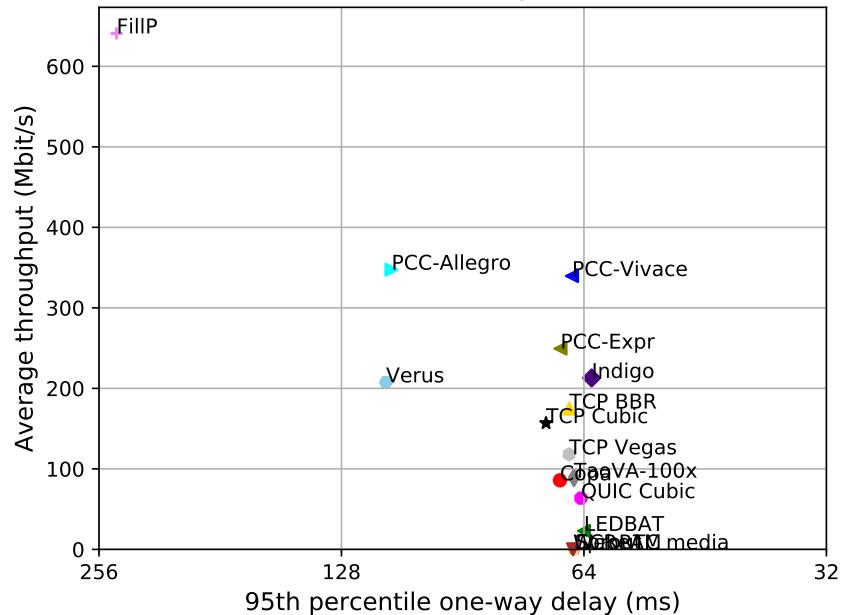


## Pantheon Report

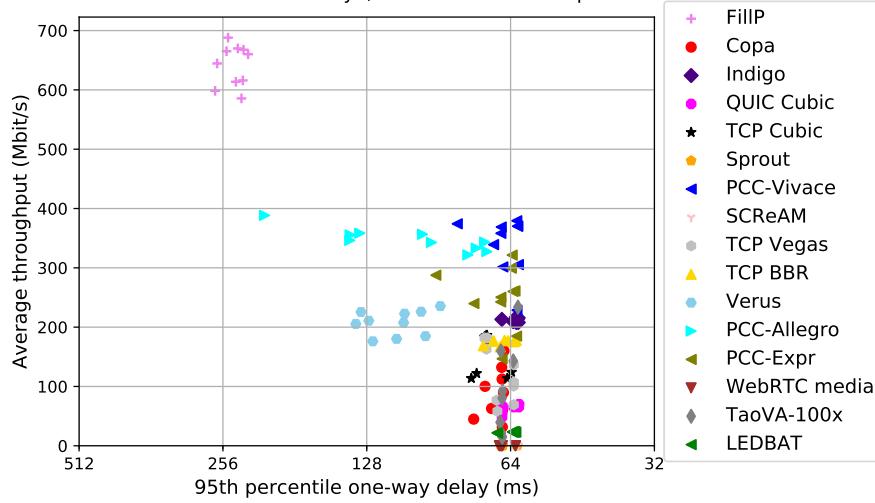
Generated at 2018-05-25 02:49:31 (UTC).  
Data path: GCE Iowa Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against `time.google.com` and have been applied  
to correct the timestamps in logs.

```
Git summary:  
branch: master @ 0088822873ea99180f63545a341ef069f40efe59  
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  
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
  M src/verus.hpp  
  M tools/plot.py  
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4  
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa to GCE Tokyo, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from GCE Iowa to GCE Tokyo, 10 runs of 30s each per scheme



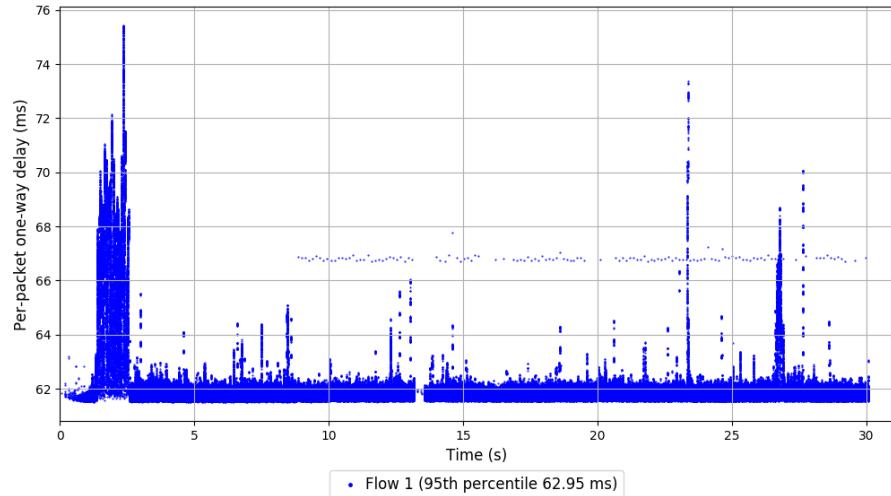
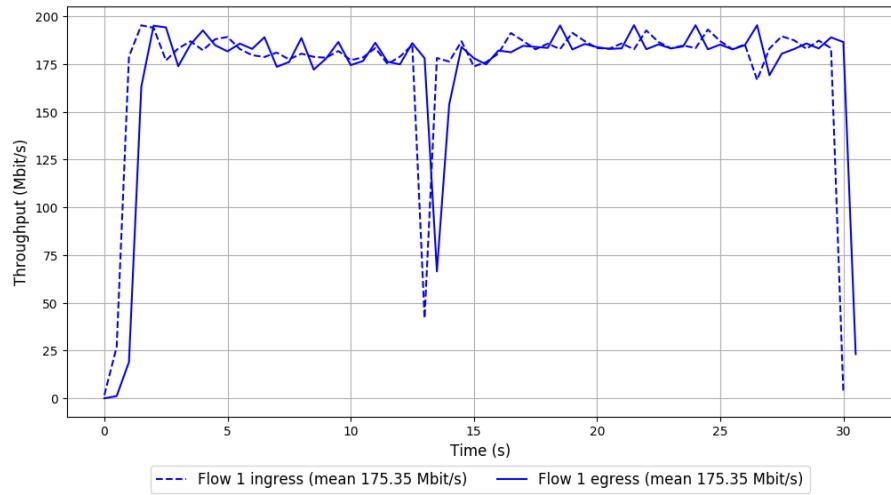
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	174.93	66.73	0.00
Copa	10	85.78	68.55	0.00
TCP Cubic	10	156.83	71.33	0.00
FillP	10	640.94	243.44	0.28
Indigo	10	212.92	62.61	0.01
LEDBAT	10	22.92	64.01	0.00
PCC-Allegro	10	347.38	110.94	0.31
PCC-Expr	10	249.40	68.45	0.12
QUIC Cubic	9	63.68	64.54	0.00
SCReAM	10	0.22	65.42	0.00
Sprout	10	0.54	65.82	0.00
TaoVA-100x	9	89.07	65.87	0.00
TCP Vegas	10	118.10	66.78	0.00
Verus	10	207.48	112.70	0.07
PCC-Vivace	10	339.56	66.23	0.06
WebRTC media	9	0.05	66.02	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-24 22:00:11
End at: 2018-05-24 22:00:41
Local clock offset: -0.049 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-05-25 01:30:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.35 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.35 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 0.00%
```

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

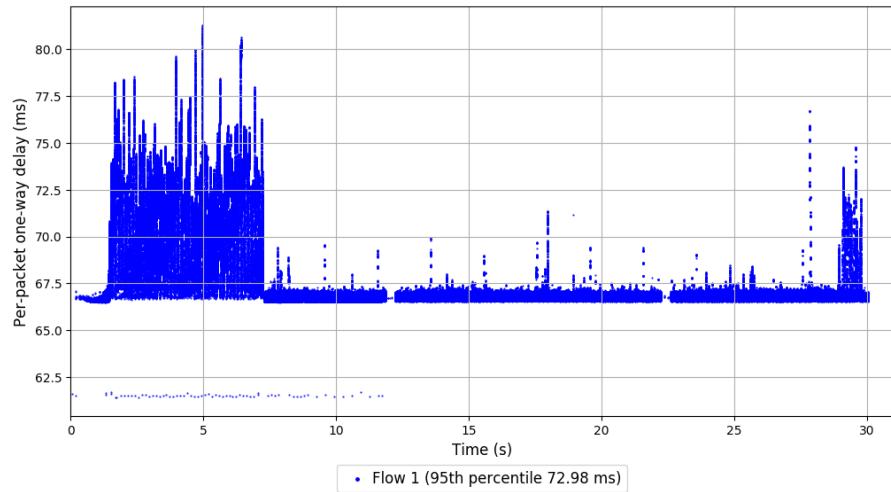
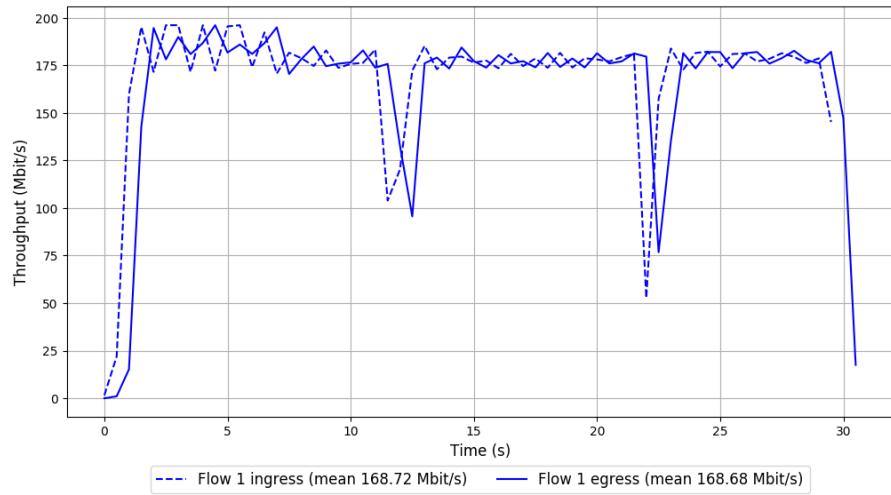


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-24 22:20:28
End at: 2018-05-24 22:20:58
Local clock offset: 0.007 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-25 01:30:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.68 Mbit/s
95th percentile per-packet one-way delay: 72.980 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 168.68 Mbit/s
95th percentile per-packet one-way delay: 72.980 ms
Loss rate: 0.02%
```

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

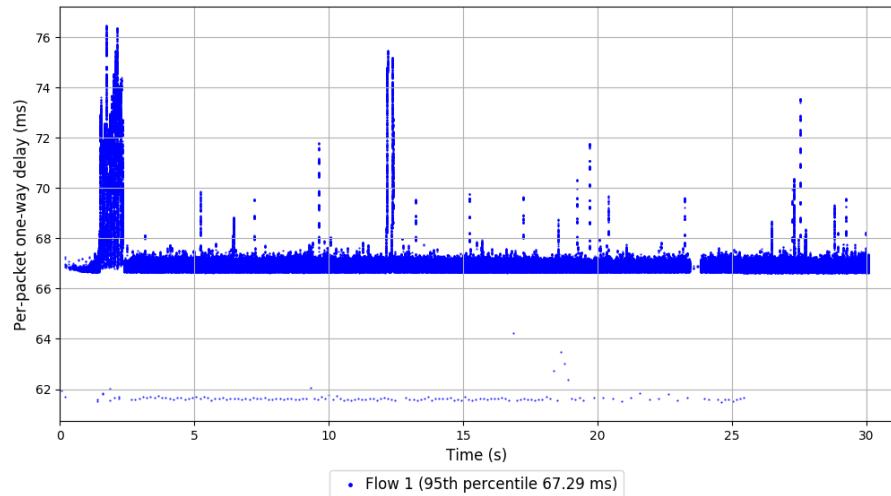
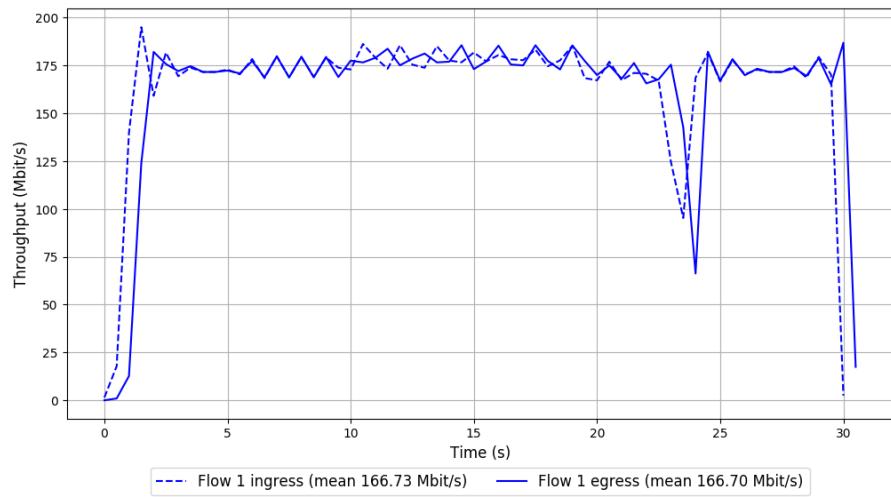


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-24 22:40:34
End at: 2018-05-24 22:41:04
Local clock offset: -0.033 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-05-25 01:30:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.70 Mbit/s
95th percentile per-packet one-way delay: 67.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.70 Mbit/s
95th percentile per-packet one-way delay: 67.291 ms
Loss rate: 0.00%
```

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

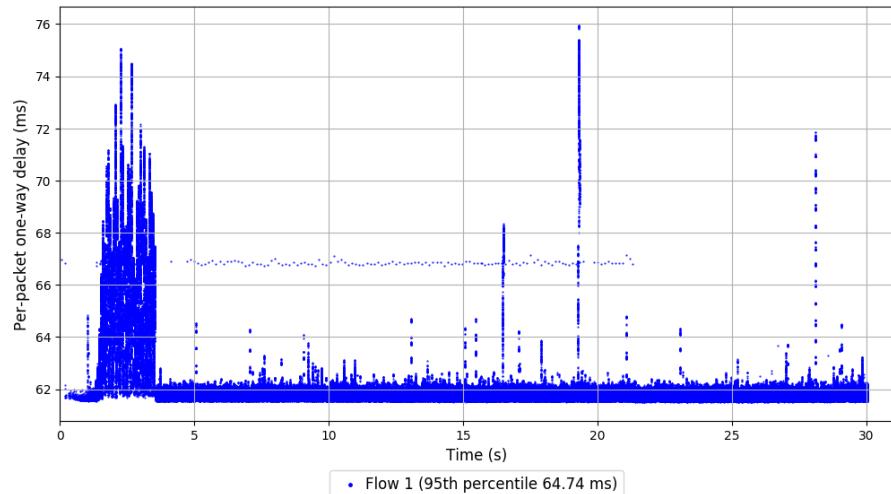
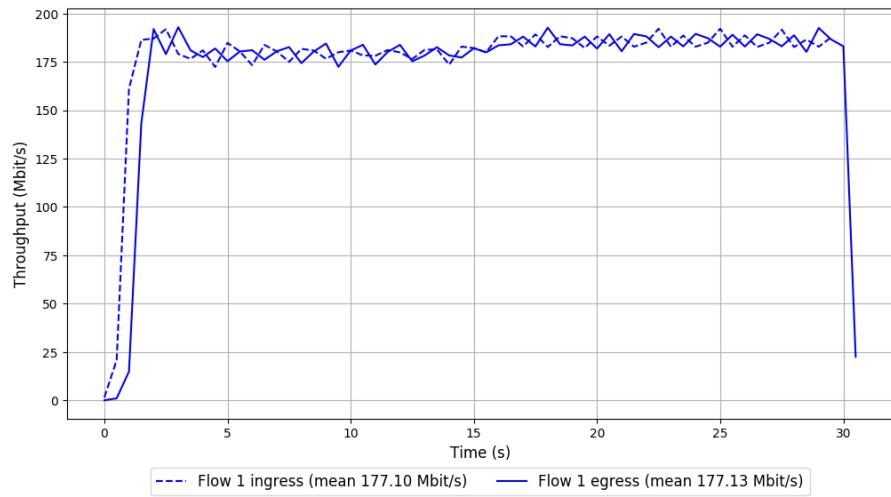


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-24 23:00:38
End at: 2018-05-24 23:01:08
Local clock offset: -0.048 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2018-05-25 01:30:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.13 Mbit/s
95th percentile per-packet one-way delay: 64.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.13 Mbit/s
95th percentile per-packet one-way delay: 64.740 ms
Loss rate: 0.00%
```

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

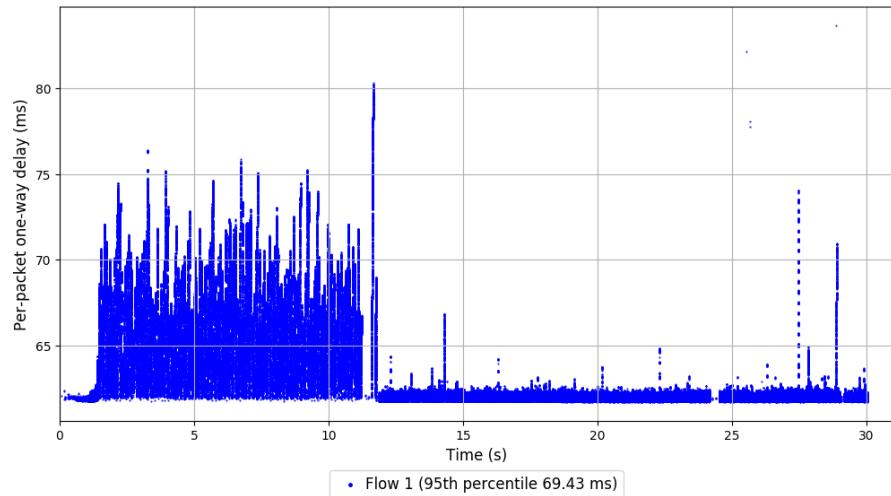
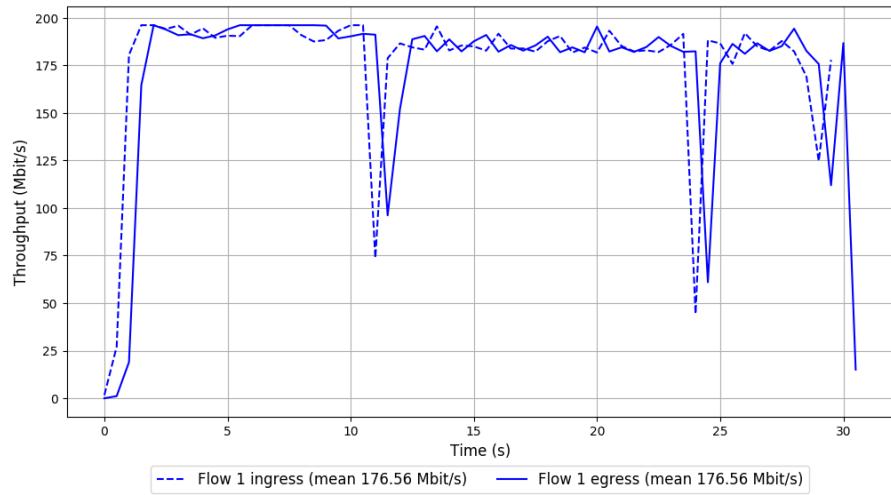


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-24 23:21:01
End at: 2018-05-24 23:21:31
Local clock offset: -0.1 ms
Remote clock offset: 0.141 ms

# Below is generated by plot.py at 2018-05-25 01:30:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.56 Mbit/s
95th percentile per-packet one-way delay: 69.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.56 Mbit/s
95th percentile per-packet one-way delay: 69.427 ms
Loss rate: 0.00%
```

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

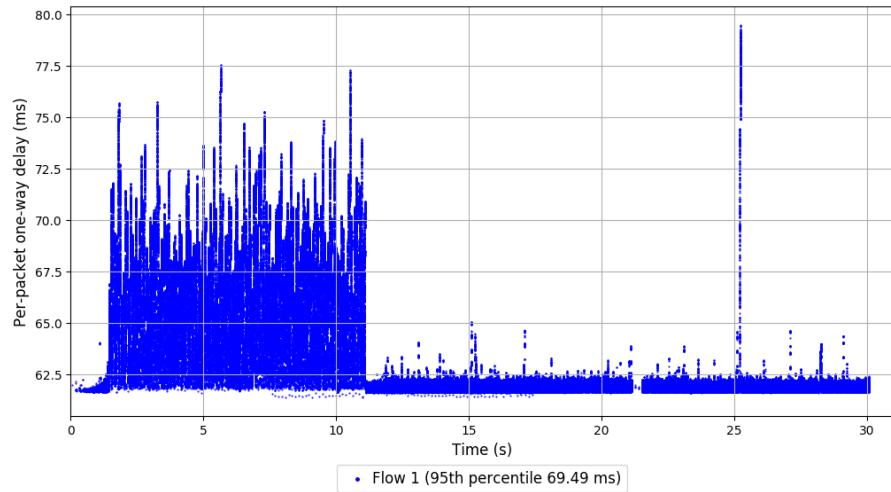
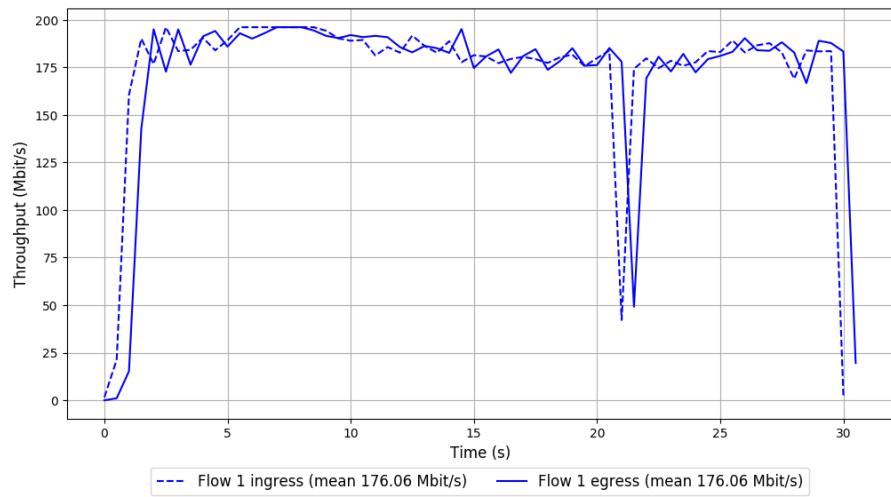


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-24 23:41:12
End at: 2018-05-24 23:41:42
Local clock offset: 0.013 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-05-25 01:30:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.06 Mbit/s
95th percentile per-packet one-way delay: 69.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.06 Mbit/s
95th percentile per-packet one-way delay: 69.490 ms
Loss rate: 0.00%
```

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

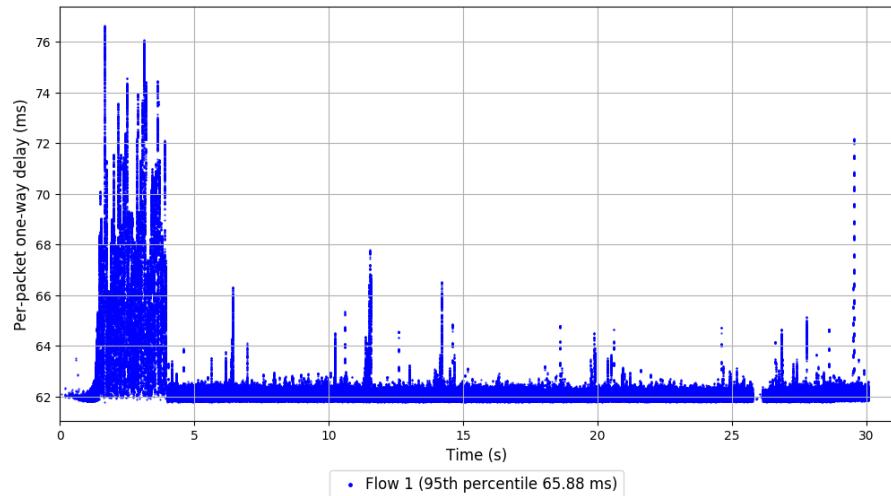
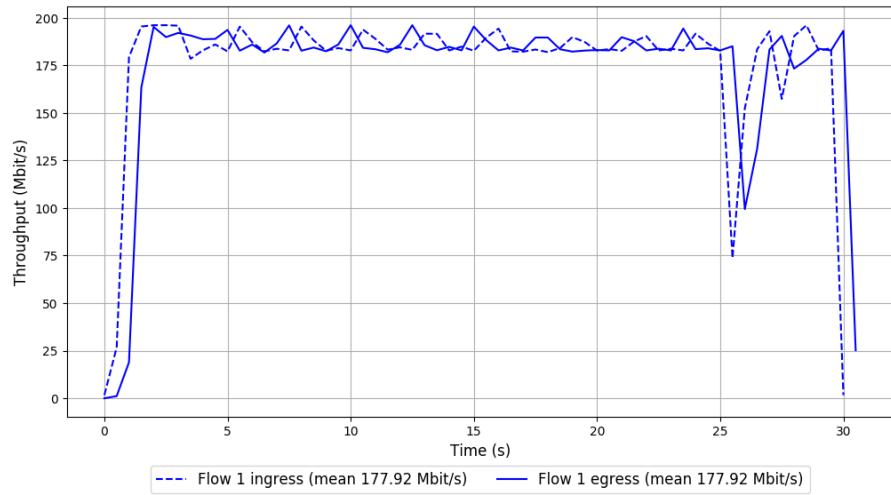


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-25 00:01:21
End at: 2018-05-25 00:01:51
Local clock offset: 0.012 ms
Remote clock offset: 0.321 ms

# Below is generated by plot.py at 2018-05-25 01:30:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.92 Mbit/s
95th percentile per-packet one-way delay: 65.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.92 Mbit/s
95th percentile per-packet one-way delay: 65.883 ms
Loss rate: 0.00%
```

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

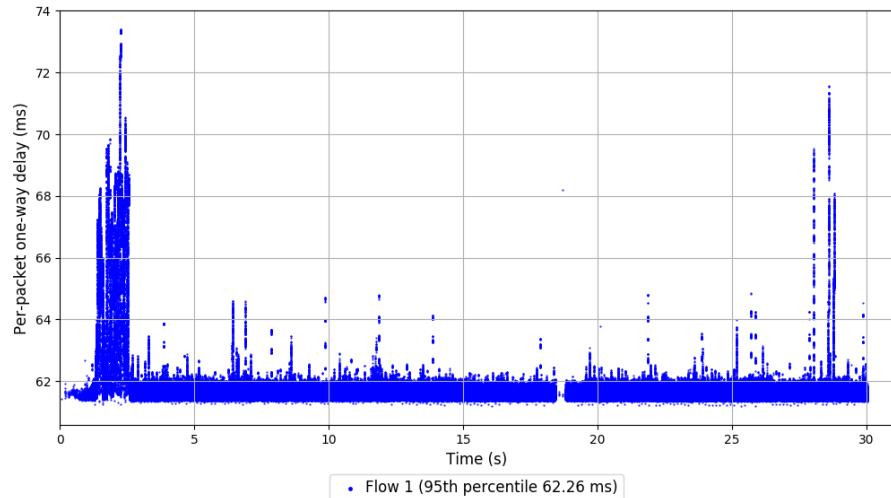
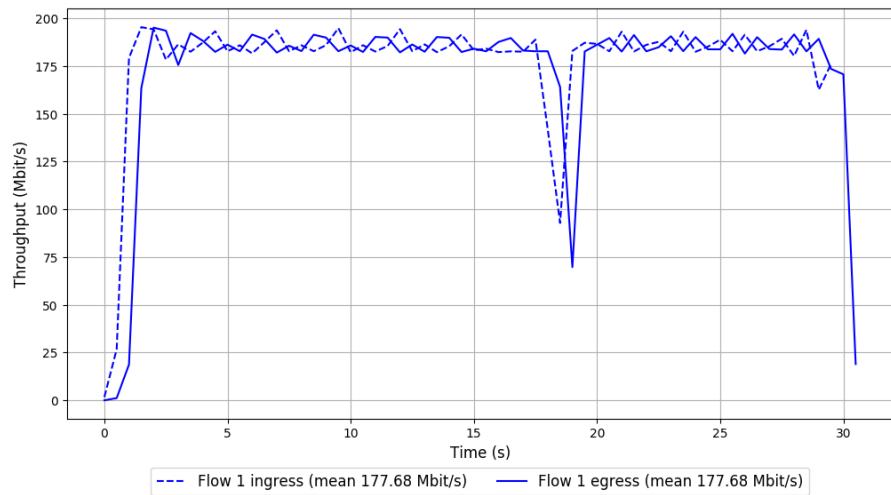


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-25 00:21:27
End at: 2018-05-25 00:21:57
Local clock offset: -0.022 ms
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2018-05-25 01:30:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 62.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 62.258 ms
Loss rate: 0.00%
```

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

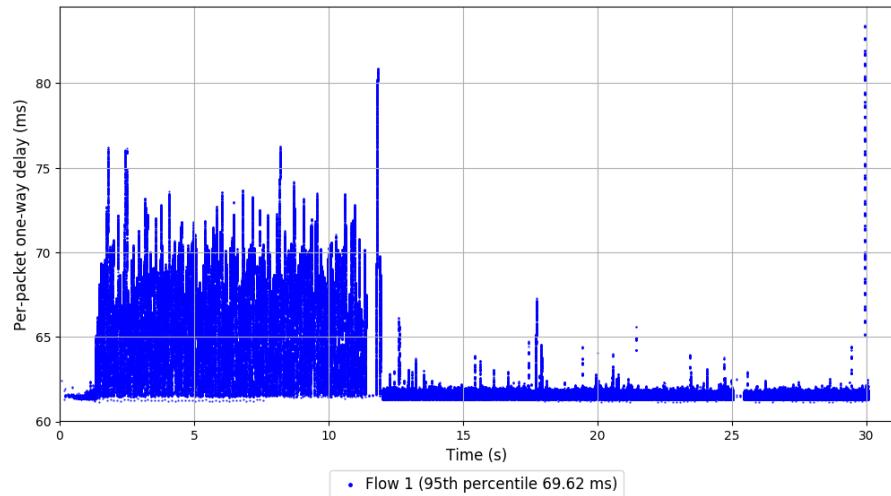
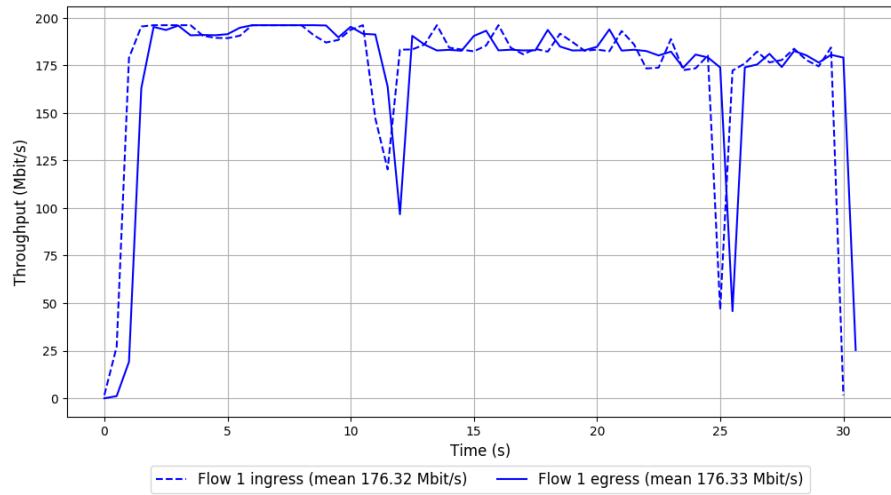


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-25 00:41:02
End at: 2018-05-25 00:41:32
Local clock offset: -0.033 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-25 01:34:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.33 Mbit/s
95th percentile per-packet one-way delay: 69.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.33 Mbit/s
95th percentile per-packet one-way delay: 69.624 ms
Loss rate: 0.00%
```

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

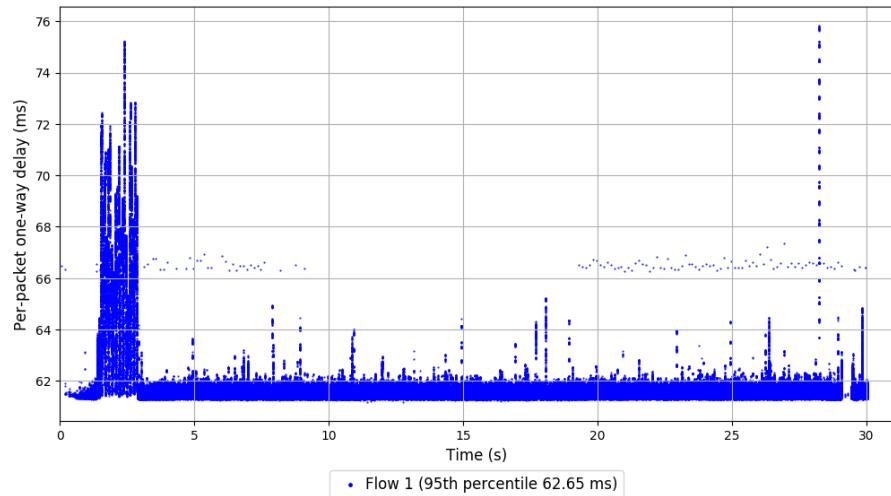
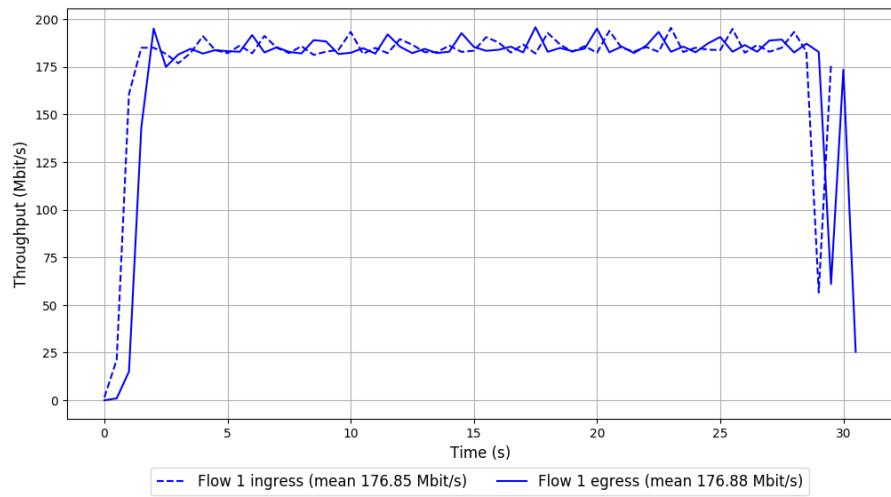


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-25 01:01:10
End at: 2018-05-25 01:01:40
Local clock offset: -0.065 ms
Remote clock offset: -0.207 ms

# Below is generated by plot.py at 2018-05-25 01:34:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.88 Mbit/s
95th percentile per-packet one-way delay: 62.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.88 Mbit/s
95th percentile per-packet one-way delay: 62.654 ms
Loss rate: 0.00%
```

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

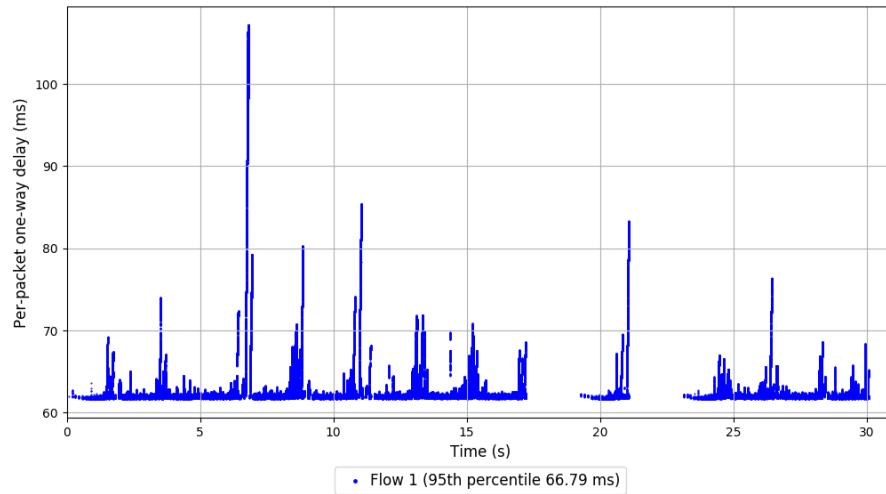
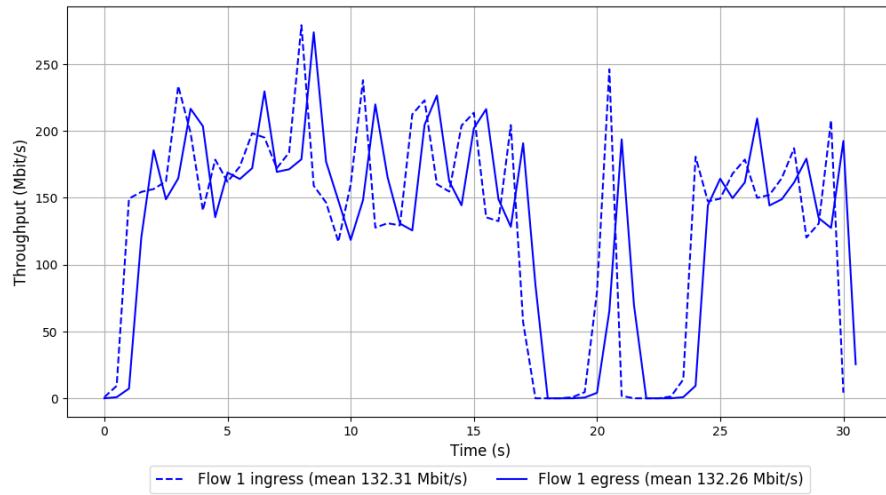


Run 1: Statistics of Copa

```
Start at: 2018-05-24 22:01:25
End at: 2018-05-24 22:01:55
Local clock offset: -0.053 ms
Remote clock offset: 0.225 ms

# Below is generated by plot.py at 2018-05-25 01:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.26 Mbit/s
95th percentile per-packet one-way delay: 66.793 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 132.26 Mbit/s
95th percentile per-packet one-way delay: 66.793 ms
Loss rate: 0.03%
```

### Run 1: Report of Copa — Data Link

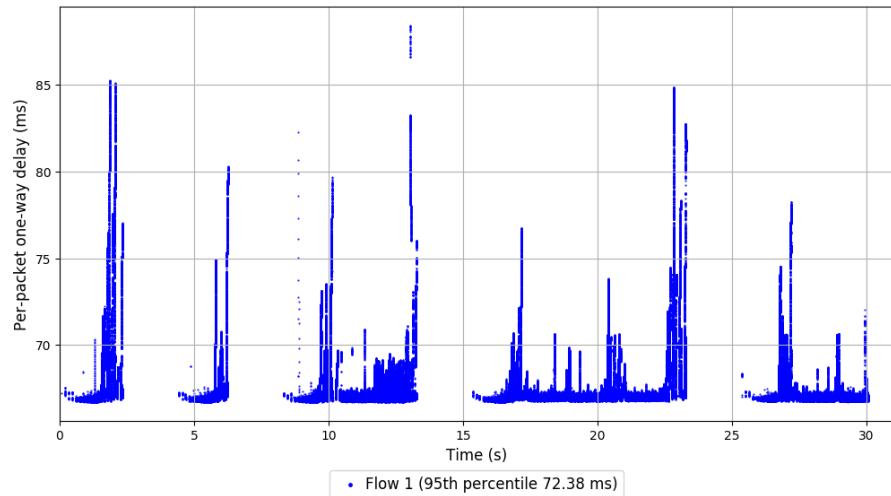
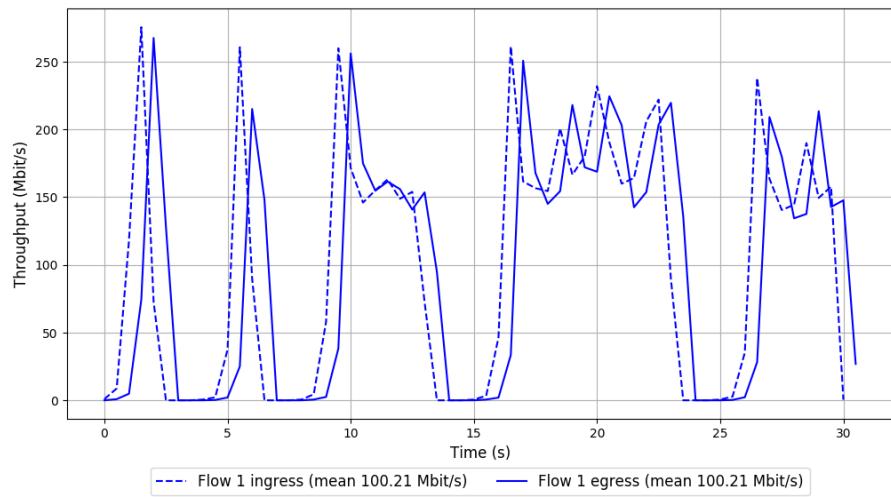


Run 2: Statistics of Copa

```
Start at: 2018-05-24 22:21:42
End at: 2018-05-24 22:22:12
Local clock offset: -0.0 ms
Remote clock offset: 0.19 ms

# Below is generated by plot.py at 2018-05-25 01:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.21 Mbit/s
95th percentile per-packet one-way delay: 72.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.21 Mbit/s
95th percentile per-packet one-way delay: 72.380 ms
Loss rate: 0.00%
```

## Run 2: Report of Copa — Data Link

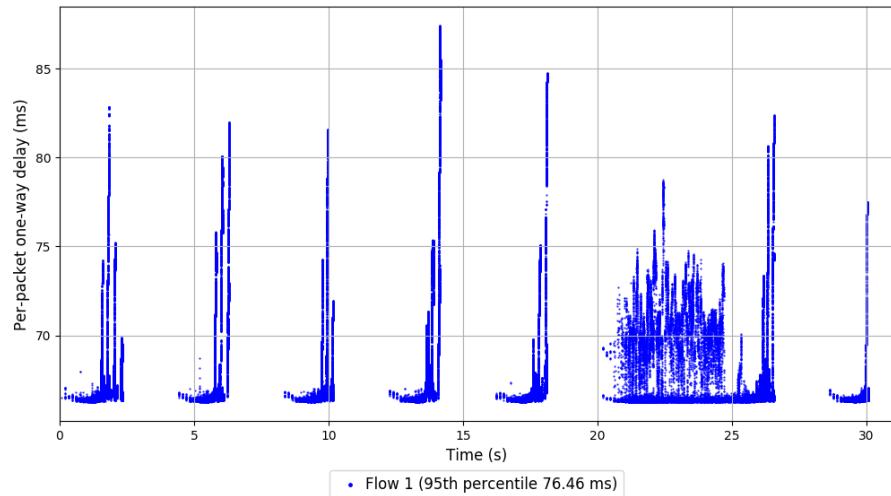
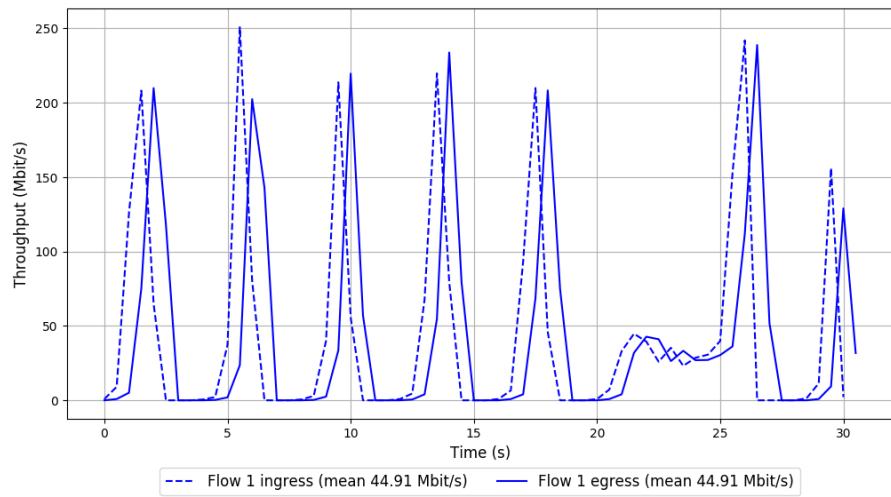


Run 3: Statistics of Copa

```
Start at: 2018-05-24 22:41:48
End at: 2018-05-24 22:42:18
Local clock offset: -0.013 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2018-05-25 01:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 76.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 76.457 ms
Loss rate: 0.00%
```

### Run 3: Report of Copa — Data Link

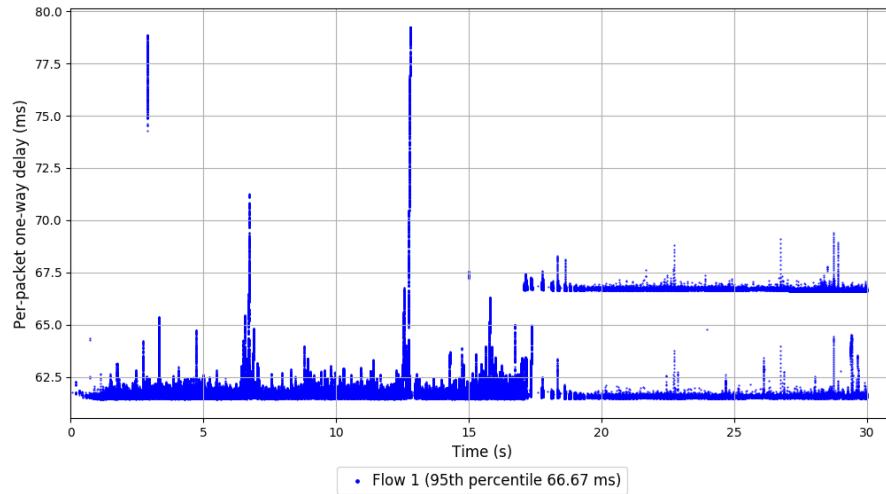
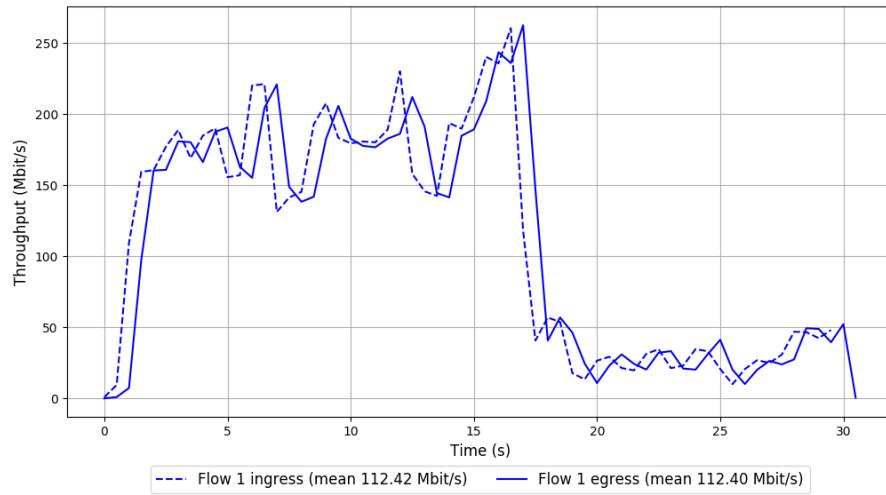


Run 4: Statistics of Copa

```
Start at: 2018-05-24 23:01:52
End at: 2018-05-24 23:02:22
Local clock offset: -0.019 ms
Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2018-05-25 01:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.40 Mbit/s
95th percentile per-packet one-way delay: 66.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.40 Mbit/s
95th percentile per-packet one-way delay: 66.675 ms
Loss rate: 0.00%
```

## Run 4: Report of Copa — Data Link

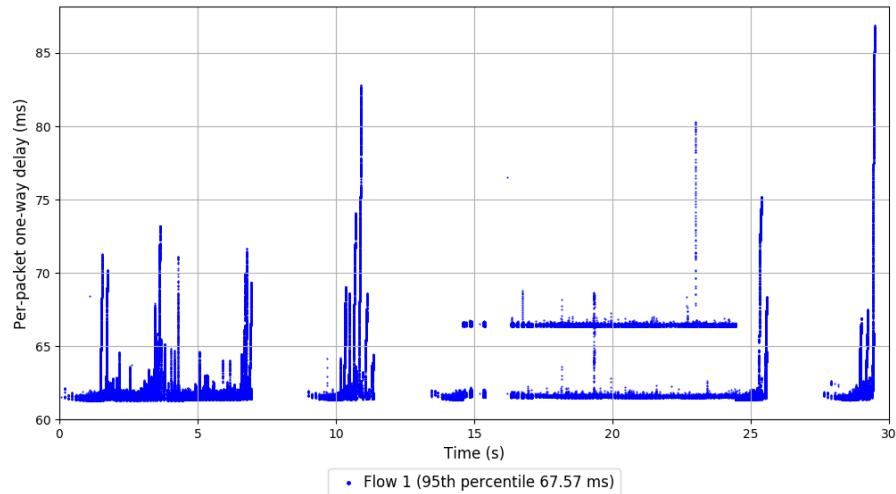
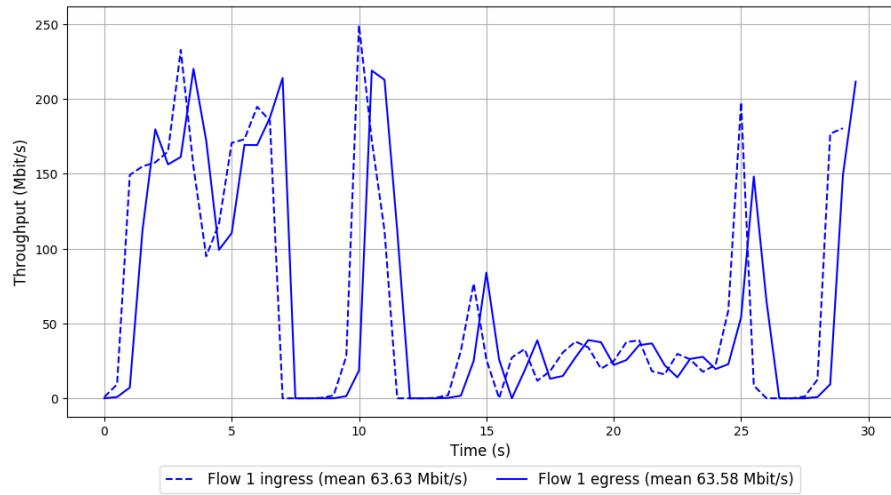


Run 5: Statistics of Copa

```
Start at: 2018-05-24 23:22:15
End at: 2018-05-24 23:22:45
Local clock offset: -0.116 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-05-25 01:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 67.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 67.568 ms
Loss rate: 0.00%
```

### Run 5: Report of Copa — Data Link

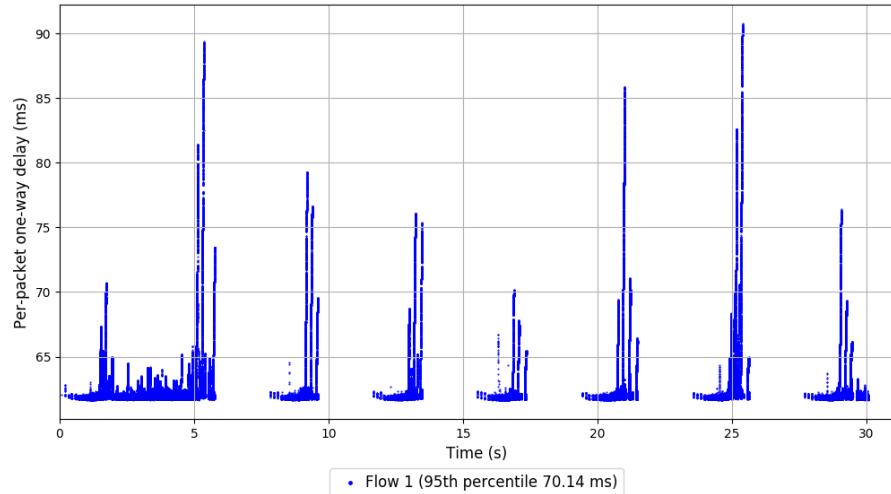
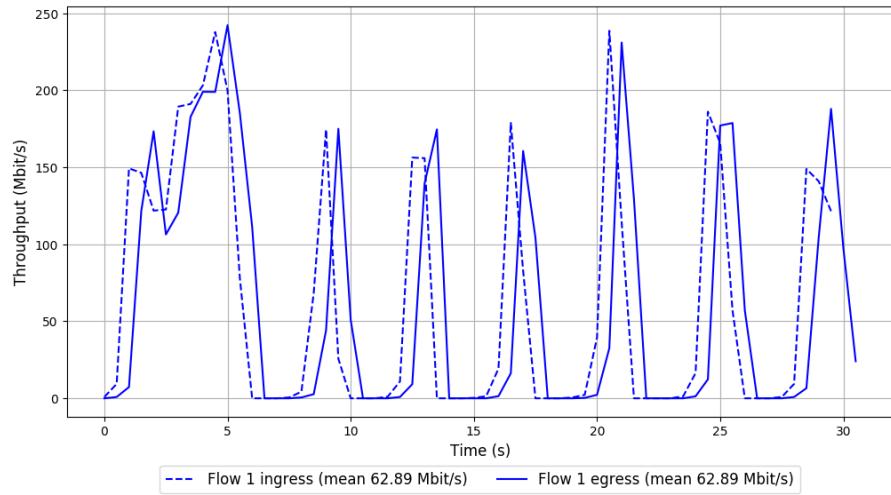


Run 6: Statistics of Copa

```
Start at: 2018-05-24 23:42:27
End at: 2018-05-24 23:42:57
Local clock offset: 0.03 ms
Remote clock offset: 0.282 ms

# Below is generated by plot.py at 2018-05-25 01:35:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 70.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 70.145 ms
Loss rate: 0.00%
```

## Run 6: Report of Copa — Data Link

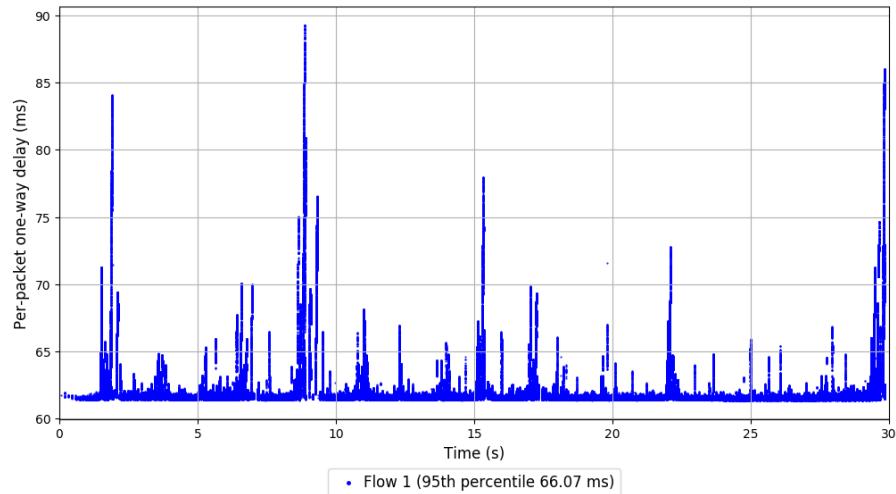
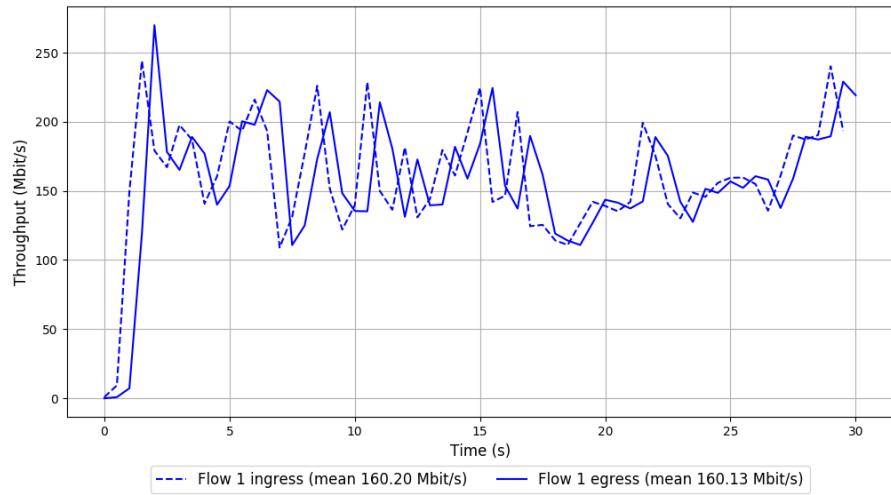


Run 7: Statistics of Copa

```
Start at: 2018-05-25 00:02:36
End at: 2018-05-25 00:03:06
Local clock offset: 0.056 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-05-25 01:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.13 Mbit/s
95th percentile per-packet one-way delay: 66.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.13 Mbit/s
95th percentile per-packet one-way delay: 66.071 ms
Loss rate: 0.00%
```

### Run 7: Report of Copa — Data Link

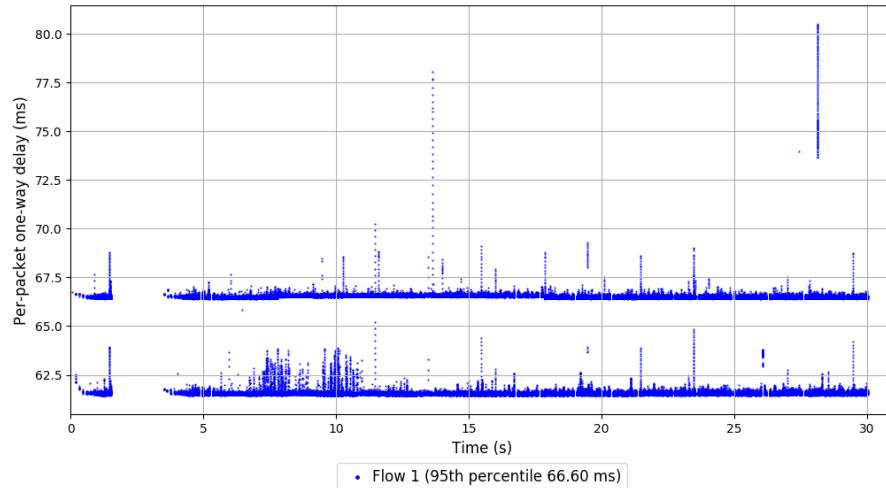
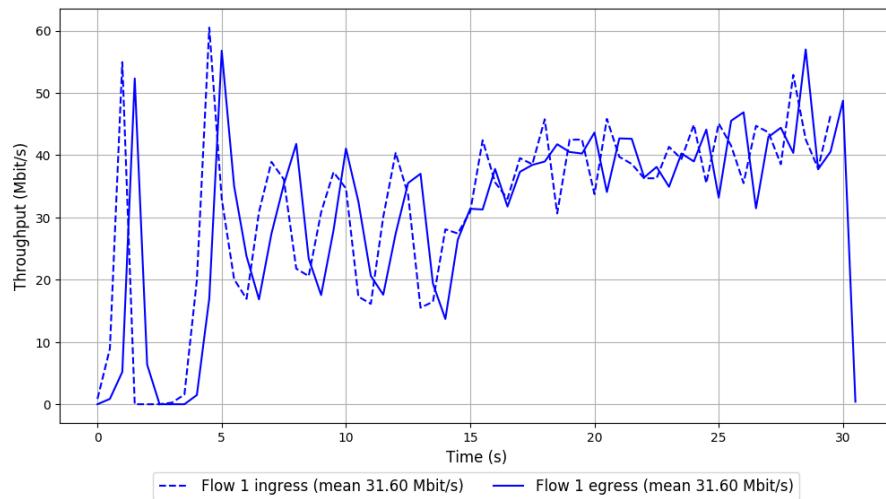


Run 8: Statistics of Copa

```
Start at: 2018-05-25 00:22:42
End at: 2018-05-25 00:23:12
Local clock offset: -0.025 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-05-25 01:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 66.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 66.599 ms
Loss rate: 0.00%
```

## Run 8: Report of Copa — Data Link

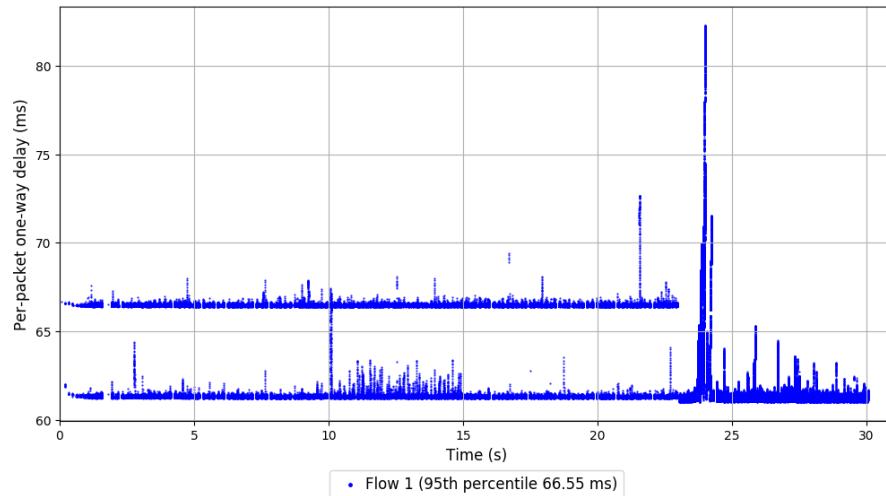
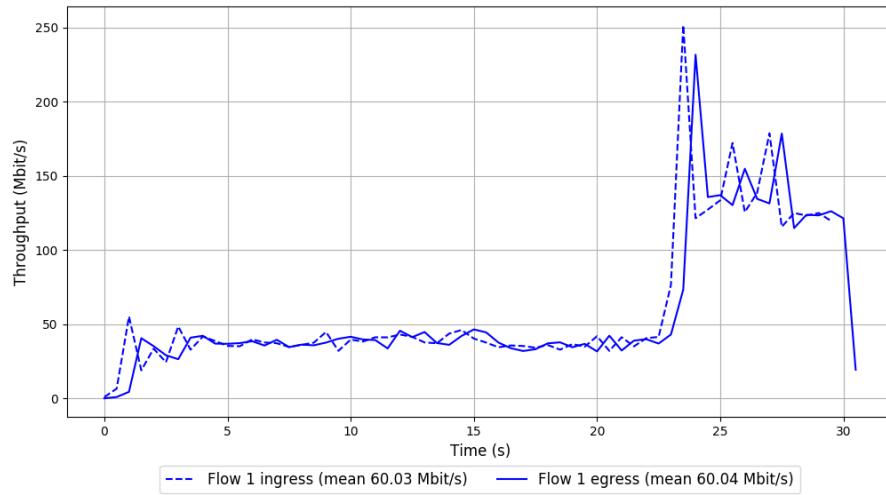


Run 9: Statistics of Copa

```
Start at: 2018-05-25 00:42:16
End at: 2018-05-25 00:42:46
Local clock offset: -0.057 ms
Remote clock offset: -0.279 ms

# Below is generated by plot.py at 2018-05-25 01:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 66.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 66.549 ms
Loss rate: 0.00%
```

## Run 9: Report of Copa — Data Link

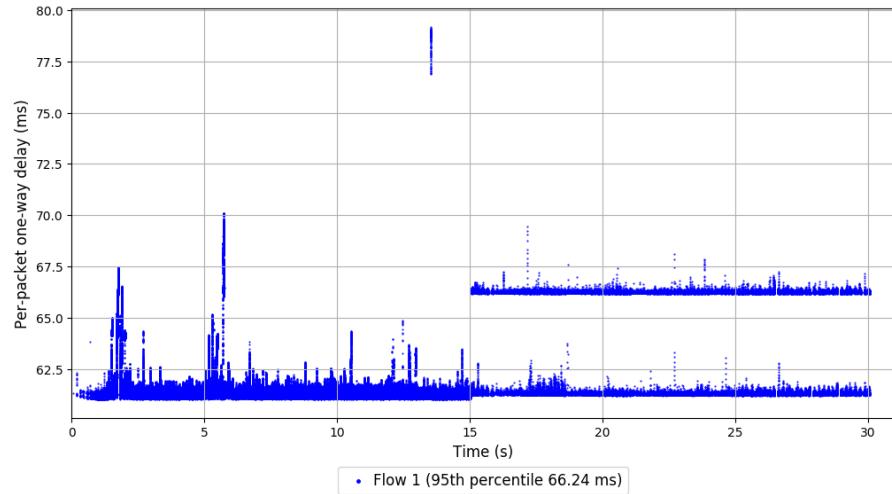
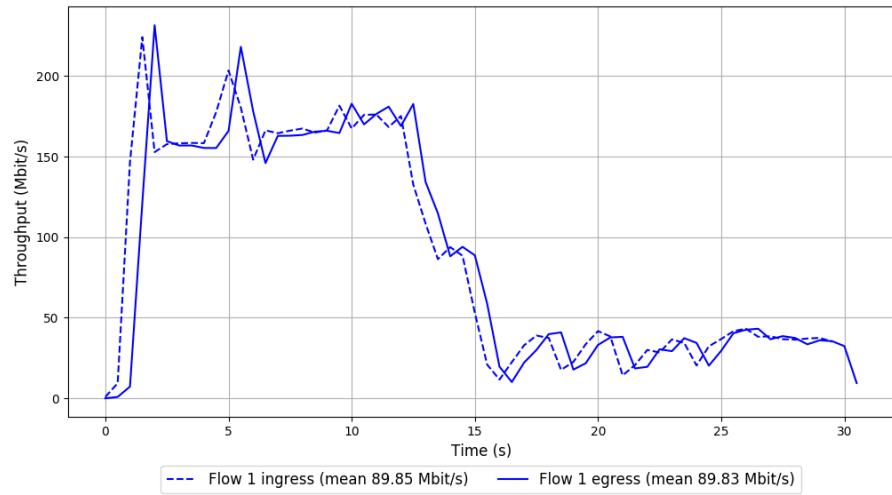


Run 10: Statistics of Copa

```
Start at: 2018-05-25 01:02:24
End at: 2018-05-25 01:02:55
Local clock offset: -0.043 ms
Remote clock offset: -0.24 ms

# Below is generated by plot.py at 2018-05-25 01:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 66.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 66.241 ms
Loss rate: 0.00%
```

## Run 10: Report of Copa — Data Link

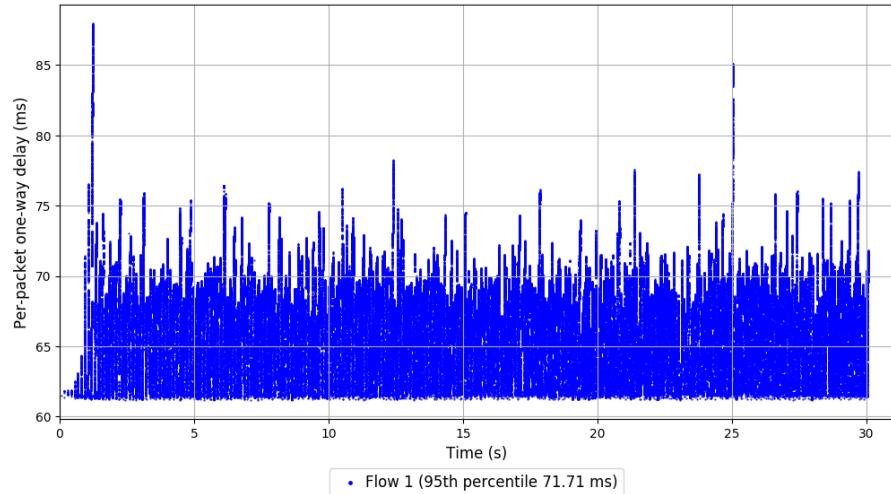
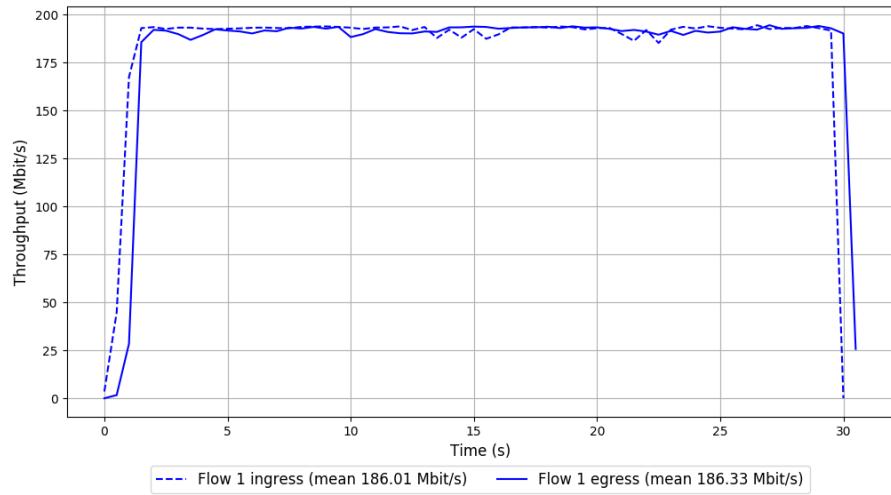


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-24 22:05:12
End at: 2018-05-24 22:05:42
Local clock offset: -0.01 ms
Remote clock offset: -0.258 ms

# Below is generated by plot.py at 2018-05-25 01:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.33 Mbit/s
95th percentile per-packet one-way delay: 71.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.33 Mbit/s
95th percentile per-packet one-way delay: 71.710 ms
Loss rate: 0.00%
```

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

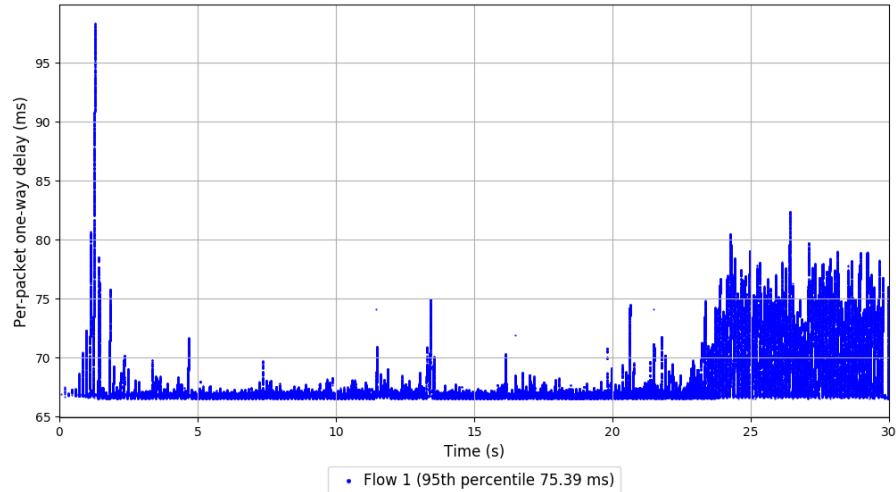
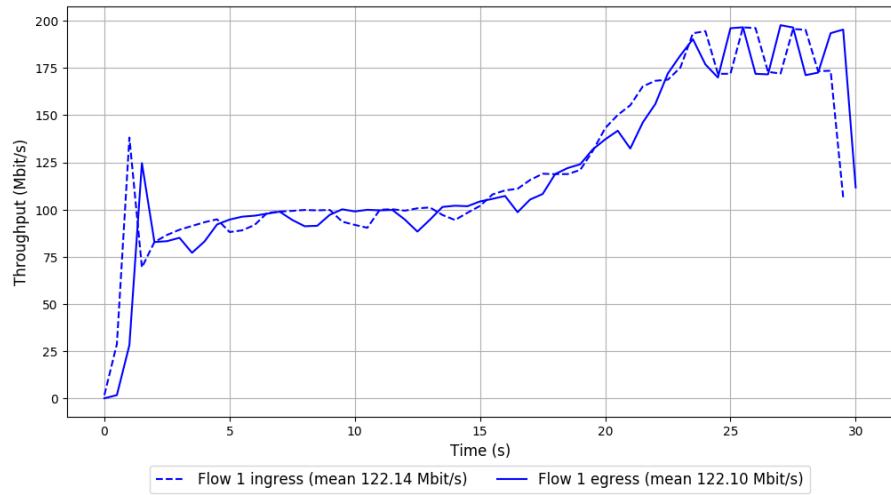


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-24 22:25:22
End at: 2018-05-24 22:25:52
Local clock offset: 0.012 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-05-25 01:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.10 Mbit/s
95th percentile per-packet one-way delay: 75.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.10 Mbit/s
95th percentile per-packet one-way delay: 75.389 ms
Loss rate: 0.00%
```

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

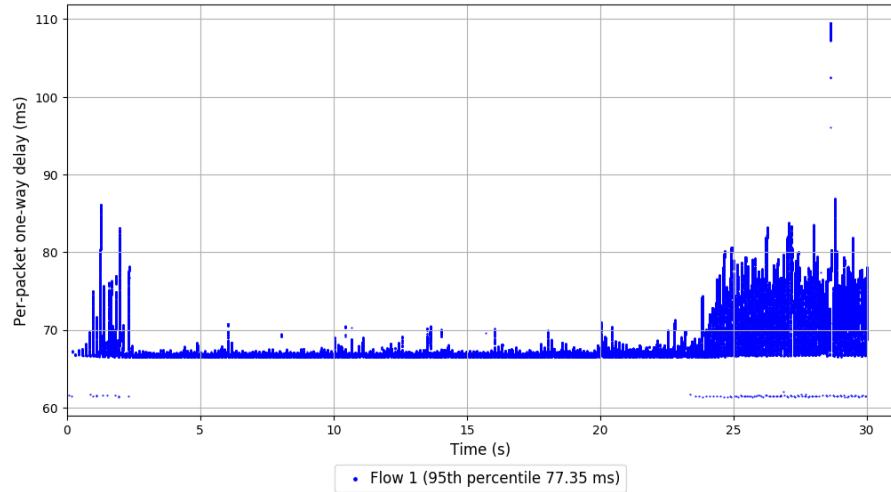
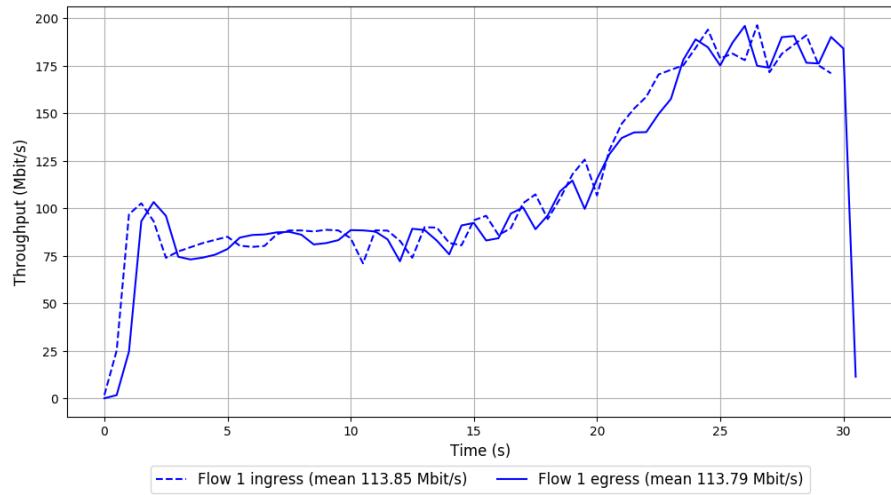


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-24 22:45:23
End at: 2018-05-24 22:45:53
Local clock offset: 0.037 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-05-25 01:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.79 Mbit/s
95th percentile per-packet one-way delay: 77.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.79 Mbit/s
95th percentile per-packet one-way delay: 77.352 ms
Loss rate: 0.00%
```

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

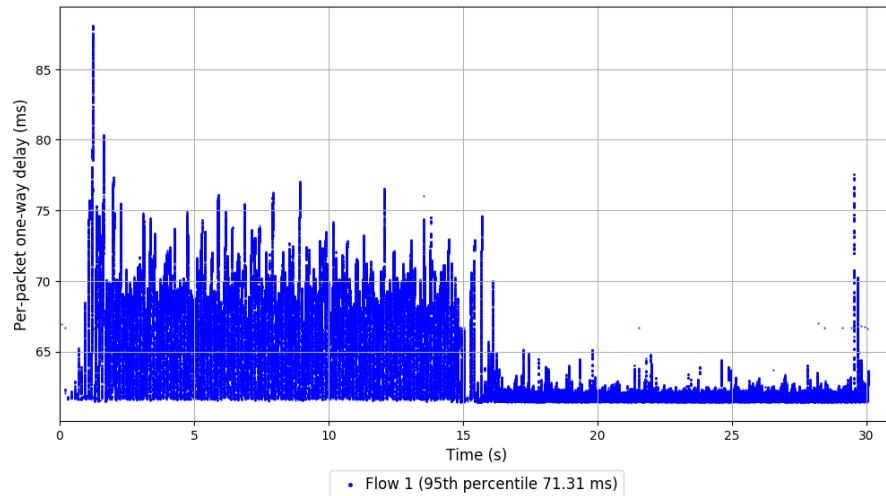
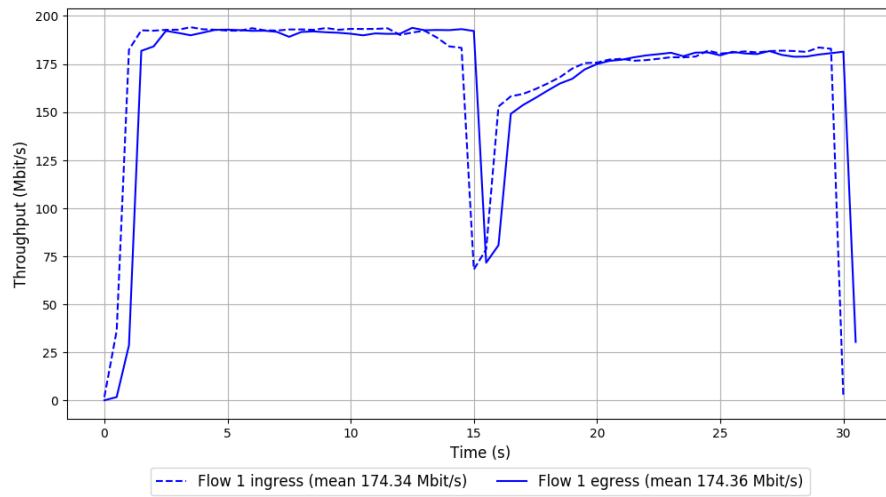


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-24 23:05:33
End at: 2018-05-24 23:06:03
Local clock offset: -0.093 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-05-25 01:38:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.36 Mbit/s
95th percentile per-packet one-way delay: 71.311 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 174.36 Mbit/s
95th percentile per-packet one-way delay: 71.311 ms
Loss rate: 0.01%
```

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

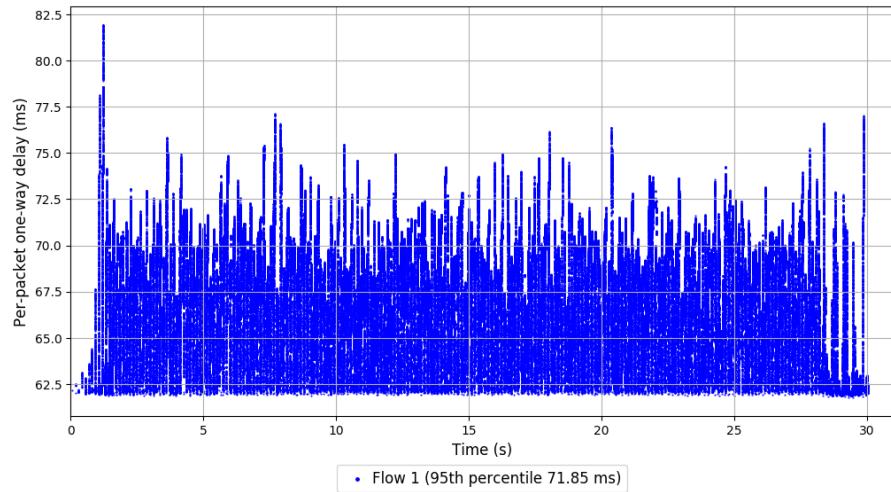
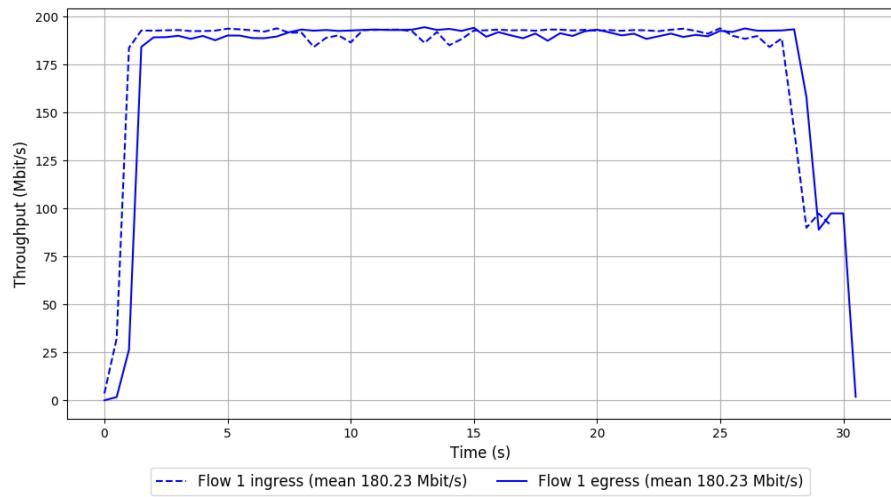


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-24 23:25:51
End at: 2018-05-24 23:26:21
Local clock offset: -0.104 ms
Remote clock offset: 0.262 ms

# Below is generated by plot.py at 2018-05-25 01:39:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.23 Mbit/s
95th percentile per-packet one-way delay: 71.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.23 Mbit/s
95th percentile per-packet one-way delay: 71.851 ms
Loss rate: 0.00%
```

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

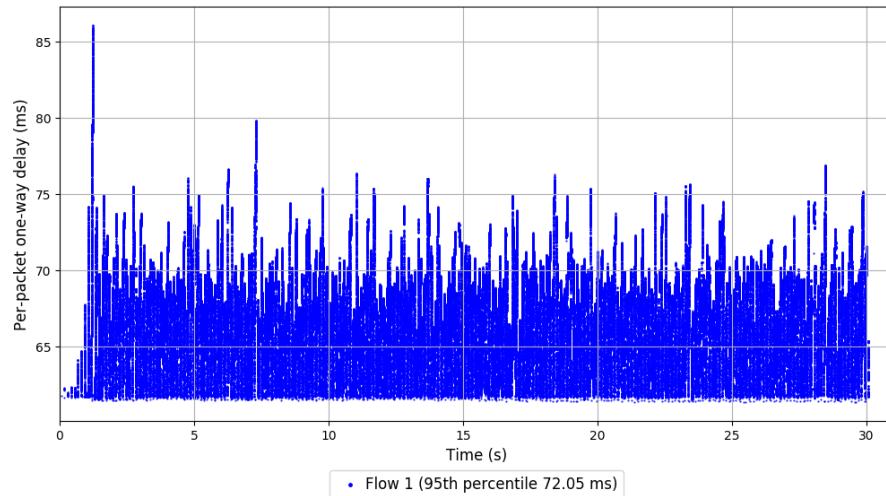
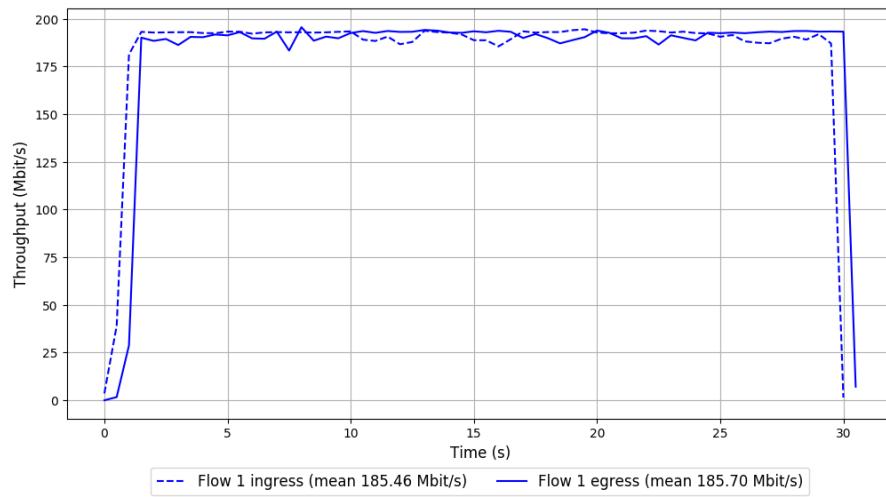


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-24 23:46:04
End at: 2018-05-24 23:46:34
Local clock offset: 0.026 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-05-25 01:39:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.70 Mbit/s
95th percentile per-packet one-way delay: 72.050 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 185.70 Mbit/s
95th percentile per-packet one-way delay: 72.050 ms
Loss rate: 0.03%
```

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

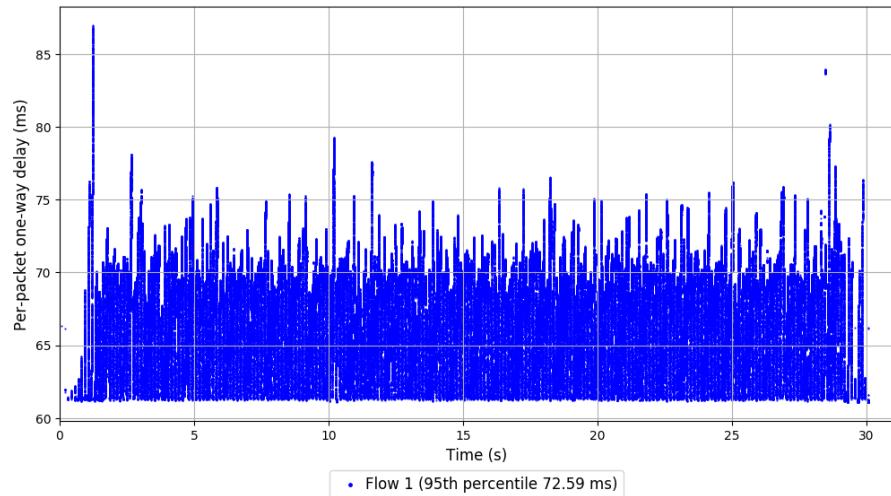
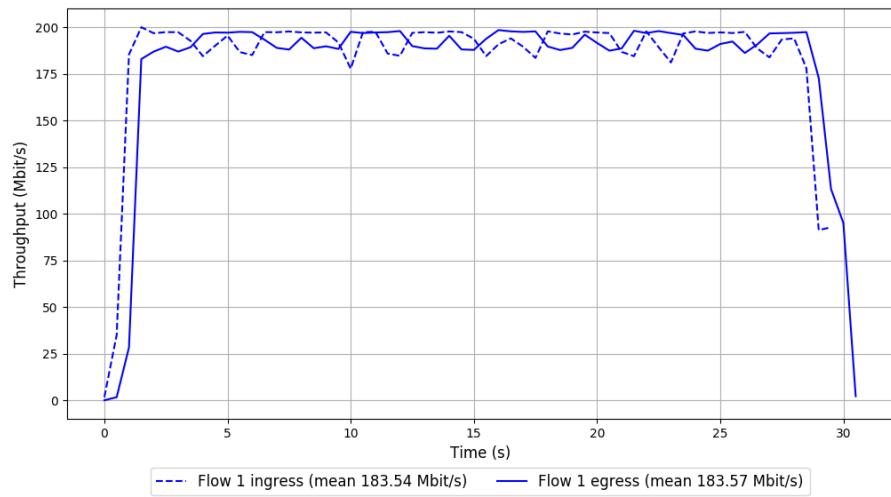


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-25 00:06:19
End at: 2018-05-25 00:06:49
Local clock offset: 0.08 ms
Remote clock offset: -0.321 ms

# Below is generated by plot.py at 2018-05-25 01:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.57 Mbit/s
95th percentile per-packet one-way delay: 72.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.57 Mbit/s
95th percentile per-packet one-way delay: 72.587 ms
Loss rate: 0.00%
```

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

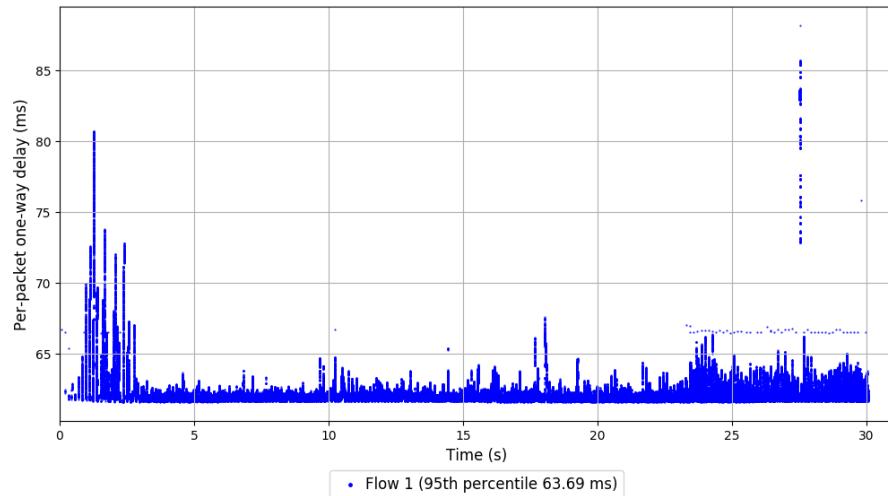
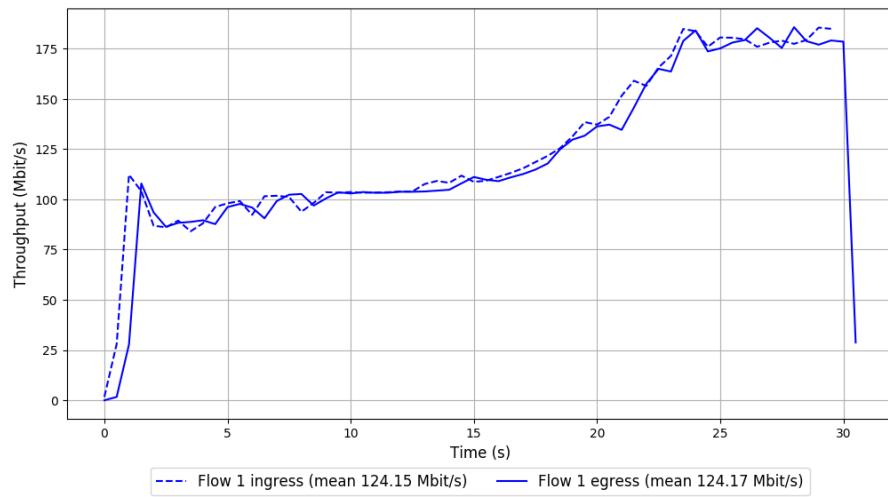


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-25 00:26:14
End at: 2018-05-25 00:26:44
Local clock offset: -0.01 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2018-05-25 01:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.17 Mbit/s
95th percentile per-packet one-way delay: 63.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.17 Mbit/s
95th percentile per-packet one-way delay: 63.689 ms
Loss rate: 0.00%
```

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

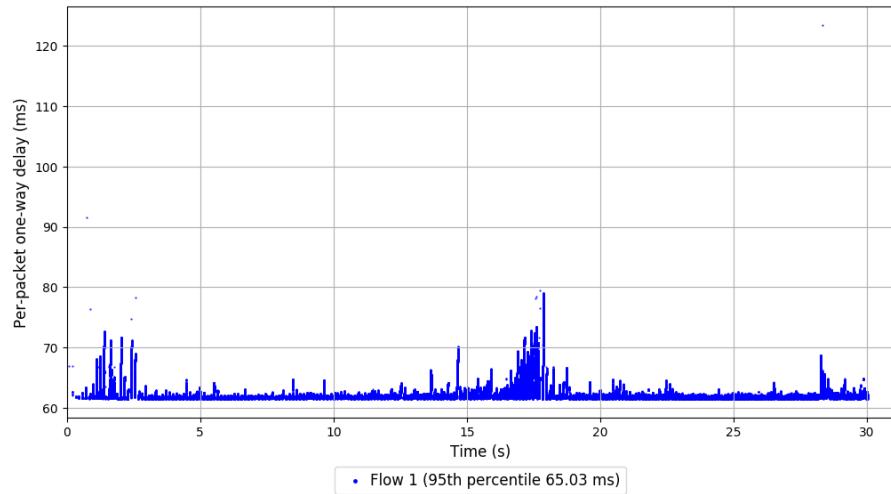
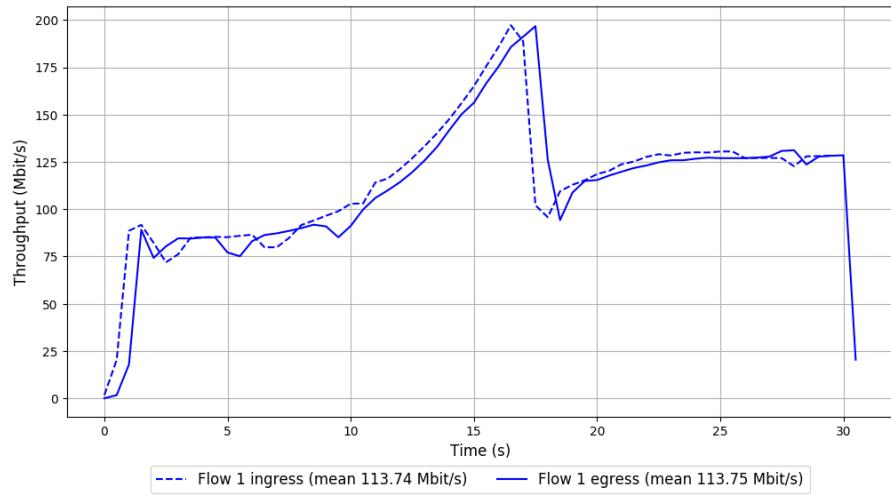


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-25 00:45:53
End at: 2018-05-25 00:46:23
Local clock offset: -0.022 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-25 01:40:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.75 Mbit/s
95th percentile per-packet one-way delay: 65.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.75 Mbit/s
95th percentile per-packet one-way delay: 65.031 ms
Loss rate: 0.00%
```

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

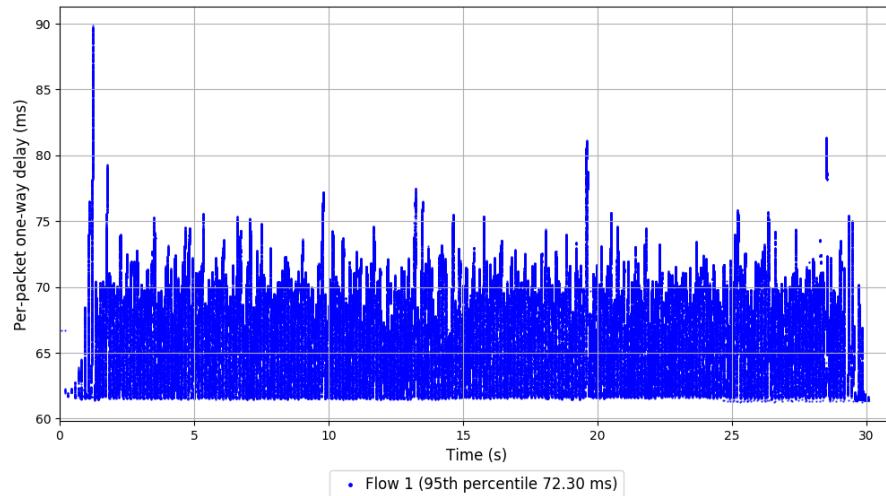
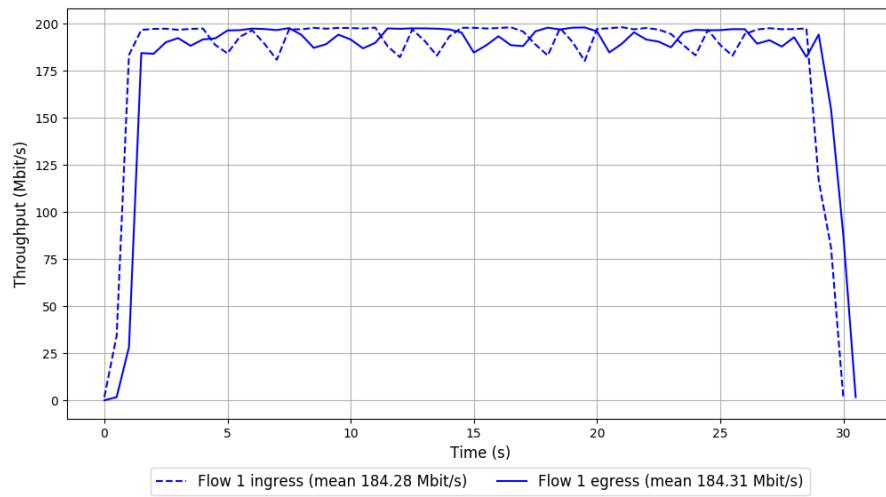


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-05-25 01:06:05
End at: 2018-05-25 01:06:35
Local clock offset: -0.009 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-05-25 01:41:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.31 Mbit/s
95th percentile per-packet one-way delay: 72.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.31 Mbit/s
95th percentile per-packet one-way delay: 72.299 ms
Loss rate: 0.00%
```

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

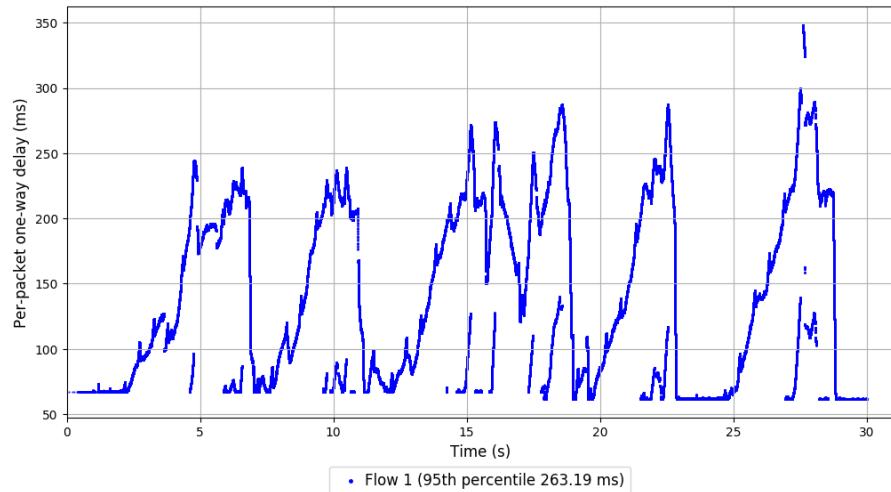
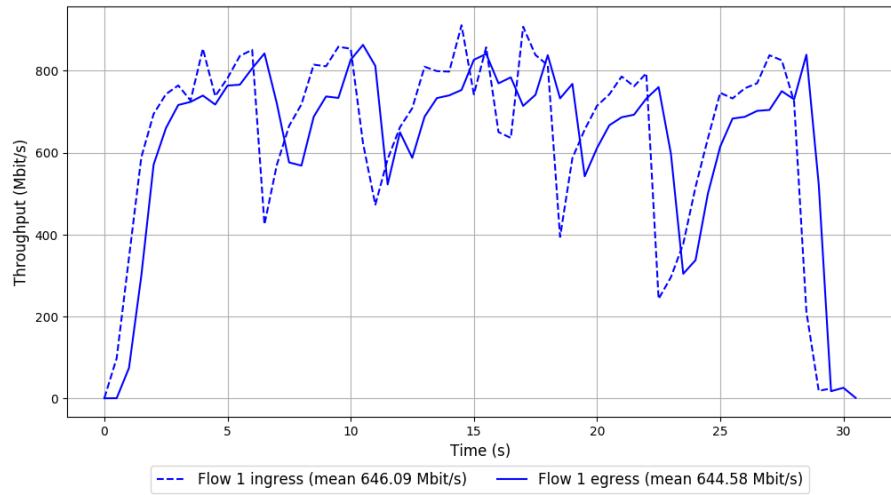


```
Run 1: Statistics of FillP

Start at: 2018-05-24 21:57:32
End at: 2018-05-24 21:58:02
Local clock offset: -0.039 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-05-25 01:54:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 644.58 Mbit/s
95th percentile per-packet one-way delay: 263.193 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 644.58 Mbit/s
95th percentile per-packet one-way delay: 263.193 ms
Loss rate: 0.25%
```

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

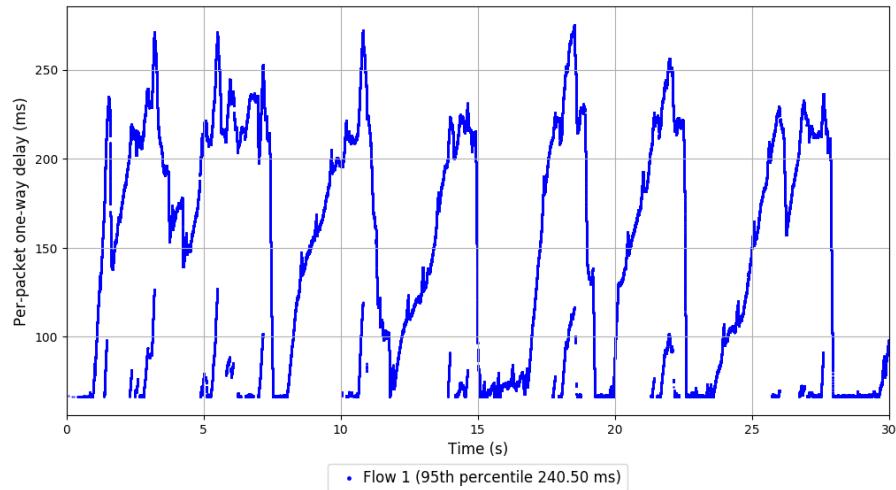
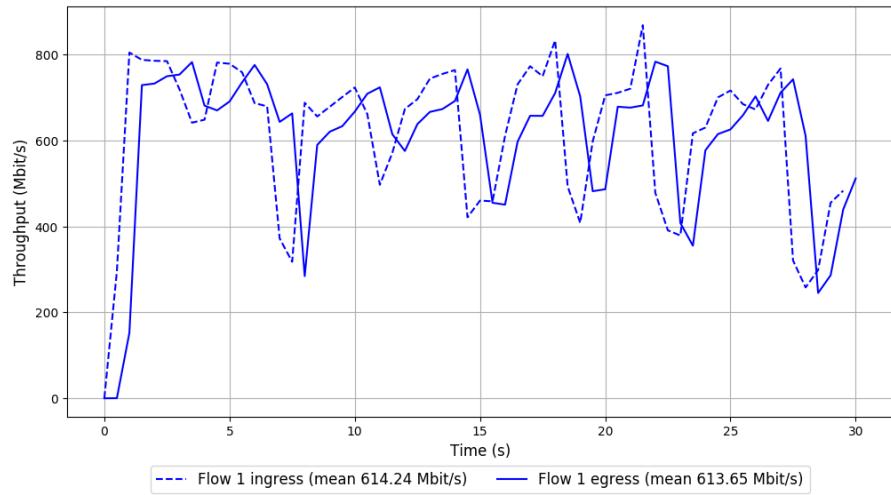


Run 2: Statistics of FillP

```
Start at: 2018-05-24 22:17:50
End at: 2018-05-24 22:18:20
Local clock offset: 0.035 ms
Remote clock offset: -0.166 ms

# Below is generated by plot.py at 2018-05-25 01:54:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 613.65 Mbit/s
95th percentile per-packet one-way delay: 240.500 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 613.65 Mbit/s
95th percentile per-packet one-way delay: 240.500 ms
Loss rate: 0.11%
```

## Run 2: Report of FillP — Data Link

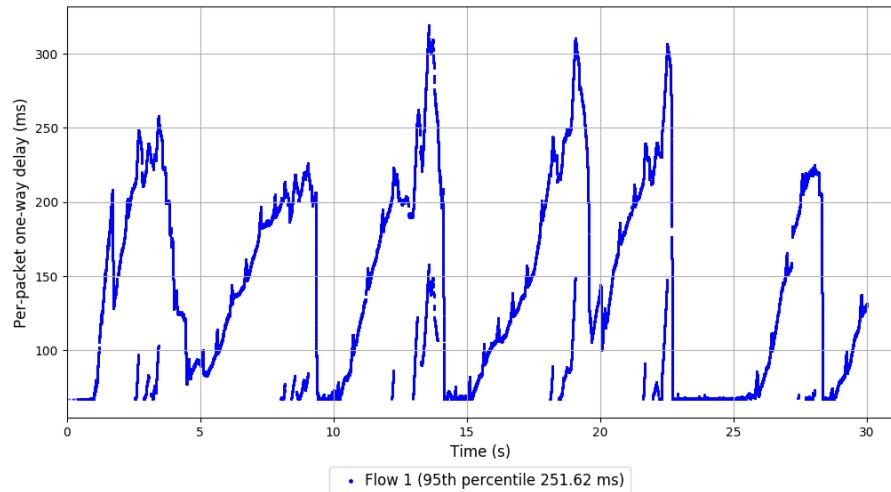
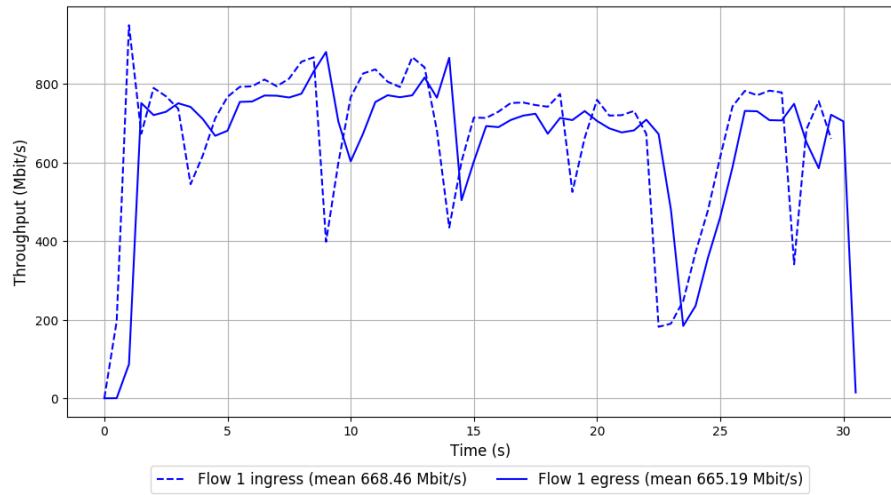


```
Run 3: Statistics of FillP
```

```
Start at: 2018-05-24 22:37:55
End at: 2018-05-24 22:38:25
Local clock offset: -0.007 ms
Remote clock offset: 0.171 ms

# Below is generated by plot.py at 2018-05-25 01:55:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 665.19 Mbit/s
95th percentile per-packet one-way delay: 251.618 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 665.19 Mbit/s
95th percentile per-packet one-way delay: 251.618 ms
Loss rate: 0.49%
```

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

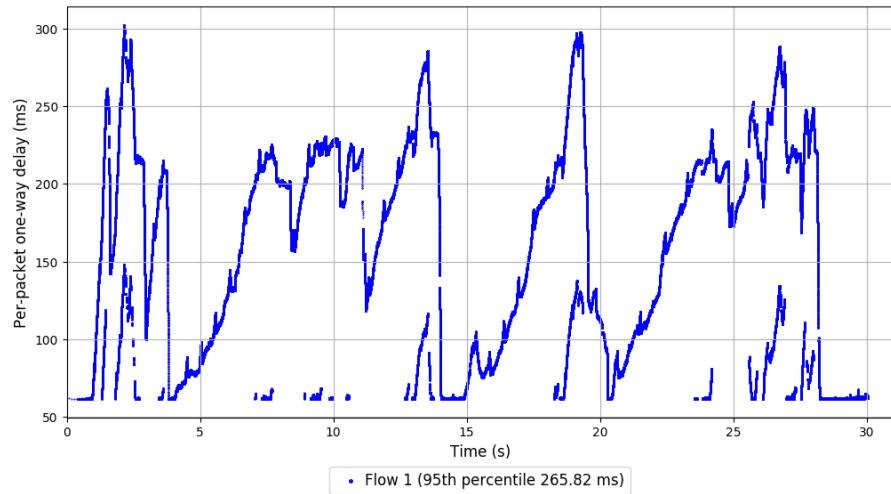
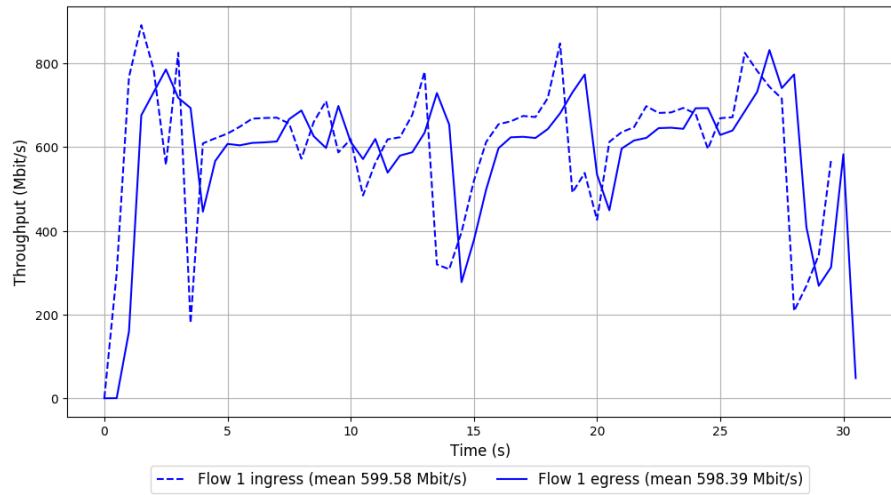


Run 4: Statistics of FillP

```
Start at: 2018-05-24 22:58:02
End at: 2018-05-24 22:58:32
Local clock offset: -0.065 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2018-05-25 01:55:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 598.39 Mbit/s
95th percentile per-packet one-way delay: 265.817 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 598.39 Mbit/s
95th percentile per-packet one-way delay: 265.817 ms
Loss rate: 0.20%
```

Run 4: Report of FillP — Data Link

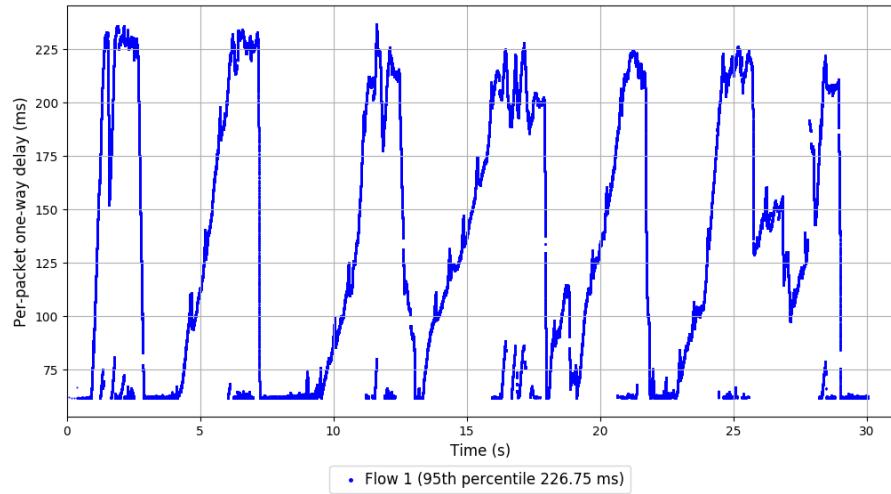
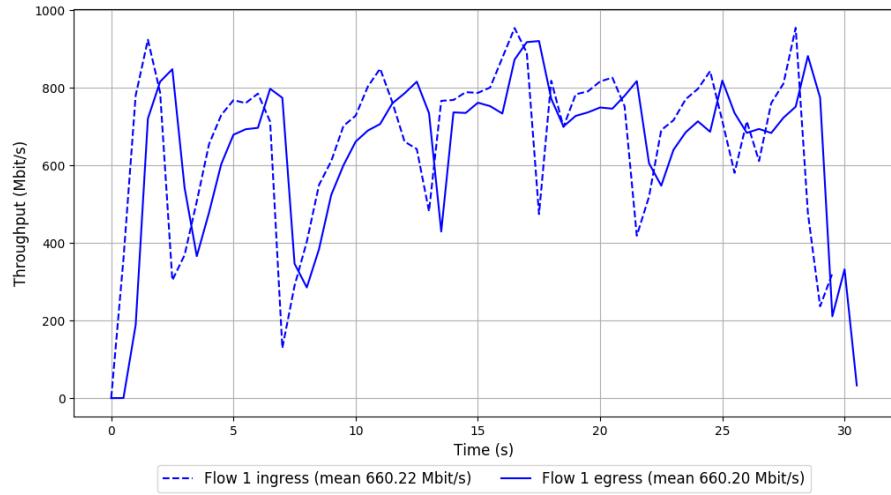


Run 5: Statistics of FillP

```
Start at: 2018-05-24 23:18:23
End at: 2018-05-24 23:18:53
Local clock offset: -0.078 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-05-25 01:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 660.20 Mbit/s
95th percentile per-packet one-way delay: 226.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 660.20 Mbit/s
95th percentile per-packet one-way delay: 226.746 ms
Loss rate: 0.00%
```

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

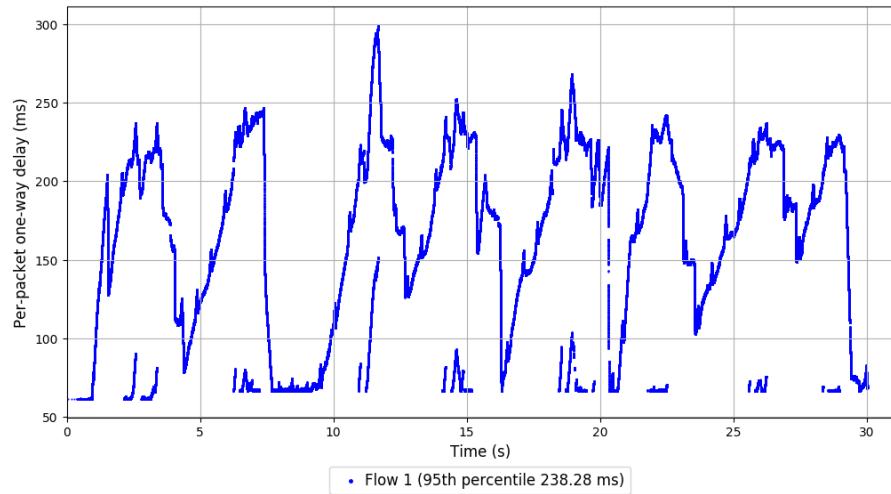
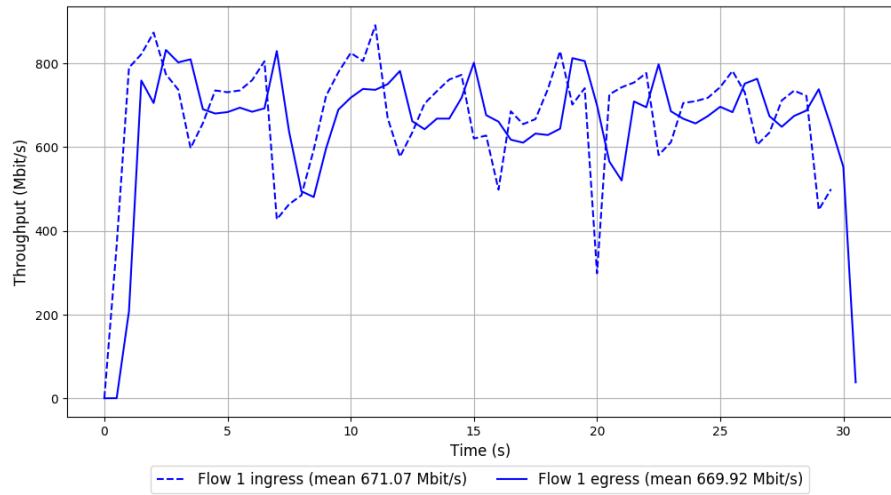


Run 6: Statistics of FillP

```
Start at: 2018-05-24 23:38:33
End at: 2018-05-24 23:39:03
Local clock offset: 0.023 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-05-25 01:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 669.92 Mbit/s
95th percentile per-packet one-way delay: 238.283 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 669.92 Mbit/s
95th percentile per-packet one-way delay: 238.283 ms
Loss rate: 0.15%
```

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

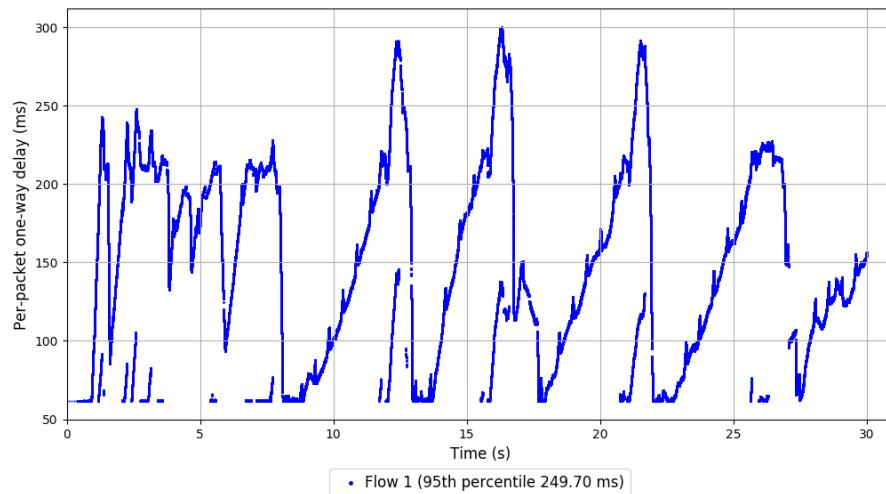
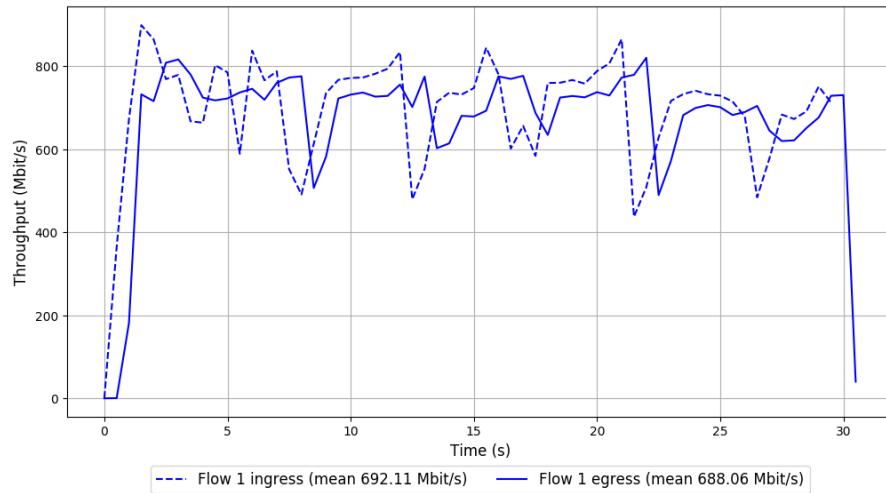


Run 7: Statistics of FillP

```
Start at: 2018-05-24 23:58:42
End at: 2018-05-24 23:59:12
Local clock offset: 0.04 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-05-25 01:57:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 688.06 Mbit/s
95th percentile per-packet one-way delay: 249.700 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 688.06 Mbit/s
95th percentile per-packet one-way delay: 249.700 ms
Loss rate: 0.59%
```

Run 7: Report of FillP — Data Link

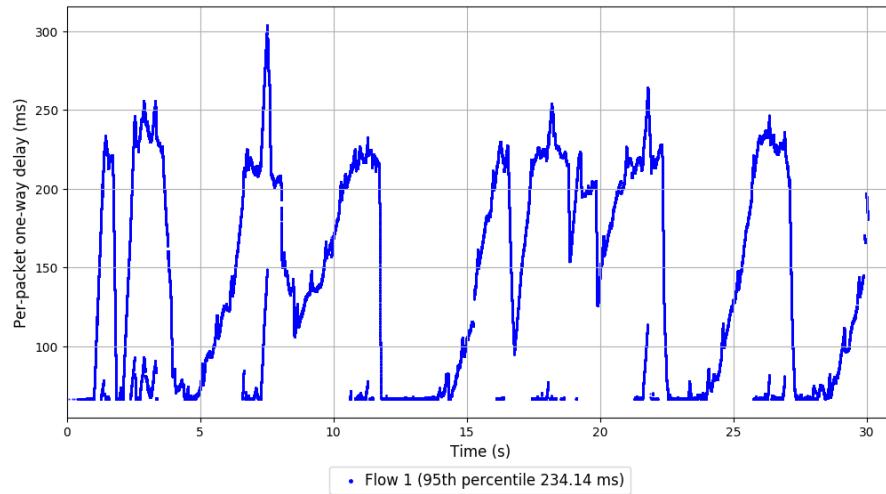
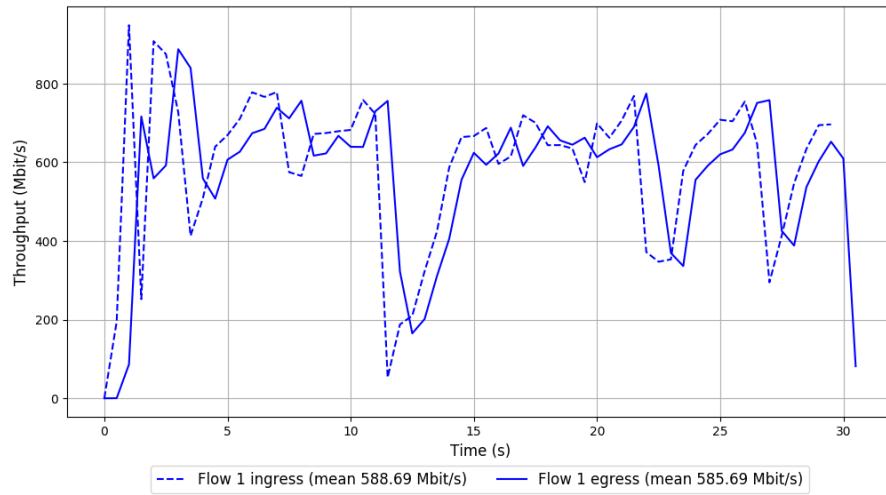


Run 8: Statistics of FillP

```
Start at: 2018-05-25 00:18:51
End at: 2018-05-25 00:19:21
Local clock offset: -0.041 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-05-25 01:57:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 585.69 Mbit/s
95th percentile per-packet one-way delay: 234.136 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 585.69 Mbit/s
95th percentile per-packet one-way delay: 234.136 ms
Loss rate: 0.51%
```

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

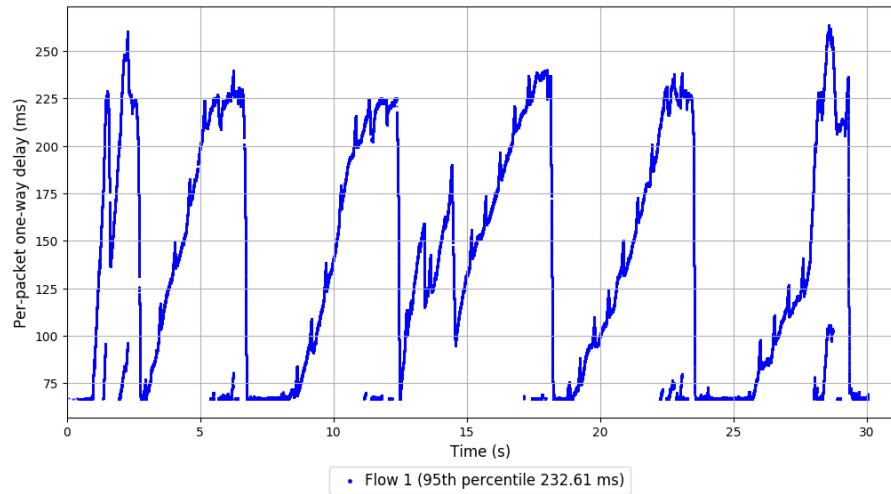
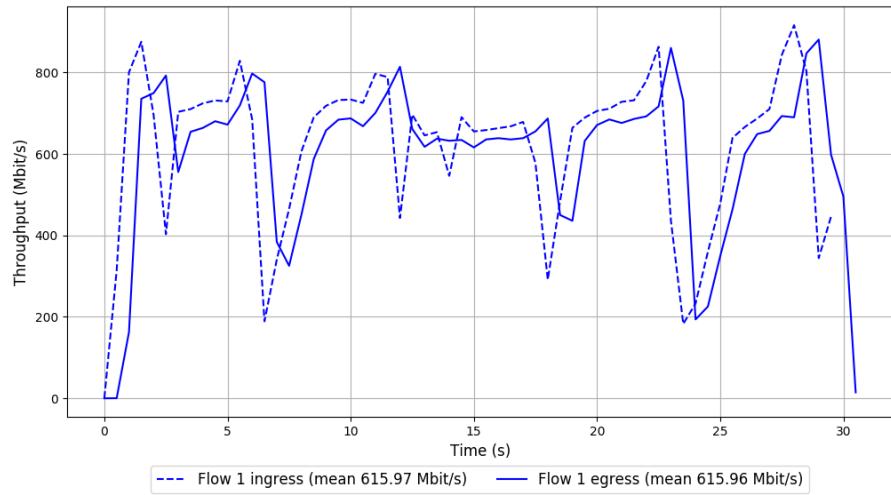


```
Run 9: Statistics of FillP
```

```
Start at: 2018-05-25 00:38:25
End at: 2018-05-25 00:38:55
Local clock offset: -0.032 ms
Remote clock offset: 0.203 ms

# Below is generated by plot.py at 2018-05-25 02:09:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 615.96 Mbit/s
95th percentile per-packet one-way delay: 232.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 615.96 Mbit/s
95th percentile per-packet one-way delay: 232.611 ms
Loss rate: 0.00%
```

Run 9: Report of FillP — Data Link

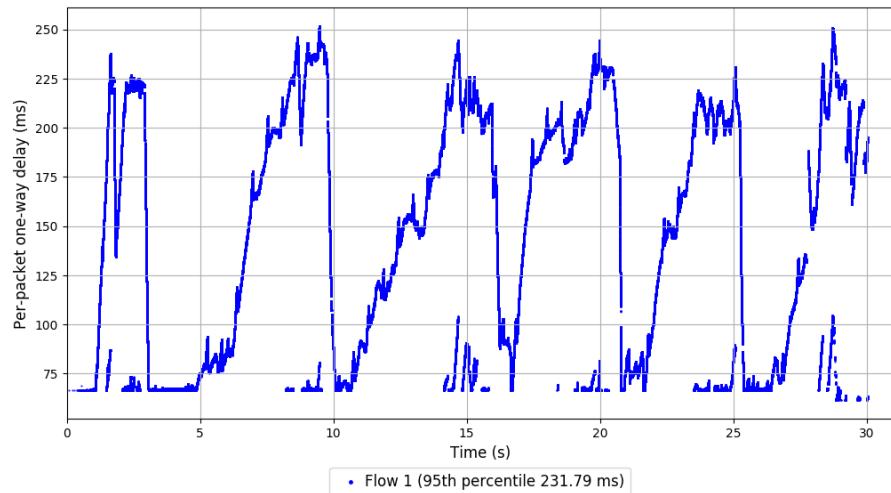
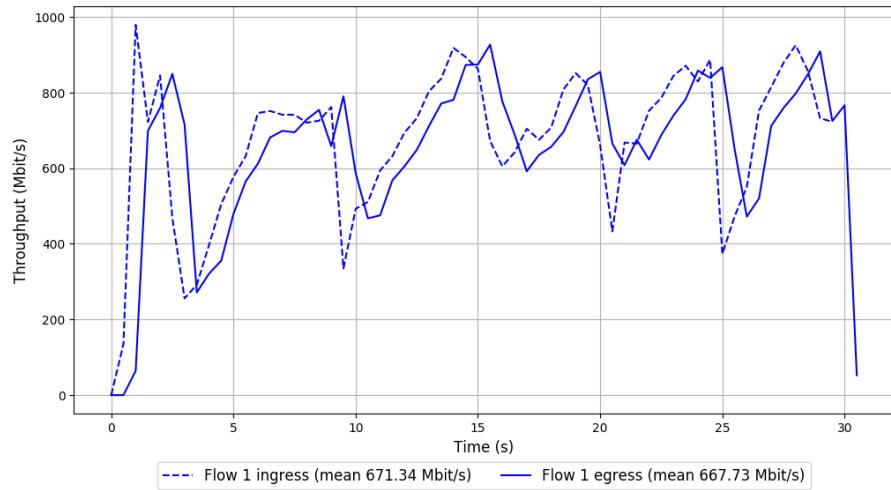


```
Run 10: Statistics of FillP
```

```
Start at: 2018-05-25 00:58:31
End at: 2018-05-25 00:59:01
Local clock offset: -0.06 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 667.73 Mbit/s
95th percentile per-packet one-way delay: 231.787 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 667.73 Mbit/s
95th percentile per-packet one-way delay: 231.787 ms
Loss rate: 0.54%
```

## Run 10: Report of FillP — Data Link

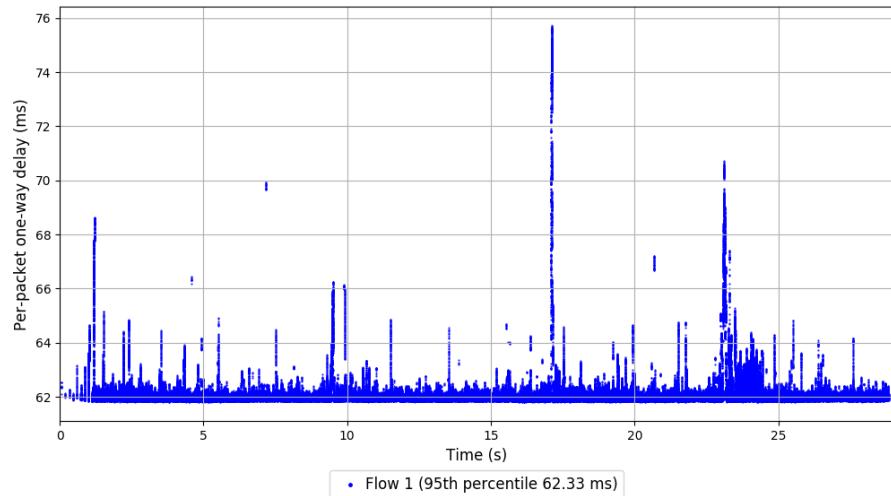
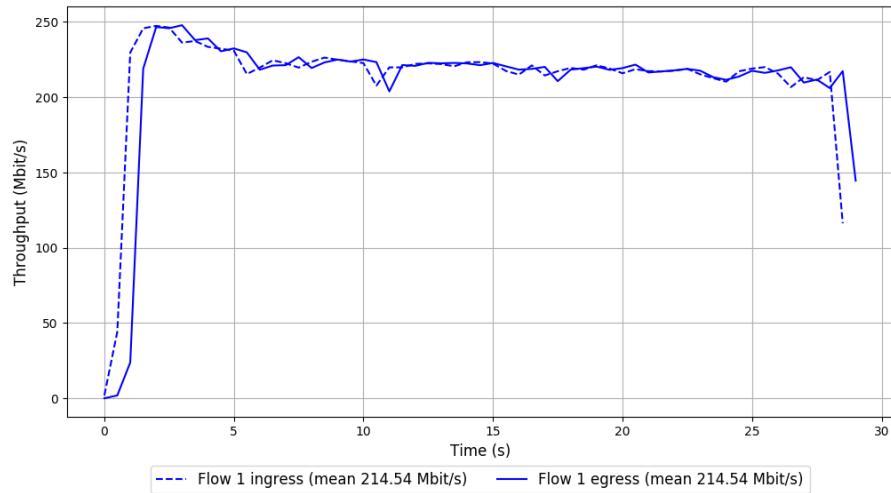


Run 1: Statistics of Indigo

```
Start at: 2018-05-24 22:15:02
End at: 2018-05-24 22:15:32
Local clock offset: -0.015 ms
Remote clock offset: 0.373 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.54 Mbit/s
95th percentile per-packet one-way delay: 62.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.54 Mbit/s
95th percentile per-packet one-way delay: 62.328 ms
Loss rate: 0.00%
```

## Run 1: Report of Indigo — Data Link

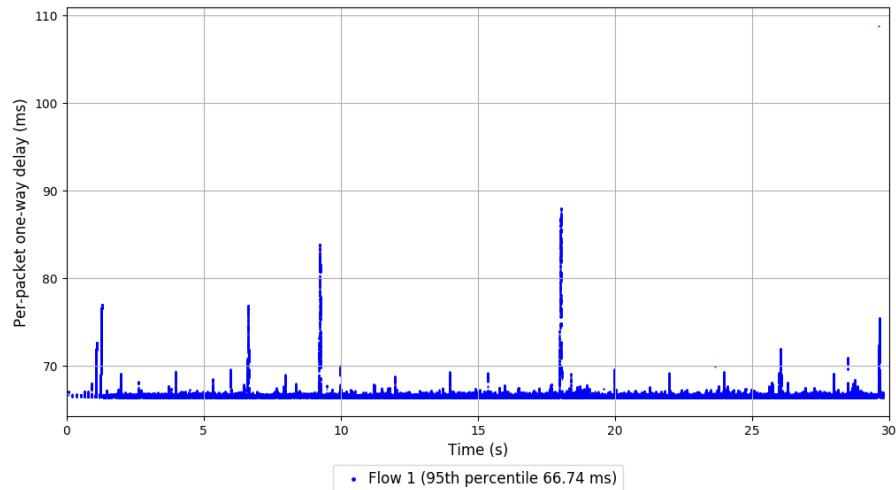
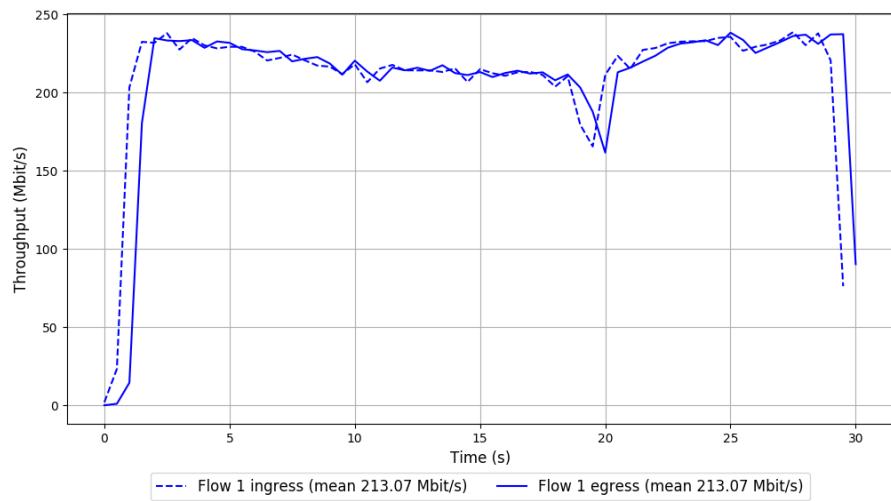


Run 2: Statistics of Indigo

```
Start at: 2018-05-24 22:35:05
End at: 2018-05-24 22:35:35
Local clock offset: -0.004 ms
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.07 Mbit/s
95th percentile per-packet one-way delay: 66.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.07 Mbit/s
95th percentile per-packet one-way delay: 66.743 ms
Loss rate: 0.00%
```

## Run 2: Report of Indigo — Data Link

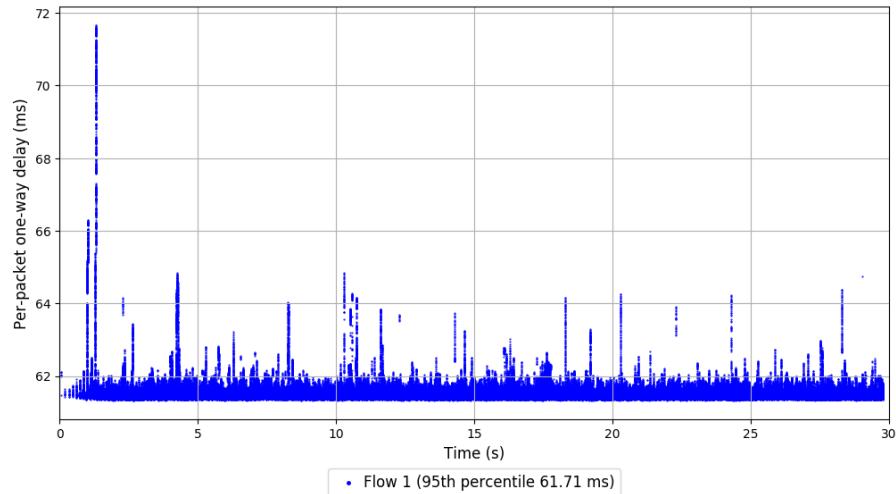
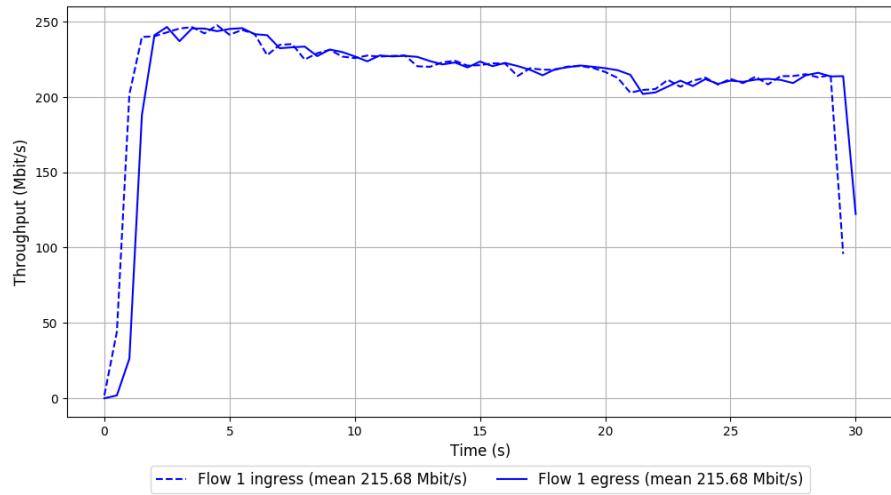


Run 3: Statistics of Indigo

```
Start at: 2018-05-24 22:55:13
End at: 2018-05-24 22:55:43
Local clock offset: -0.104 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.68 Mbit/s
95th percentile per-packet one-way delay: 61.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.68 Mbit/s
95th percentile per-packet one-way delay: 61.707 ms
Loss rate: 0.00%
```

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

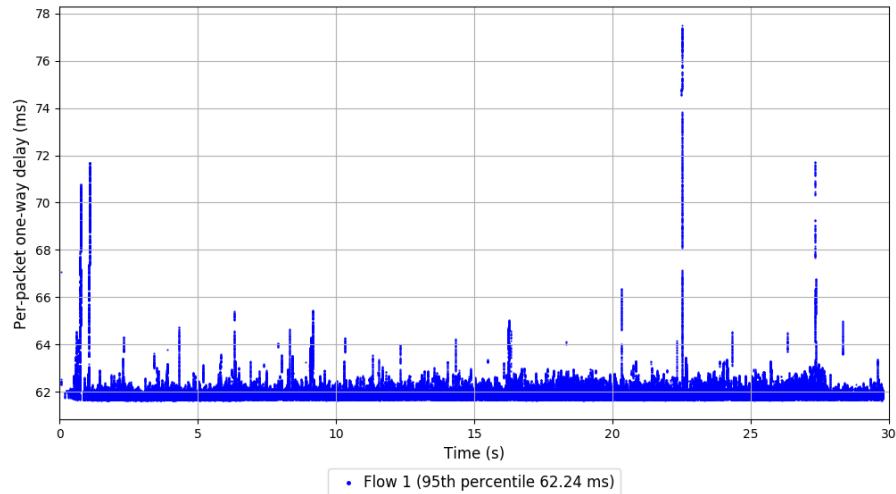
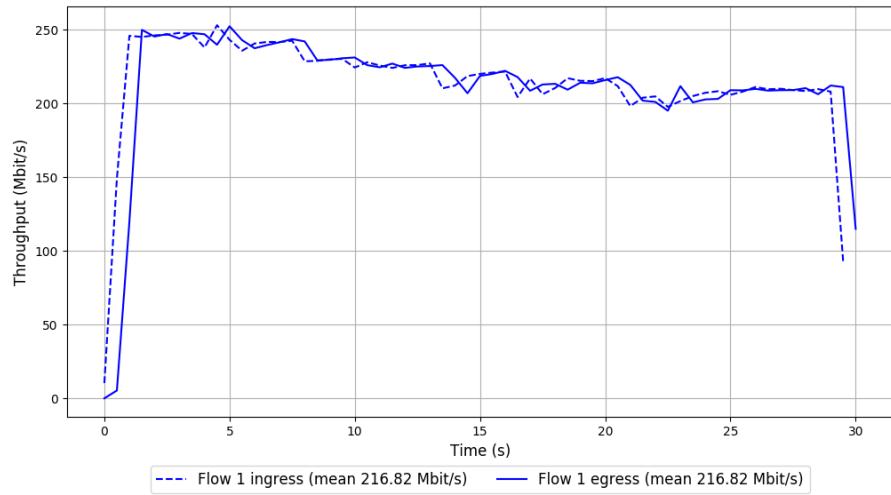


Run 4: Statistics of Indigo

```
Start at: 2018-05-24 23:15:33
End at: 2018-05-24 23:16:03
Local clock offset: -0.073 ms
Remote clock offset: 0.242 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.82 Mbit/s
95th percentile per-packet one-way delay: 62.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.82 Mbit/s
95th percentile per-packet one-way delay: 62.242 ms
Loss rate: 0.00%
```

## Run 4: Report of Indigo — Data Link

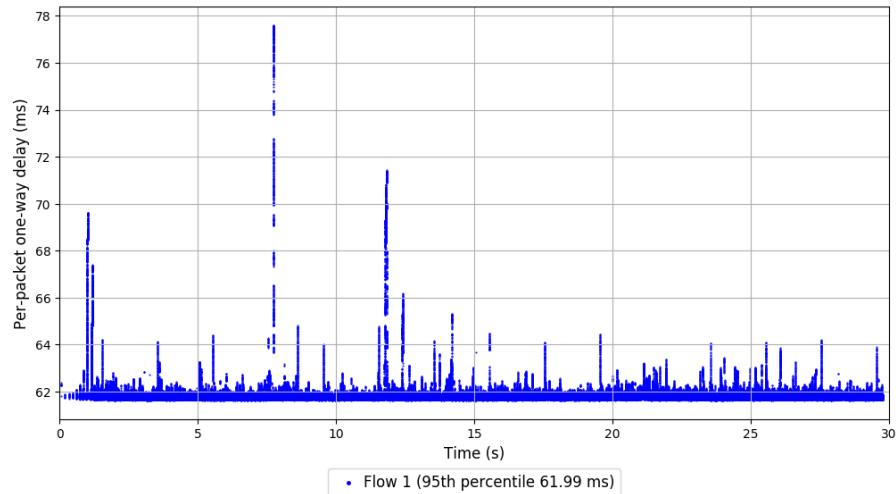
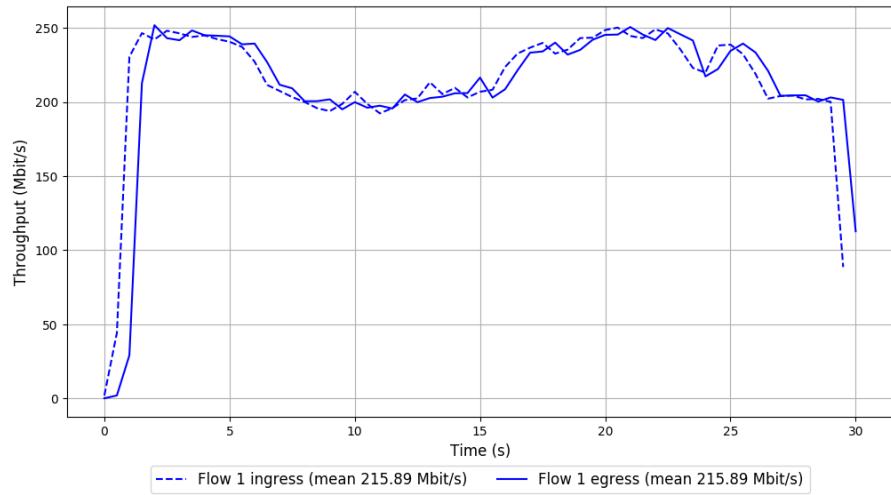


Run 5: Statistics of Indigo

```
Start at: 2018-05-24 23:35:47
End at: 2018-05-24 23:36:17
Local clock offset: -0.027 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.89 Mbit/s
95th percentile per-packet one-way delay: 61.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.89 Mbit/s
95th percentile per-packet one-way delay: 61.992 ms
Loss rate: 0.00%
```

## Run 5: Report of Indigo — Data Link

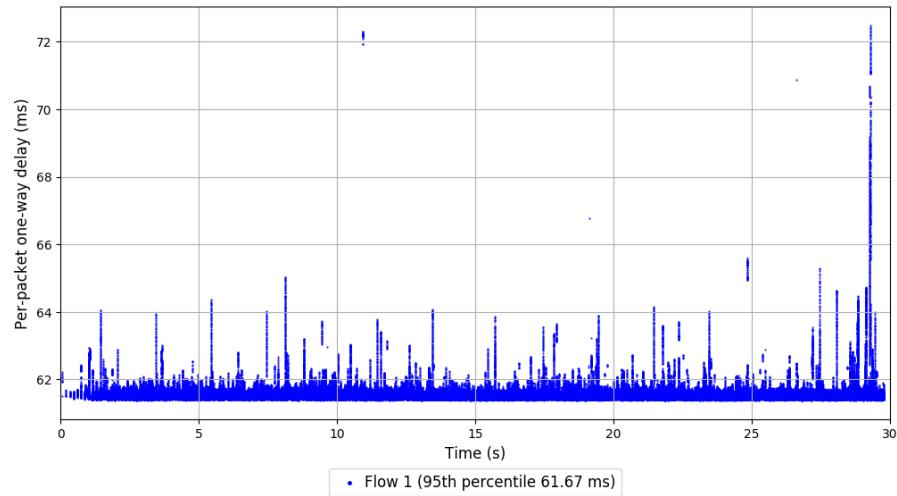
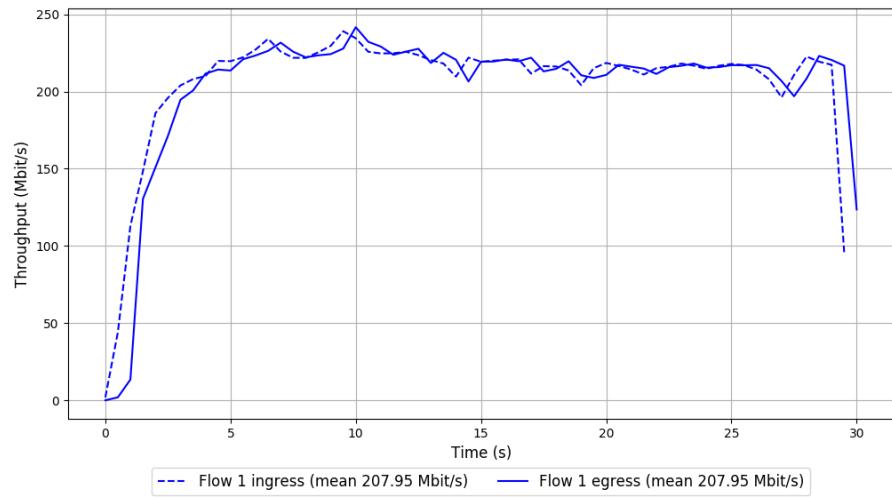


Run 6: Statistics of Indigo

```
Start at: 2018-05-24 23:55:55
End at: 2018-05-24 23:56:25
Local clock offset: 0.006 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.95 Mbit/s
95th percentile per-packet one-way delay: 61.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.95 Mbit/s
95th percentile per-packet one-way delay: 61.674 ms
Loss rate: 0.00%
```

## Run 6: Report of Indigo — Data Link

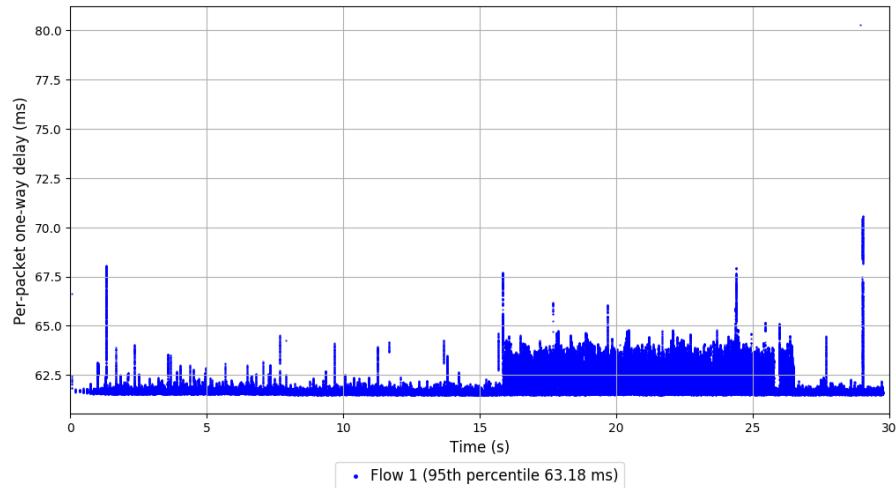
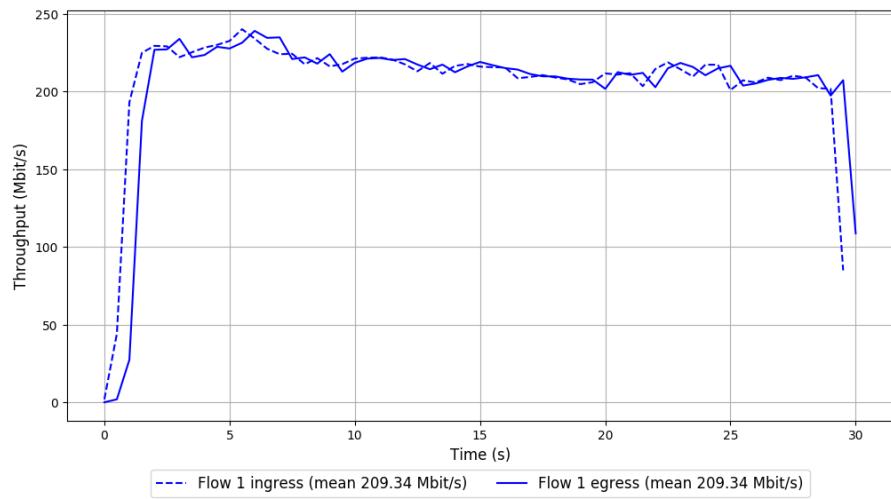


Run 7: Statistics of Indigo

```
Start at: 2018-05-25 00:16:01
End at: 2018-05-25 00:16:31
Local clock offset: -0.021 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.34 Mbit/s
95th percentile per-packet one-way delay: 63.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.34 Mbit/s
95th percentile per-packet one-way delay: 63.179 ms
Loss rate: 0.00%
```

## Run 7: Report of Indigo — Data Link

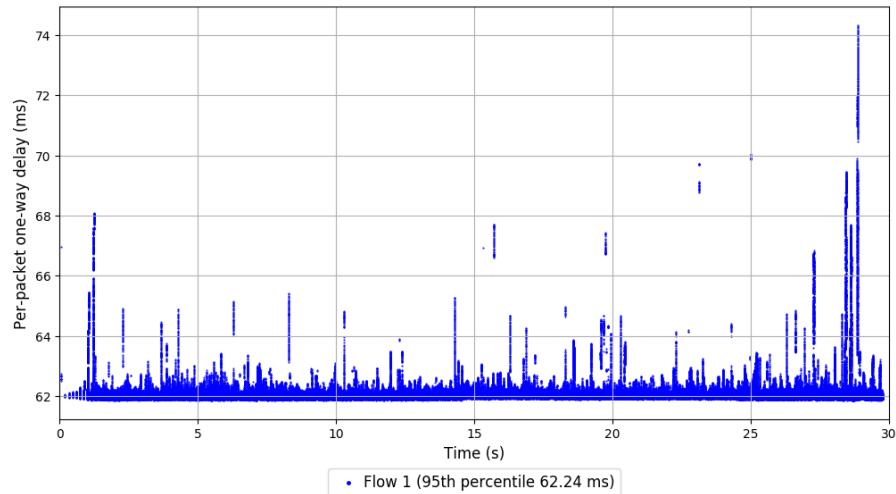
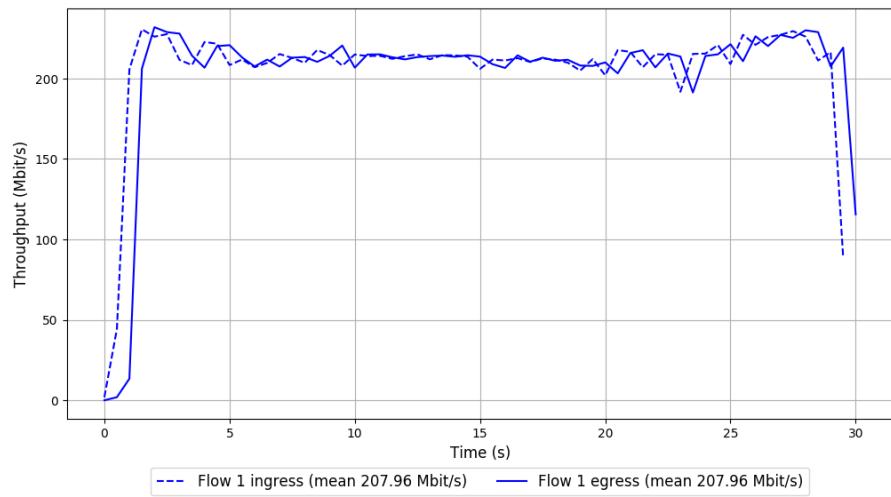


Run 8: Statistics of Indigo

```
Start at: 2018-05-25 00:35:45
End at: 2018-05-25 00:36:15
Local clock offset: -0.044 ms
Remote clock offset: 0.345 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.96 Mbit/s
95th percentile per-packet one-way delay: 62.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.96 Mbit/s
95th percentile per-packet one-way delay: 62.241 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

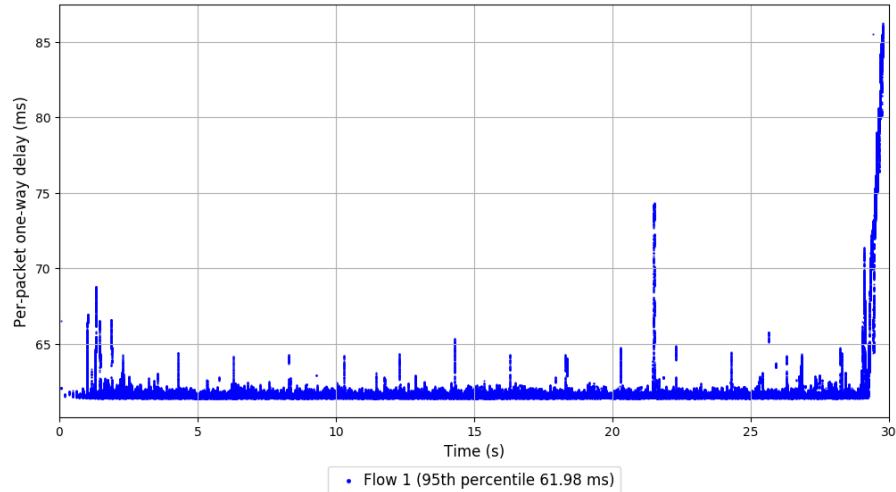
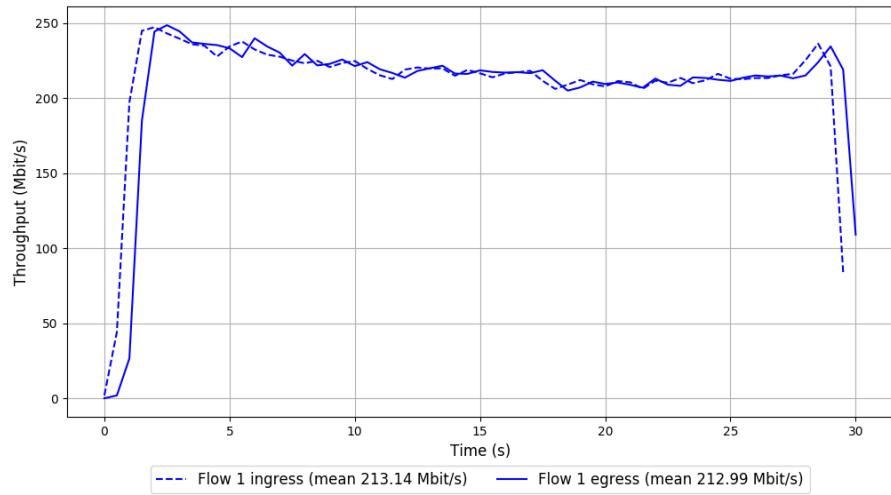


Run 9: Statistics of Indigo

```
Start at: 2018-05-25 00:55:39
End at: 2018-05-25 00:56:09
Local clock offset: -0.015 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.99 Mbit/s
95th percentile per-packet one-way delay: 61.977 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 212.99 Mbit/s
95th percentile per-packet one-way delay: 61.977 ms
Loss rate: 0.05%
```

## Run 9: Report of Indigo — Data Link

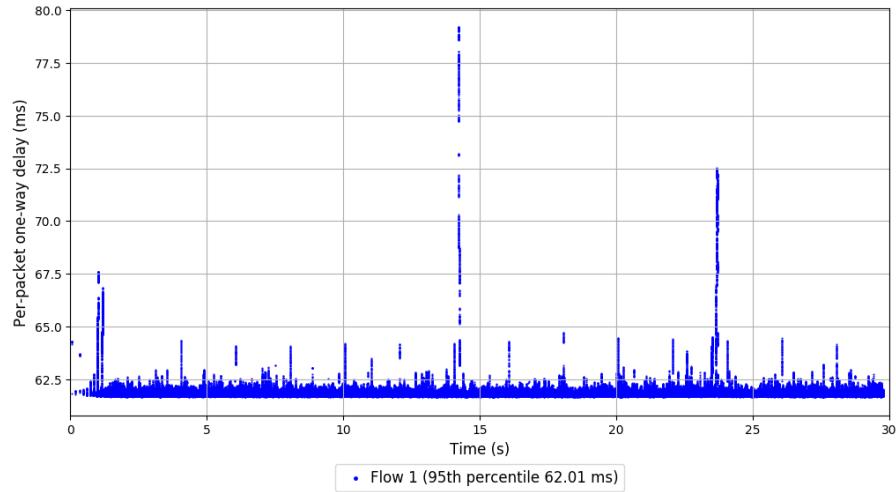
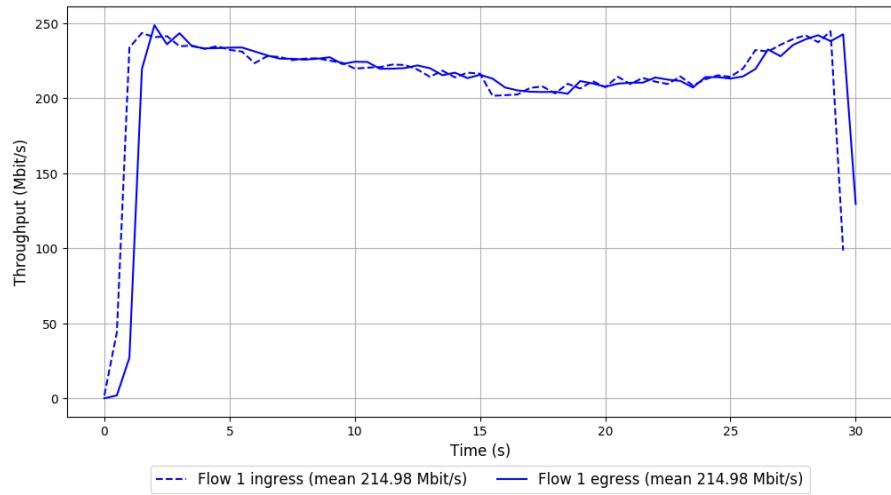


Run 10: Statistics of Indigo

```
Start at: 2018-05-25 01:15:41
End at: 2018-05-25 01:16:11
Local clock offset: -0.038 ms
Remote clock offset: 0.221 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.98 Mbit/s
95th percentile per-packet one-way delay: 62.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.98 Mbit/s
95th percentile per-packet one-way delay: 62.008 ms
Loss rate: 0.00%
```

## Run 10: Report of Indigo — Data Link

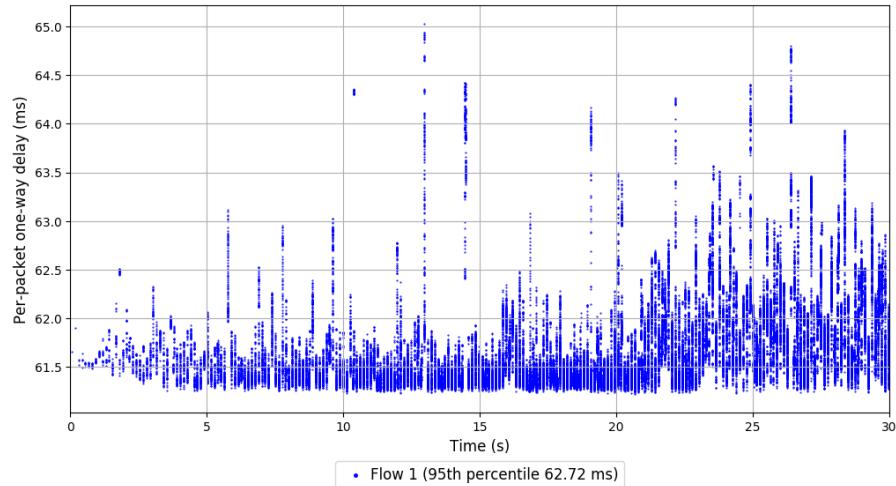
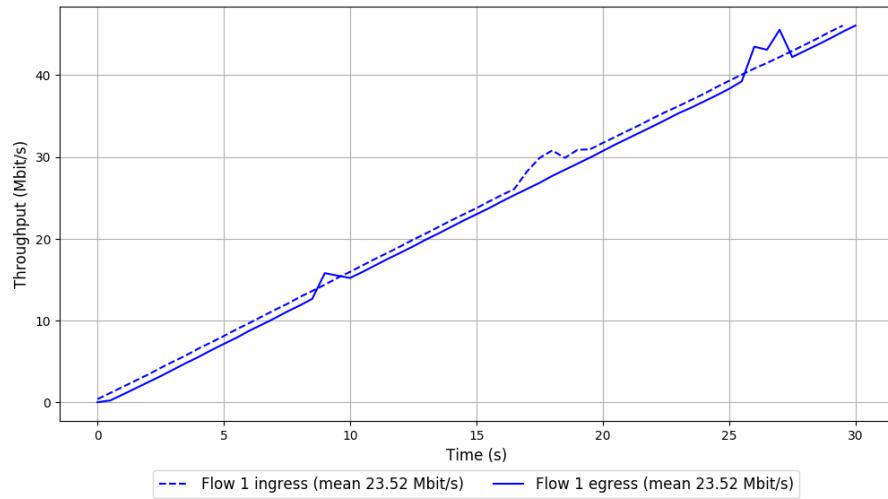


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 22:06:29
End at: 2018-05-24 22:06:59
Local clock offset: 0.013 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 62.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 62.722 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

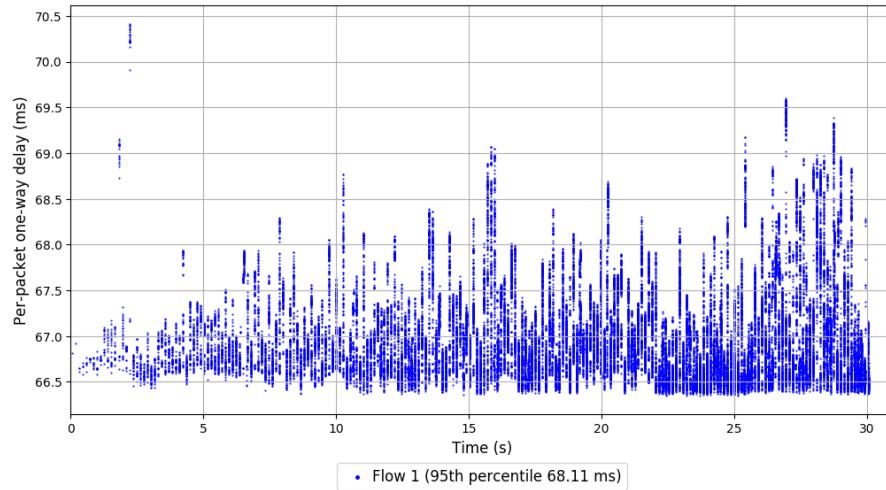
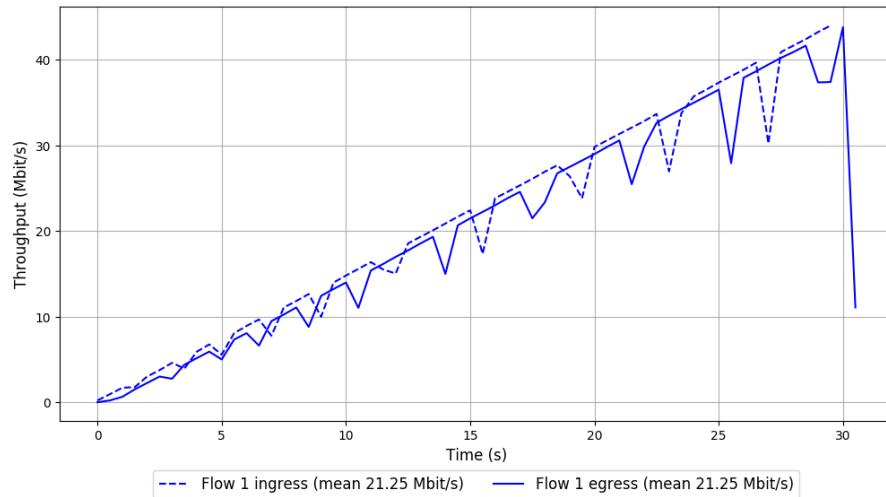


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-24 22:26:34
End at: 2018-05-24 22:27:04
Local clock offset: 0.028 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 68.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 68.115 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link

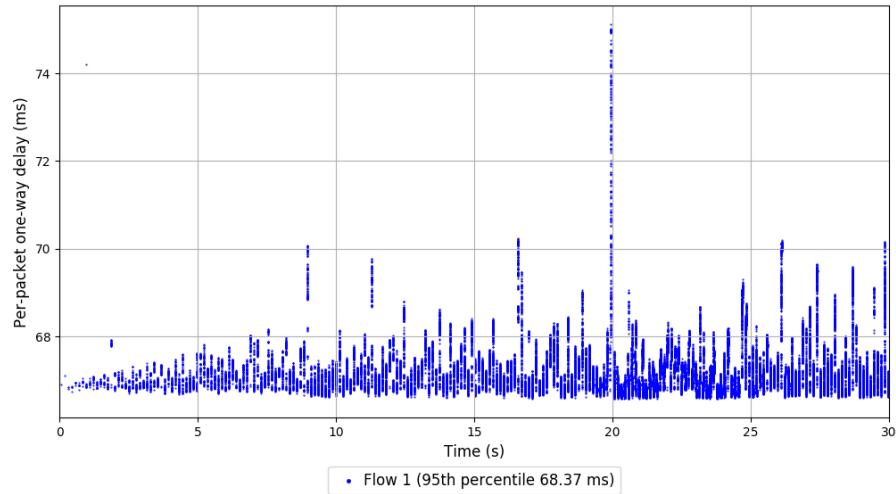
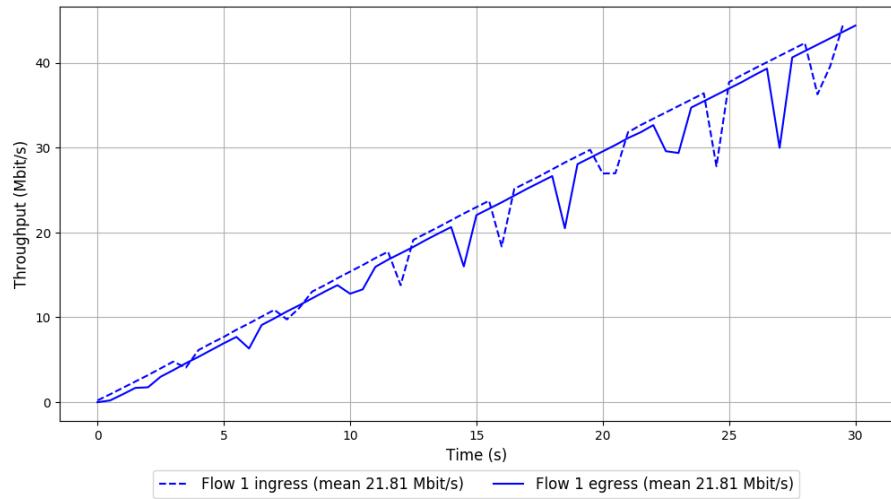


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-24 22:46:35
End at: 2018-05-24 22:47:05
Local clock offset: -0.05 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 68.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 68.367 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

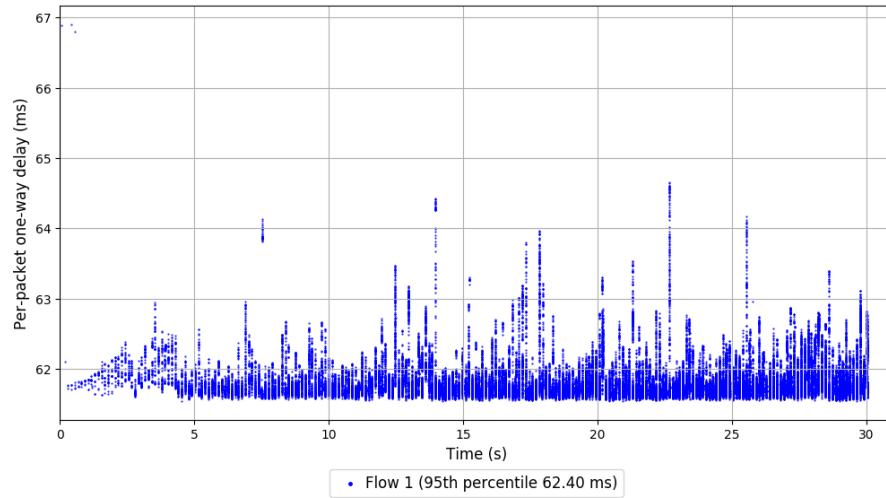
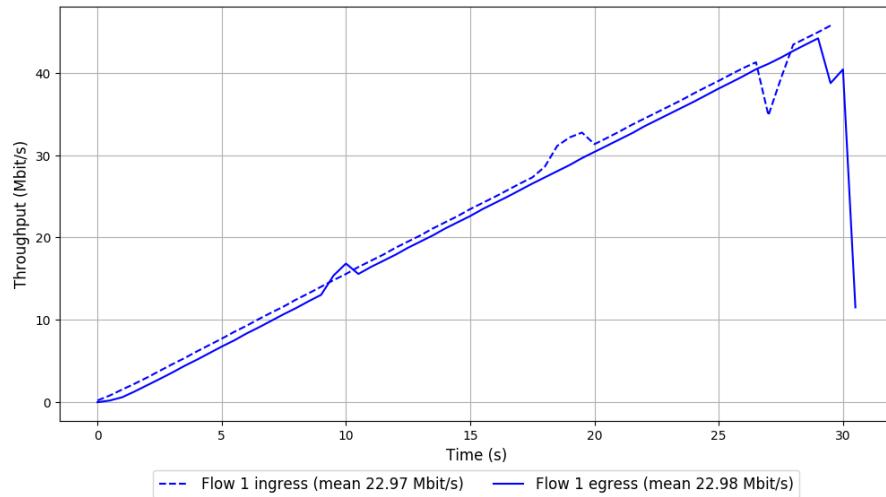


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-24 23:06:48
End at: 2018-05-24 23:07:18
Local clock offset: -0.072 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 62.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 62.403 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link

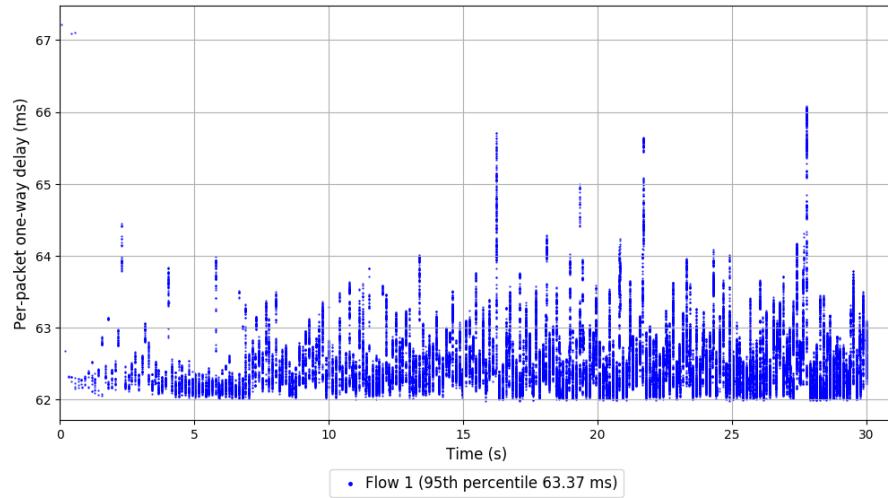
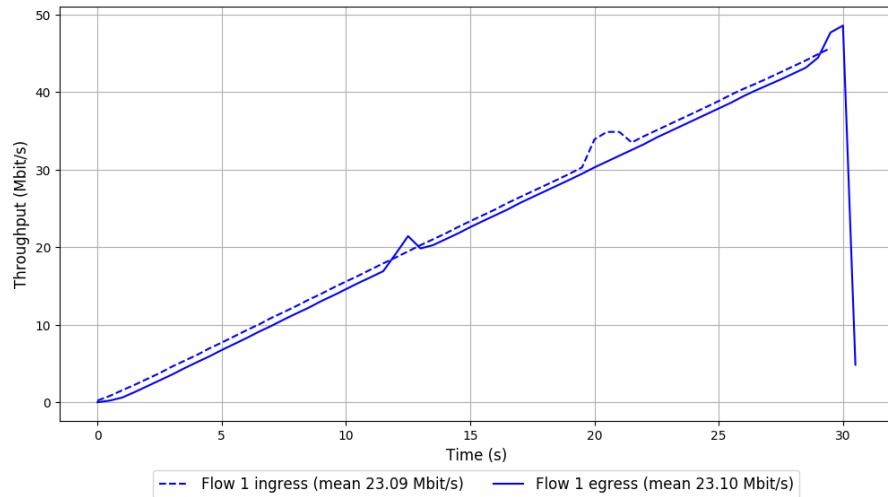


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-24 23:27:06
End at: 2018-05-24 23:27:36
Local clock offset: -0.122 ms
Remote clock offset: 0.366 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 63.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 63.370 ms
Loss rate: 0.00%
```

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

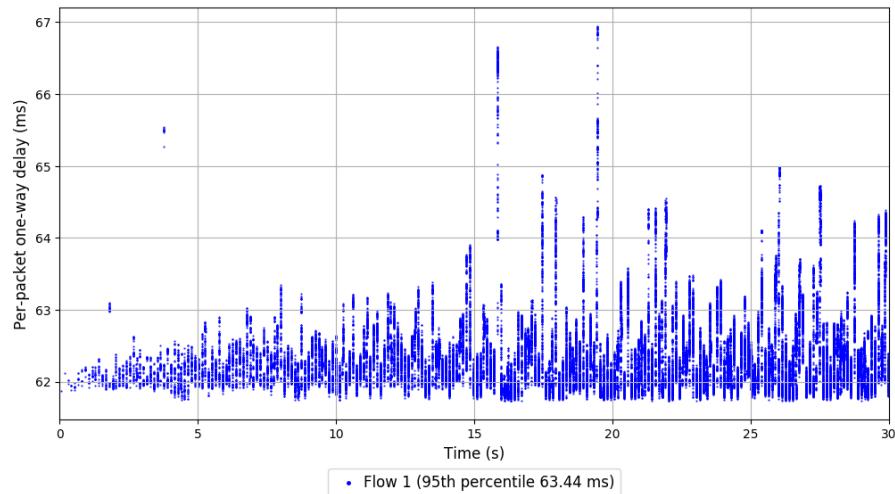
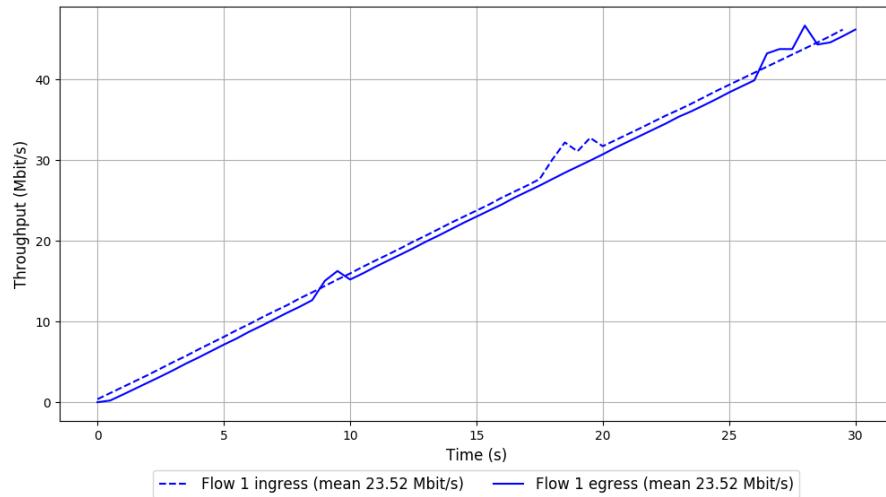


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-24 23:47:19
End at: 2018-05-24 23:47:49
Local clock offset: 0.015 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 63.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 63.435 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

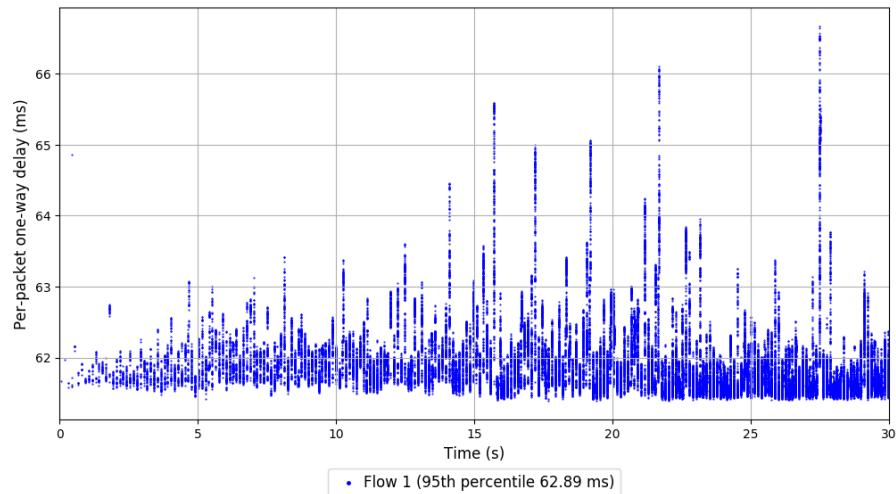
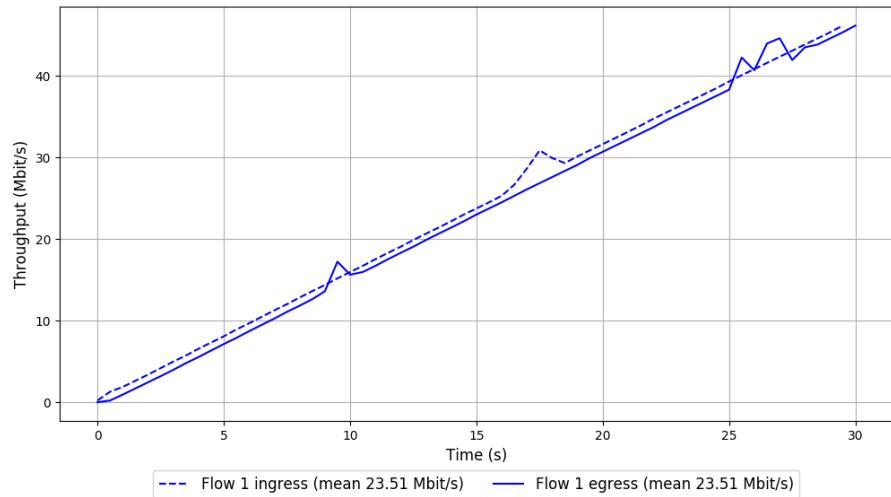


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-25 00:07:34
End at: 2018-05-25 00:08:04
Local clock offset: -0.042 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 62.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 62.886 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

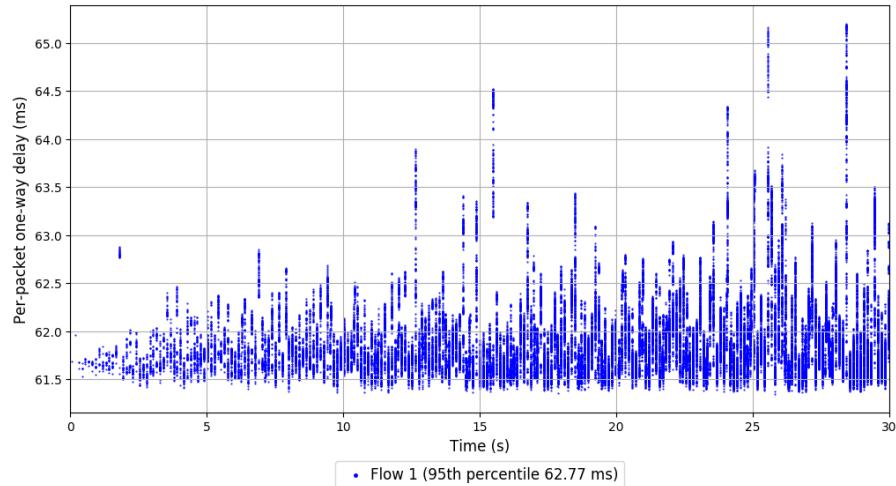
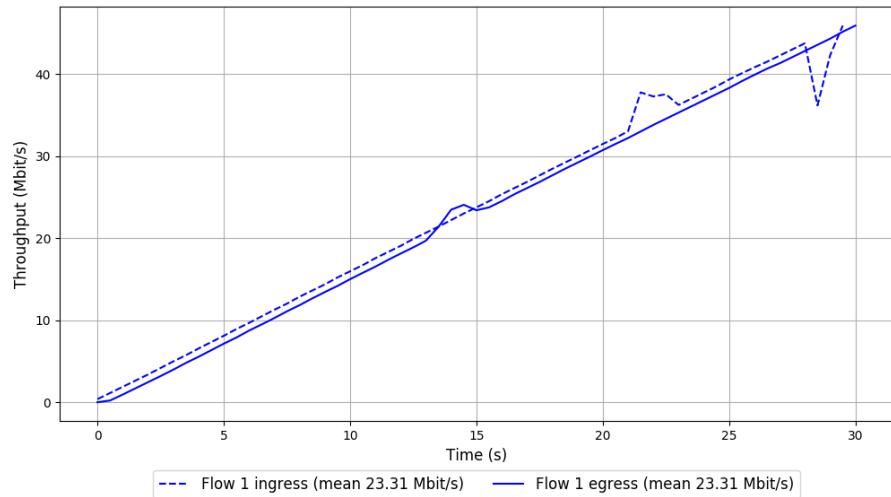


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-25 00:27:26
End at: 2018-05-25 00:27:56
Local clock offset: -0.034 ms
Remote clock offset: -0.147 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 62.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 62.769 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

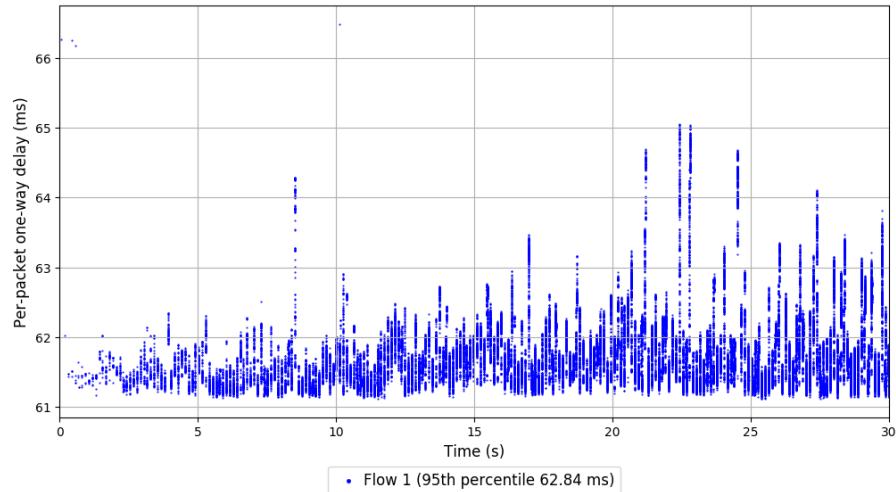
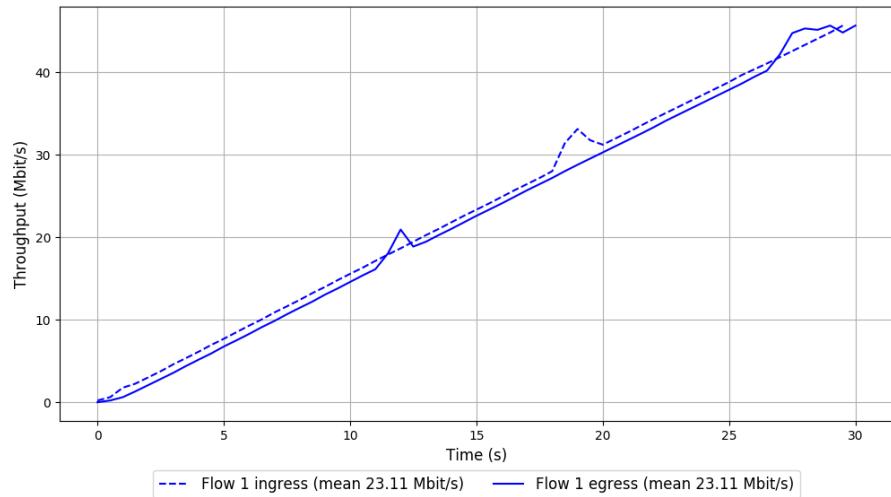


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-25 00:47:05
End at: 2018-05-25 00:47:35
Local clock offset: -0.048 ms
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 62.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 62.841 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

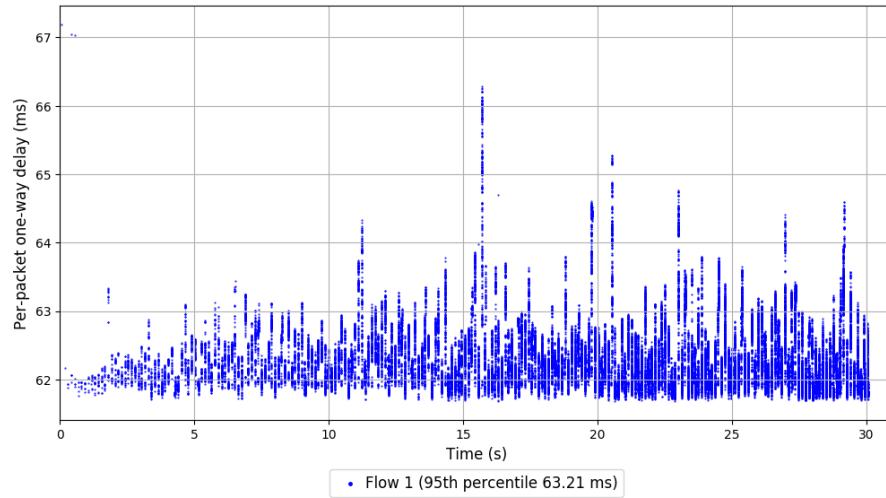
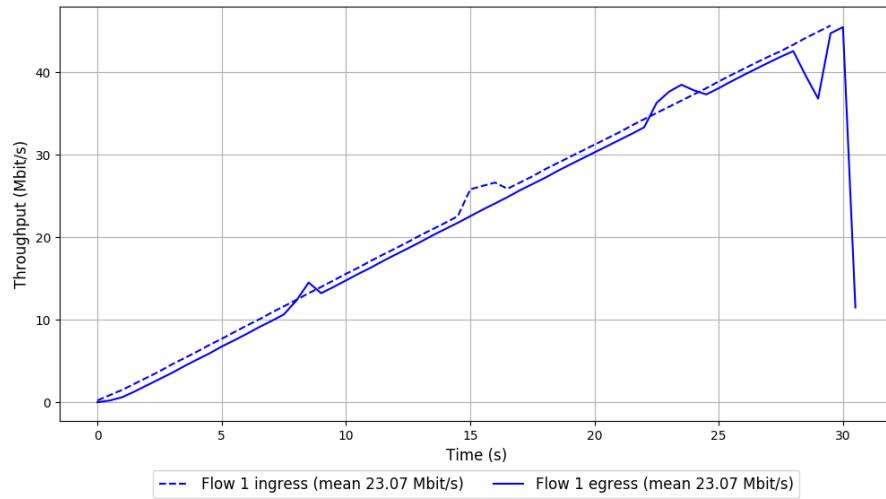


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-25 01:07:20
End at: 2018-05-25 01:07:50
Local clock offset: -0.038 ms
Remote clock offset: 0.248 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 63.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 63.210 ms
Loss rate: 0.00%
```

## Run 10: Report of LEDBAT — Data Link

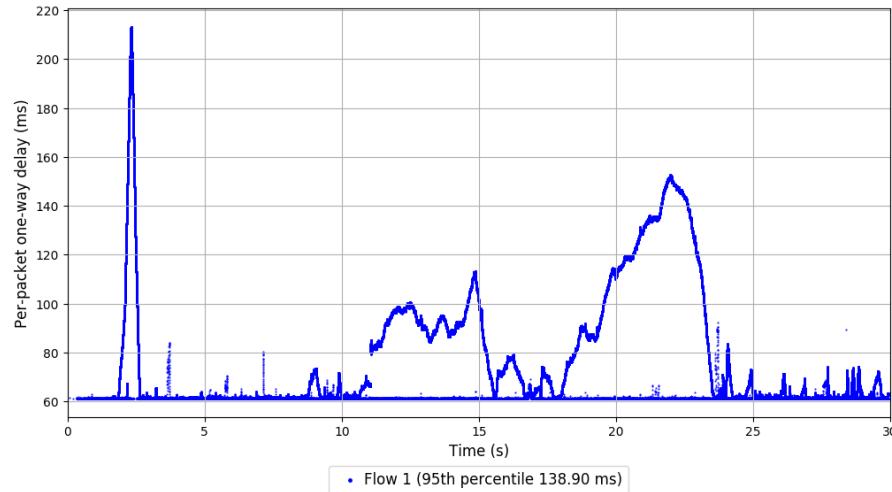
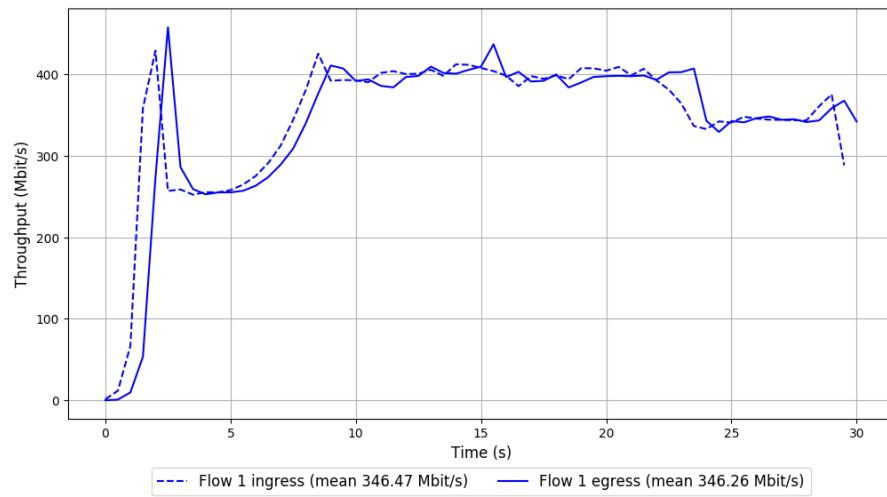


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-24 22:13:44
End at: 2018-05-24 22:14:14
Local clock offset: 0.021 ms
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.26 Mbit/s
95th percentile per-packet one-way delay: 138.903 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 346.26 Mbit/s
95th percentile per-packet one-way delay: 138.903 ms
Loss rate: 0.06%
```

Run 1: Report of PCC-Allegro — Data Link

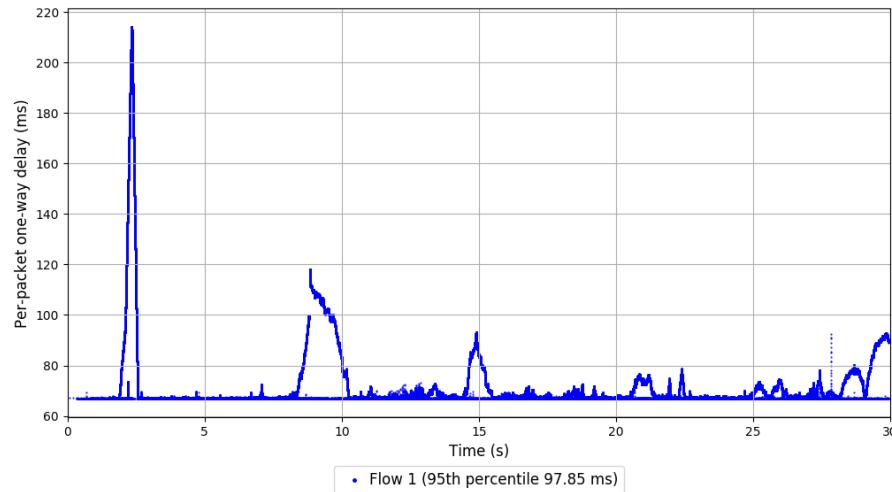
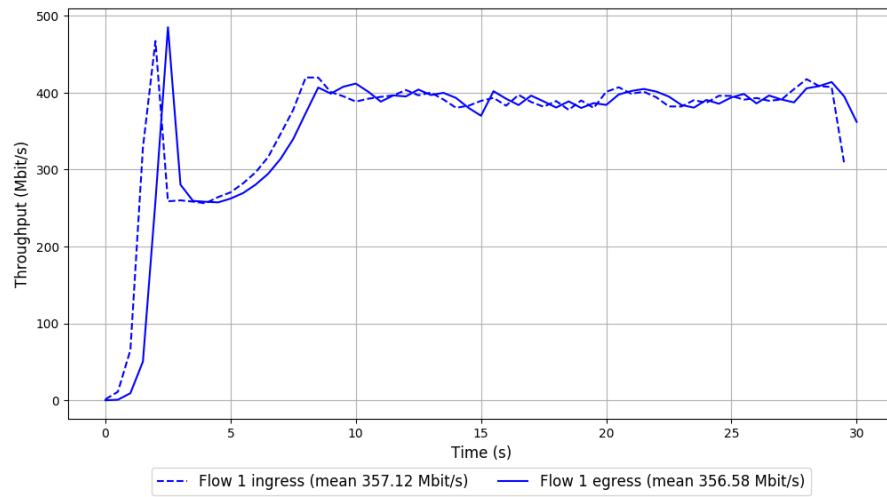


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-24 22:33:46
End at: 2018-05-24 22:34:16
Local clock offset: -0.013 ms
Remote clock offset: 0.306 ms

# Below is generated by plot.py at 2018-05-25 02:10:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.58 Mbit/s
95th percentile per-packet one-way delay: 97.854 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 356.58 Mbit/s
95th percentile per-packet one-way delay: 97.854 ms
Loss rate: 0.14%
```

Run 2: Report of PCC-Allegro — Data Link

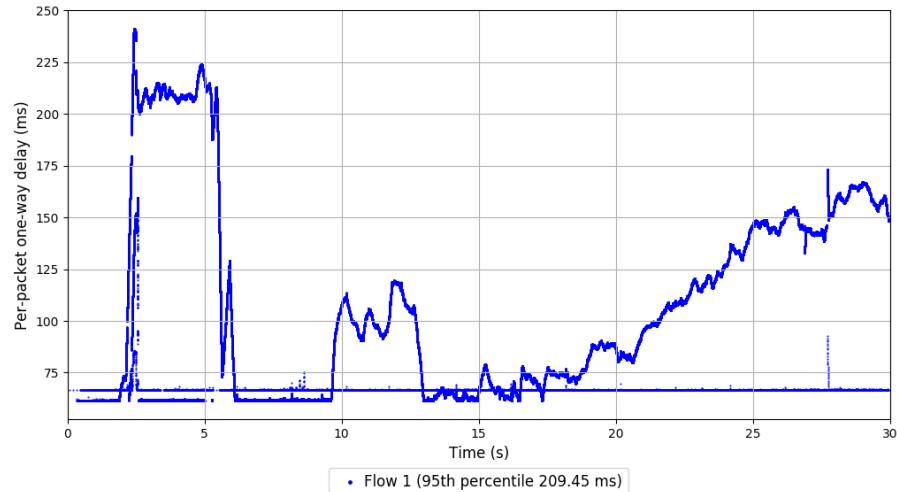
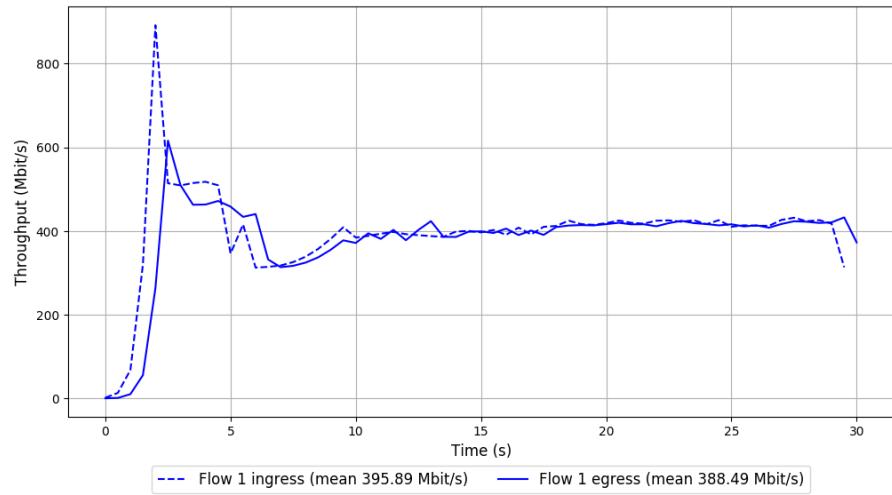


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-24 22:53:53
End at: 2018-05-24 22:54:23
Local clock offset: 0.004 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-05-25 02:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.49 Mbit/s
95th percentile per-packet one-way delay: 209.449 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 388.49 Mbit/s
95th percentile per-packet one-way delay: 209.449 ms
Loss rate: 1.88%
```

Run 3: Report of PCC-Allegro — Data Link

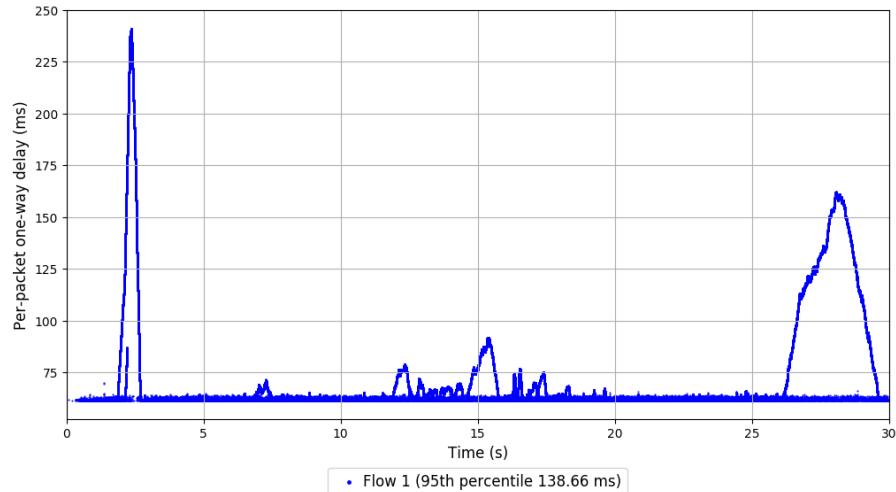
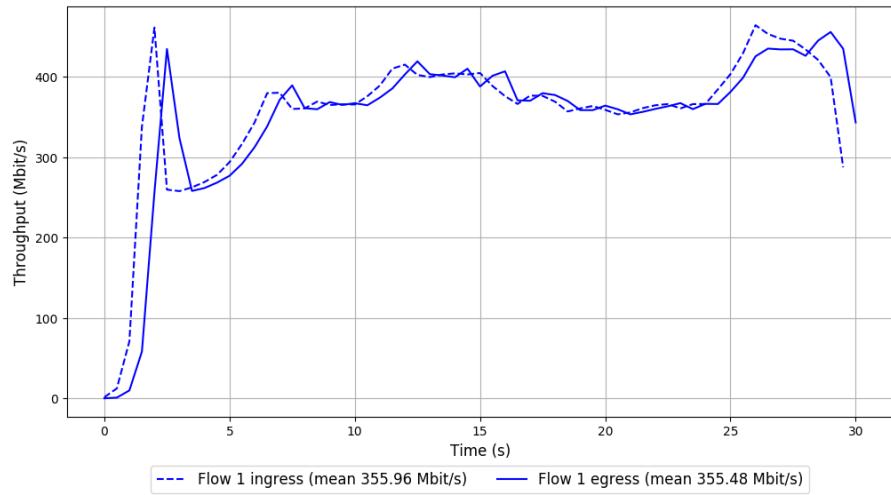


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-24 23:14:14
End at: 2018-05-24 23:14:44
Local clock offset: -0.11 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-05-25 02:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.48 Mbit/s
95th percentile per-packet one-way delay: 138.657 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 355.48 Mbit/s
95th percentile per-packet one-way delay: 138.657 ms
Loss rate: 0.13%
```

Run 4: Report of PCC-Allegro — Data Link

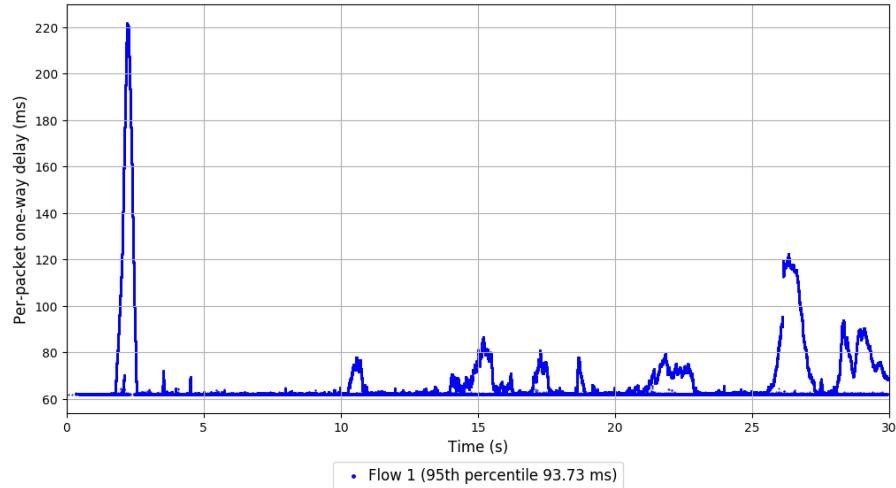
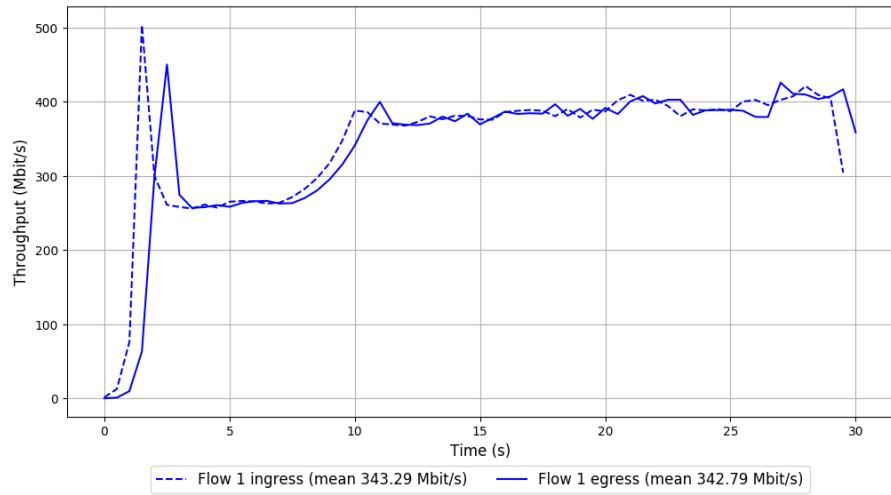


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-24 23:34:29
End at: 2018-05-24 23:34:59
Local clock offset: -0.051 ms
Remote clock offset: 0.357 ms

# Below is generated by plot.py at 2018-05-25 02:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 342.79 Mbit/s
95th percentile per-packet one-way delay: 93.727 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 342.79 Mbit/s
95th percentile per-packet one-way delay: 93.727 ms
Loss rate: 0.14%
```

Run 5: Report of PCC-Allegro — Data Link

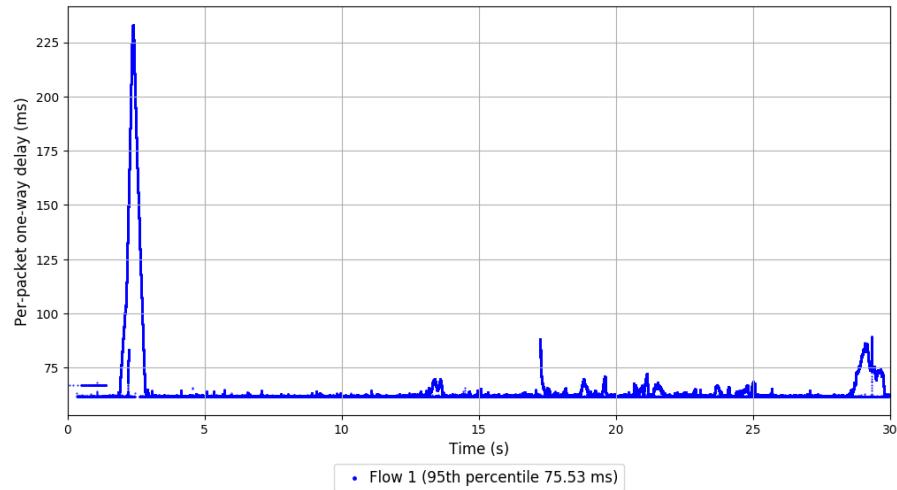
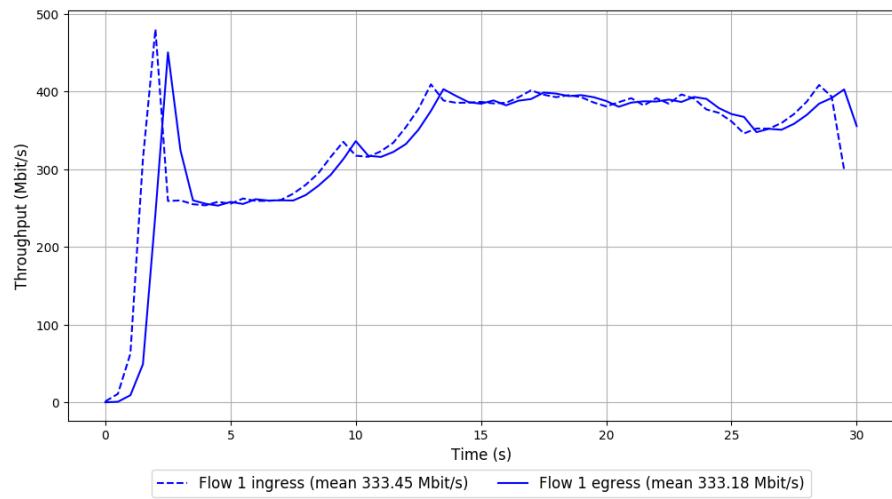


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-24 23:54:38
End at: 2018-05-24 23:55:08
Local clock offset: 0.042 ms
Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2018-05-25 02:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.18 Mbit/s
95th percentile per-packet one-way delay: 75.532 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 333.18 Mbit/s
95th percentile per-packet one-way delay: 75.532 ms
Loss rate: 0.10%
```

Run 6: Report of PCC-Allegro — Data Link

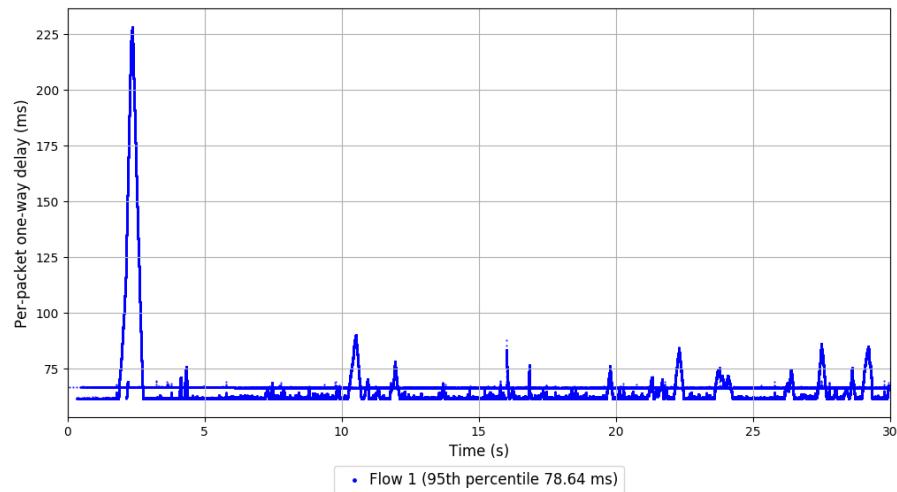
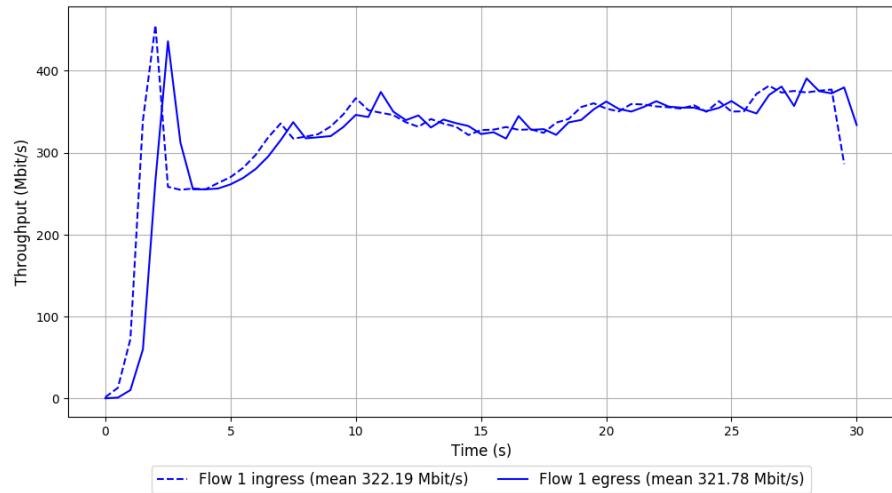


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-25 00:14:43
End at: 2018-05-25 00:15:13
Local clock offset: 0.033 ms
Remote clock offset: 0.126 ms

# Below is generated by plot.py at 2018-05-25 02:15:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 78.643 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 78.643 ms
Loss rate: 0.12%
```

Run 7: Report of PCC-Allegro — Data Link

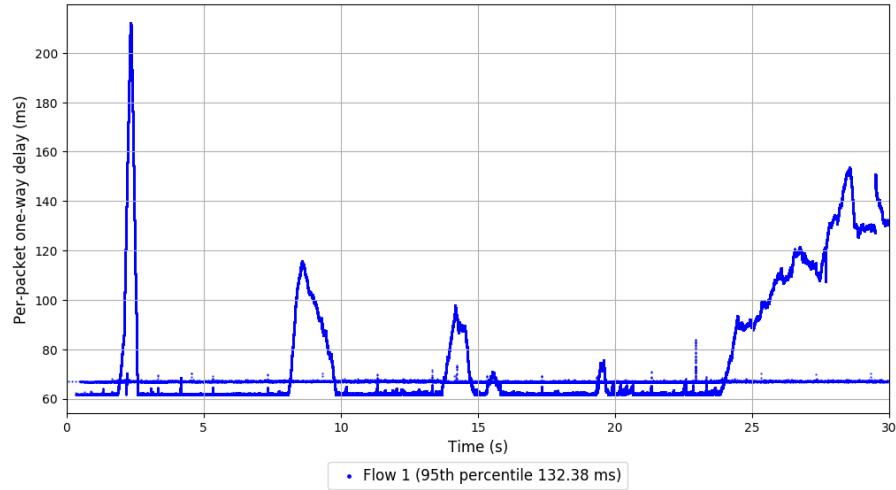
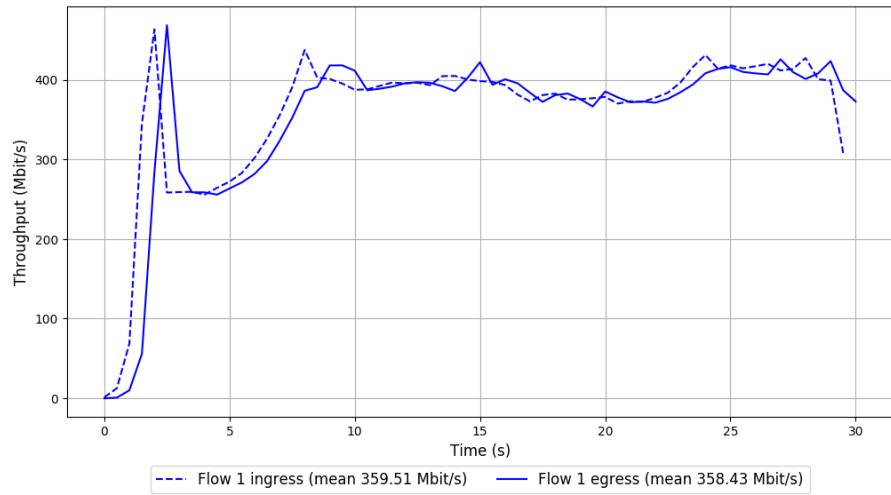


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-25 00:34:26
End at: 2018-05-25 00:34:56
Local clock offset: -0.029 ms
Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2018-05-25 02:17:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 358.43 Mbit/s
95th percentile per-packet one-way delay: 132.380 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 358.43 Mbit/s
95th percentile per-packet one-way delay: 132.380 ms
Loss rate: 0.30%
```

Run 8: Report of PCC-Allegro — Data Link

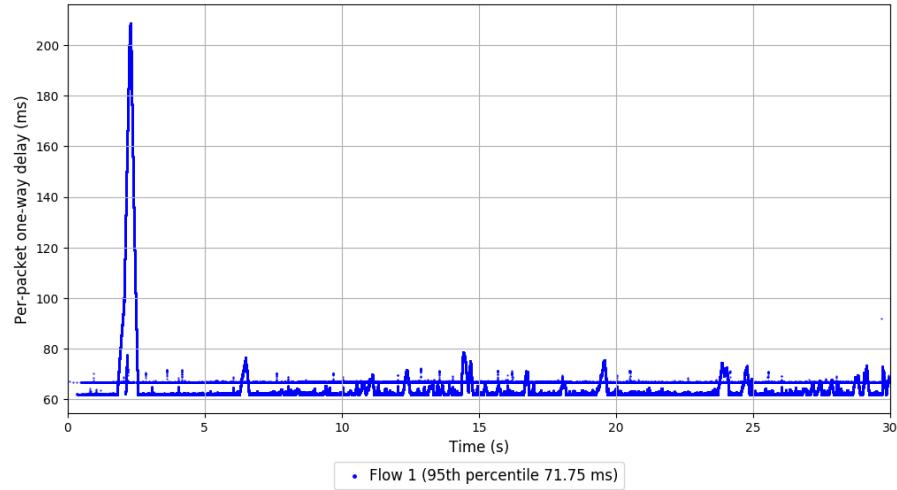
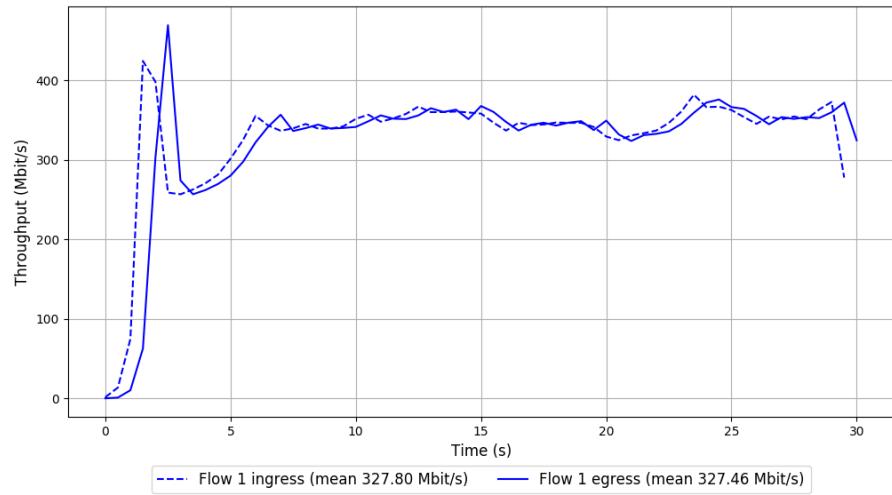


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-25 00:54:21
End at: 2018-05-25 00:54:51
Local clock offset: -0.093 ms
Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2018-05-25 02:17:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.46 Mbit/s
95th percentile per-packet one-way delay: 71.752 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 327.46 Mbit/s
95th percentile per-packet one-way delay: 71.752 ms
Loss rate: 0.10%
```

Run 9: Report of PCC-Allegro — Data Link

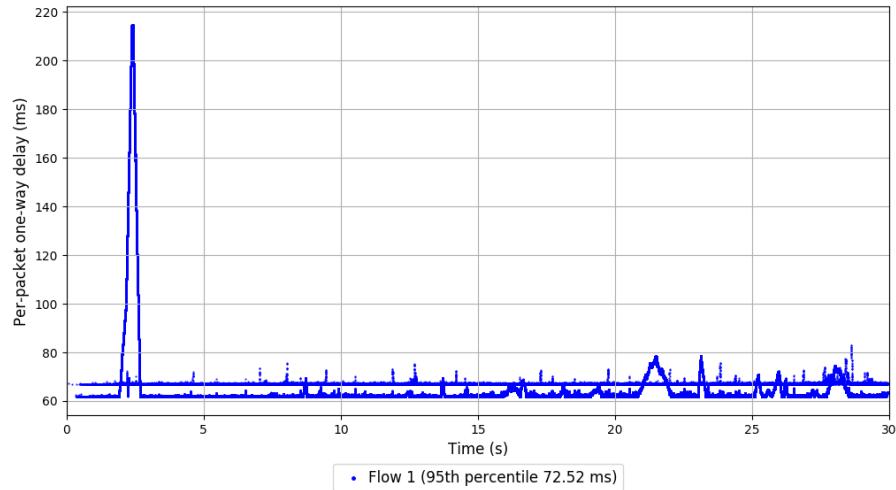
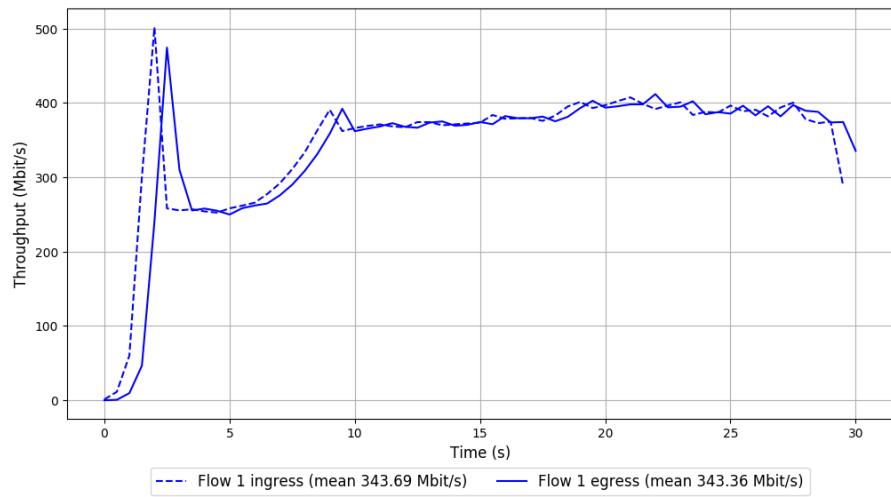


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-25 01:14:23
End at: 2018-05-25 01:14:53
Local clock offset: -0.061 ms
Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2018-05-25 02:17:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.36 Mbit/s
95th percentile per-packet one-way delay: 72.519 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 343.36 Mbit/s
95th percentile per-packet one-way delay: 72.519 ms
Loss rate: 0.10%
```

Run 10: Report of PCC-Allegro — Data Link

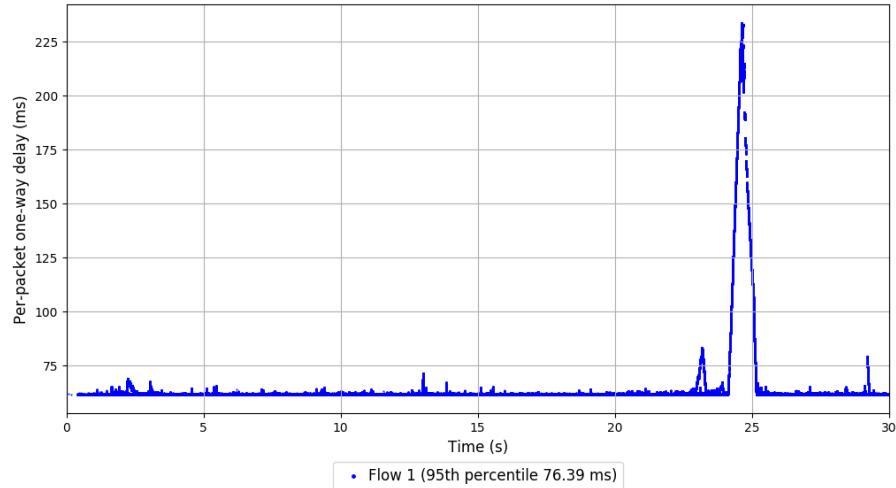
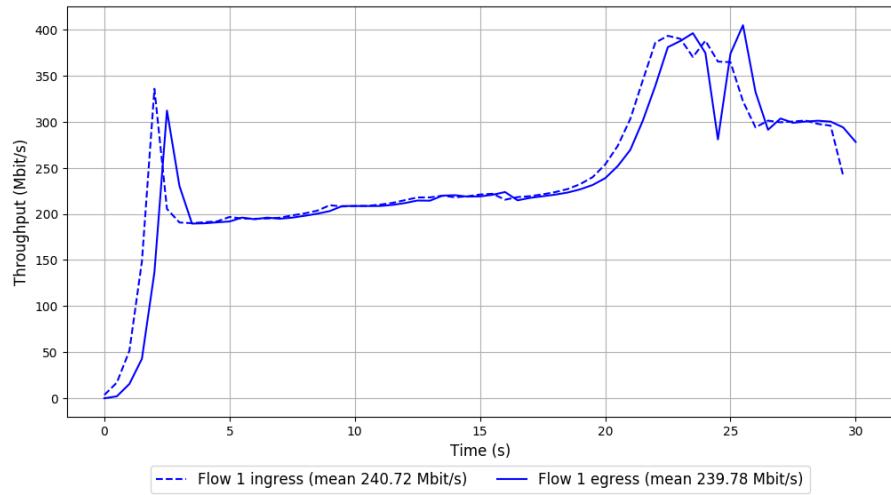


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 22:11:08
End at: 2018-05-24 22:11:38
Local clock offset: 0.003 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-25 02:20:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.78 Mbit/s
95th percentile per-packet one-way delay: 76.387 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 239.78 Mbit/s
95th percentile per-packet one-way delay: 76.387 ms
Loss rate: 0.39%
```

Run 1: Report of PCC-Expr — Data Link

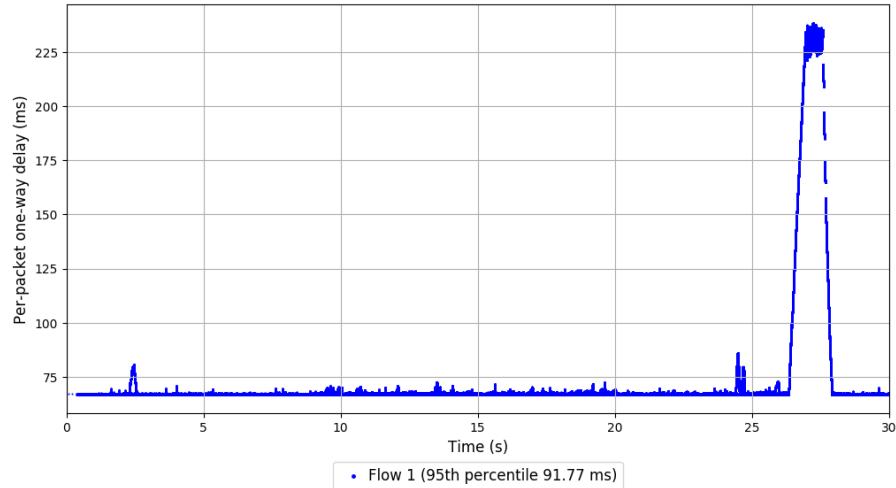
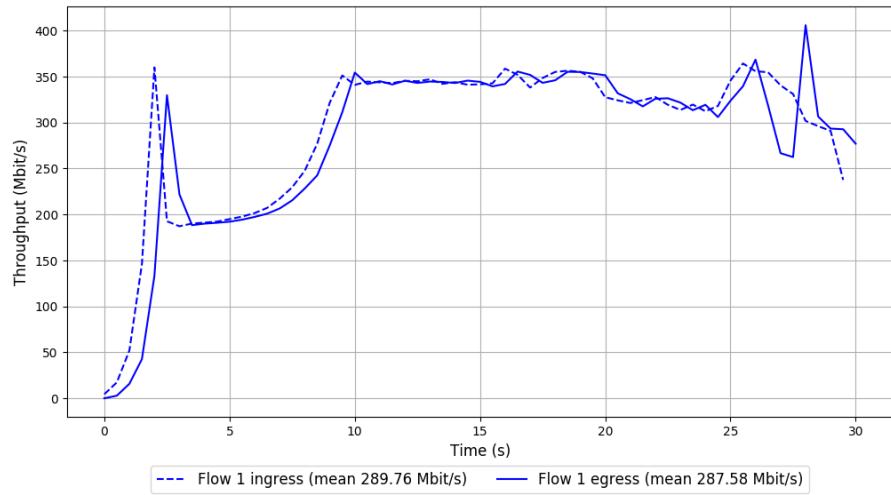


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-24 22:31:09
End at: 2018-05-24 22:31:39
Local clock offset: 0.004 ms
Remote clock offset: 0.246 ms

# Below is generated by plot.py at 2018-05-25 02:21:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 287.58 Mbit/s
95th percentile per-packet one-way delay: 91.770 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 287.58 Mbit/s
95th percentile per-packet one-way delay: 91.770 ms
Loss rate: 0.75%
```

Run 2: Report of PCC-Expr — Data Link

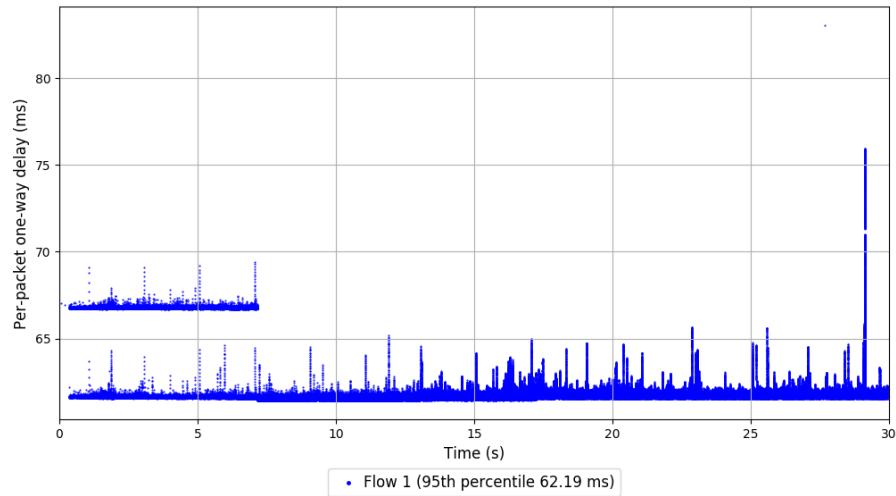
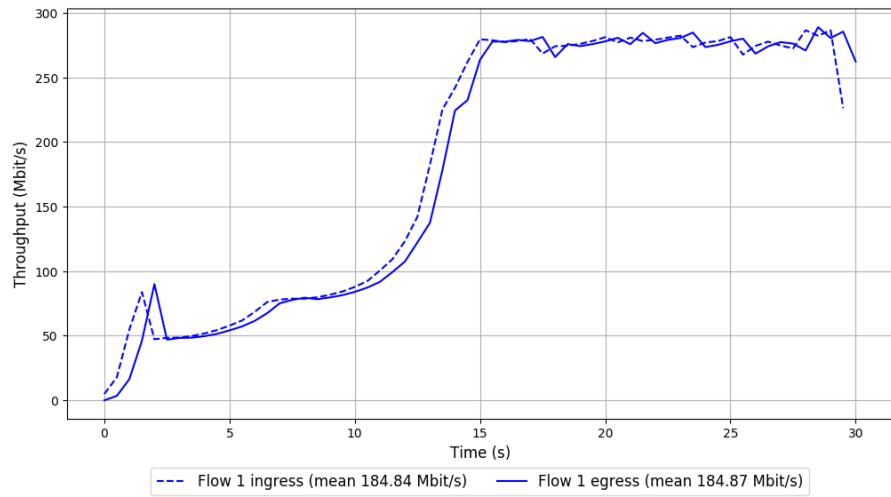


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-24 22:51:22
End at: 2018-05-24 22:51:52
Local clock offset: -0.018 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-05-25 02:21:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.87 Mbit/s
95th percentile per-packet one-way delay: 62.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.87 Mbit/s
95th percentile per-packet one-way delay: 62.188 ms
Loss rate: 0.00%
```

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

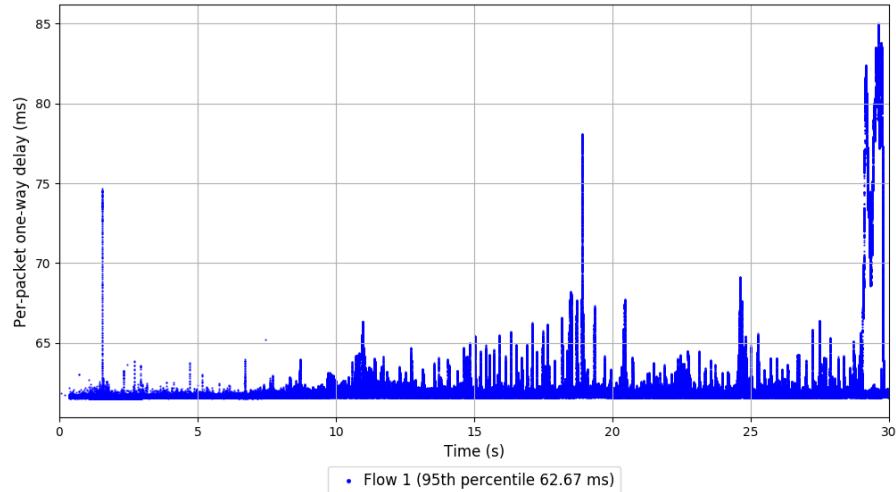
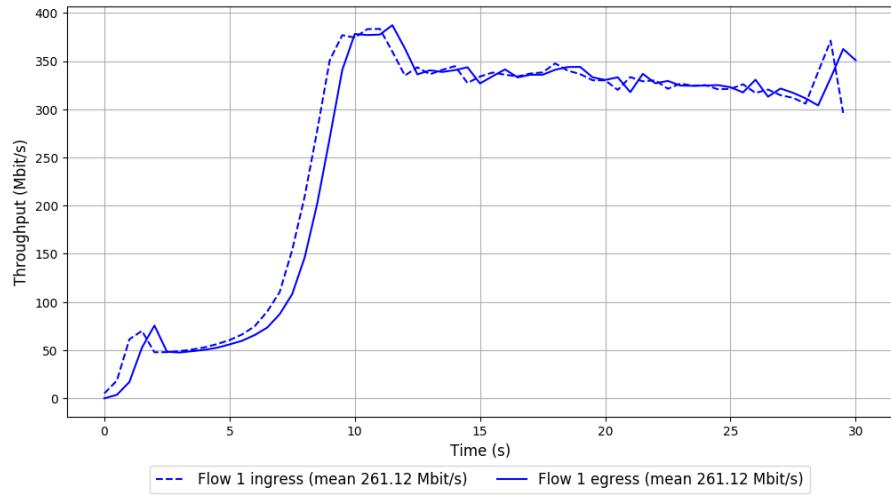


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-24 23:11:36
End at: 2018-05-24 23:12:06
Local clock offset: -0.061 ms
Remote clock offset: 0.14 ms

# Below is generated by plot.py at 2018-05-25 02:21:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.12 Mbit/s
95th percentile per-packet one-way delay: 62.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 261.12 Mbit/s
95th percentile per-packet one-way delay: 62.667 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Expr — Data Link

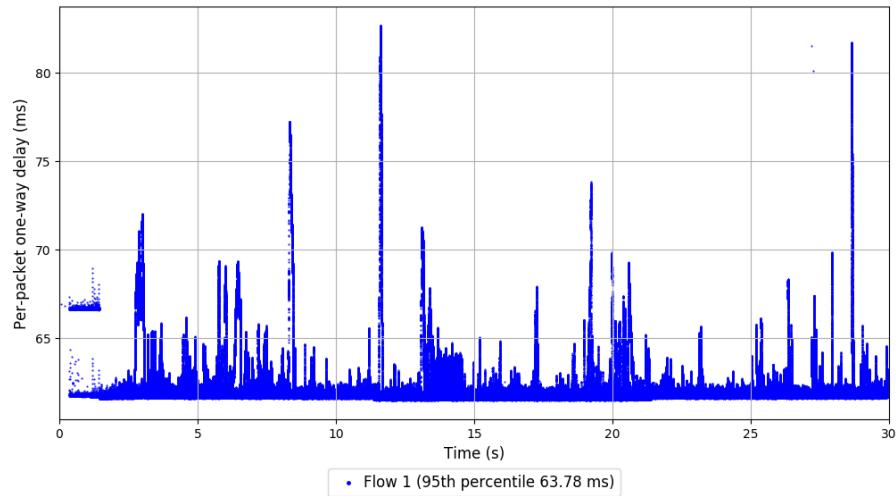
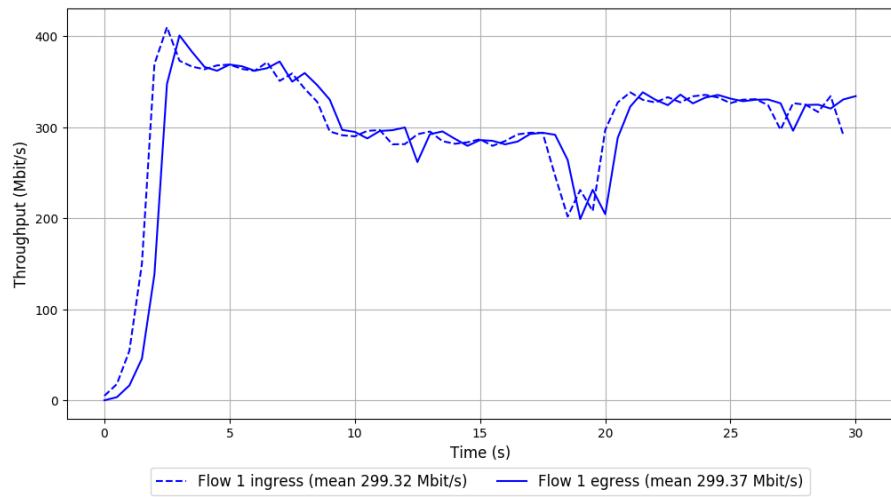


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-24 23:31:48
End at: 2018-05-24 23:32:18
Local clock offset: -0.019 ms
Remote clock offset: 0.126 ms

# Below is generated by plot.py at 2018-05-25 02:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 299.37 Mbit/s
95th percentile per-packet one-way delay: 63.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 299.37 Mbit/s
95th percentile per-packet one-way delay: 63.776 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Expr — Data Link

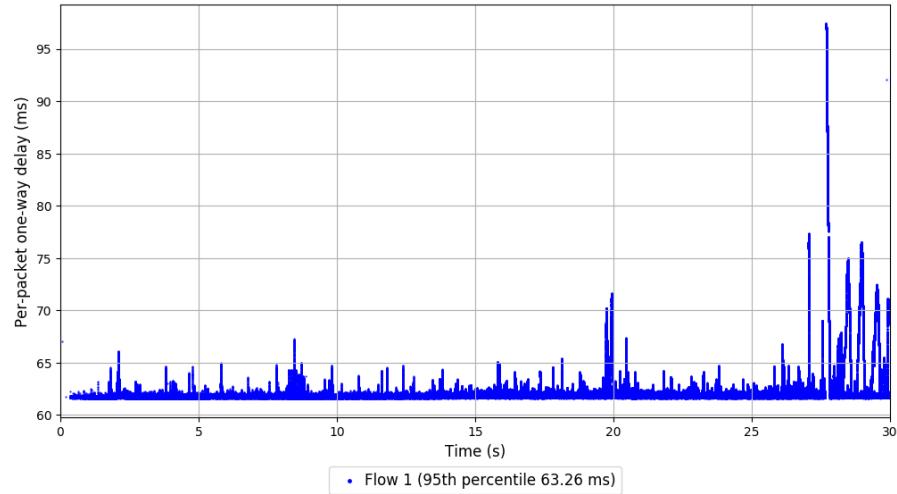
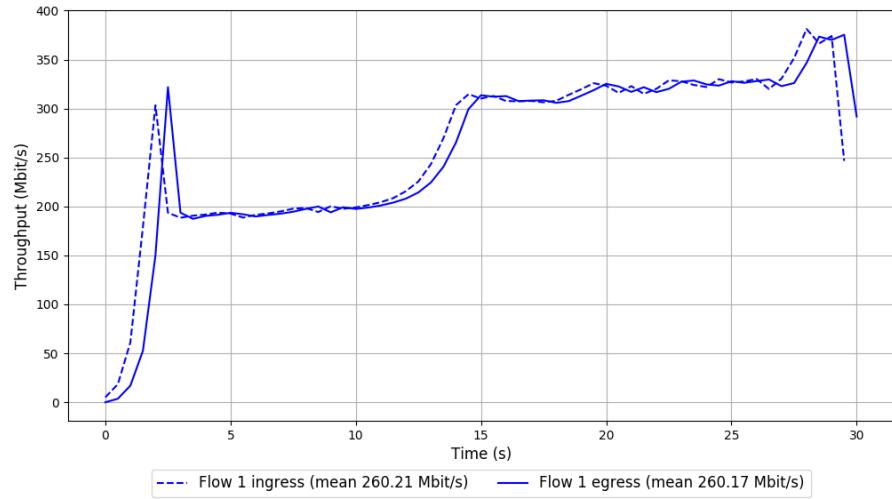


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-24 23:51:59
End at: 2018-05-24 23:52:29
Local clock offset: 0.01 ms
Remote clock offset: 0.141 ms

# Below is generated by plot.py at 2018-05-25 02:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.17 Mbit/s
95th percentile per-packet one-way delay: 63.257 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 260.17 Mbit/s
95th percentile per-packet one-way delay: 63.257 ms
Loss rate: 0.03%
```

Run 6: Report of PCC-Expr — Data Link

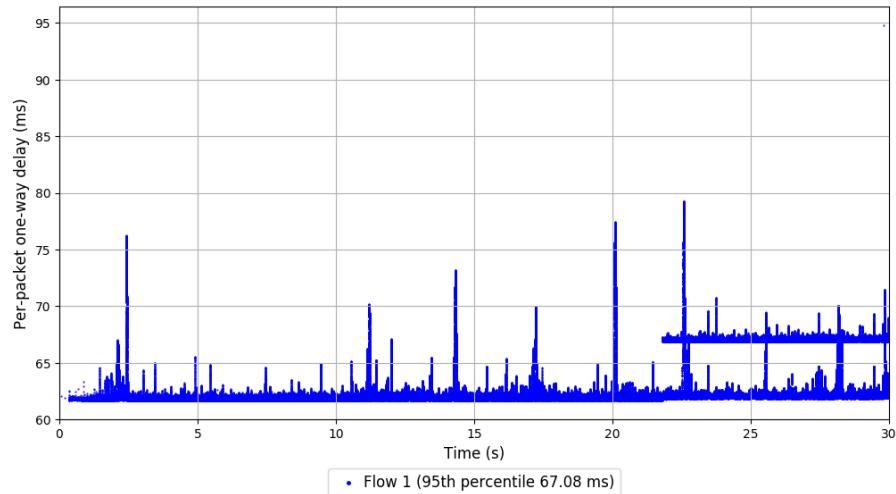
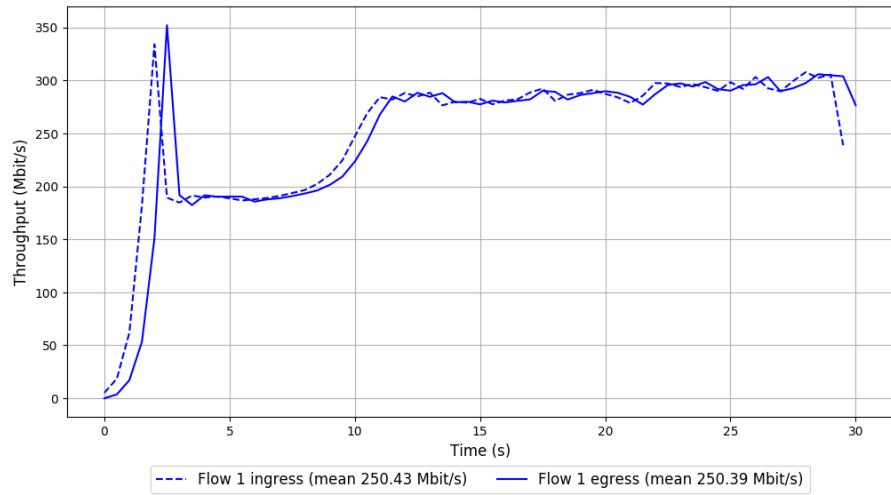


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-25 00:12:08
End at: 2018-05-25 00:12:38
Local clock offset: -0.031 ms
Remote clock offset: 0.233 ms

# Below is generated by plot.py at 2018-05-25 02:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.39 Mbit/s
95th percentile per-packet one-way delay: 67.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.39 Mbit/s
95th percentile per-packet one-way delay: 67.076 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Expr — Data Link

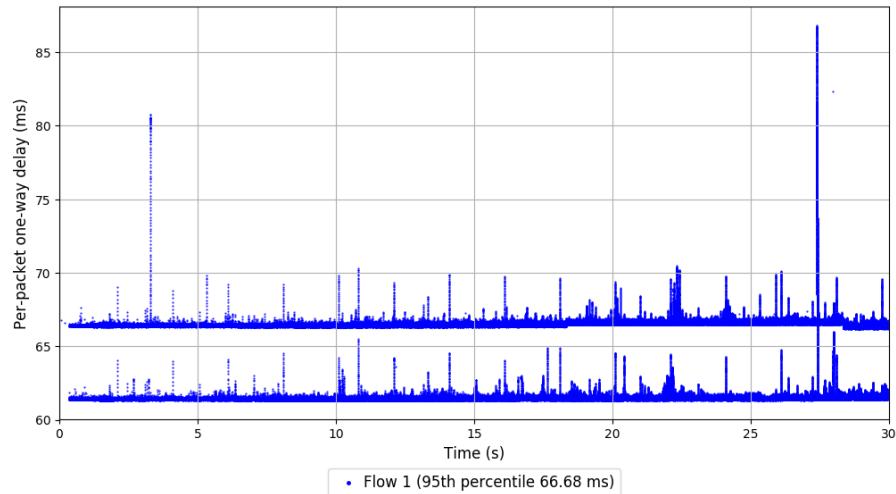
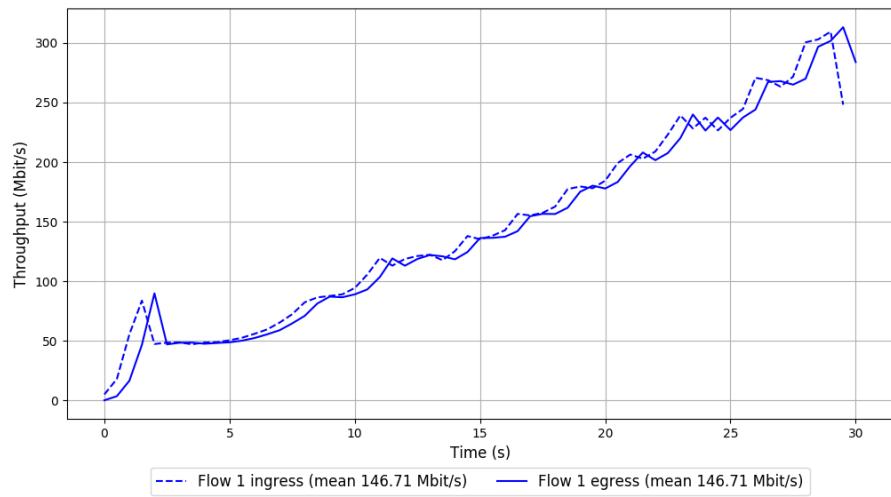


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-25 00:32:01
End at: 2018-05-25 00:32:31
Local clock offset: -0.074 ms
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2018-05-25 02:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.71 Mbit/s
95th percentile per-packet one-way delay: 66.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.71 Mbit/s
95th percentile per-packet one-way delay: 66.684 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Expr — Data Link

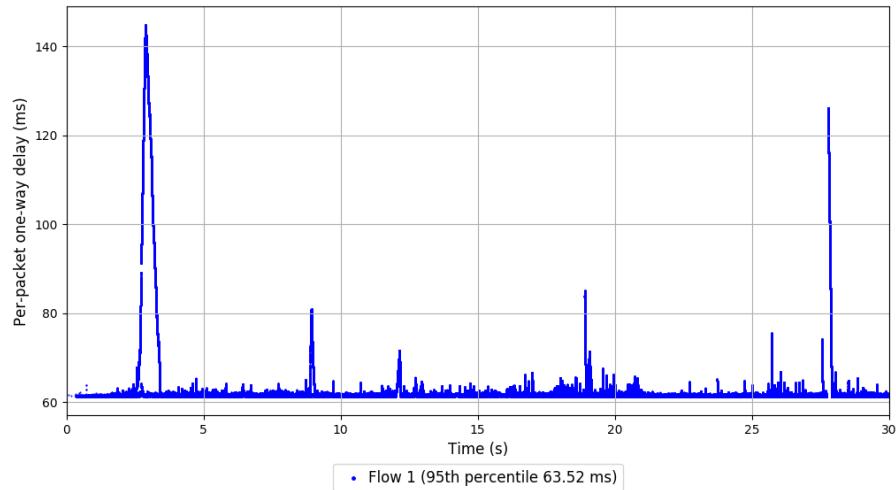
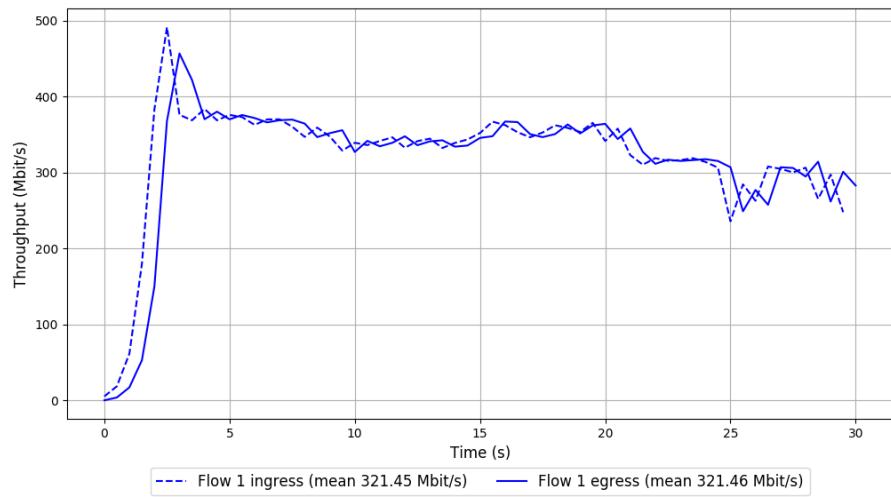


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-25 00:51:36
End at: 2018-05-25 00:52:06
Local clock offset: -0.077 ms
Remote clock offset: -0.191 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.46 Mbit/s
95th percentile per-packet one-way delay: 63.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.46 Mbit/s
95th percentile per-packet one-way delay: 63.518 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Expr — Data Link

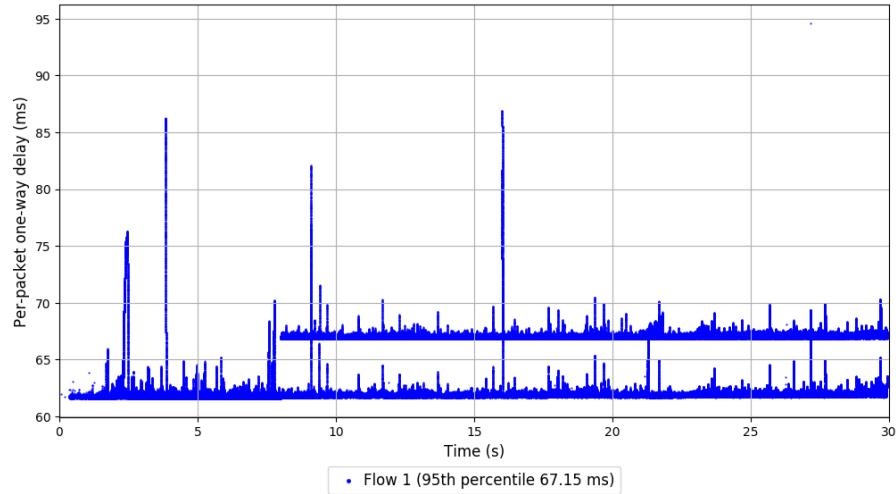
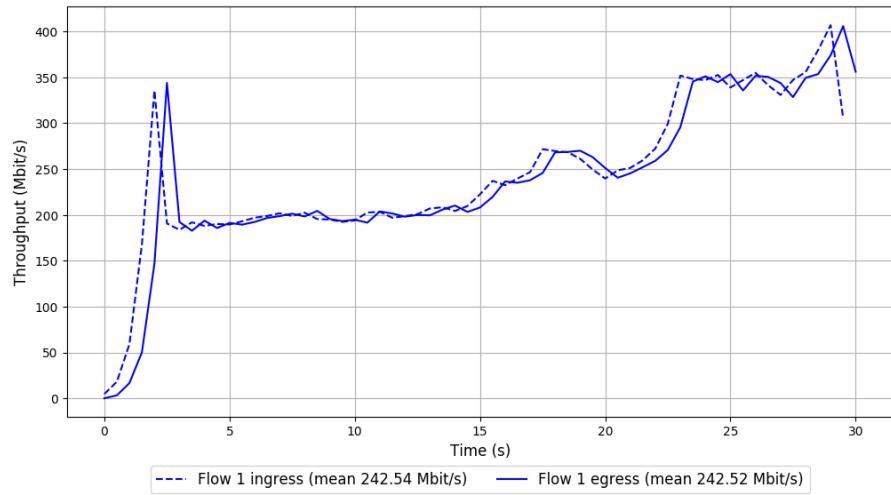


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-25 01:11:51
End at: 2018-05-25 01:12:21
Local clock offset: -0.061 ms
Remote clock offset: 0.176 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.52 Mbit/s
95th percentile per-packet one-way delay: 67.147 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 242.52 Mbit/s
95th percentile per-packet one-way delay: 67.147 ms
Loss rate: 0.01%
```

Run 10: Report of PCC-Expr — Data Link

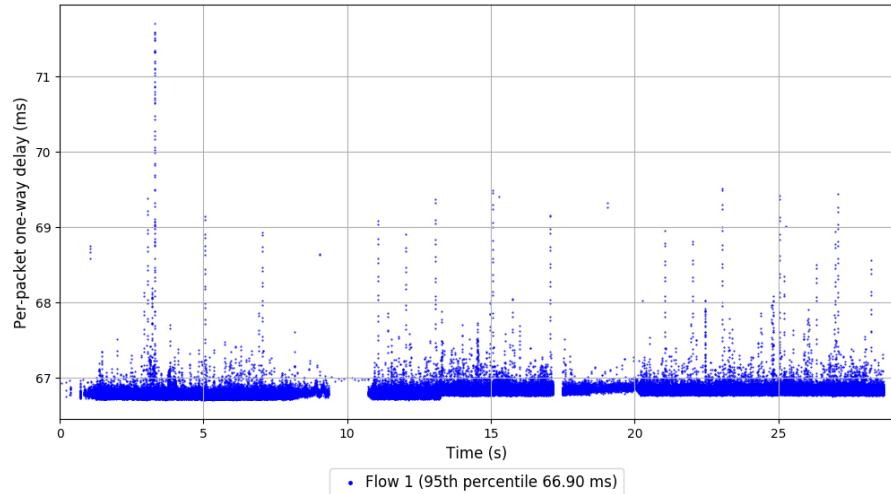
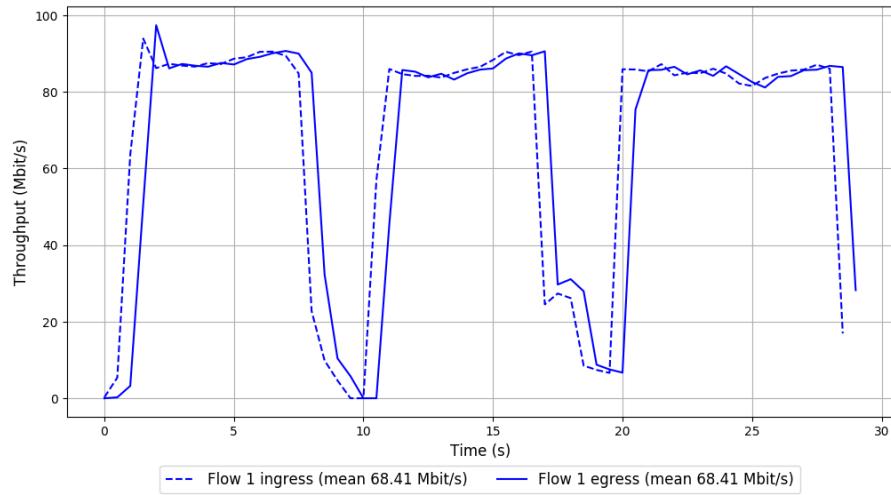


Run 1: Statistics of QUIC Cubic

```
Start at: 2018-05-24 22:12:35
End at: 2018-05-24 22:13:05
Local clock offset: 0.001 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.41 Mbit/s
95th percentile per-packet one-way delay: 66.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.41 Mbit/s
95th percentile per-packet one-way delay: 66.898 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

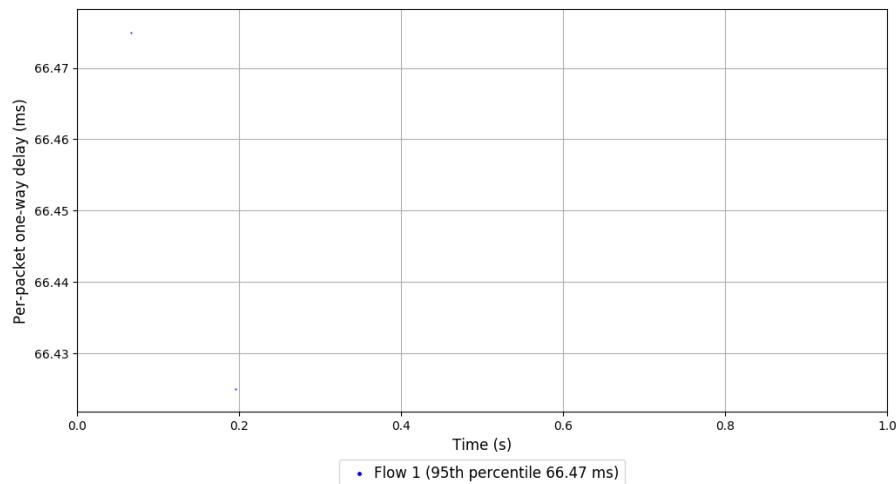
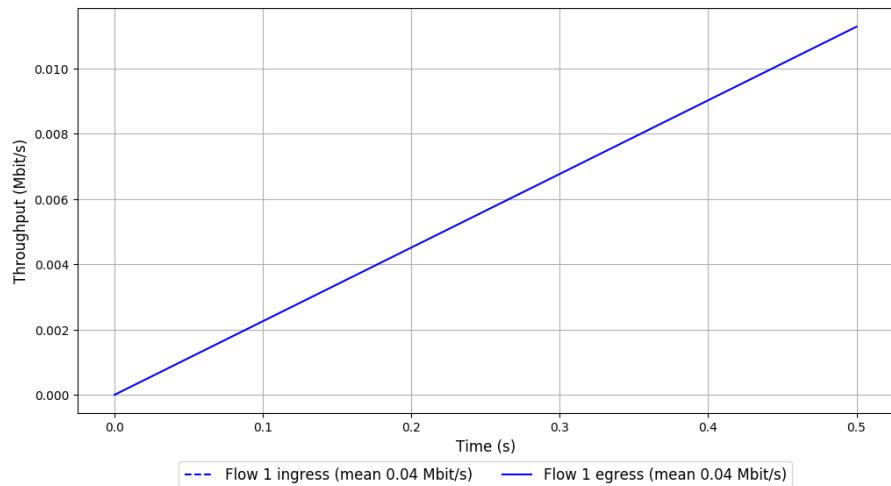
Start at: 2018-05-24 22:32:41

End at: 2018-05-24 22:33:11

Local clock offset: 0.021 ms

Remote clock offset: -0.289 ms

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

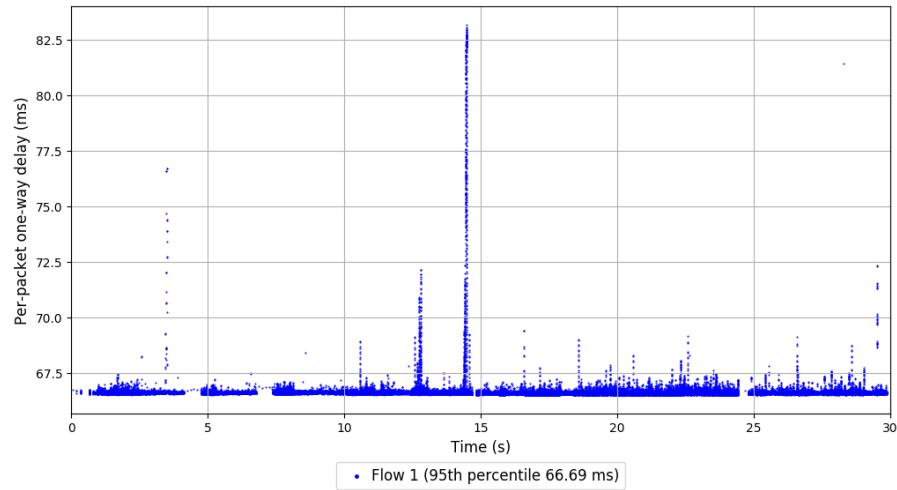
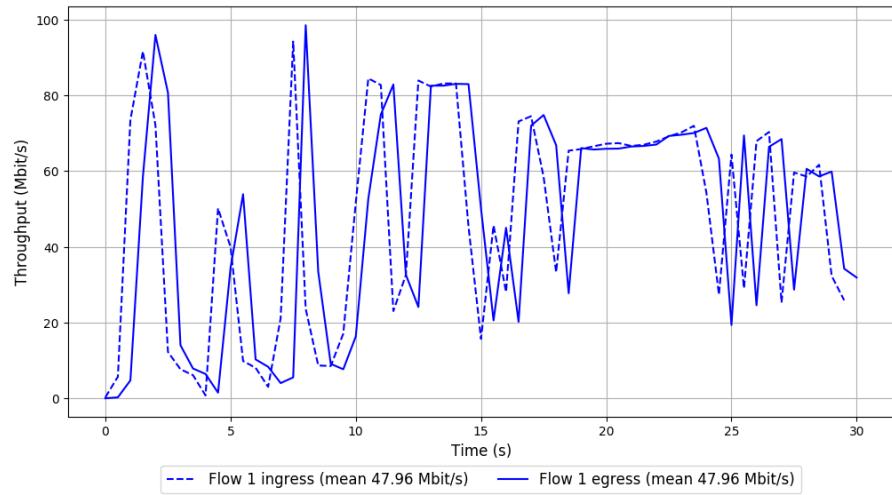


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-24 22:52:44
End at: 2018-05-24 22:53:14
Local clock offset: -0.001 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 66.694 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 66.694 ms
Loss rate: 0.01%
```

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

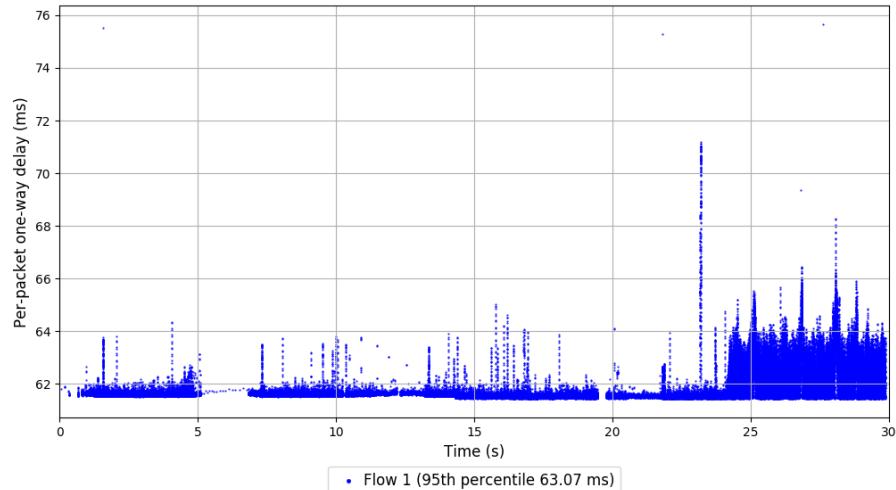
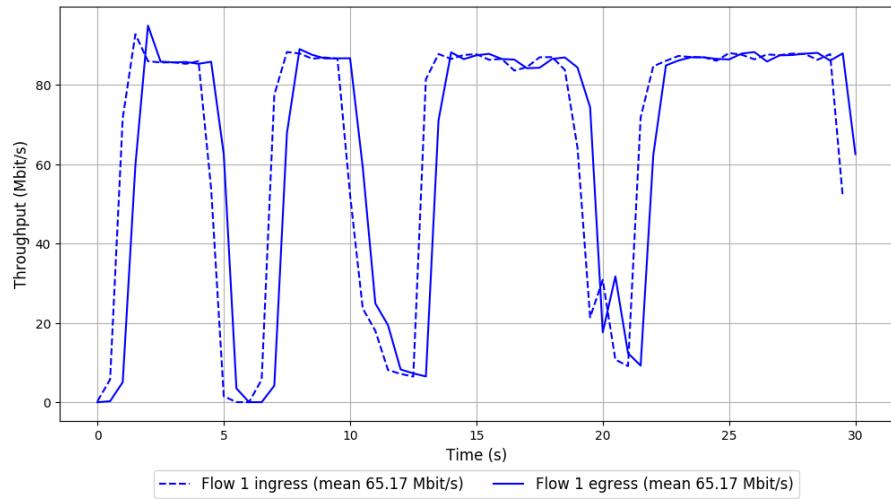


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-24 23:13:05
End at: 2018-05-24 23:13:35
Local clock offset: -0.096 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.17 Mbit/s
95th percentile per-packet one-way delay: 63.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.17 Mbit/s
95th percentile per-packet one-way delay: 63.073 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

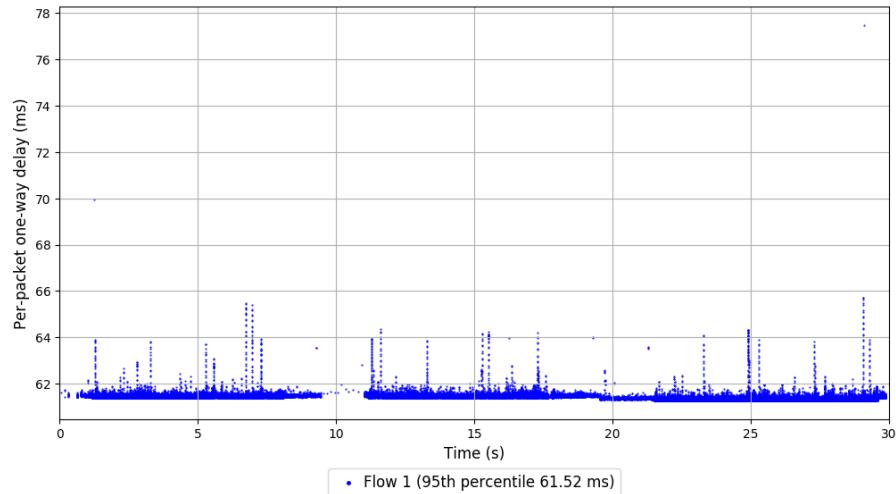
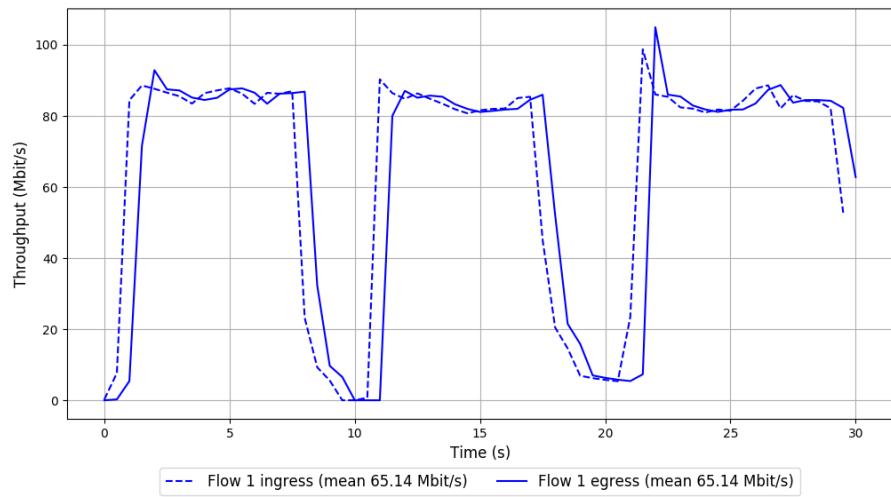


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-24 23:33:20
End at: 2018-05-24 23:33:50
Local clock offset: -0.041 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.14 Mbit/s
95th percentile per-packet one-way delay: 61.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.14 Mbit/s
95th percentile per-packet one-way delay: 61.525 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

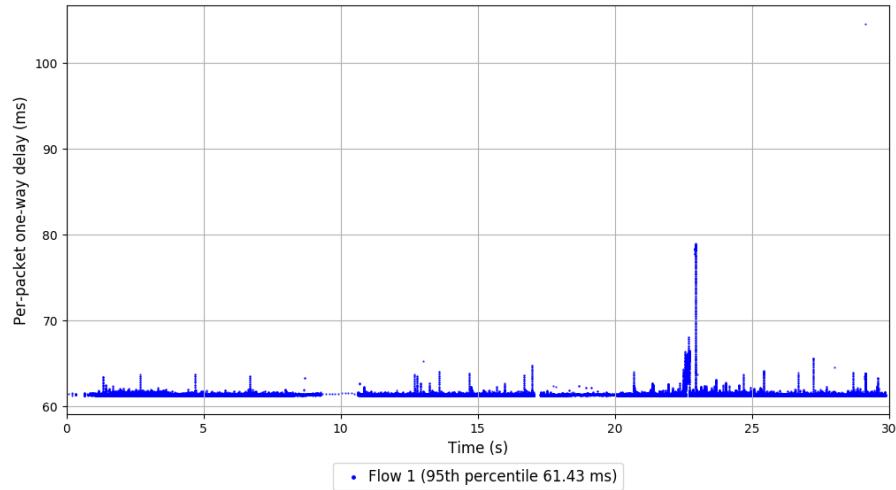
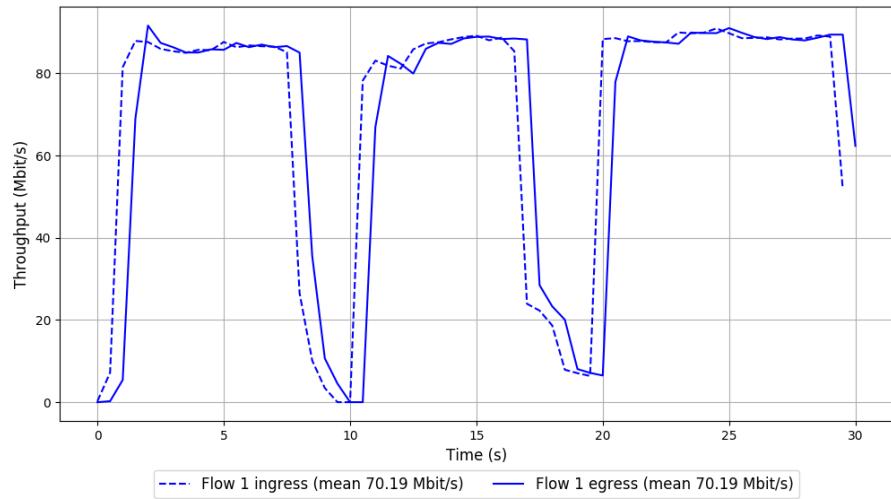


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-24 23:53:28
End at: 2018-05-24 23:53:58
Local clock offset: 0.03 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.19 Mbit/s
95th percentile per-packet one-way delay: 61.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.19 Mbit/s
95th percentile per-packet one-way delay: 61.430 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

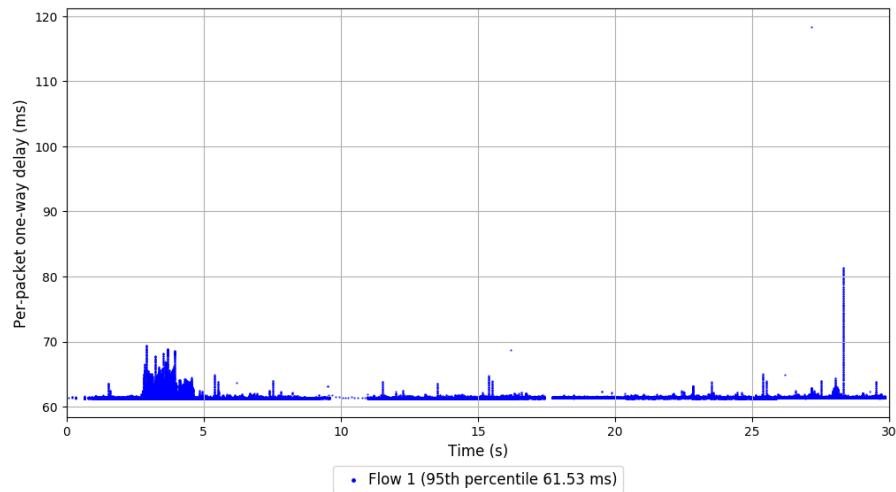
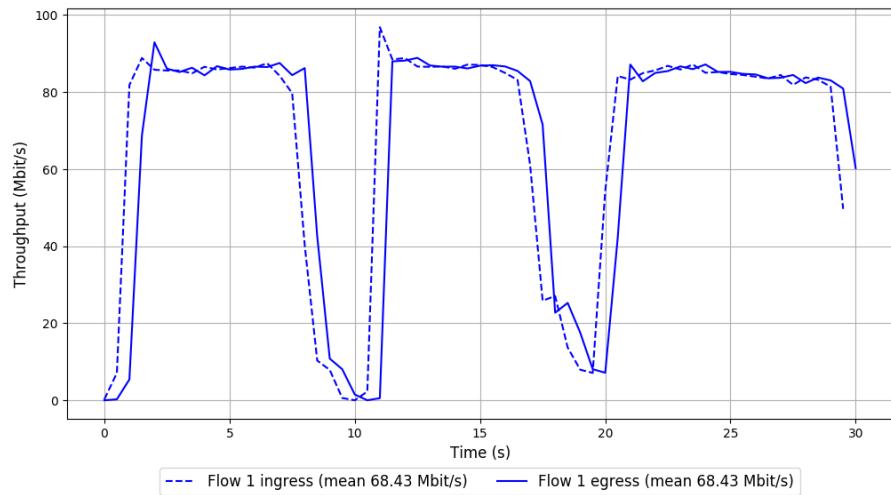


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-25 00:13:33
End at: 2018-05-25 00:14:03
Local clock offset: 0.008 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2018-05-25 02:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 0.00%
```

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

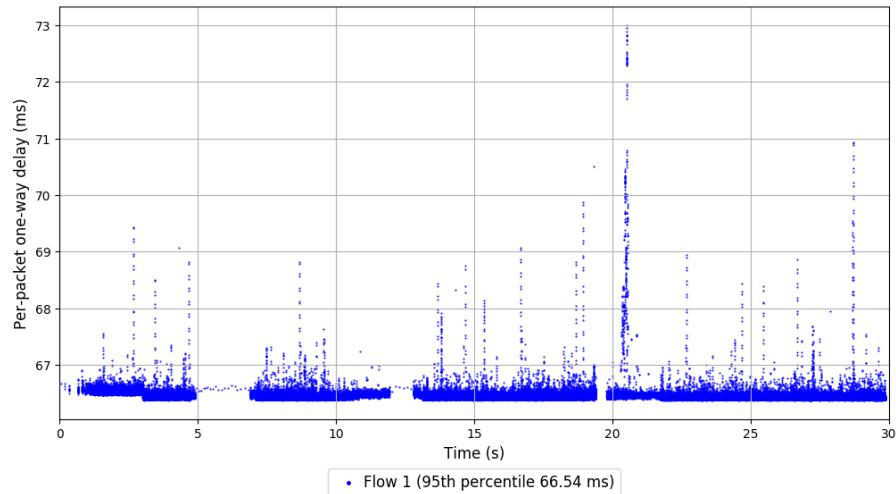
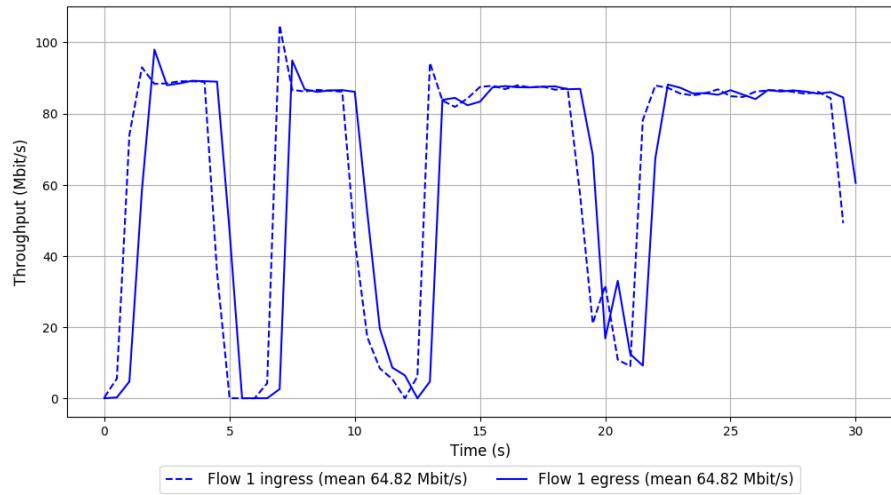


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-25 00:33:16
End at: 2018-05-25 00:33:46
Local clock offset: -0.061 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 66.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 66.544 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

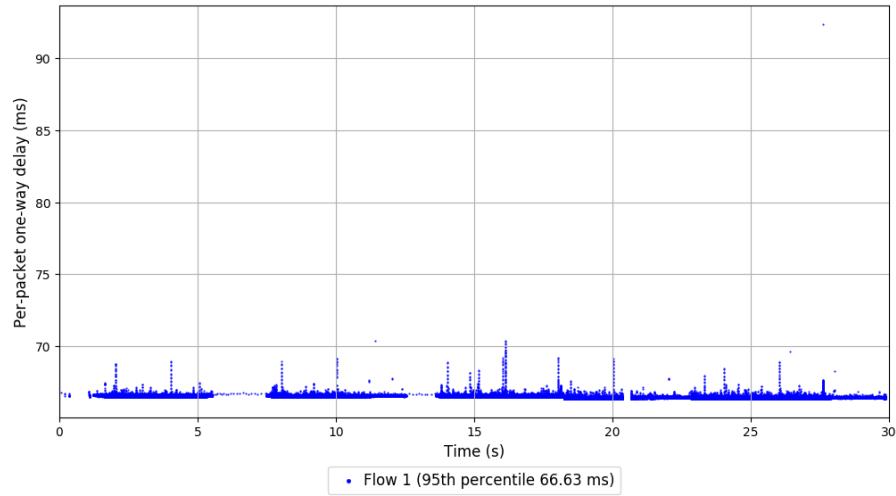
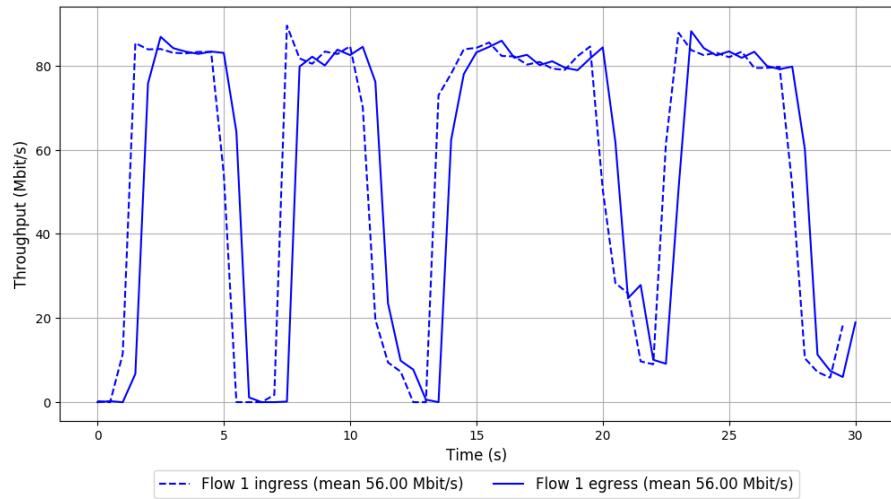


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-25 00:53:11
End at: 2018-05-25 00:53:41
Local clock offset: -0.021 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 66.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 66.627 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

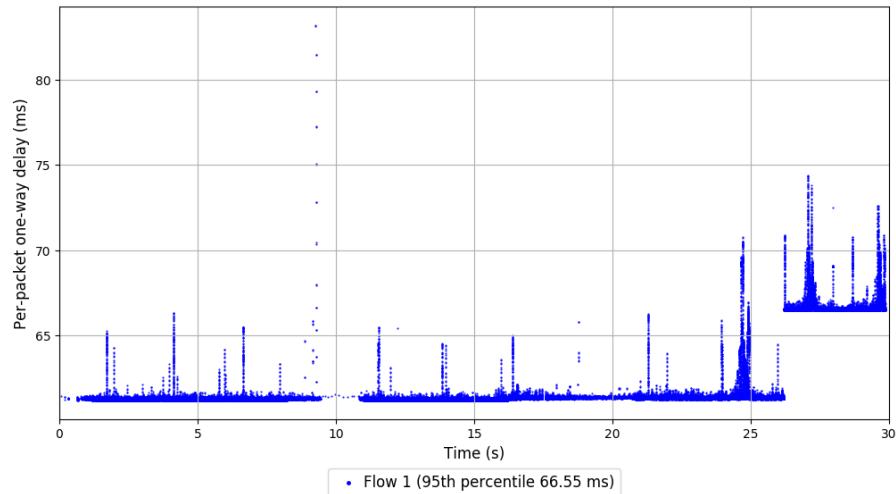
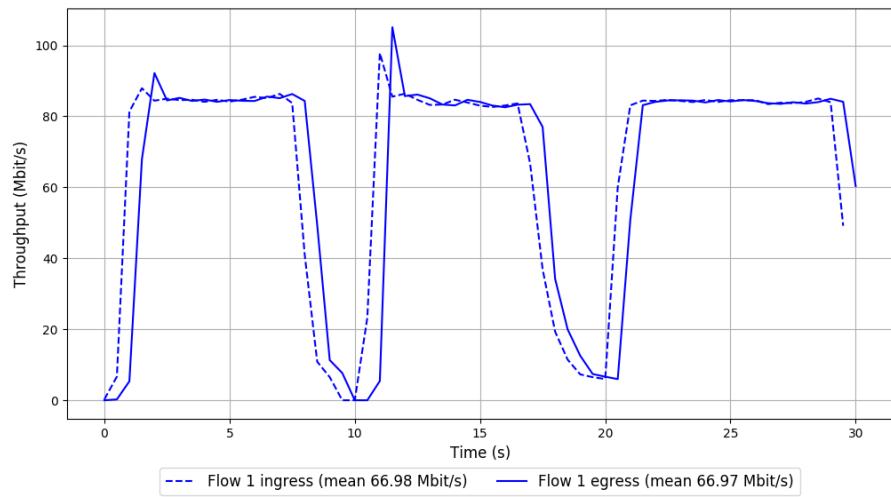


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-25 01:13:13
End at: 2018-05-25 01:13:43
Local clock offset: -0.03 ms
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 66.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 66.553 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

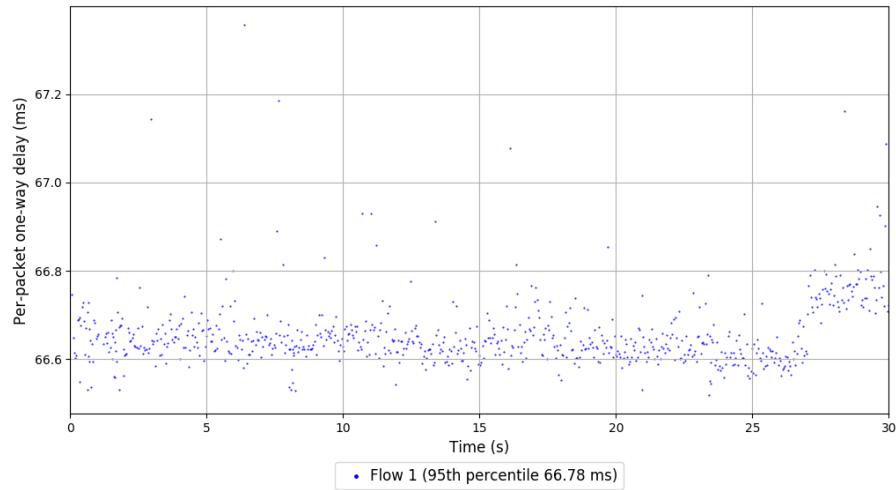
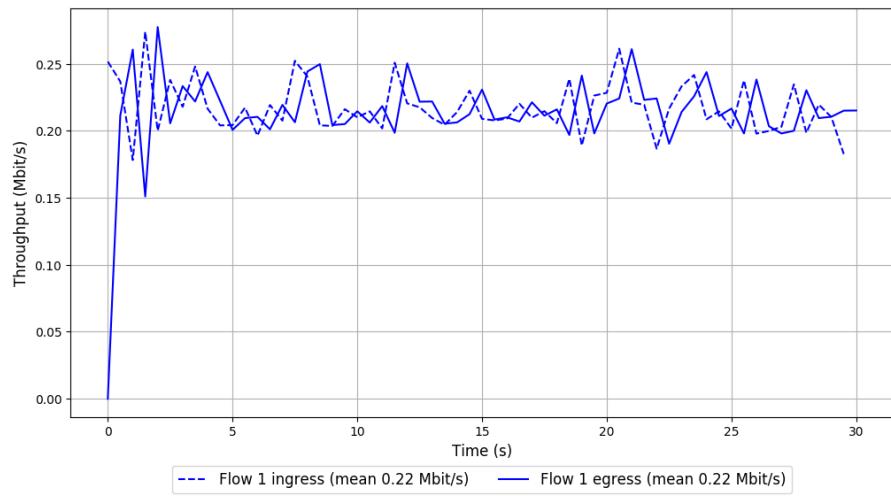


Run 1: Statistics of SCReAM

```
Start at: 2018-05-24 22:10:02
End at: 2018-05-24 22:10:32
Local clock offset: 0.016 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.782 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

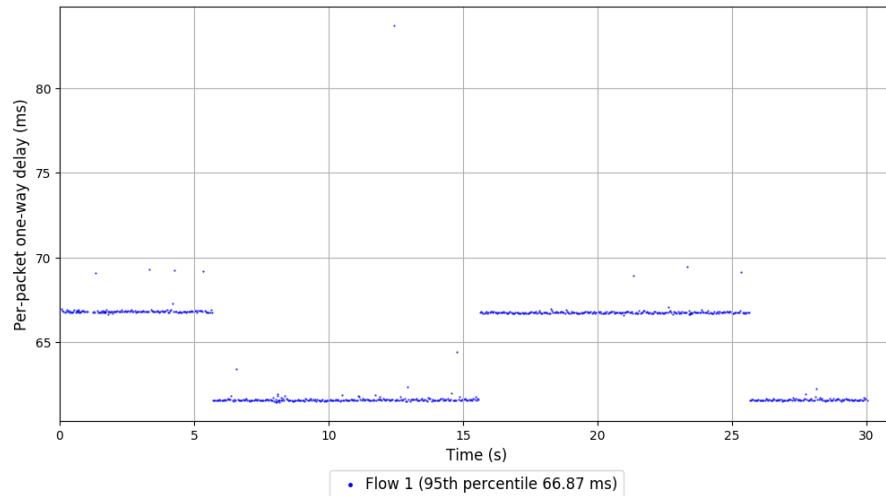
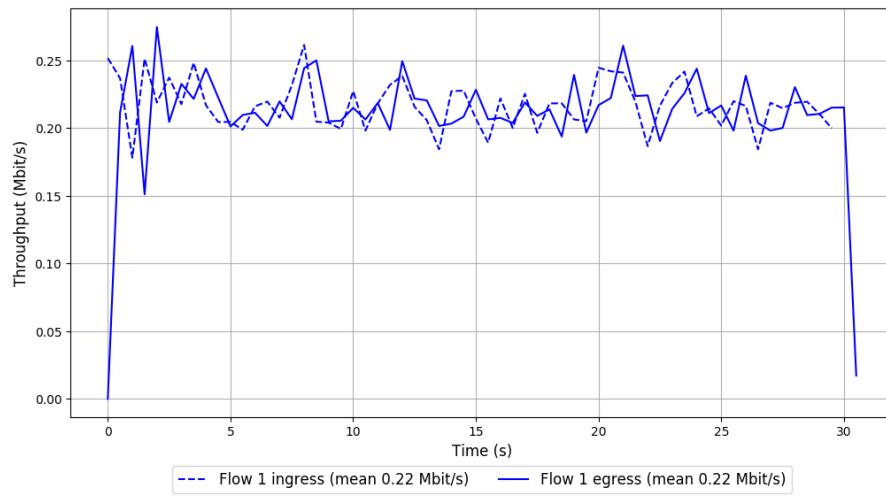


Run 2: Statistics of SCReAM

```
Start at: 2018-05-24 22:30:04
End at: 2018-05-24 22:30:34
Local clock offset: -0.013 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

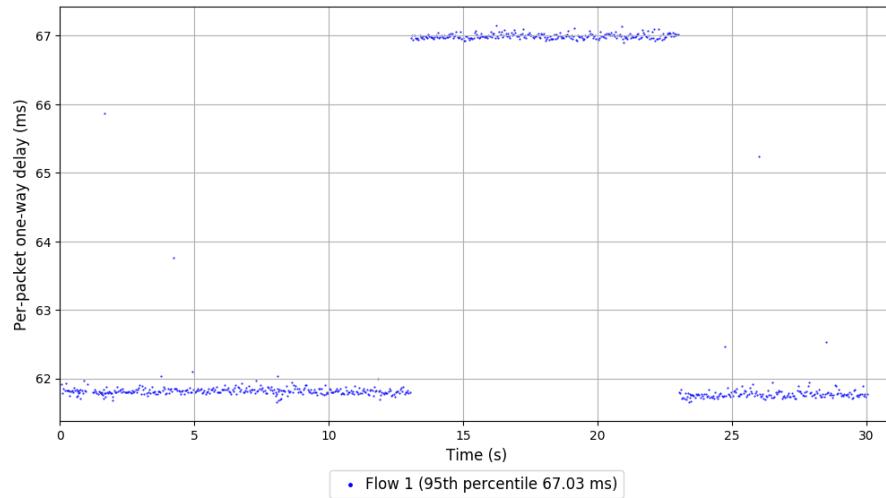
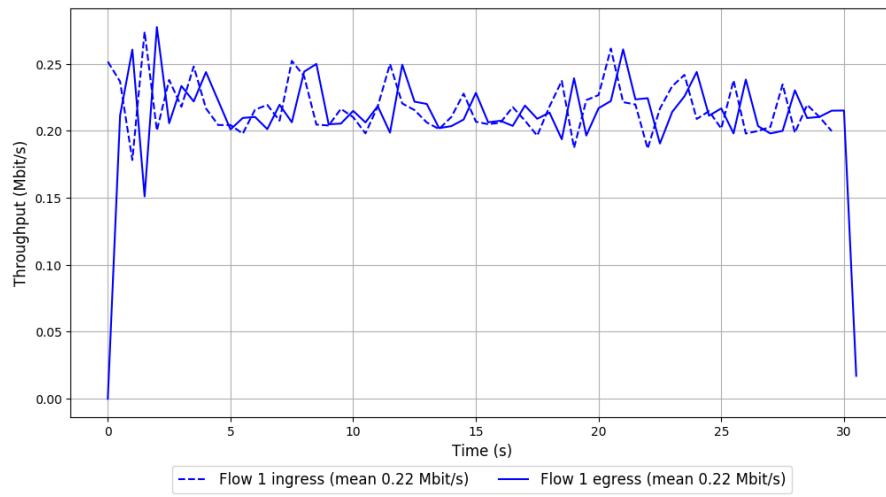


Run 3: Statistics of SCReAM

```
Start at: 2018-05-24 22:50:16
End at: 2018-05-24 22:50:46
Local clock offset: 0.014 ms
Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

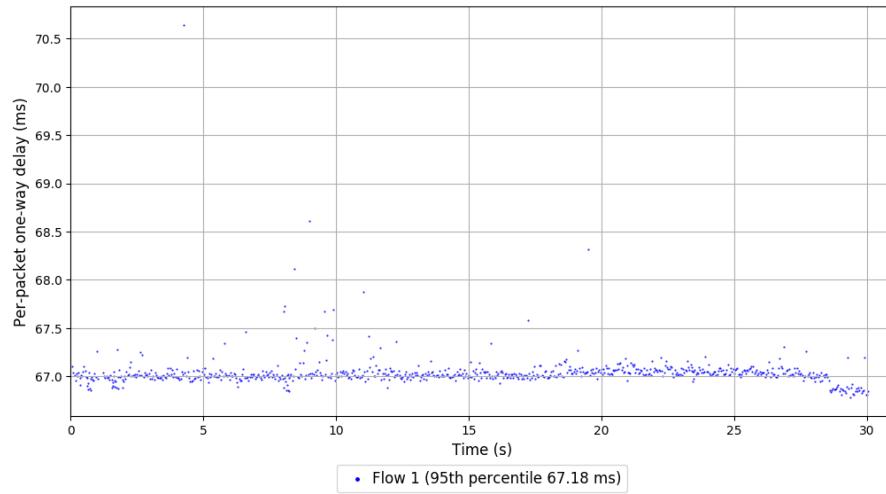
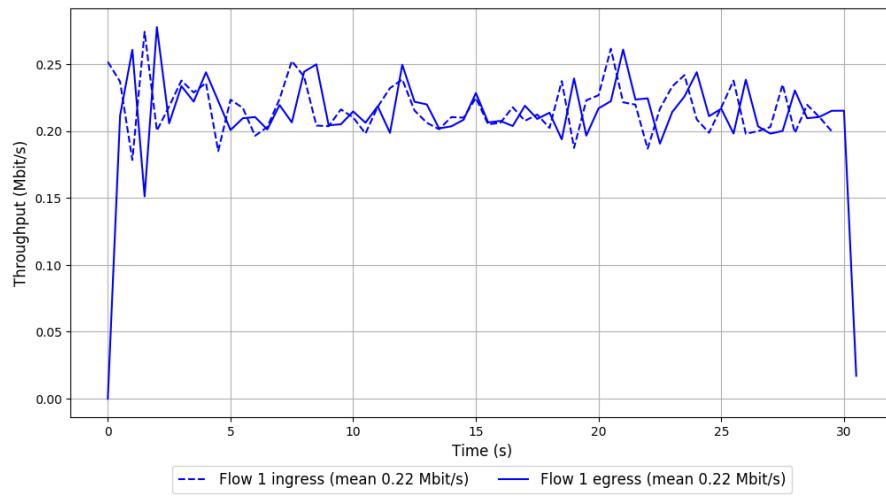


Run 4: Statistics of SCReAM

```
Start at: 2018-05-24 23:10:31
End at: 2018-05-24 23:11:01
Local clock offset: -0.092 ms
Remote clock offset: 0.207 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.183 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

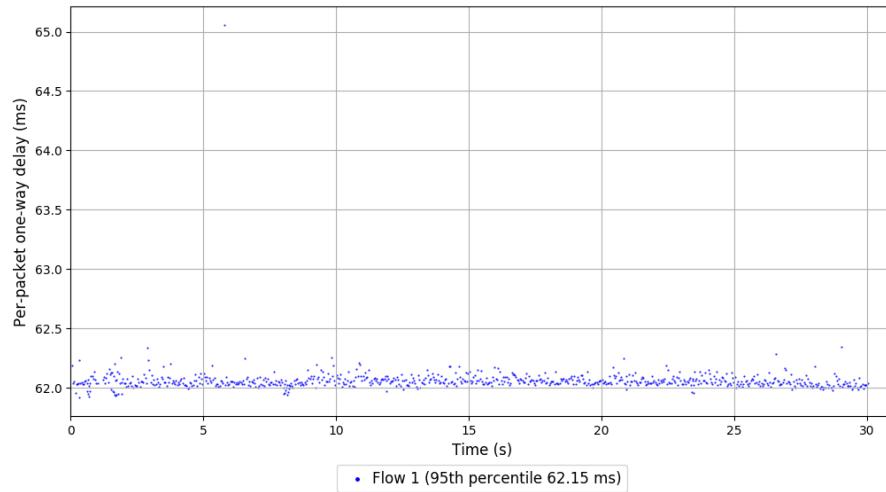
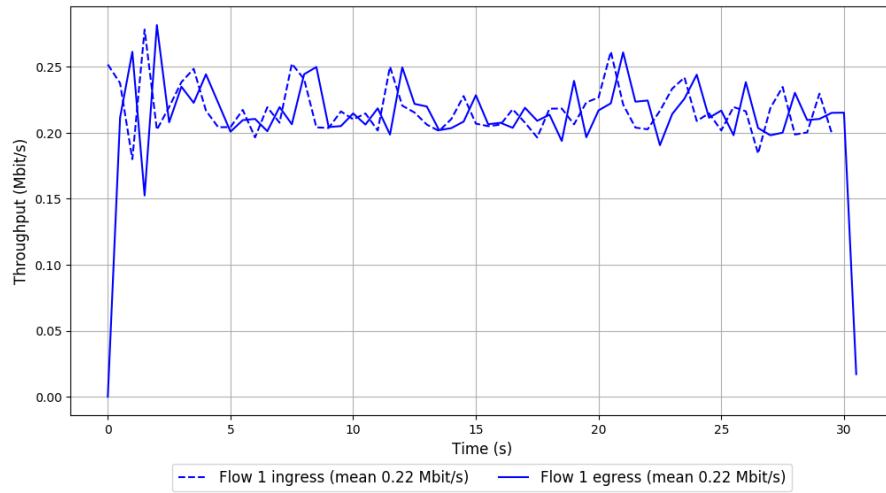


Run 5: Statistics of SCReAM

```
Start at: 2018-05-24 23:30:42
End at: 2018-05-24 23:31:12
Local clock offset: -0.065 ms
Remote clock offset: 0.315 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.146 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

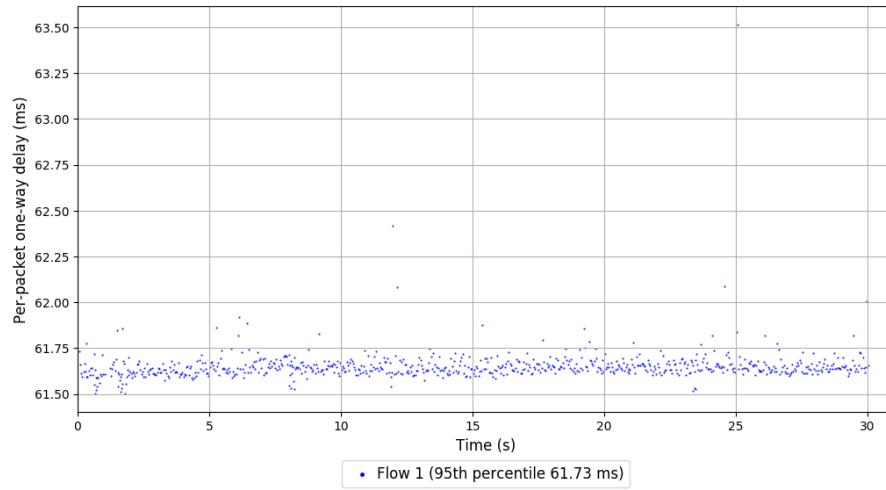
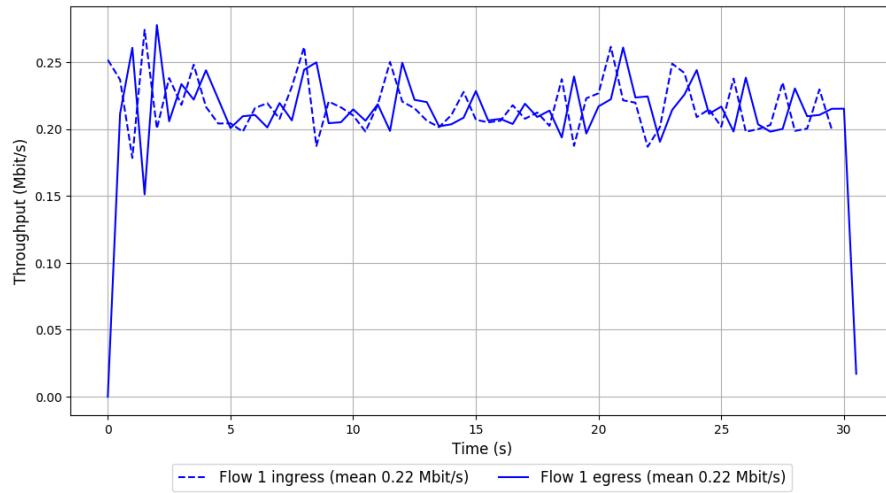


Run 6: Statistics of SCReAM

```
Start at: 2018-05-24 23:50:54
End at: 2018-05-24 23:51:24
Local clock offset: 0.003 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.734 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

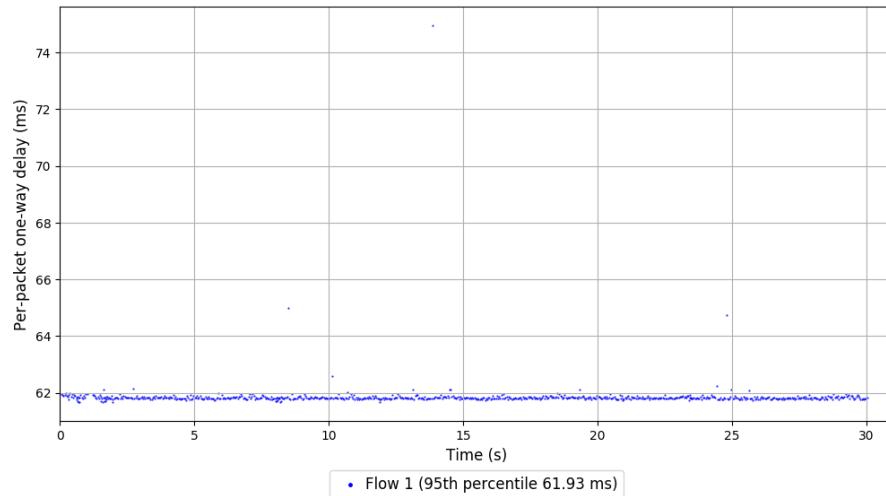
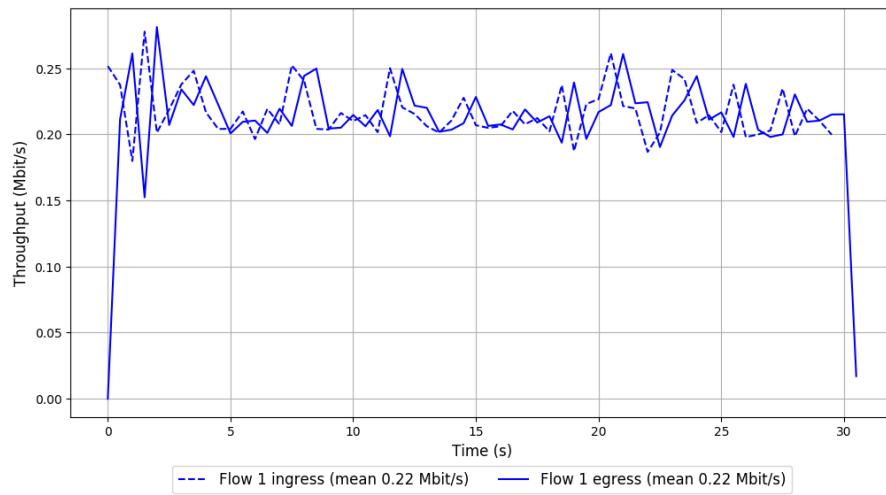


Run 7: Statistics of SCReAM

```
Start at: 2018-05-25 00:11:02
End at: 2018-05-25 00:11:32
Local clock offset: 0.019 ms
Remote clock offset: 0.127 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.933 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

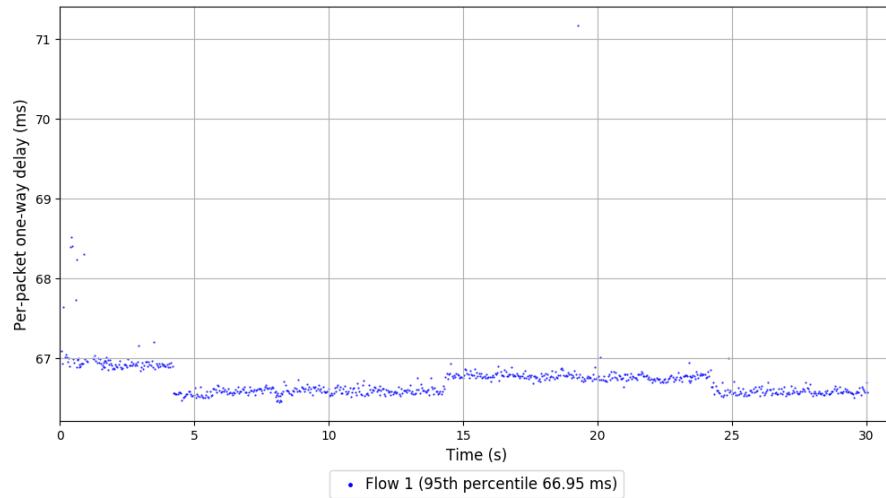
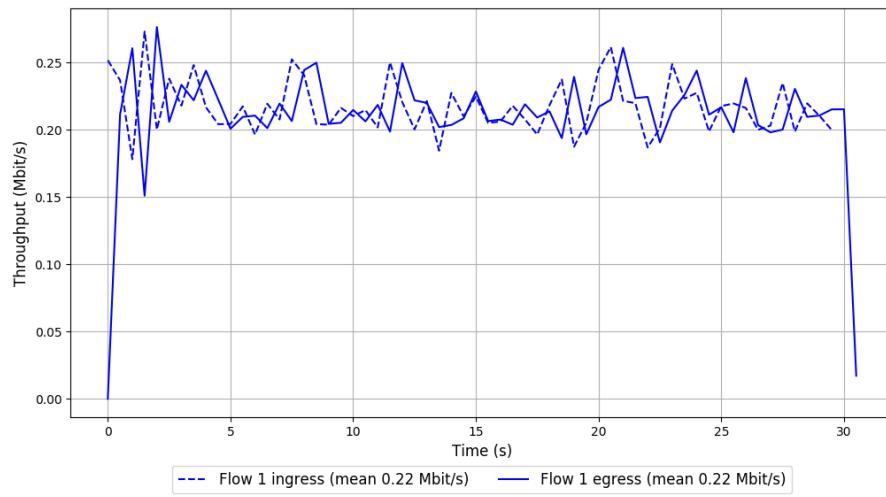


Run 8: Statistics of SCReAM

```
Start at: 2018-05-25 00:30:55
End at: 2018-05-25 00:31:25
Local clock offset: -0.042 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.954 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

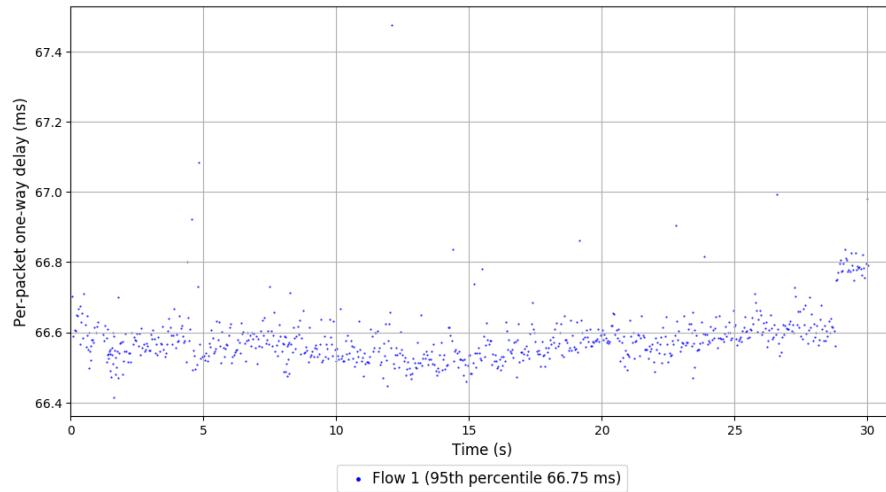
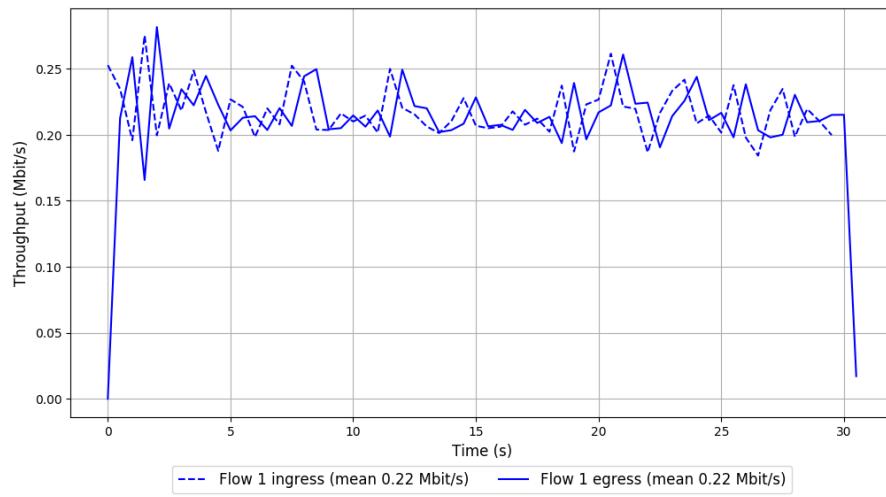


Run 9: Statistics of SCReAM

```
Start at: 2018-05-25 00:50:31
End at: 2018-05-25 00:51:01
Local clock offset: -0.047 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.748 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

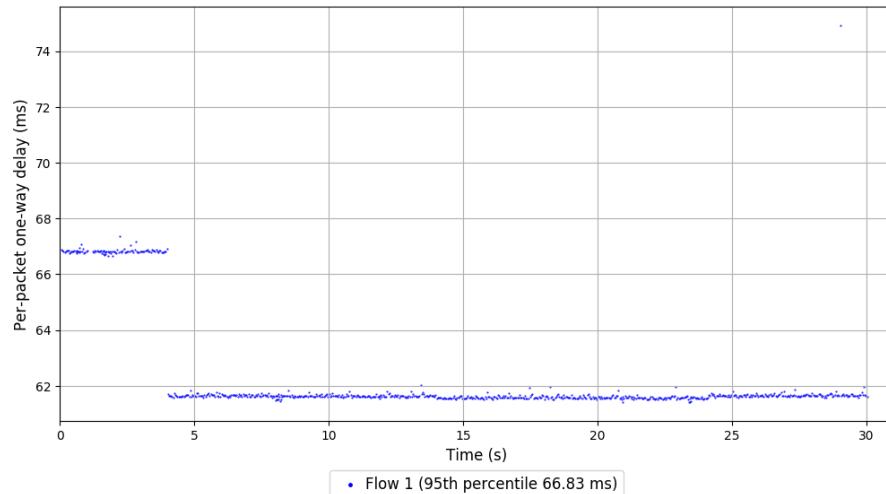
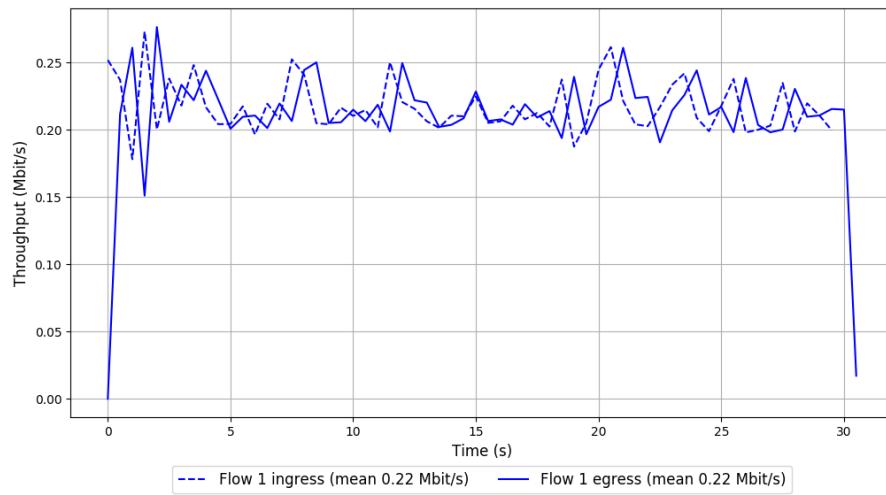


Run 10: Statistics of SCReAM

```
Start at: 2018-05-25 01:10:45
End at: 2018-05-25 01:11:16
Local clock offset: -0.047 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

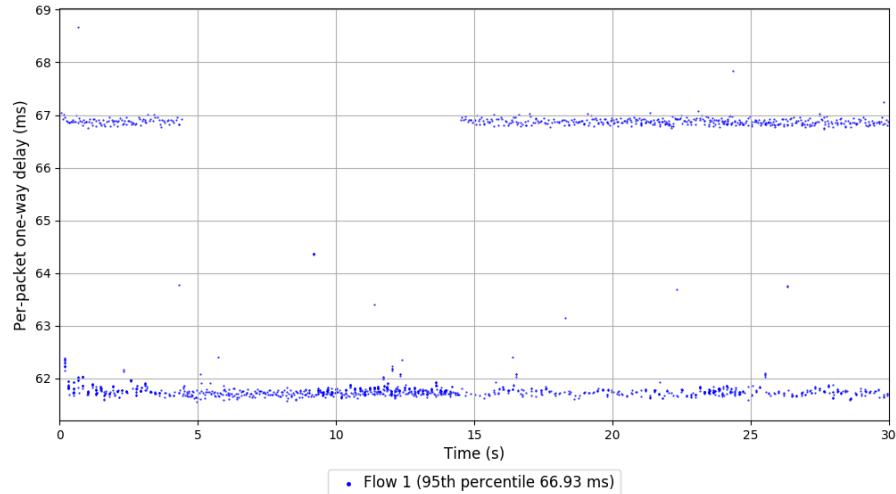
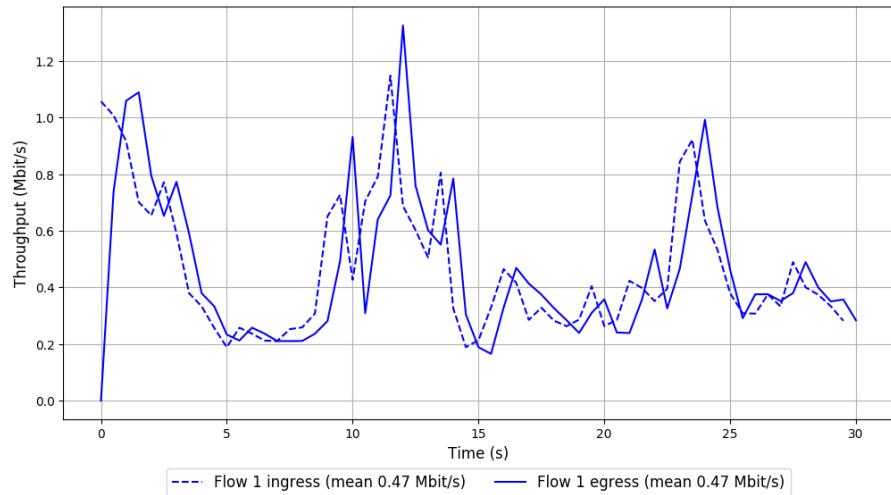


Run 1: Statistics of Sprout

```
Start at: 2018-05-24 21:59:05
End at: 2018-05-24 21:59:35
Local clock offset: -0.054 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.929 ms
Loss rate: 0.00%
```

## Run 1: Report of Sprout — Data Link

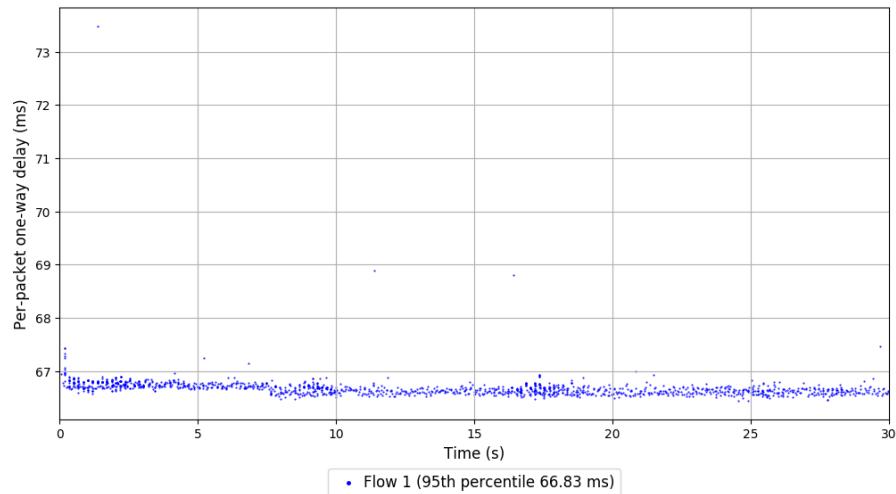
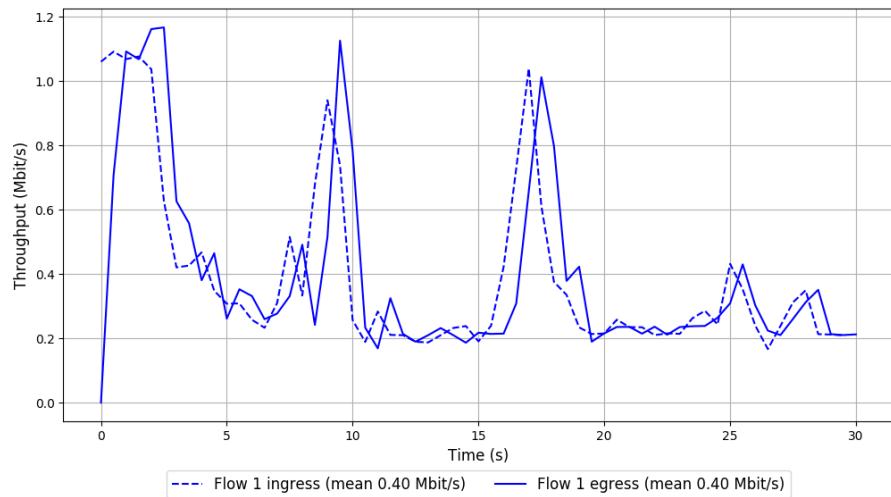


Run 2: Statistics of Sprout

```
Start at: 2018-05-24 22:19:22
End at: 2018-05-24 22:19:52
Local clock offset: 0.015 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

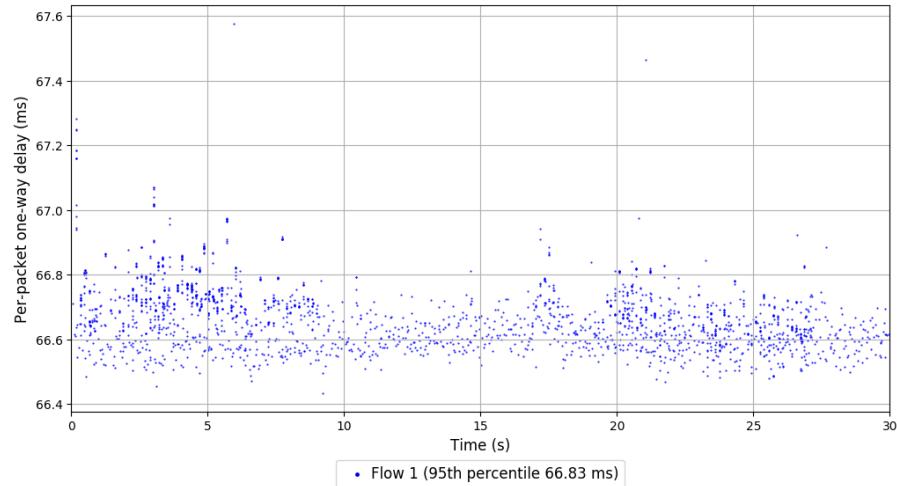
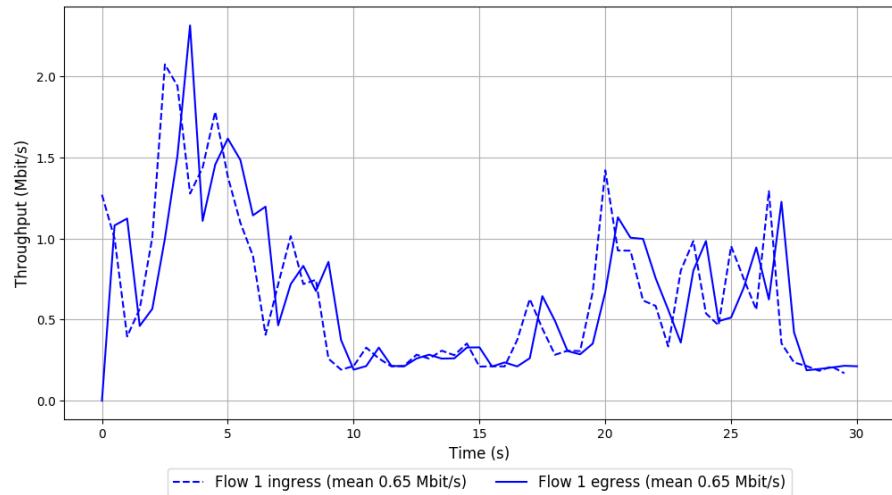


Run 3: Statistics of Sprout

```
Start at: 2018-05-24 22:39:28
End at: 2018-05-24 22:39:58
Local clock offset: 0.025 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

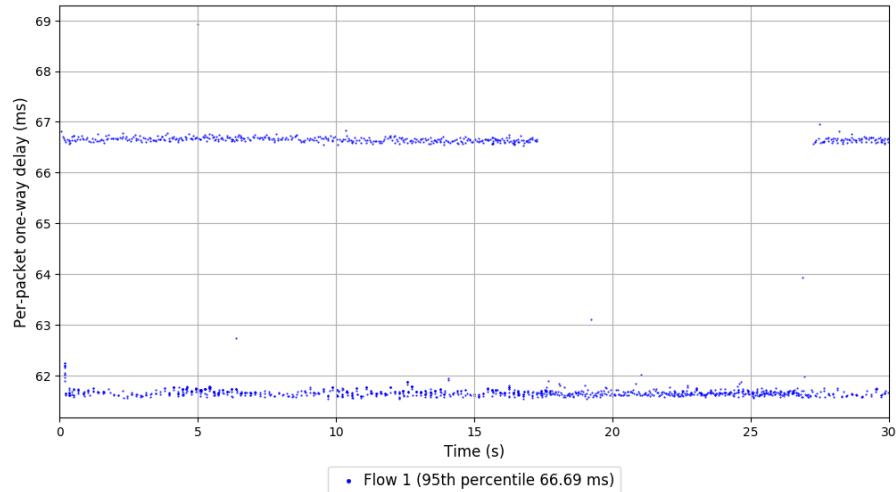
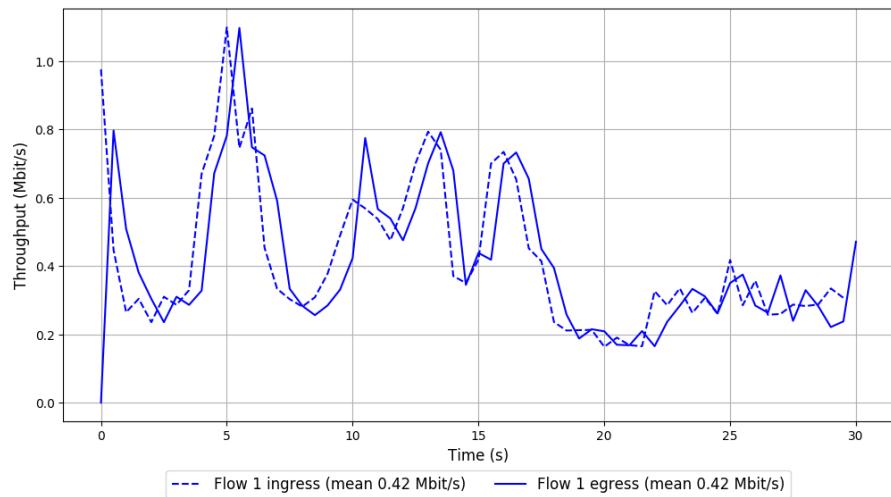


Run 4: Statistics of Sprout

```
Start at: 2018-05-24 22:59:32
End at: 2018-05-24 23:00:02
Local clock offset: -0.023 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 66.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 66.695 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

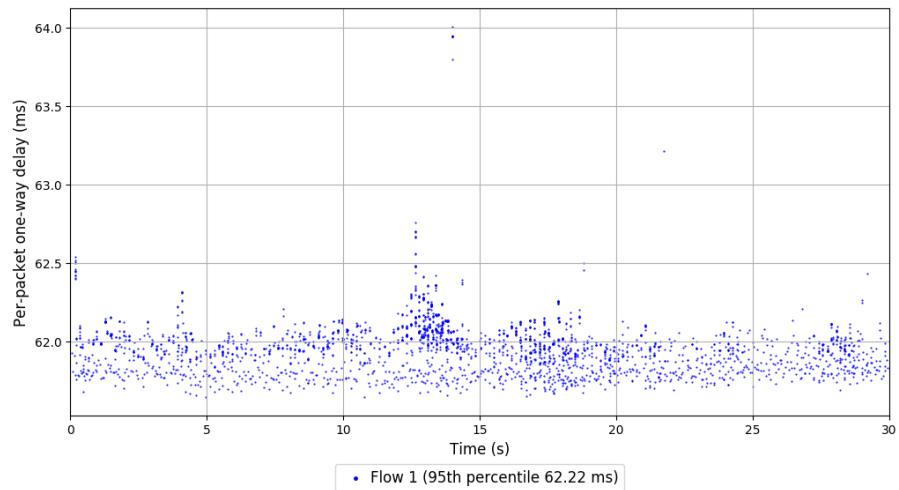
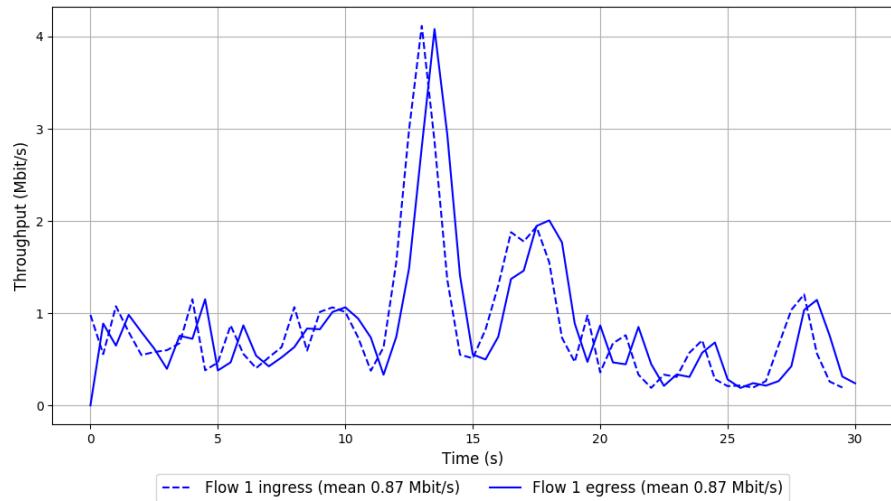


Run 5: Statistics of Sprout

```
Start at: 2018-05-24 23:19:55
End at: 2018-05-24 23:20:25
Local clock offset: -0.072 ms
Remote clock offset: 0.187 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 62.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 62.224 ms
Loss rate: 0.00%
```

## Run 5: Report of Sprout — Data Link

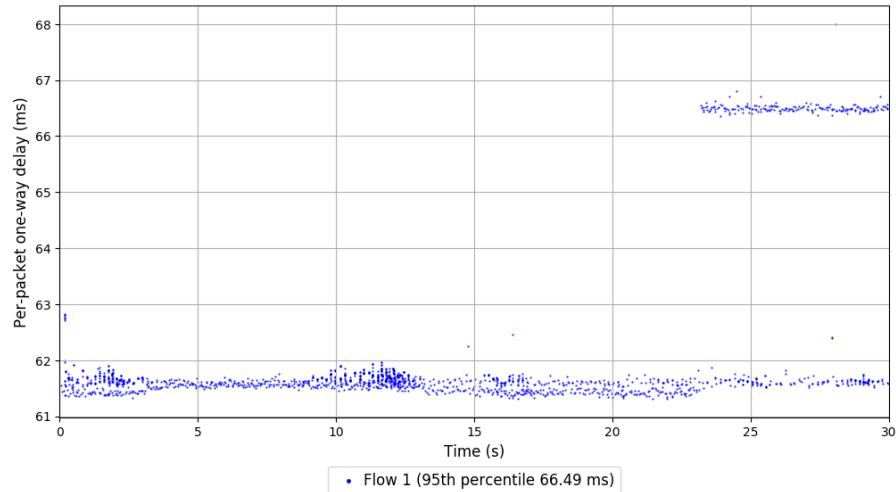
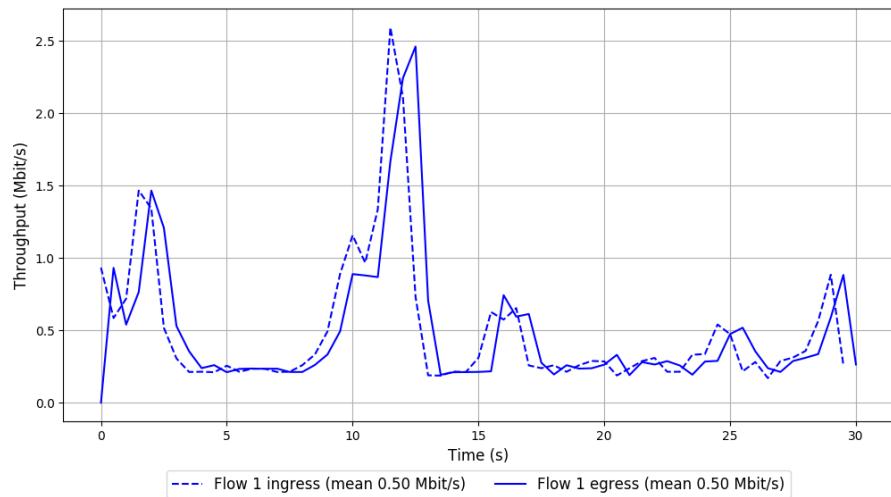


Run 6: Statistics of Sprout

```
Start at: 2018-05-24 23:40:06
End at: 2018-05-24 23:40:36
Local clock offset: 0.011 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.490 ms
Loss rate: 0.00%
```

## Run 6: Report of Sprout — Data Link

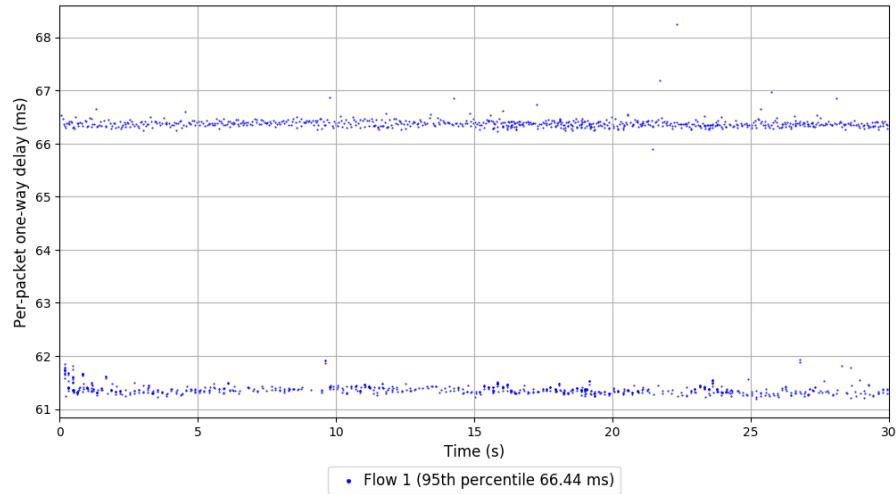
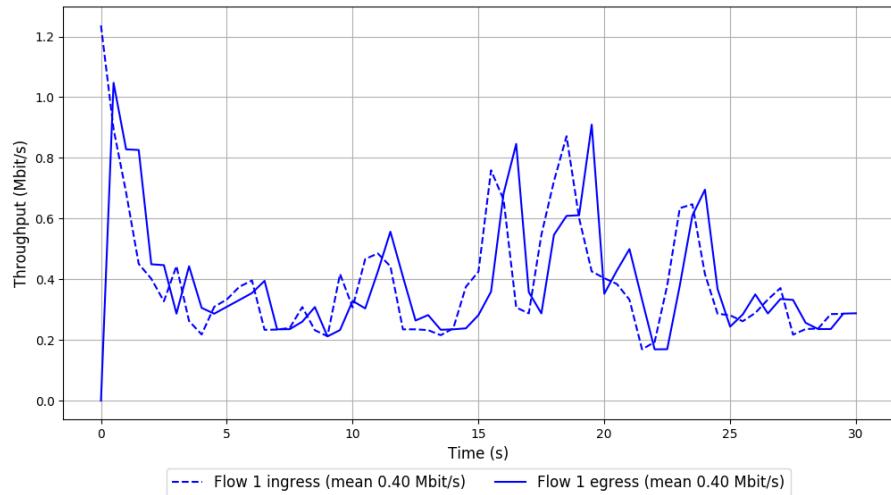


Run 7: Statistics of Sprout

```
Start at: 2018-05-25 00:00:15
End at: 2018-05-25 00:00:45
Local clock offset: 0.074 ms
Remote clock offset: -0.325 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.442 ms
Loss rate: 0.00%
```

## Run 7: Report of Sprout — Data Link

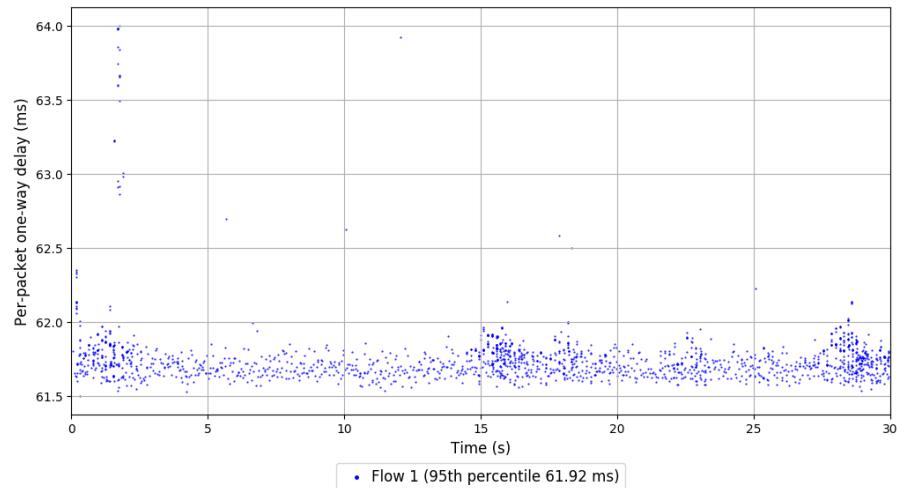
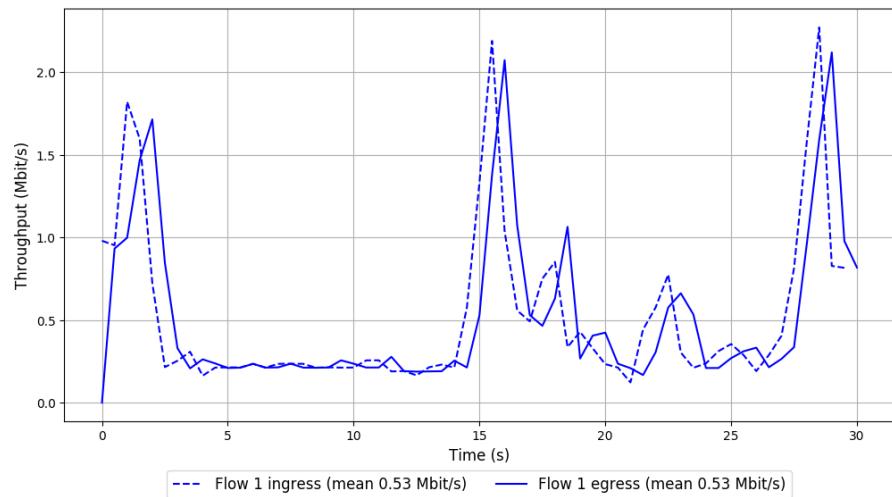


Run 8: Statistics of Sprout

```
Start at: 2018-05-25 00:20:21
End at: 2018-05-25 00:20:51
Local clock offset: -0.006 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.922 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

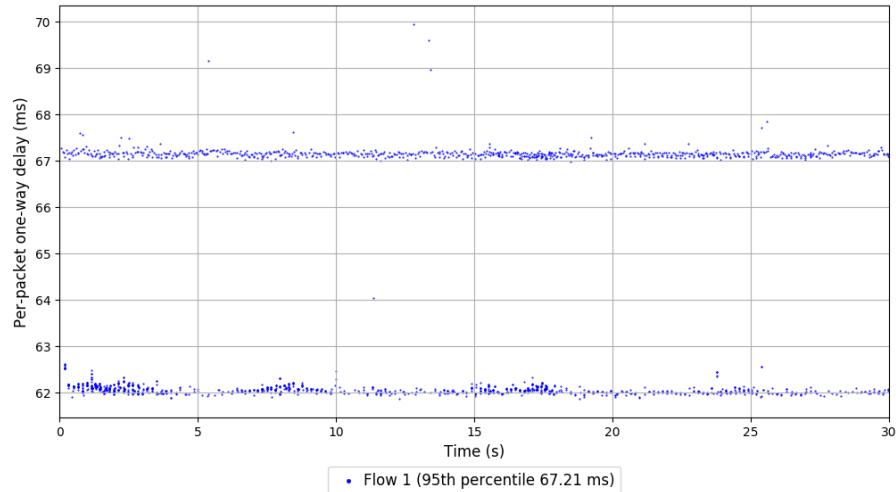
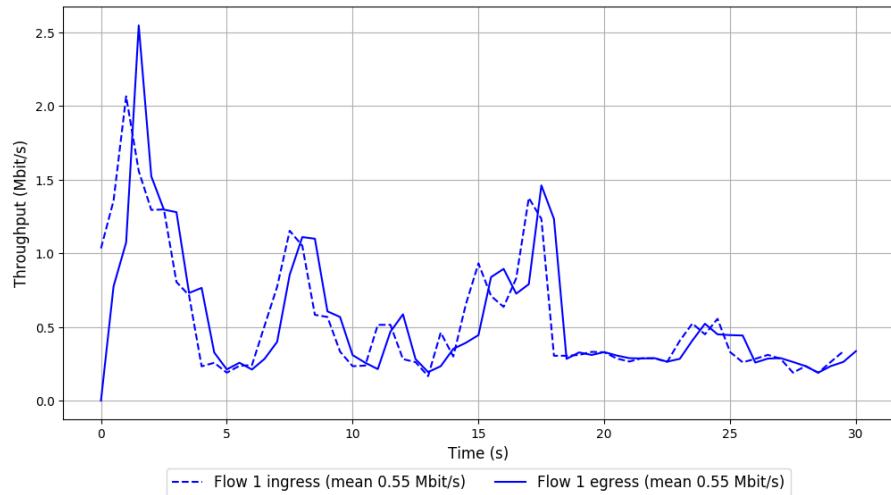


Run 9: Statistics of Sprout

```
Start at: 2018-05-25 00:39:56
End at: 2018-05-25 00:40:26
Local clock offset: -0.037 ms
Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 67.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 67.209 ms
Loss rate: 0.00%
```

## Run 9: Report of Sprout — Data Link

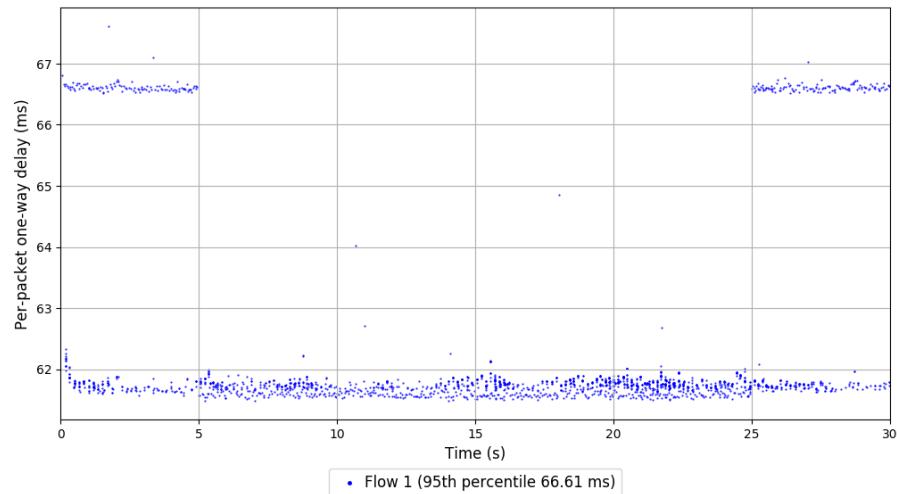
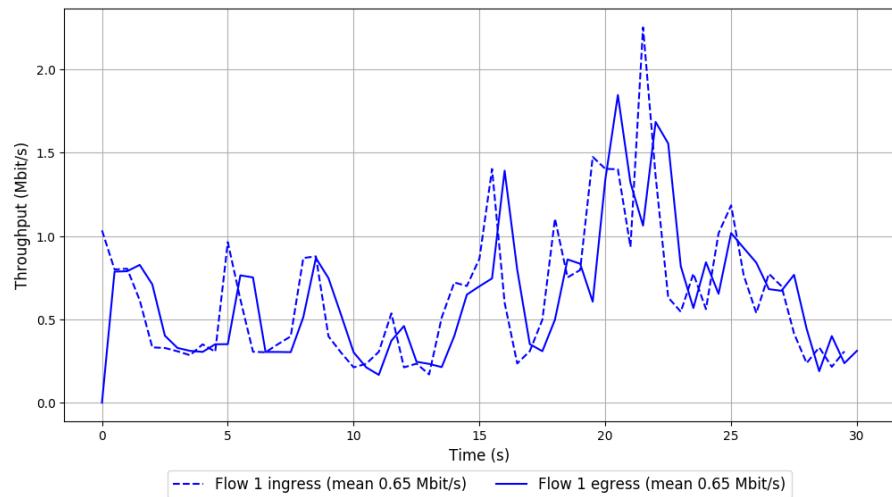


Run 10: Statistics of Sprout

```
Start at: 2018-05-25 01:00:04
End at: 2018-05-25 01:00:34
Local clock offset: -0.036 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 66.607 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

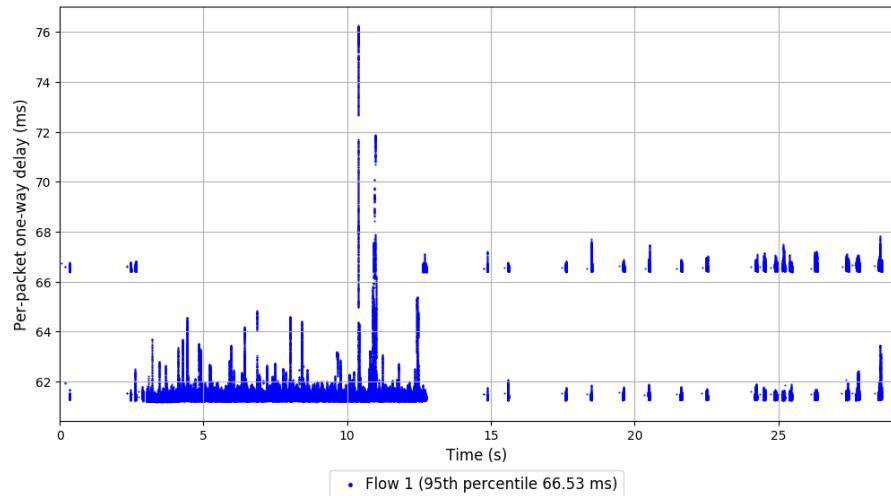
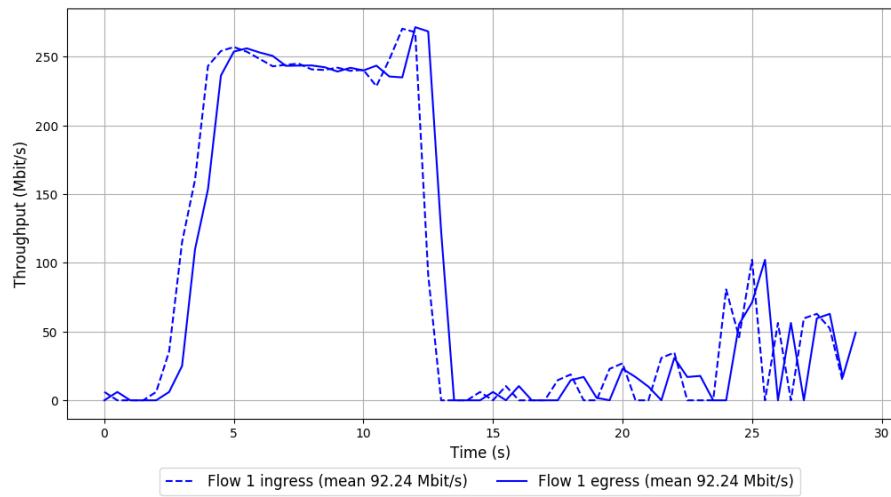


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-24 22:07:37
End at: 2018-05-24 22:08:07
Local clock offset: 0.004 ms
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2018-05-25 02:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 66.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 66.533 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

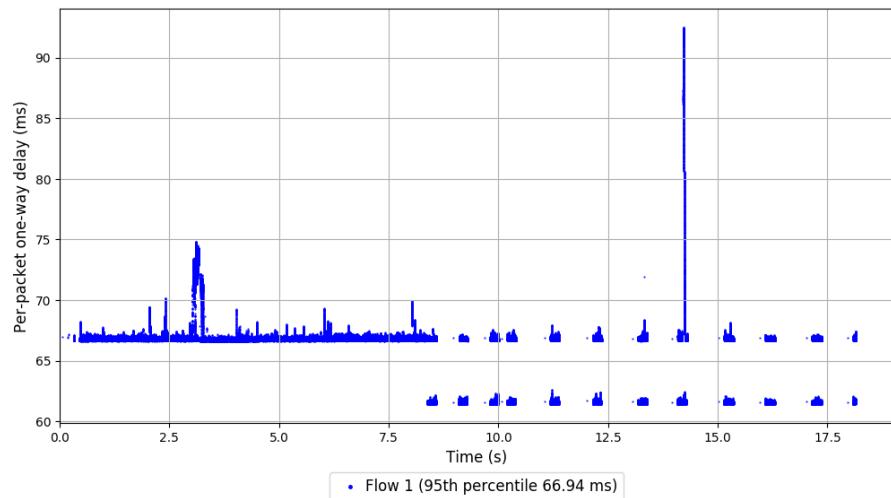
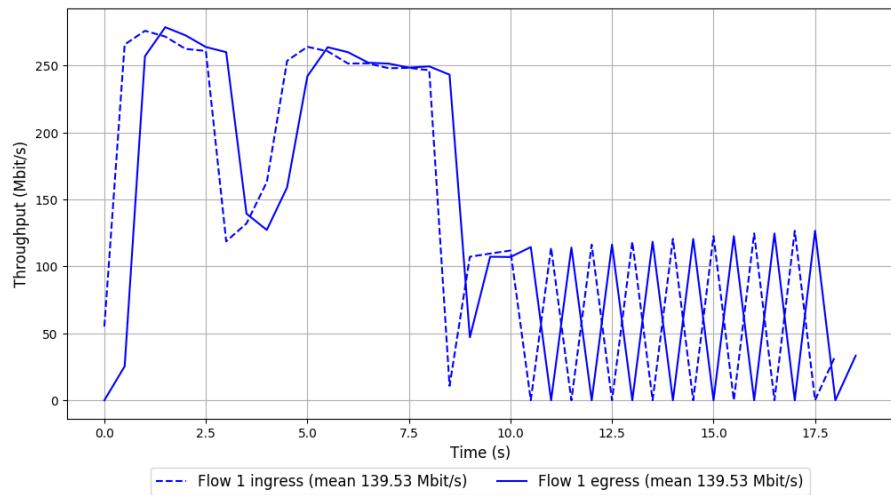
Start at: 2018-05-24 22:27:41

End at: 2018-05-24 22:28:11

Local clock offset: 0.029 ms

Remote clock offset: 0.095 ms

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

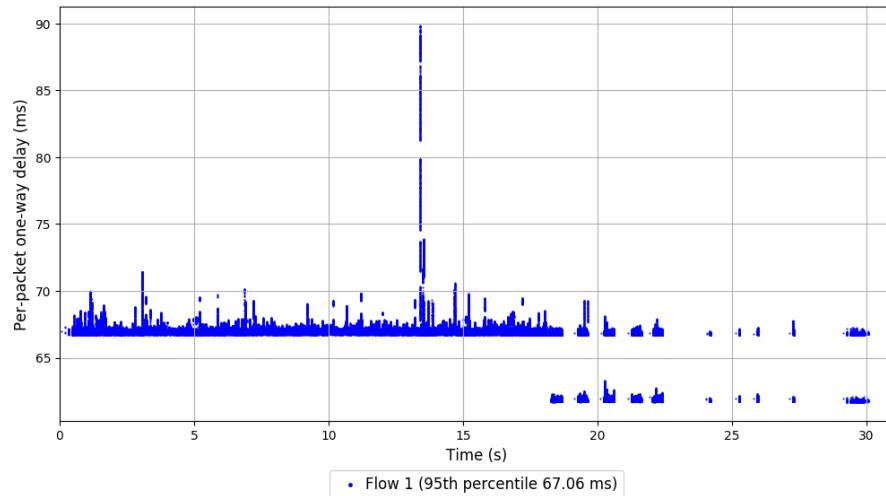
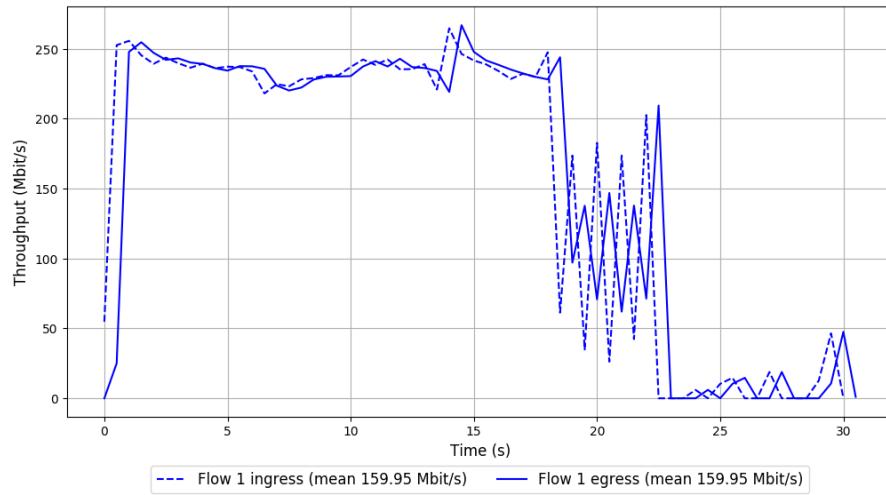


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-24 22:47:42
End at: 2018-05-24 22:48:12
Local clock offset: -0.034 ms
Remote clock offset: 0.173 ms

# Below is generated by plot.py at 2018-05-25 02:33:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.95 Mbit/s
95th percentile per-packet one-way delay: 67.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.95 Mbit/s
95th percentile per-packet one-way delay: 67.059 ms
Loss rate: 0.00%
```

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

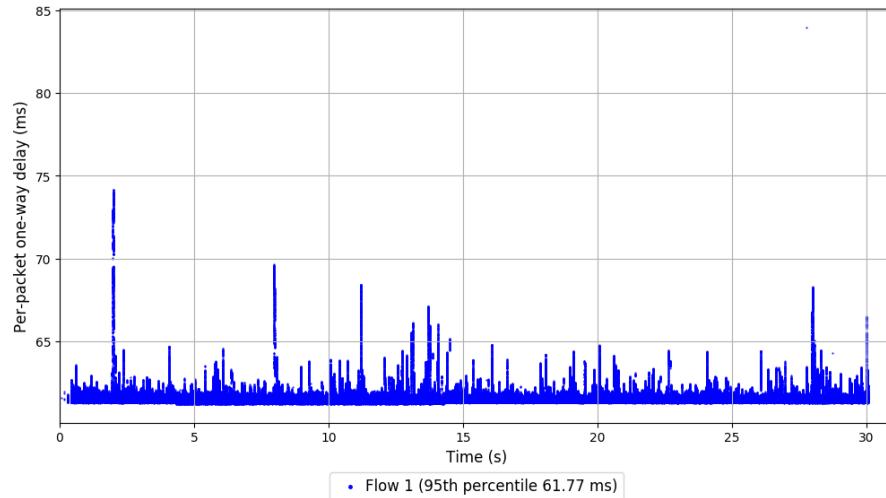
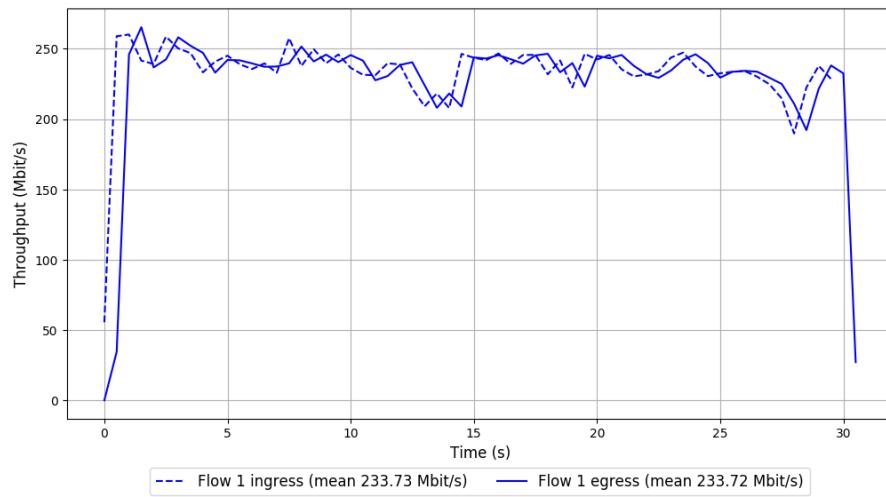


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-24 23:07:55
End at: 2018-05-24 23:08:25
Local clock offset: -0.065 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.72 Mbit/s
95th percentile per-packet one-way delay: 61.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.72 Mbit/s
95th percentile per-packet one-way delay: 61.768 ms
Loss rate: 0.00%
```

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

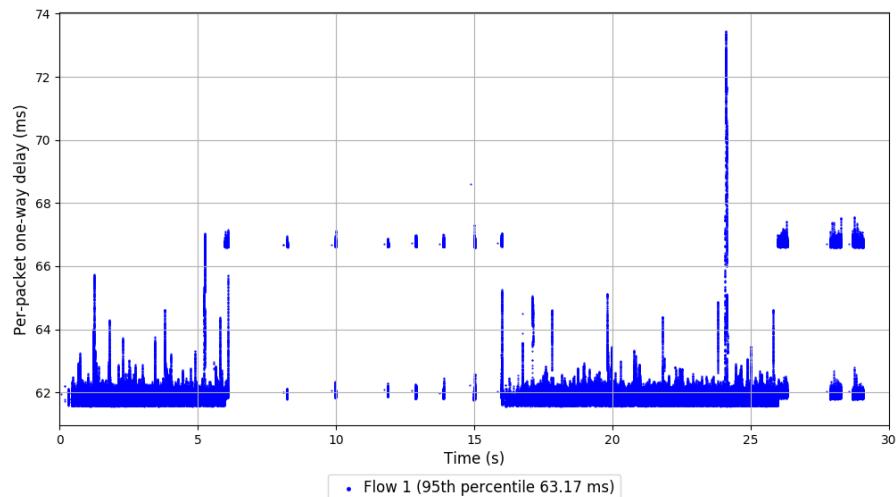
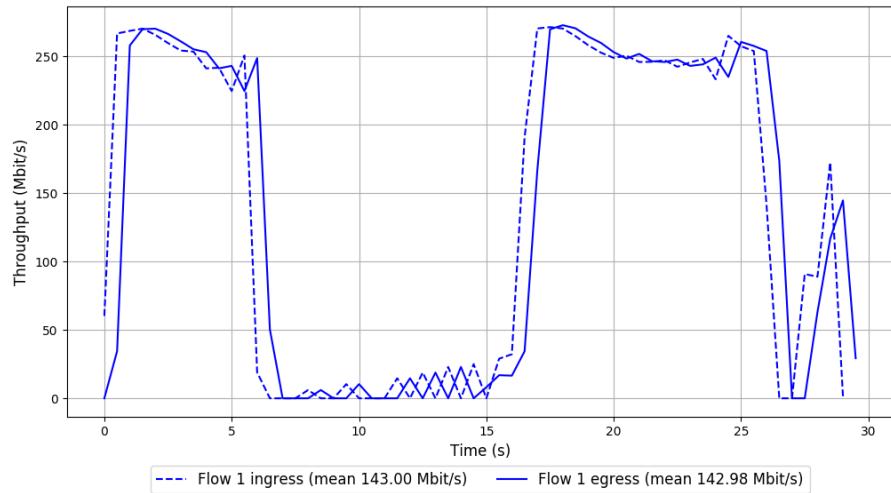


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-24 23:28:13
End at: 2018-05-24 23:28:43
Local clock offset: -0.106 ms
Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 142.98 Mbit/s
95th percentile per-packet one-way delay: 63.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.98 Mbit/s
95th percentile per-packet one-way delay: 63.173 ms
Loss rate: 0.00%
```

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

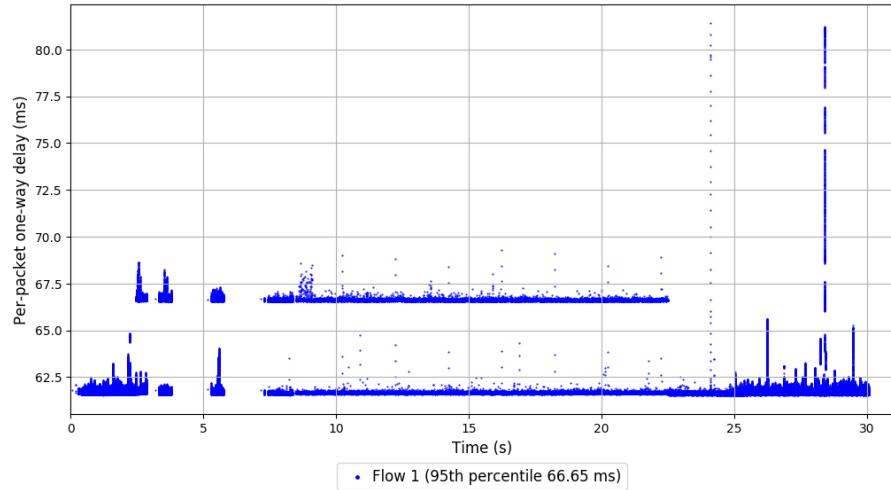
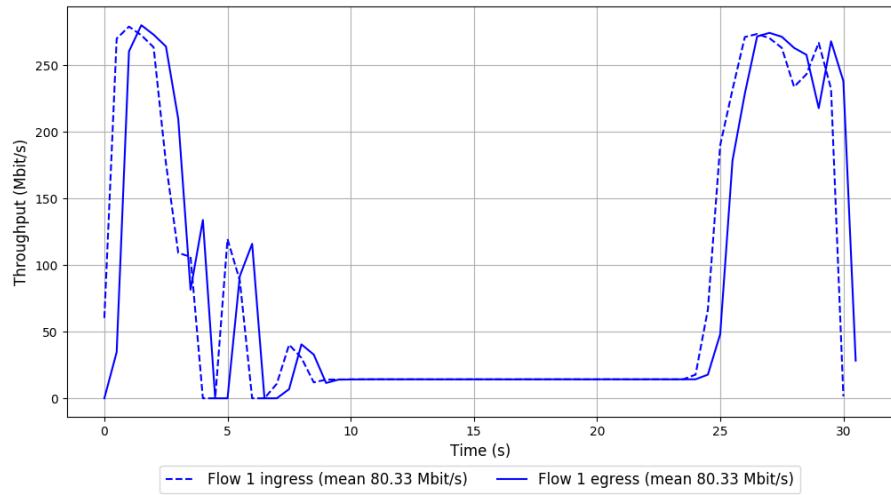


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-24 23:48:27
End at: 2018-05-24 23:48:57
Local clock offset: 0.064 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.33 Mbit/s
95th percentile per-packet one-way delay: 66.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.33 Mbit/s
95th percentile per-packet one-way delay: 66.649 ms
Loss rate: 0.00%
```

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

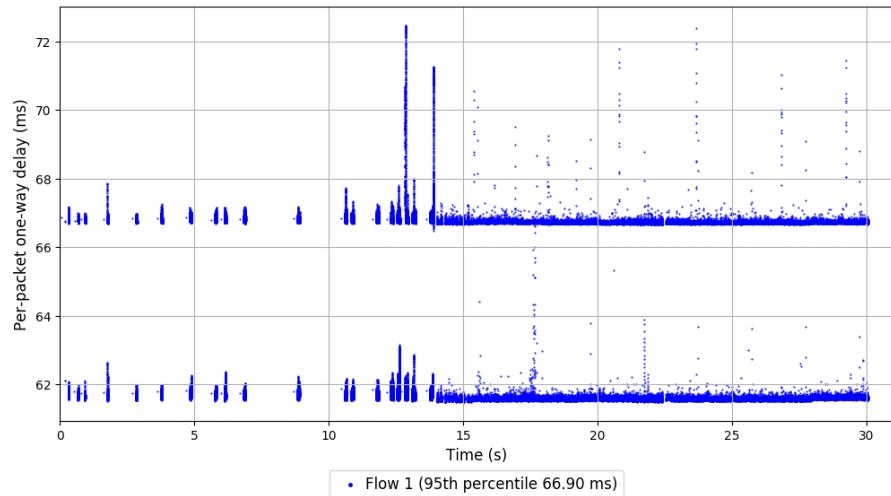
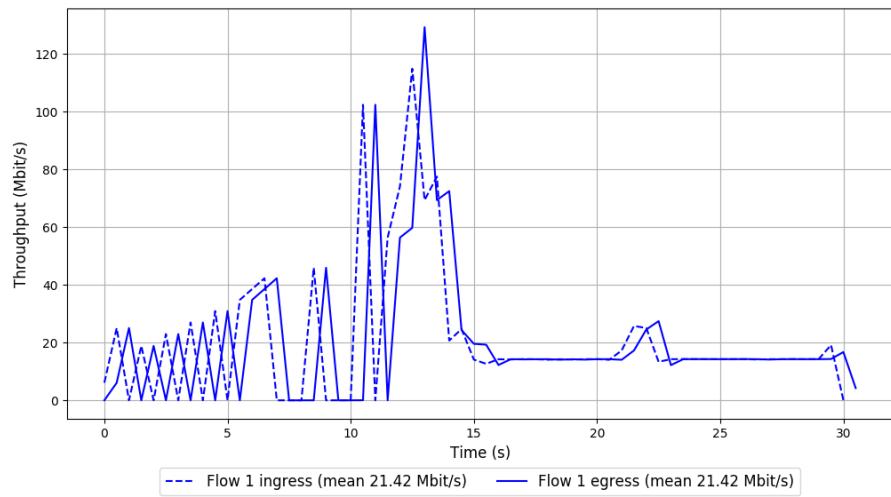


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-25 00:08:41
End at: 2018-05-25 00:09:11
Local clock offset: 0.014 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 66.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 66.900 ms
Loss rate: 0.00%
```

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

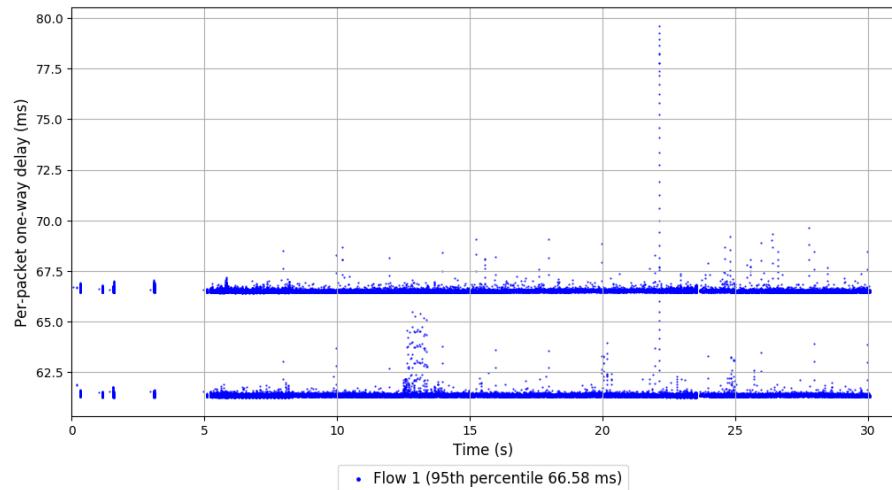
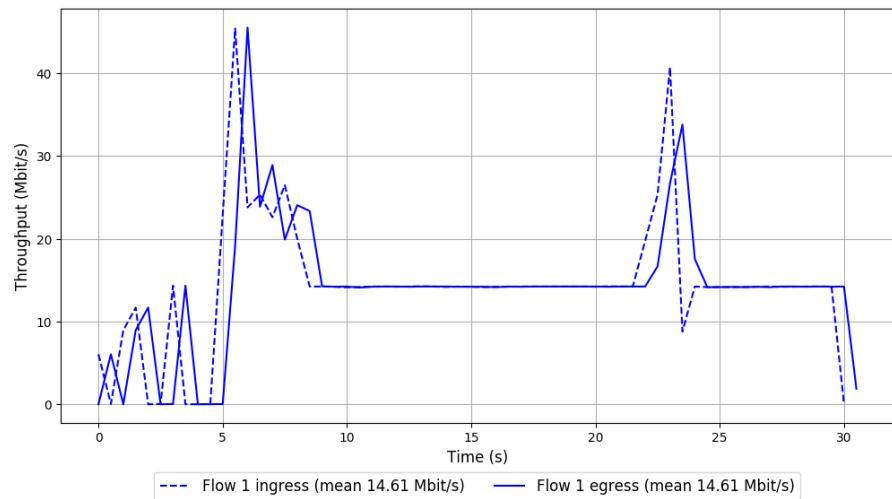


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-25 00:28:33
End at: 2018-05-25 00:29:03
Local clock offset: 0.001 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 66.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 66.581 ms
Loss rate: 0.00%
```

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

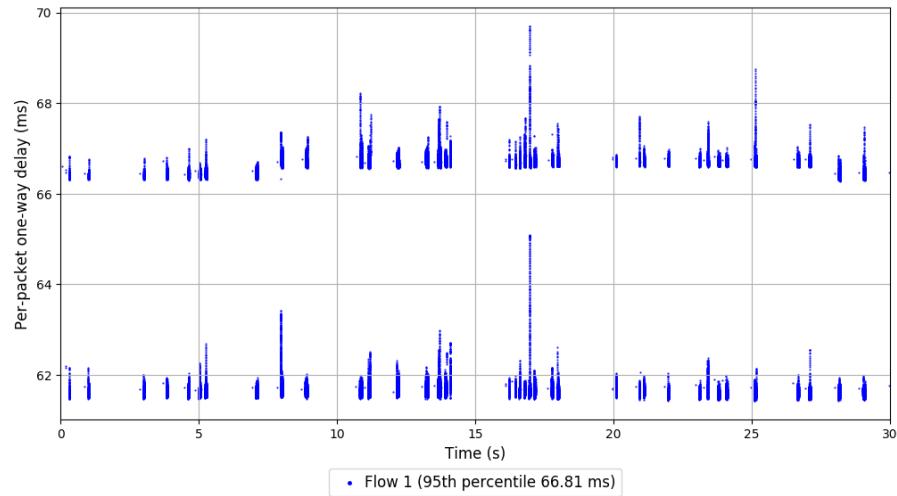
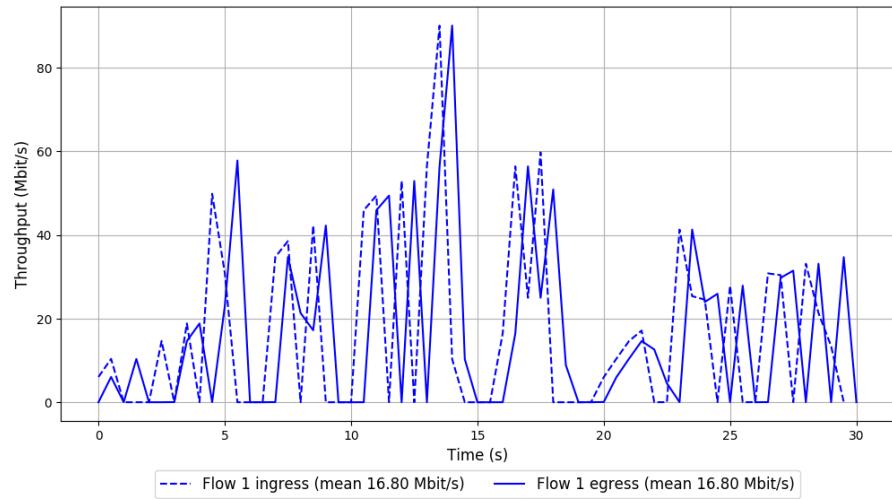


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-25 00:48:12
End at: 2018-05-25 00:48:42
Local clock offset: -0.036 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 66.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 66.814 ms
Loss rate: 0.00%
```

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

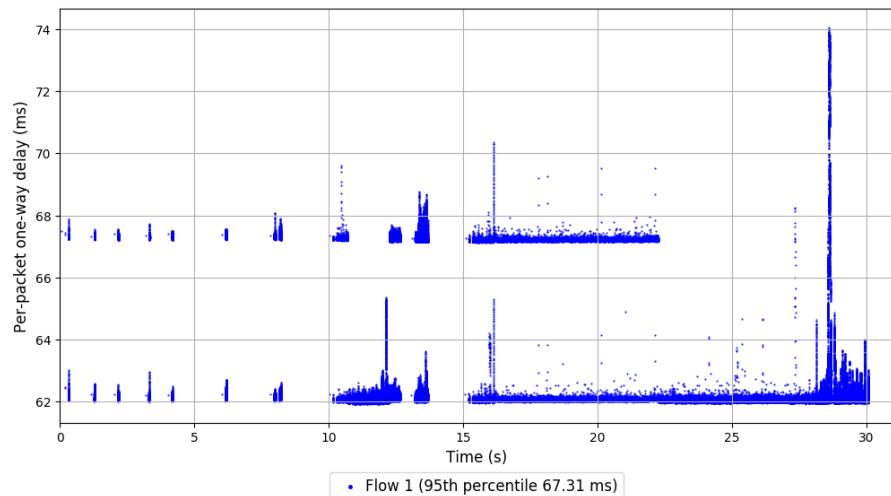
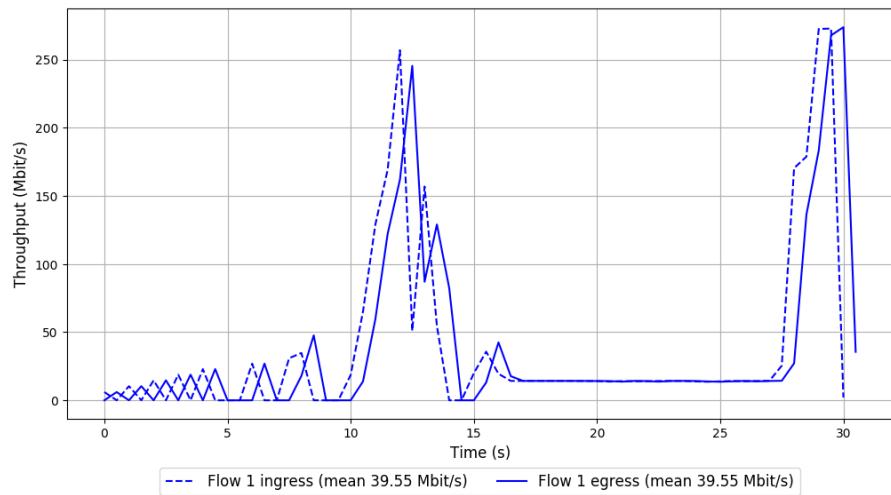


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-25 01:08:27
End at: 2018-05-25 01:08:57
Local clock offset: -0.068 ms
Remote clock offset: 0.504 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 67.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 67.310 ms
Loss rate: 0.00%
```

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

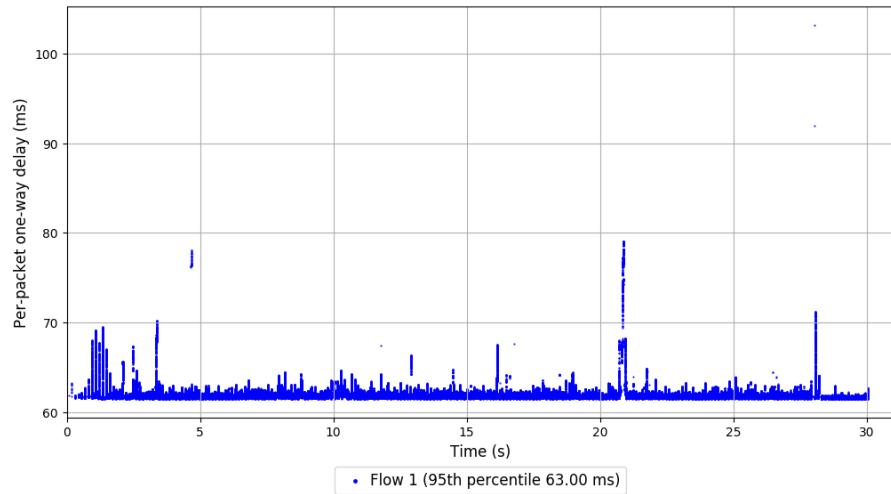
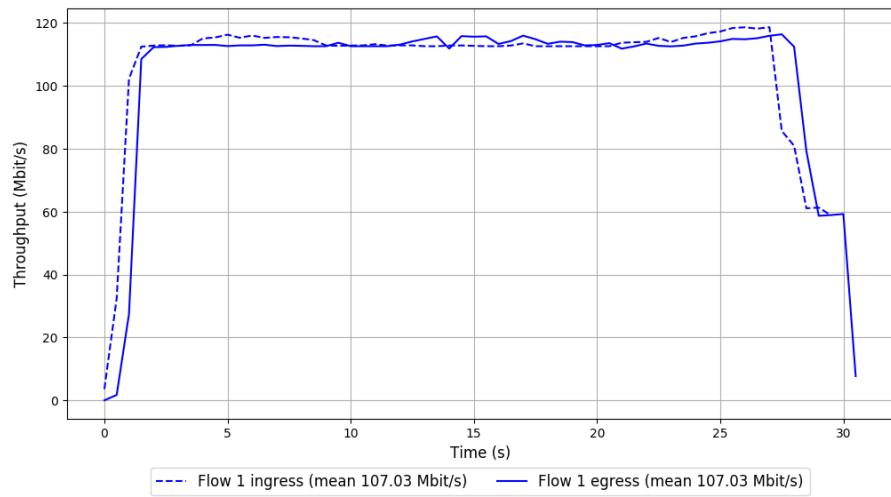


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-24 22:08:51
End at: 2018-05-24 22:09:21
Local clock offset: -0.005 ms
Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.03 Mbit/s
95th percentile per-packet one-way delay: 63.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.03 Mbit/s
95th percentile per-packet one-way delay: 63.002 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

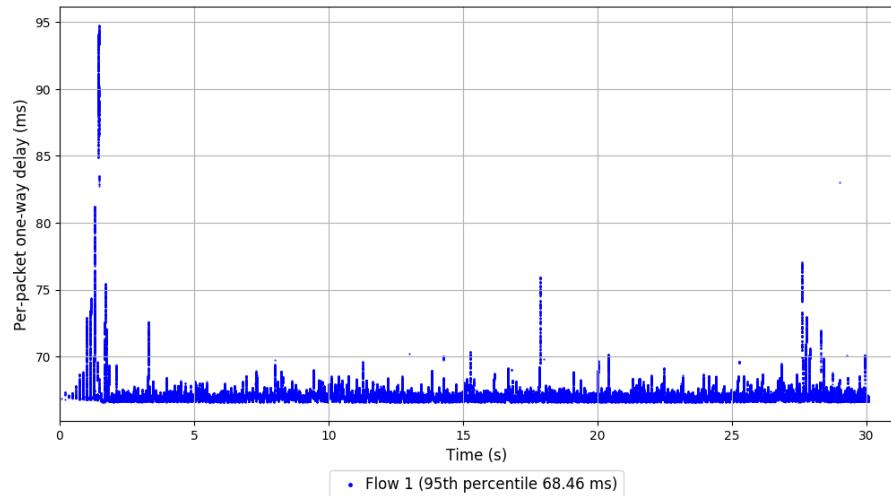
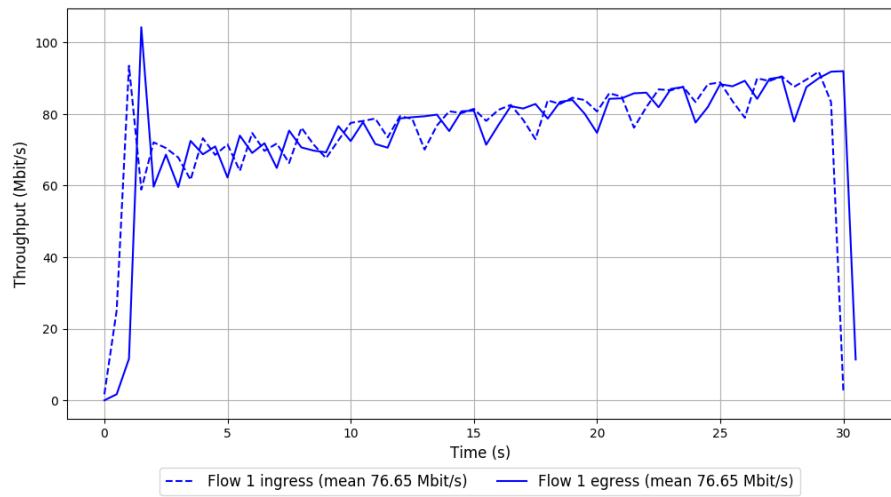


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-24 22:28:54
End at: 2018-05-24 22:29:24
Local clock offset: -0.017 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 68.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 68.462 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

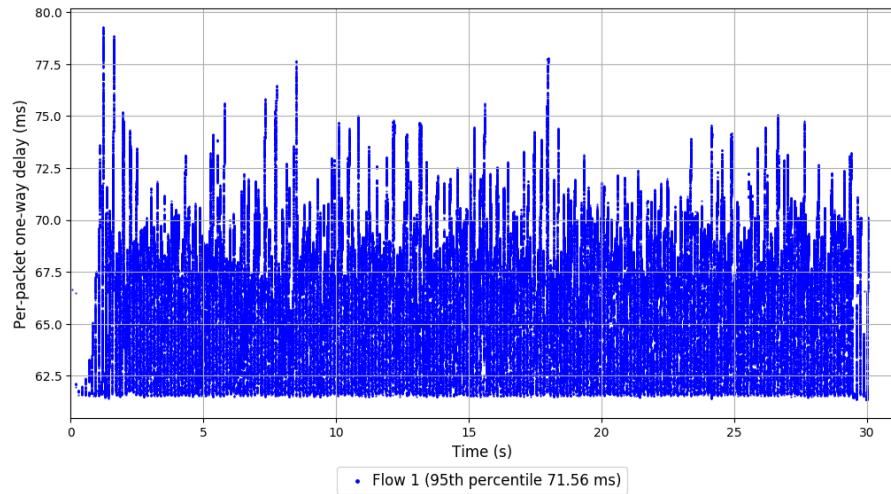
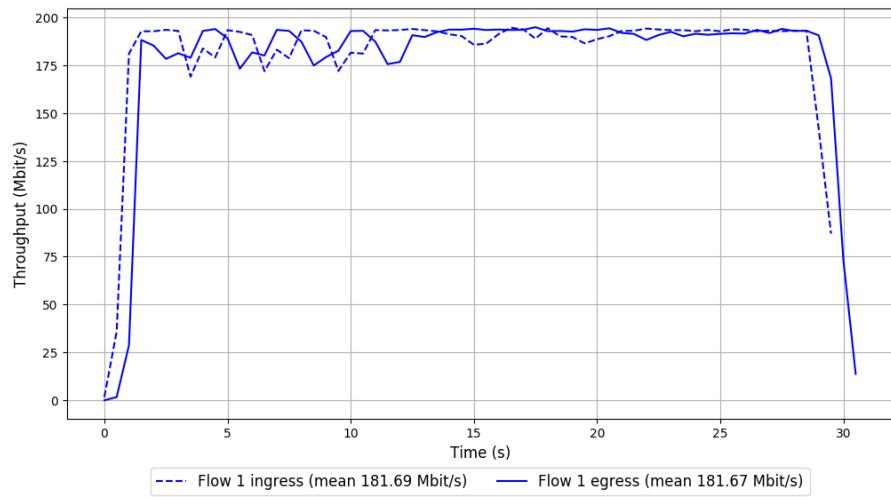


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-24 22:49:02
End at: 2018-05-24 22:49:32
Local clock offset: 0.001 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.67 Mbit/s
95th percentile per-packet one-way delay: 71.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.67 Mbit/s
95th percentile per-packet one-way delay: 71.565 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

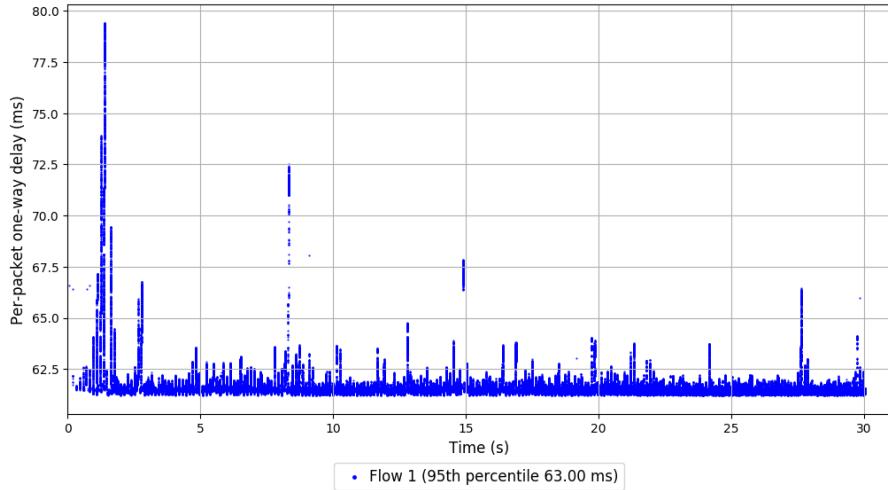
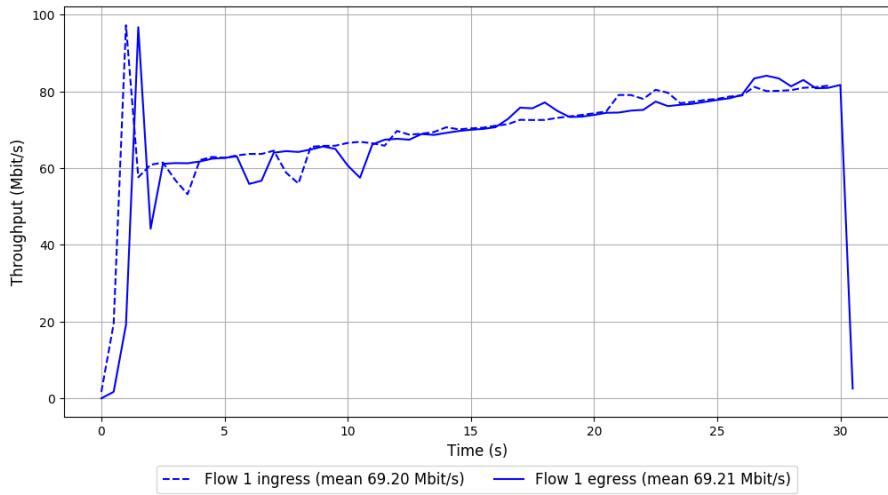


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-24 23:09:21
End at: 2018-05-24 23:09:51
Local clock offset: -0.077 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 63.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 63.000 ms
Loss rate: 0.00%
```

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

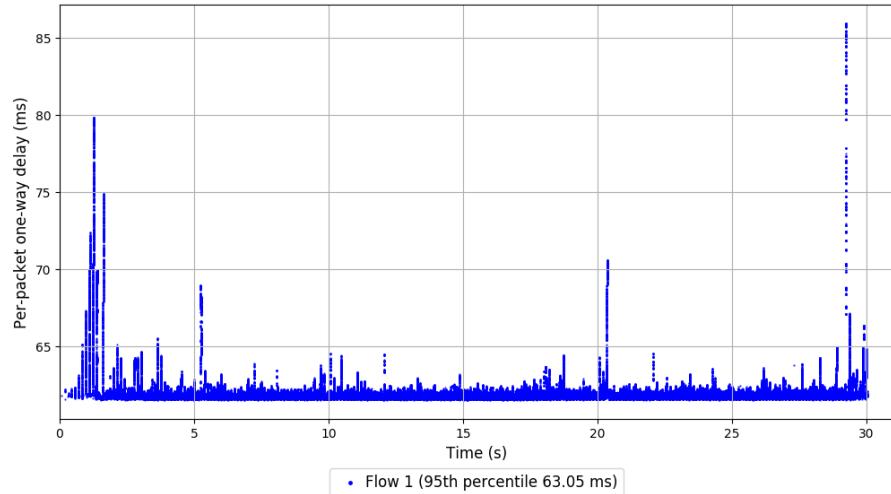
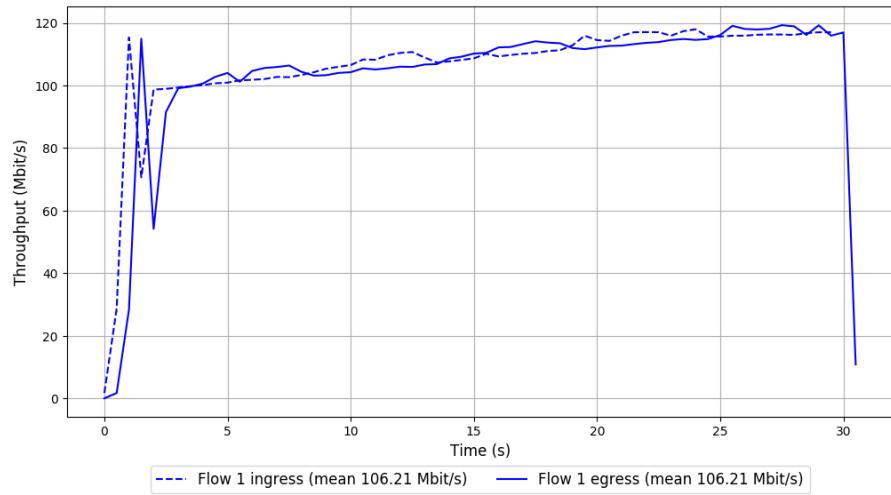


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-24 23:29:31
End at: 2018-05-24 23:30:01
Local clock offset: -0.102 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.21 Mbit/s
95th percentile per-packet one-way delay: 63.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.21 Mbit/s
95th percentile per-packet one-way delay: 63.052 ms
Loss rate: 0.00%
```

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

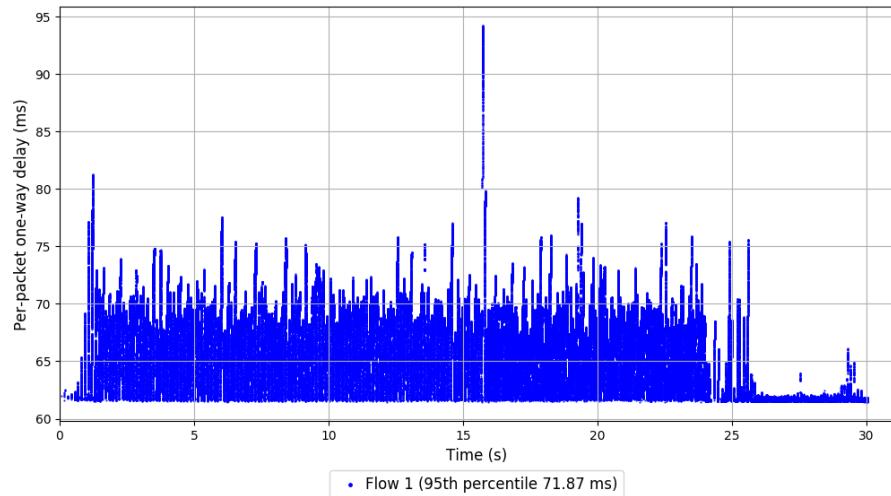
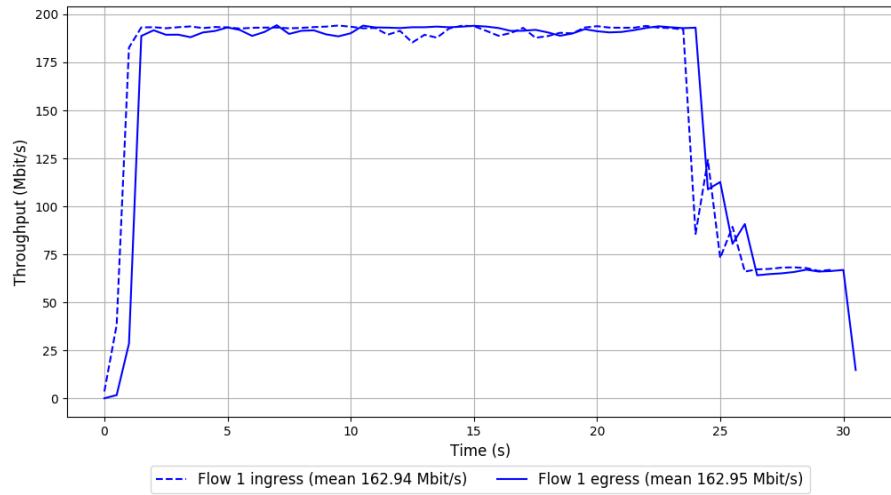


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-24 23:49:40
End at: 2018-05-24 23:50:10
Local clock offset: 0.014 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.95 Mbit/s
95th percentile per-packet one-way delay: 71.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.95 Mbit/s
95th percentile per-packet one-way delay: 71.866 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

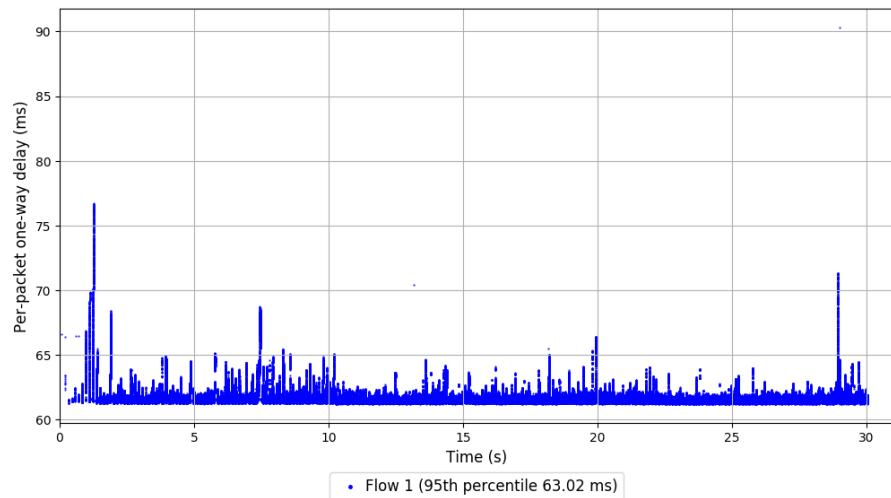
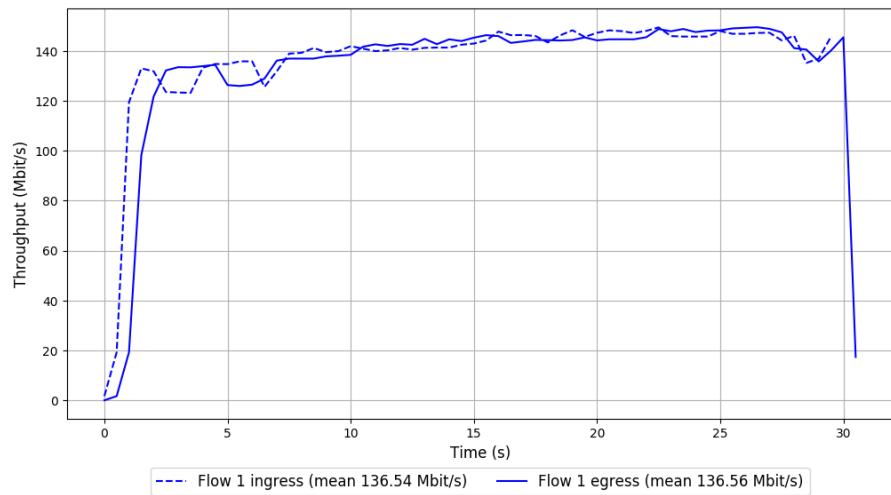


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-25 00:09:49
End at: 2018-05-25 00:10:19
Local clock offset: -0.022 ms
Remote clock offset: -0.309 ms

# Below is generated by plot.py at 2018-05-25 02:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.56 Mbit/s
95th percentile per-packet one-way delay: 63.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.56 Mbit/s
95th percentile per-packet one-way delay: 63.025 ms
Loss rate: 0.00%
```

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

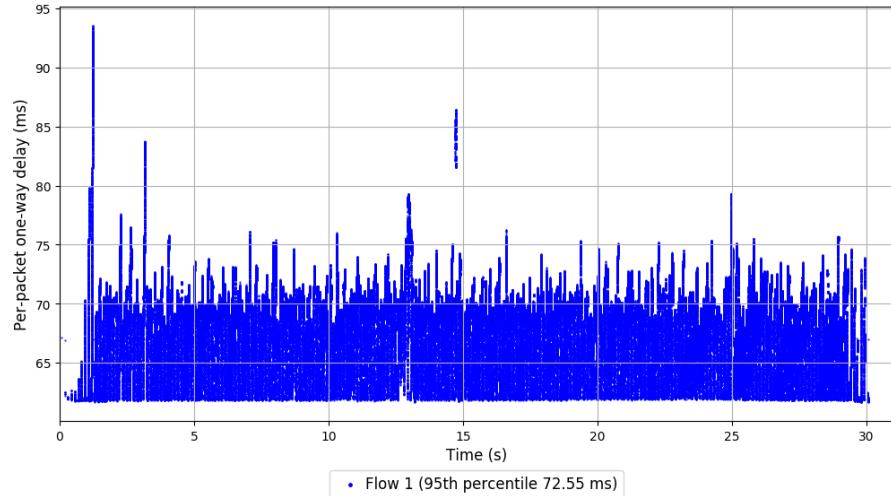
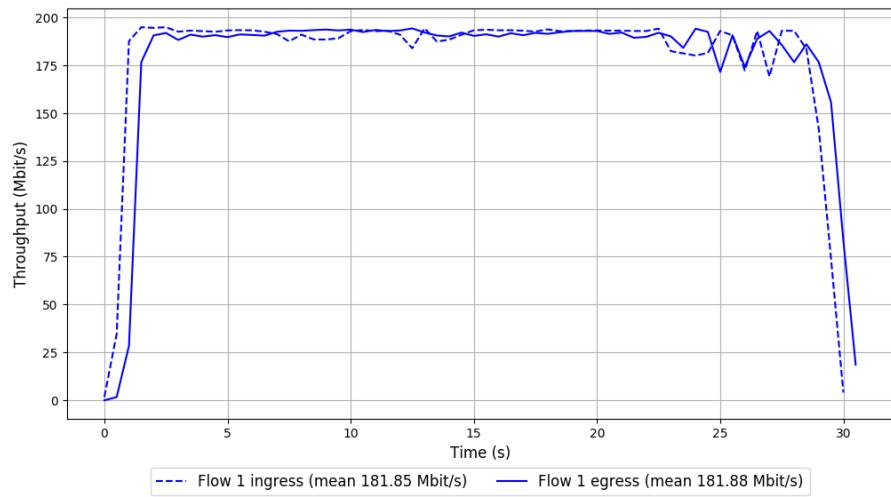


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-25 00:29:41
End at: 2018-05-25 00:30:11
Local clock offset: -0.076 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2018-05-25 02:36:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.88 Mbit/s
95th percentile per-packet one-way delay: 72.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.88 Mbit/s
95th percentile per-packet one-way delay: 72.552 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

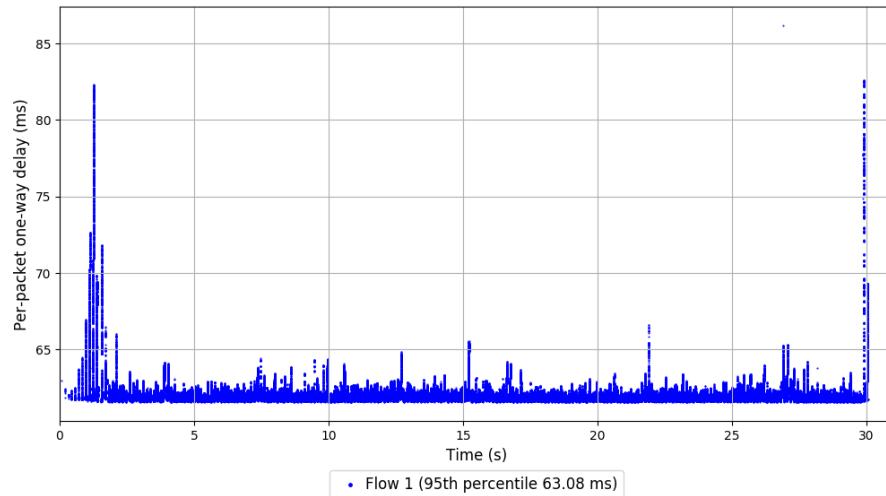
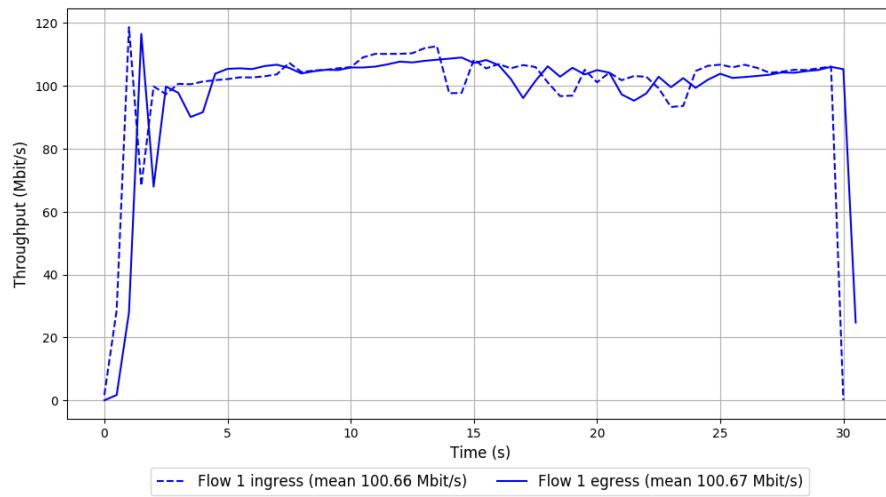


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-25 00:49:20
End at: 2018-05-25 00:49:50
Local clock offset: -0.029 ms
Remote clock offset: 0.091 ms

# Below is generated by plot.py at 2018-05-25 02:36:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.67 Mbit/s
95th percentile per-packet one-way delay: 63.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.67 Mbit/s
95th percentile per-packet one-way delay: 63.084 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

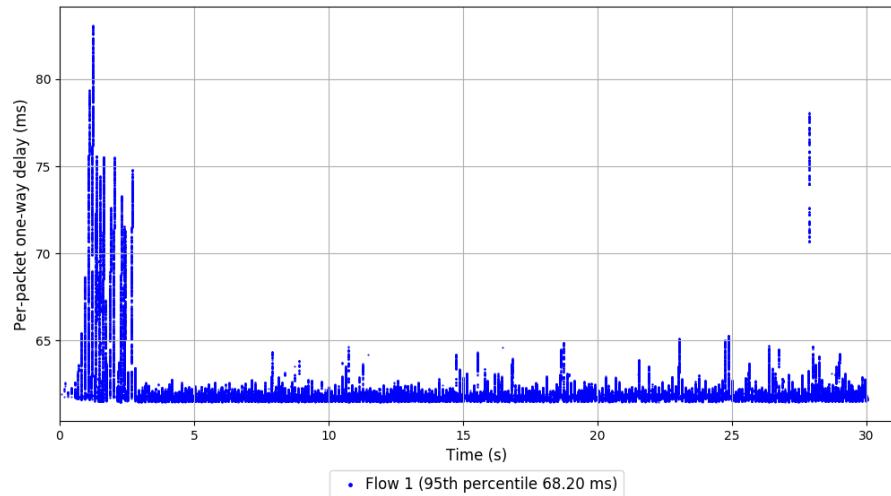
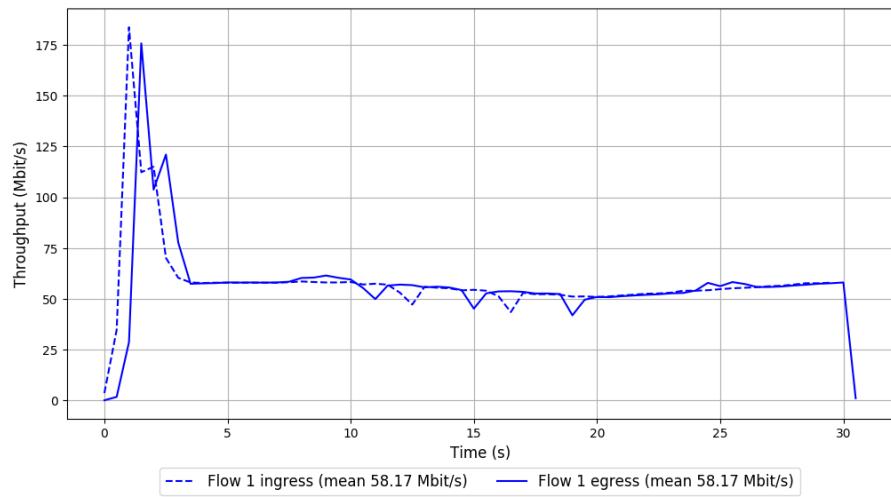


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-25 01:09:36
End at: 2018-05-25 01:10:06
Local clock offset: -0.105 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-05-25 02:36:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 68.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 68.203 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

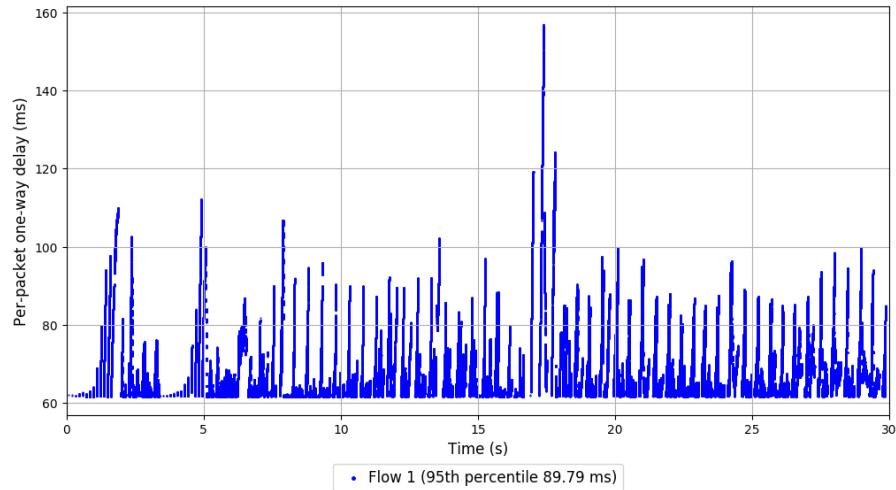
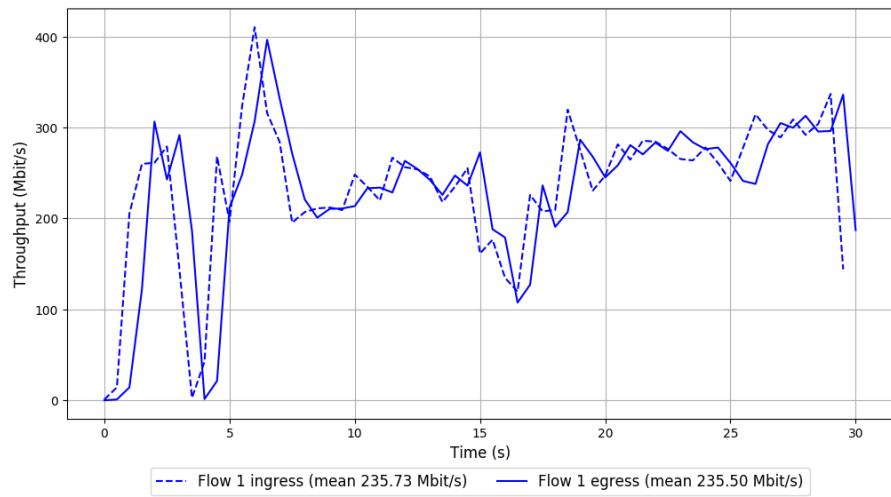


Run 1: Statistics of Verus

```
Start at: 2018-05-24 22:02:42
End at: 2018-05-24 22:03:12
Local clock offset: -0.018 ms
Remote clock offset: 0.219 ms

# Below is generated by plot.py at 2018-05-25 02:39:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.50 Mbit/s
95th percentile per-packet one-way delay: 89.788 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 235.50 Mbit/s
95th percentile per-packet one-way delay: 89.788 ms
Loss rate: 0.08%
```

Run 1: Report of Verus — Data Link

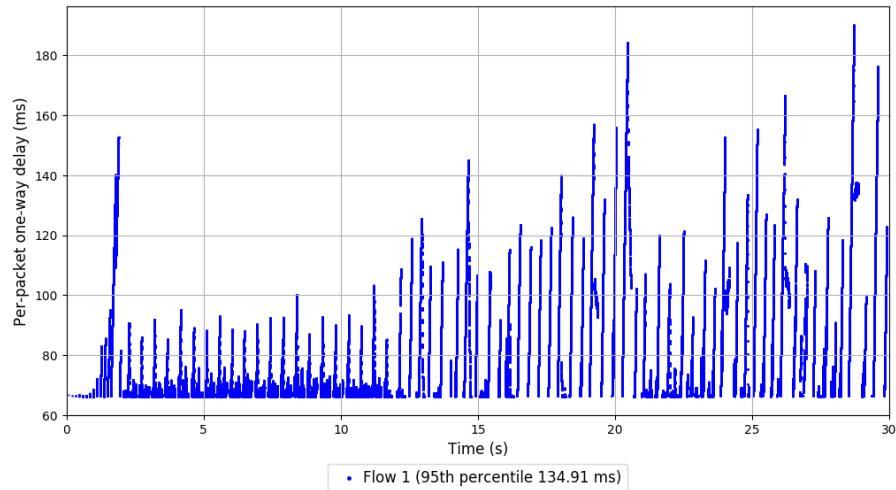
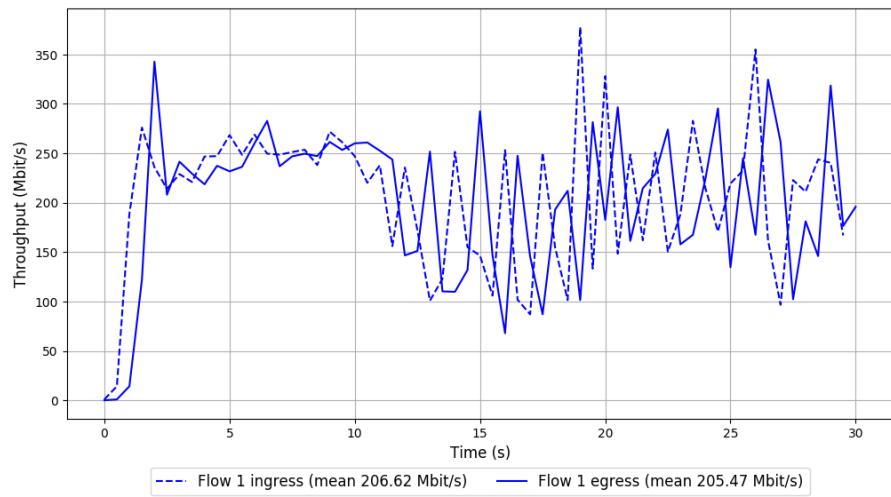


Run 2: Statistics of Verus

```
Start at: 2018-05-24 22:22:57
End at: 2018-05-24 22:23:27
Local clock offset: 0.059 ms
Remote clock offset: -0.38 ms

# Below is generated by plot.py at 2018-05-25 02:39:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.47 Mbit/s
95th percentile per-packet one-way delay: 134.915 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 205.47 Mbit/s
95th percentile per-packet one-way delay: 134.915 ms
Loss rate: 0.55%
```

Run 2: Report of Verus — Data Link

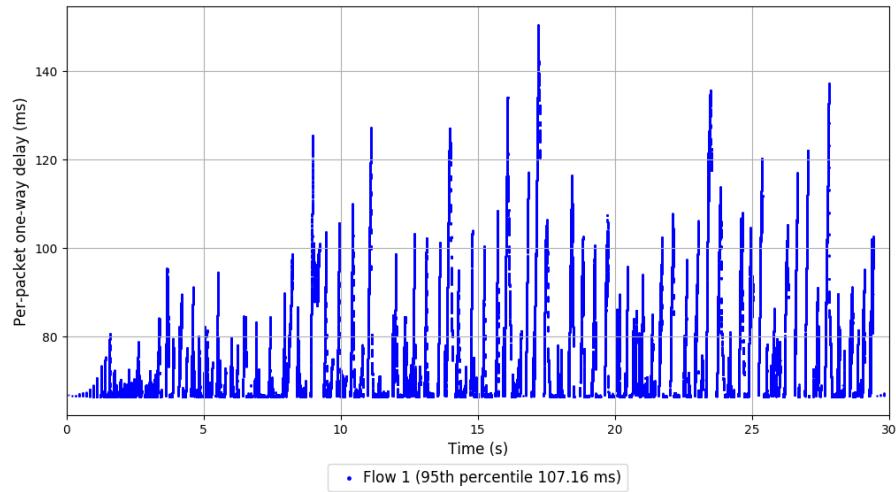
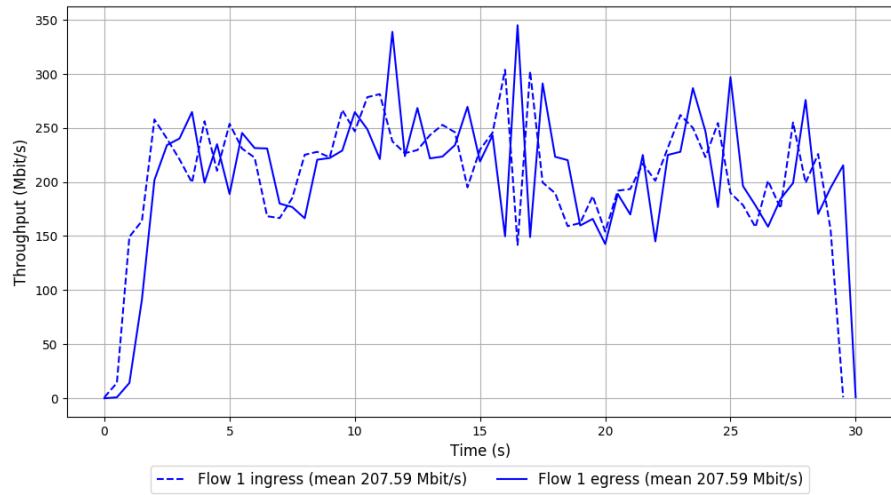


Run 3: Statistics of Verus

```
Start at: 2018-05-24 22:42:58
End at: 2018-05-24 22:43:28
Local clock offset: 0.011 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-05-25 02:39:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.59 Mbit/s
95th percentile per-packet one-way delay: 107.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.59 Mbit/s
95th percentile per-packet one-way delay: 107.162 ms
Loss rate: 0.00%
```

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

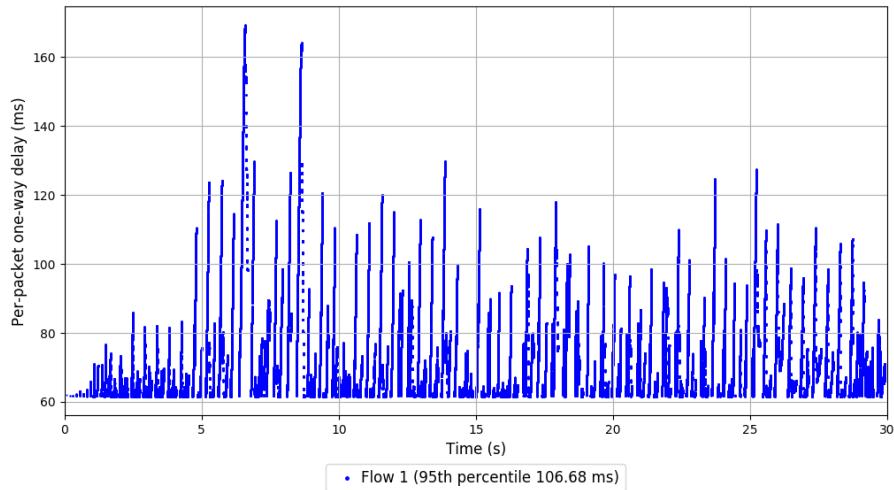
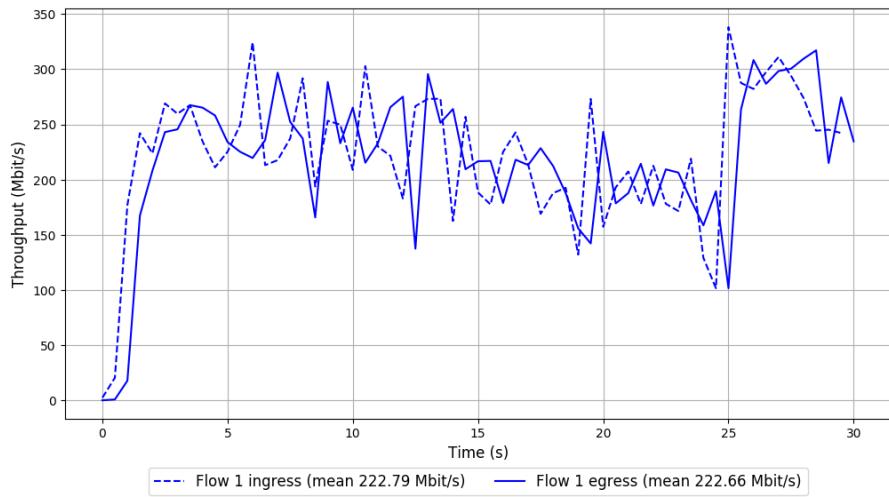


Run 4: Statistics of Verus

```
Start at: 2018-05-24 23:03:08
End at: 2018-05-24 23:03:38
Local clock offset: -0.078 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-05-25 02:40:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.66 Mbit/s
95th percentile per-packet one-way delay: 106.683 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 222.66 Mbit/s
95th percentile per-packet one-way delay: 106.683 ms
Loss rate: 0.06%
```

Run 4: Report of Verus — Data Link

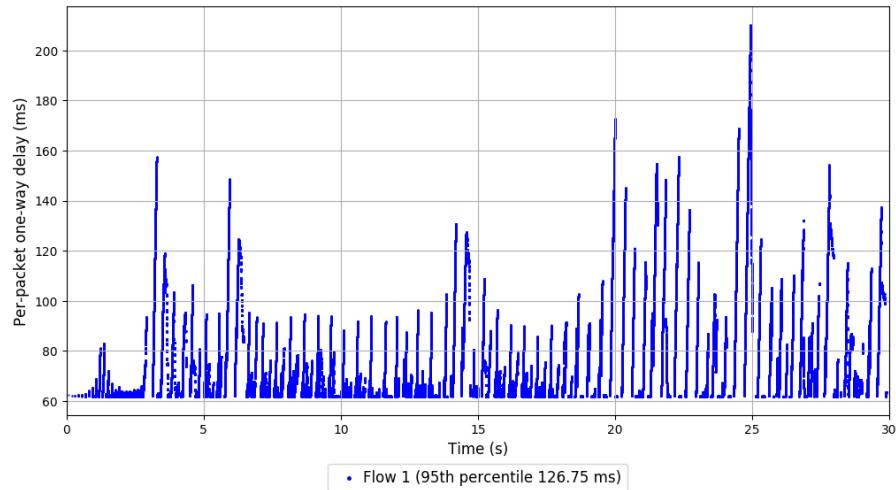
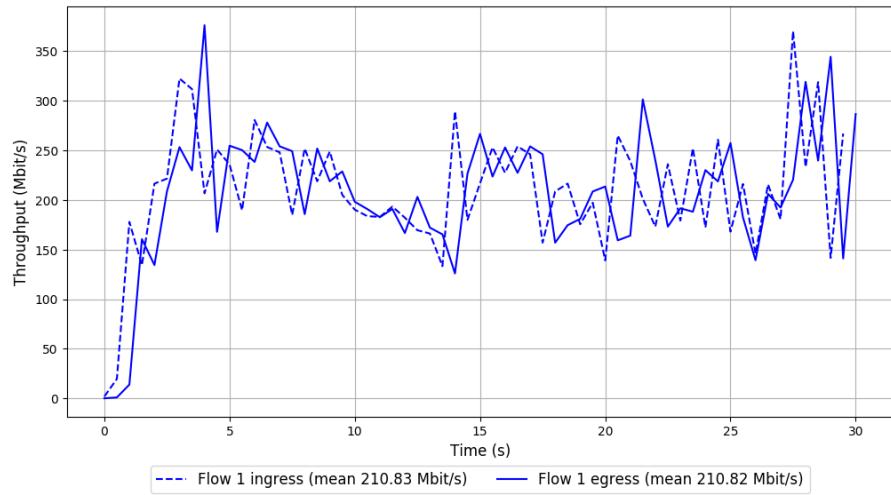


Run 5: Statistics of Verus

```
Start at: 2018-05-24 23:23:26
End at: 2018-05-24 23:23:56
Local clock offset: -0.1 ms
Remote clock offset: 0.151 ms

# Below is generated by plot.py at 2018-05-25 02:40:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.82 Mbit/s
95th percentile per-packet one-way delay: 126.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.82 Mbit/s
95th percentile per-packet one-way delay: 126.750 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

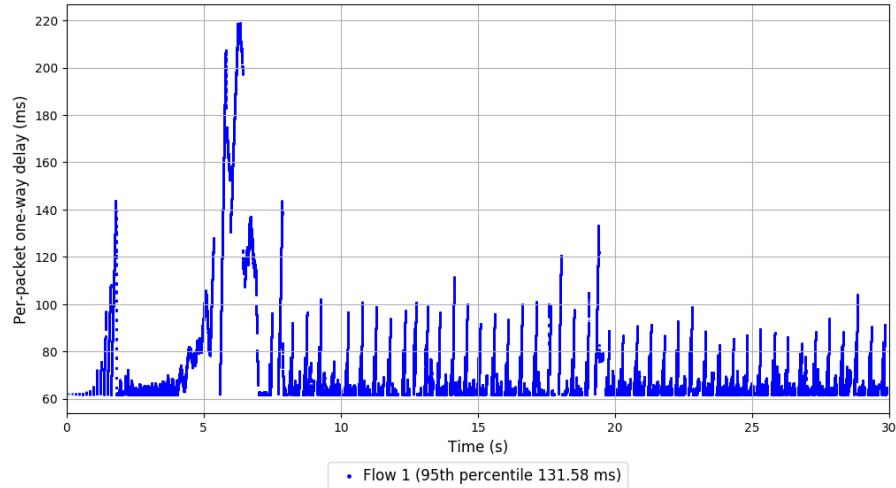
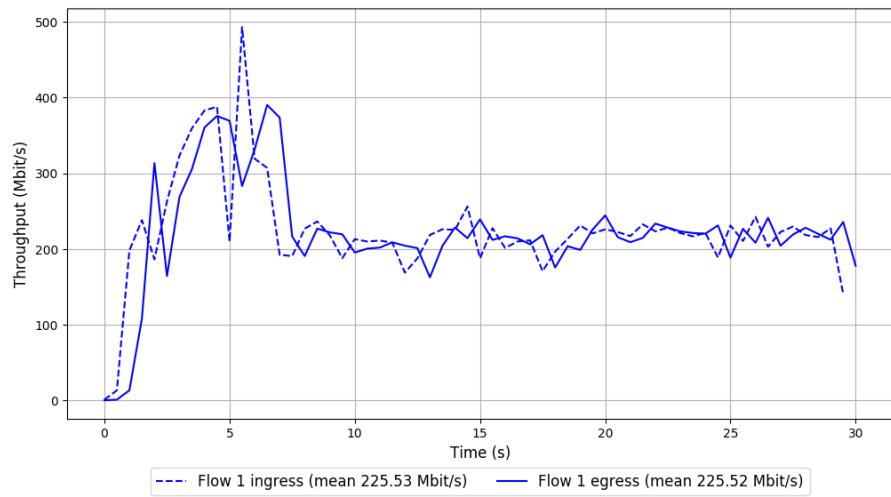


Run 6: Statistics of Verus

```
Start at: 2018-05-24 23:43:38
End at: 2018-05-24 23:44:08
Local clock offset: 0.03 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2018-05-25 02:40:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.52 Mbit/s
95th percentile per-packet one-way delay: 131.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.52 Mbit/s
95th percentile per-packet one-way delay: 131.579 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

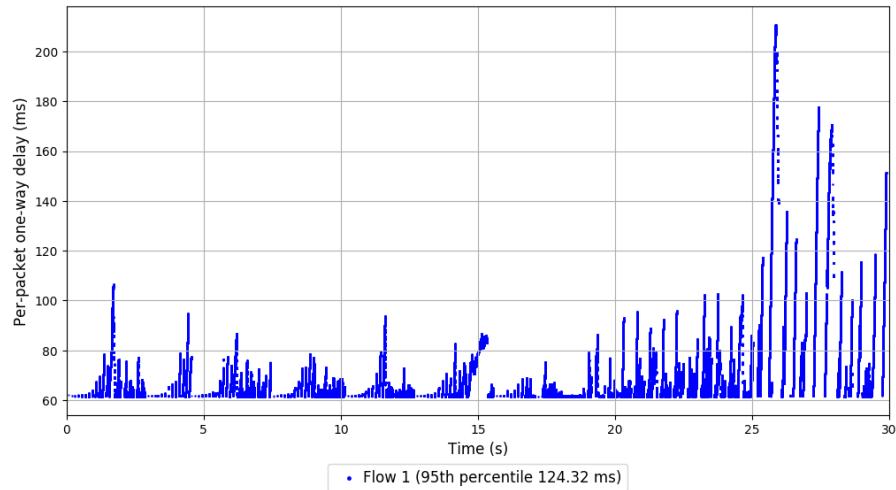
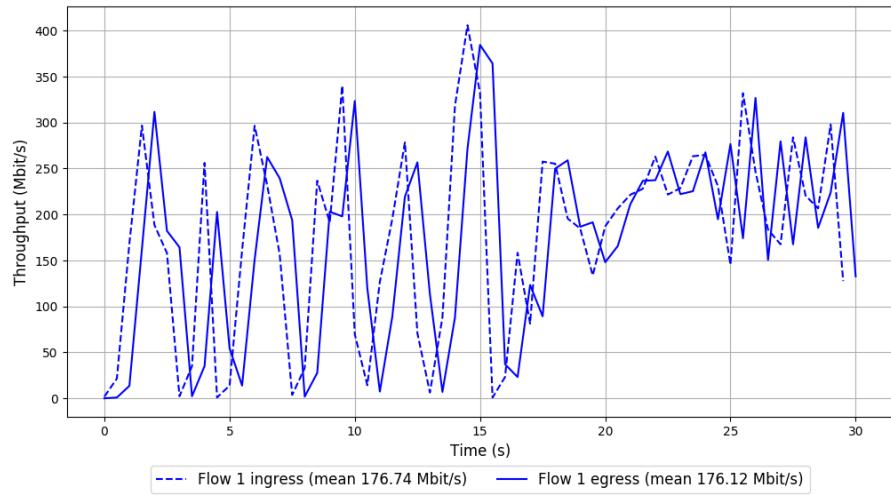


Run 7: Statistics of Verus

```
Start at: 2018-05-25 00:03:55
End at: 2018-05-25 00:04:25
Local clock offset: 0.074 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-05-25 02:40:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.12 Mbit/s
95th percentile per-packet one-way delay: 124.324 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 176.12 Mbit/s
95th percentile per-packet one-way delay: 124.324 ms
Loss rate: 0.05%
```

Run 7: Report of Verus — Data Link

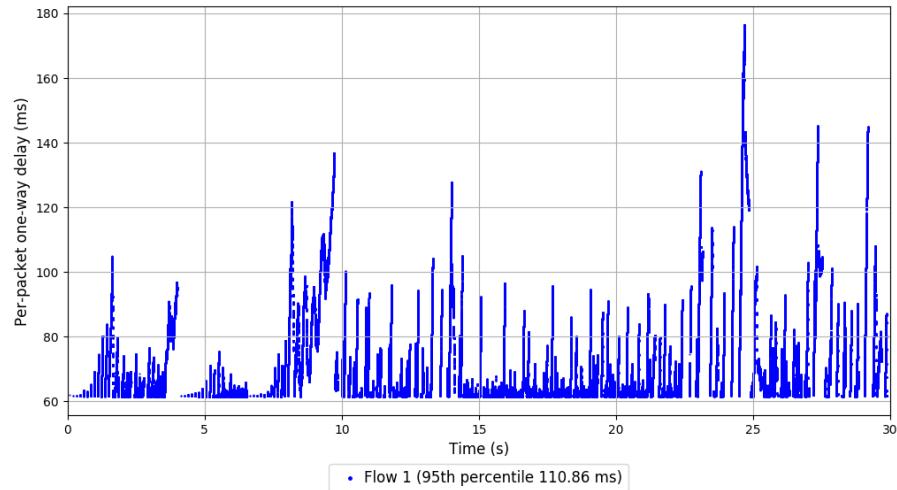
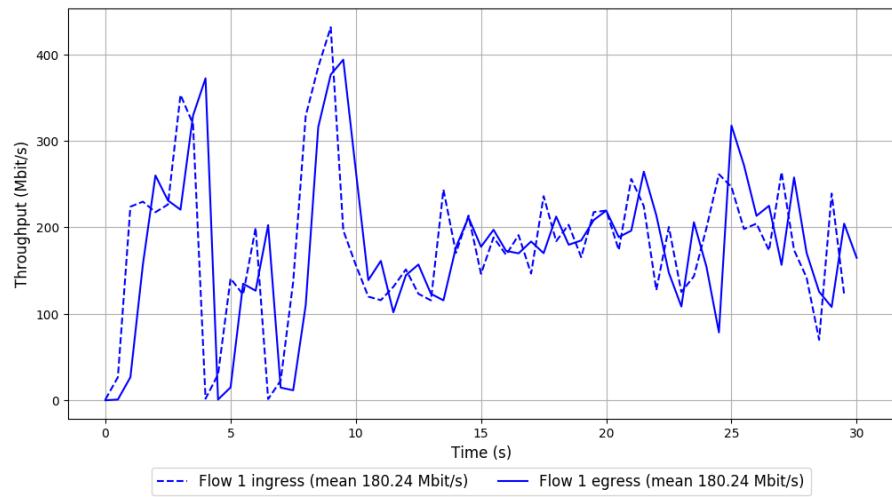


Run 8: Statistics of Verus

```
Start at: 2018-05-25 00:23:50
End at: 2018-05-25 00:24:20
Local clock offset: -0.042 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-05-25 02:40:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.24 Mbit/s
95th percentile per-packet one-way delay: 110.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.24 Mbit/s
95th percentile per-packet one-way delay: 110.859 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link

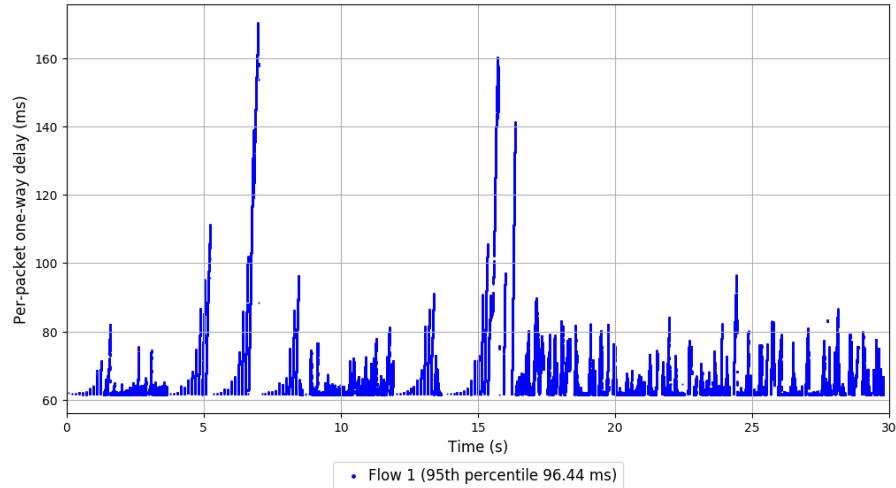
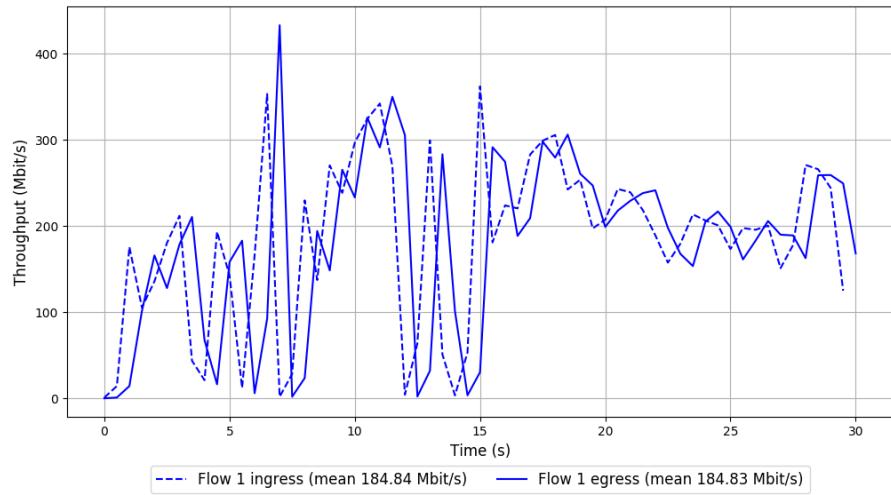


Run 9: Statistics of Verus

```
Start at: 2018-05-25 00:43:27
End at: 2018-05-25 00:43:57
Local clock offset: -0.06 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-25 02:42:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.83 Mbit/s
95th percentile per-packet one-way delay: 96.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.83 Mbit/s
95th percentile per-packet one-way delay: 96.441 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

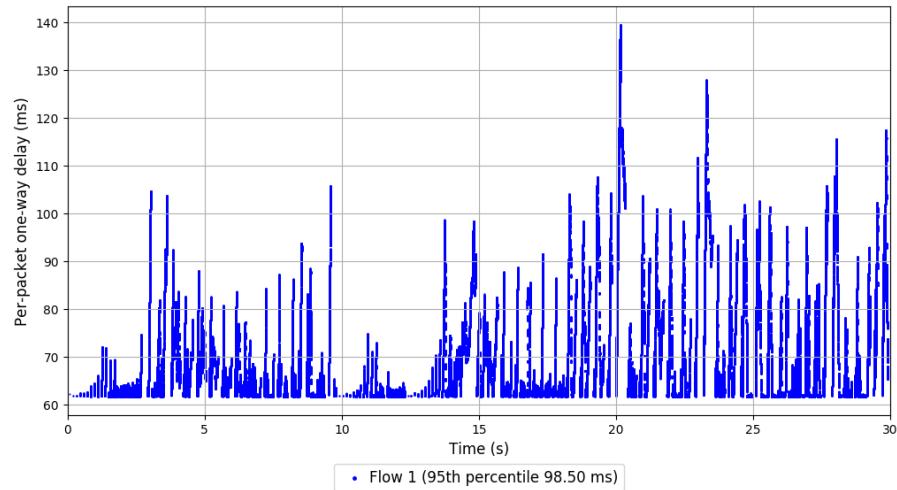
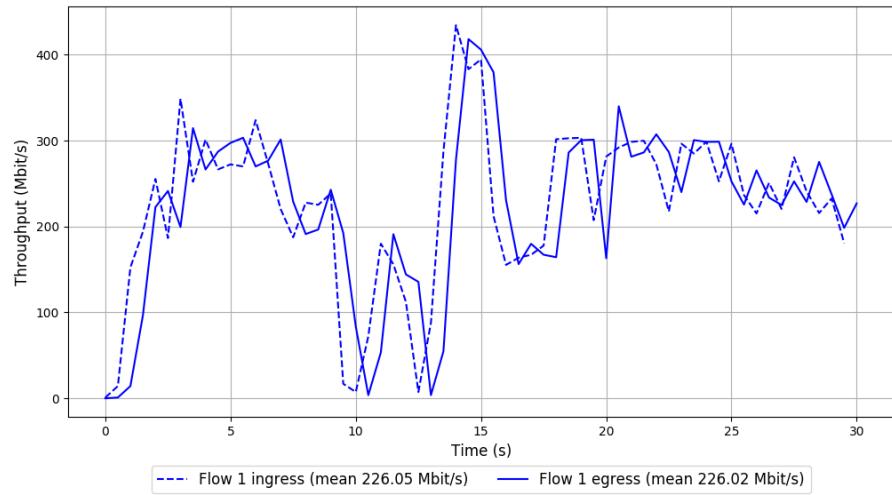


Run 10: Statistics of Verus

```
Start at: 2018-05-25 01:03:38
End at: 2018-05-25 01:04:08
Local clock offset: -0.044 ms
Remote clock offset: 0.235 ms

# Below is generated by plot.py at 2018-05-25 02:43:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.02 Mbit/s
95th percentile per-packet one-way delay: 98.500 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 226.02 Mbit/s
95th percentile per-packet one-way delay: 98.500 ms
Loss rate: 0.01%
```

Run 10: Report of Verus — Data Link

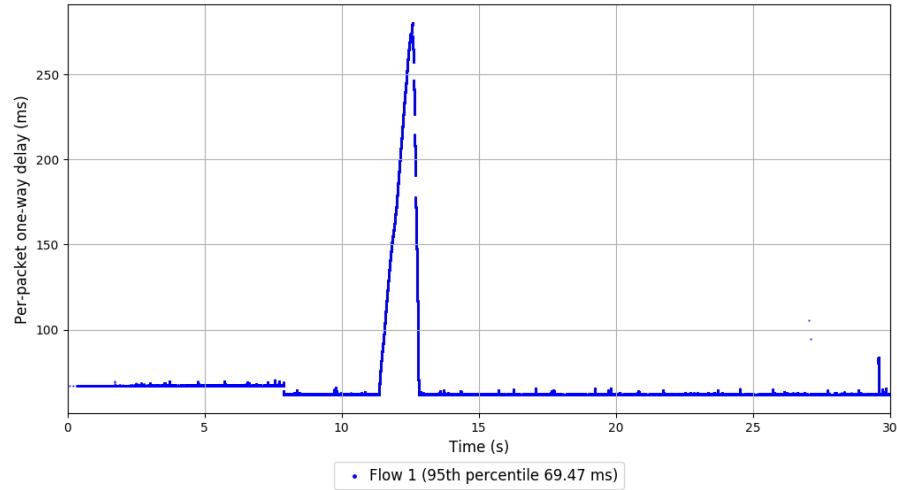
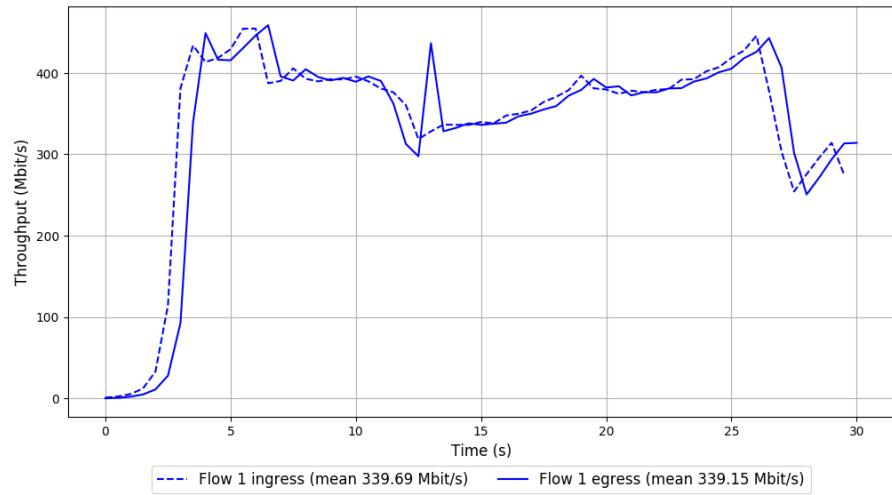


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-24 22:16:21
End at: 2018-05-24 22:16:51
Local clock offset: 0.014 ms
Remote clock offset: 0.42 ms

# Below is generated by plot.py at 2018-05-25 02:46:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.15 Mbit/s
95th percentile per-packet one-way delay: 69.467 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 339.15 Mbit/s
95th percentile per-packet one-way delay: 69.467 ms
Loss rate: 0.18%
```

Run 1: Report of PCC-Vivace — Data Link

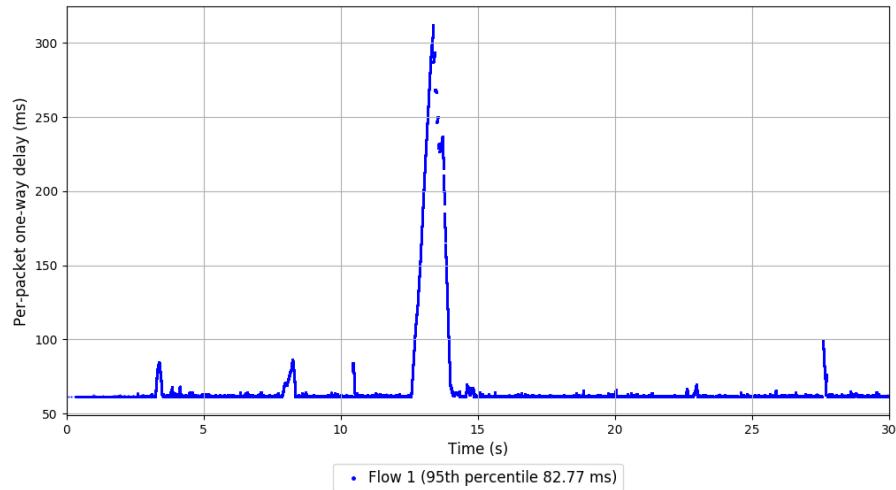
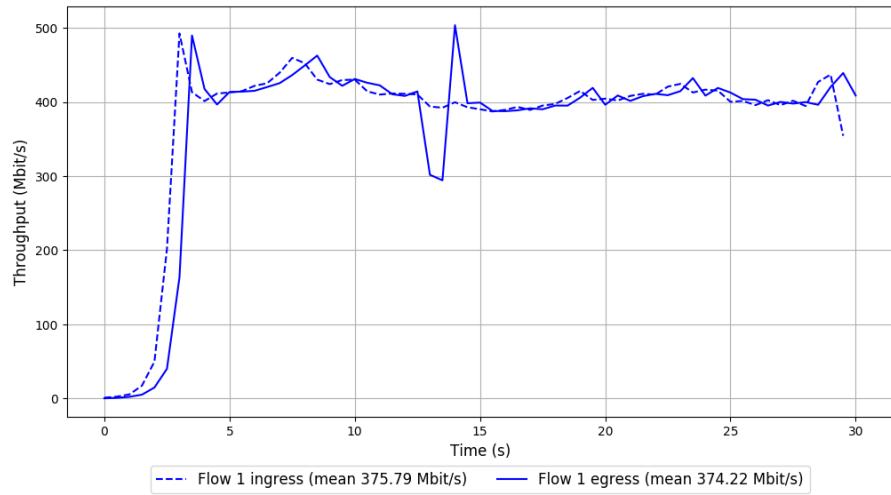


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-24 22:36:24
End at: 2018-05-24 22:36:55
Local clock offset: -0.066 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-05-25 02:47:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 374.22 Mbit/s
95th percentile per-packet one-way delay: 82.770 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 374.22 Mbit/s
95th percentile per-packet one-way delay: 82.770 ms
Loss rate: 0.42%
```

Run 2: Report of PCC-Vivace — Data Link

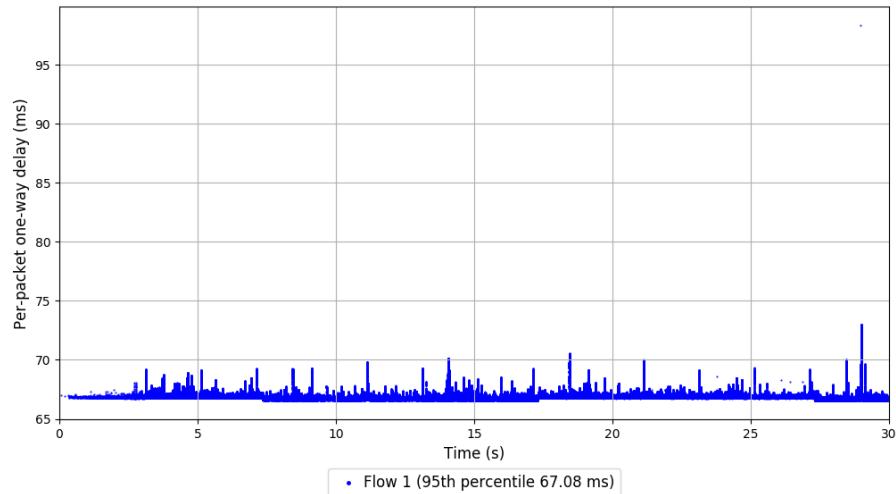
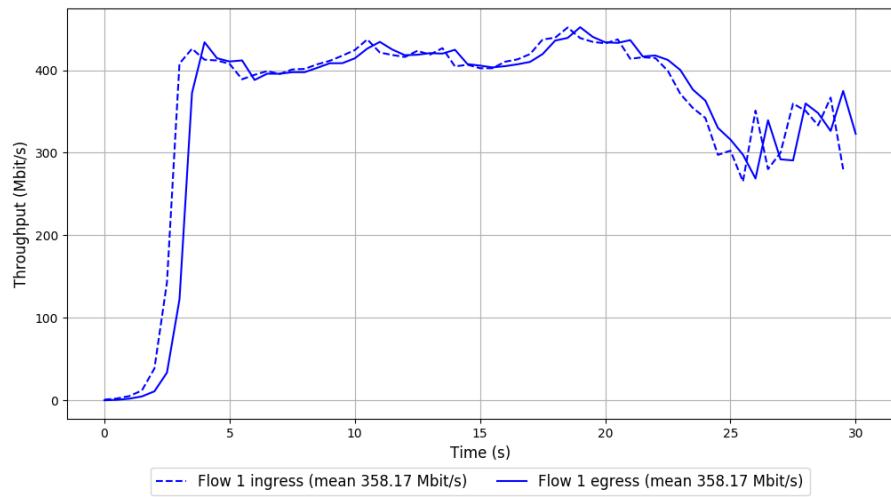


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-24 22:56:32
End at: 2018-05-24 22:57:02
Local clock offset: -0.044 ms
Remote clock offset: 0.089 ms

# Below is generated by plot.py at 2018-05-25 02:47:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 358.17 Mbit/s
95th percentile per-packet one-way delay: 67.078 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 358.17 Mbit/s
95th percentile per-packet one-way delay: 67.078 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Vivace — Data Link

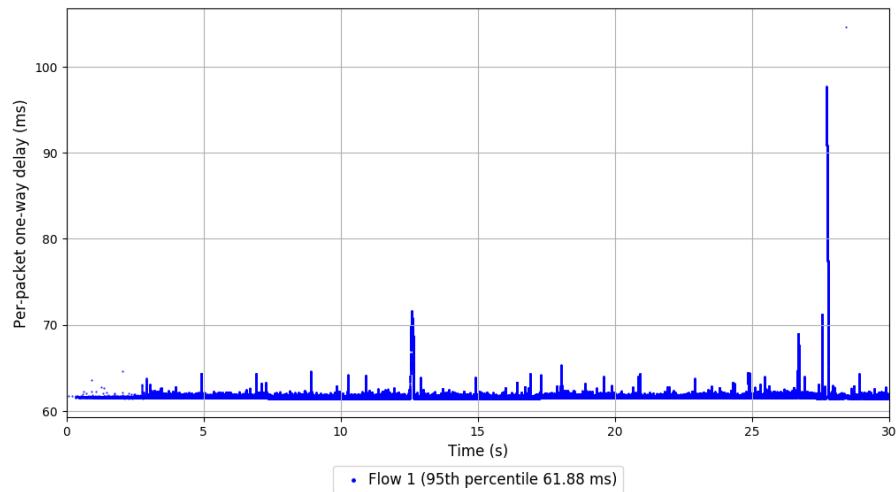
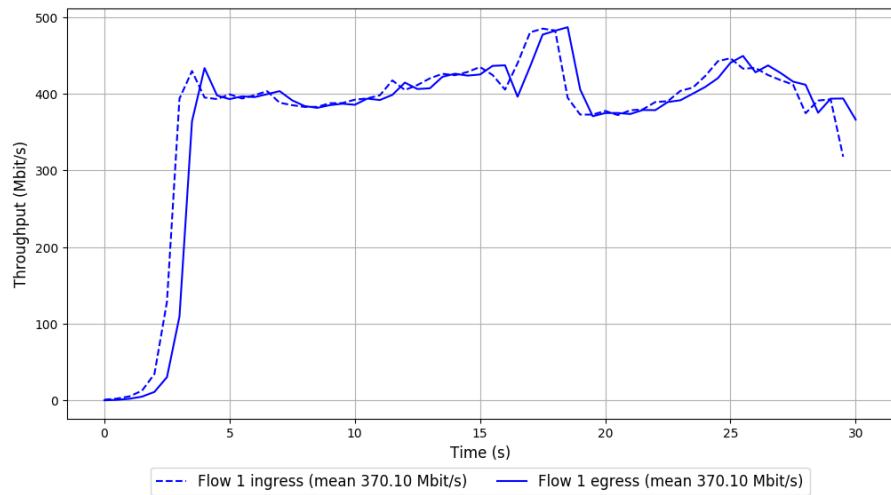


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-24 23:16:52
End at: 2018-05-24 23:17:22
Local clock offset: -0.1 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2018-05-25 02:48:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.10 Mbit/s
95th percentile per-packet one-way delay: 61.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 370.10 Mbit/s
95th percentile per-packet one-way delay: 61.883 ms
Loss rate: 0.00%
```

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

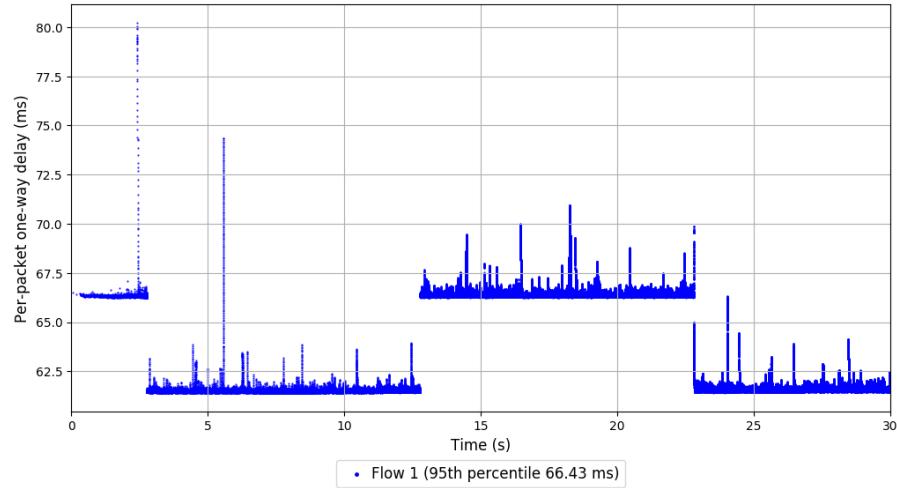
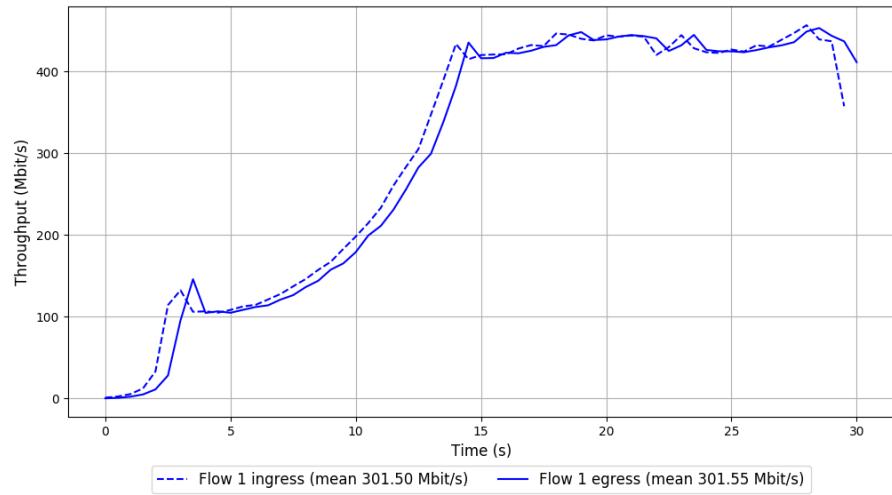


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-24 23:37:07
End at: 2018-05-24 23:37:37
Local clock offset: -0.005 ms
Remote clock offset: -0.153 ms

# Below is generated by plot.py at 2018-05-25 02:48:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 301.55 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.55 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

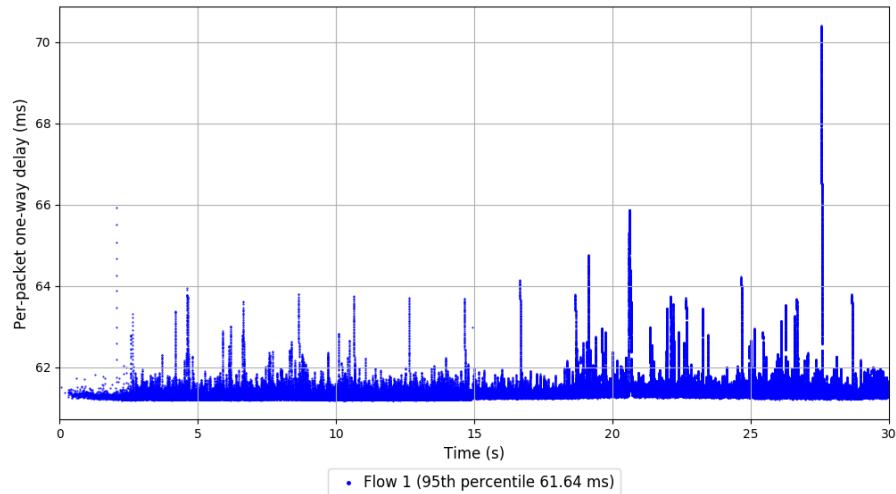
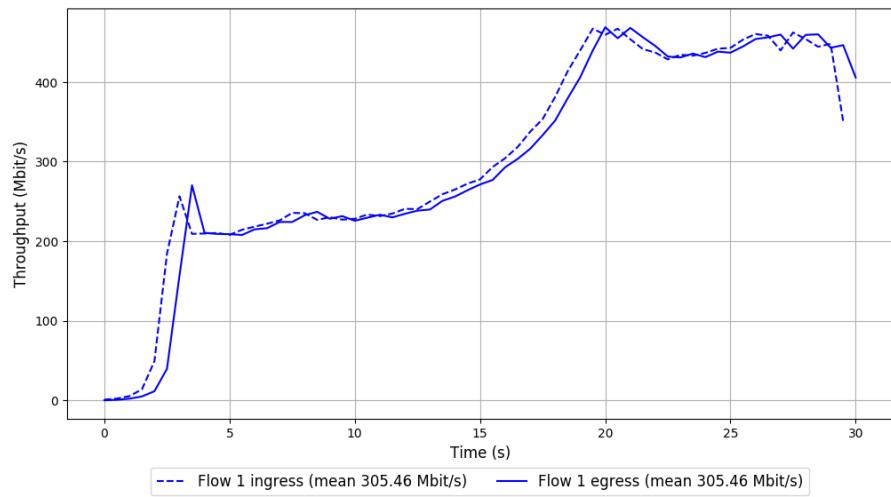


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-24 23:57:14
End at: 2018-05-24 23:57:44
Local clock offset: 0.054 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-05-25 02:48:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 305.46 Mbit/s
95th percentile per-packet one-way delay: 61.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 305.46 Mbit/s
95th percentile per-packet one-way delay: 61.640 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

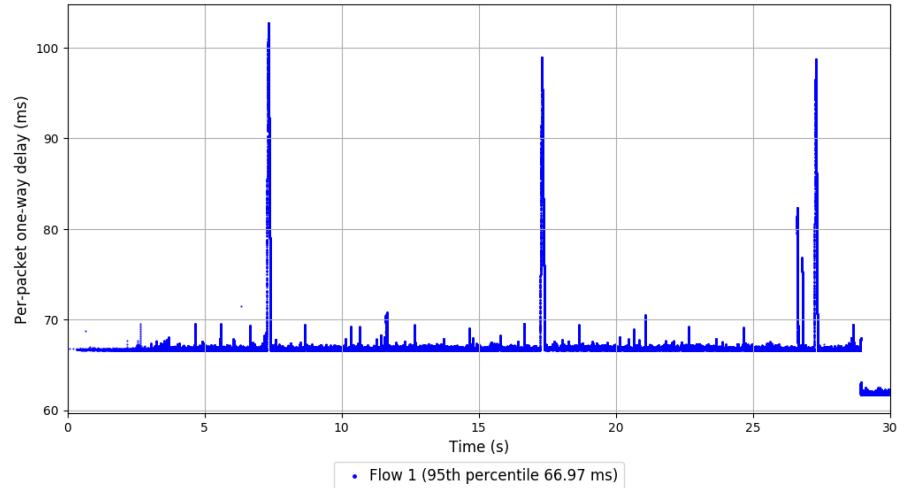
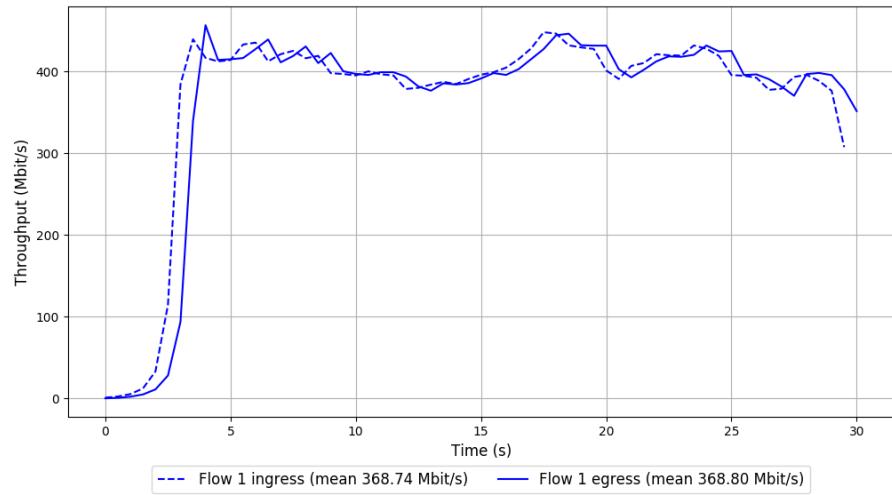


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-25 00:17:20
End at: 2018-05-25 00:17:50
Local clock offset: -0.094 ms
Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2018-05-25 02:48:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.80 Mbit/s
95th percentile per-packet one-way delay: 66.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 368.80 Mbit/s
95th percentile per-packet one-way delay: 66.971 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Vivace — Data Link

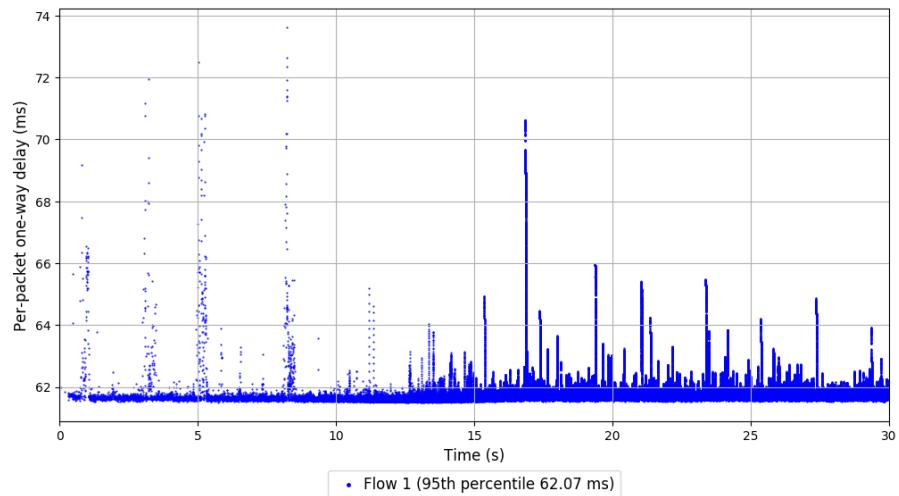
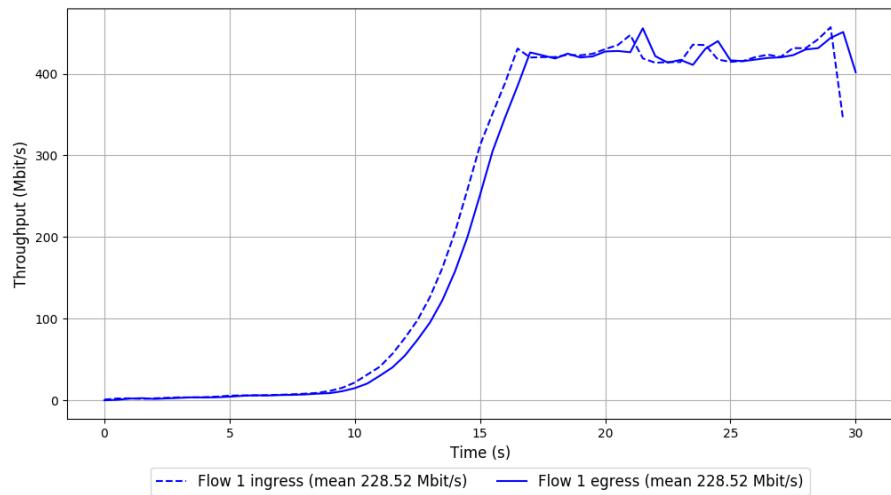


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-25 00:37:04
End at: 2018-05-25 00:37:34
Local clock offset: -0.062 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-05-25 02:48:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.52 Mbit/s
95th percentile per-packet one-way delay: 62.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.52 Mbit/s
95th percentile per-packet one-way delay: 62.074 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

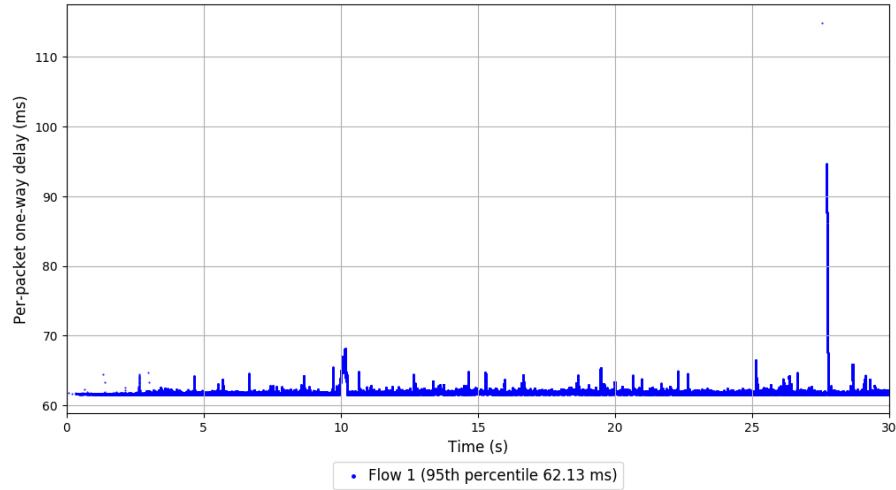
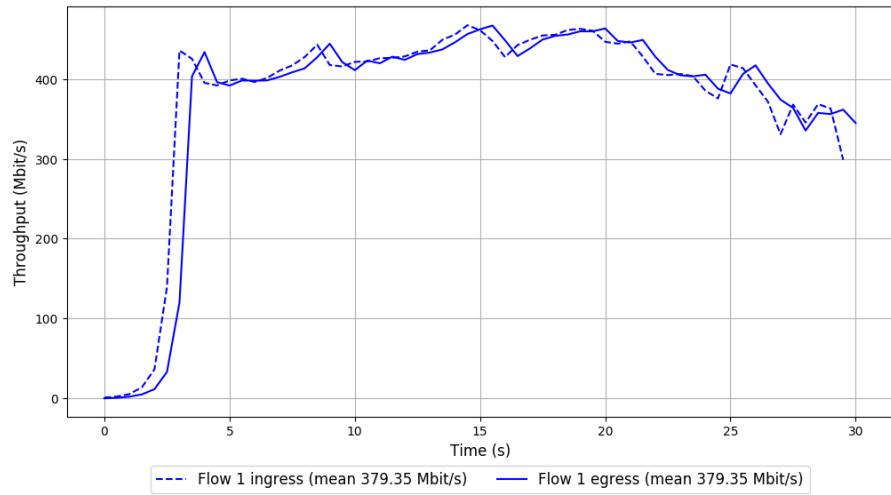


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-25 00:56:58
End at: 2018-05-25 00:57:28
Local clock offset: -0.058 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-05-25 02:49:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 379.35 Mbit/s
95th percentile per-packet one-way delay: 62.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 379.35 Mbit/s
95th percentile per-packet one-way delay: 62.126 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

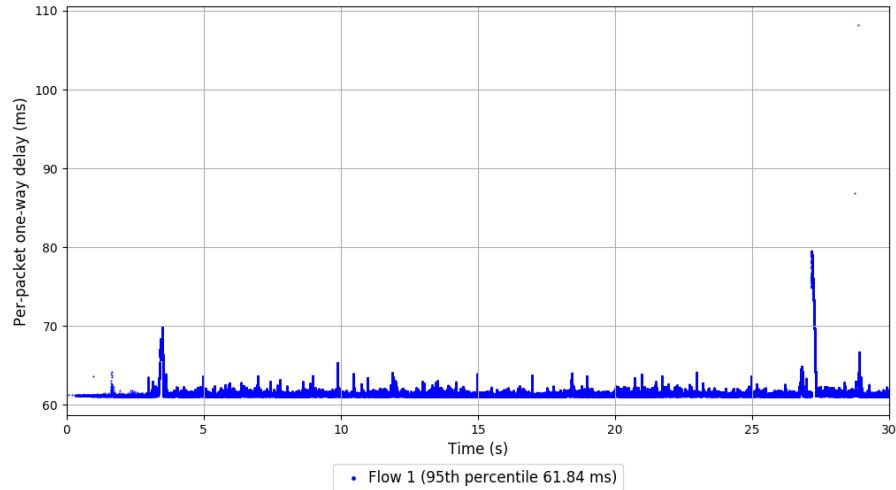
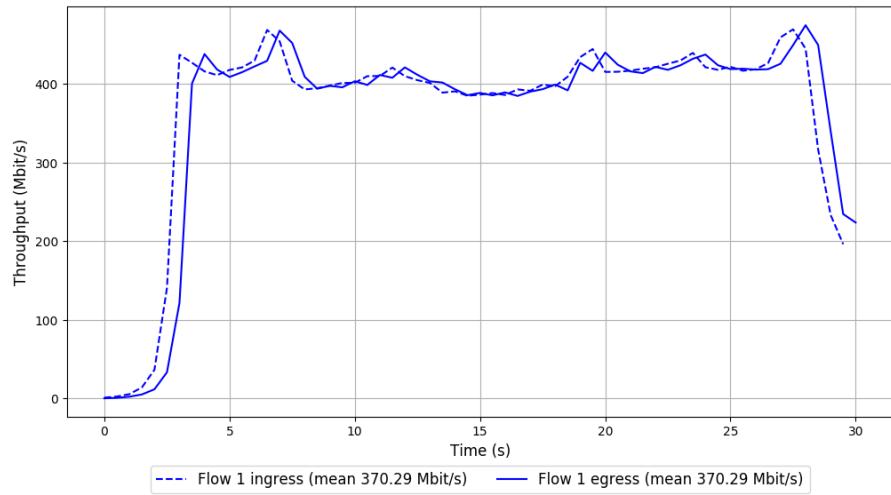


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-25 01:17:00
End at: 2018-05-25 01:17:30
Local clock offset: -0.05 ms
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.29 Mbit/s
95th percentile per-packet one-way delay: 61.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 370.29 Mbit/s
95th percentile per-packet one-way delay: 61.843 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

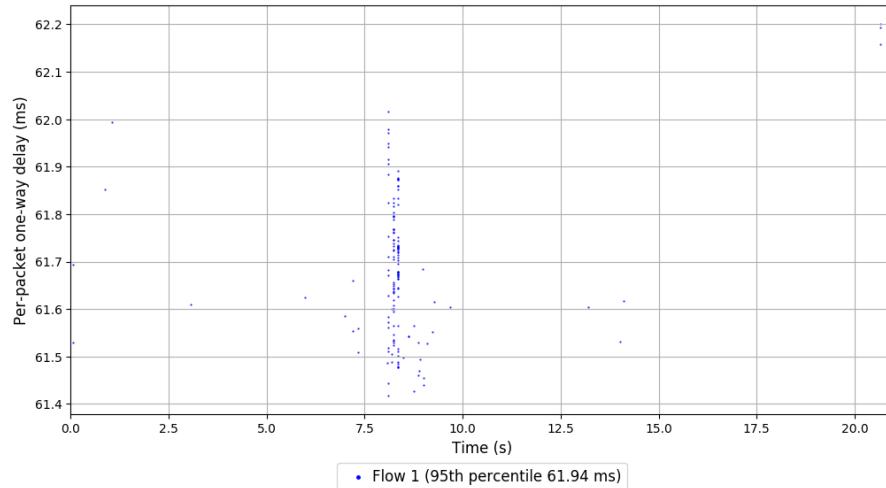
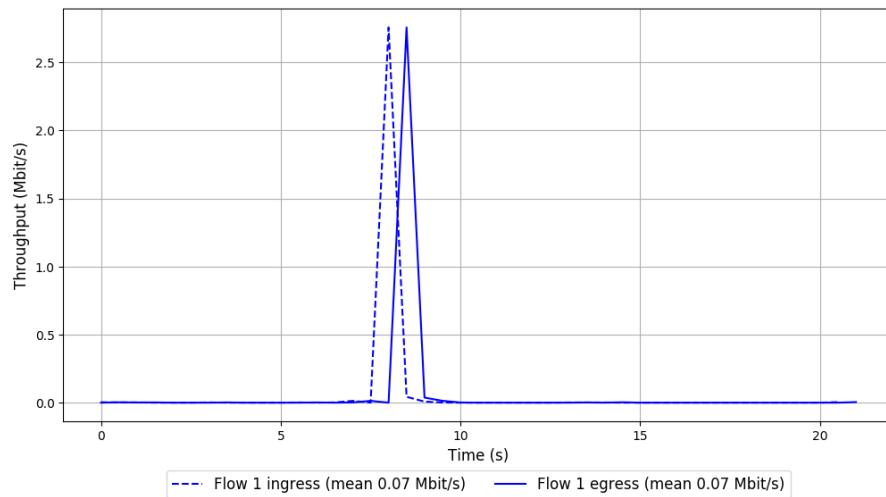
Start at: 2018-05-24 22:04:06

End at: 2018-05-24 22:04:36

Local clock offset: -0.004 ms

Remote clock offset: -0.055 ms

Run 1: Report of WebRTC media — Data Link

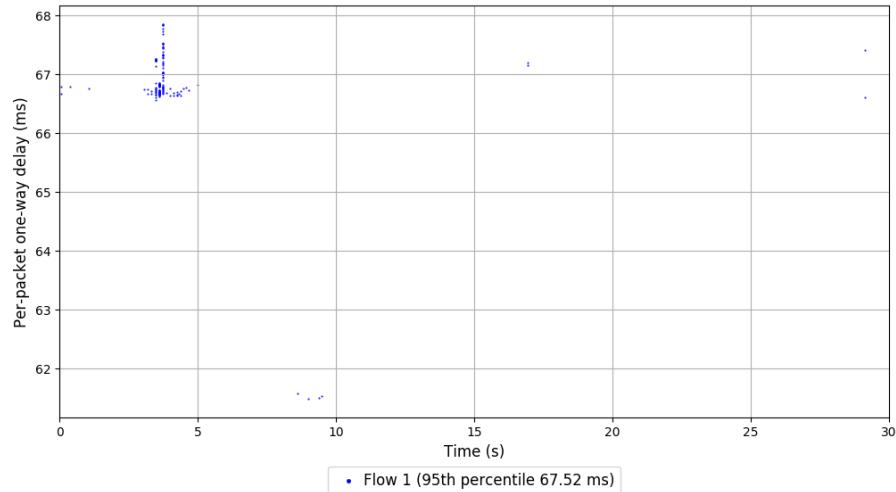
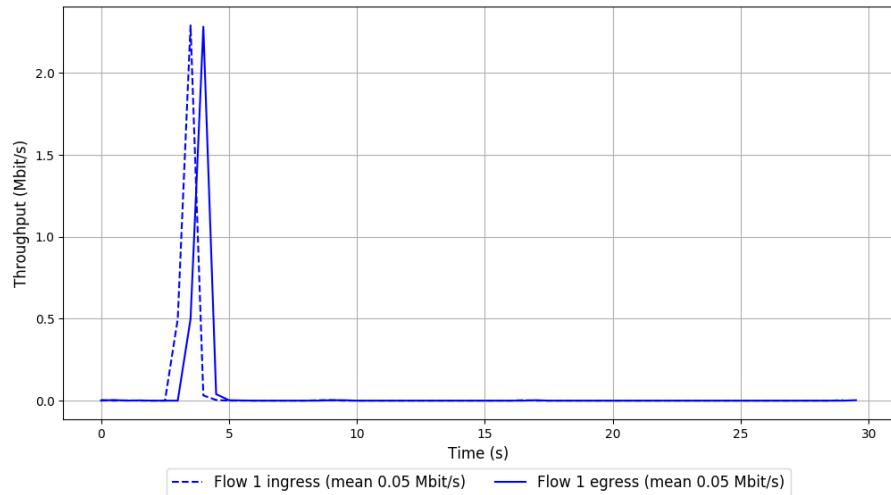


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-24 22:24:16
End at: 2018-05-24 22:24:46
Local clock offset: 0.037 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.516 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

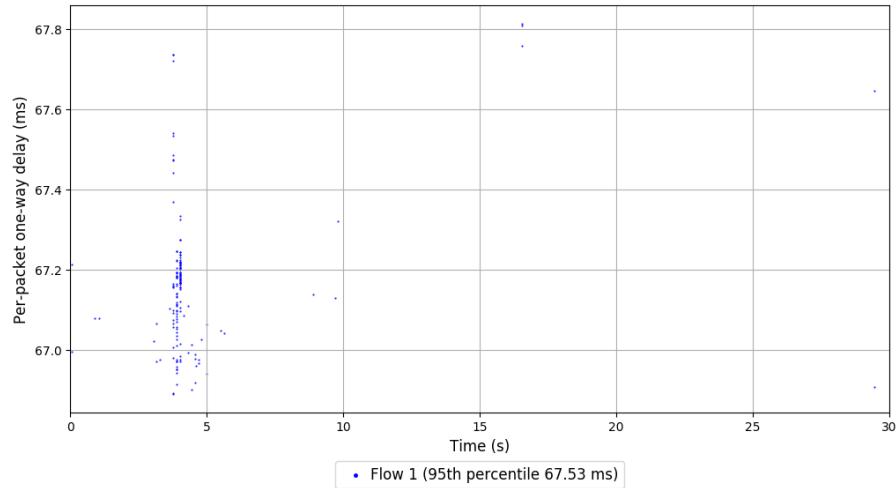
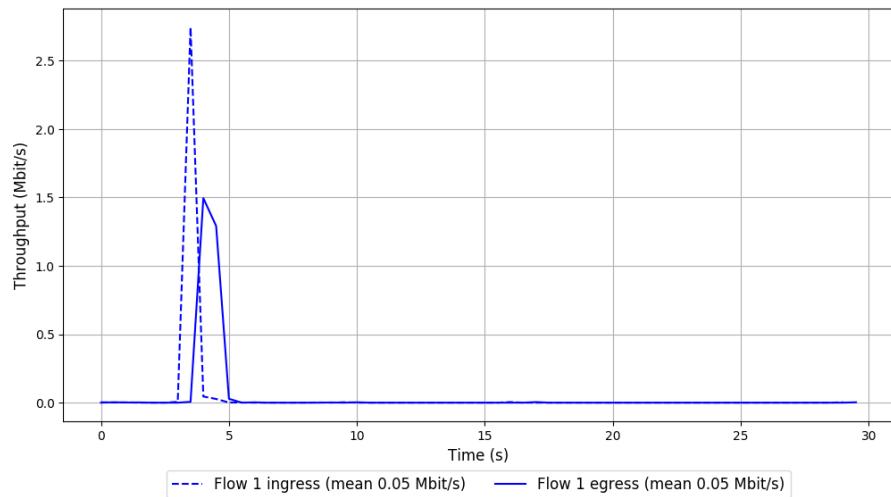


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-24 22:44:18
End at: 2018-05-24 22:44:48
Local clock offset: 0.012 ms
Remote clock offset: 0.309 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.535 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

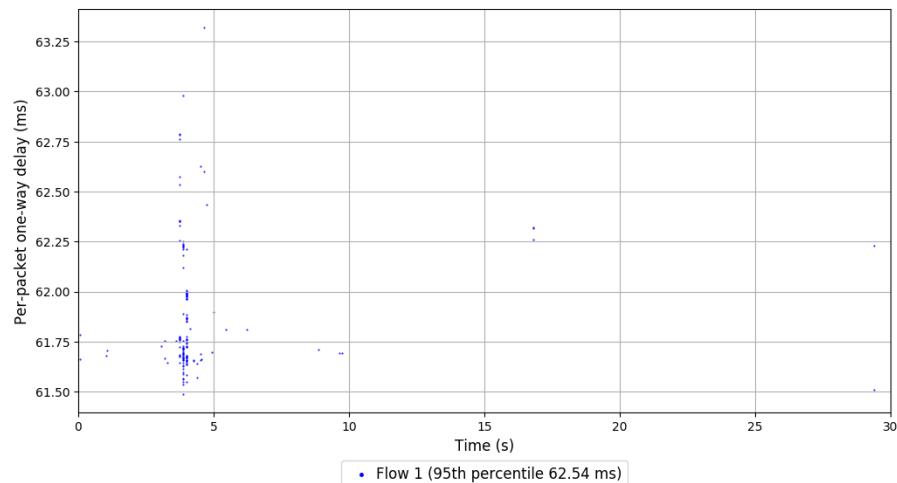
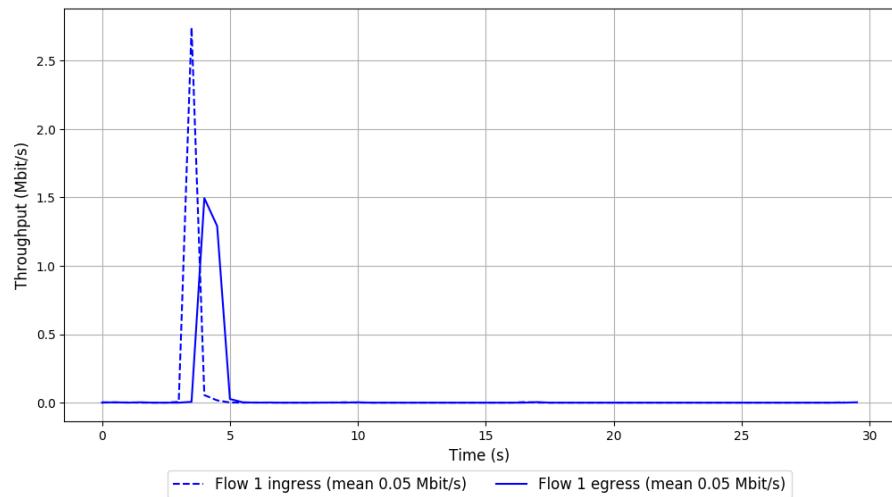


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-24 23:04:28
End at: 2018-05-24 23:04:58
Local clock offset: -0.052 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.537 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

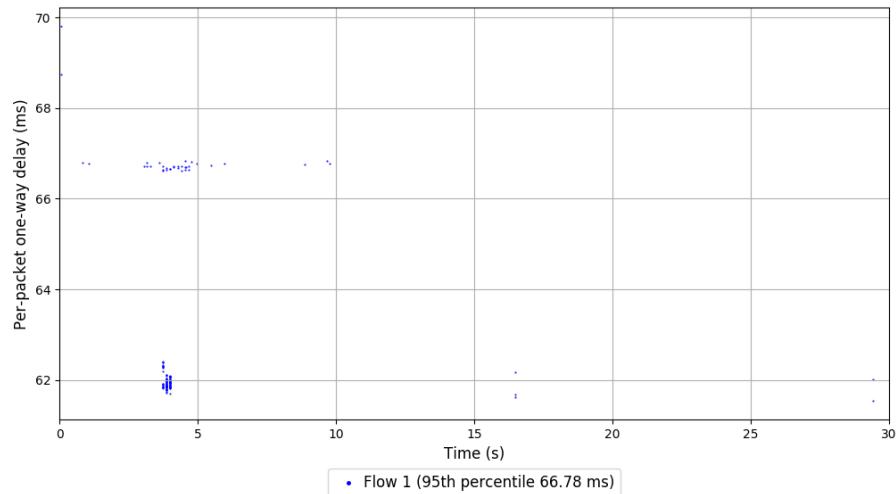
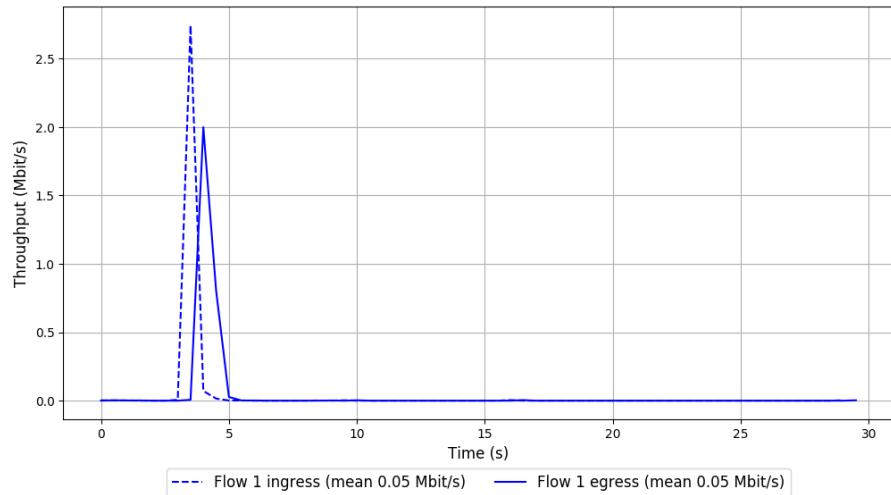


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-24 23:24:46
End at: 2018-05-24 23:25:16
Local clock offset: -0.117 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.780 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

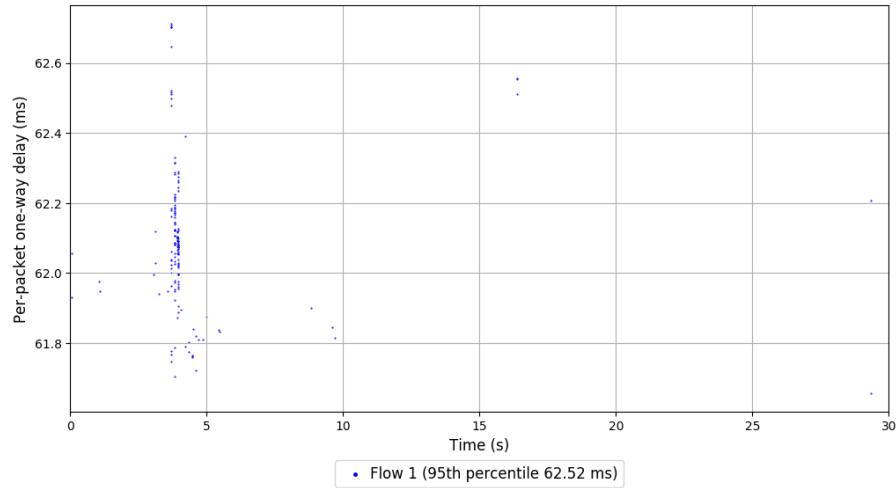
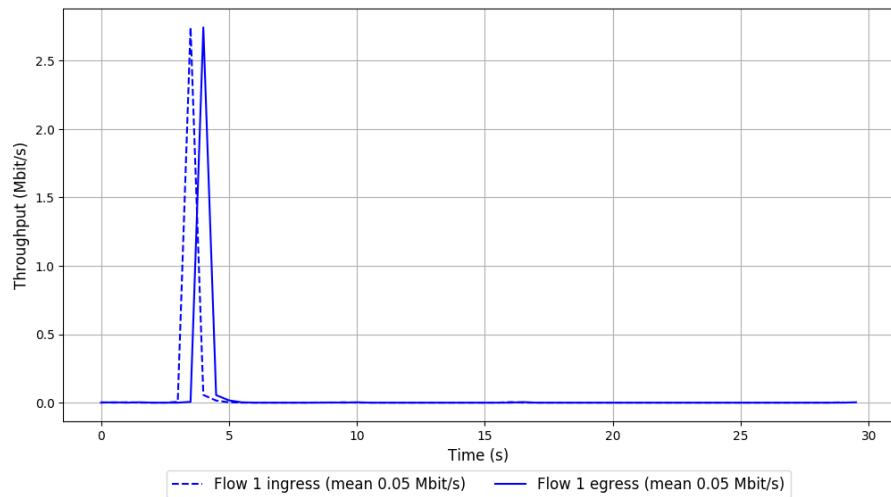


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-24 23:44:59
End at: 2018-05-24 23:45:29
Local clock offset: 0.029 ms
Remote clock offset: 0.279 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.517 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

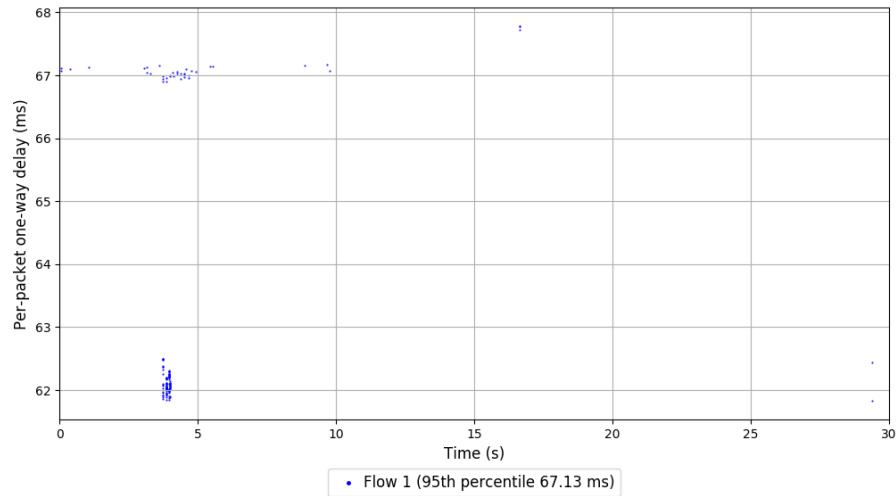
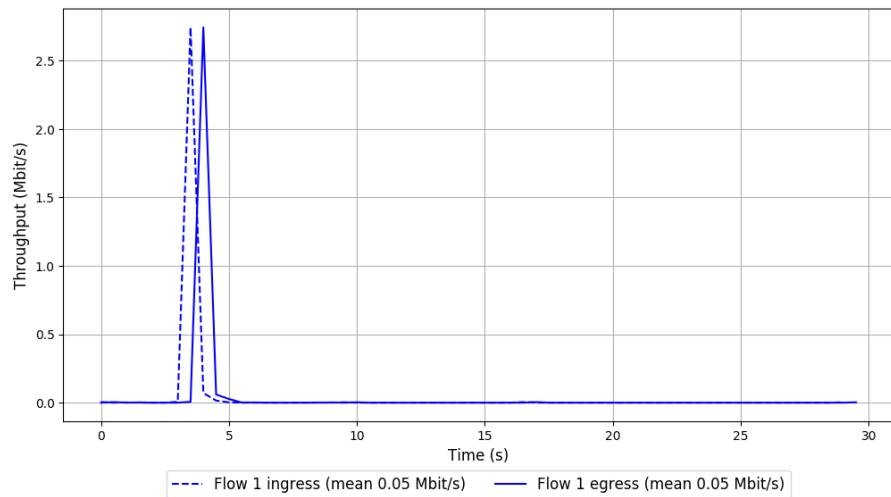


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-25 00:05:13
End at: 2018-05-25 00:05:43
Local clock offset: 0.074 ms
Remote clock offset: 0.375 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.133 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

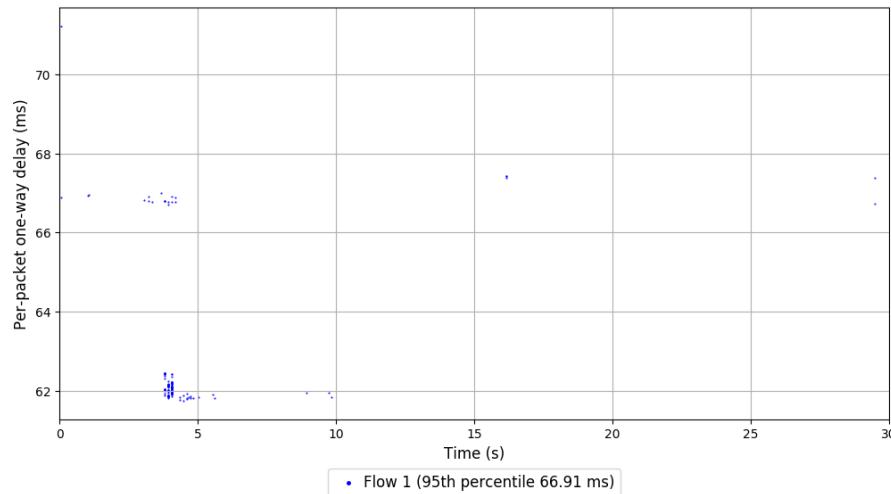
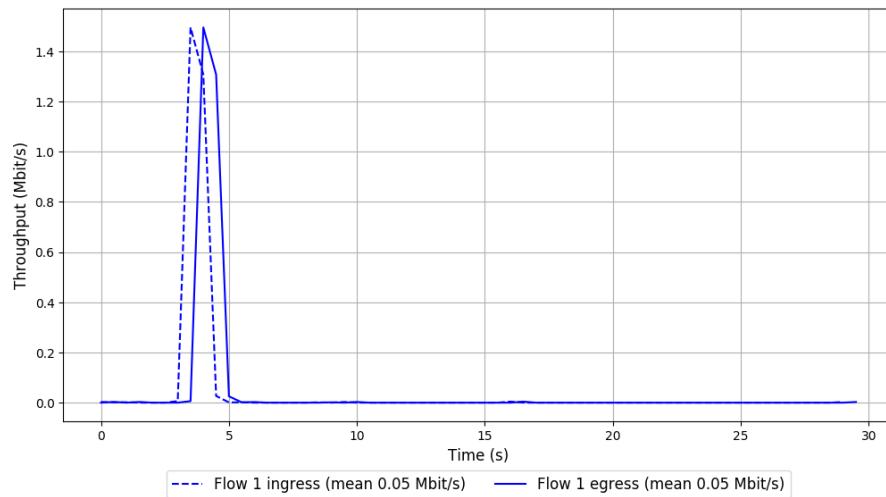


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-25 00:25:08
End at: 2018-05-25 00:25:38
Local clock offset: -0.054 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.910 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

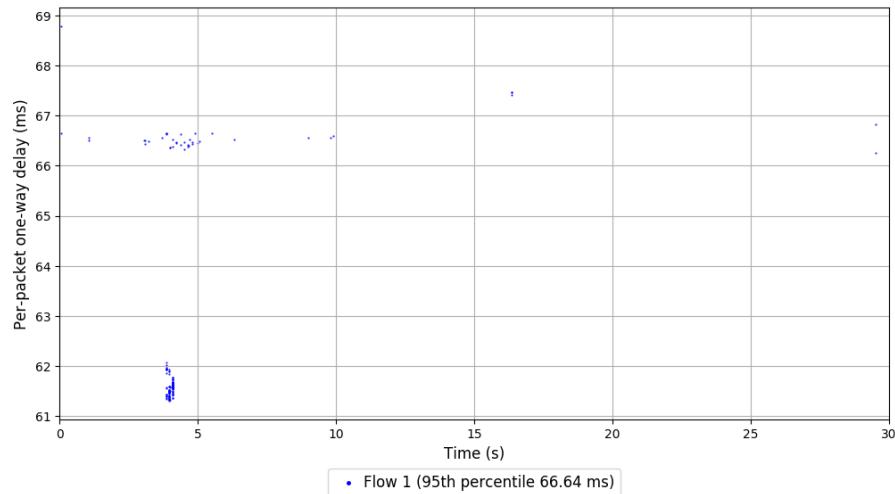
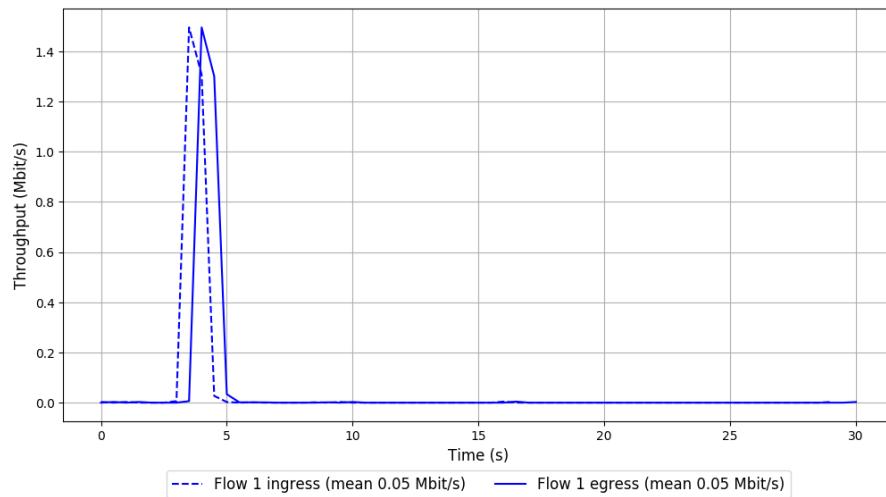


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-25 00:44:47
End at: 2018-05-25 00:45:17
Local clock offset: -0.032 ms
Remote clock offset: -0.261 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.640 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-25 01:04:59
End at: 2018-05-25 01:05:29
Local clock offset: -0.039 ms
Remote clock offset: -0.318 ms

# Below is generated by plot.py at 2018-05-25 02:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.620 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

