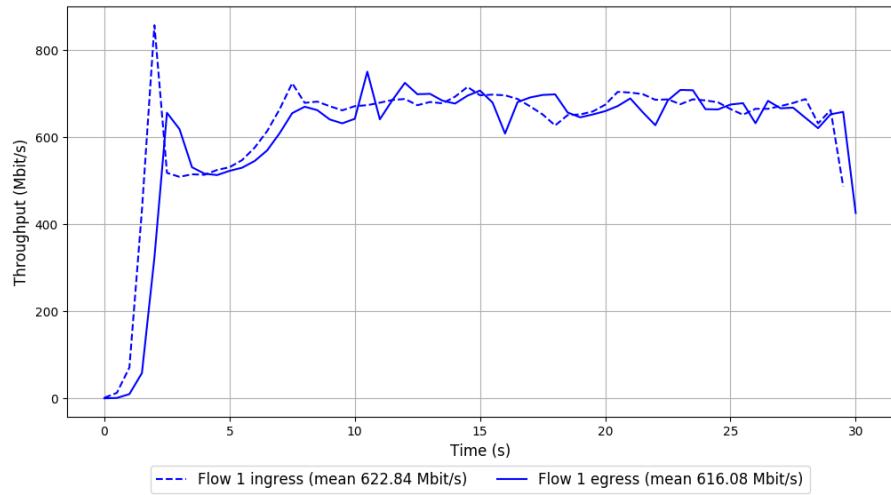


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-31 18:13:07
End at: 2018-05-31 18:13:37
Local clock offset: -0.039 ms
Remote clock offset: -0.297 ms

# Below is generated by plot.py at 2018-05-31 21:40:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 616.08 Mbit/s
95th percentile per-packet one-way delay: 171.389 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 616.08 Mbit/s
95th percentile per-packet one-way delay: 171.389 ms
Loss rate: 1.51%
```

Run 3: Report of PCC-Allegro — Data Link

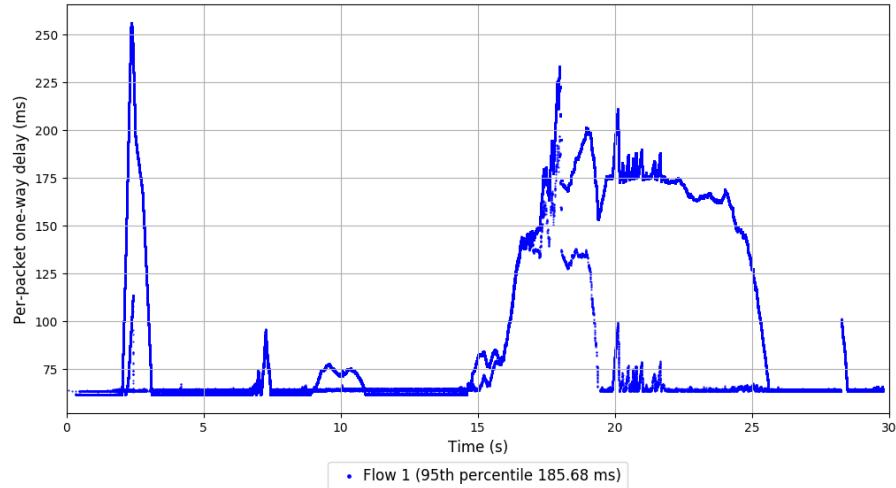
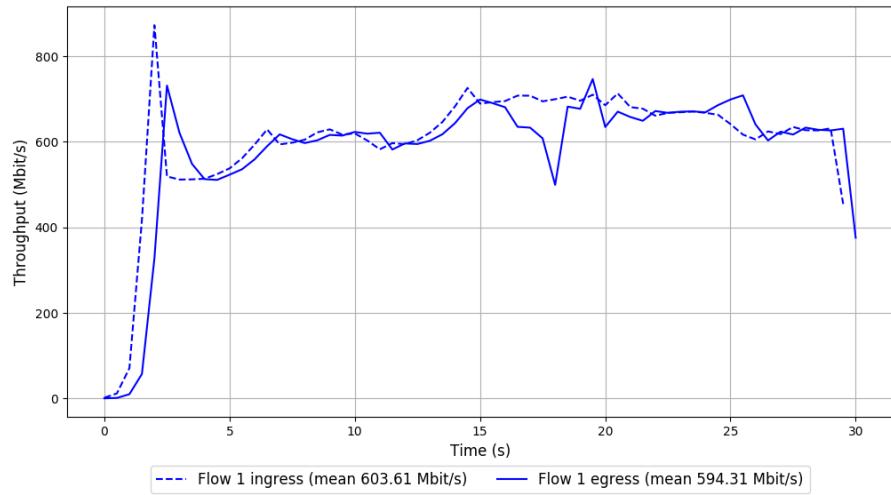


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-31 18:33:38
End at: 2018-05-31 18:34:08
Local clock offset: -0.045 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-05-31 21:40:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.31 Mbit/s
95th percentile per-packet one-way delay: 185.684 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 594.31 Mbit/s
95th percentile per-packet one-way delay: 185.684 ms
Loss rate: 1.96%
```

Run 4: Report of PCC-Allegro — Data Link

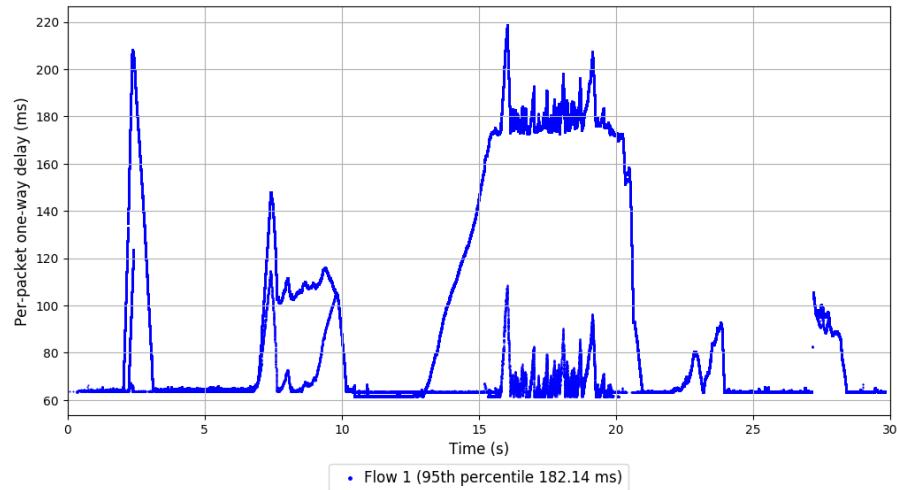
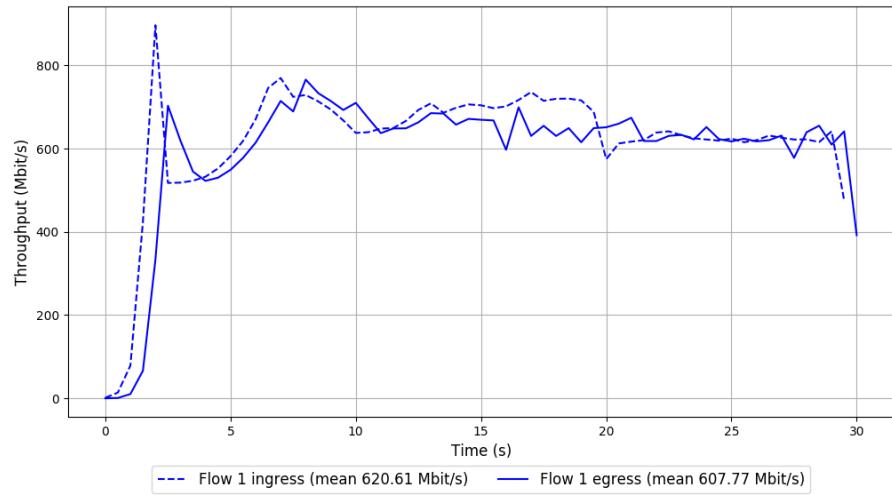


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-31 18:54:17
End at: 2018-05-31 18:54:47
Local clock offset: -0.048 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-31 21:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 607.77 Mbit/s
95th percentile per-packet one-way delay: 182.137 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 607.77 Mbit/s
95th percentile per-packet one-way delay: 182.137 ms
Loss rate: 2.49%
```

Run 5: Report of PCC-Allegro — Data Link

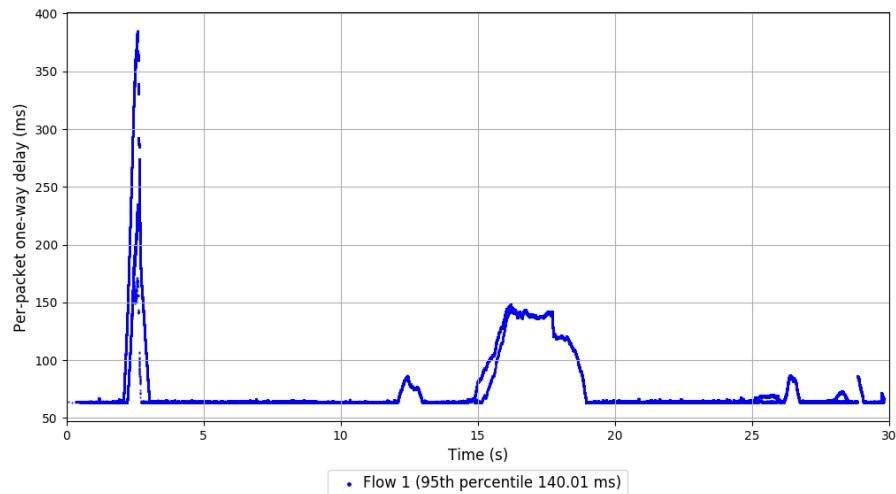
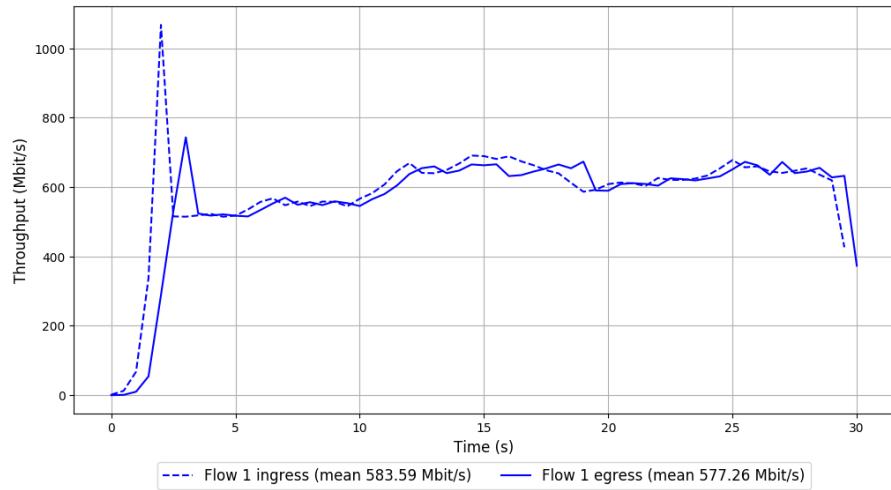


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-31 19:15:08
End at: 2018-05-31 19:15:38
Local clock offset: -0.1 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-05-31 21:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 577.26 Mbit/s
95th percentile per-packet one-way delay: 140.011 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 577.26 Mbit/s
95th percentile per-packet one-way delay: 140.011 ms
Loss rate: 1.55%
```

Run 6: Report of PCC-Allegro — Data Link

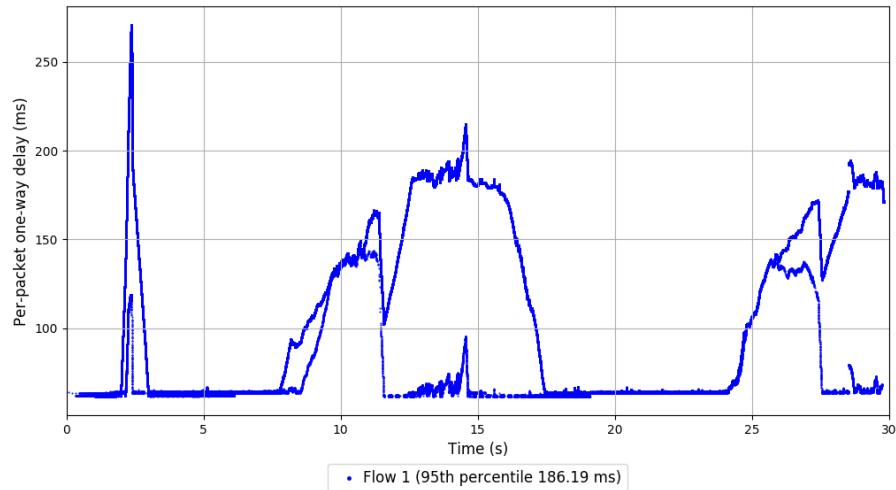
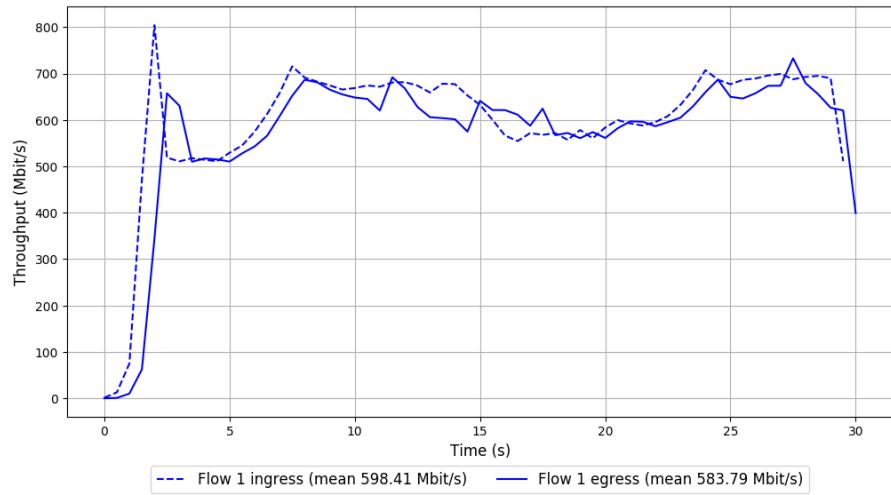


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-31 19:35:31
End at: 2018-05-31 19:36:01
Local clock offset: -0.06 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-31 21:48:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 583.79 Mbit/s
95th percentile per-packet one-way delay: 186.192 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 583.79 Mbit/s
95th percentile per-packet one-way delay: 186.192 ms
Loss rate: 2.86%
```

Run 7: Report of PCC-Allegro — Data Link

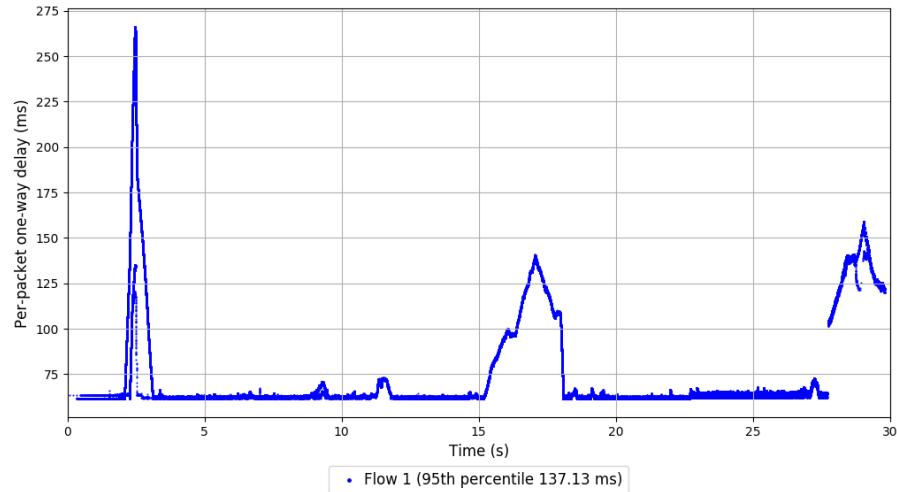
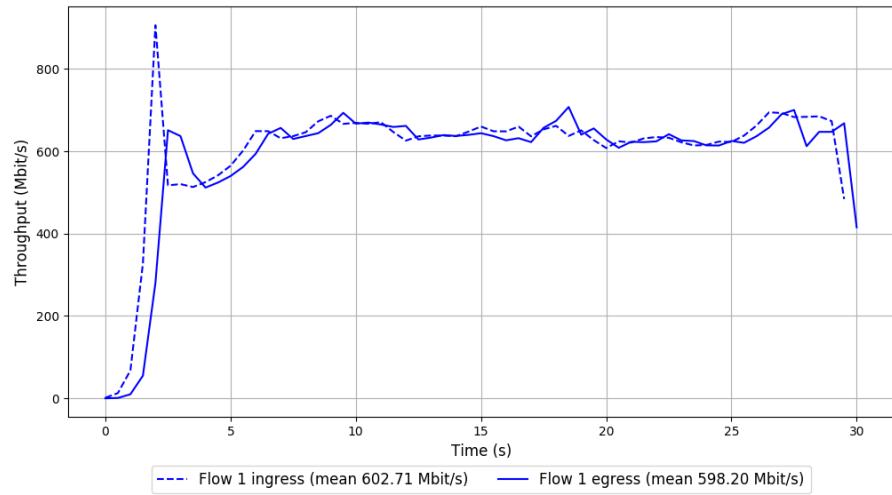


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-31 19:55:55
End at: 2018-05-31 19:56:25
Local clock offset: -0.073 ms
Remote clock offset: -0.196 ms

# Below is generated by plot.py at 2018-05-31 21:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 598.20 Mbit/s
95th percentile per-packet one-way delay: 137.131 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 598.20 Mbit/s
95th percentile per-packet one-way delay: 137.131 ms
Loss rate: 1.17%
```

Run 8: Report of PCC-Allegro — Data Link

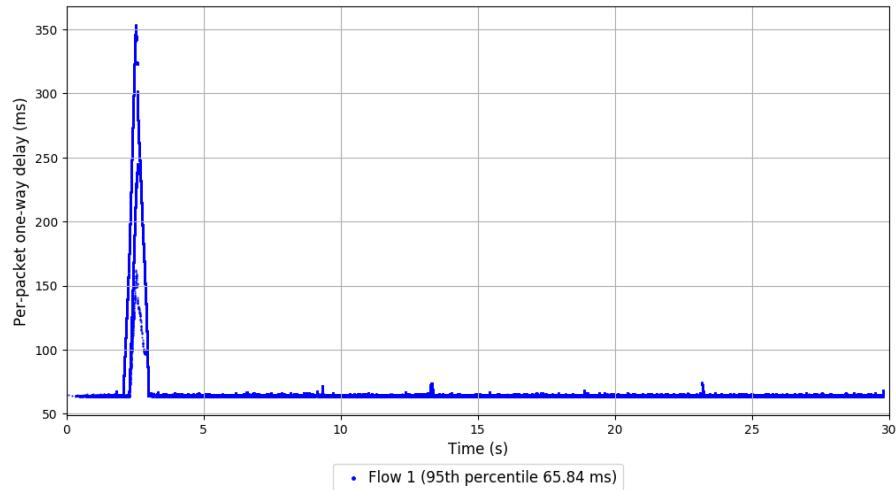
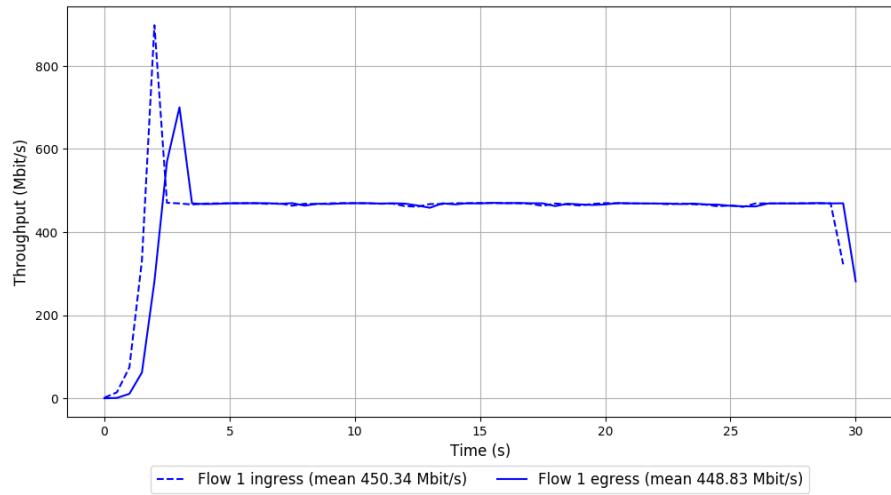


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-31 20:16:48
End at: 2018-05-31 20:17:18
Local clock offset: -0.009 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-05-31 21:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 448.83 Mbit/s
95th percentile per-packet one-way delay: 65.844 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 448.83 Mbit/s
95th percentile per-packet one-way delay: 65.844 ms
Loss rate: 0.76%
```

Run 9: Report of PCC-Allegro — Data Link

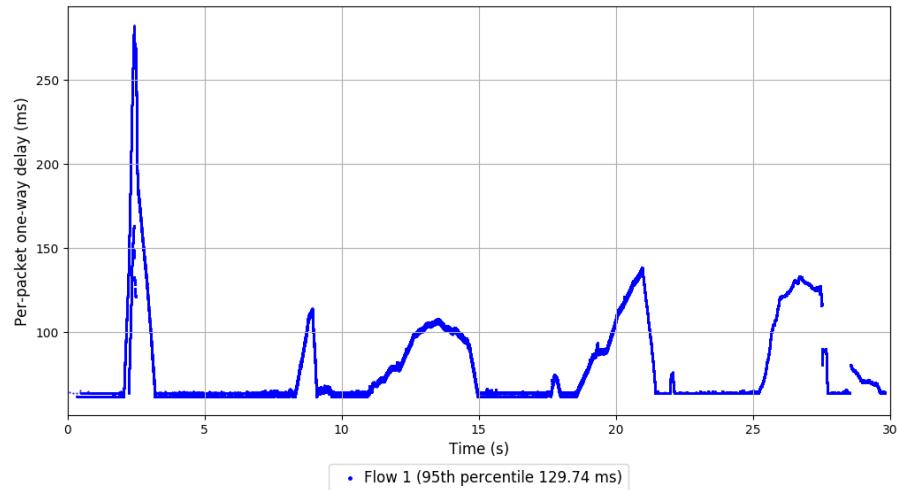
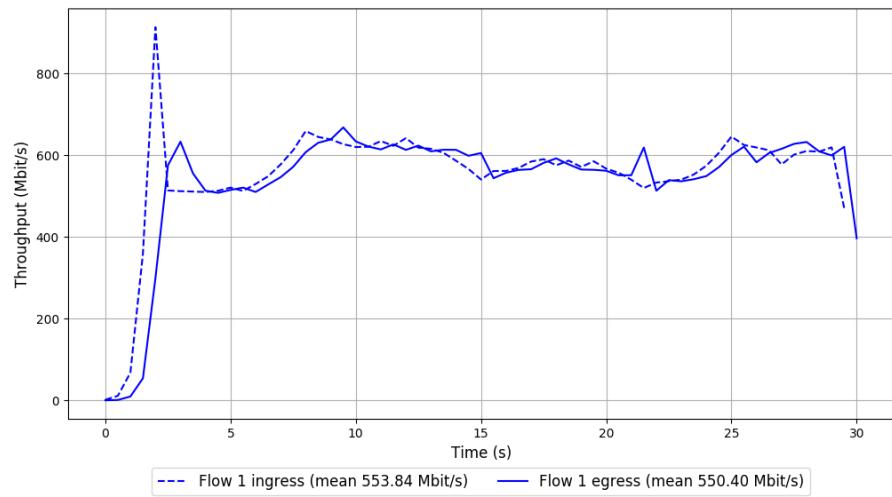


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-31 20:37:16
End at: 2018-05-31 20:37:46
Local clock offset: 0.046 ms
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2018-05-31 21:49:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 550.40 Mbit/s
95th percentile per-packet one-way delay: 129.736 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 550.40 Mbit/s
95th percentile per-packet one-way delay: 129.736 ms
Loss rate: 1.05%
```

Run 10: Report of PCC-Allegro — Data Link

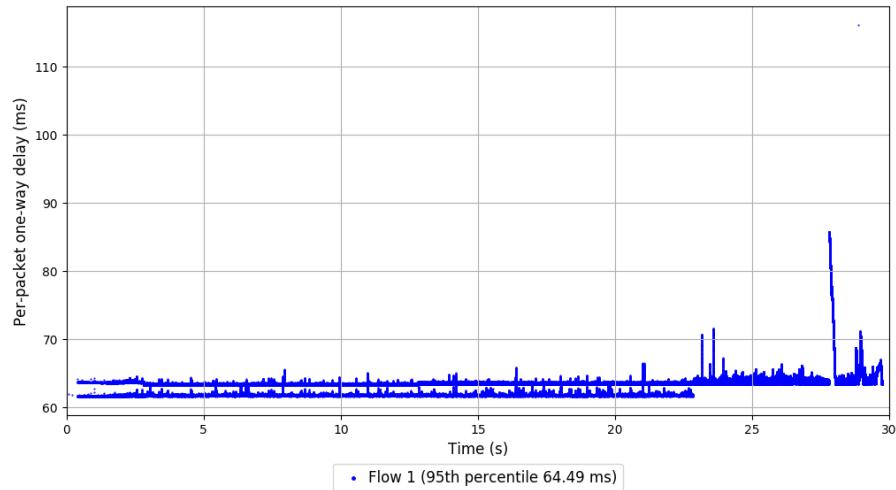
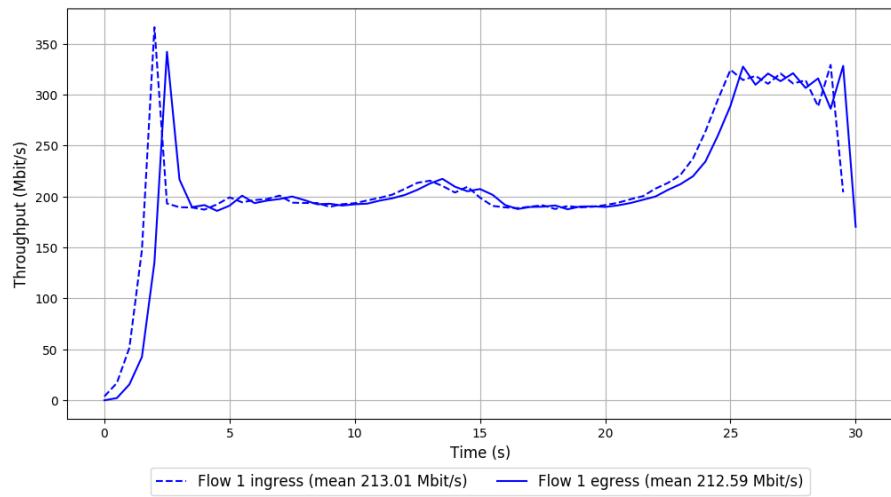


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-31 17:15:34
End at: 2018-05-31 17:16:04
Local clock offset: 0.027 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-05-31 21:49:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.59 Mbit/s
95th percentile per-packet one-way delay: 64.487 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 212.59 Mbit/s
95th percentile per-packet one-way delay: 64.487 ms
Loss rate: 0.61%
```

Run 1: Report of PCC-Expr — Data Link

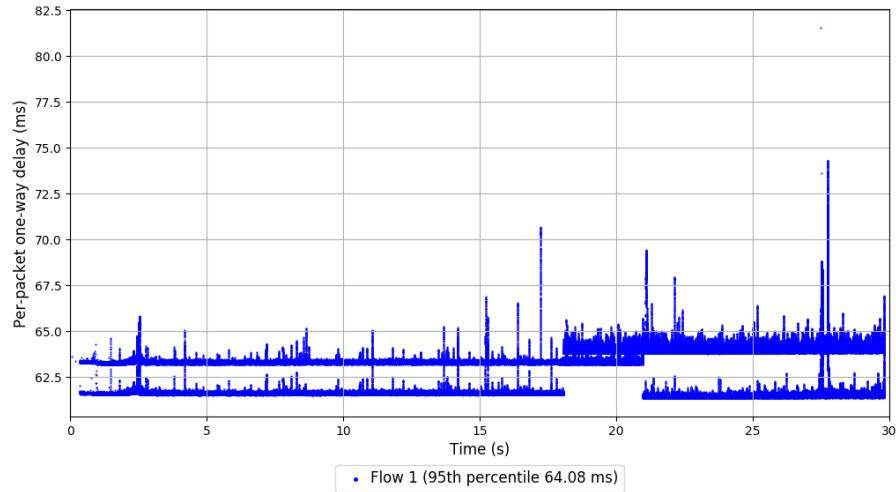
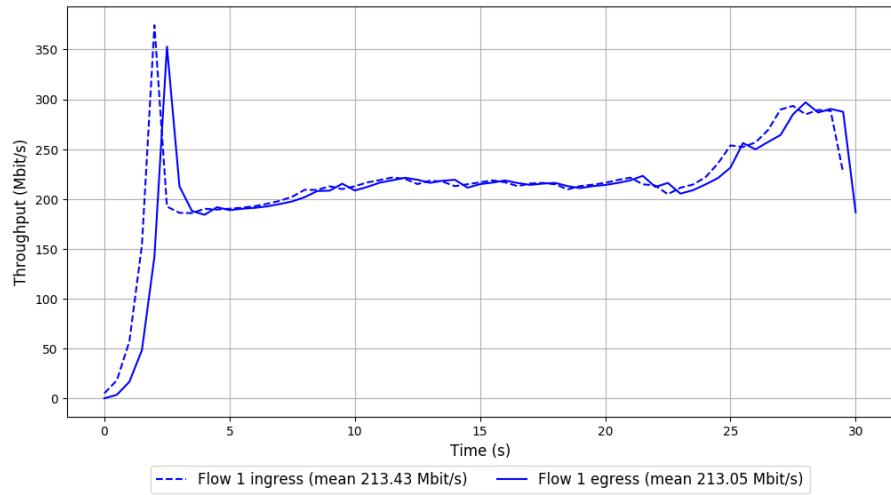


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-31 17:35:49
End at: 2018-05-31 17:36:19
Local clock offset: 0.016 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-05-31 21:49:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.05 Mbit/s
95th percentile per-packet one-way delay: 64.078 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 213.05 Mbit/s
95th percentile per-packet one-way delay: 64.078 ms
Loss rate: 0.60%
```

Run 2: Report of PCC-Expr — Data Link

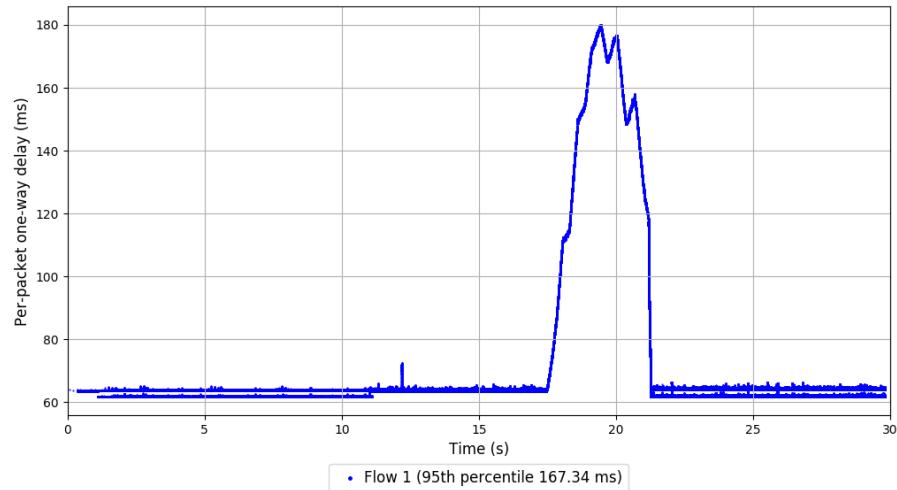
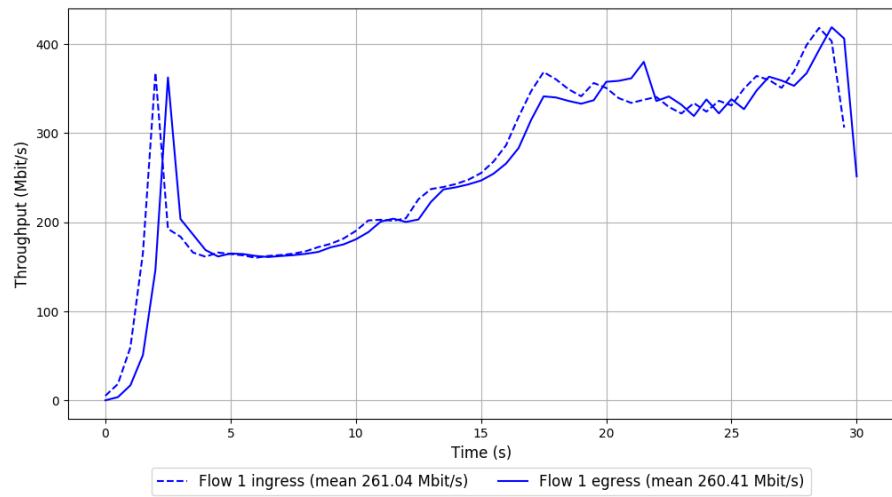


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-31 17:56:36
End at: 2018-05-31 17:57:06
Local clock offset: 0.018 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-05-31 21:49:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.41 Mbit/s
95th percentile per-packet one-way delay: 167.338 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 260.41 Mbit/s
95th percentile per-packet one-way delay: 167.338 ms
Loss rate: 0.67%
```

Run 3: Report of PCC-Expr — Data Link

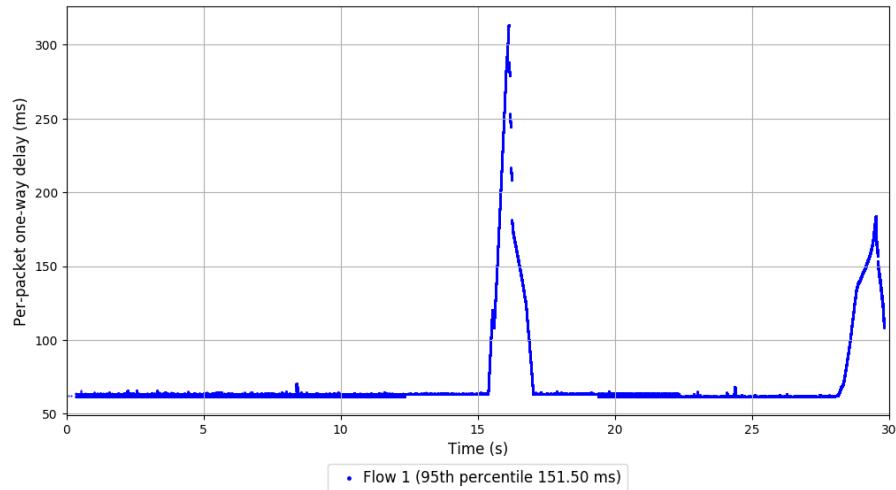
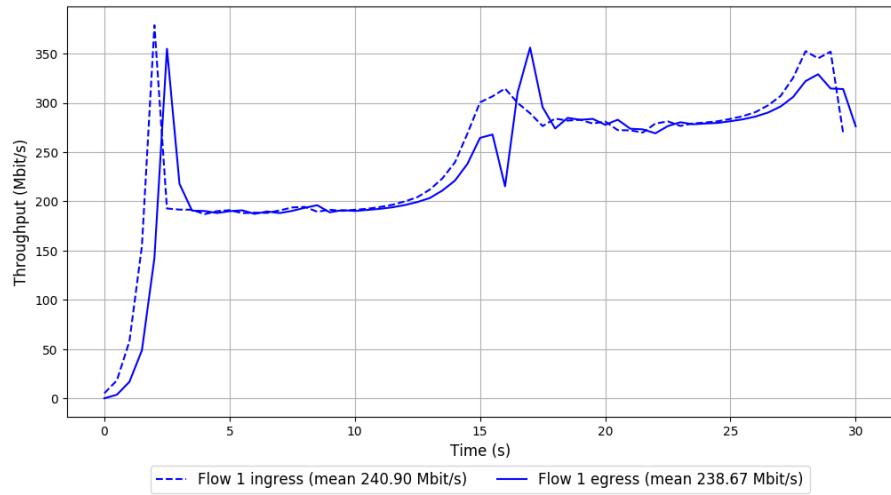


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-31 18:17:18
End at: 2018-05-31 18:17:48
Local clock offset: -0.05 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-05-31 21:49:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 238.67 Mbit/s
95th percentile per-packet one-way delay: 151.497 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 238.67 Mbit/s
95th percentile per-packet one-way delay: 151.497 ms
Loss rate: 1.34%
```

Run 4: Report of PCC-Expr — Data Link

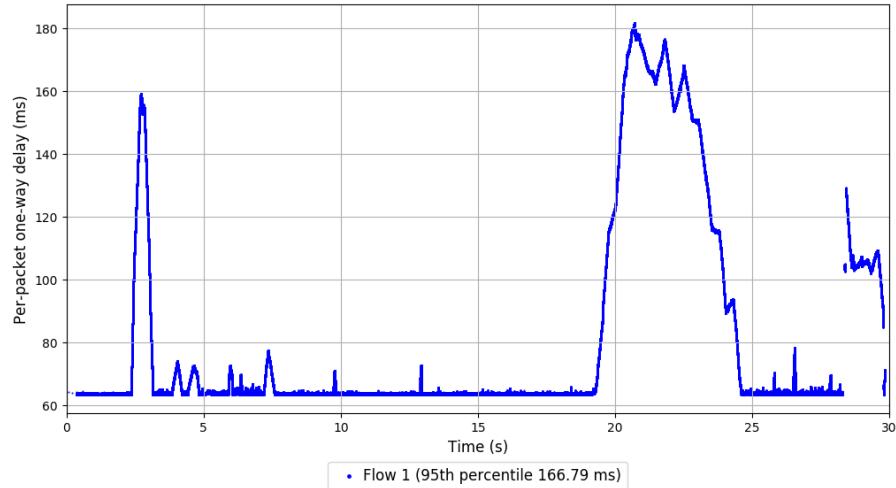
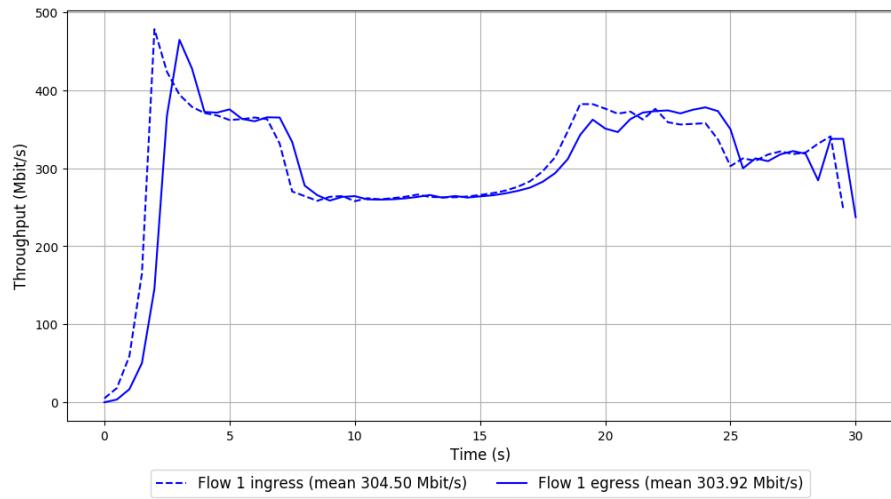


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-31 18:37:52
End at: 2018-05-31 18:38:22
Local clock offset: -0.068 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2018-05-31 21:56:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 303.92 Mbit/s
95th percentile per-packet one-way delay: 166.787 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 303.92 Mbit/s
95th percentile per-packet one-way delay: 166.787 ms
Loss rate: 0.62%
```

Run 5: Report of PCC-Expr — Data Link

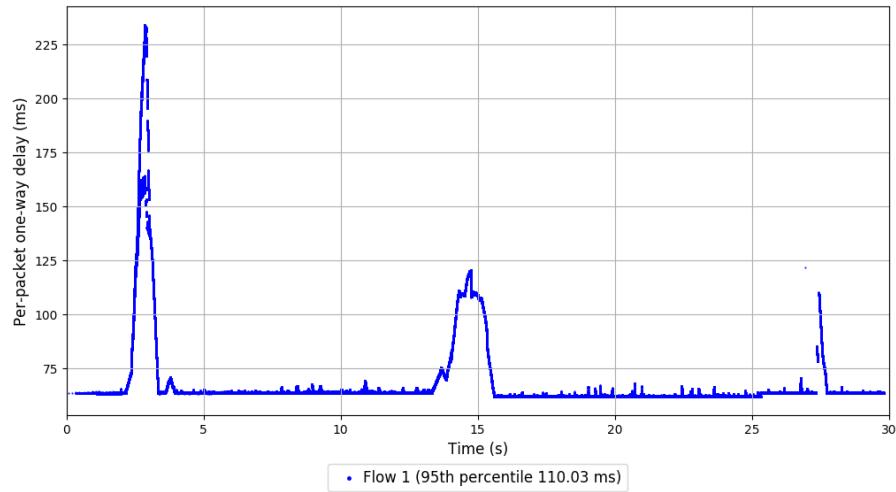
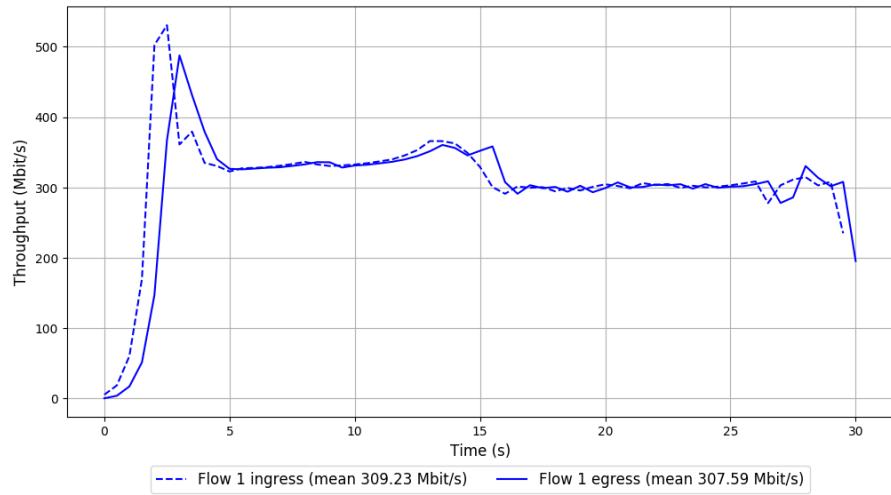


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-31 18:58:32
End at: 2018-05-31 18:59:02
Local clock offset: -0.084 ms
Remote clock offset: -0.308 ms

# Below is generated by plot.py at 2018-05-31 21:57:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 307.59 Mbit/s
95th percentile per-packet one-way delay: 110.032 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 307.59 Mbit/s
95th percentile per-packet one-way delay: 110.032 ms
Loss rate: 0.96%
```

Run 6: Report of PCC-Expr — Data Link

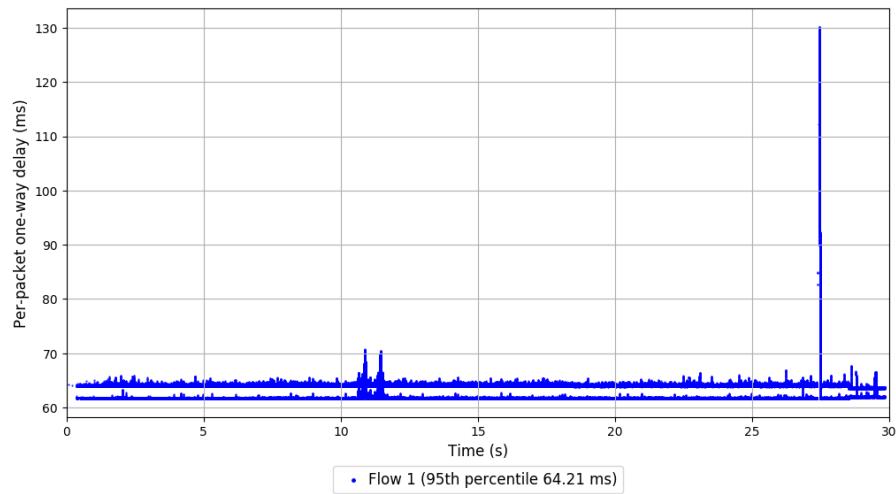
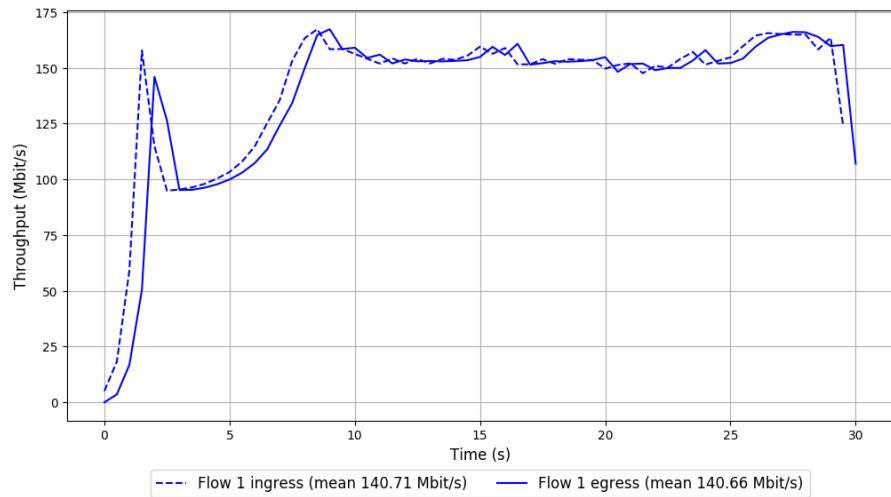


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-31 19:19:19
End at: 2018-05-31 19:19:49
Local clock offset: -0.042 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-05-31 21:57:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.66 Mbit/s
95th percentile per-packet one-way delay: 64.208 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 140.66 Mbit/s
95th percentile per-packet one-way delay: 64.208 ms
Loss rate: 0.46%
```

Run 7: Report of PCC-Expr — Data Link

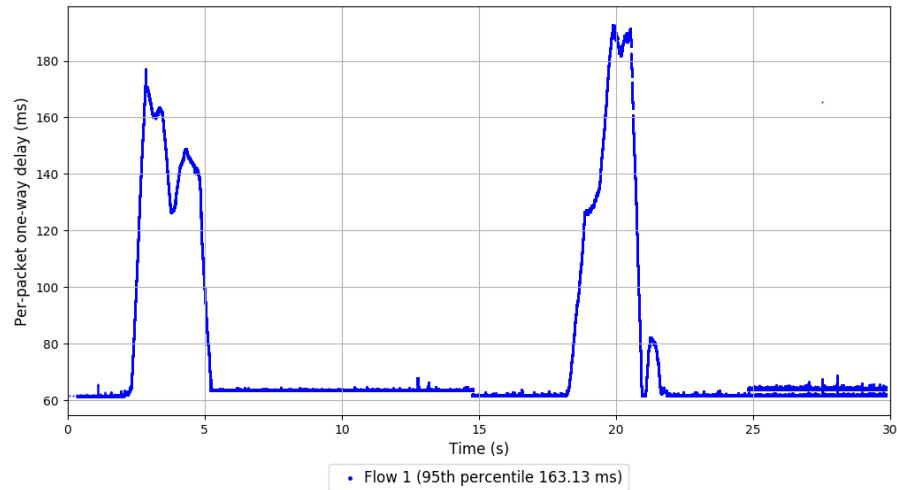
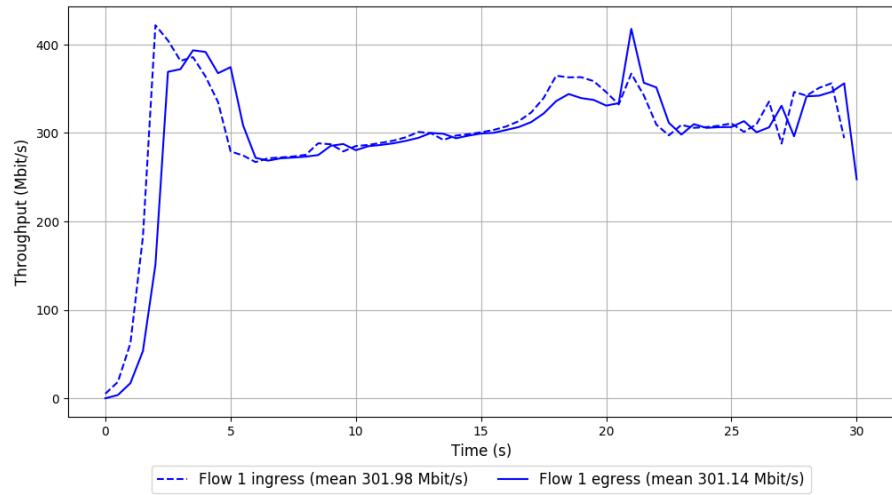


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-31 19:39:42
End at: 2018-05-31 19:40:13
Local clock offset: -0.057 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-05-31 21:57:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 301.14 Mbit/s
95th percentile per-packet one-way delay: 163.135 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 301.14 Mbit/s
95th percentile per-packet one-way delay: 163.135 ms
Loss rate: 0.70%
```

Run 8: Report of PCC-Expr — Data Link

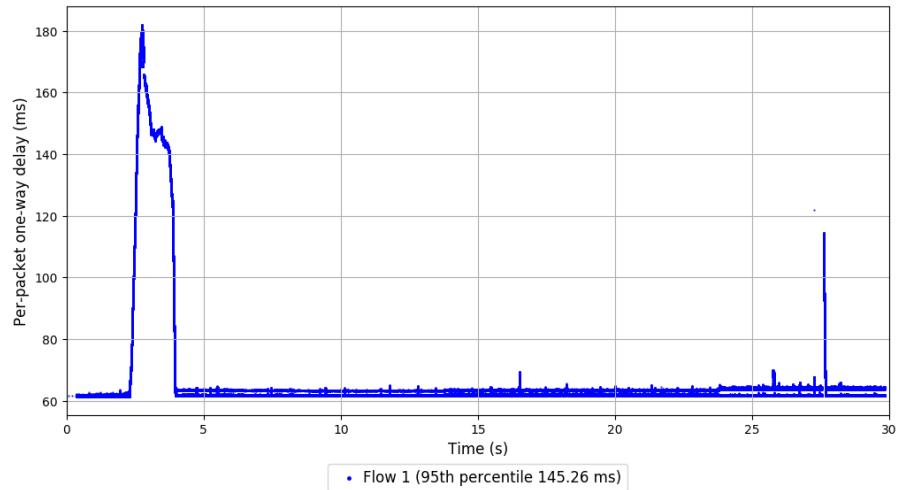
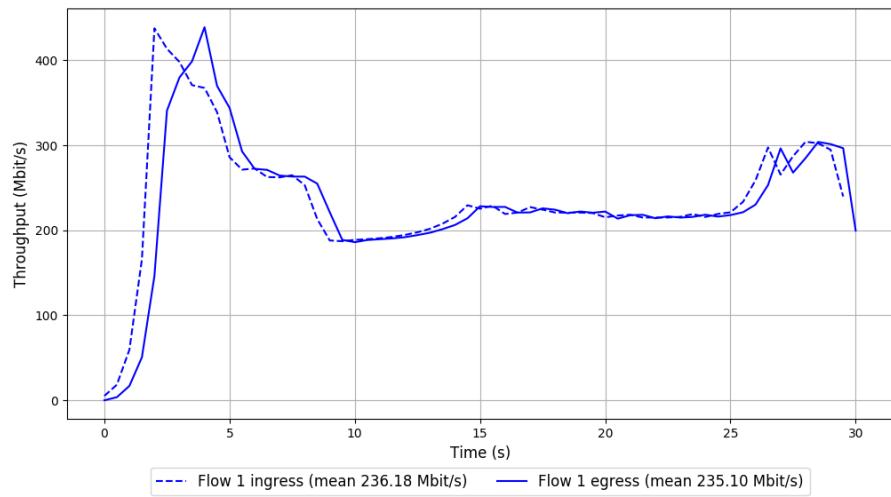


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-31 20:00:03
End at: 2018-05-31 20:00:34
Local clock offset: -0.043 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-05-31 21:57:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.10 Mbit/s
95th percentile per-packet one-way delay: 145.259 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 235.10 Mbit/s
95th percentile per-packet one-way delay: 145.259 ms
Loss rate: 0.88%
```

Run 9: Report of PCC-Expr — Data Link

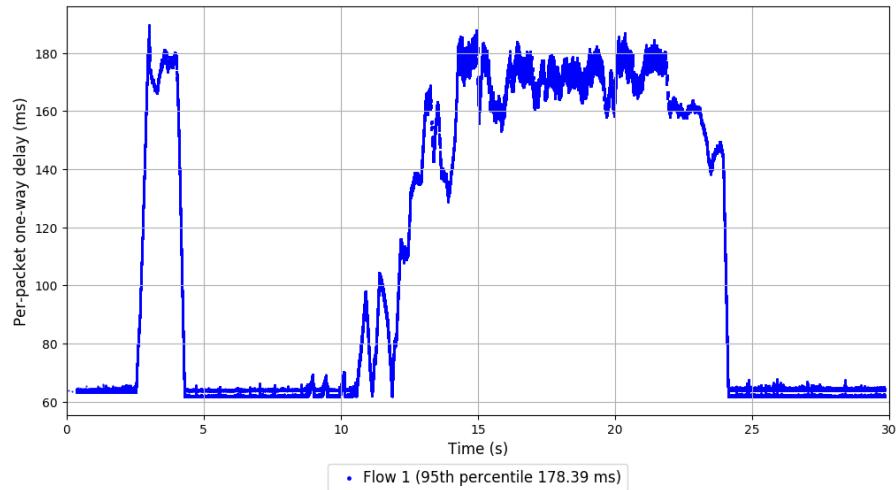
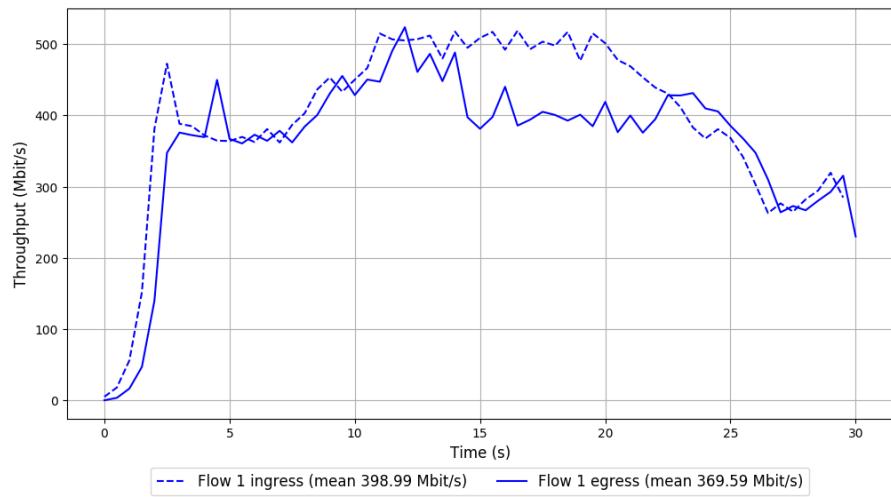


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-31 20:20:53
End at: 2018-05-31 20:21:23
Local clock offset: 0.038 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.59 Mbit/s
95th percentile per-packet one-way delay: 178.390 ms
Loss rate: 7.76%
-- Flow 1:
Average throughput: 369.59 Mbit/s
95th percentile per-packet one-way delay: 178.390 ms
Loss rate: 7.76%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

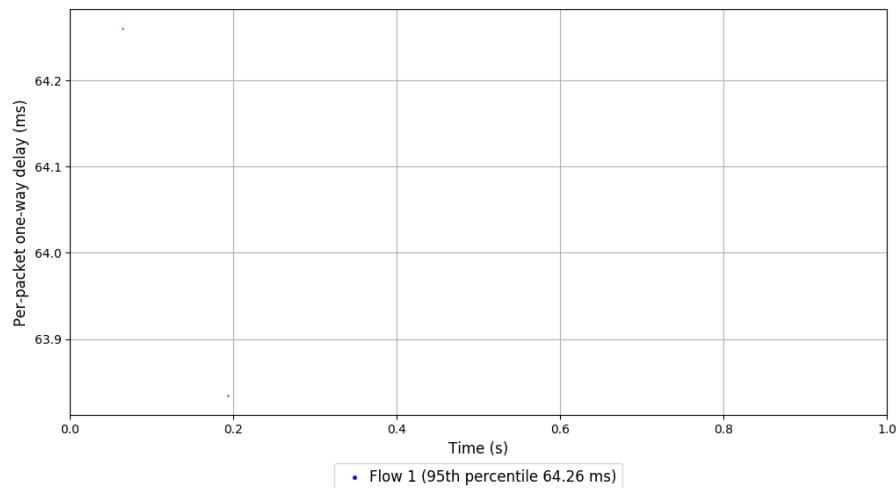
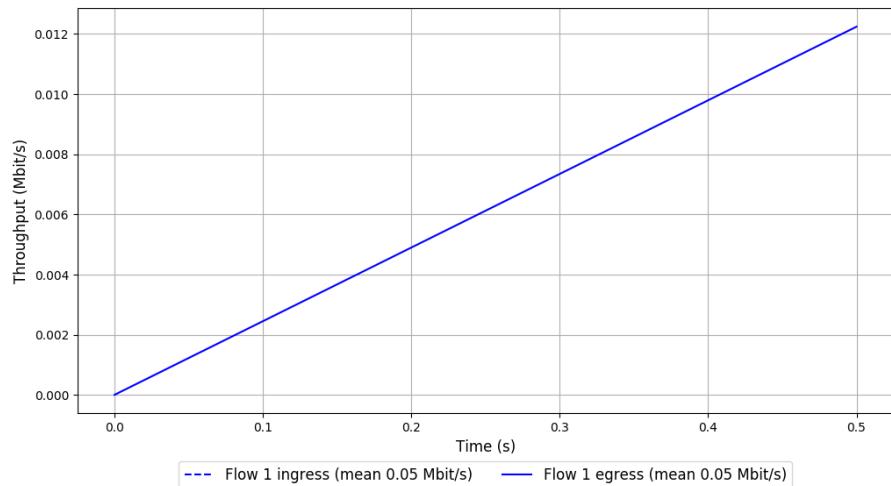
Start at: 2018-05-31 17:25:49

End at: 2018-05-31 17:26:19

Local clock offset: 0.012 ms

Remote clock offset: -0.092 ms

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

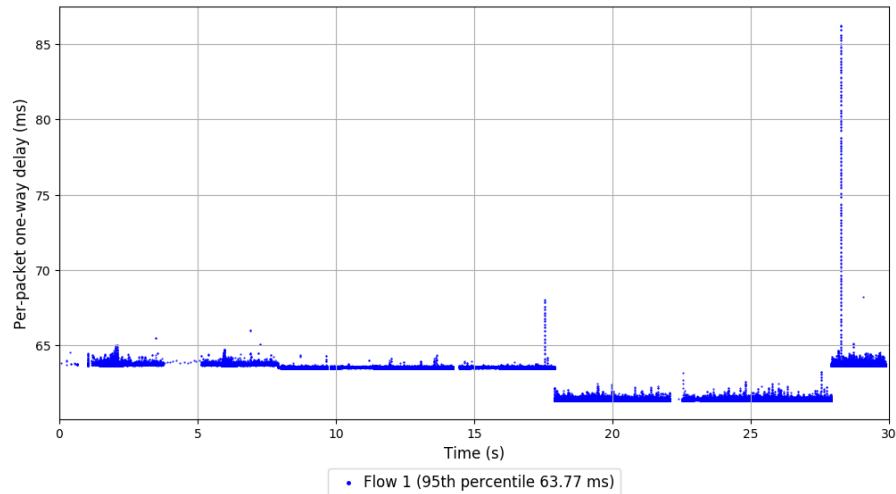
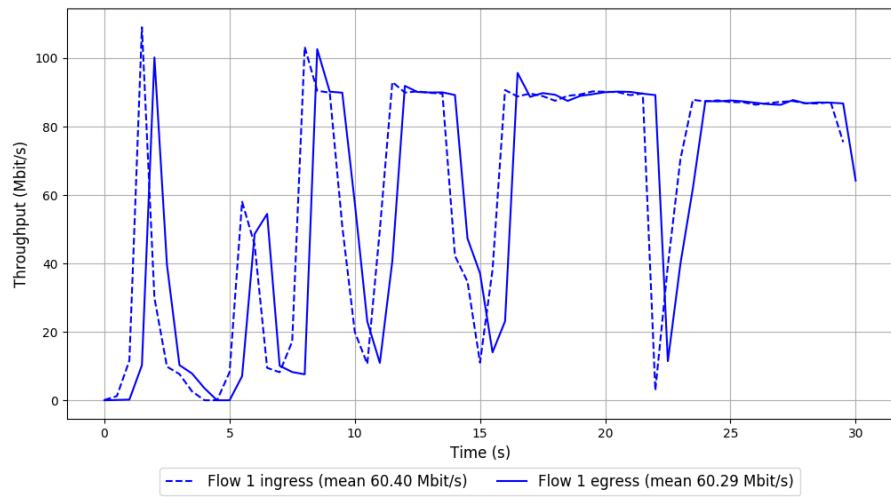


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-31 17:46:29
End at: 2018-05-31 17:46:59
Local clock offset: -0.004 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 63.772 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 63.772 ms
Loss rate: 0.62%
```

Run 2: Report of QUIC Cubic — Data Link

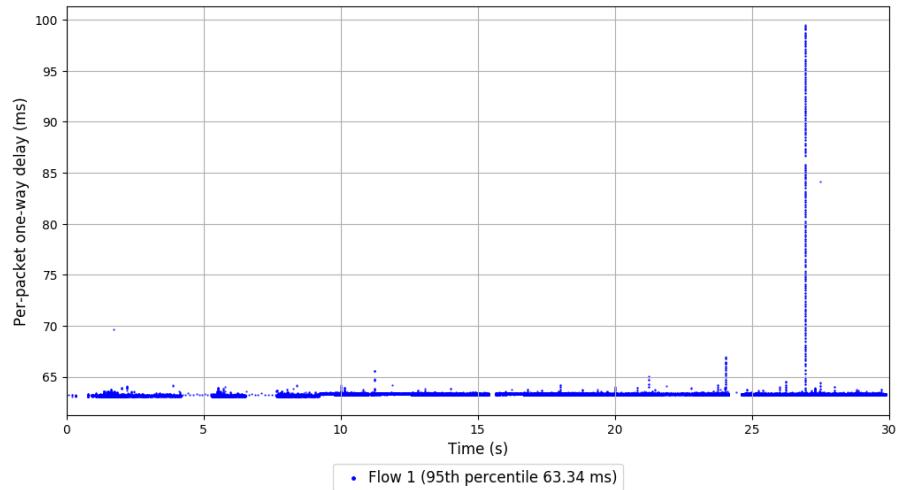
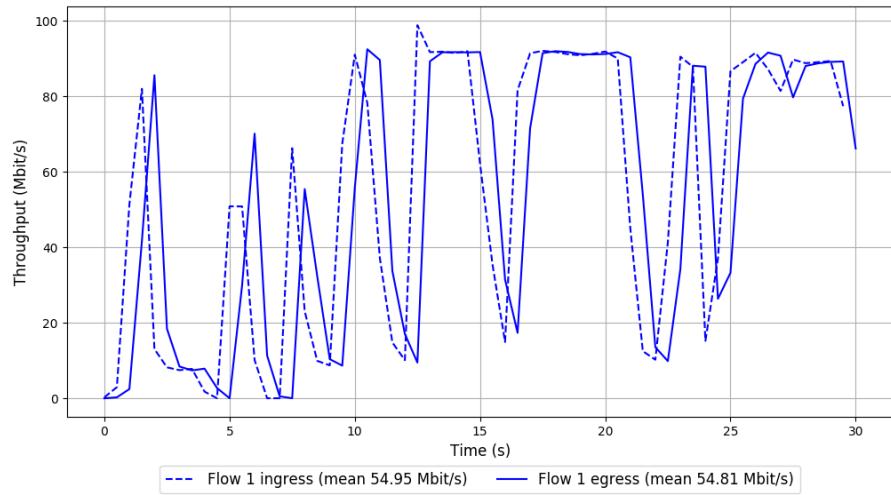


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-31 18:07:11
End at: 2018-05-31 18:07:41
Local clock offset: -0.031 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 63.343 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 63.343 ms
Loss rate: 0.69%
```

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

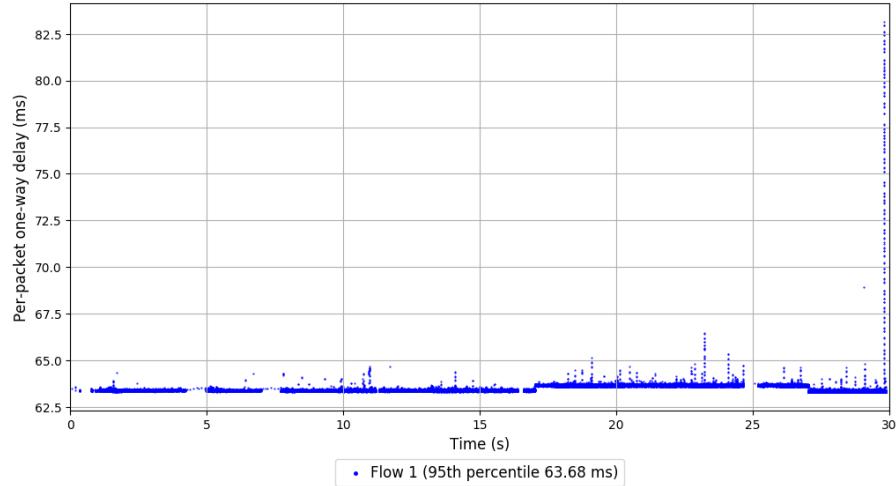
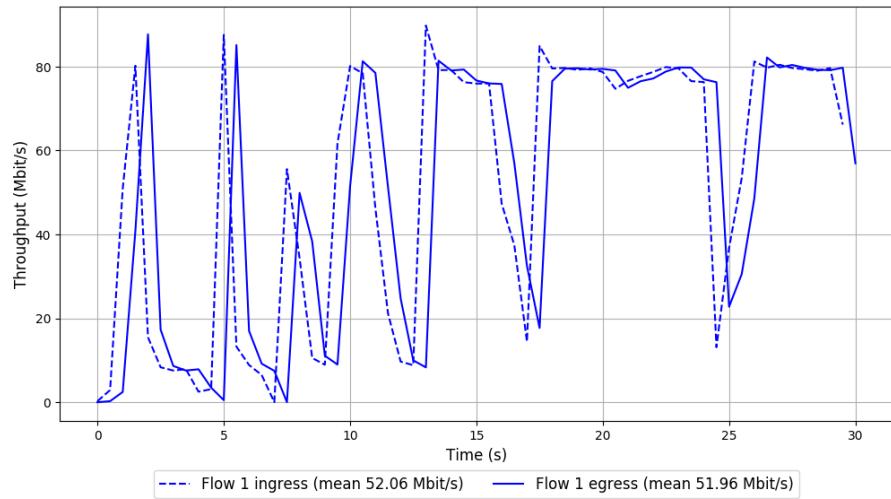


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-31 18:27:40
End at: 2018-05-31 18:28:10
Local clock offset: -0.039 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 63.676 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 63.676 ms
Loss rate: 0.62%
```

Run 4: Report of QUIC Cubic — Data Link

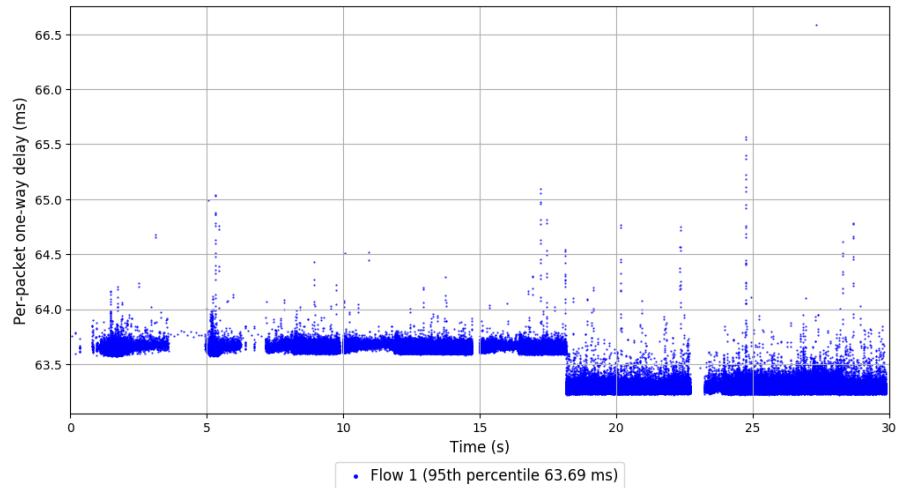
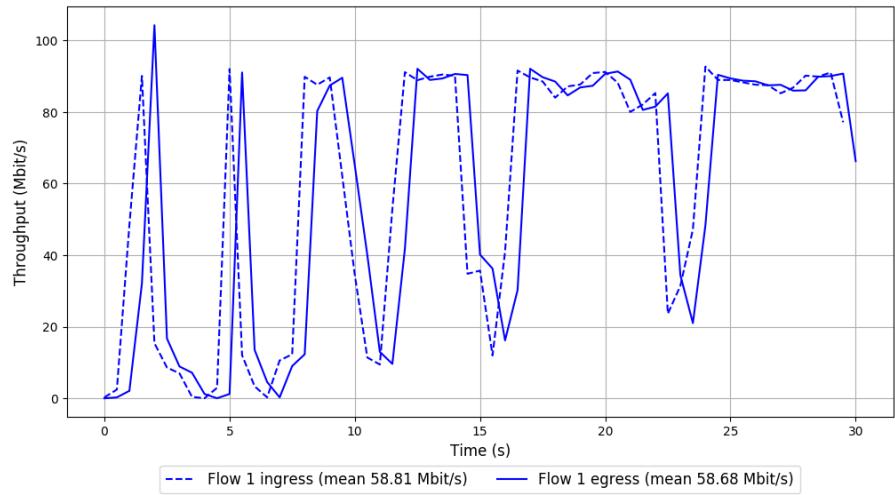


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-31 18:48:22
End at: 2018-05-31 18:48:52
Local clock offset: -0.063 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.68 Mbit/s
95th percentile per-packet one-way delay: 63.691 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 58.68 Mbit/s
95th percentile per-packet one-way delay: 63.691 ms
Loss rate: 0.64%
```

Run 5: Report of QUIC Cubic — Data Link

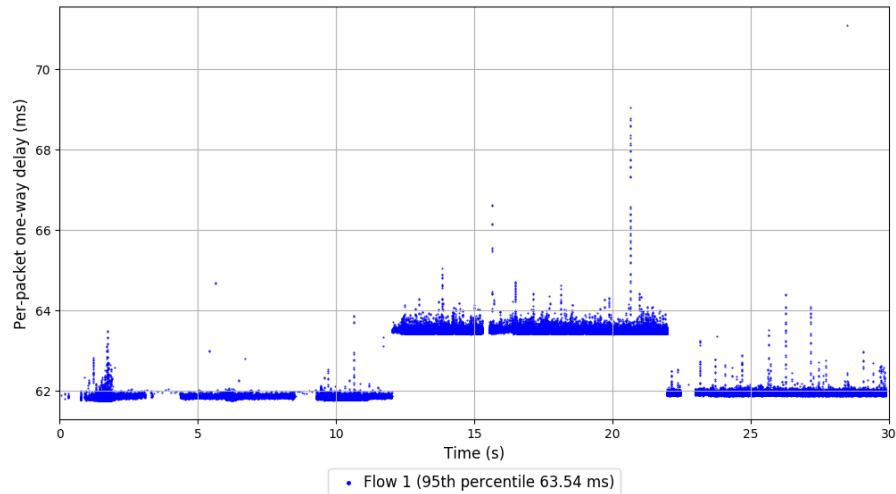
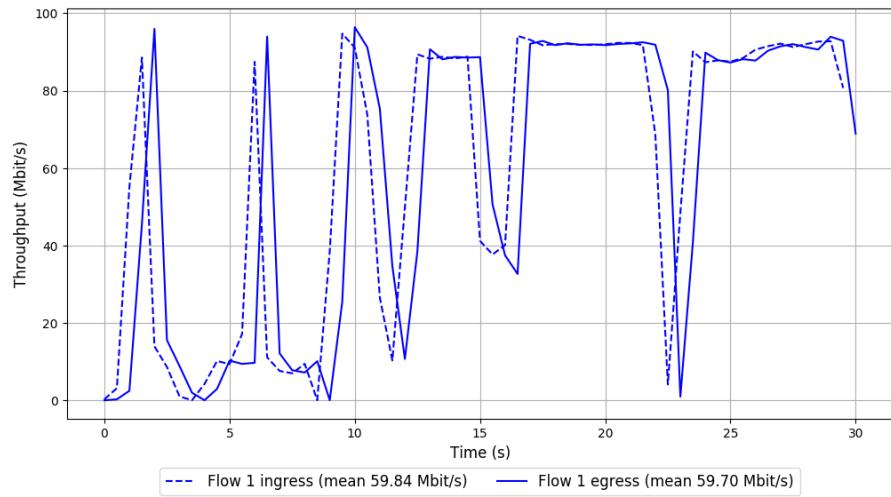


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-31 19:09:15
End at: 2018-05-31 19:09:45
Local clock offset: -0.061 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.70 Mbit/s
95th percentile per-packet one-way delay: 63.541 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 59.70 Mbit/s
95th percentile per-packet one-way delay: 63.541 ms
Loss rate: 0.65%
```

Run 6: Report of QUIC Cubic — Data Link

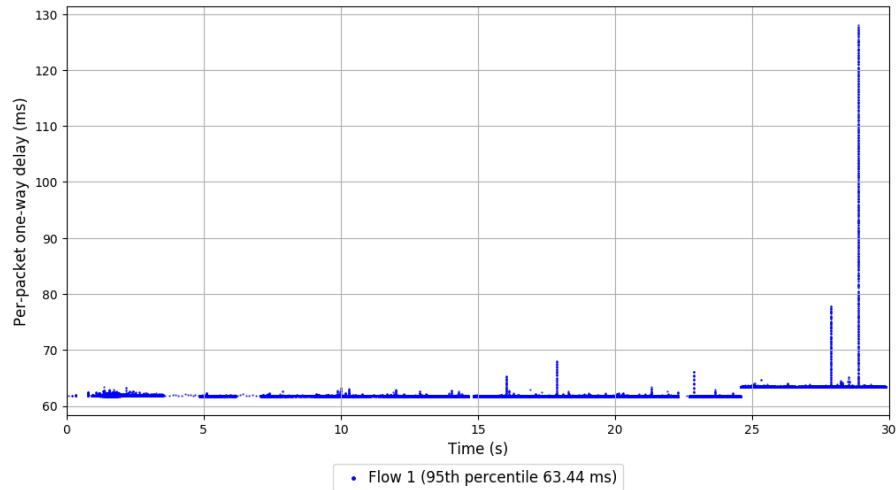
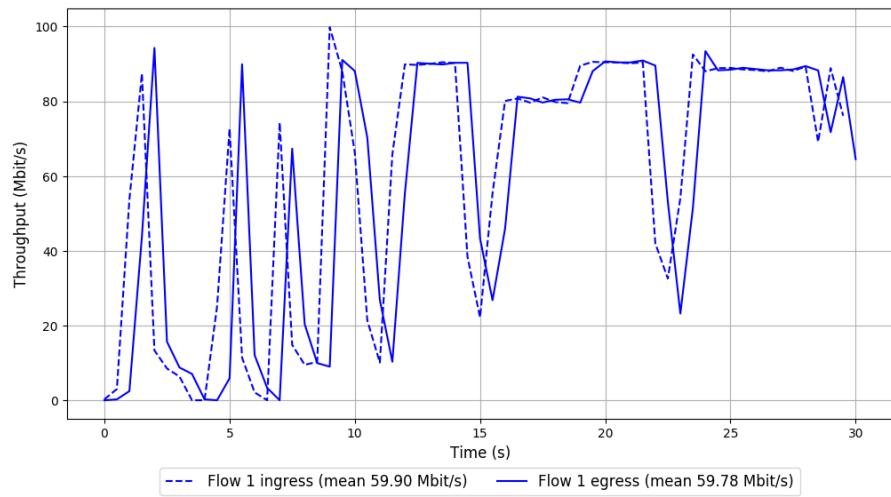


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-31 19:29:33
End at: 2018-05-31 19:30:03
Local clock offset: -0.051 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 63.435 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 63.435 ms
Loss rate: 0.63%
```

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

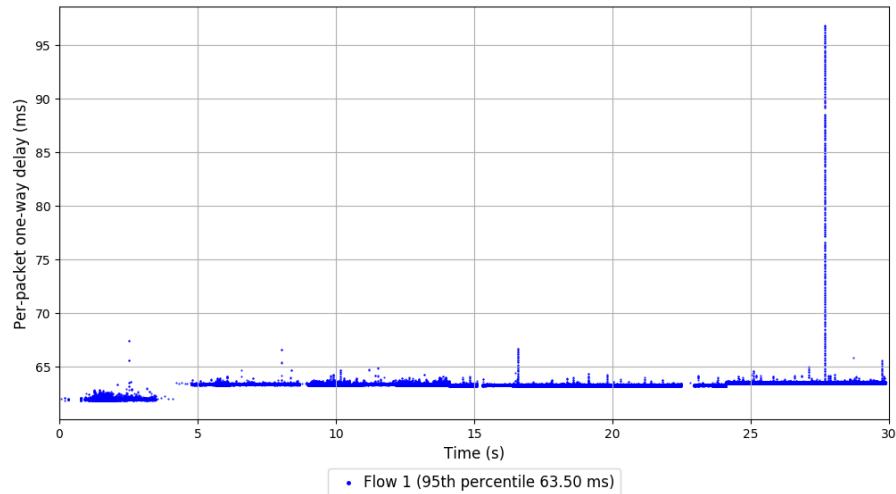
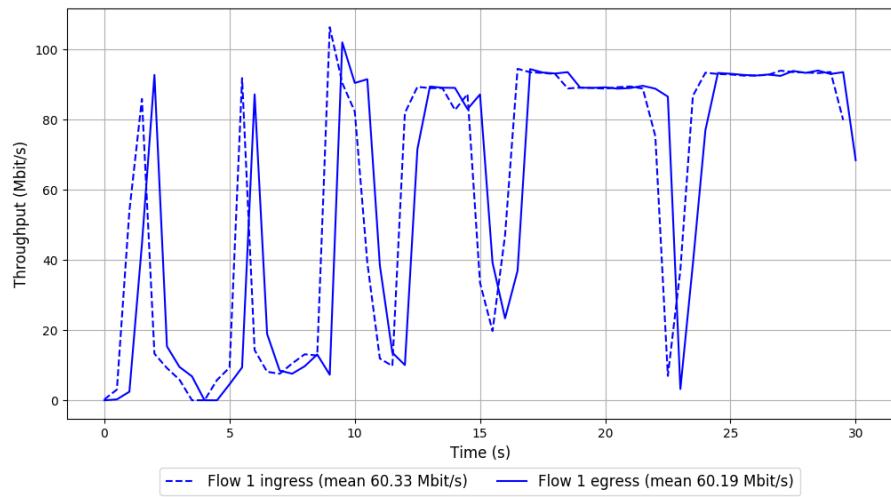


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-31 19:50:03
End at: 2018-05-31 19:50:33
Local clock offset: -0.056 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 63.501 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 63.501 ms
Loss rate: 0.65%
```

Run 8: Report of QUIC Cubic — Data Link

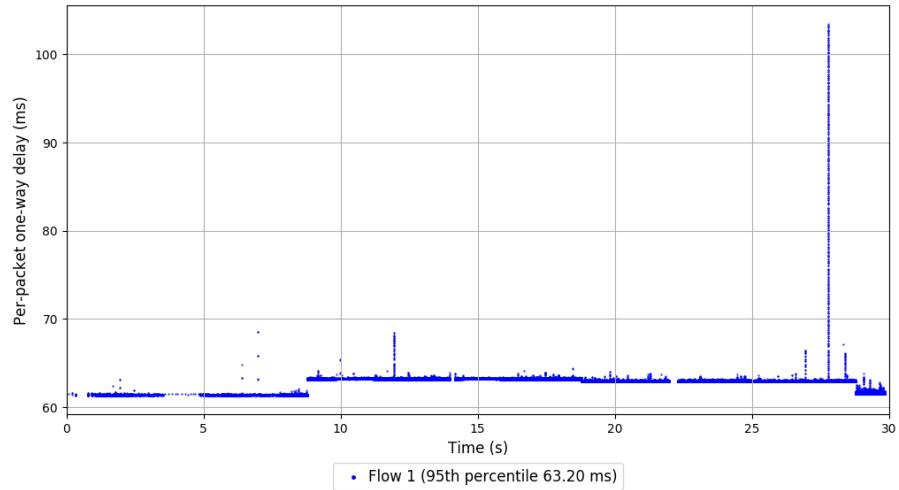
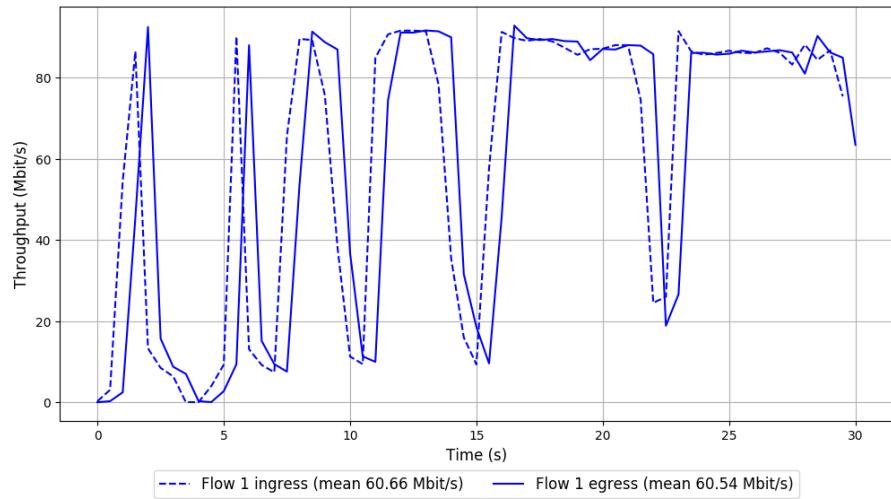


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-31 20:10:39
End at: 2018-05-31 20:11:09
Local clock offset: -0.015 ms
Remote clock offset: 0.307 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 63.205 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 63.205 ms
Loss rate: 0.63%
```

Run 9: Report of QUIC Cubic — Data Link

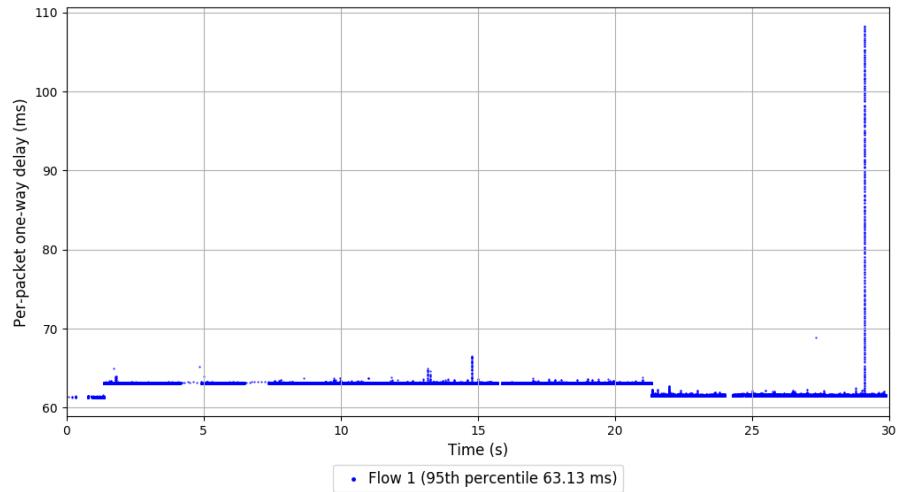
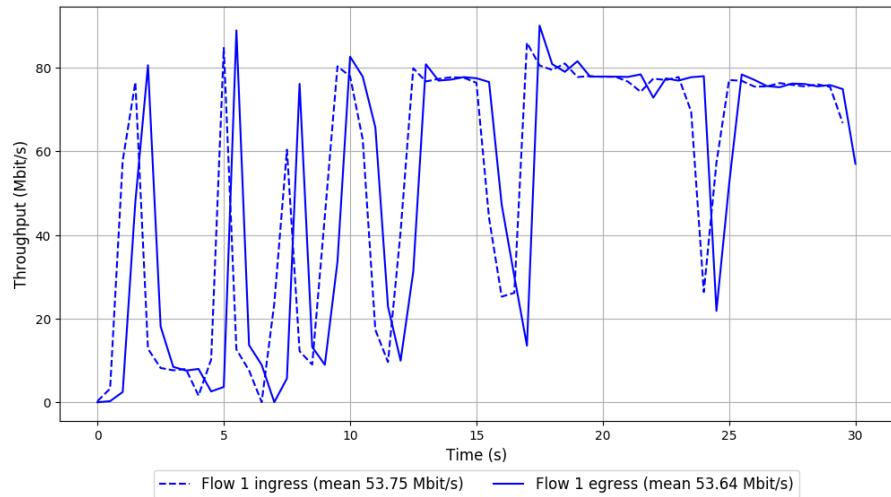


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-31 20:31:26
End at: 2018-05-31 20:31:56
Local clock offset: 0.031 ms
Remote clock offset: 0.158 ms

# Below is generated by plot.py at 2018-05-31 22:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 0.61%
```

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

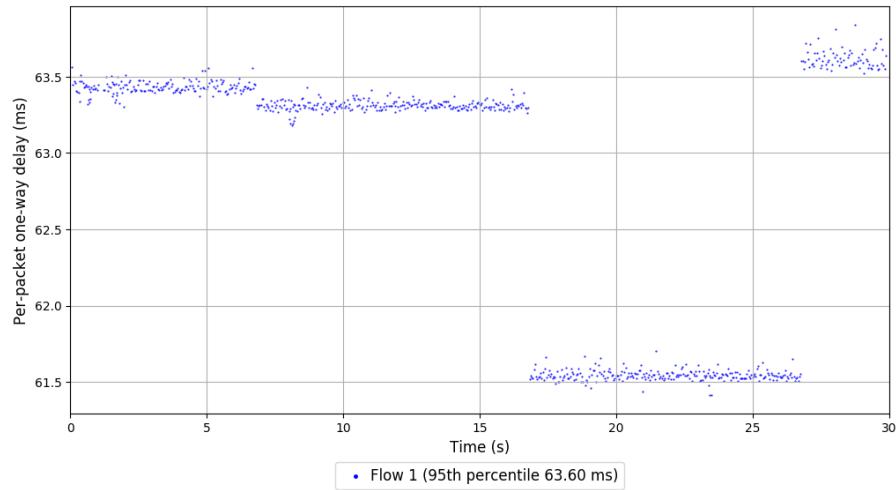
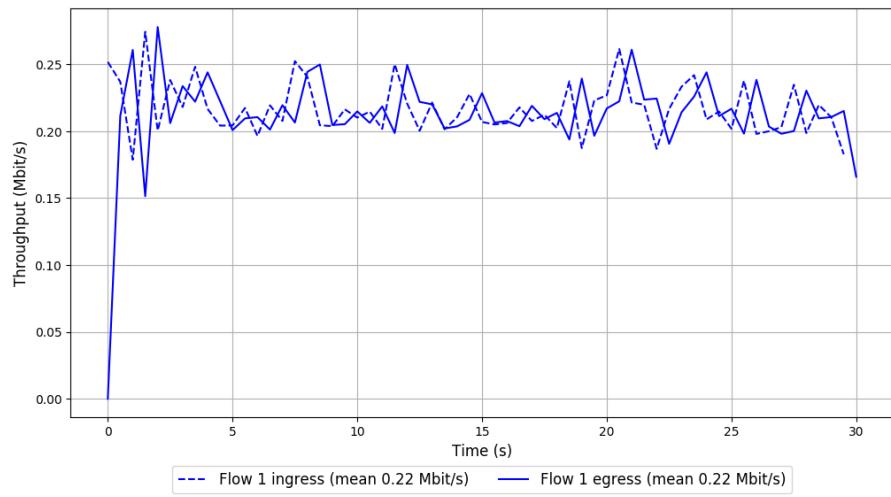


```
Run 1: Statistics of SCReAM

Start at: 2018-05-31 17:23:20
End at: 2018-05-31 17:23:51
Local clock offset: 0.012 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.605 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.605 ms
Loss rate: 0.38%
```

Run 1: Report of SCReAM — Data Link

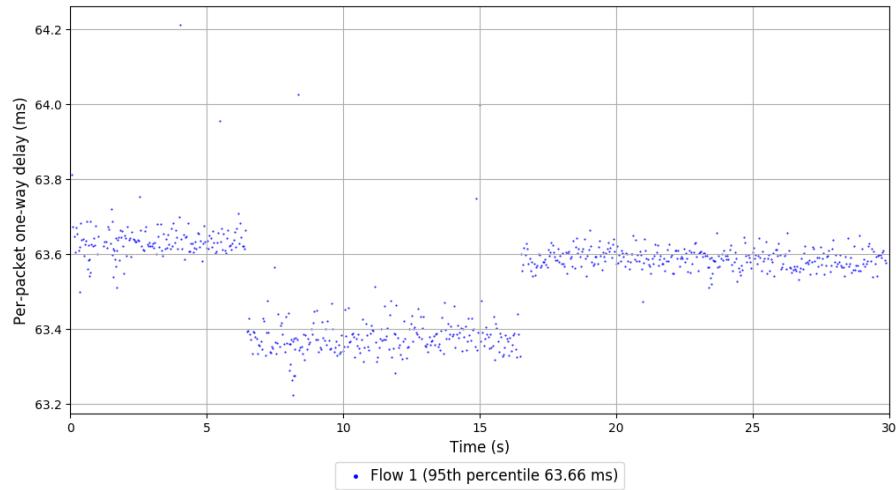
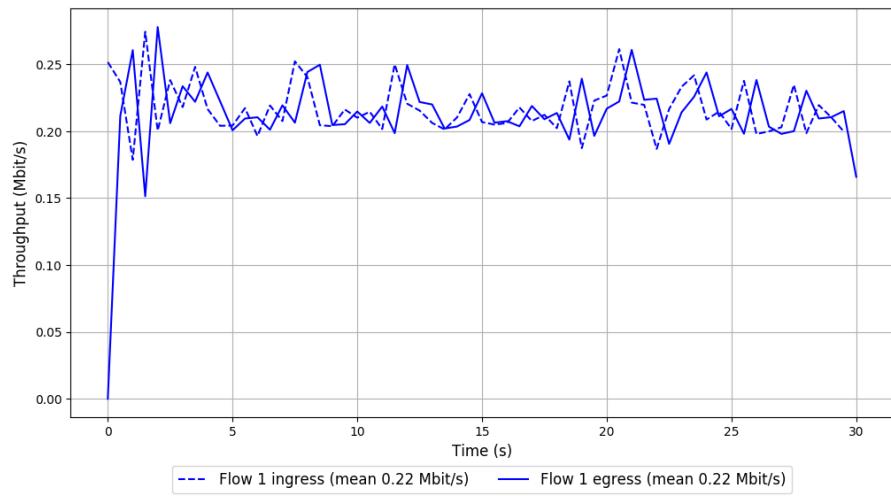


Run 2: Statistics of SCReAM

```
Start at: 2018-05-31 17:44:04
End at: 2018-05-31 17:44:34
Local clock offset: -0.027 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.662 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.662 ms
Loss rate: 0.51%
```

Run 2: Report of SCReAM — Data Link

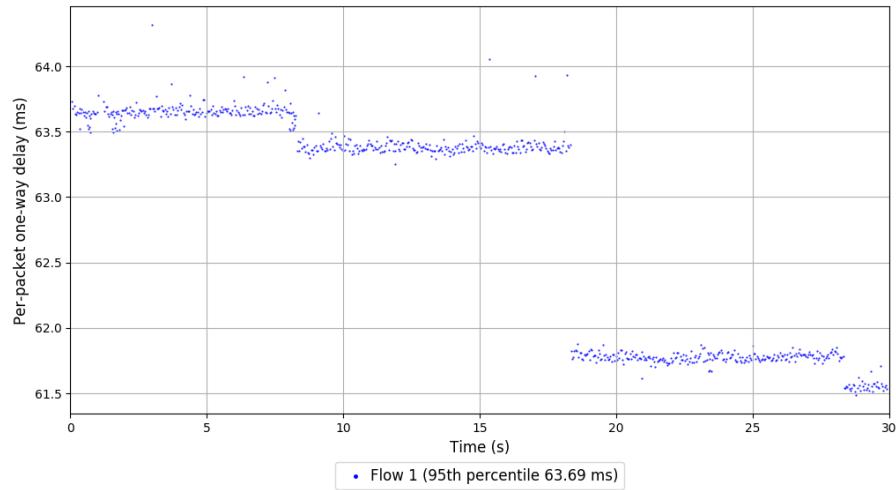
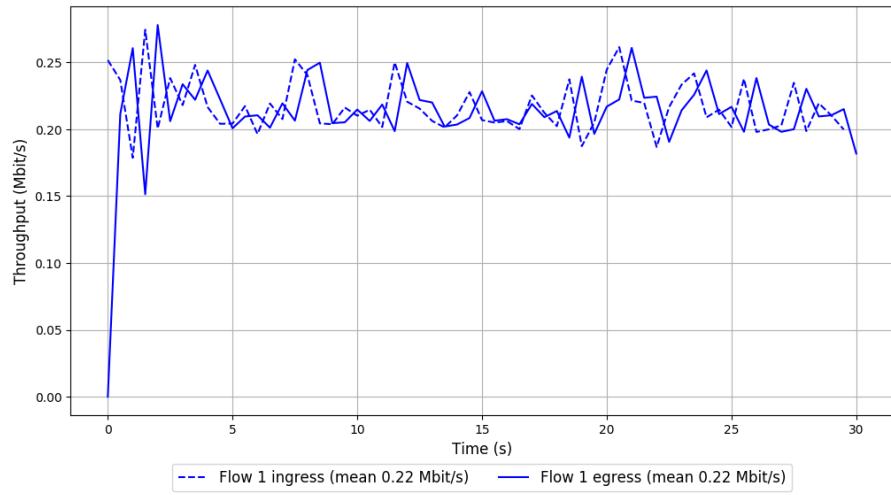


Run 3: Statistics of SCReAM

```
Start at: 2018-05-31 18:04:42
End at: 2018-05-31 18:05:12
Local clock offset: -0.035 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.692 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.692 ms
Loss rate: 0.39%
```

Run 3: Report of SCReAM — Data Link

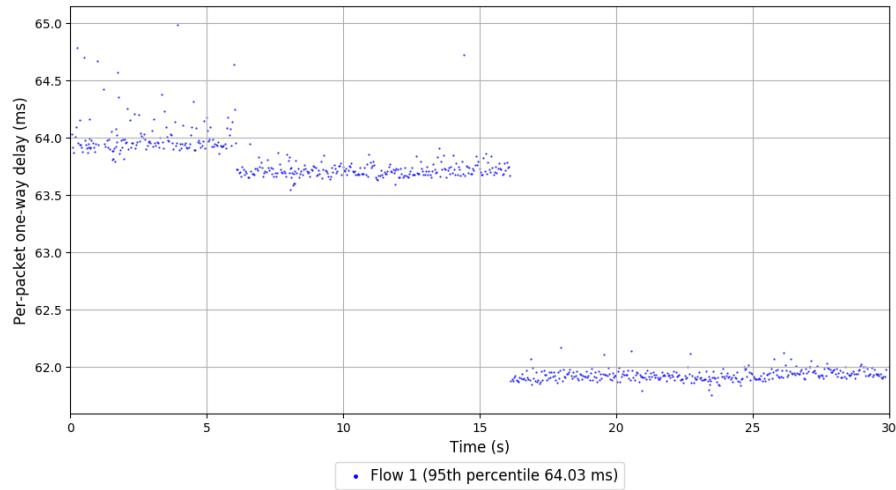
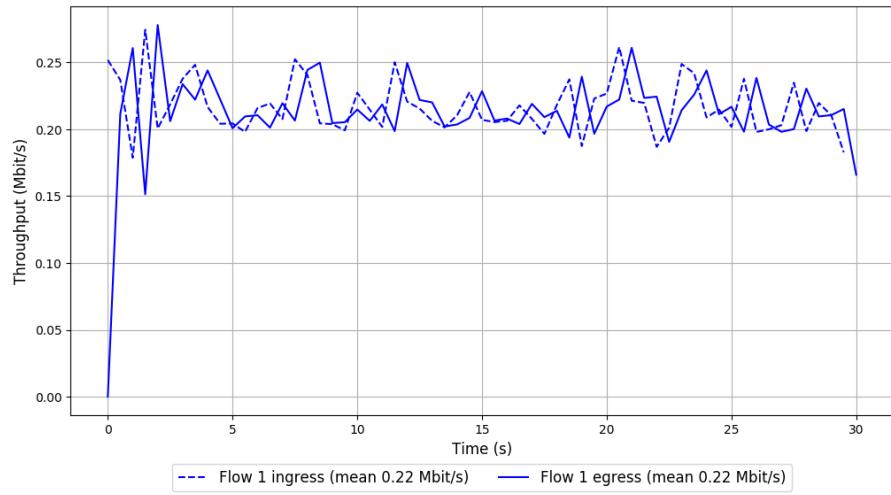


Run 4: Statistics of SCReAM

```
Start at: 2018-05-31 18:25:14
End at: 2018-05-31 18:25:44
Local clock offset: -0.046 ms
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.029 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.029 ms
Loss rate: 0.38%
```

Run 4: Report of SCReAM — Data Link

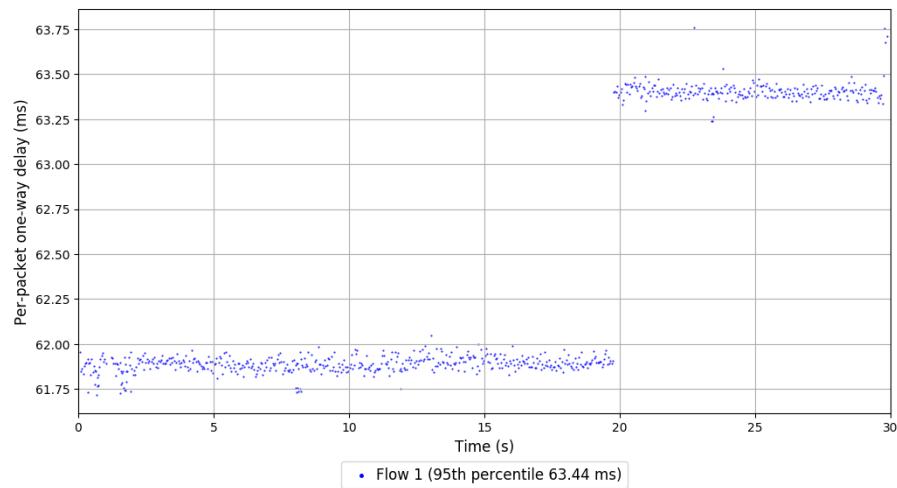
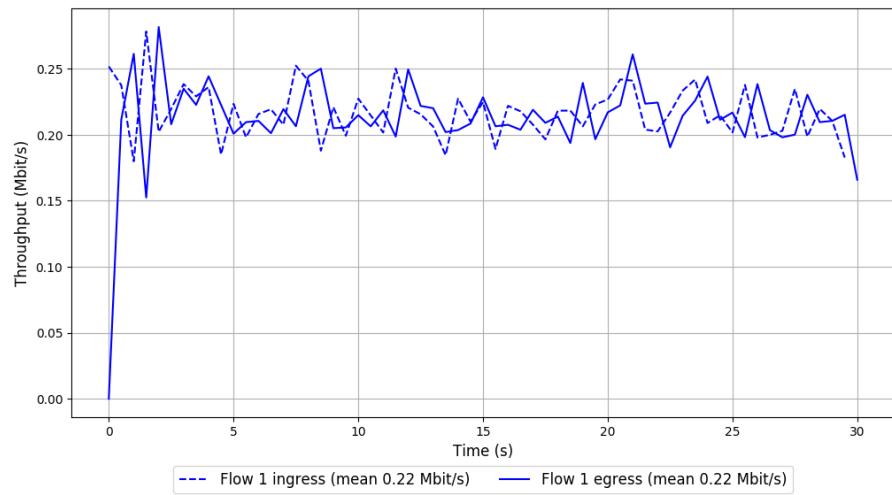


Run 5: Statistics of SCReAM

```
Start at: 2018-05-31 18:45:58
End at: 2018-05-31 18:46:28
Local clock offset: -0.097 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.435 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.435 ms
Loss rate: 0.38%
```

Run 5: Report of SCReAM — Data Link

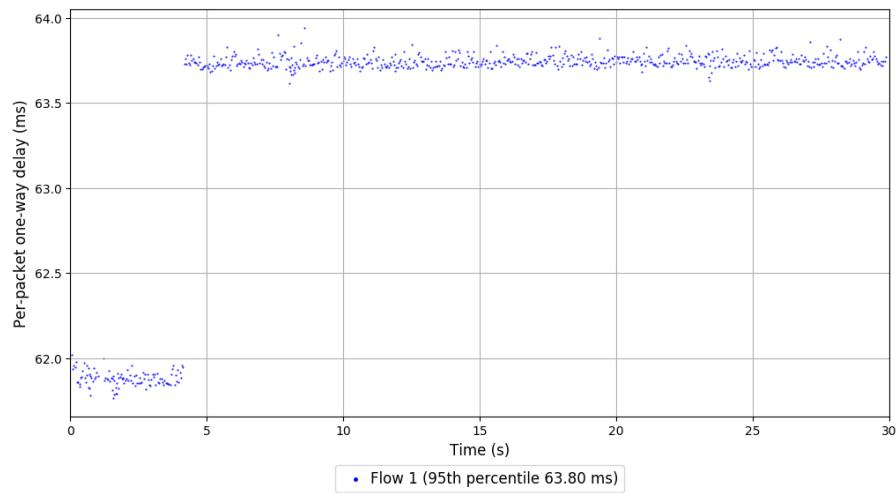
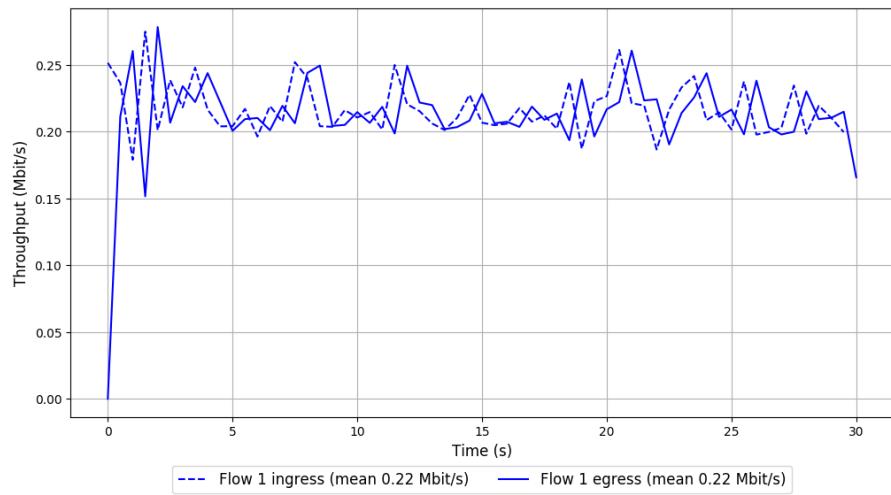


Run 6: Statistics of SCReAM

```
Start at: 2018-05-31 19:06:43
End at: 2018-05-31 19:07:13
Local clock offset: -0.094 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.804 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.804 ms
Loss rate: 0.51%
```

Run 6: Report of SCReAM — Data Link

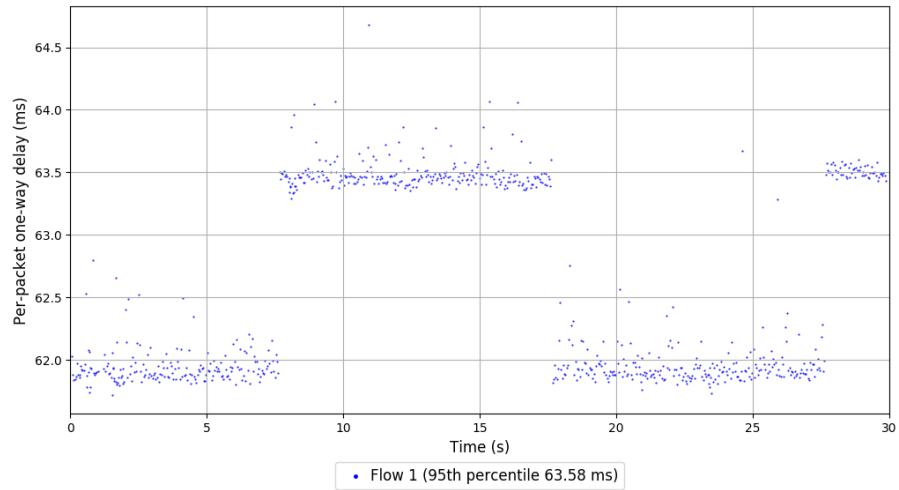
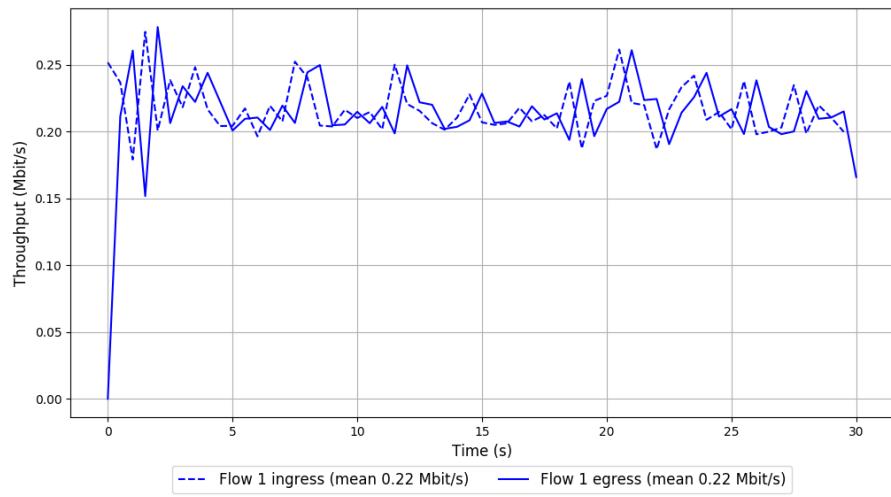


Run 7: Statistics of SCReAM

```
Start at: 2018-05-31 19:27:20
End at: 2018-05-31 19:27:50
Local clock offset: -0.086 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.578 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.578 ms
Loss rate: 0.51%
```

Run 7: Report of SCReAM — Data Link

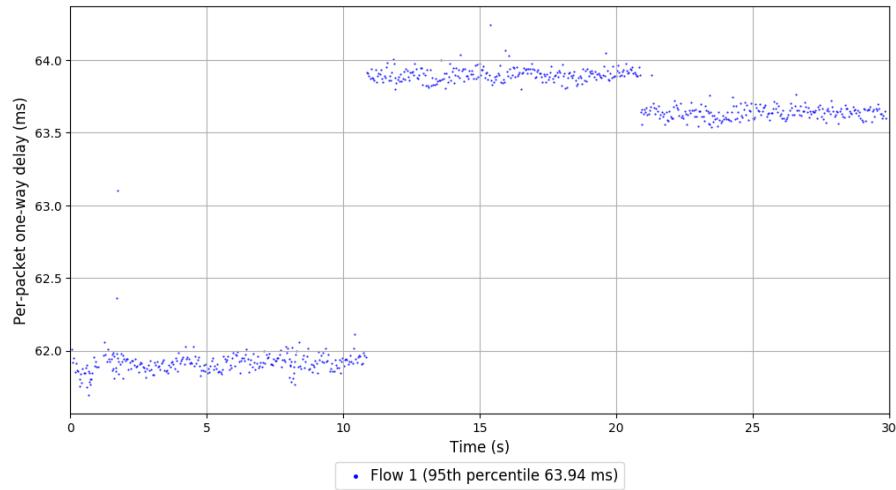
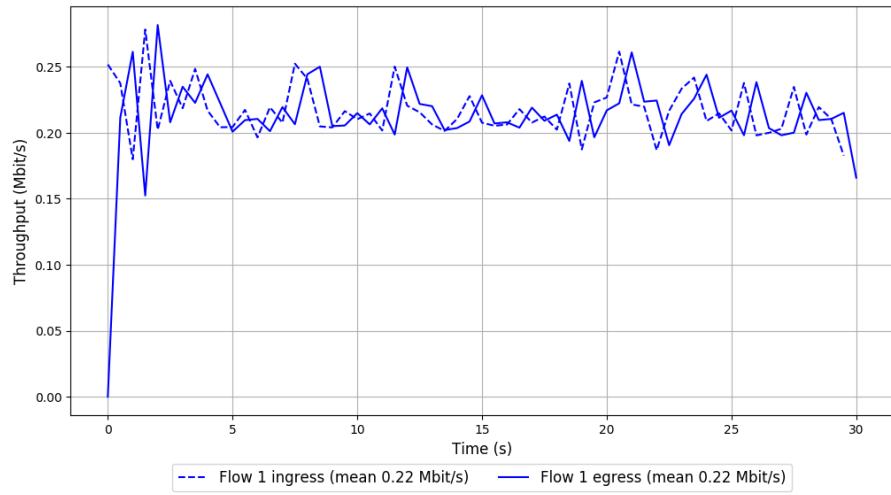


Run 8: Statistics of SCReAM

```
Start at: 2018-05-31 19:47:46
End at: 2018-05-31 19:48:17
Local clock offset: -0.048 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.941 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.941 ms
Loss rate: 0.38%
```

Run 8: Report of SCReAM — Data Link

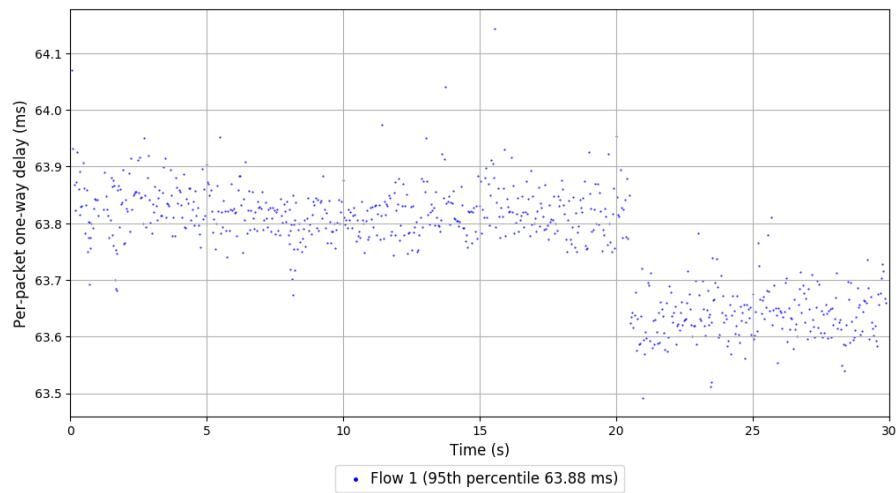
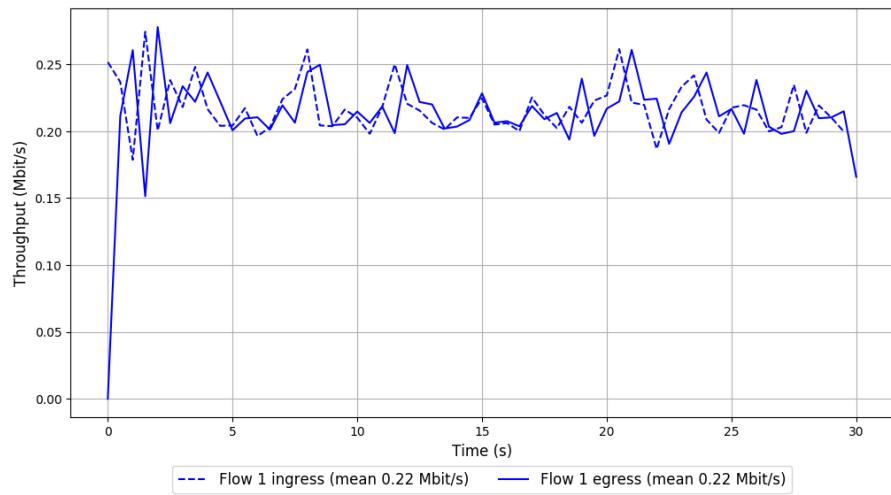


Run 9: Statistics of SCReAM

```
Start at: 2018-05-31 20:08:07
End at: 2018-05-31 20:08:37
Local clock offset: 0.017 ms
Remote clock offset: -0.196 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.884 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.884 ms
Loss rate: 0.51%
```

Run 9: Report of SCReAM — Data Link

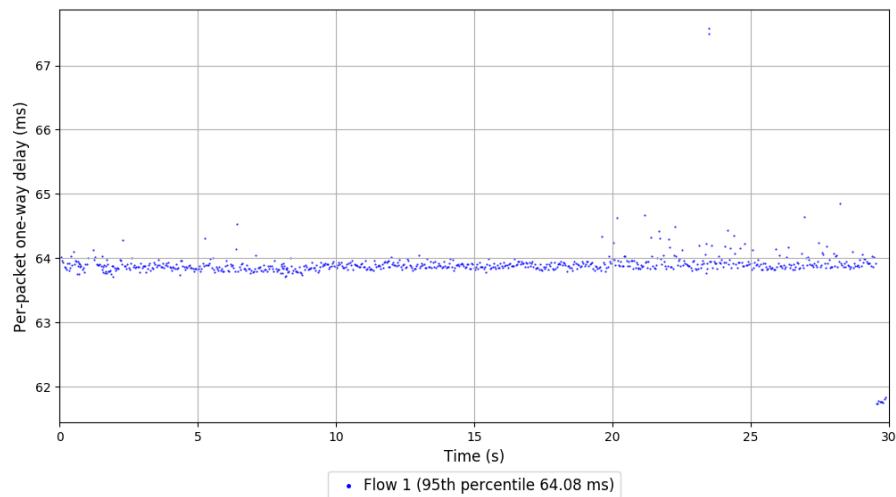
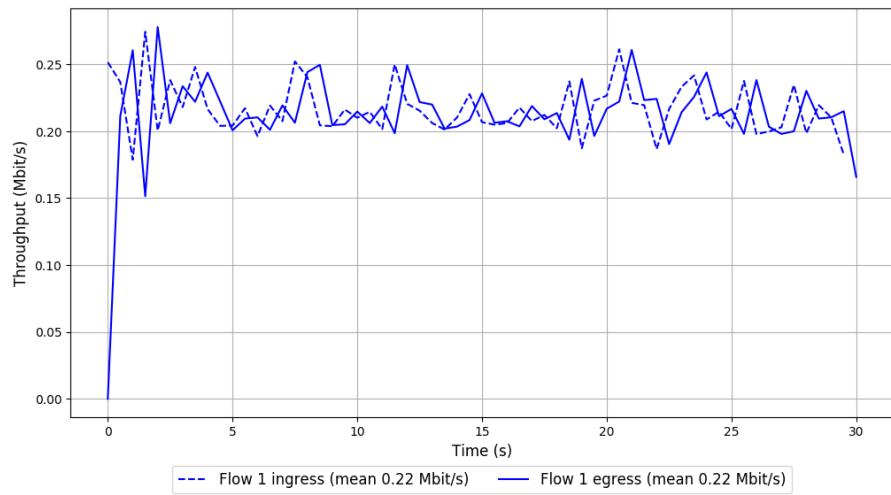


Run 10: Statistics of SCReAM

```
Start at: 2018-05-31 20:28:58
End at: 2018-05-31 20:29:28
Local clock offset: 0.033 ms
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.075 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.075 ms
Loss rate: 0.38%
```

Run 10: Report of SCReAM — Data Link

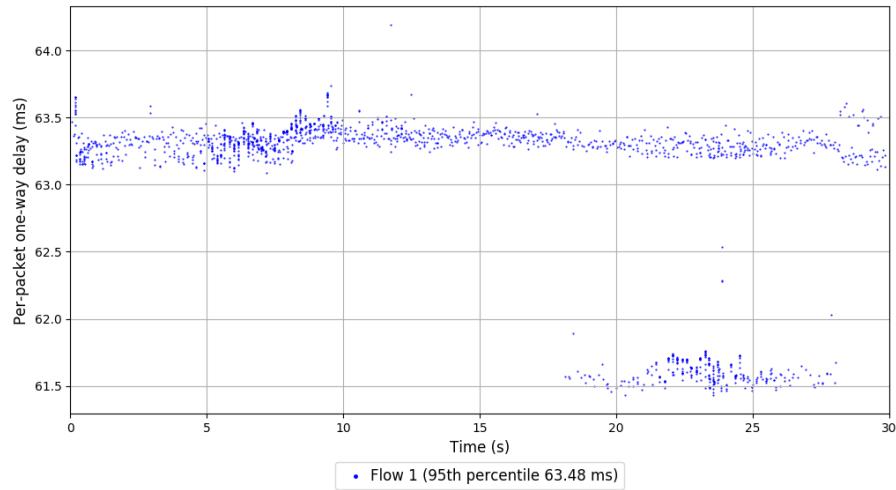
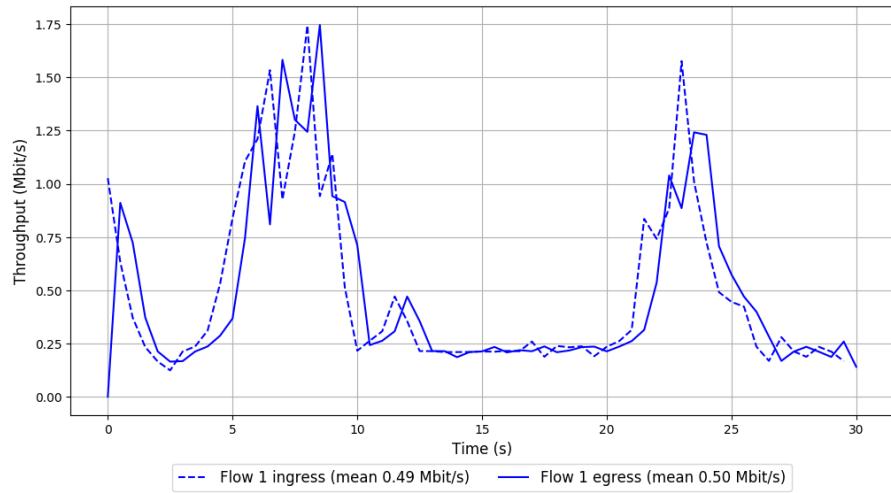


Run 1: Statistics of Sprout

```
Start at: 2018-05-31 17:28:09
End at: 2018-05-31 17:28:39
Local clock offset: 0.013 ms
Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 63.480 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 63.480 ms
Loss rate: 0.17%
```

## Run 1: Report of Sprout — Data Link

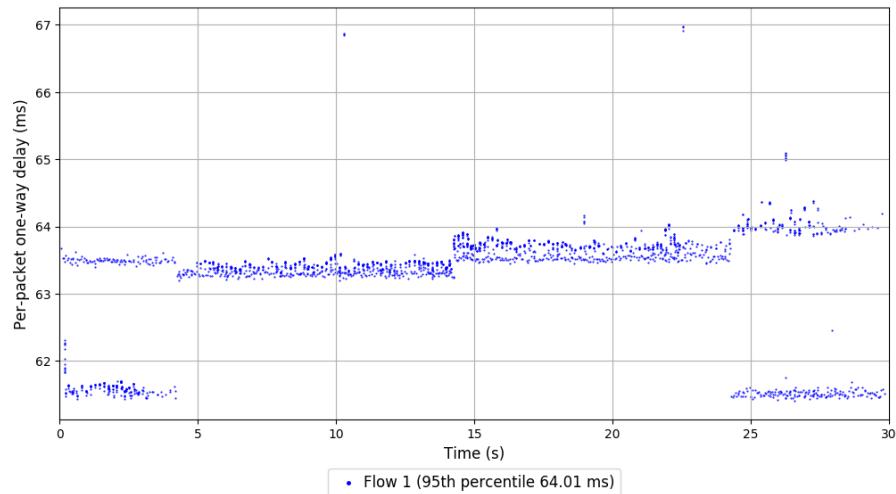
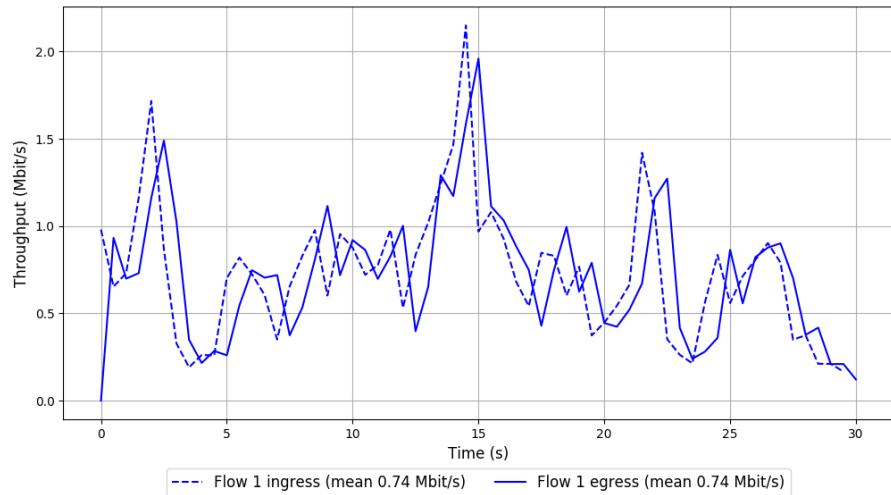


Run 2: Statistics of Sprout

```
Start at: 2018-05-31 17:48:53
End at: 2018-05-31 17:49:23
Local clock offset: -0.006 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 64.012 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 64.012 ms
Loss rate: 0.16%
```

## Run 2: Report of Sprout — Data Link

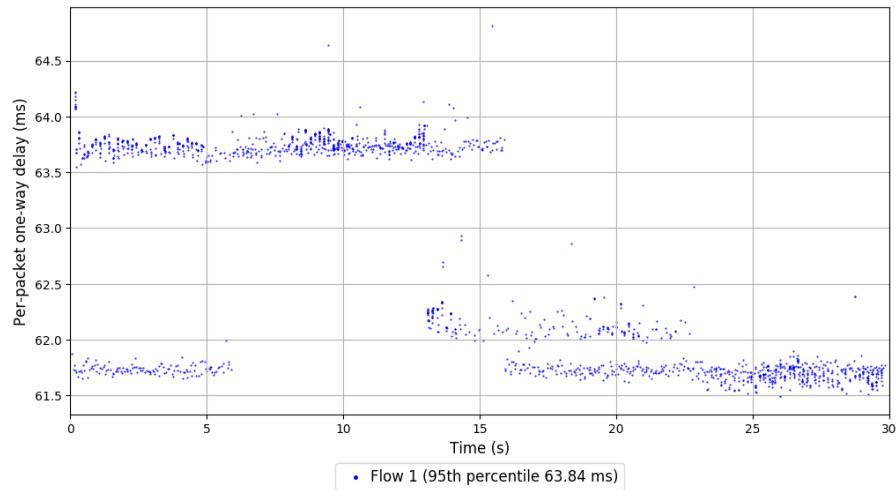
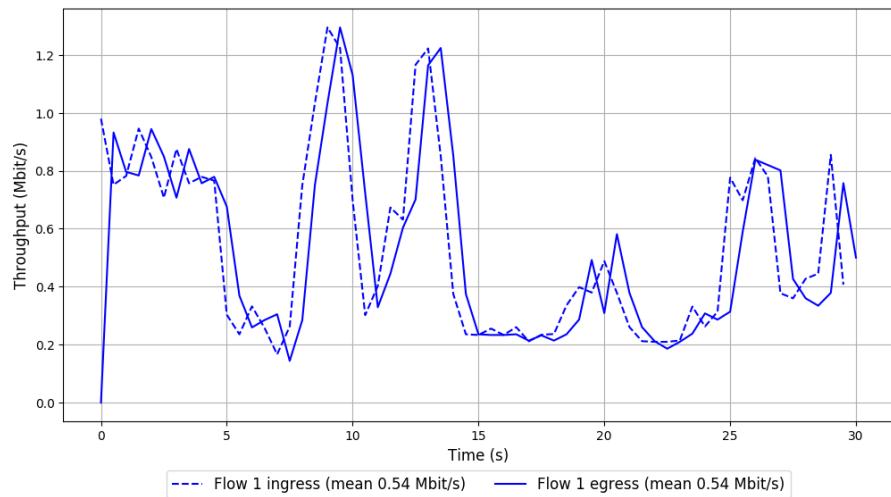


Run 3: Statistics of Sprout

```
Start at: 2018-05-31 18:09:34
End at: 2018-05-31 18:10:04
Local clock offset: -0.011 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 63.841 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 63.841 ms
Loss rate: 0.51%
```

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

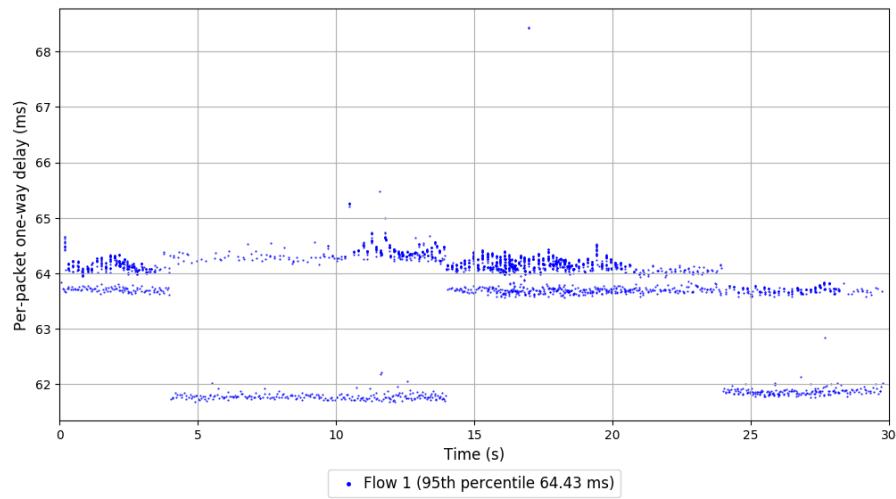
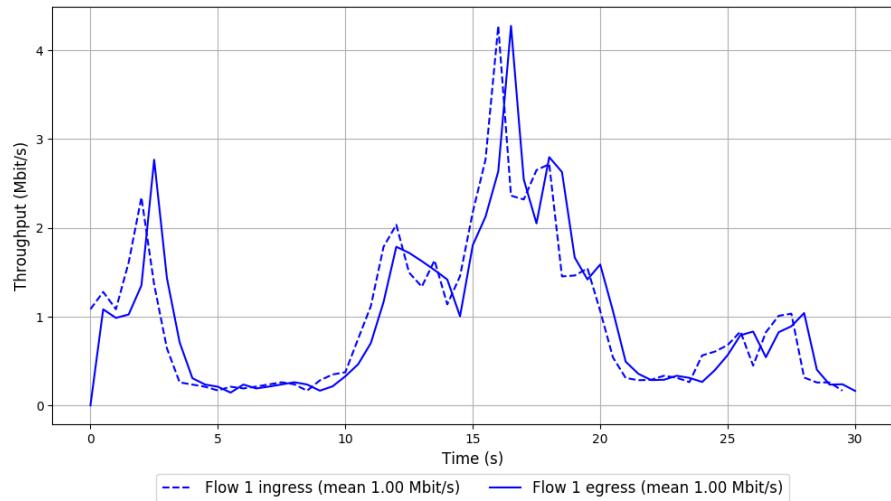


Run 4: Statistics of Sprout

```
Start at: 2018-05-31 18:30:03
End at: 2018-05-31 18:30:33
Local clock offset: -0.045 ms
Remote clock offset: -0.318 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 64.429 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 64.429 ms
Loss rate: 0.12%
```

## Run 4: Report of Sprout — Data Link

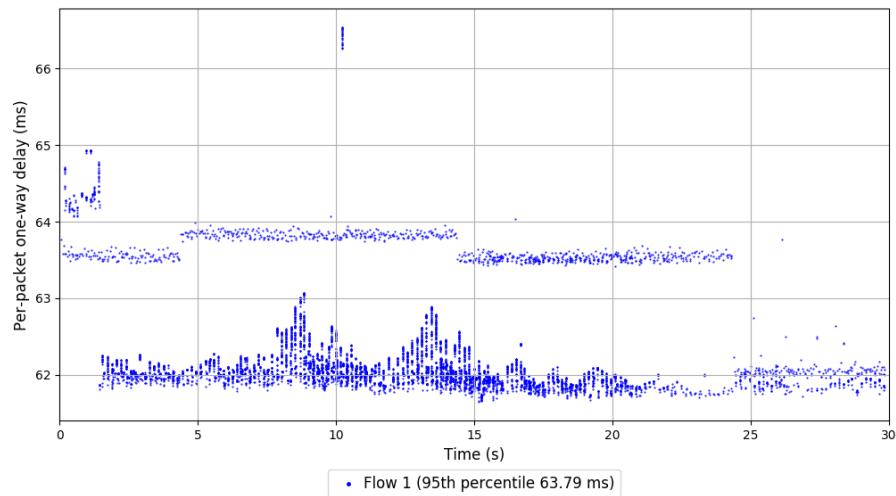
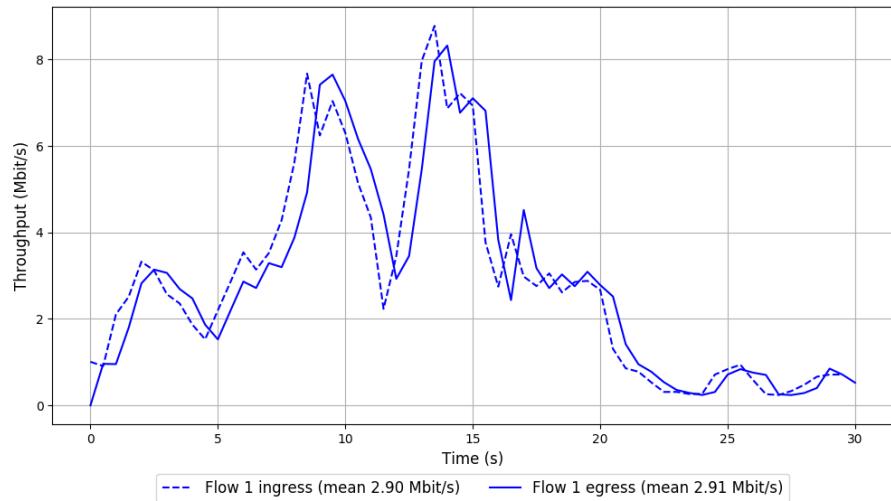


Run 5: Statistics of Sprout

```
Start at: 2018-05-31 18:50:46
End at: 2018-05-31 18:51:16
Local clock offset: -0.002 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 63.793 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 63.793 ms
Loss rate: 0.11%
```

Run 5: Report of Sprout — Data Link

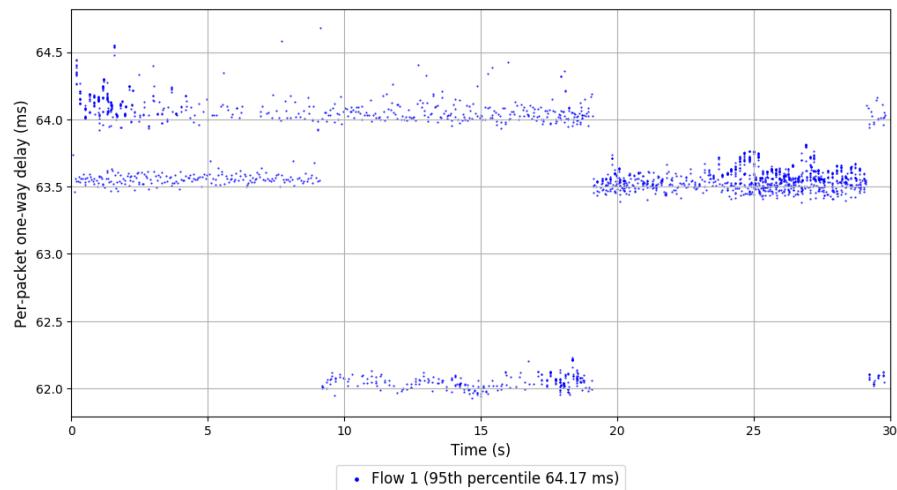
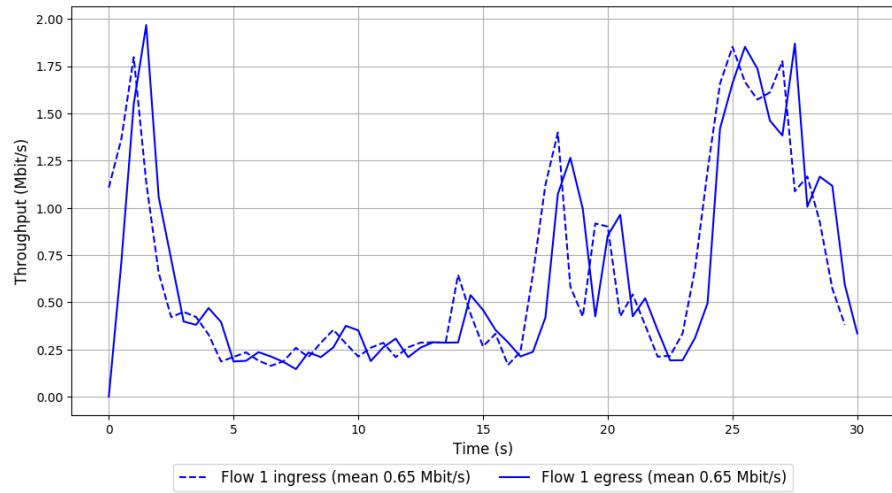


Run 6: Statistics of Sprout

```
Start at: 2018-05-31 19:11:38
End at: 2018-05-31 19:12:08
Local clock offset: -0.094 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 64.165 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 64.165 ms
Loss rate: 0.43%
```

## Run 6: Report of Sprout — Data Link

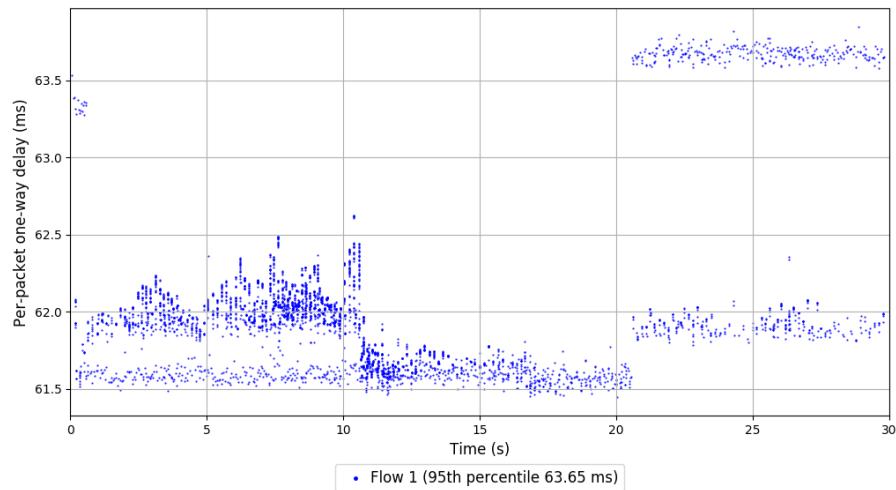
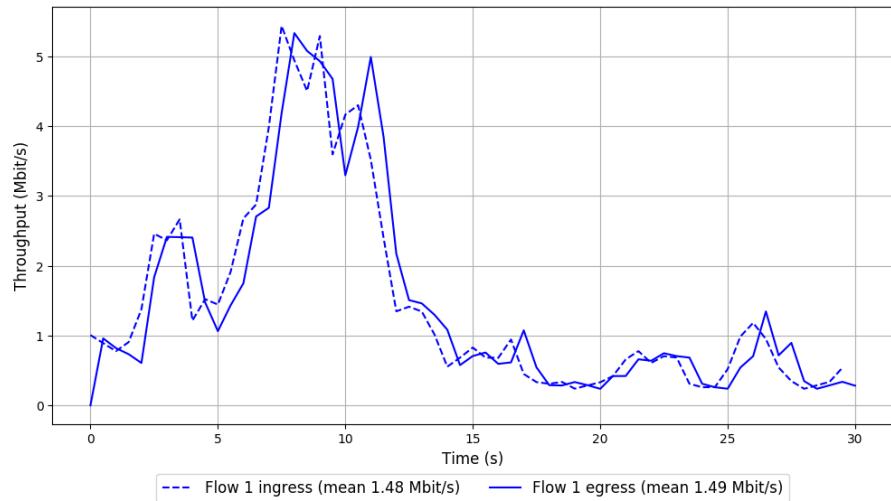


Run 7: Statistics of Sprout

```
Start at: 2018-05-31 19:31:57
End at: 2018-05-31 19:32:27
Local clock offset: -0.063 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 63.645 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 63.645 ms
Loss rate: 0.29%
```

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

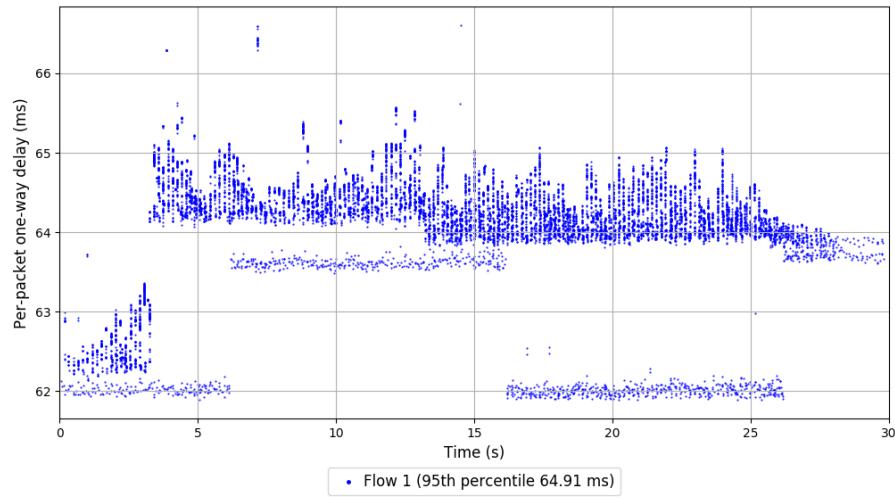
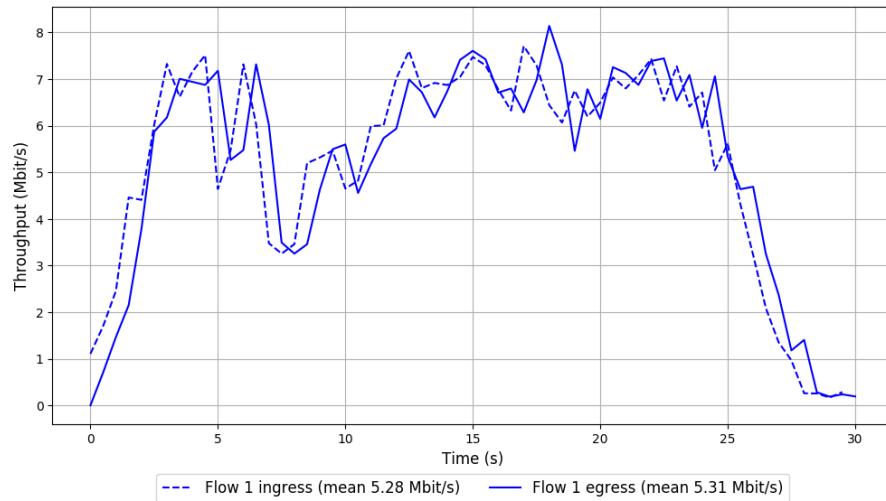


Run 8: Statistics of Sprout

```
Start at: 2018-05-31 19:52:24
End at: 2018-05-31 19:52:54
Local clock offset: -0.053 ms
Remote clock offset: -0.304 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 64.911 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 64.911 ms
Loss rate: 0.03%
```

Run 8: Report of Sprout — Data Link

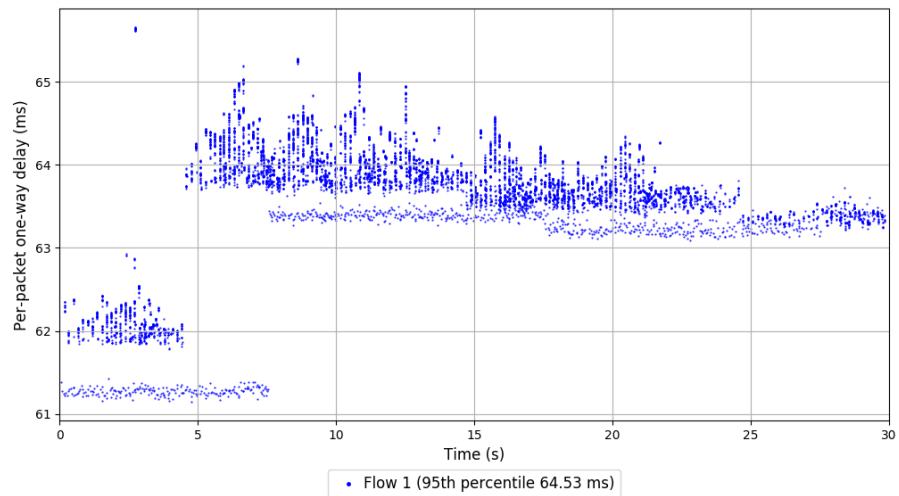
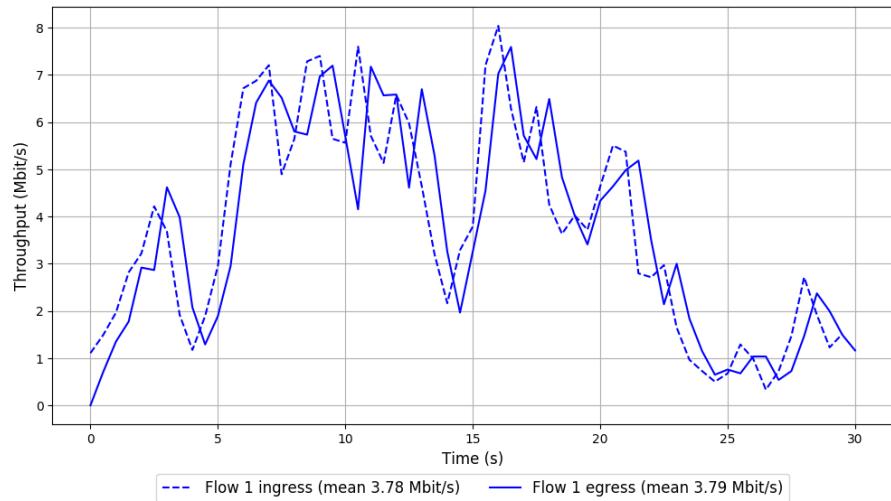


Run 9: Statistics of Sprout

```
Start at: 2018-05-31 20:13:13
End at: 2018-05-31 20:13:43
Local clock offset: -0.013 ms
Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 64.526 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 64.526 ms
Loss rate: 0.16%
```

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

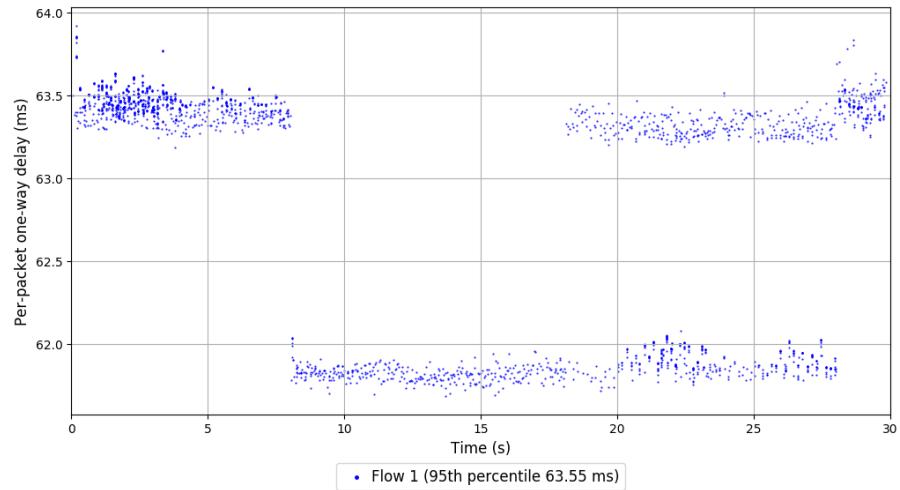
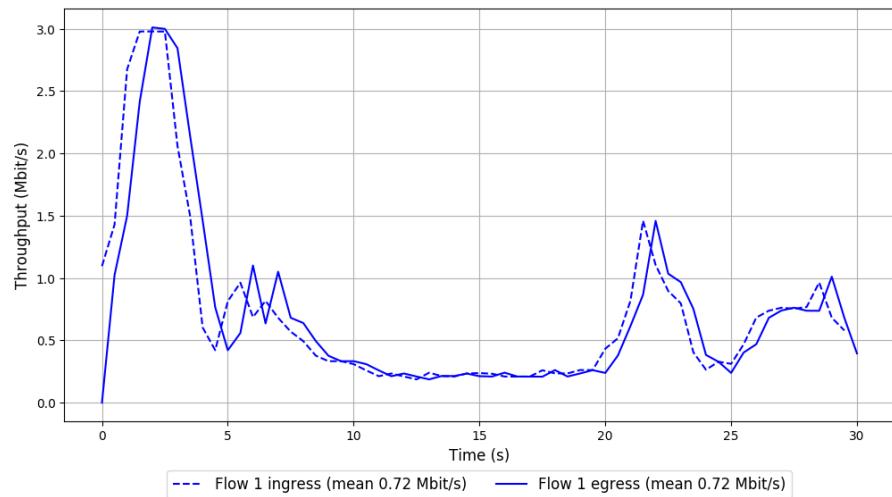


Run 10: Statistics of Sprout

```
Start at: 2018-05-31 20:33:49
End at: 2018-05-31 20:34:19
Local clock offset: 0.006 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 63.549 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 63.549 ms
Loss rate: 0.43%
```

Run 10: Report of Sprout — Data Link

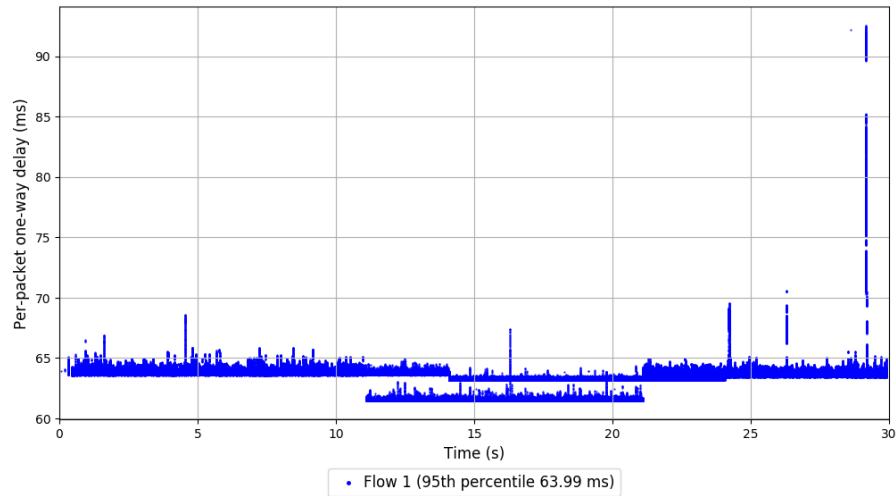
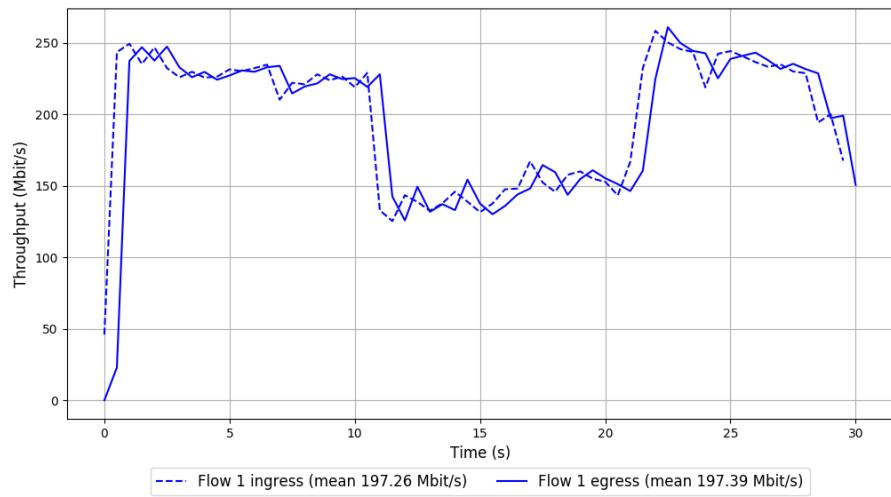


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-31 17:24:26
End at: 2018-05-31 17:24:56
Local clock offset: -0.008 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.39 Mbit/s
95th percentile per-packet one-way delay: 63.992 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 197.39 Mbit/s
95th percentile per-packet one-way delay: 63.992 ms
Loss rate: 0.36%
```

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

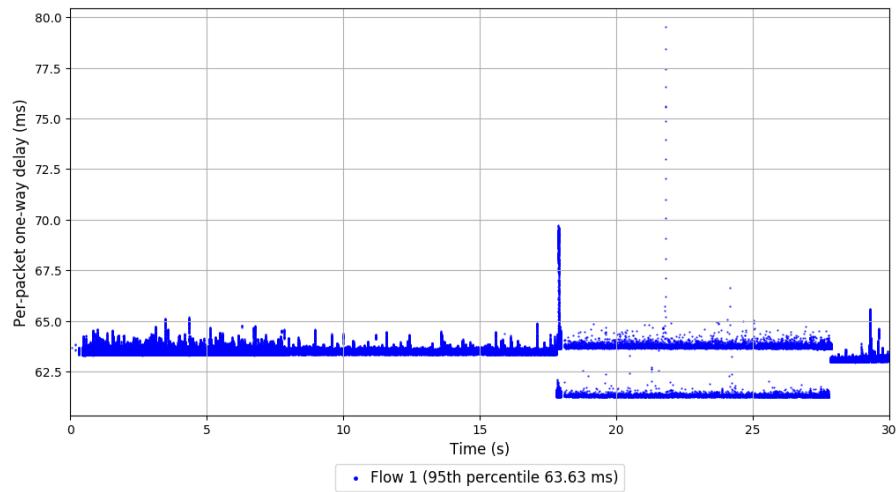
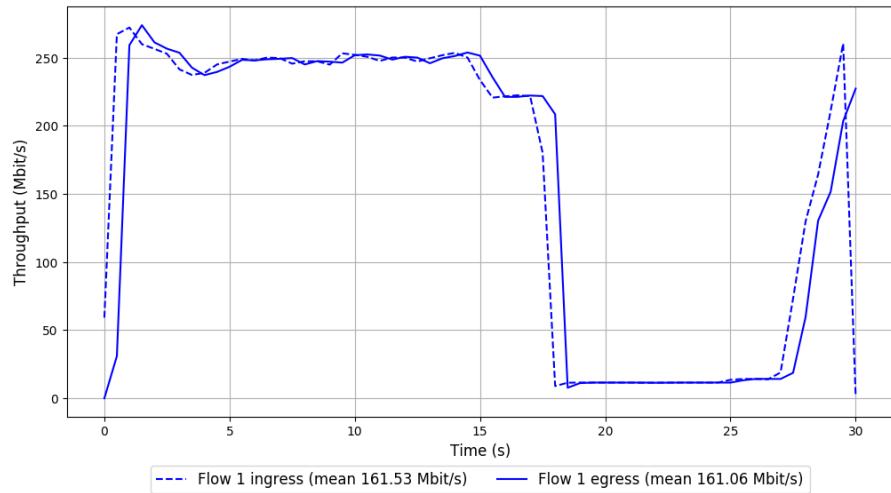


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-31 17:45:09
End at: 2018-05-31 17:45:40
Local clock offset: -0.007 ms
Remote clock offset: 0.112 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.06 Mbit/s
95th percentile per-packet one-way delay: 63.631 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 161.06 Mbit/s
95th percentile per-packet one-way delay: 63.631 ms
Loss rate: 0.72%
```

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

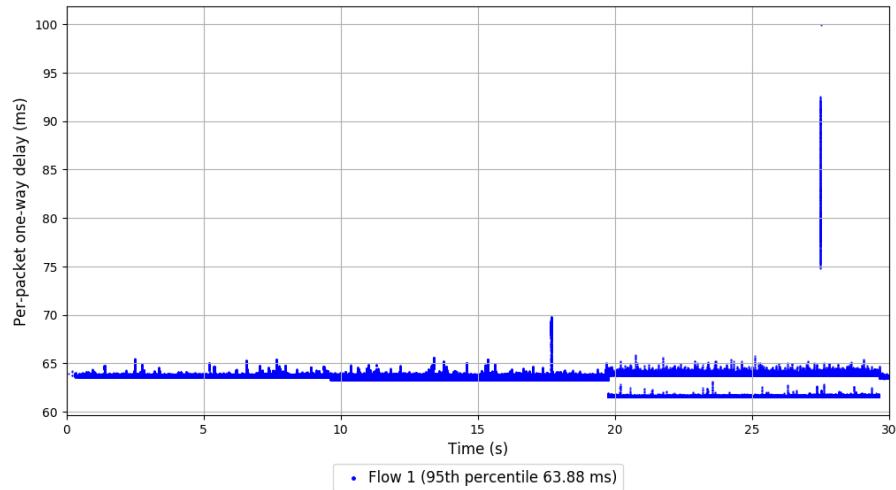
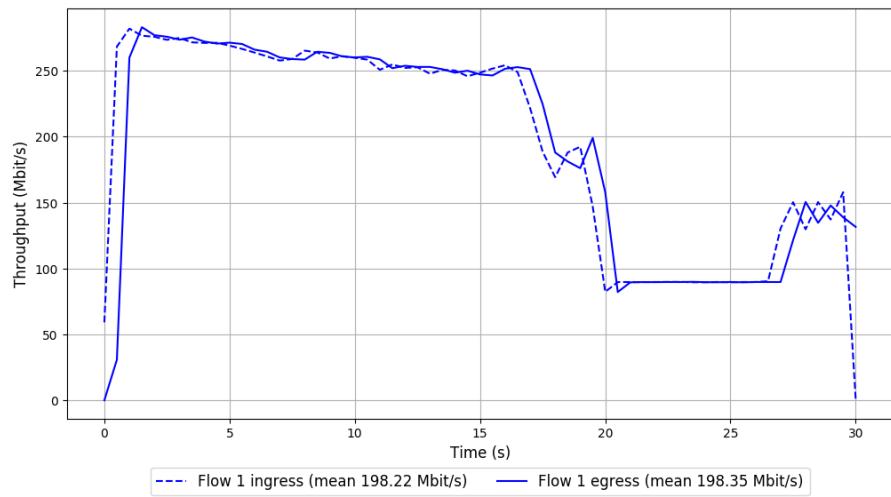


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-31 18:05:48
End at: 2018-05-31 18:06:18
Local clock offset: -0.035 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.35 Mbit/s
95th percentile per-packet one-way delay: 63.878 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 198.35 Mbit/s
95th percentile per-packet one-way delay: 63.878 ms
Loss rate: 0.37%
```

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

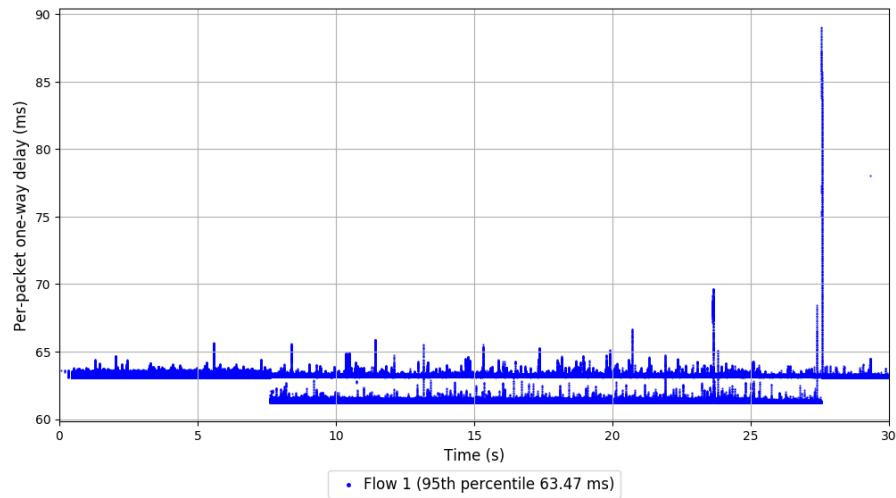
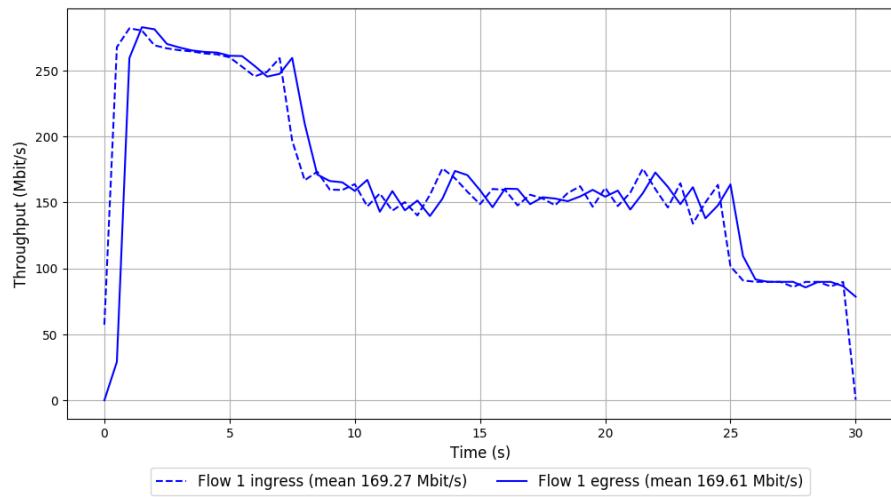


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-31 18:26:20
End at: 2018-05-31 18:26:50
Local clock offset: -0.044 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.61 Mbit/s
95th percentile per-packet one-way delay: 63.471 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 169.61 Mbit/s
95th percentile per-packet one-way delay: 63.471 ms
Loss rate: 0.22%
```

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

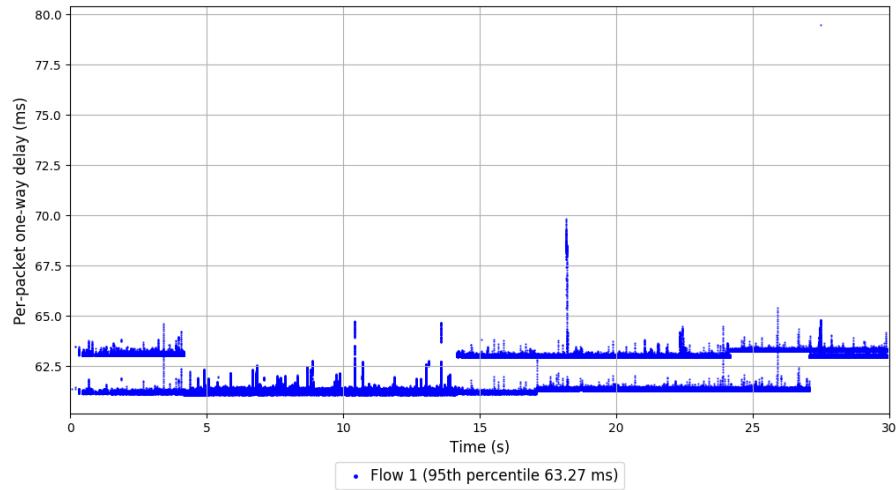
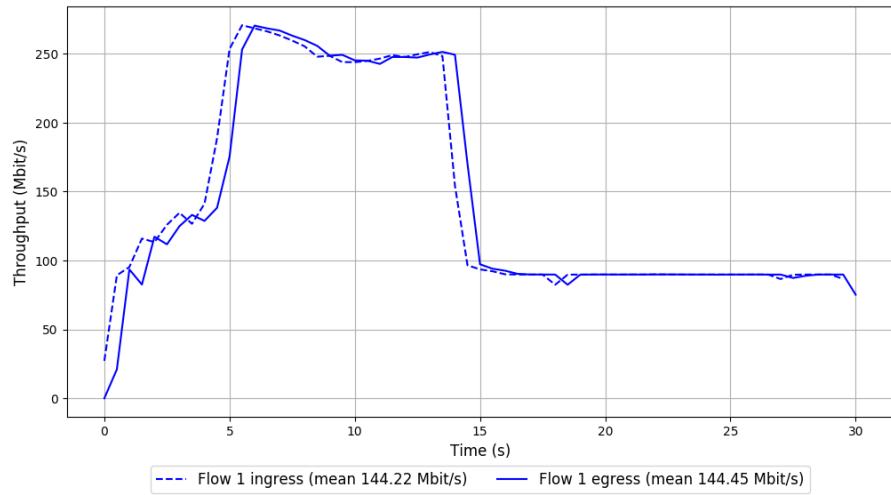


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-31 18:47:03
End at: 2018-05-31 18:47:33
Local clock offset: -0.081 ms
Remote clock offset: 0.257 ms

# Below is generated by plot.py at 2018-05-31 22:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.45 Mbit/s
95th percentile per-packet one-way delay: 63.274 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 144.45 Mbit/s
95th percentile per-packet one-way delay: 63.274 ms
Loss rate: 0.26%
```

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

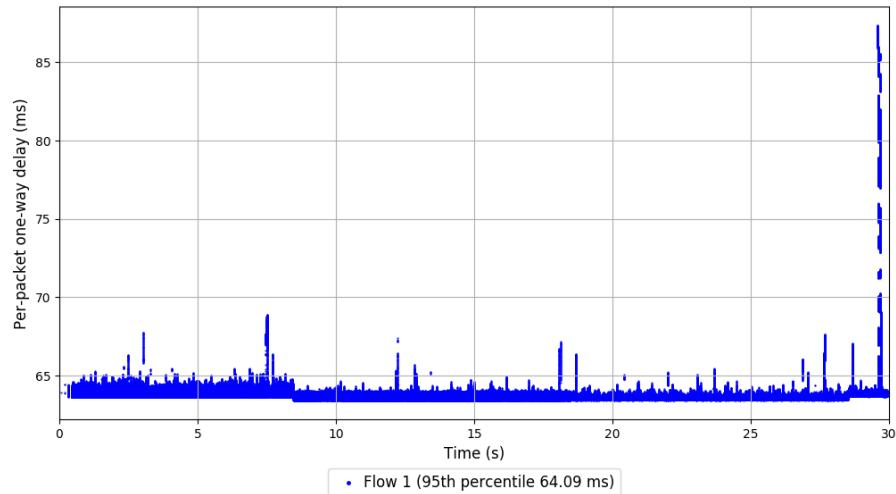
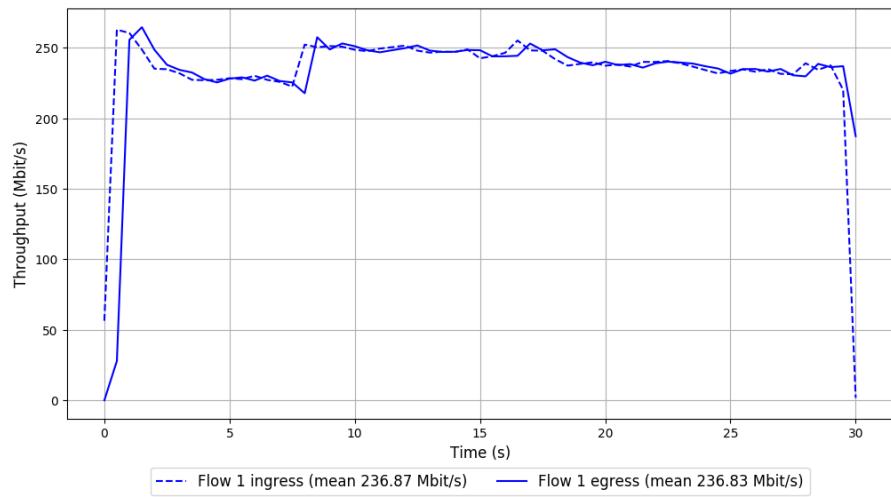


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-31 19:07:49
End at: 2018-05-31 19:08:19
Local clock offset: -0.067 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-05-31 22:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.83 Mbit/s
95th percentile per-packet one-way delay: 64.092 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 236.83 Mbit/s
95th percentile per-packet one-way delay: 64.092 ms
Loss rate: 0.46%
```

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

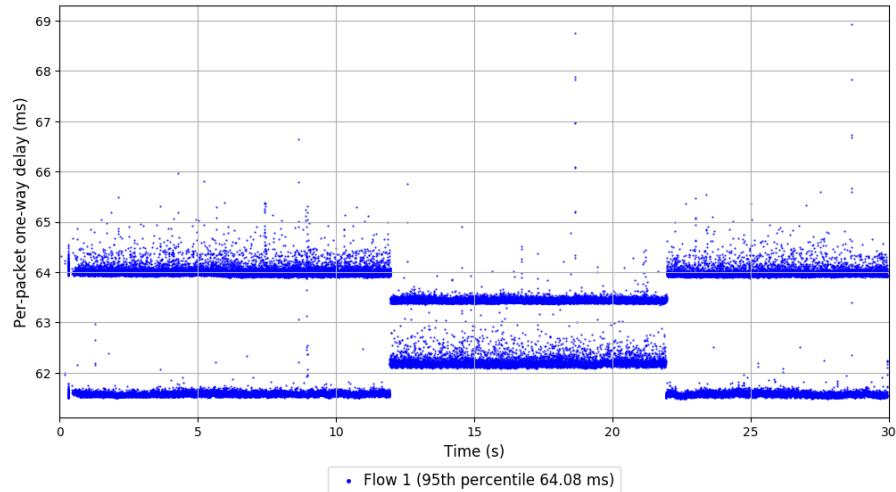
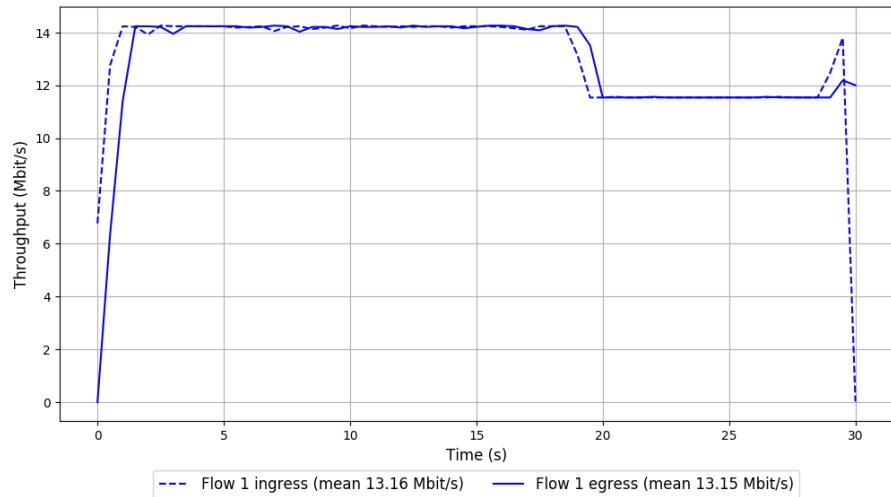


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-31 19:28:25
End at: 2018-05-31 19:28:55
Local clock offset: -0.088 ms
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2018-05-31 22:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 64.079 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 64.079 ms
Loss rate: 0.45%
```

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

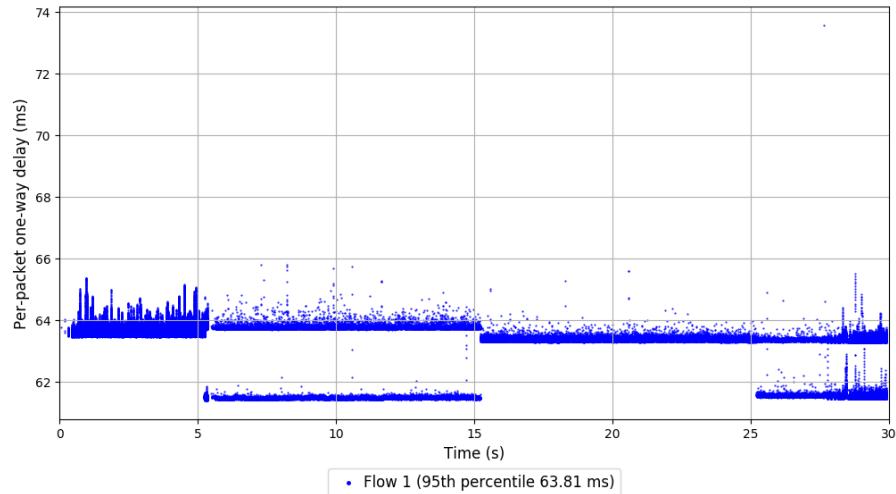
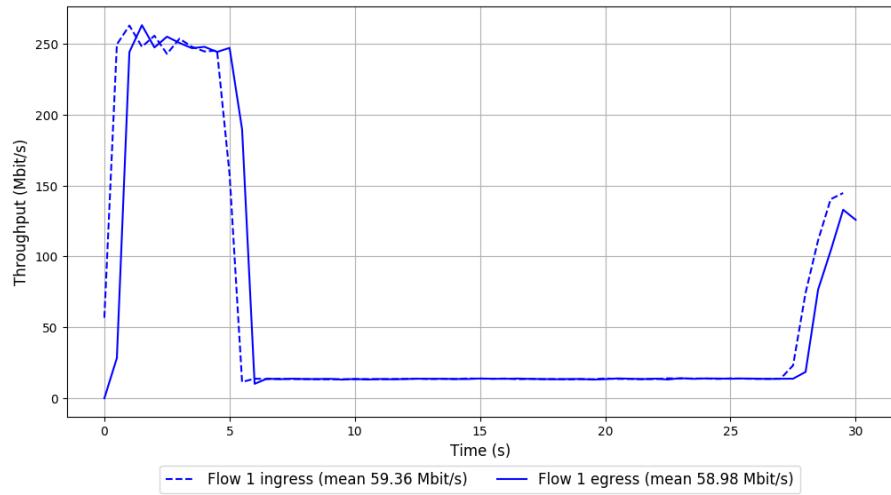


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-31 19:48:52
End at: 2018-05-31 19:49:22
Local clock offset: -0.027 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-05-31 22:05:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 63.811 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 63.811 ms
Loss rate: 1.07%
```

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

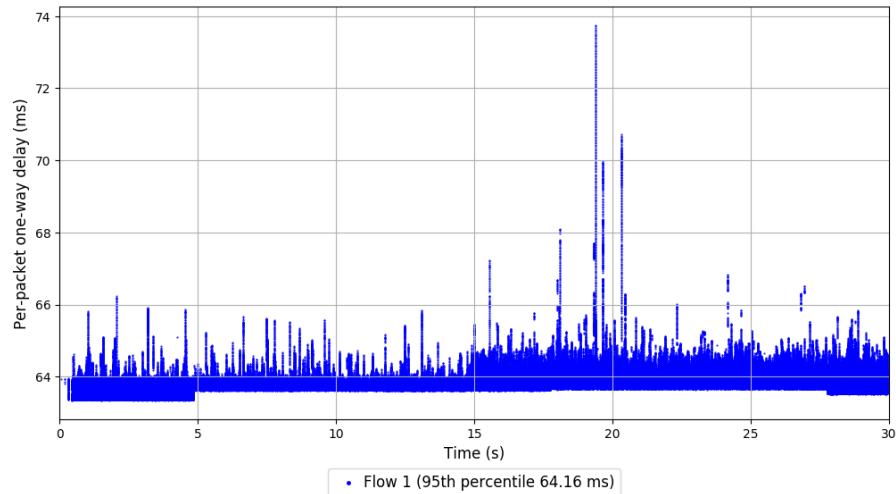
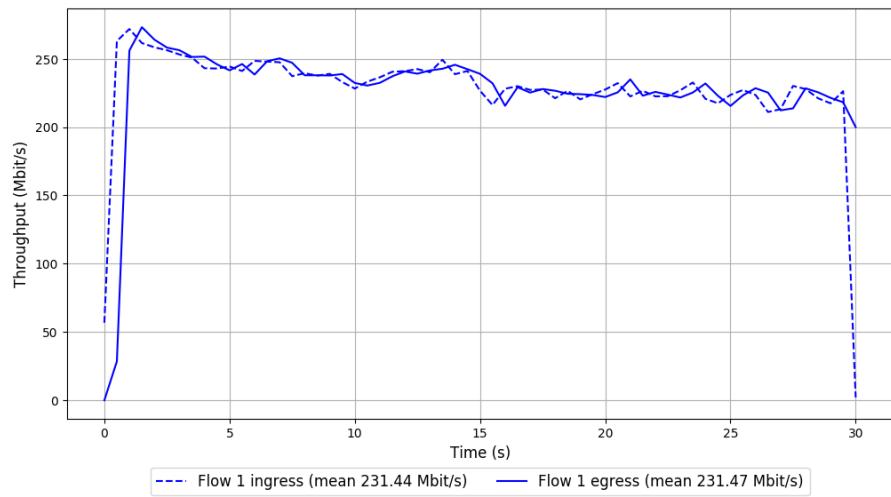


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-31 20:09:13
End at: 2018-05-31 20:09:43
Local clock offset: -0.038 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.47 Mbit/s
95th percentile per-packet one-way delay: 64.158 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 231.47 Mbit/s
95th percentile per-packet one-way delay: 64.158 ms
Loss rate: 0.41%
```

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

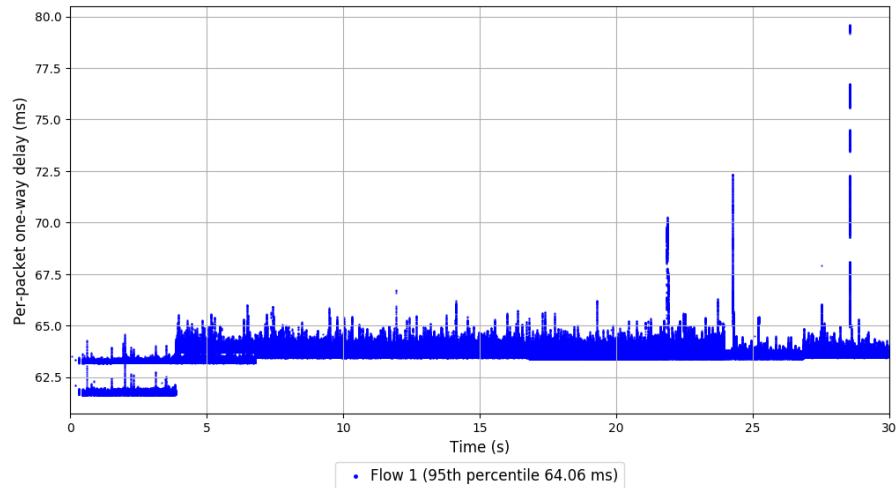
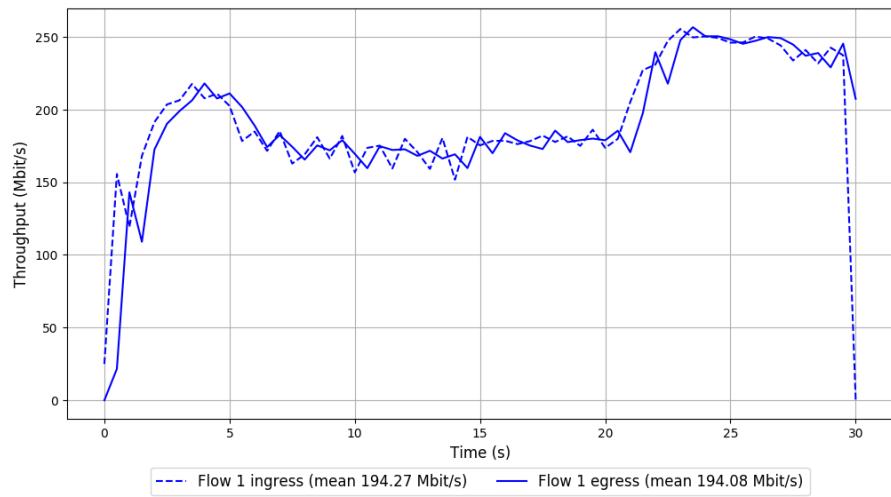


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-31 20:30:04
End at: 2018-05-31 20:30:34
Local clock offset: 0.051 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.08 Mbit/s
95th percentile per-packet one-way delay: 64.061 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 194.08 Mbit/s
95th percentile per-packet one-way delay: 64.061 ms
Loss rate: 0.52%
```

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

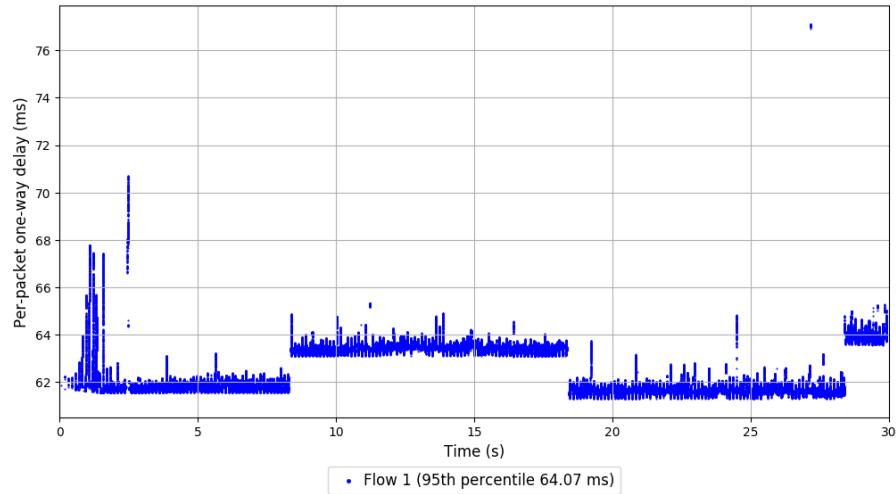
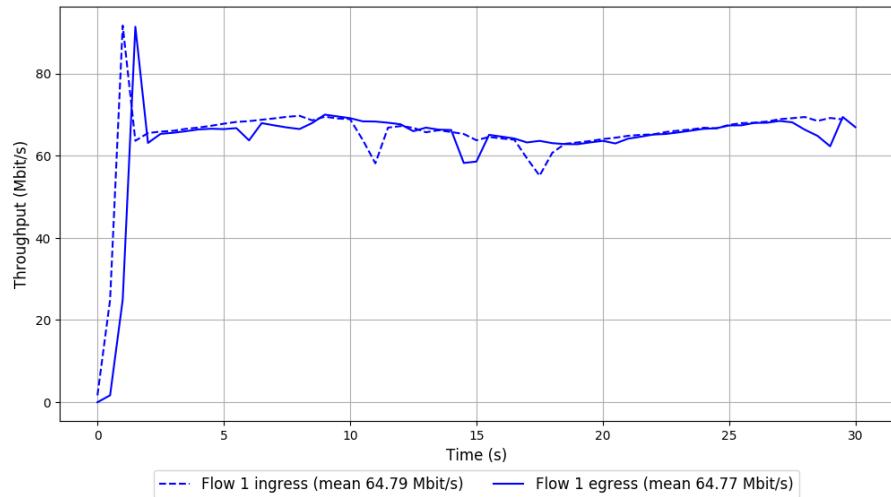


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-31 17:30:29
End at: 2018-05-31 17:30:59
Local clock offset: -0.01 ms
Remote clock offset: 0.142 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 64.066 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 64.066 ms
Loss rate: 0.44%
```

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

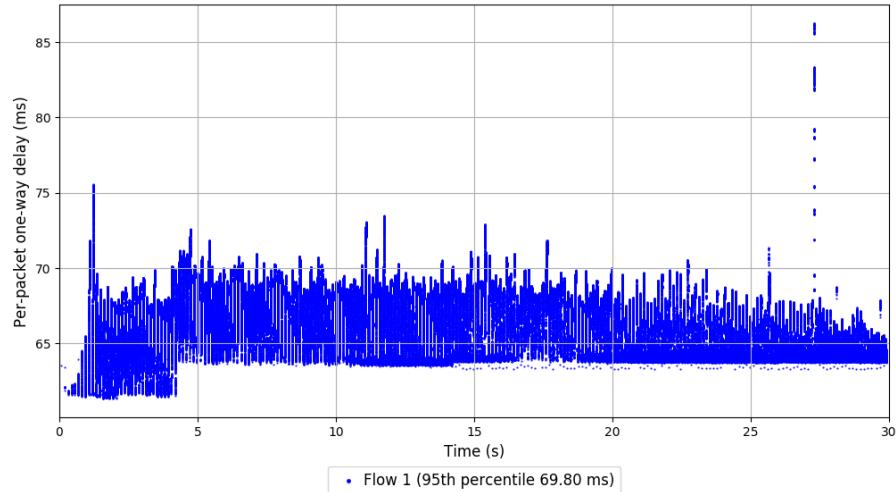
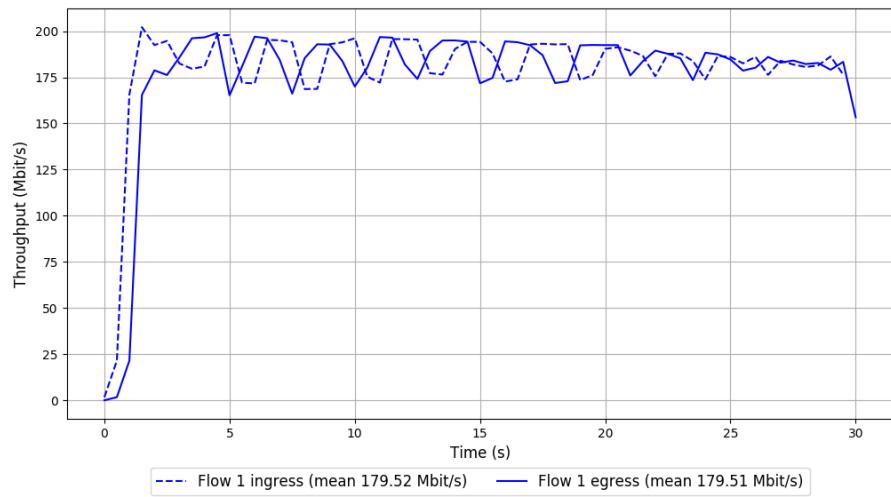


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-31 17:51:13
End at: 2018-05-31 17:51:43
Local clock offset: -0.002 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.51 Mbit/s
95th percentile per-packet one-way delay: 69.801 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 179.51 Mbit/s
95th percentile per-packet one-way delay: 69.801 ms
Loss rate: 0.43%
```

Run 2: Report of TCP Vegas — Data Link

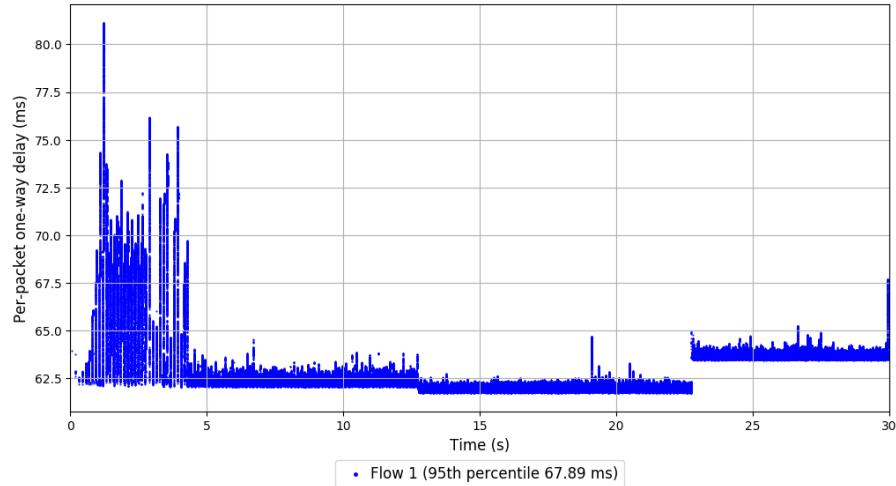
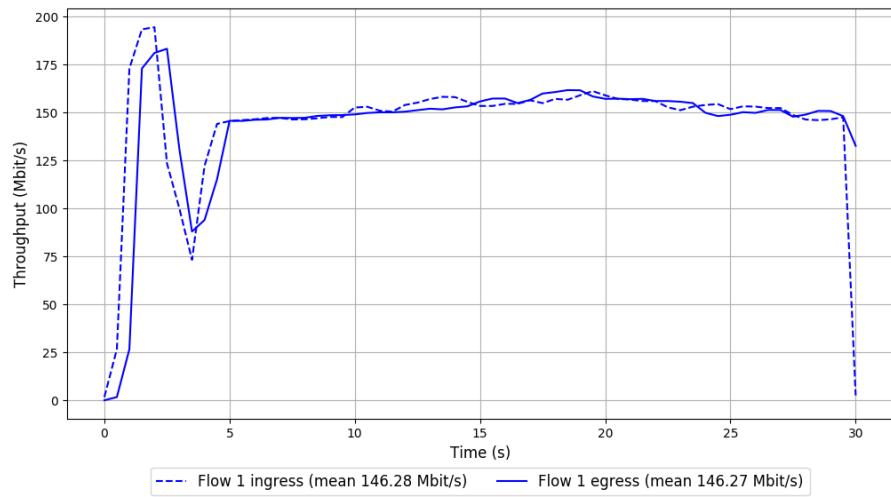


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-31 18:11:55
End at: 2018-05-31 18:12:25
Local clock offset: -0.033 ms
Remote clock offset: -0.256 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.27 Mbit/s
95th percentile per-packet one-way delay: 67.894 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 146.27 Mbit/s
95th percentile per-packet one-way delay: 67.894 ms
Loss rate: 0.43%
```

Run 3: Report of TCP Vegas — Data Link

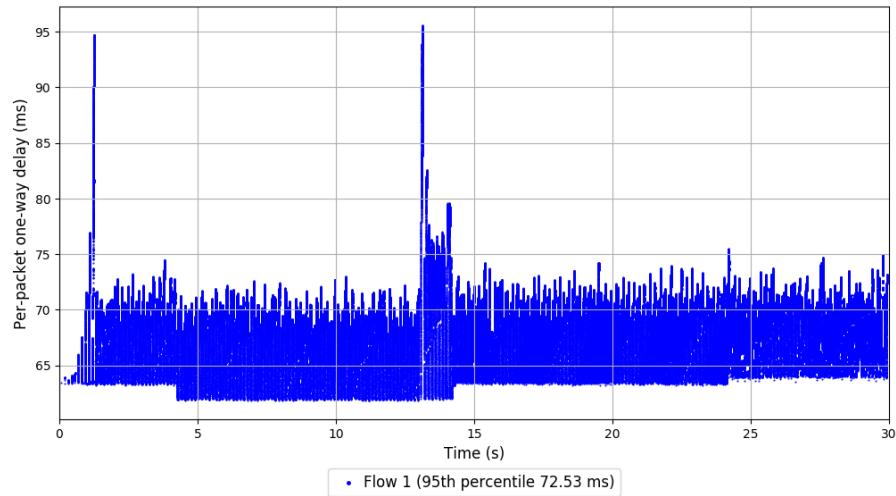
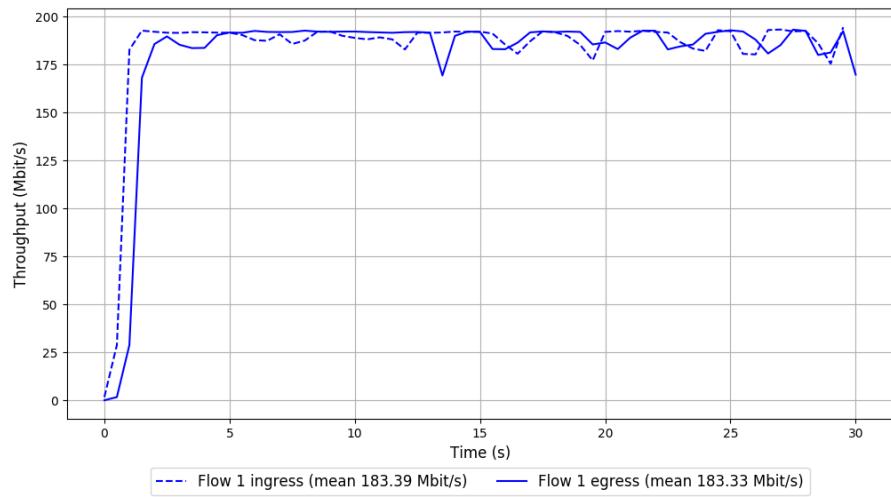


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-31 18:32:23
End at: 2018-05-31 18:32:53
Local clock offset: -0.092 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.33 Mbit/s
95th percentile per-packet one-way delay: 72.525 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 183.33 Mbit/s
95th percentile per-packet one-way delay: 72.525 ms
Loss rate: 0.45%
```

Run 4: Report of TCP Vegas — Data Link

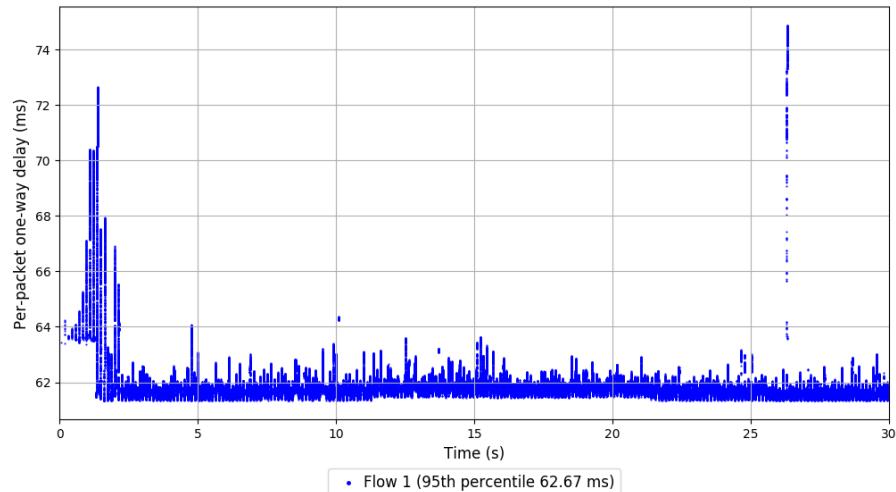
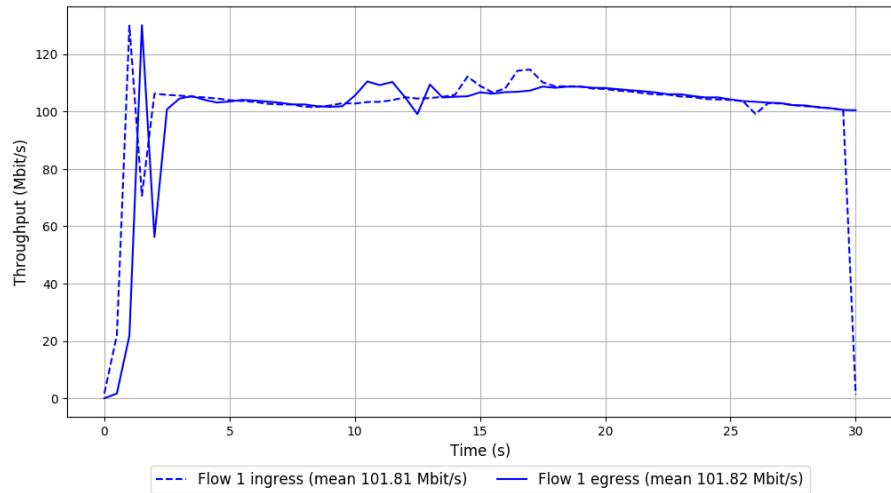


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-31 18:53:06
End at: 2018-05-31 18:53:36
Local clock offset: -0.123 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.82 Mbit/s
95th percentile per-packet one-way delay: 62.675 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 101.82 Mbit/s
95th percentile per-packet one-way delay: 62.675 ms
Loss rate: 0.41%
```

Run 5: Report of TCP Vegas — Data Link

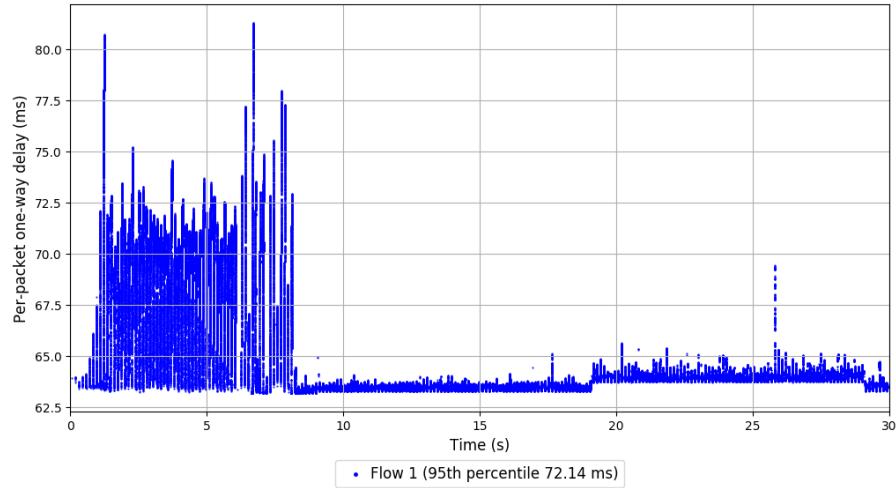
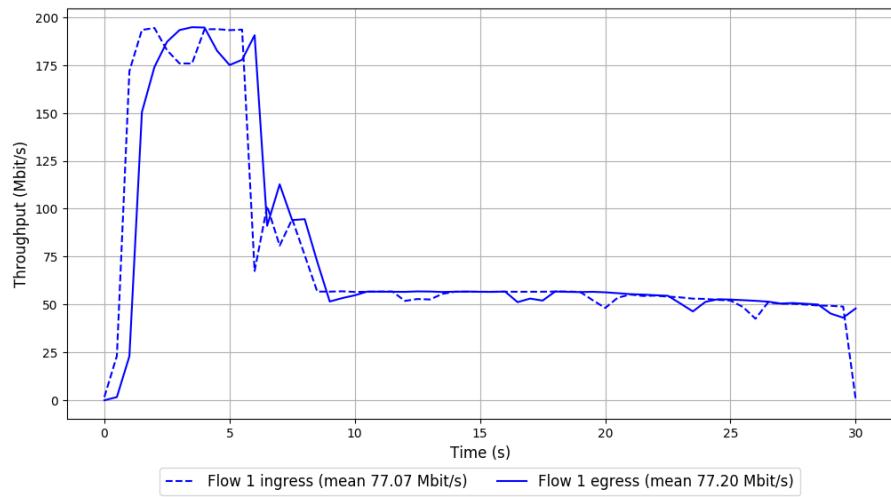


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-31 19:13:58
End at: 2018-05-31 19:14:28
Local clock offset: -0.078 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 72.136 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 72.136 ms
Loss rate: 0.27%
```

Run 6: Report of TCP Vegas — Data Link

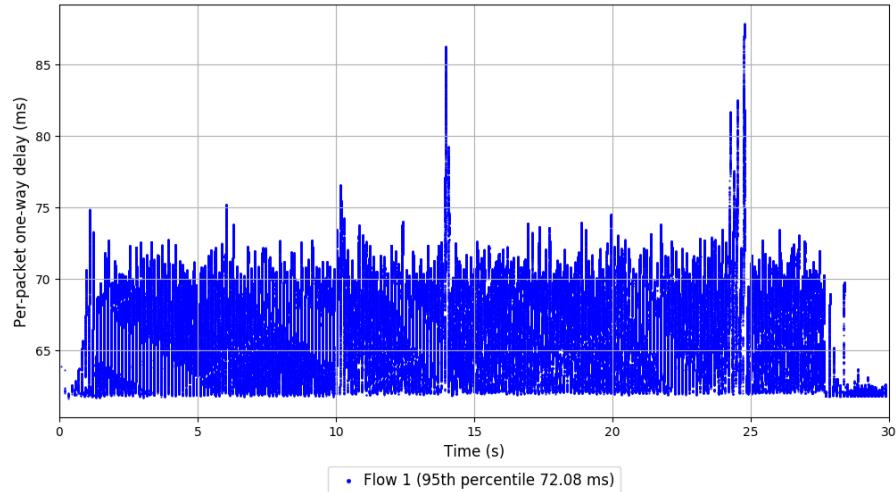
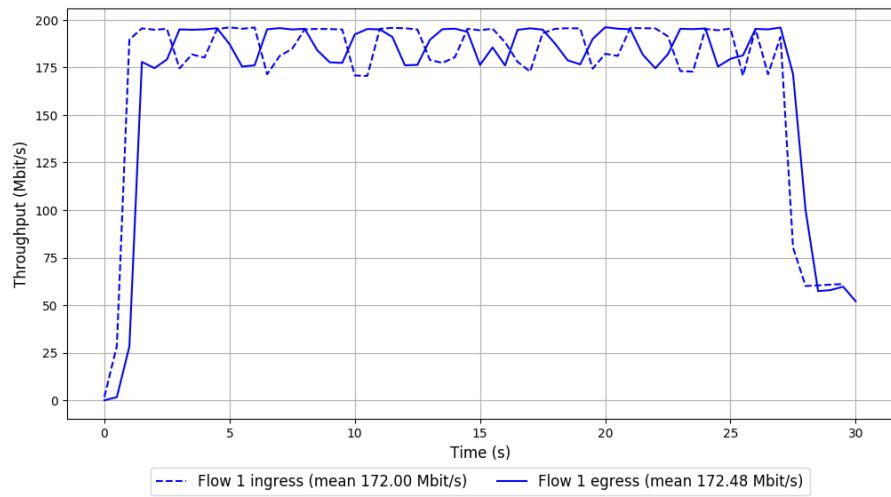


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-31 19:34:17
End at: 2018-05-31 19:34:47
Local clock offset: -0.051 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.48 Mbit/s
95th percentile per-packet one-way delay: 72.080 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 172.48 Mbit/s
95th percentile per-packet one-way delay: 72.080 ms
Loss rate: 0.15%
```

Run 7: Report of TCP Vegas — Data Link

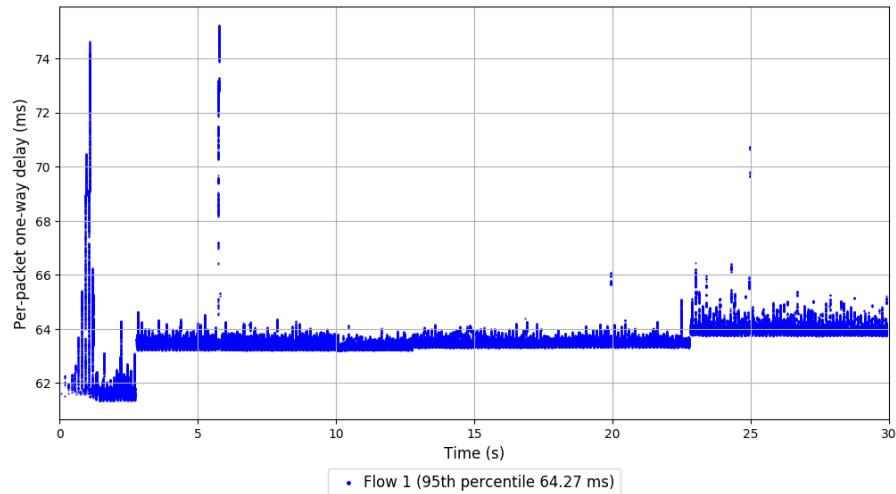
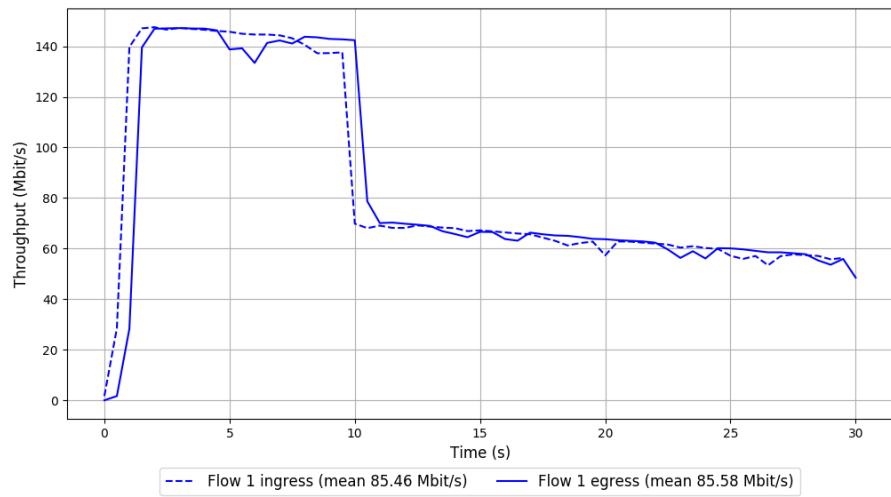


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-31 19:54:45
End at: 2018-05-31 19:55:15
Local clock offset: -0.046 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 64.272 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 64.272 ms
Loss rate: 0.27%
```

Run 8: Report of TCP Vegas — Data Link

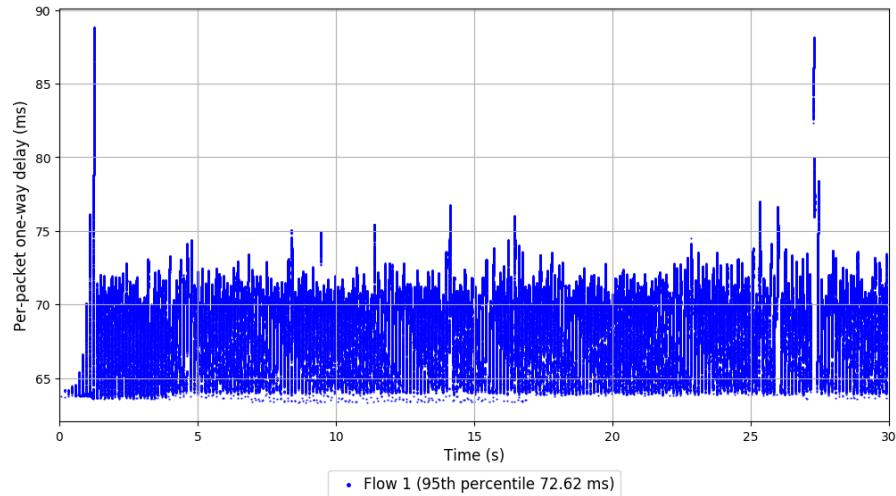
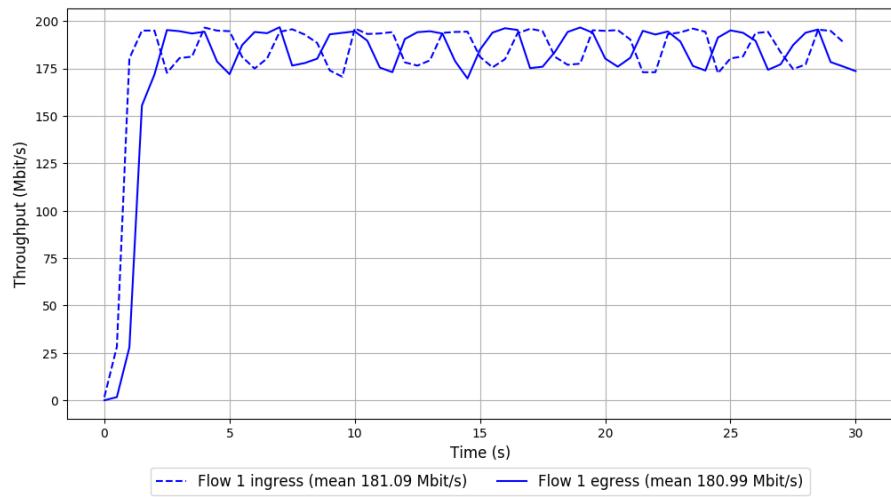


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-31 20:15:33
End at: 2018-05-31 20:16:03
Local clock offset: 0.002 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.99 Mbit/s
95th percentile per-packet one-way delay: 72.624 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 180.99 Mbit/s
95th percentile per-packet one-way delay: 72.624 ms
Loss rate: 0.47%
```

Run 9: Report of TCP Vegas — Data Link

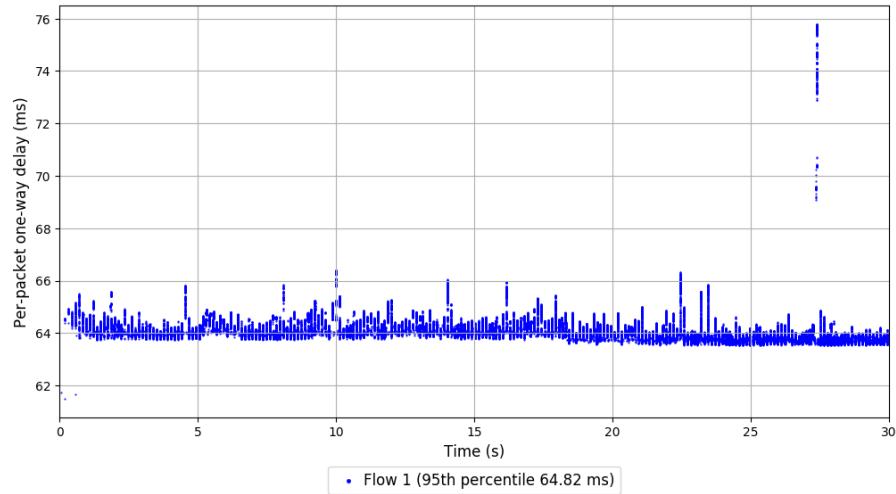
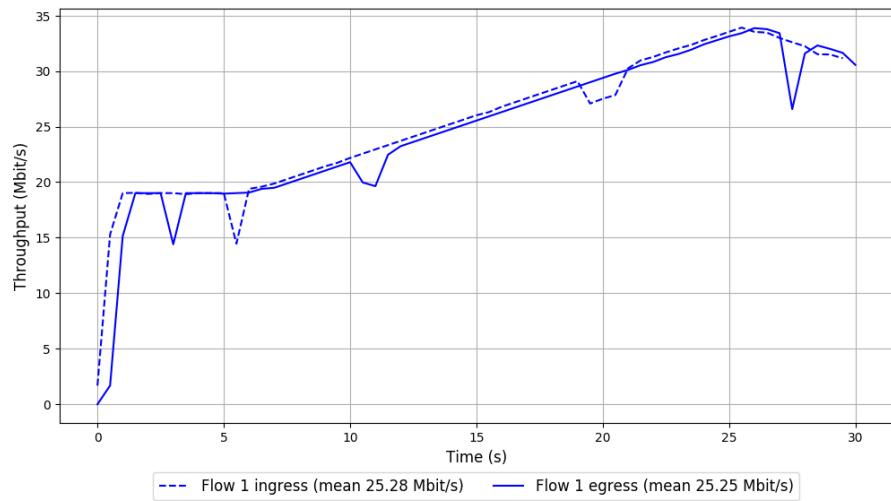


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-31 20:36:09
End at: 2018-05-31 20:36:39
Local clock offset: 0.053 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-05-31 22:07:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.25 Mbit/s
95th percentile per-packet one-way delay: 64.819 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 25.25 Mbit/s
95th percentile per-packet one-way delay: 64.819 ms
Loss rate: 0.51%
```

Run 10: Report of TCP Vegas — Data Link

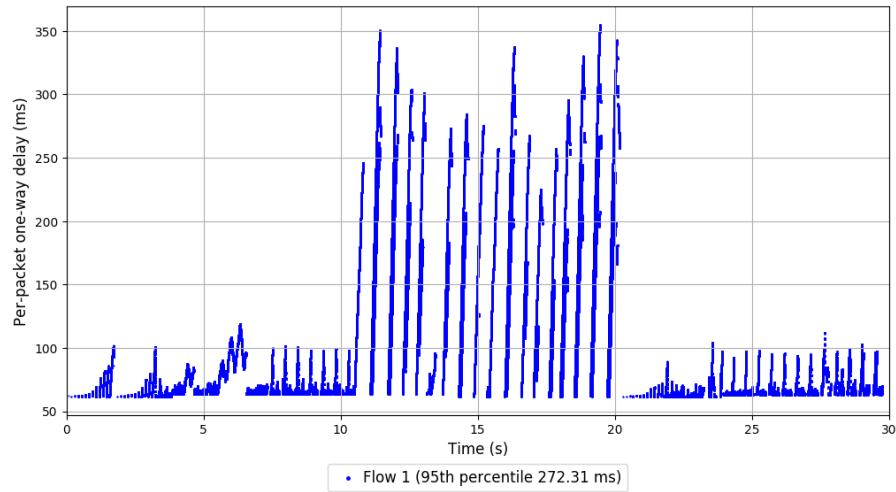
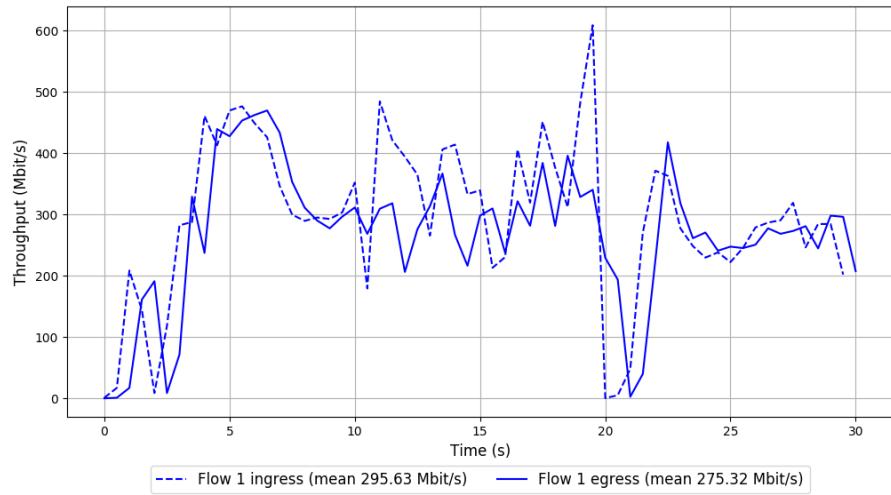


Run 1: Statistics of Verus

```
Start at: 2018-05-31 17:19:33
End at: 2018-05-31 17:20:03
Local clock offset: -0.009 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-05-31 22:09:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.32 Mbit/s
95th percentile per-packet one-way delay: 272.306 ms
Loss rate: 7.38%
-- Flow 1:
Average throughput: 275.32 Mbit/s
95th percentile per-packet one-way delay: 272.306 ms
Loss rate: 7.38%
```

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

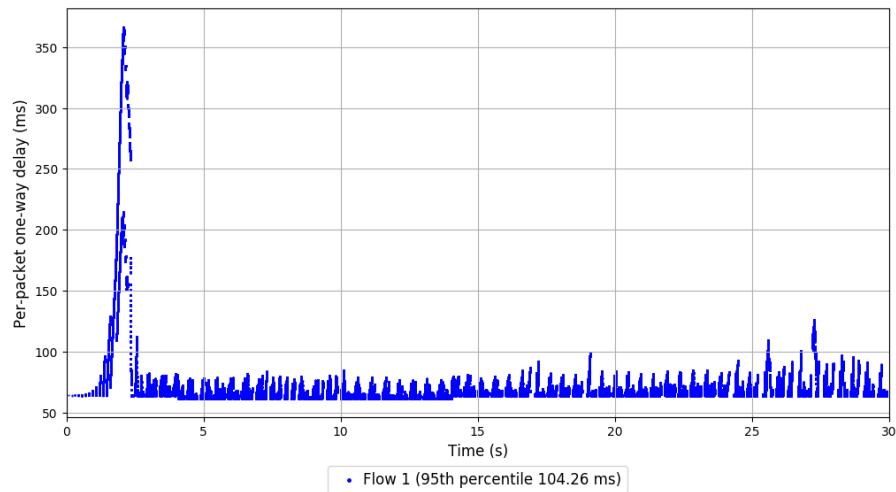
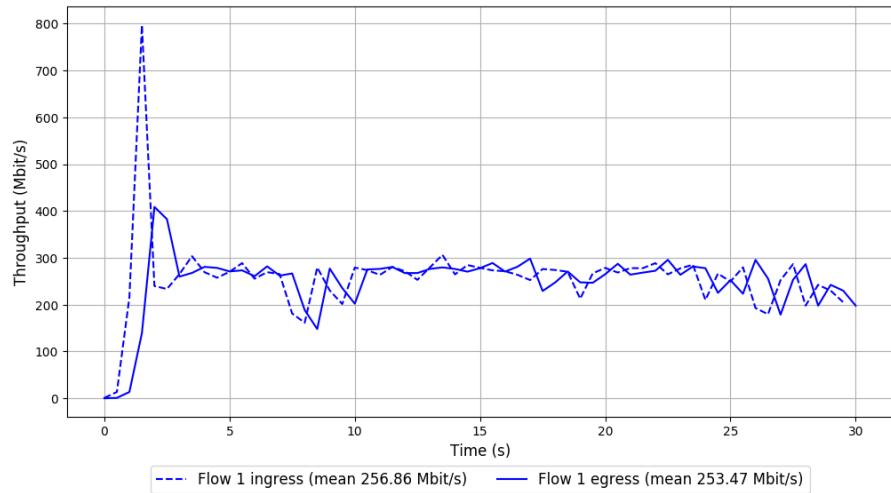


Run 2: Statistics of Verus

```
Start at: 2018-05-31 17:39:53
End at: 2018-05-31 17:40:23
Local clock offset: 0.016 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-05-31 22:09:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 253.47 Mbit/s
95th percentile per-packet one-way delay: 104.257 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 253.47 Mbit/s
95th percentile per-packet one-way delay: 104.257 ms
Loss rate: 1.72%
```

## Run 2: Report of Verus — Data Link

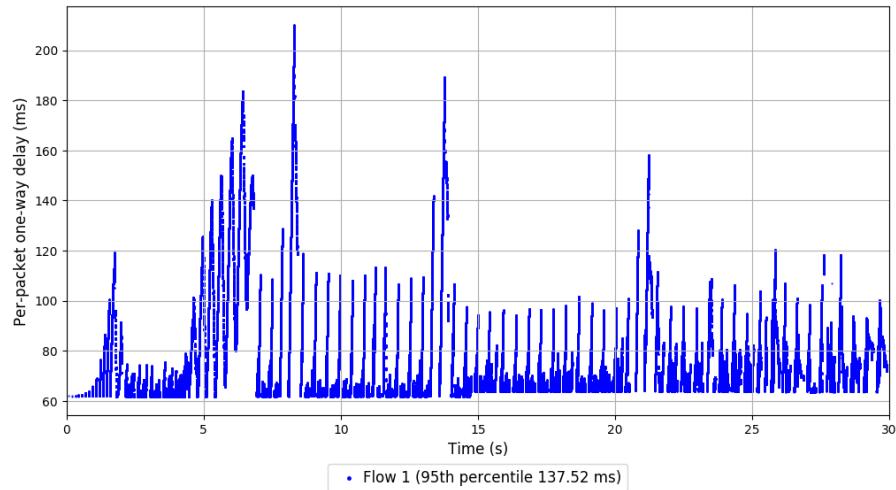
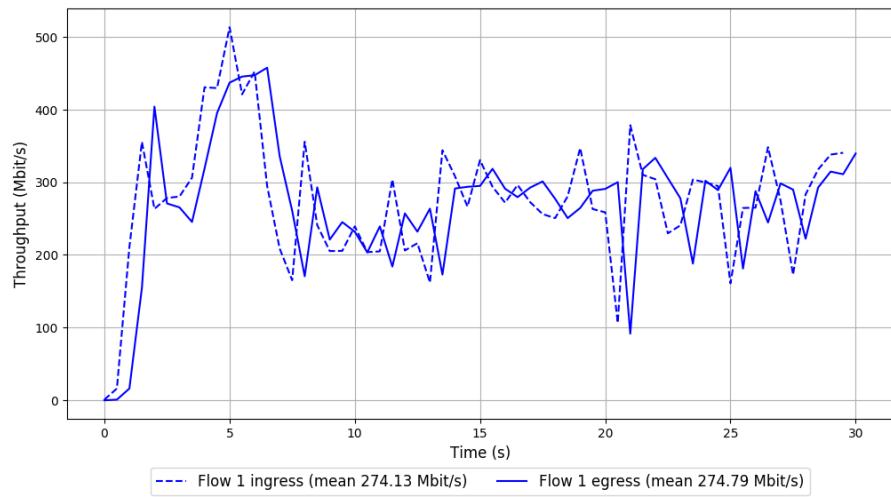


Run 3: Statistics of Verus

```
Start at: 2018-05-31 18:00:43
End at: 2018-05-31 18:01:13
Local clock offset: 0.021 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2018-05-31 22:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.79 Mbit/s
95th percentile per-packet one-way delay: 137.518 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 274.79 Mbit/s
95th percentile per-packet one-way delay: 137.518 ms
Loss rate: 0.20%
```

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

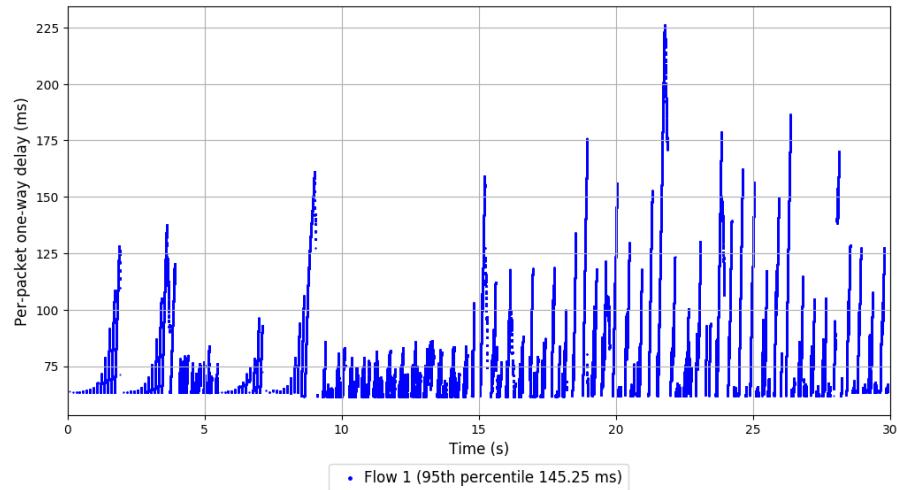
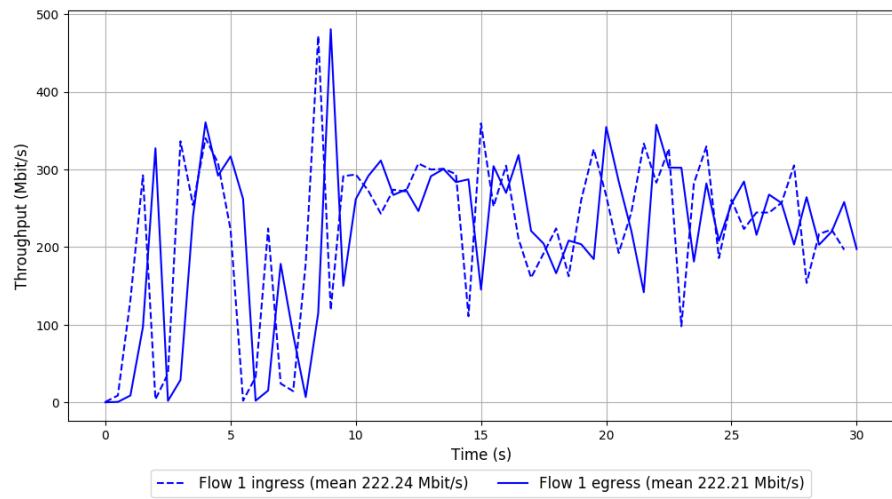


Run 4: Statistics of Verus

```
Start at: 2018-05-31 18:21:19
End at: 2018-05-31 18:21:49
Local clock offset: -0.059 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-05-31 22:10:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.21 Mbit/s
95th percentile per-packet one-way delay: 145.255 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 222.21 Mbit/s
95th percentile per-packet one-way delay: 145.255 ms
Loss rate: 0.05%
```

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

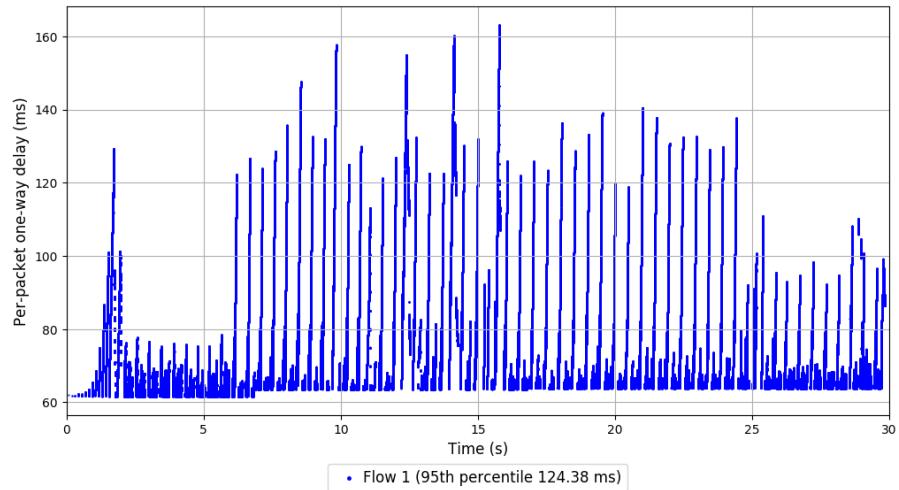
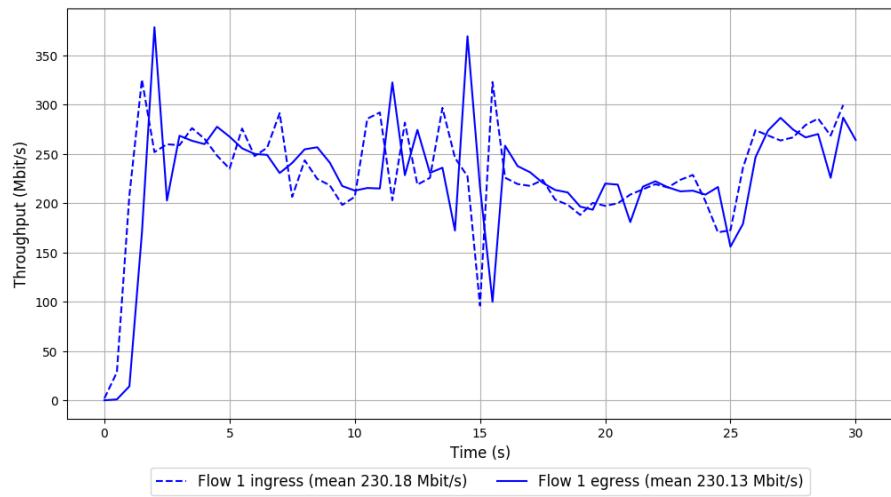


Run 5: Statistics of Verus

```
Start at: 2018-05-31 18:42:01
End at: 2018-05-31 18:42:31
Local clock offset: -0.041 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2018-05-31 22:11:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.13 Mbit/s
95th percentile per-packet one-way delay: 124.383 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 230.13 Mbit/s
95th percentile per-packet one-way delay: 124.383 ms
Loss rate: 0.63%
```

Run 5: Report of Verus — Data Link

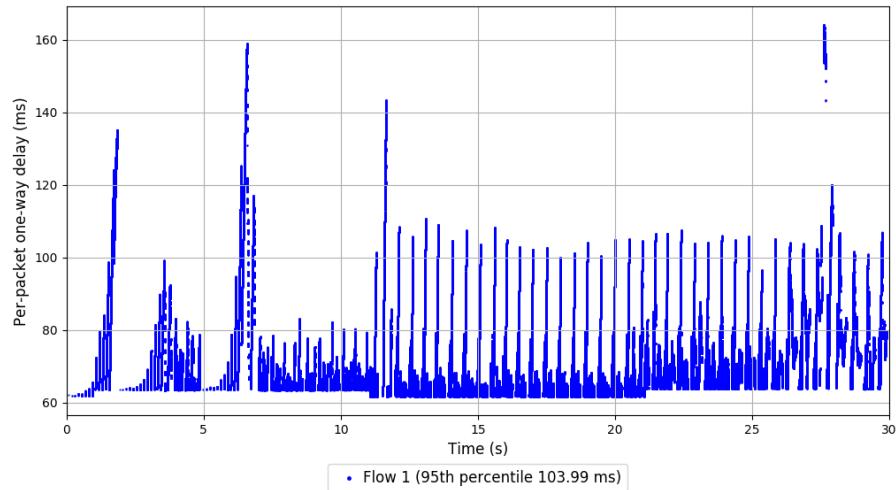
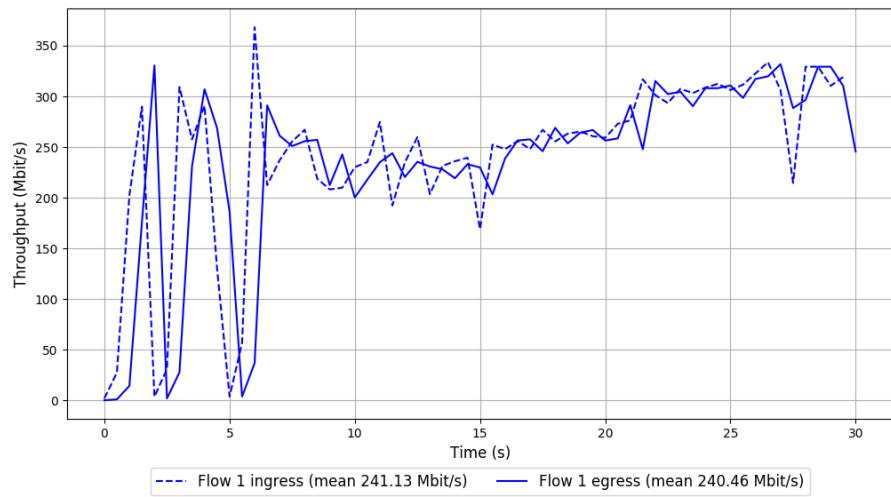


Run 6: Statistics of Verus

```
Start at: 2018-05-31 19:02:46
End at: 2018-05-31 19:03:16
Local clock offset: -0.091 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-05-31 22:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.46 Mbit/s
95th percentile per-packet one-way delay: 103.987 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 240.46 Mbit/s
95th percentile per-packet one-way delay: 103.987 ms
Loss rate: 0.51%
```

Run 6: Report of Verus — Data Link

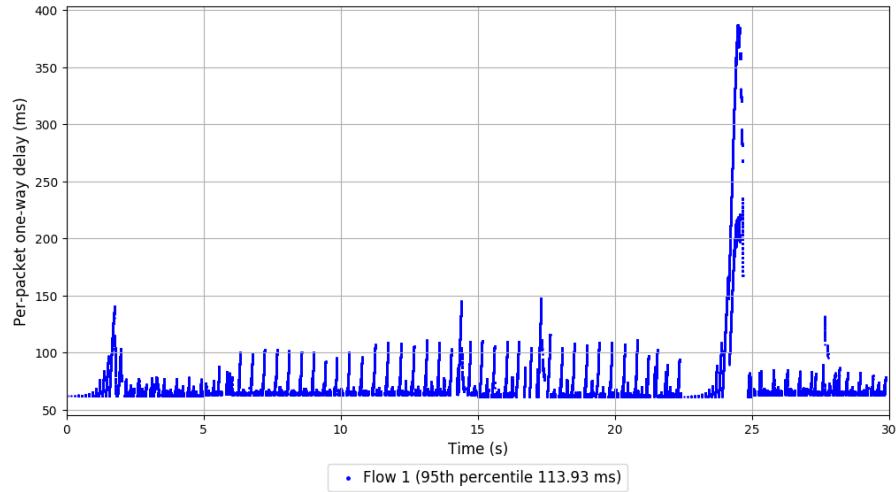
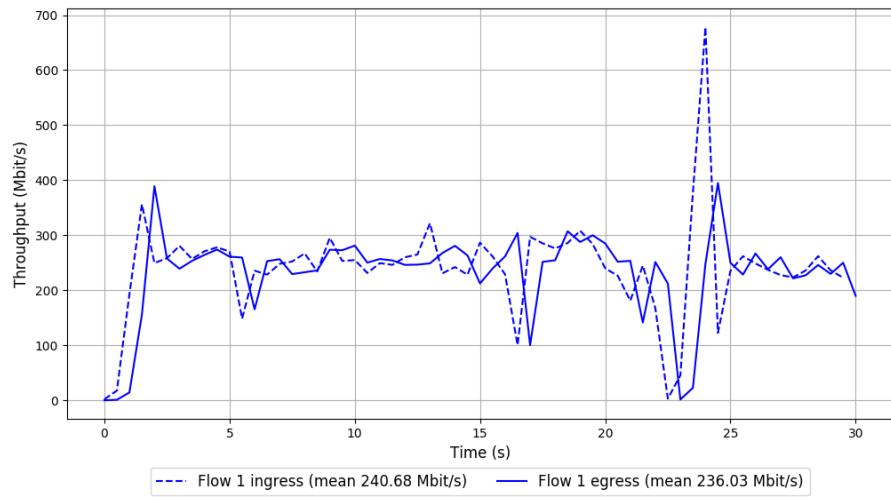


Run 7: Statistics of Verus

```
Start at: 2018-05-31 19:23:22
End at: 2018-05-31 19:23:52
Local clock offset: -0.083 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-31 22:11:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.03 Mbit/s
95th percentile per-packet one-way delay: 113.926 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 236.03 Mbit/s
95th percentile per-packet one-way delay: 113.926 ms
Loss rate: 2.38%
```

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

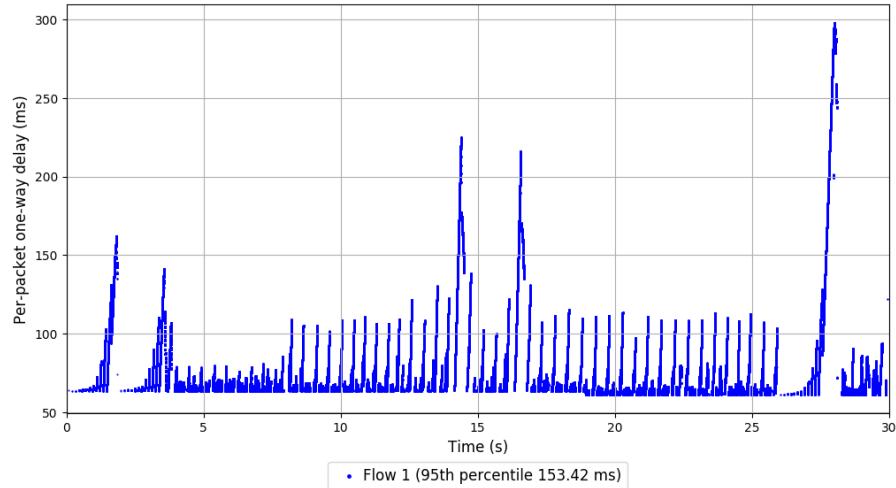
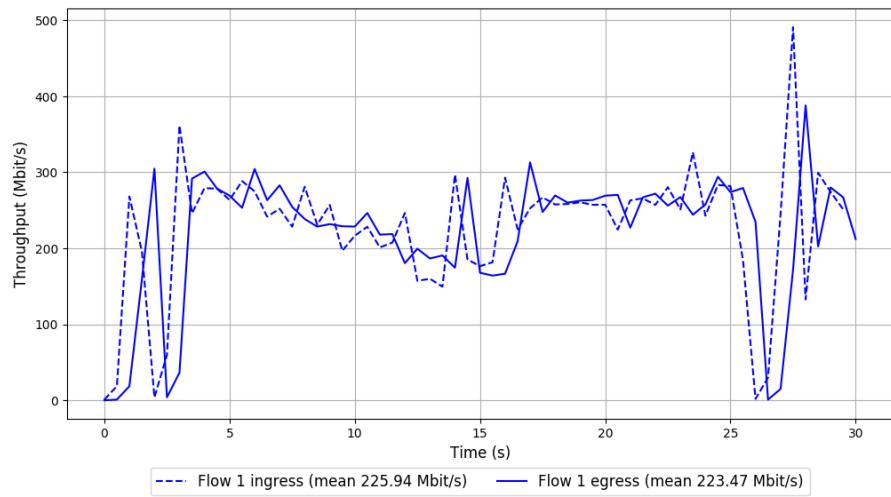


Run 8: Statistics of Verus

```
Start at: 2018-05-31 19:43:48
End at: 2018-05-31 19:44:18
Local clock offset: -0.056 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-05-31 22:11:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.47 Mbit/s
95th percentile per-packet one-way delay: 153.421 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 223.47 Mbit/s
95th percentile per-packet one-way delay: 153.421 ms
Loss rate: 1.38%
```

Run 8: Report of Verus — Data Link

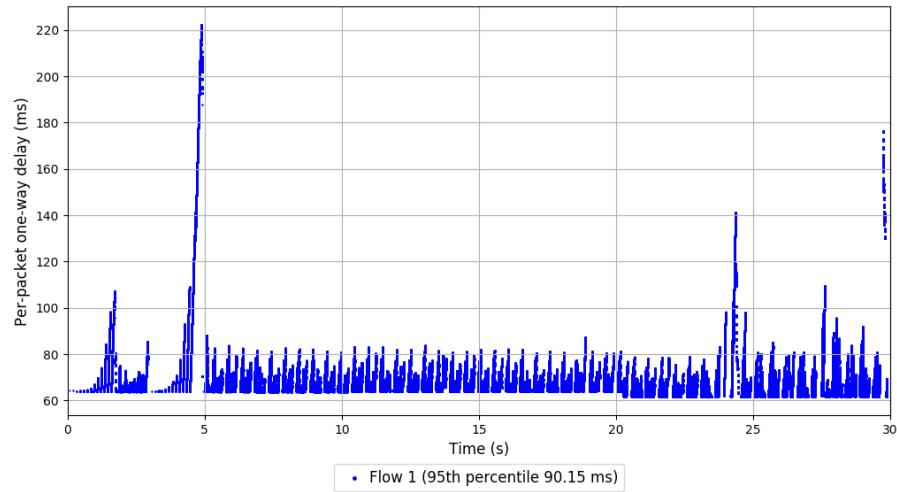
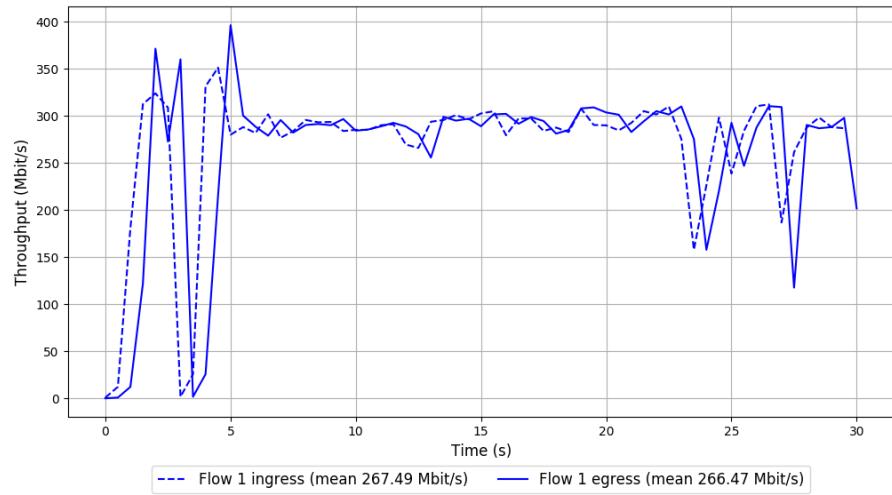


Run 9: Statistics of Verus

```
Start at: 2018-05-31 20:04:07
End at: 2018-05-31 20:04:37
Local clock offset: -0.036 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-05-31 22:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.47 Mbit/s
95th percentile per-packet one-way delay: 90.146 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 266.47 Mbit/s
95th percentile per-packet one-way delay: 90.146 ms
Loss rate: 0.81%
```

Run 9: Report of Verus — Data Link

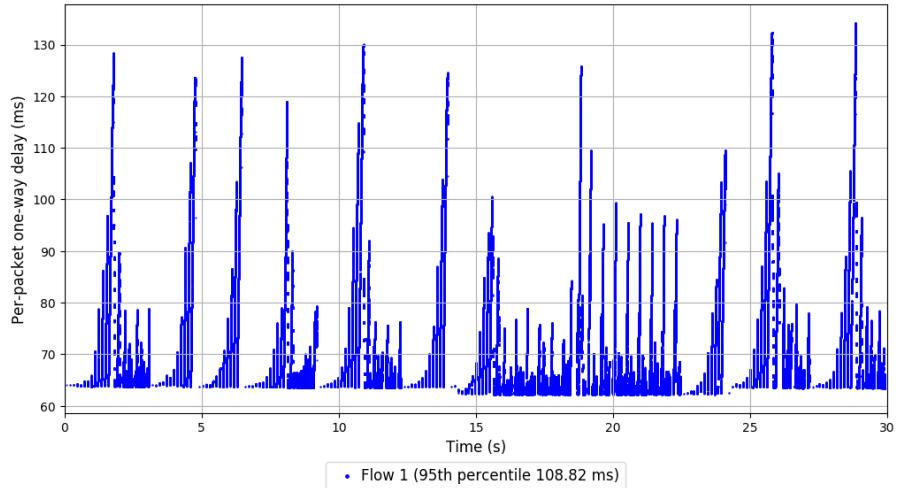
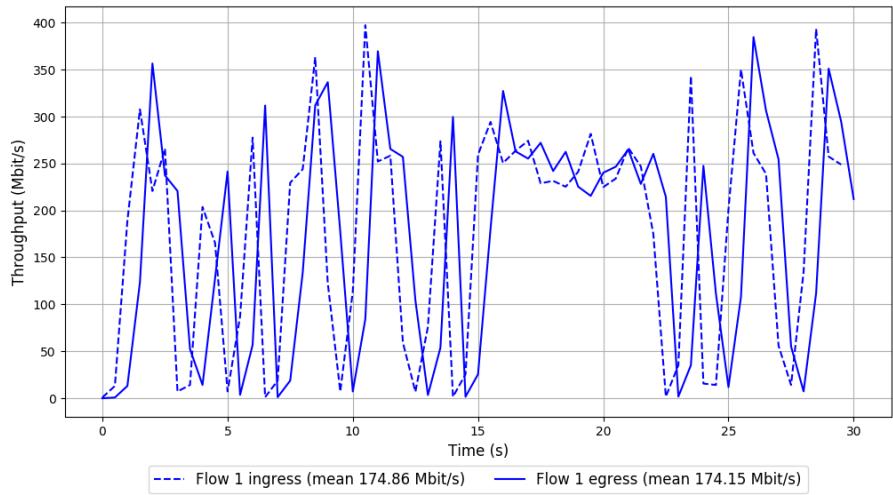


Run 10: Statistics of Verus

```
Start at: 2018-05-31 20:25:03
End at: 2018-05-31 20:25:33
Local clock offset: 0.047 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2018-05-31 22:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.15 Mbit/s
95th percentile per-packet one-way delay: 108.817 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 174.15 Mbit/s
95th percentile per-packet one-way delay: 108.817 ms
Loss rate: 0.69%
```

Run 10: Report of Verus — Data Link

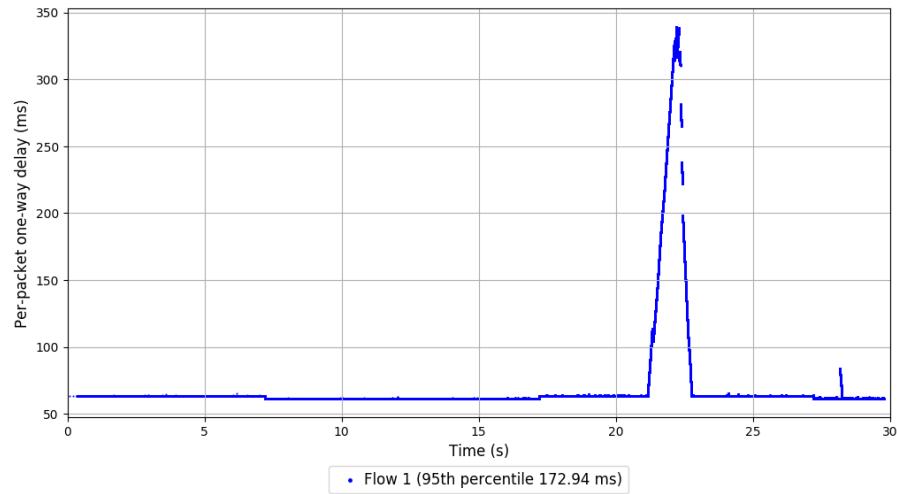
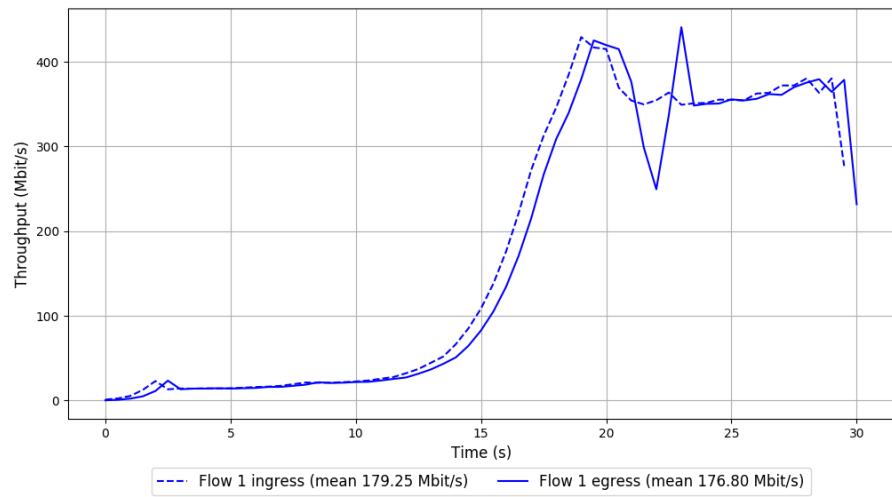


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-31 17:22:03
End at: 2018-05-31 17:22:33
Local clock offset: 0.002 ms
Remote clock offset: 0.133 ms

# Below is generated by plot.py at 2018-05-31 22:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.80 Mbit/s
95th percentile per-packet one-way delay: 172.943 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 176.80 Mbit/s
95th percentile per-packet one-way delay: 172.943 ms
Loss rate: 1.78%
```

Run 1: Report of PCC-Vivace — Data Link

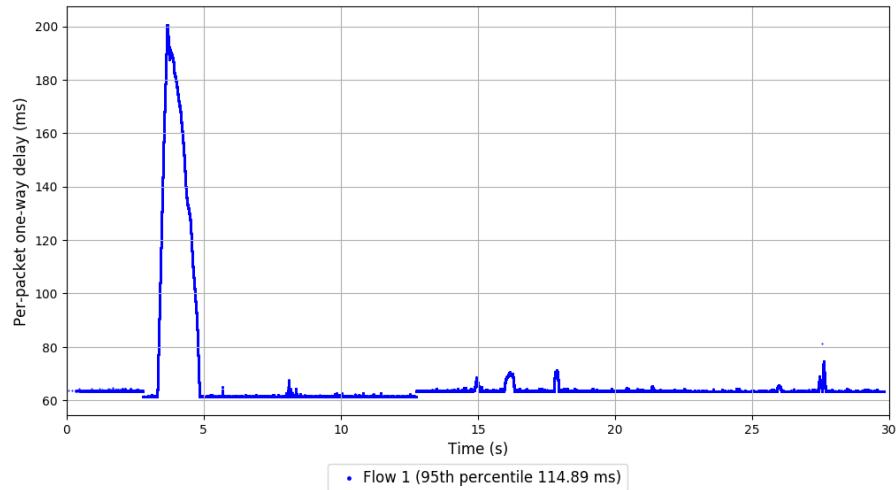
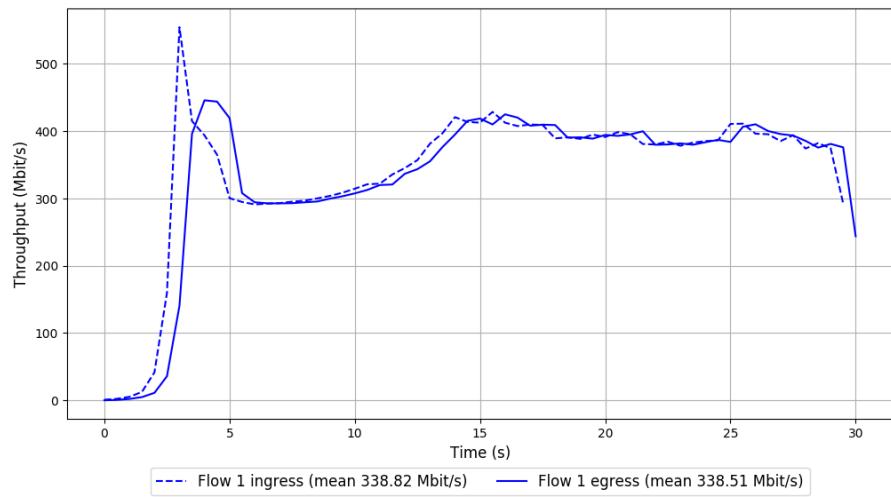


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-31 17:42:34
End at: 2018-05-31 17:43:04
Local clock offset: -0.021 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-31 22:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 338.51 Mbit/s
95th percentile per-packet one-way delay: 114.895 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 338.51 Mbit/s
95th percentile per-packet one-way delay: 114.895 ms
Loss rate: 0.51%
```

Run 2: Report of PCC-Vivace — Data Link

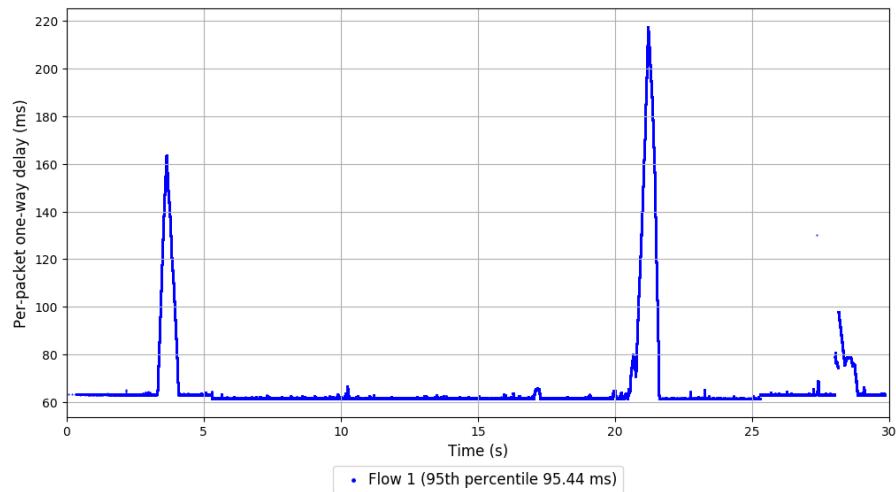
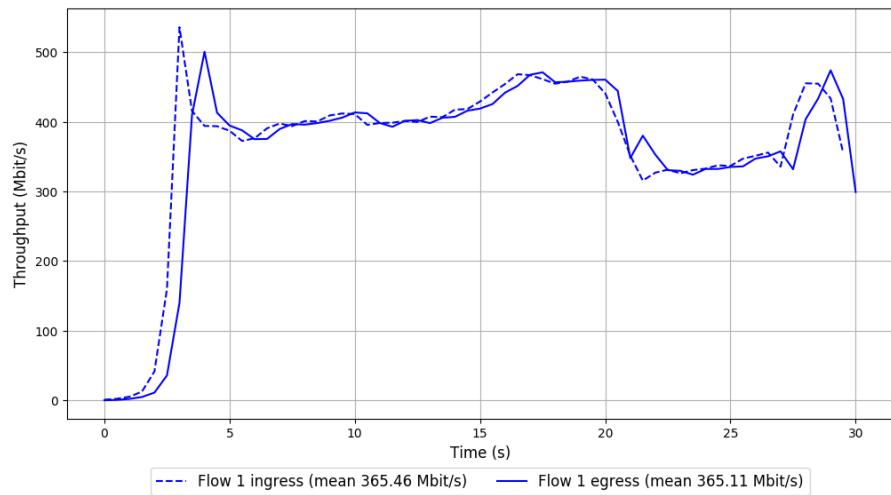


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-31 18:03:12
End at: 2018-05-31 18:03:42
Local clock offset: -0.042 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at 2018-05-31 22:17:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 365.11 Mbit/s
95th percentile per-packet one-way delay: 95.437 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 365.11 Mbit/s
95th percentile per-packet one-way delay: 95.437 ms
Loss rate: 0.52%
```

Run 3: Report of PCC-Vivace — Data Link

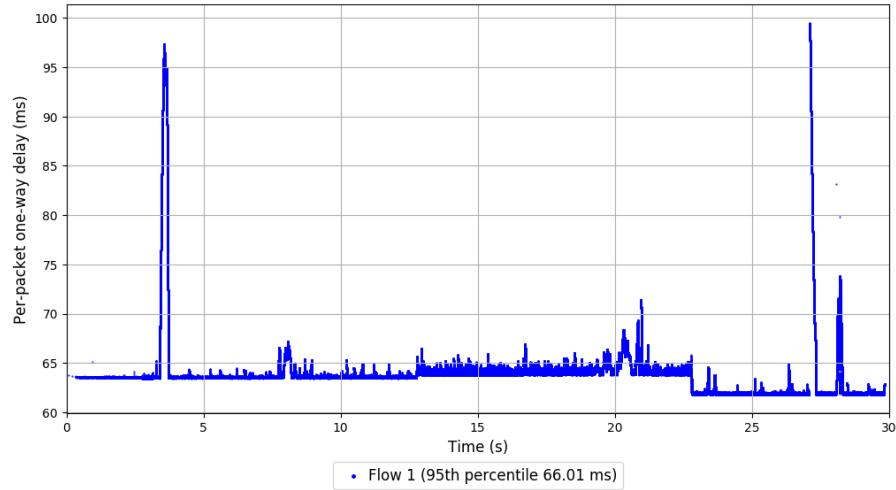
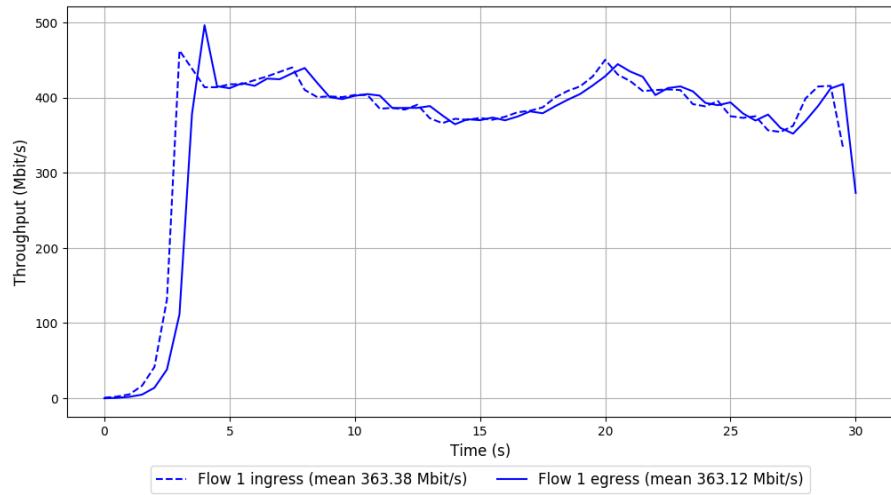


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-31 18:23:44
End at: 2018-05-31 18:24:14
Local clock offset: -0.048 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2018-05-31 22:18:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.12 Mbit/s
95th percentile per-packet one-way delay: 66.010 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 363.12 Mbit/s
95th percentile per-packet one-way delay: 66.010 ms
Loss rate: 0.50%
```

Run 4: Report of PCC-Vivace — Data Link

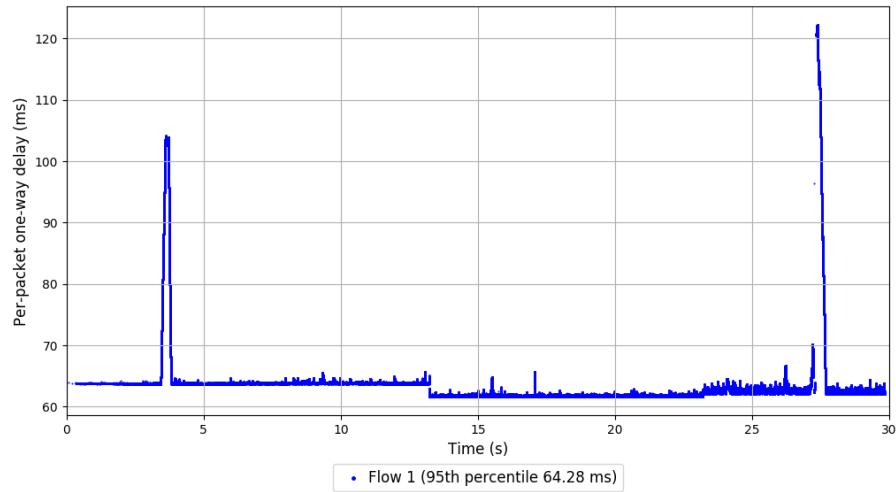
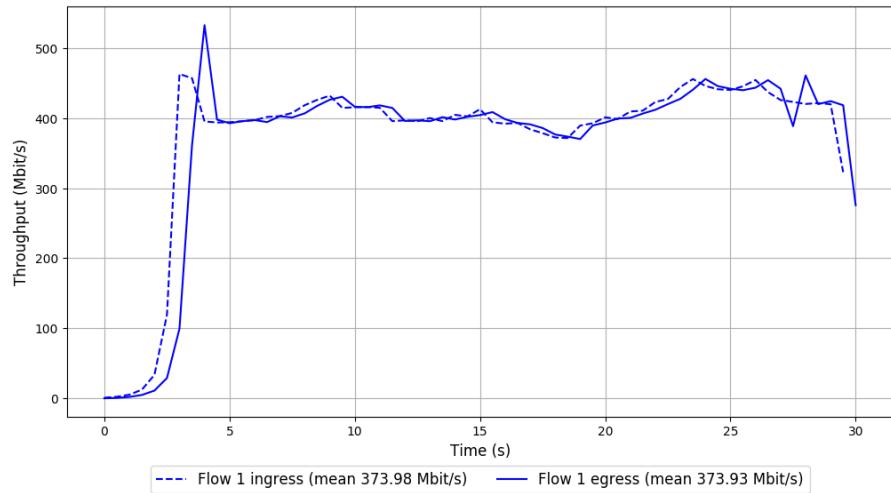


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-31 18:44:27
End at: 2018-05-31 18:44:57
Local clock offset: -0.022 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-05-31 22:18:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 373.93 Mbit/s
95th percentile per-packet one-way delay: 64.279 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 373.93 Mbit/s
95th percentile per-packet one-way delay: 64.279 ms
Loss rate: 0.44%
```

Run 5: Report of PCC-Vivace — Data Link

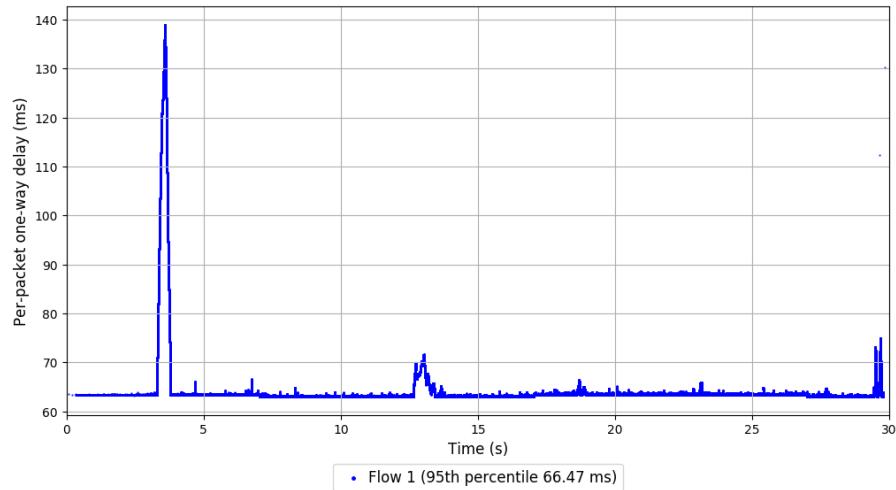
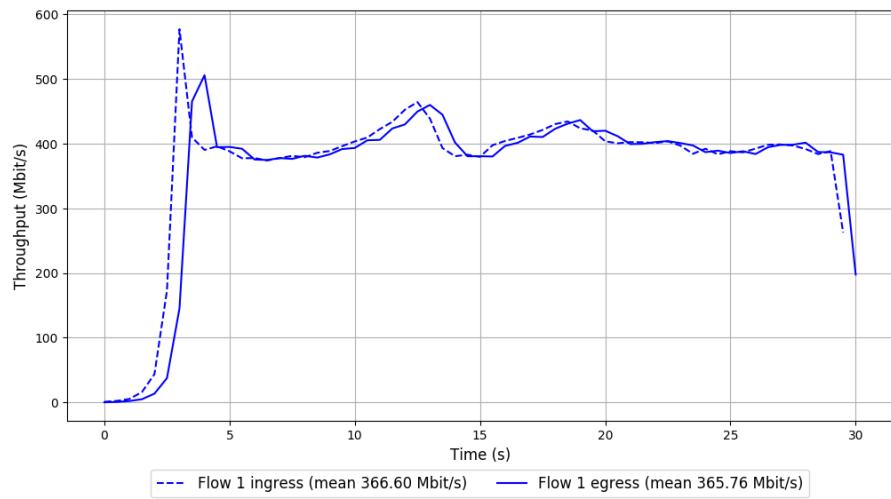


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-31 19:05:13
End at: 2018-05-31 19:05:43
Local clock offset: -0.103 ms
Remote clock offset: 0.115 ms

# Below is generated by plot.py at 2018-05-31 22:18:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 365.76 Mbit/s
95th percentile per-packet one-way delay: 66.466 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 365.76 Mbit/s
95th percentile per-packet one-way delay: 66.466 ms
Loss rate: 0.54%
```

Run 6: Report of PCC-Vivace — Data Link

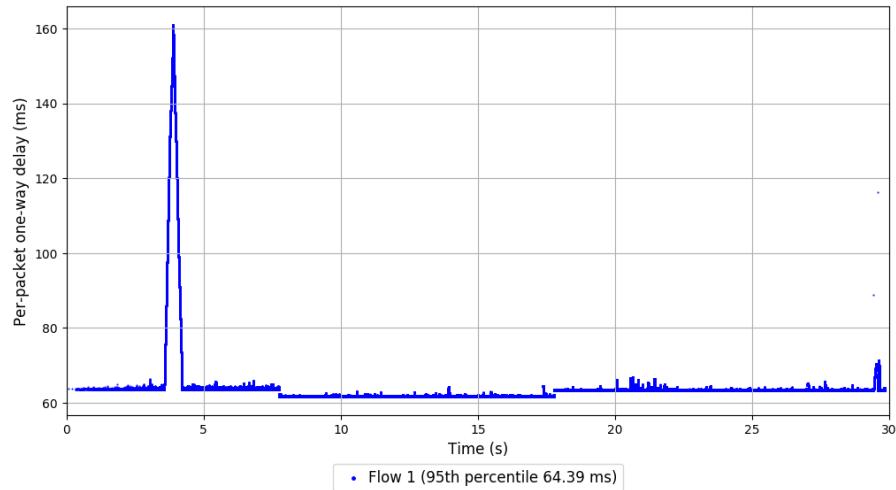
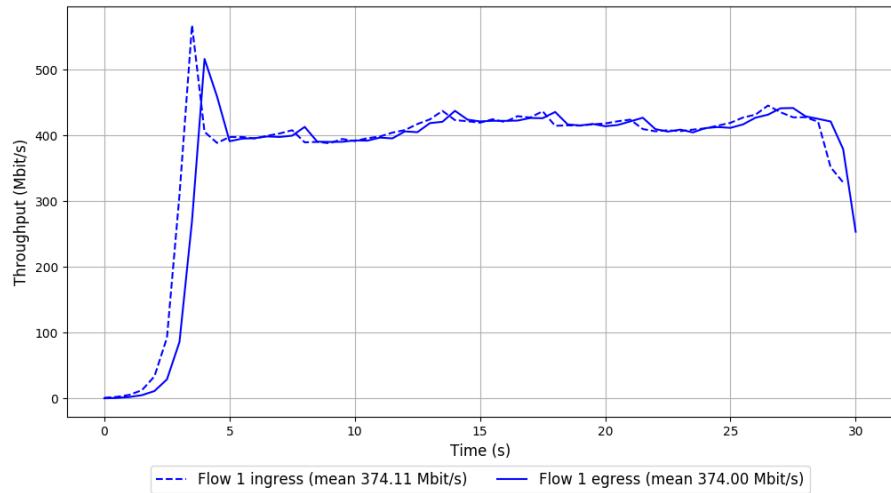


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-31 19:25:49
End at: 2018-05-31 19:26:20
Local clock offset: -0.062 ms
Remote clock offset: 0.1 ms

# Below is generated by plot.py at 2018-05-31 22:19:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 374.00 Mbit/s
95th percentile per-packet one-way delay: 64.390 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 374.00 Mbit/s
95th percentile per-packet one-way delay: 64.390 ms
Loss rate: 0.45%
```

Run 7: Report of PCC-Vivace — Data Link

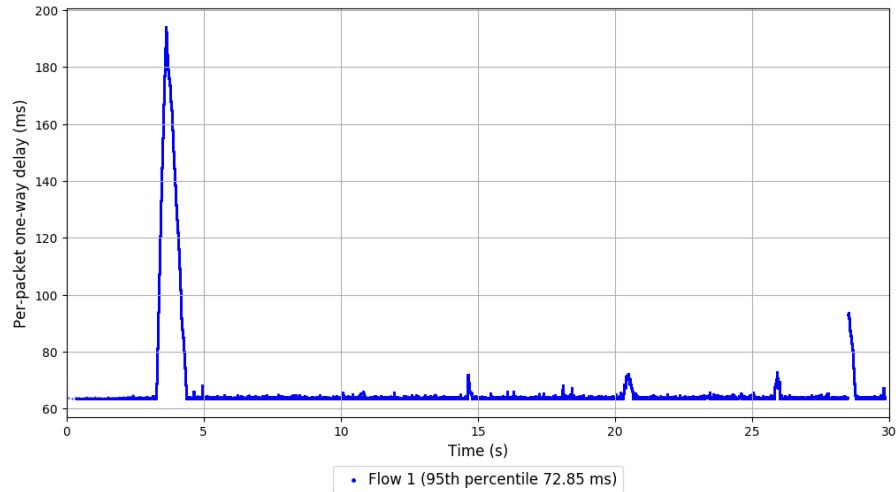
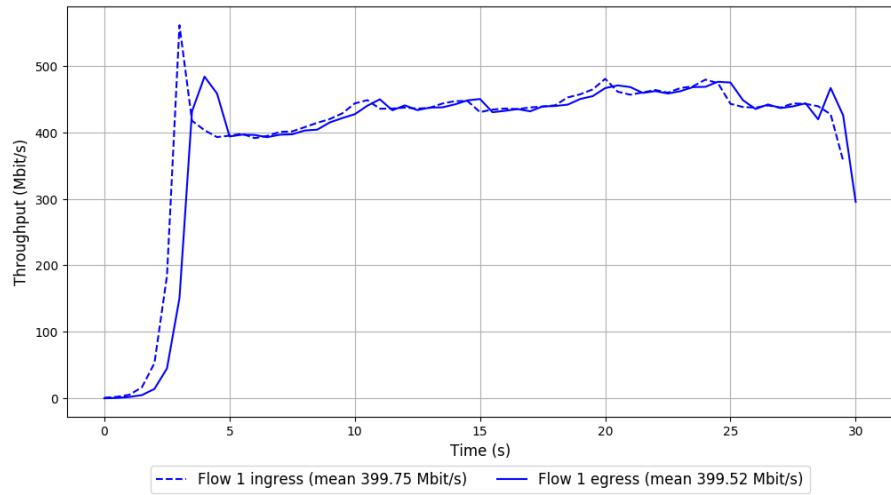


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-31 19:46:15
End at: 2018-05-31 19:46:45
Local clock offset: -0.033 ms
Remote clock offset: -0.286 ms

# Below is generated by plot.py at 2018-05-31 22:19:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 399.52 Mbit/s
95th percentile per-packet one-way delay: 72.847 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 399.52 Mbit/s
95th percentile per-packet one-way delay: 72.847 ms
Loss rate: 0.48%
```

Run 8: Report of PCC-Vivace — Data Link

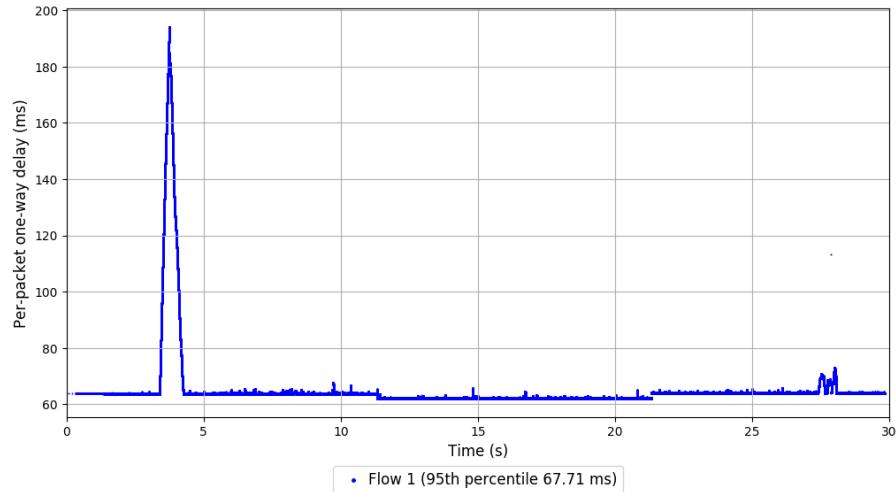
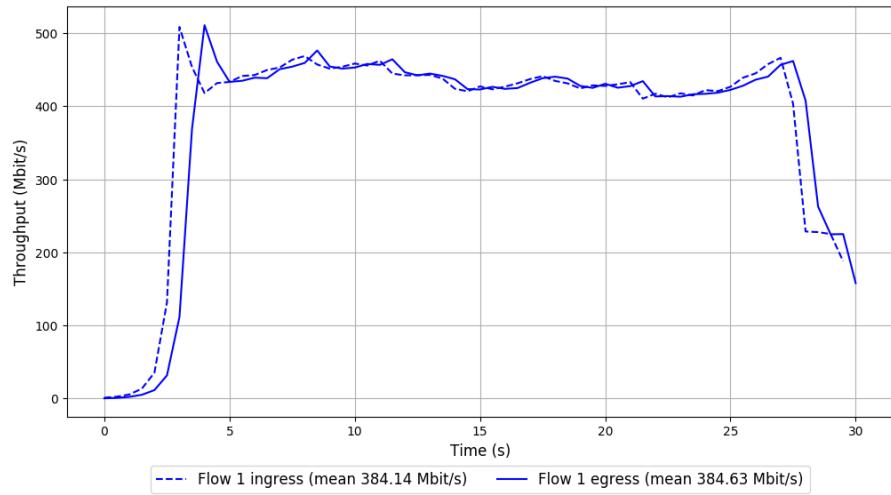


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-31 20:06:36
End at: 2018-05-31 20:07:06
Local clock offset: 0.006 ms
Remote clock offset: -0.431 ms

# Below is generated by plot.py at 2018-05-31 22:19:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 384.63 Mbit/s
95th percentile per-packet one-way delay: 67.711 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 384.63 Mbit/s
95th percentile per-packet one-way delay: 67.711 ms
Loss rate: 0.30%
```

Run 9: Report of PCC-Vivace — Data Link

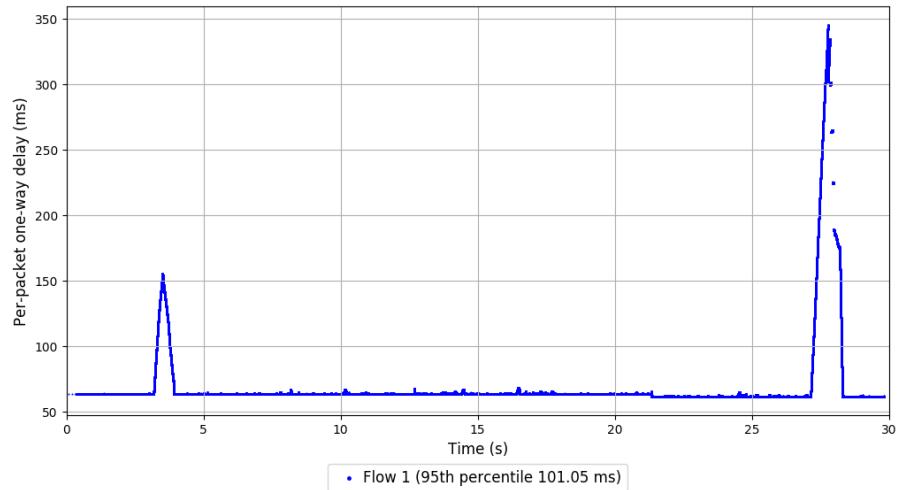
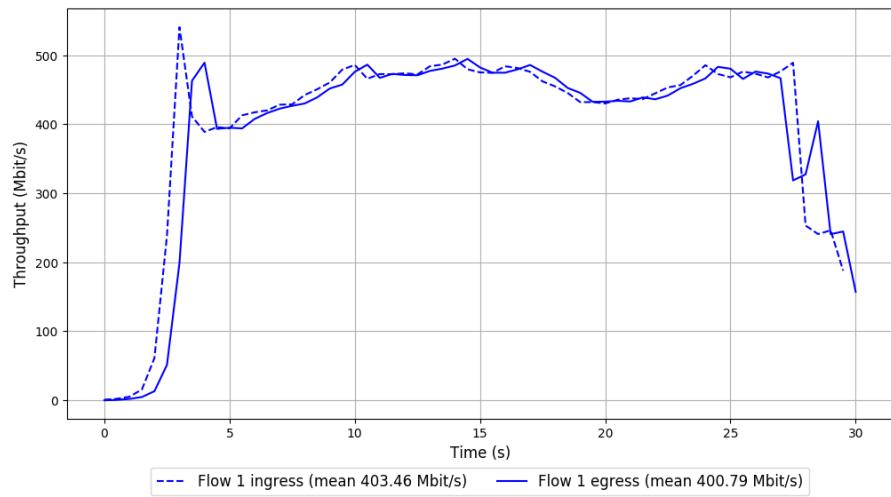


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-31 20:27:26
End at: 2018-05-31 20:27:56
Local clock offset: 0.005 ms
Remote clock offset: -0.261 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 400.79 Mbit/s
95th percentile per-packet one-way delay: 101.053 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 400.79 Mbit/s
95th percentile per-packet one-way delay: 101.053 ms
Loss rate: 1.08%
```

Run 10: Report of PCC-Vivace — Data Link

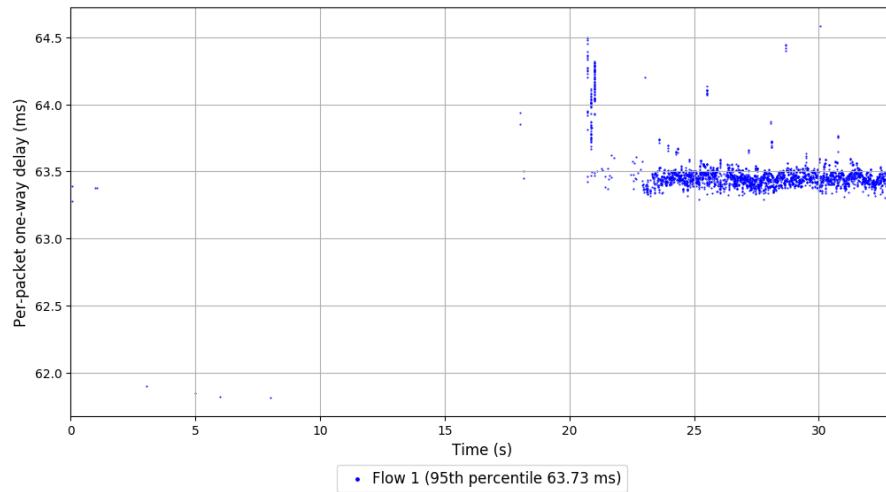
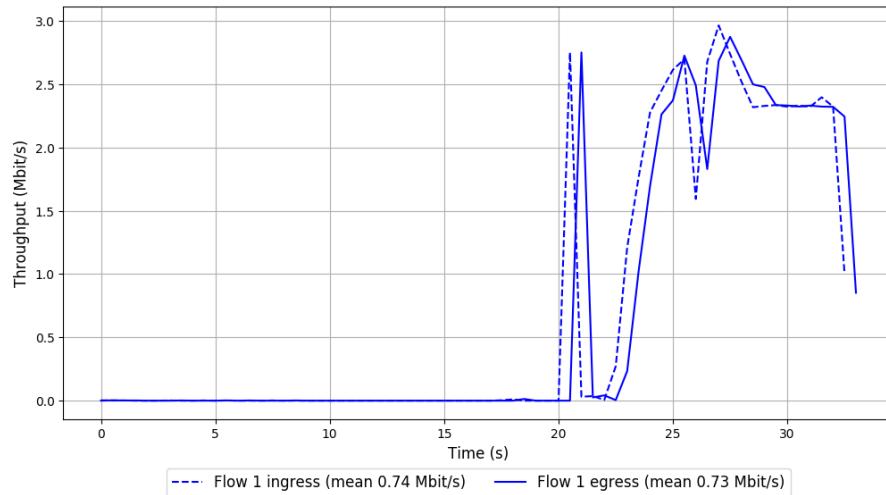


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-31 17:20:57
End at: 2018-05-31 17:21:27
Local clock offset: 0.037 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 63.731 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 63.731 ms
Loss rate: 1.12%
```

Run 1: Report of WebRTC media — Data Link

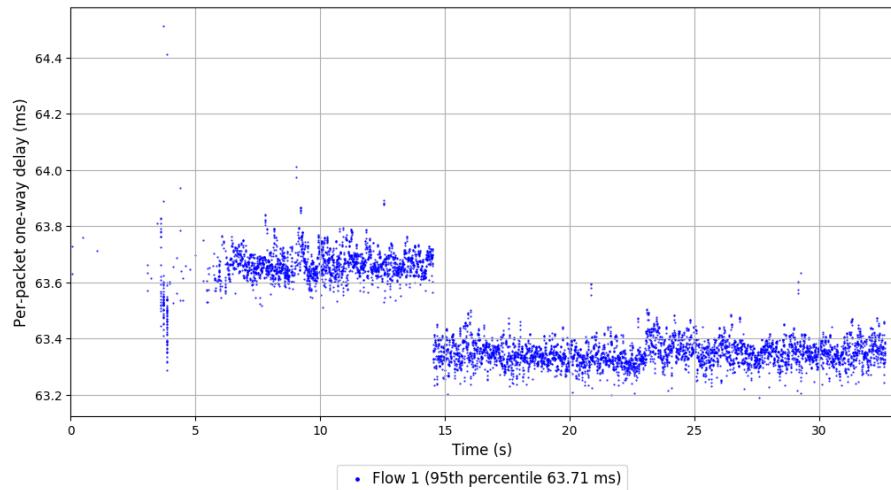
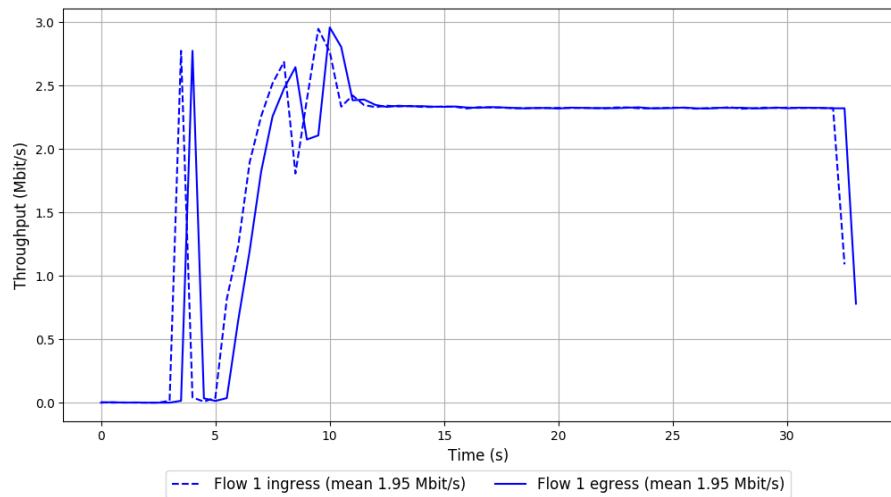


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-31 17:41:28
End at: 2018-05-31 17:41:59
Local clock offset: -0.027 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 63.712 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 63.712 ms
Loss rate: 0.49%
```

Run 2: Report of WebRTC media — Data Link

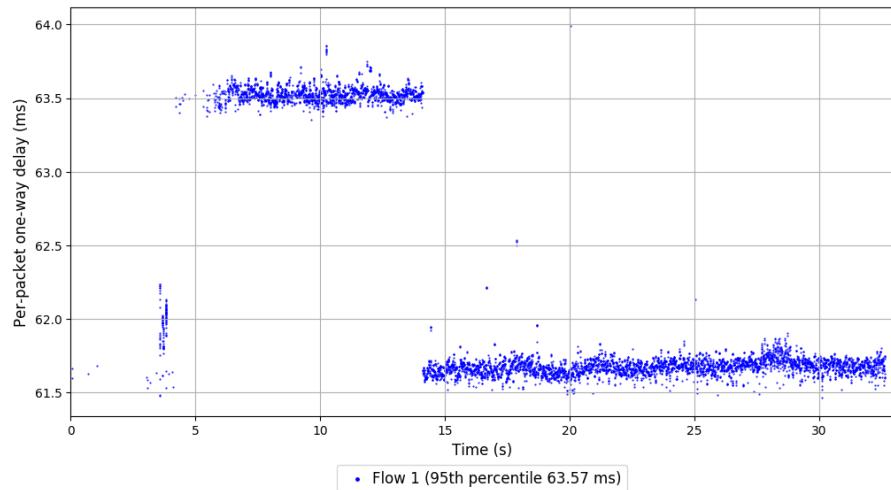
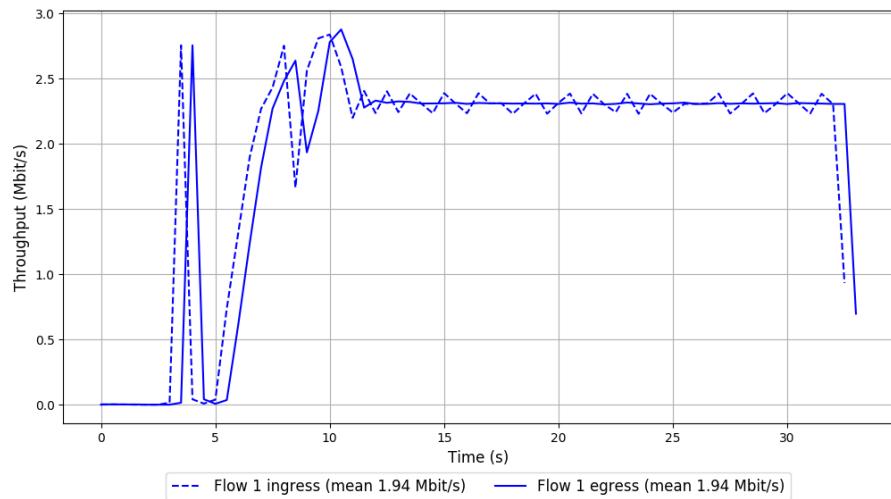


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-31 18:02:06
End at: 2018-05-31 18:02:36
Local clock offset: 0.01 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 63.568 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 63.568 ms
Loss rate: 0.43%
```

Run 3: Report of WebRTC media — Data Link

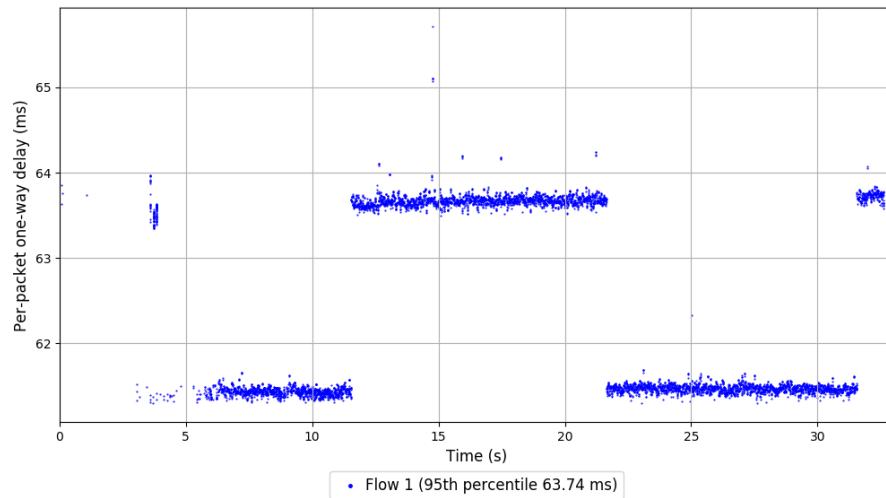
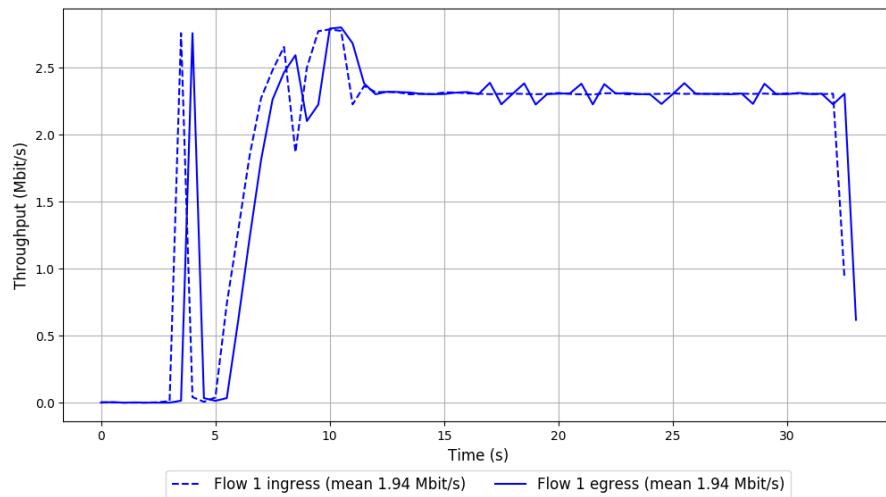


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-31 18:22:38
End at: 2018-05-31 18:23:08
Local clock offset: -0.045 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 63.739 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 63.739 ms
Loss rate: 0.48%
```

Run 4: Report of WebRTC media — Data Link

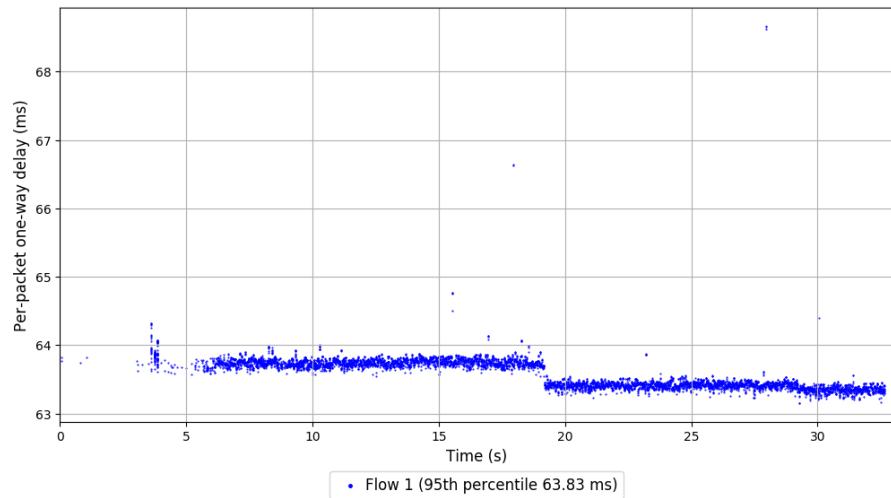
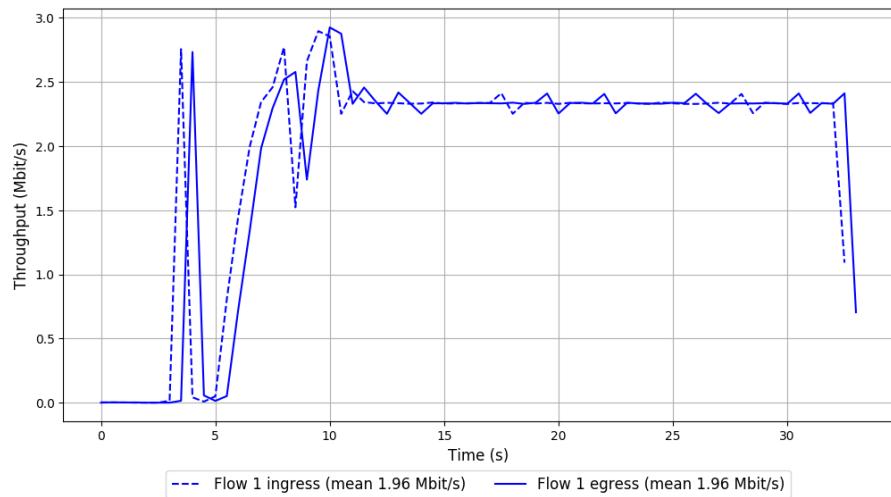


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-31 18:43:21
End at: 2018-05-31 18:43:51
Local clock offset: -0.108 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 0.49%
```

Run 5: Report of WebRTC media — Data Link

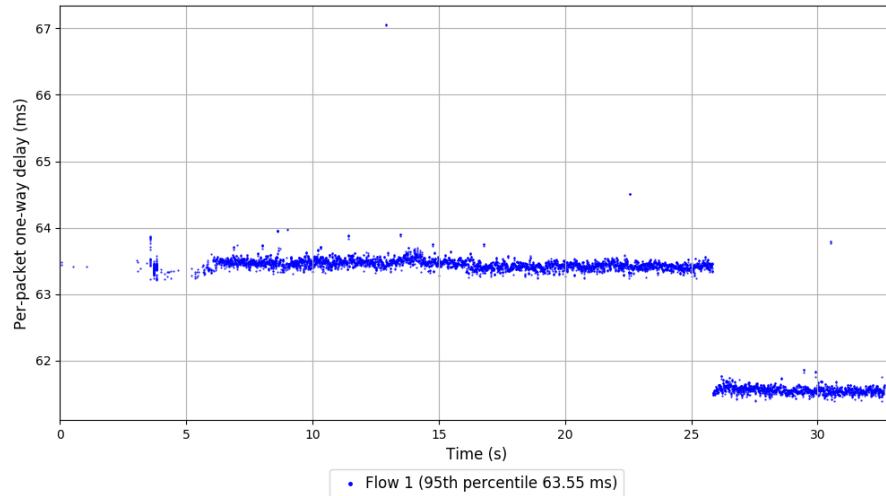
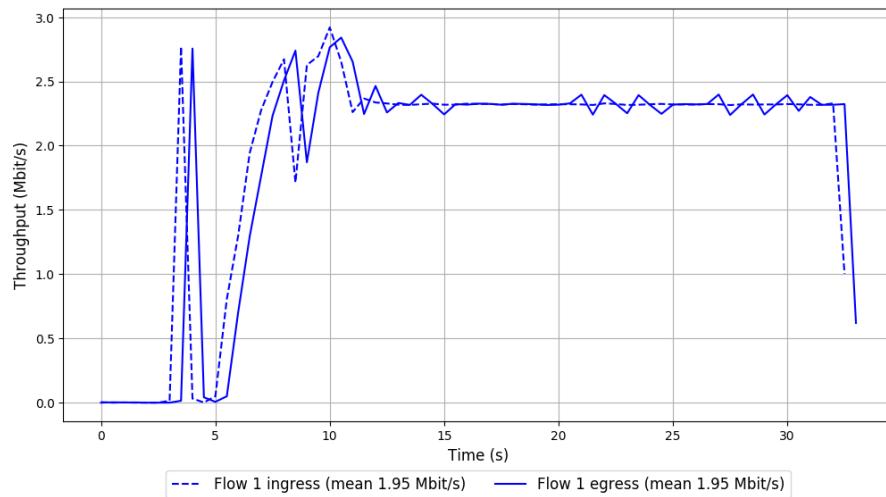


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-31 19:04:07
End at: 2018-05-31 19:04:37
Local clock offset: -0.055 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 63.555 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 63.555 ms
Loss rate: 0.48%
```

Run 6: Report of WebRTC media — Data Link

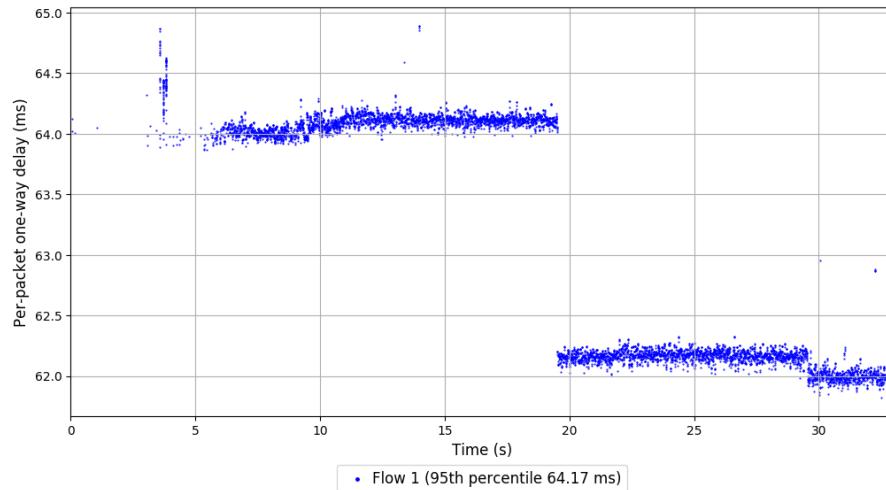
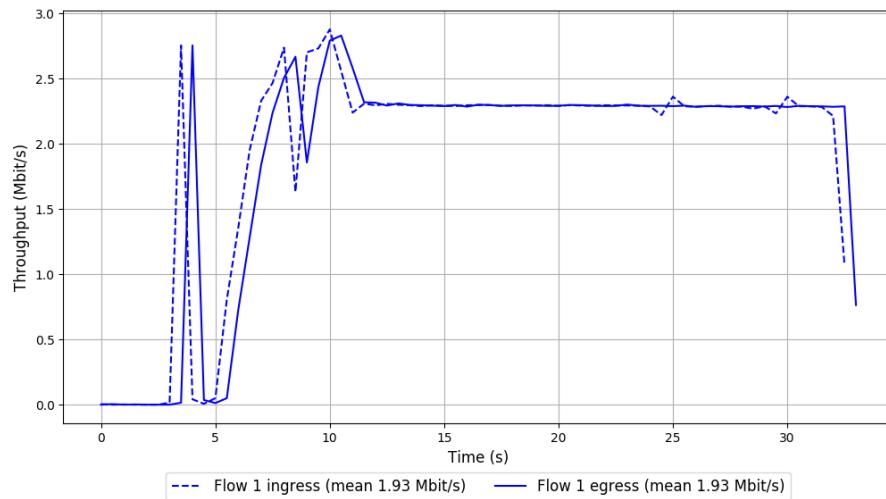


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-31 19:24:44
End at: 2018-05-31 19:25:14
Local clock offset: -0.089 ms
Remote clock offset: -0.406 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 64.172 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 64.172 ms
Loss rate: 0.42%
```

Run 7: Report of WebRTC media — Data Link

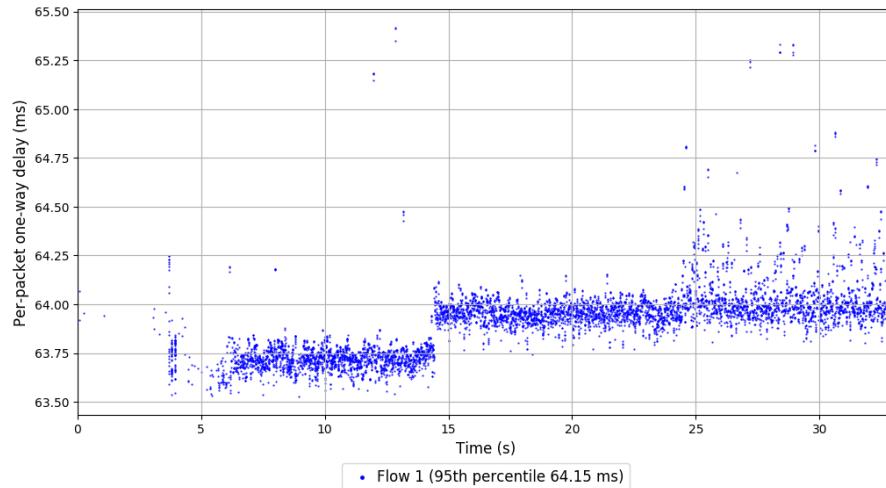
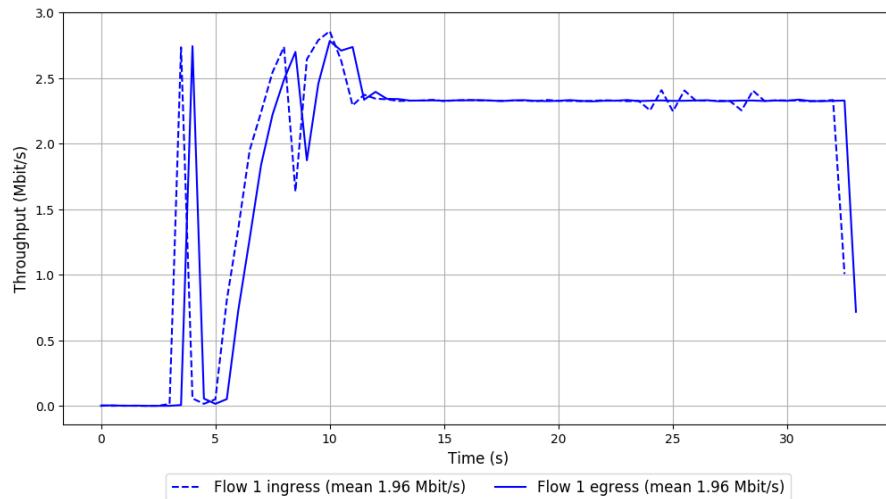


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-31 19:45:09
End at: 2018-05-31 19:45:39
Local clock offset: -0.027 ms
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 64.149 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 64.149 ms
Loss rate: 0.47%
```

### Run 8: Report of WebRTC media — Data Link

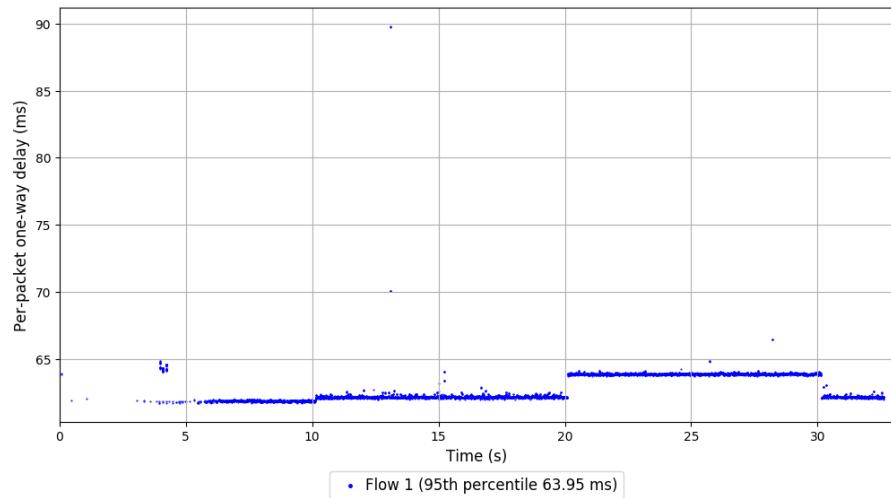
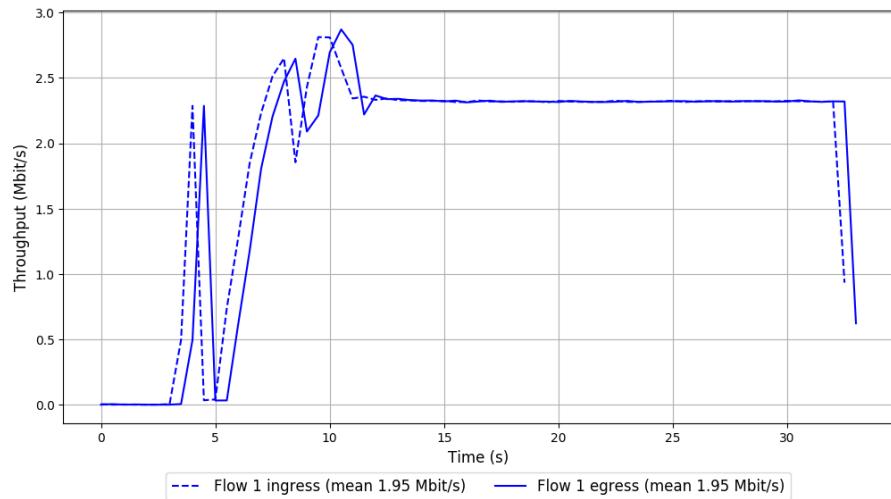


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-31 20:05:30
End at: 2018-05-31 20:06:00
Local clock offset: -0.039 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 63.949 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 63.949 ms
Loss rate: 0.49%
```

### Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-31 20:26:20
End at: 2018-05-31 20:26:50
Local clock offset: 0.019 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2018-05-31 22:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 72.097 ms
Loss rate: 11.67%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 72.097 ms
Loss rate: 11.67%
```

Run 10: Report of WebRTC media — Data Link

