

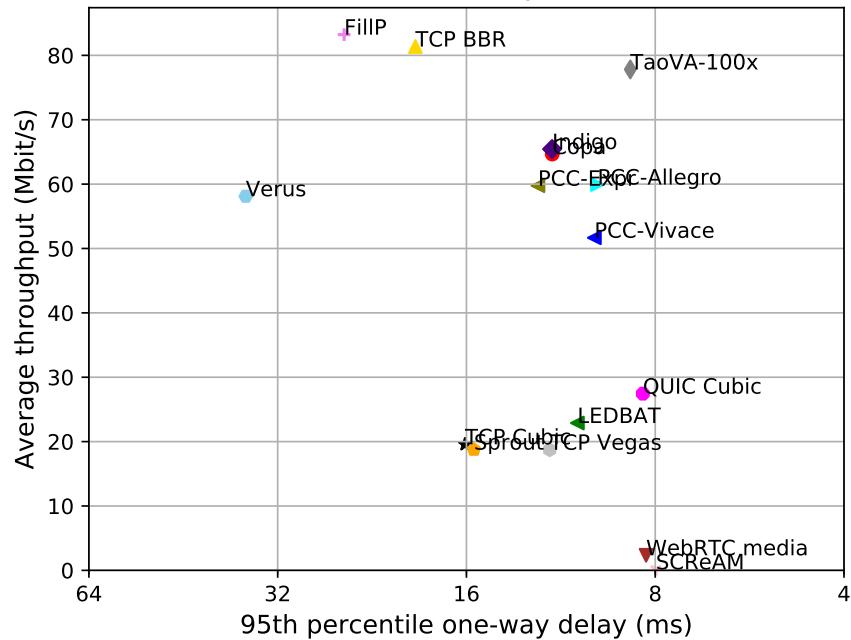
## Pantheon Report

Generated at 2018-06-29 16:19:02 (UTC).  
Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).  
Repeated the test of 17 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

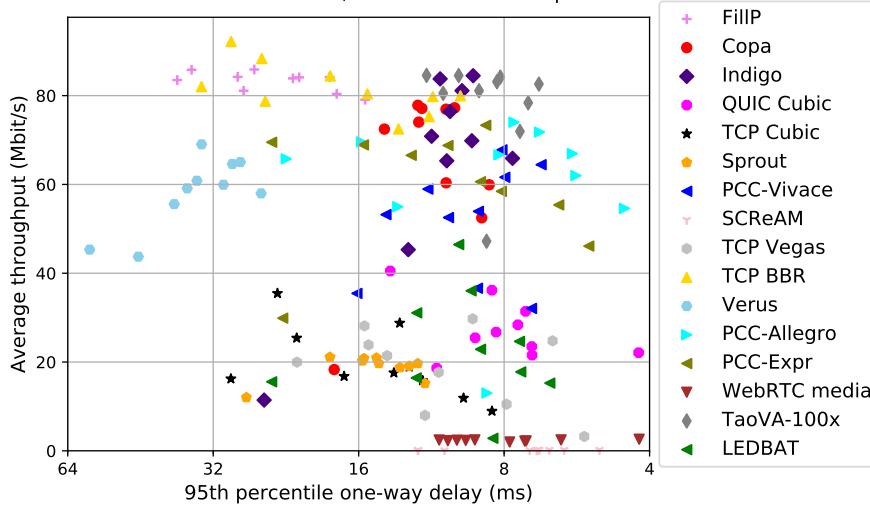
Git summary:

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

test from AWS India 1 to India, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS India 1 to India, 10 runs of 30s each per scheme



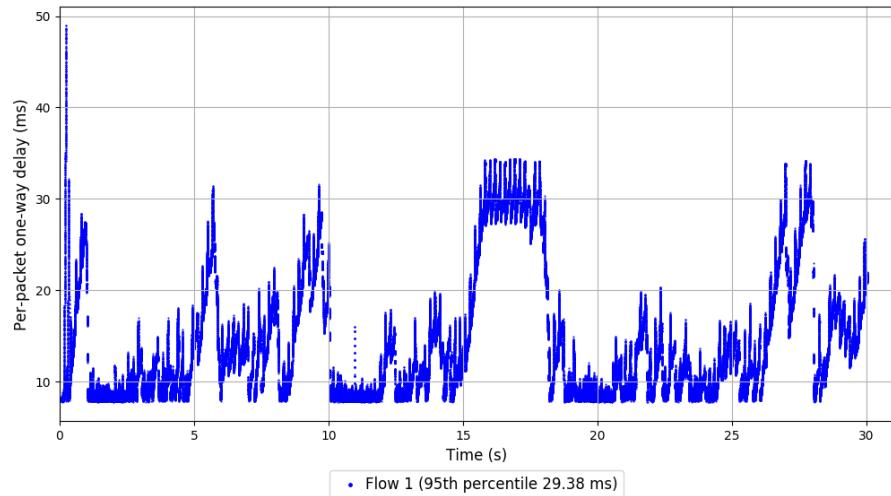
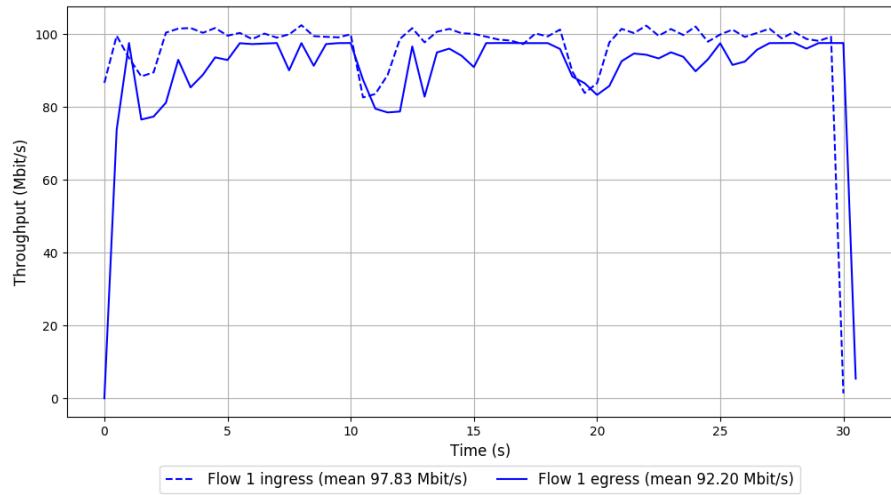
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	81.37	19.30	10.30
Copa	10	64.67	11.68	8.50
TCP Cubic	10	19.58	16.09	0.36
FillP	10	83.22	25.07	13.37
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	65.44	11.68	8.07
LEDBAT	10	22.89	10.65	0.85
PCC-Allegro	10	59.93	9.89	6.85
PCC-Expr	10	59.75	12.31	7.92
QUIC Cubic	10	27.45	8.37	1.41
SCReAM	10	0.17	7.98	0.33
Sprout	10	18.75	15.57	1.37
TaoVA-100x	10	77.81	8.77	9.92
TCP Vegas	10	18.73	11.79	1.12
Verus	10	58.11	35.98	19.39
PCC-Vivace	10	51.66	10.00	5.34
WebRTC media	10	2.34	8.27	0.33

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-29 13:06:28
End at: 2018-06-29 13:06:58
Local clock offset: -0.217 ms
Remote clock offset: -7.043 ms

# Below is generated by plot.py at 2018-06-29 16:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 29.381 ms
Loss rate: 5.72%
-- Flow 1:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 29.381 ms
Loss rate: 5.72%
```

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

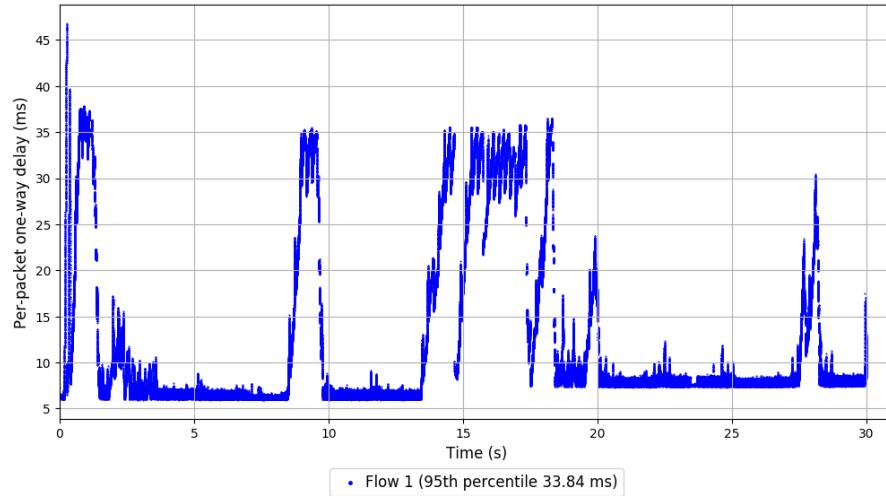
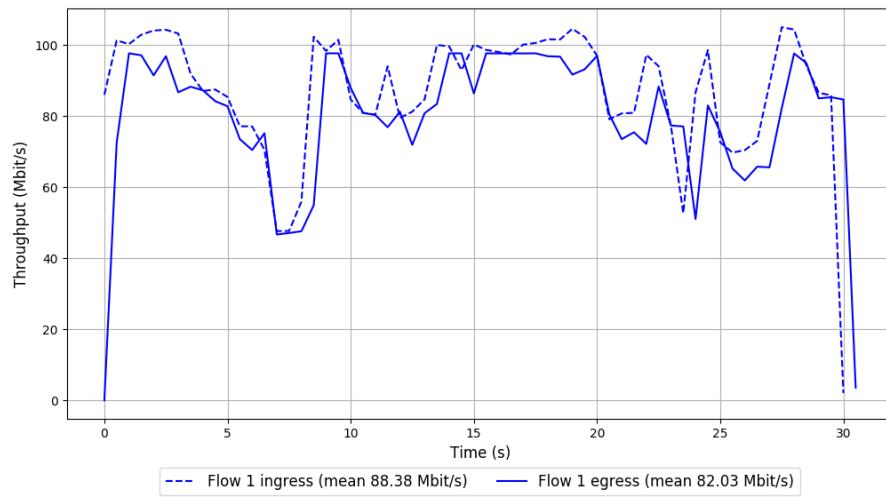


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-29 13:25:50
End at: 2018-06-29 13:26:20
Local clock offset: 0.943 ms
Remote clock offset: -6.624 ms

# Below is generated by plot.py at 2018-06-29 16:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 33.836 ms
Loss rate: 7.19%
-- Flow 1:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 33.836 ms
Loss rate: 7.19%
```

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

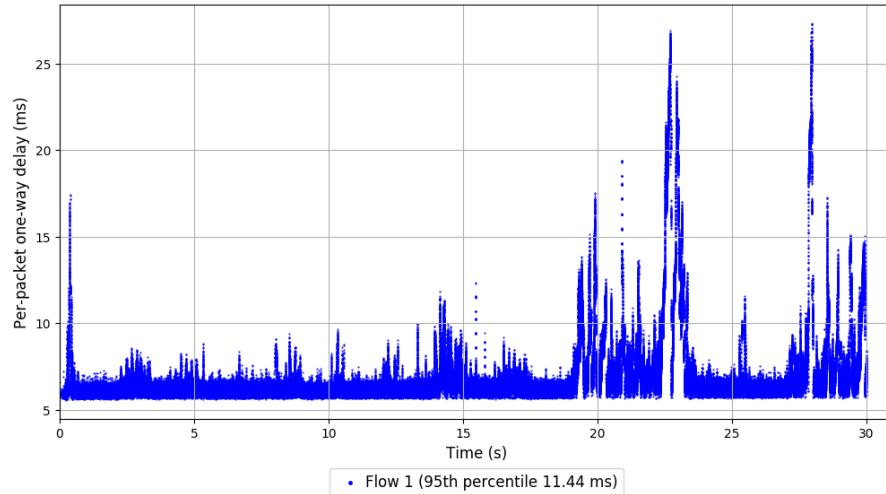
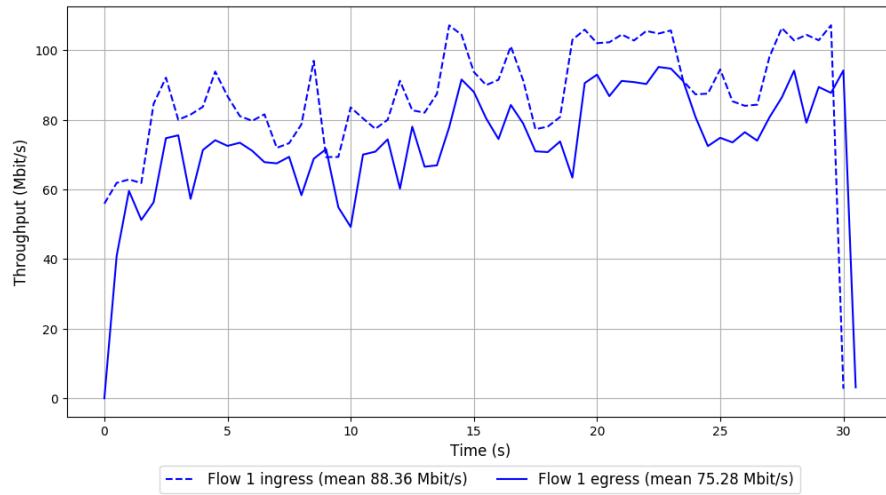


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-29 13:45:03
End at: 2018-06-29 13:45:33
Local clock offset: 2.764 ms
Remote clock offset: -11.926 ms

# Below is generated by plot.py at 2018-06-29 16:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 11.439 ms
Loss rate: 14.80%
-- Flow 1:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 11.439 ms
Loss rate: 14.80%
```

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

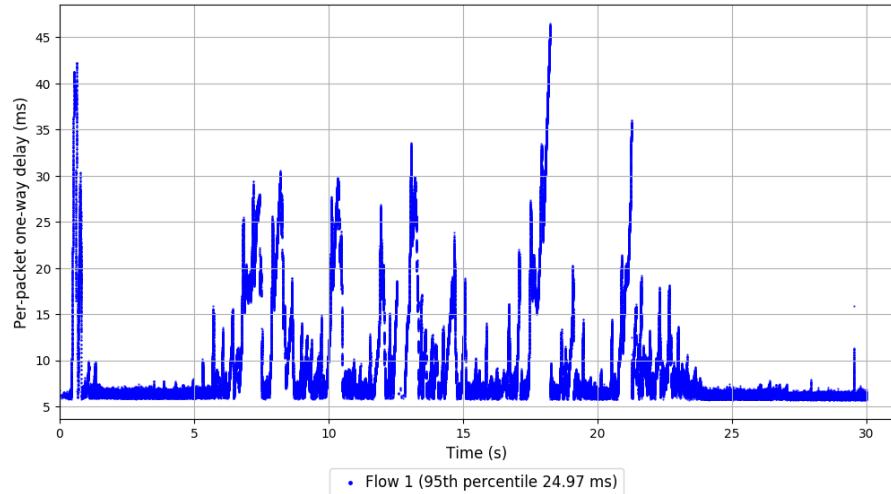
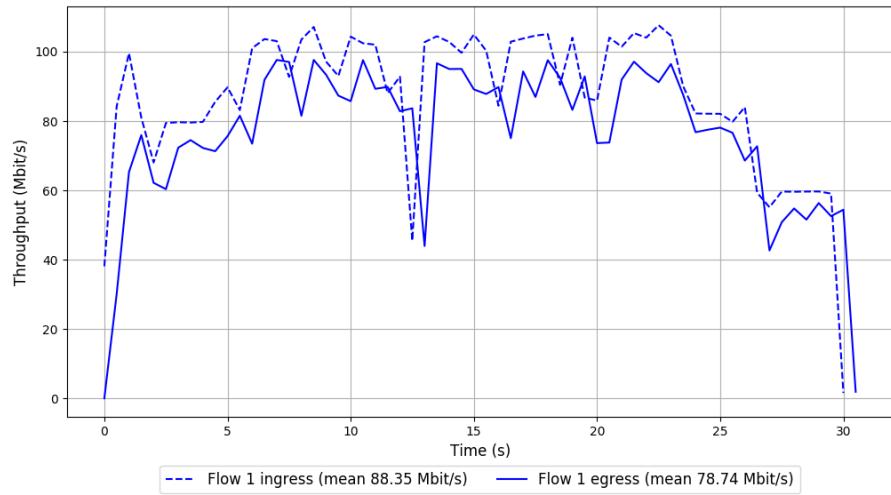


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-29 14:04:12
End at: 2018-06-29 14:04:42
Local clock offset: 2.956 ms
Remote clock offset: -13.878 ms

# Below is generated by plot.py at 2018-06-29 16:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 24.968 ms
Loss rate: 10.88%
-- Flow 1:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 24.968 ms
Loss rate: 10.88%
```

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

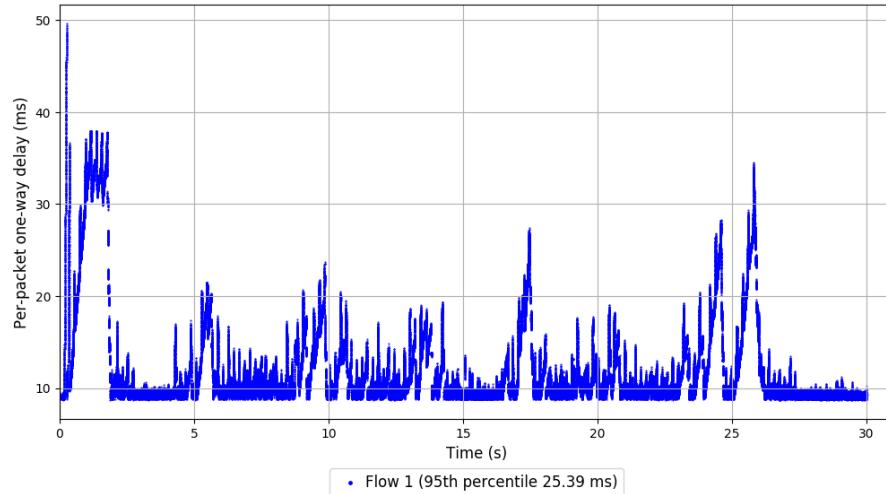
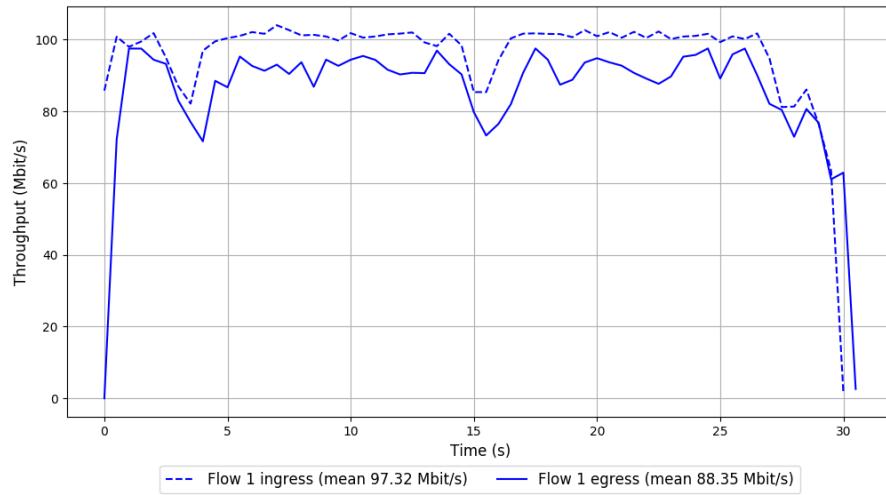


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-29 14:23:38
End at: 2018-06-29 14:24:08
Local clock offset: 0.264 ms
Remote clock offset: -11.886 ms

# Below is generated by plot.py at 2018-06-29 16:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 25.386 ms
Loss rate: 9.22%
-- Flow 1:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 25.386 ms
Loss rate: 9.22%
```

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

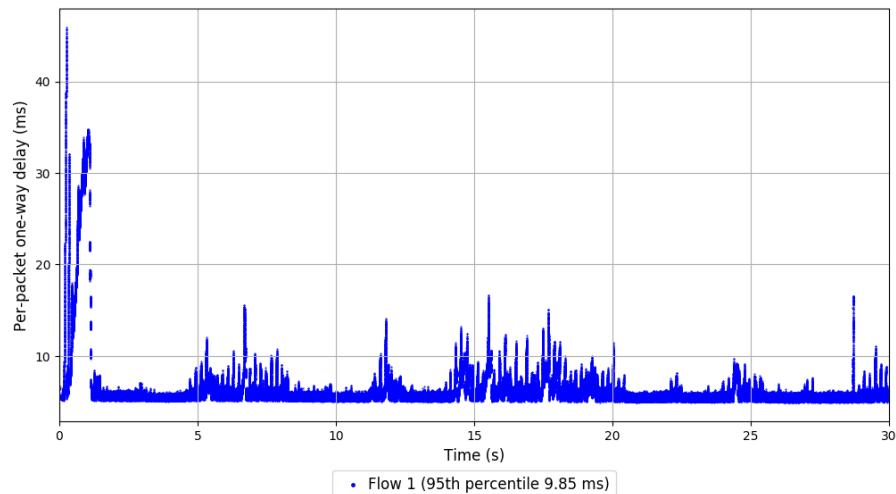
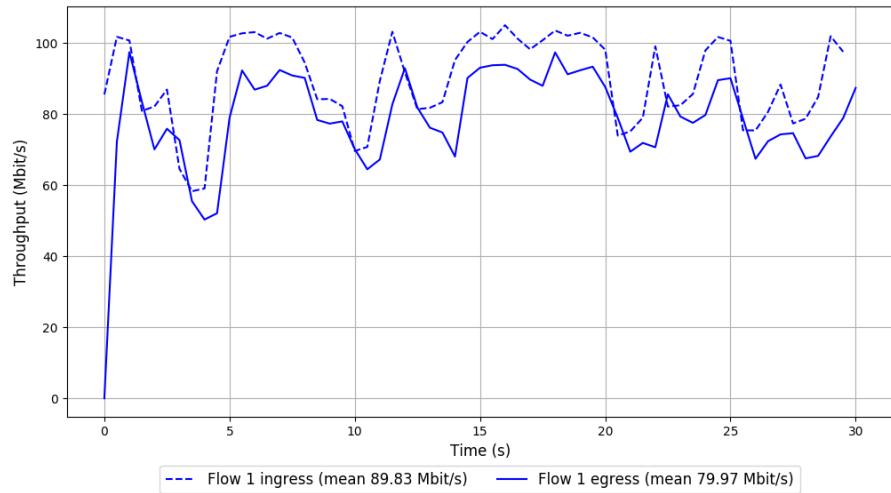


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-29 14:42:54
End at: 2018-06-29 14:43:24
Local clock offset: 4.066 ms
Remote clock offset: -7.057 ms

# Below is generated by plot.py at 2018-06-29 16:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.97 Mbit/s
95th percentile per-packet one-way delay: 9.851 ms
Loss rate: 10.98%
-- Flow 1:
Average throughput: 79.97 Mbit/s
95th percentile per-packet one-way delay: 9.851 ms
Loss rate: 10.98%
```

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

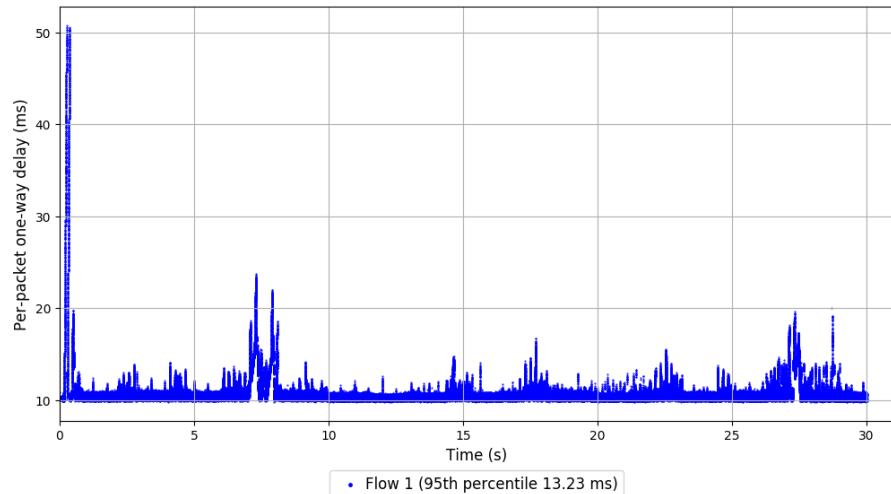
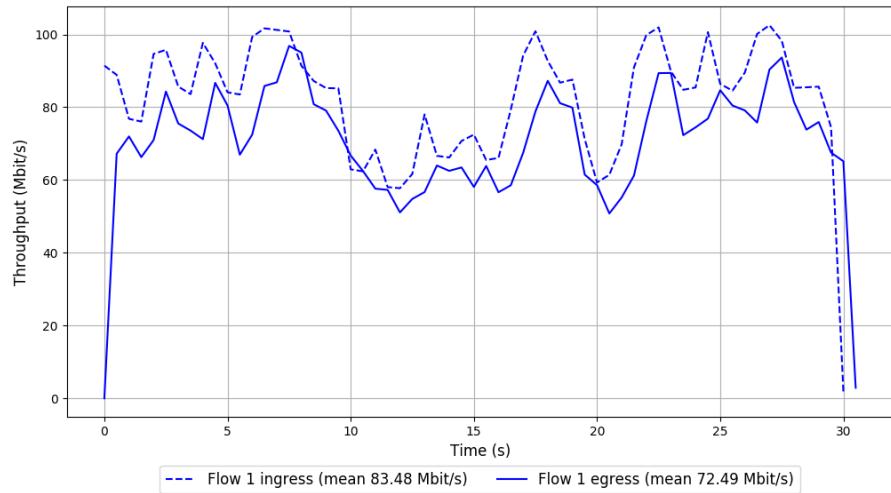


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-29 15:02:22
End at: 2018-06-29 15:02:52
Local clock offset: -0.877 ms
Remote clock offset: -2.894 ms

# Below is generated by plot.py at 2018-06-29 16:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 13.232 ms
Loss rate: 13.16%
-- Flow 1:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 13.232 ms
Loss rate: 13.16%
```

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

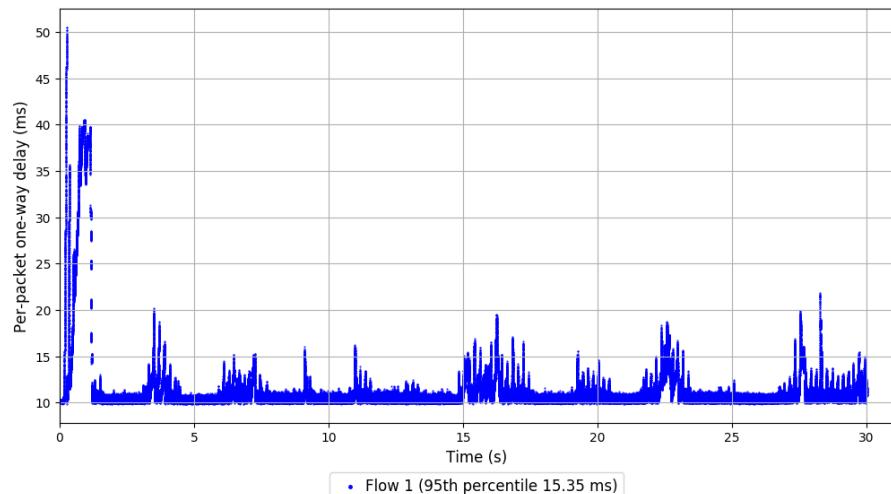
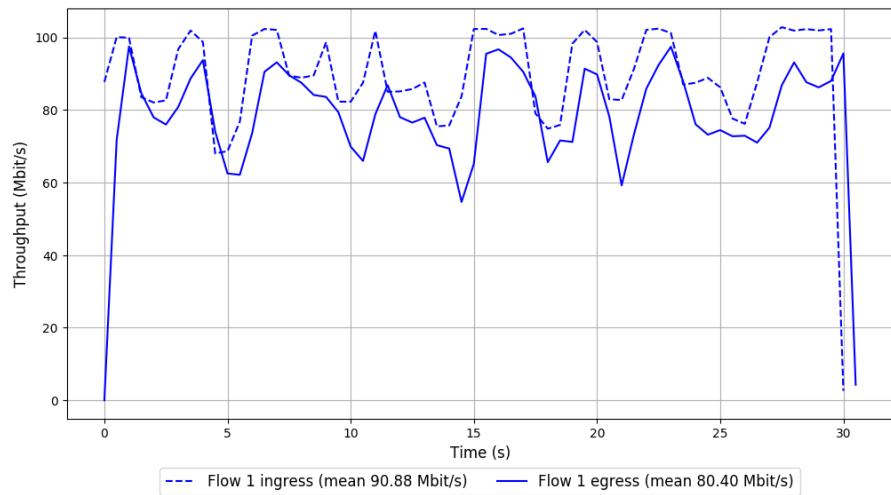


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-29 15:21:55
End at: 2018-06-29 15:22:26
Local clock offset: -0.886 ms
Remote clock offset: -5.102 ms

# Below is generated by plot.py at 2018-06-29 16:04:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 15.347 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 15.347 ms
Loss rate: 11.53%
```

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

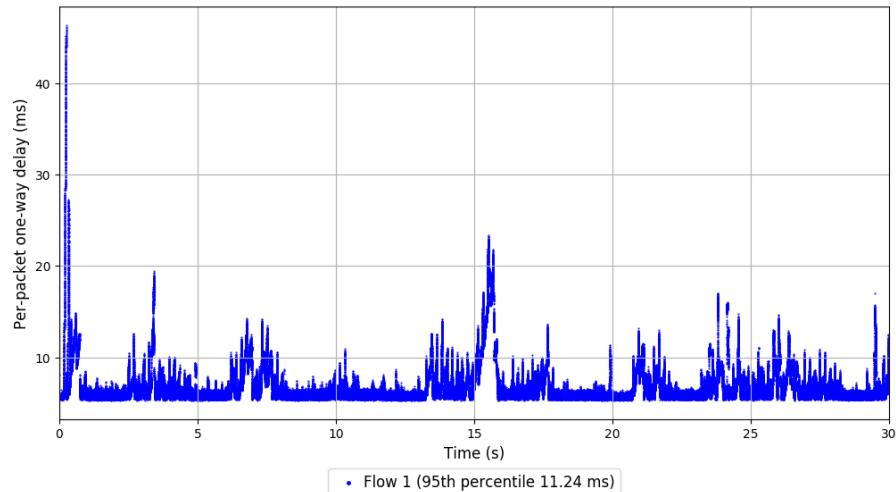
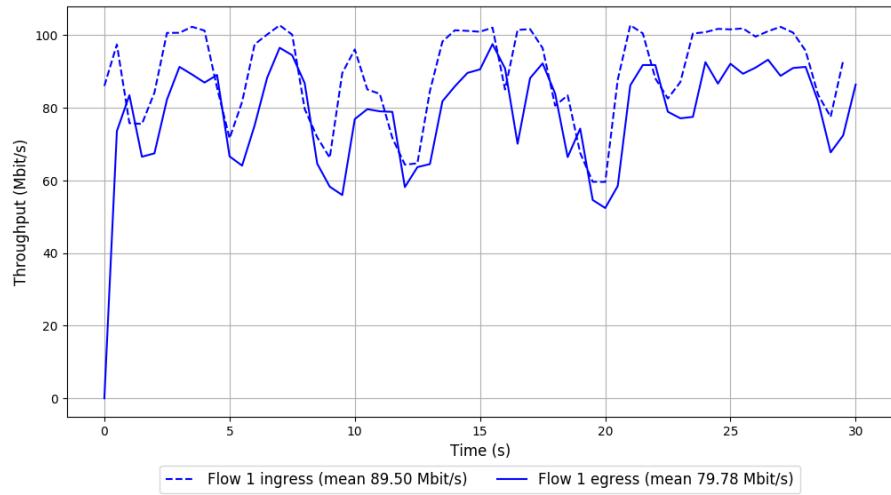


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-29 15:41:32
End at: 2018-06-29 15:42:02
Local clock offset: 2.09 ms
Remote clock offset: -5.614 ms

# Below is generated by plot.py at 2018-06-29 16:05:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 11.237 ms
Loss rate: 10.86%
-- Flow 1:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 11.237 ms
Loss rate: 10.86%
```

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

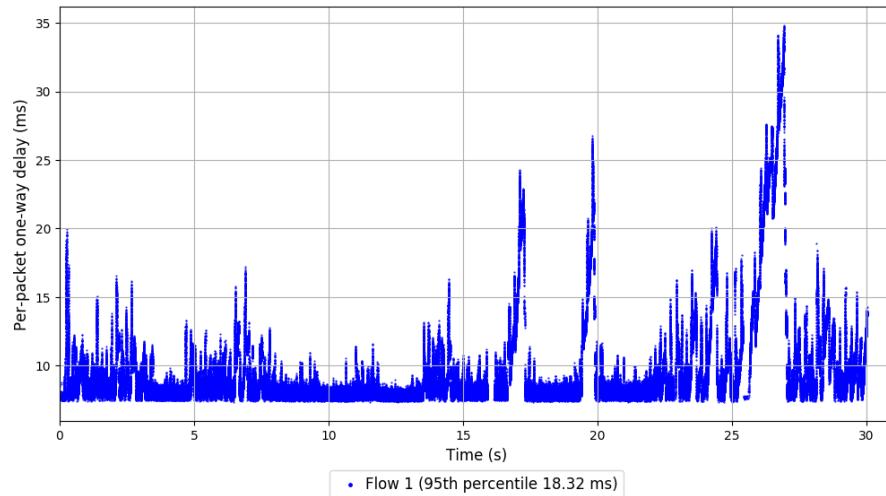
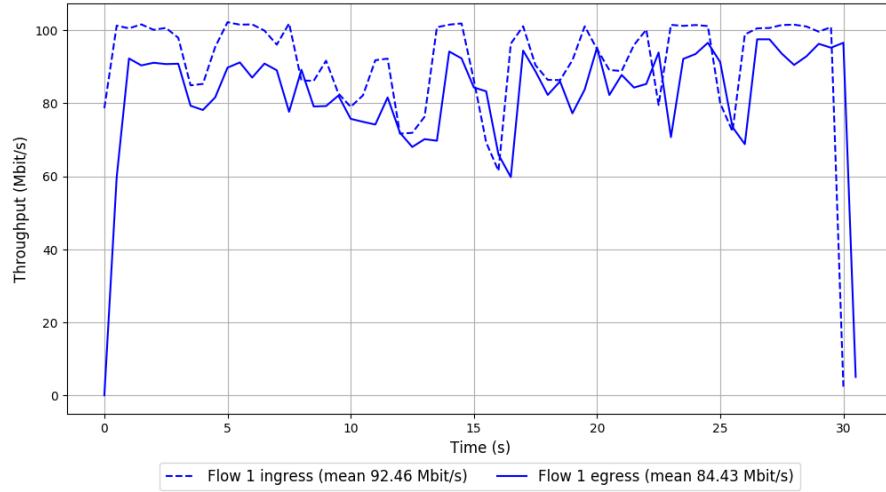


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-29 16:00:51
End at: 2018-06-29 16:01:21
Local clock offset: 0.32 ms
Remote clock offset: -2.211 ms

# Below is generated by plot.py at 2018-06-29 16:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 8.67%
```

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

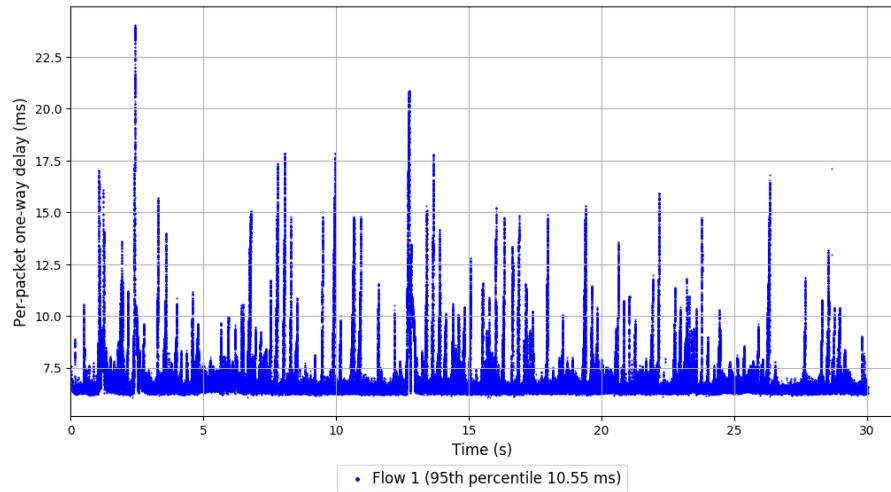
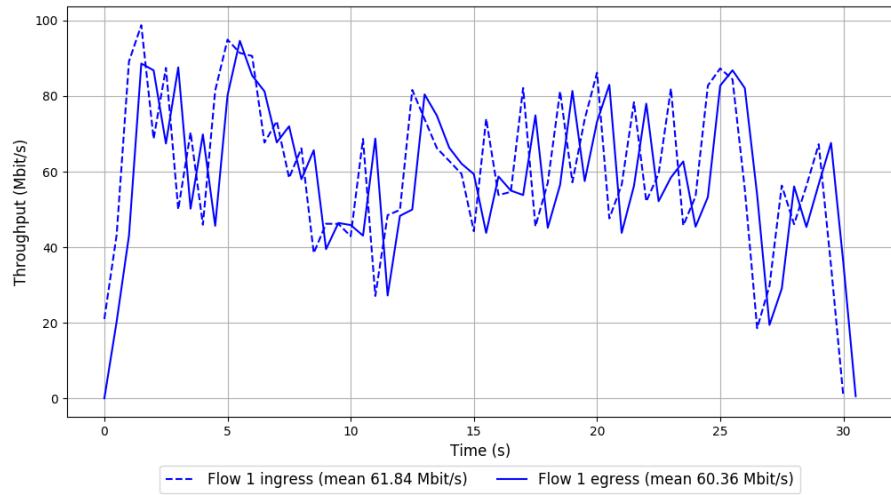


Run 1: Statistics of Copa

```
Start at: 2018-06-29 12:56:25
End at: 2018-06-29 12:56:56
Local clock offset: 0.855 ms
Remote clock offset: -8.025 ms

# Below is generated by plot.py at 2018-06-29 16:05:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 10.548 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 10.548 ms
Loss rate: 2.41%
```

### Run 1: Report of Copa — Data Link

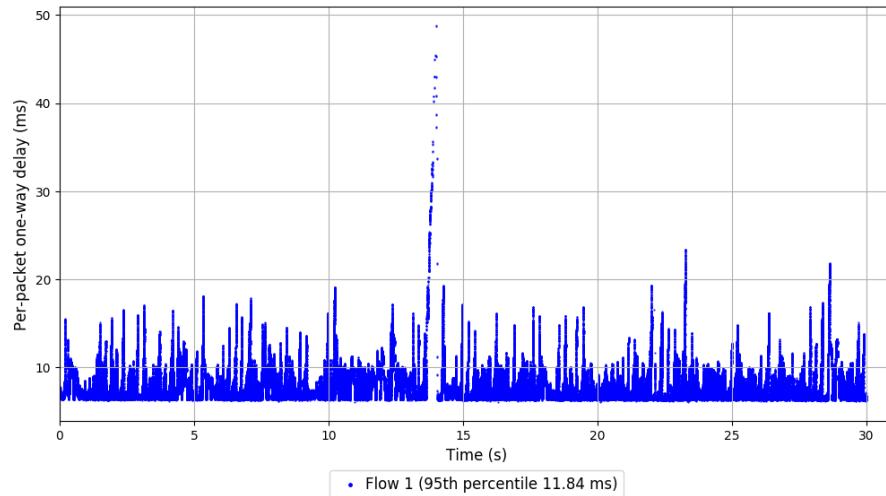
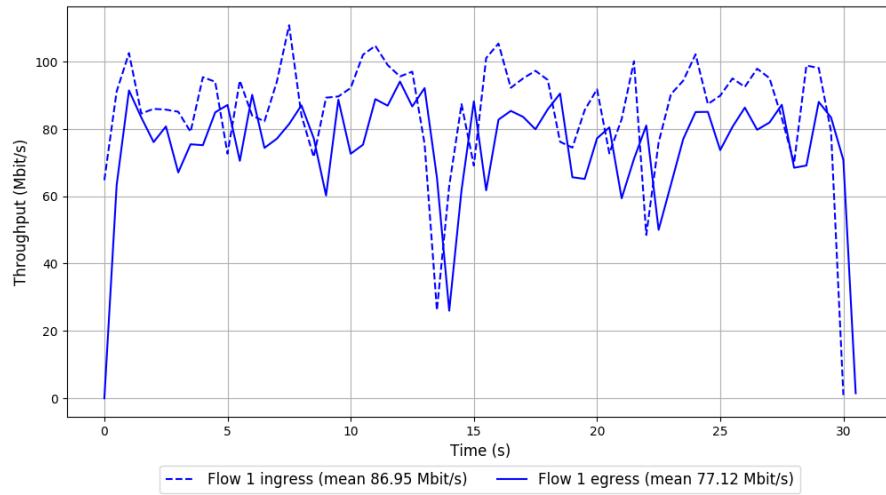


Run 2: Statistics of Copa

```
Start at: 2018-06-29 13:15:34
End at: 2018-06-29 13:16:04
Local clock offset: 1.764 ms
Remote clock offset: -6.163 ms

# Below is generated by plot.py at 2018-06-29 16:06:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 11.840 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 11.840 ms
Loss rate: 11.30%
```

## Run 2: Report of Copa — Data Link

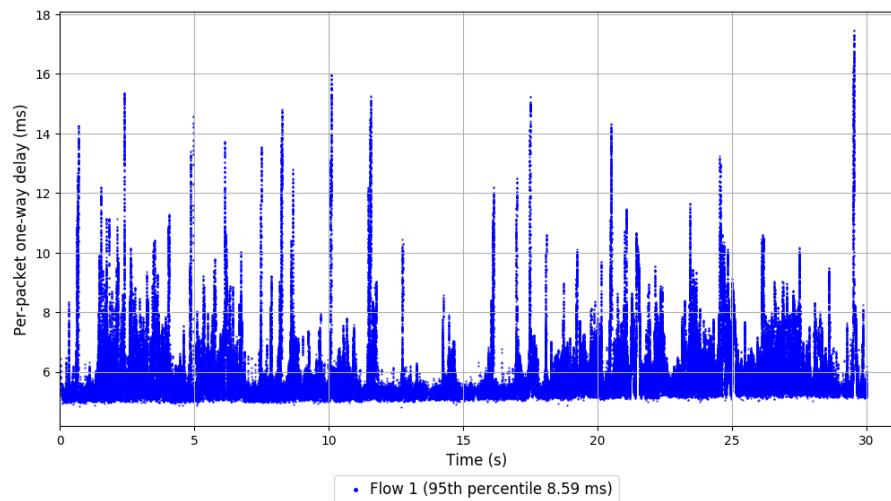
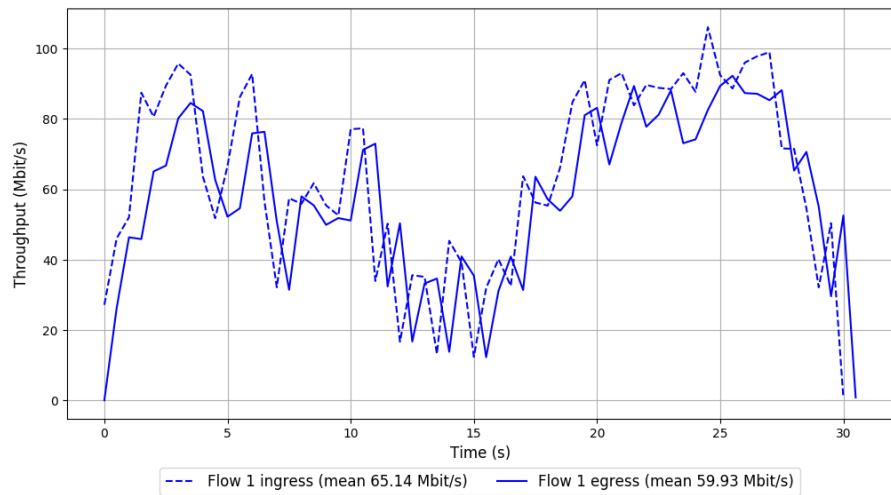


Run 3: Statistics of Copa

```
Start at: 2018-06-29 13:34:57
End at: 2018-06-29 13:35:27
Local clock offset: -1.258 ms
Remote clock offset: -13.377 ms

# Below is generated by plot.py at 2018-06-29 16:06:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 8.591 ms
Loss rate: 8.01%
-- Flow 1:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 8.591 ms
Loss rate: 8.01%
```

### Run 3: Report of Copa — Data Link

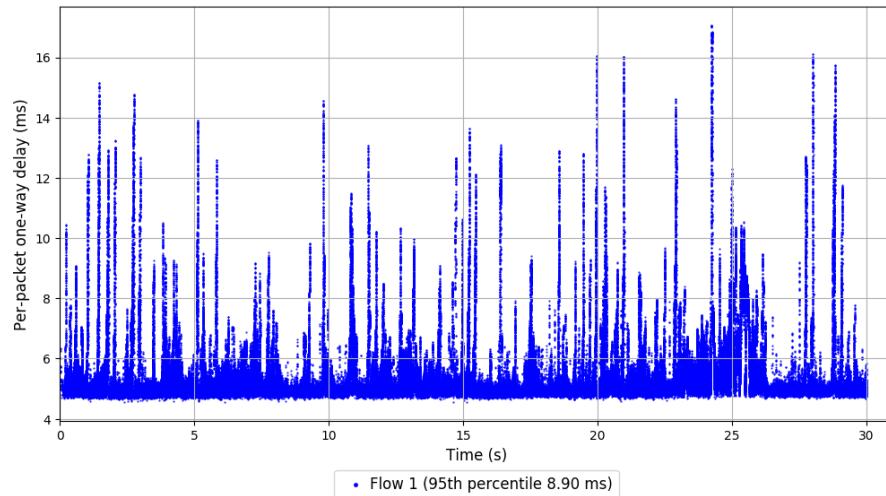
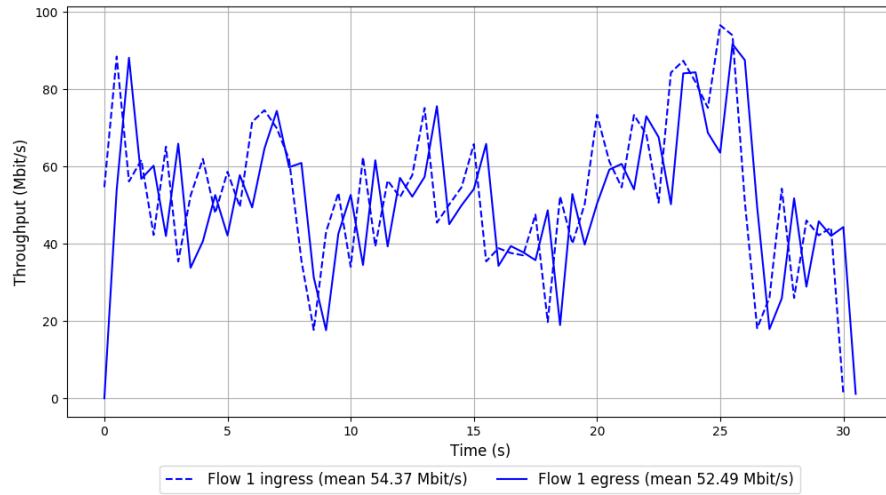


Run 4: Statistics of Copa

```
Start at: 2018-06-29 13:54:10
End at: 2018-06-29 13:54:40
Local clock offset: 2.861 ms
Remote clock offset: -14.204 ms

# Below is generated by plot.py at 2018-06-29 16:06:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 8.901 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 8.901 ms
Loss rate: 3.46%
```

### Run 4: Report of Copa — Data Link

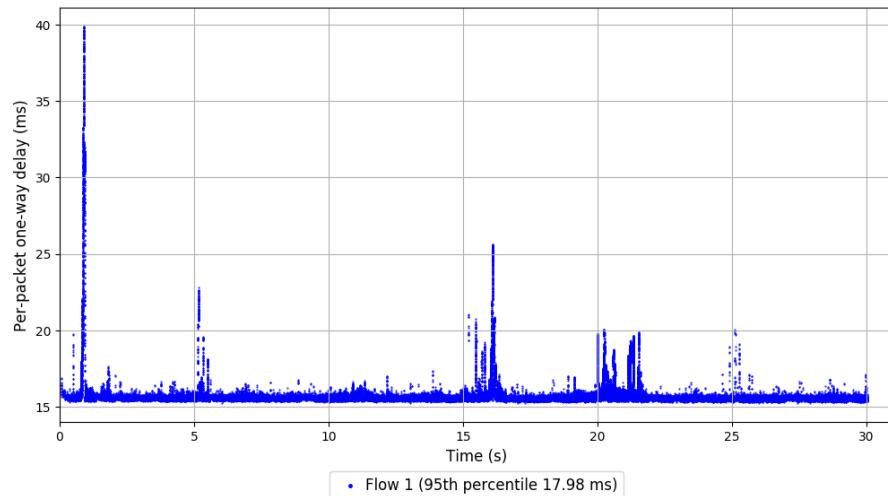
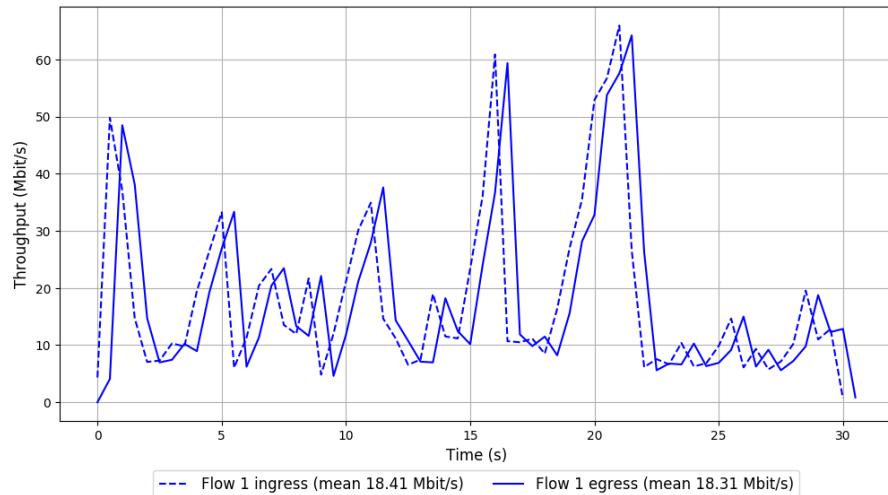


Run 5: Statistics of Copa

```
Start at: 2018-06-29 14:13:24
End at: 2018-06-29 14:13:54
Local clock offset: 1.059 ms
Remote clock offset: -2.796 ms

# Below is generated by plot.py at 2018-06-29 16:06:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 17.978 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 17.978 ms
Loss rate: 0.54%
```

## Run 5: Report of Copa — Data Link

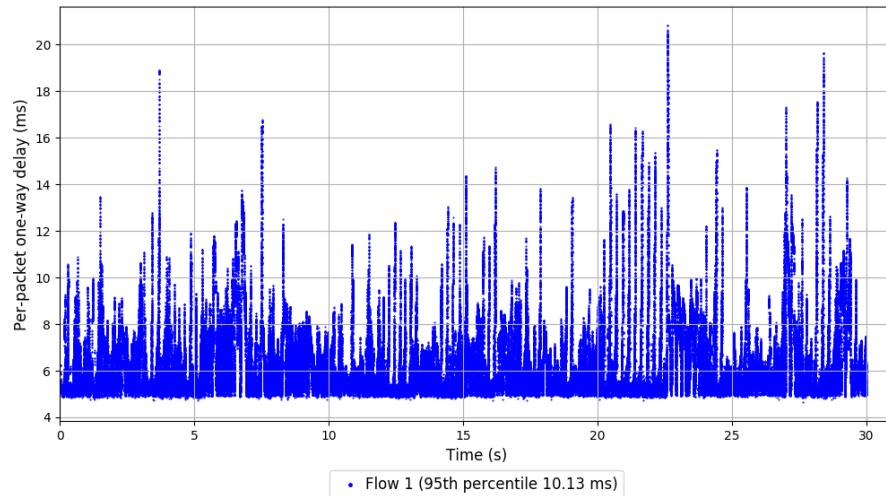
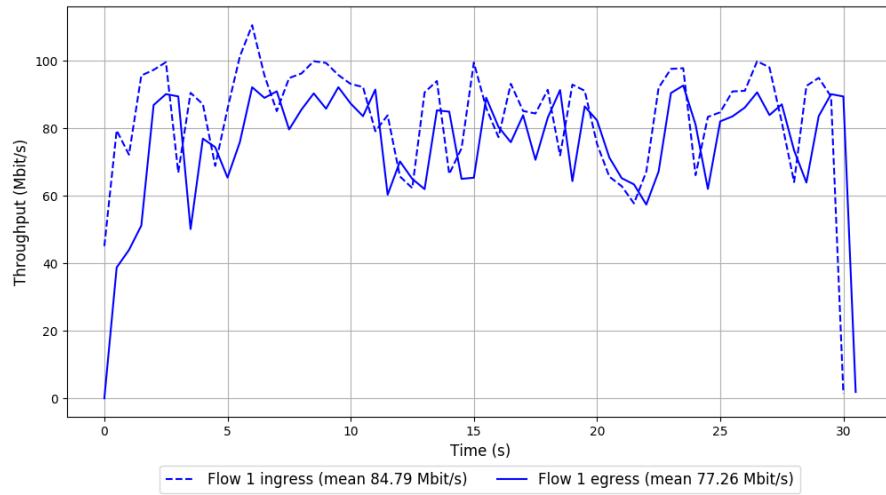


Run 6: Statistics of Copa

```
Start at: 2018-06-29 14:32:46
End at: 2018-06-29 14:33:16
Local clock offset: 3.756 ms
Remote clock offset: -10.805 ms

# Below is generated by plot.py at 2018-06-29 16:06:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.26 Mbit/s
95th percentile per-packet one-way delay: 10.127 ms
Loss rate: 8.88%
-- Flow 1:
Average throughput: 77.26 Mbit/s
95th percentile per-packet one-way delay: 10.127 ms
Loss rate: 8.88%
```

## Run 6: Report of Copa — Data Link

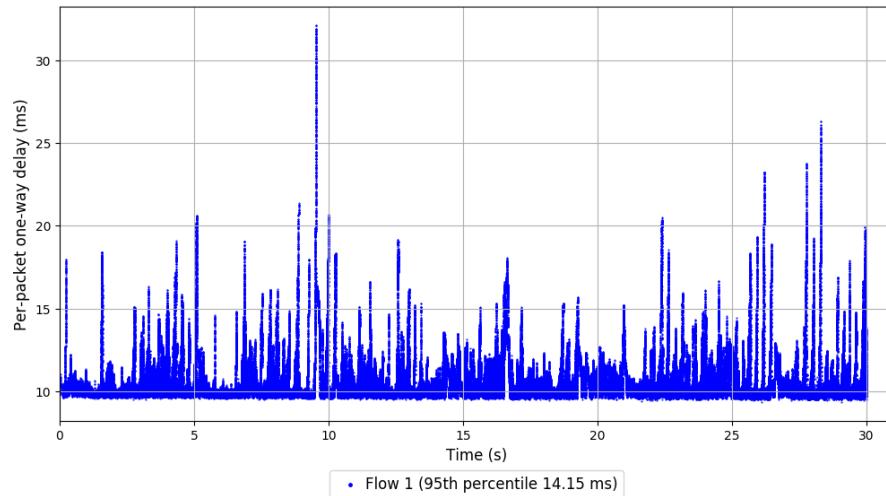
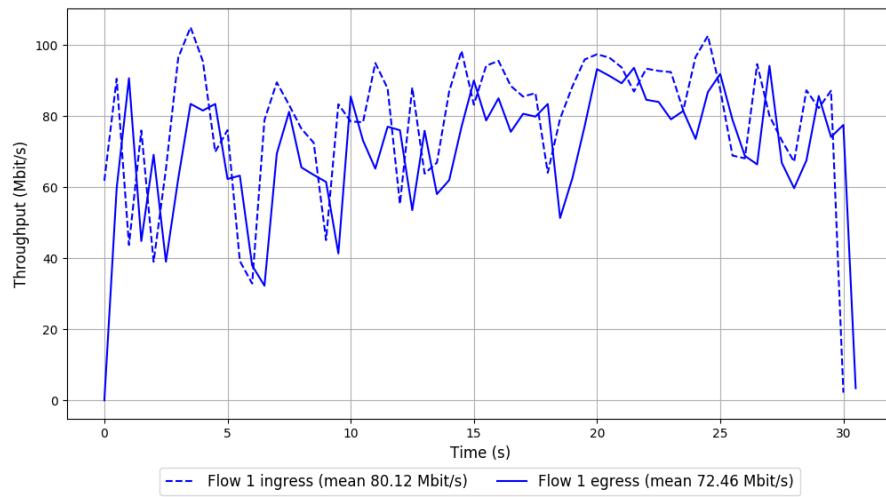


Run 7: Statistics of Copa

```
Start at: 2018-06-29 14:52:01
End at: 2018-06-29 14:52:31
Local clock offset: 0.217 ms
Remote clock offset: -3.761 ms

# Below is generated by plot.py at 2018-06-29 16:06:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 14.154 ms
Loss rate: 9.56%
-- Flow 1:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 14.154 ms
Loss rate: 9.56%
```

### Run 7: Report of Copa — Data Link

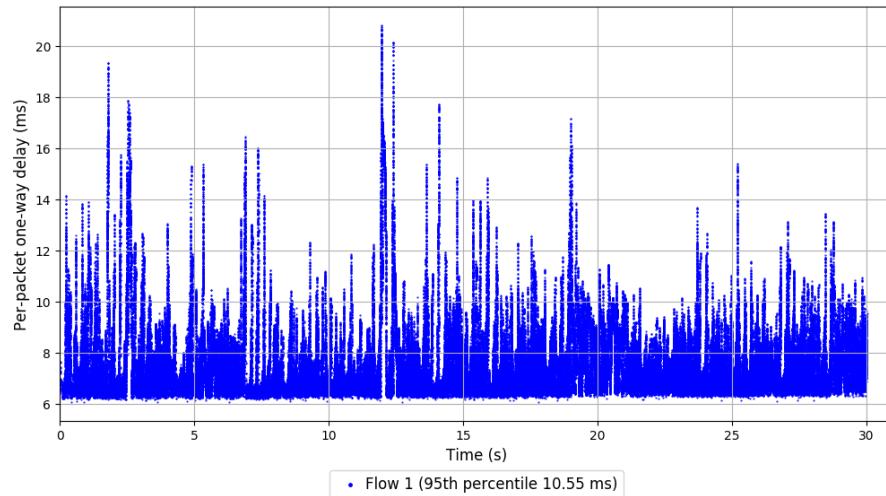
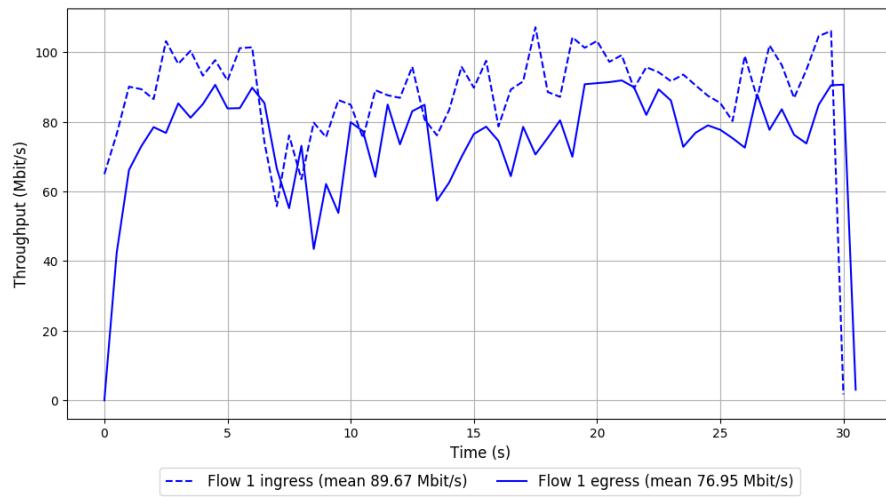


Run 8: Statistics of Copa

```
Start at: 2018-06-29 15:11:35
End at: 2018-06-29 15:12:05
Local clock offset: 2.263 ms
Remote clock offset: -3.721 ms

# Below is generated by plot.py at 2018-06-29 16:07:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 10.554 ms
Loss rate: 14.19%
-- Flow 1:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 10.554 ms
Loss rate: 14.19%
```

### Run 8: Report of Copa — Data Link

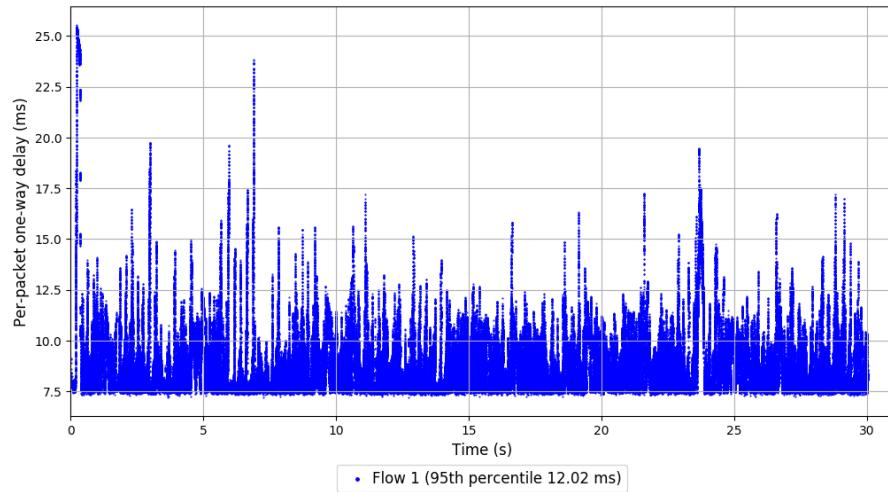
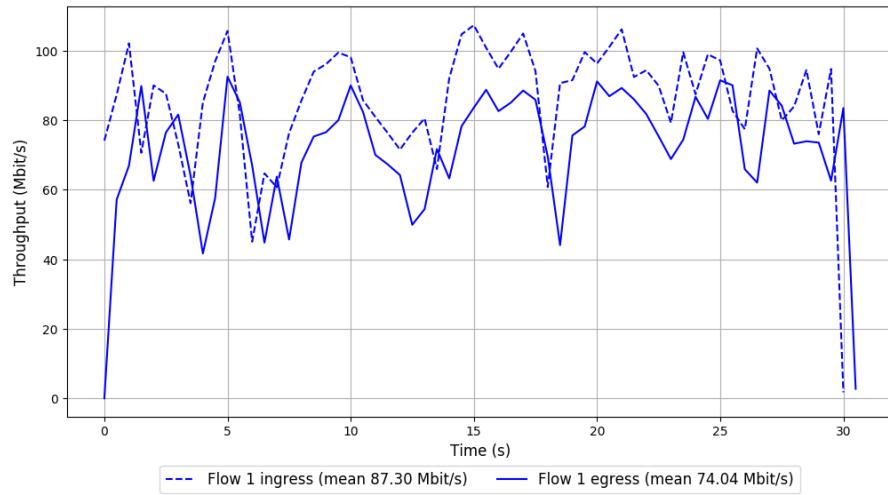


Run 9: Statistics of Copa

```
Start at: 2018-06-29 15:31:14
End at: 2018-06-29 15:31:44
Local clock offset: 1.513 ms
Remote clock offset: -4.107 ms

# Below is generated by plot.py at 2018-06-29 16:07:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 12.017 ms
Loss rate: 15.19%
-- Flow 1:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 12.017 ms
Loss rate: 15.19%
```

## Run 9: Report of Copa — Data Link

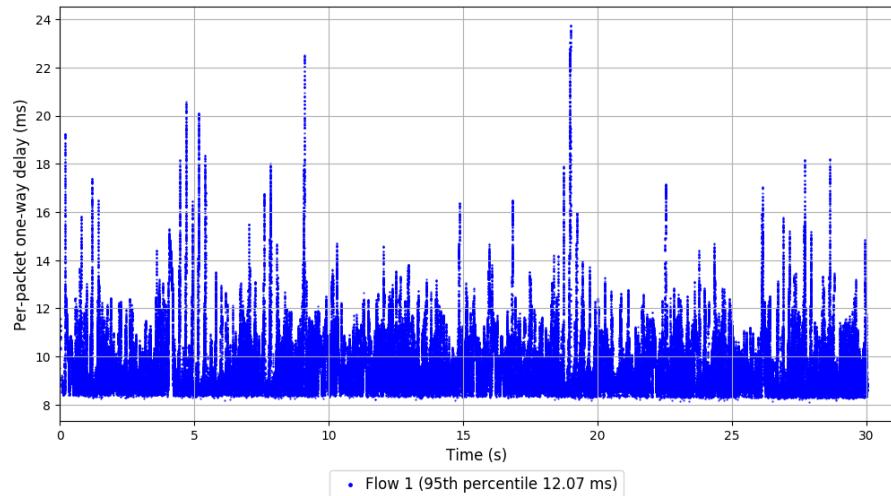
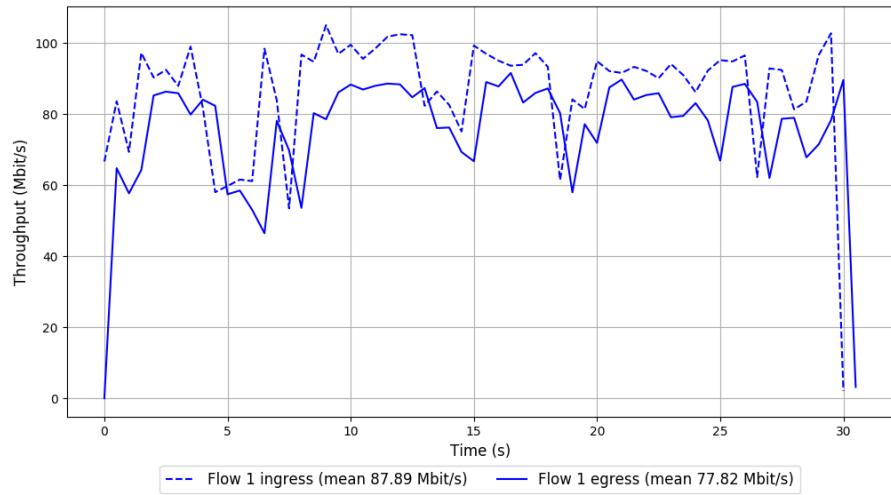


Run 10: Statistics of Copa

```
Start at: 2018-06-29 15:50:41
End at: 2018-06-29 15:51:11
Local clock offset: -0.828 ms
Remote clock offset: -3.802 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 12.067 ms
Loss rate: 11.46%
-- Flow 1:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 12.067 ms
Loss rate: 11.46%
```

## Run 10: Report of Copa — Data Link

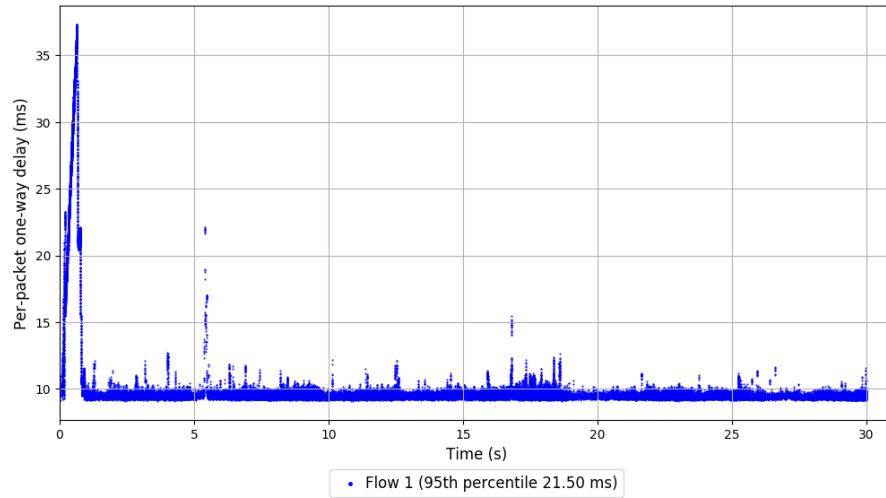
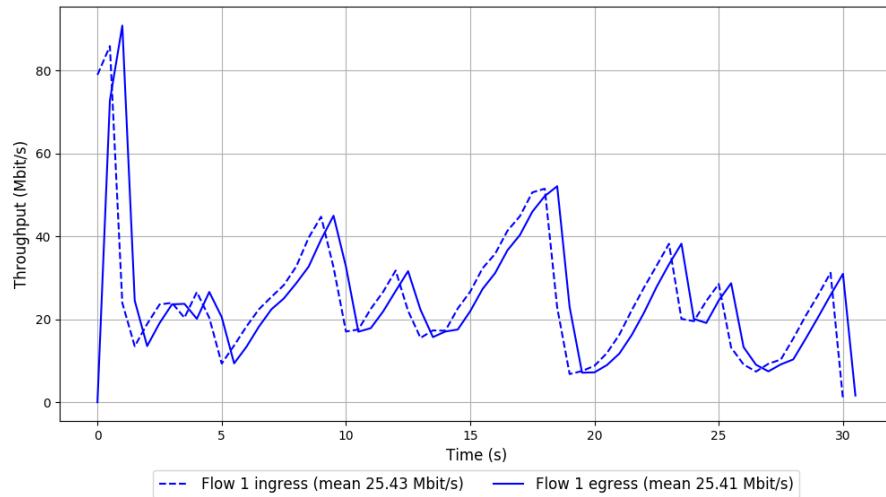


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-29 13:03:07
End at: 2018-06-29 13:03:37
Local clock offset: -0.173 ms
Remote clock offset: -5.663 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.08%
```

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

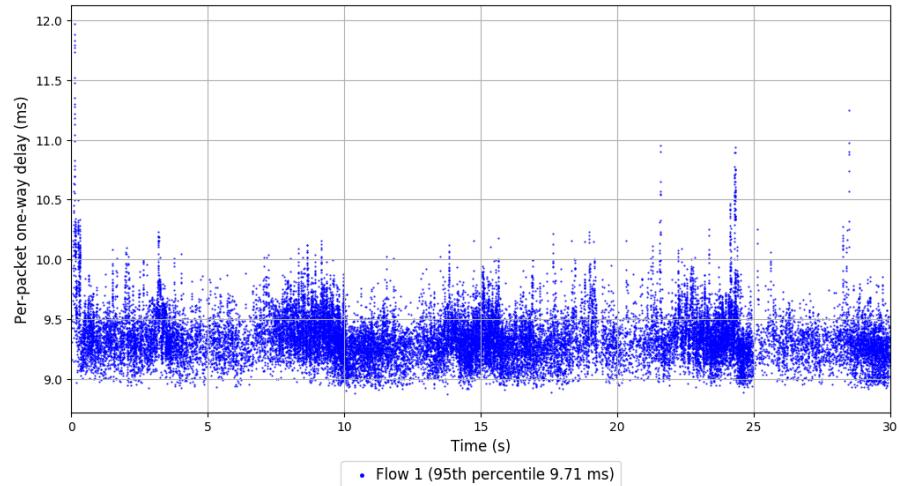
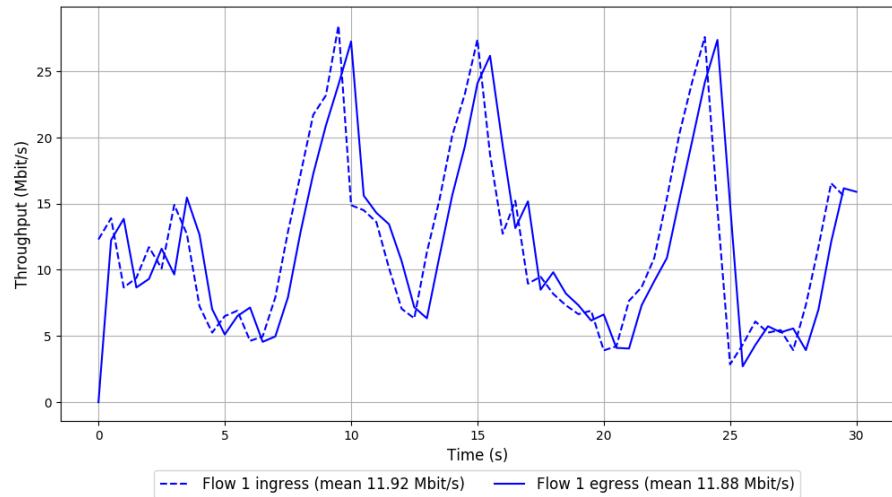


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-29 13:22:25
End at: 2018-06-29 13:22:55
Local clock offset: 1.021 ms
Remote clock offset: -3.842 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.34%
```

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

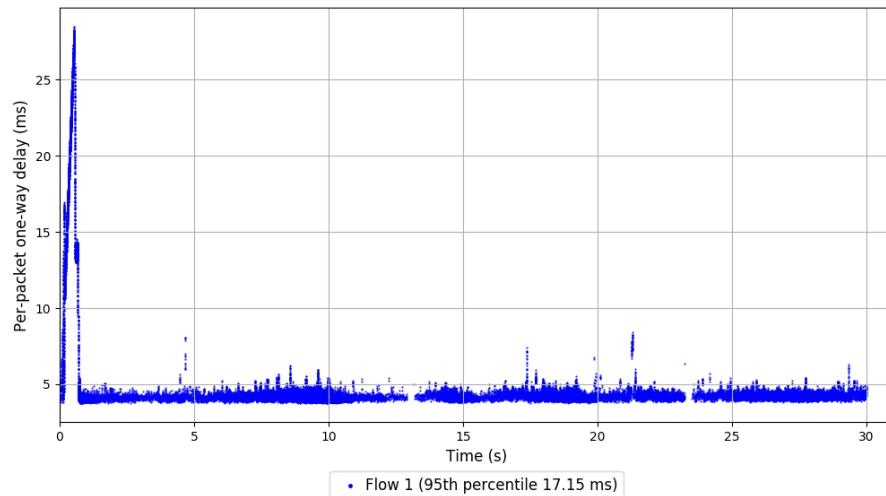
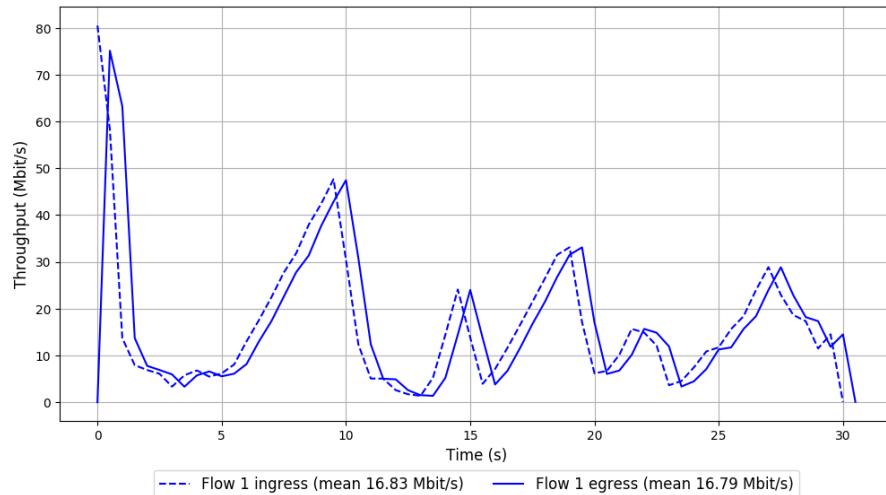


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-29 13:41:42
End at: 2018-06-29 13:42:12
Local clock offset: 2.377 ms
Remote clock offset: -12.68 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 17.149 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 17.149 ms
Loss rate: 0.25%
```

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

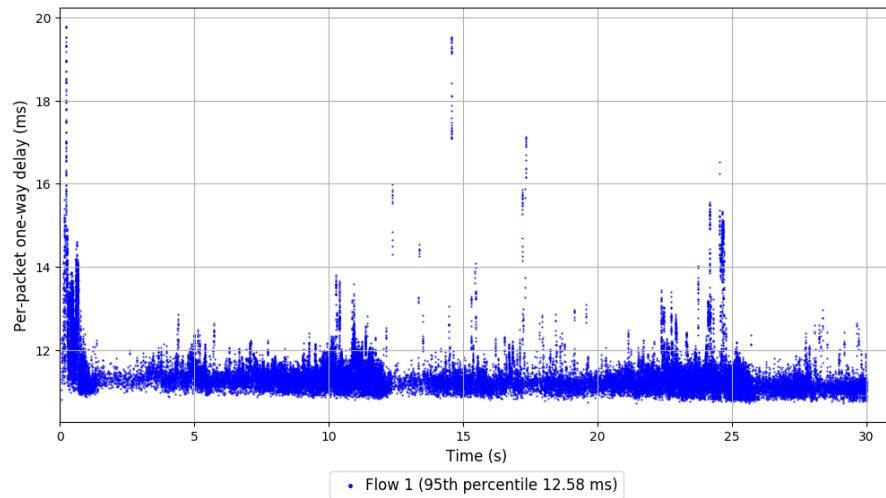
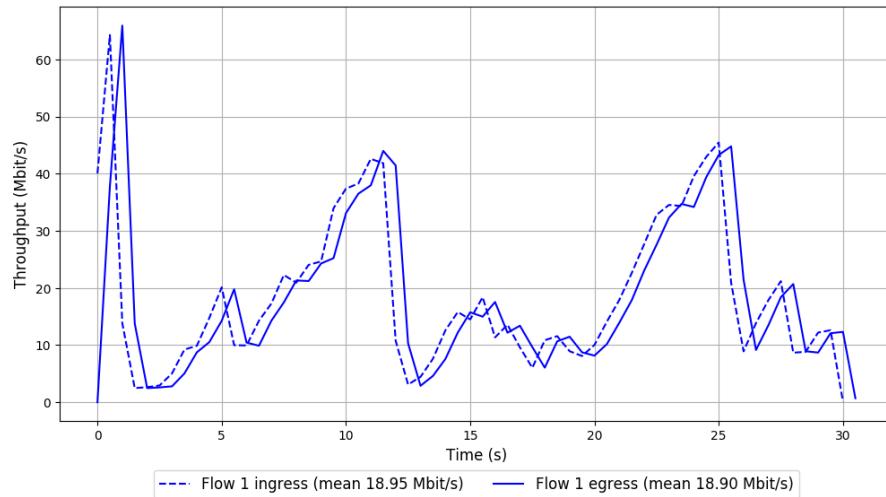


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-29 14:00:53
End at: 2018-06-29 14:01:23
Local clock offset: 3.017 ms
Remote clock offset: -8.332 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 12.576 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 12.576 ms
Loss rate: 0.25%
```

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

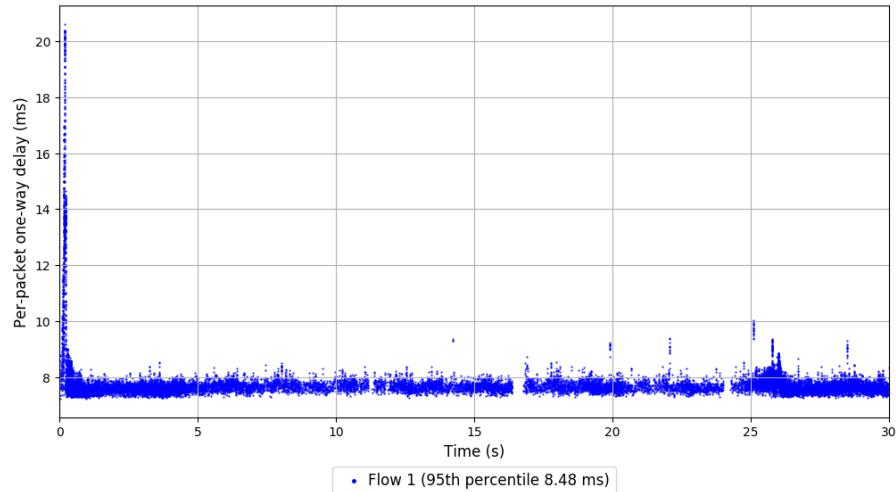
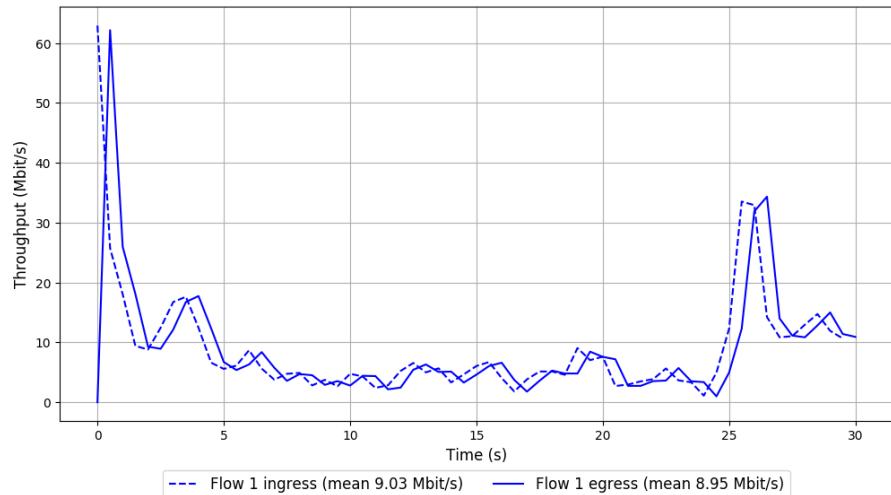


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-29 14:20:15
End at: 2018-06-29 14:20:45
Local clock offset: 2.662 ms
Remote clock offset: -10.941 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 8.477 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 8.477 ms
Loss rate: 0.93%
```

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

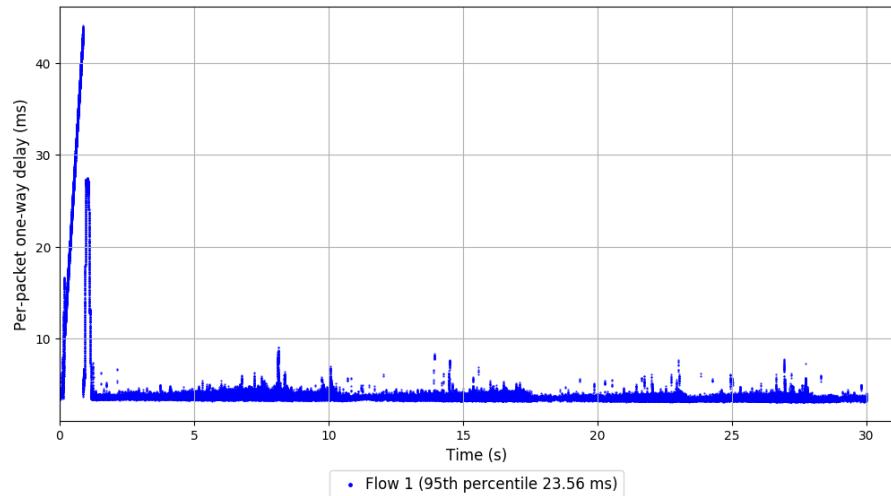
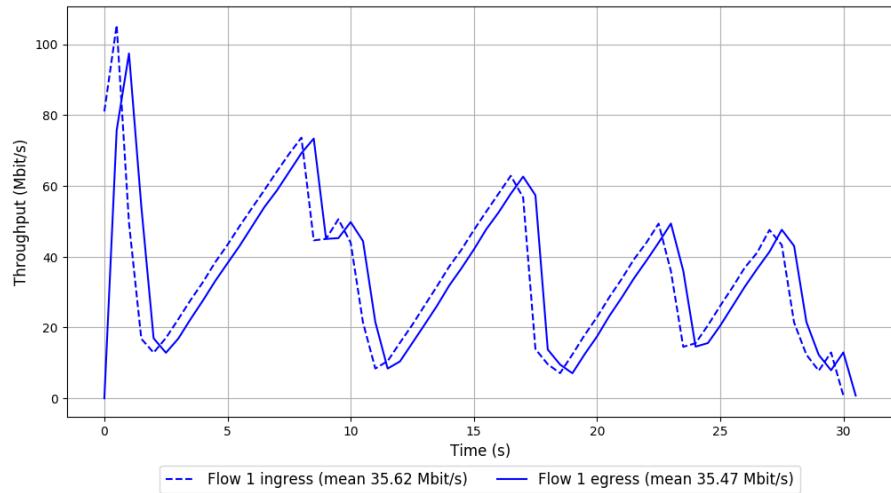


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-29 14:39:31
End at: 2018-06-29 14:40:01
Local clock offset: 3.802 ms
Remote clock offset: -9.036 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 23.560 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 23.560 ms
Loss rate: 0.43%
```

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

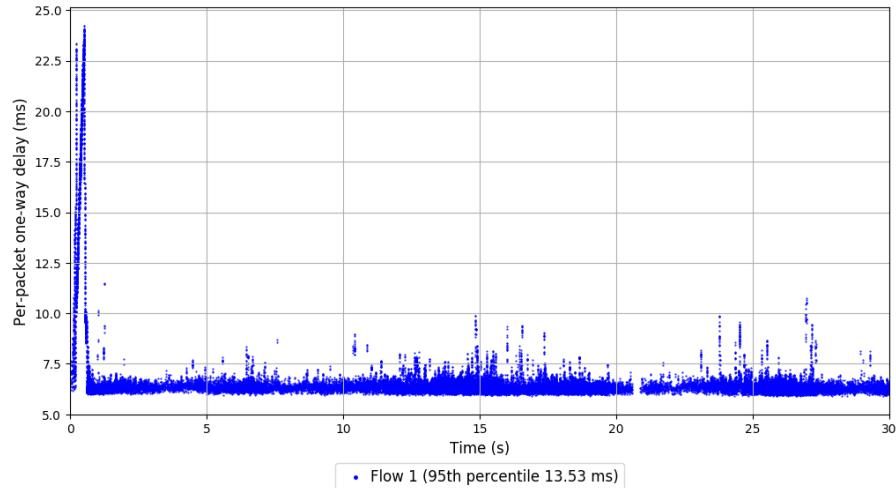
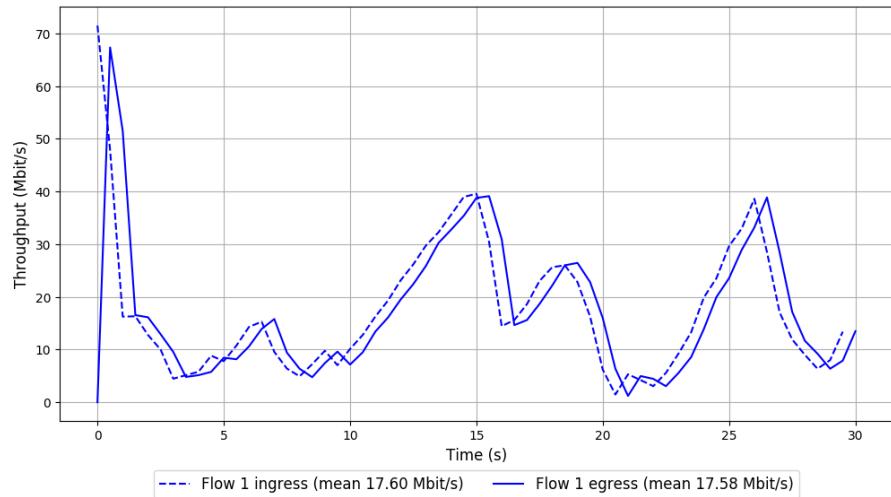


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-29 14:58:46
End at: 2018-06-29 14:59:16
Local clock offset: 1.495 ms
Remote clock offset: -3.281 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 13.527 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 13.527 ms
Loss rate: 0.14%
```

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

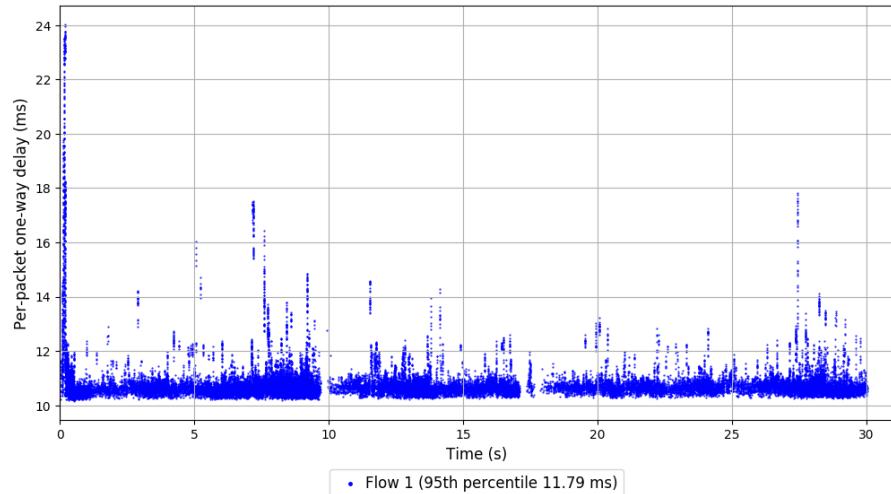
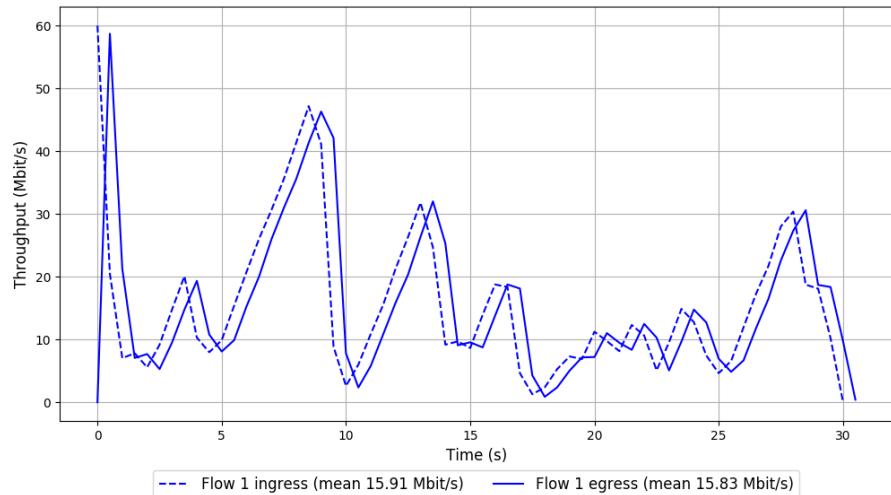


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-29 15:18:33
End at: 2018-06-29 15:19:03
Local clock offset: -2.187 ms
Remote clock offset: -4.02 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 11.795 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 11.795 ms
Loss rate: 0.53%
```

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

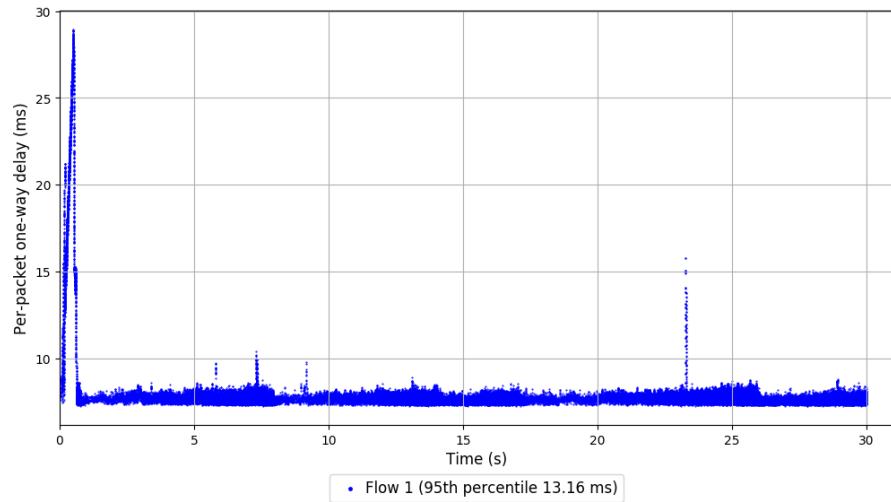
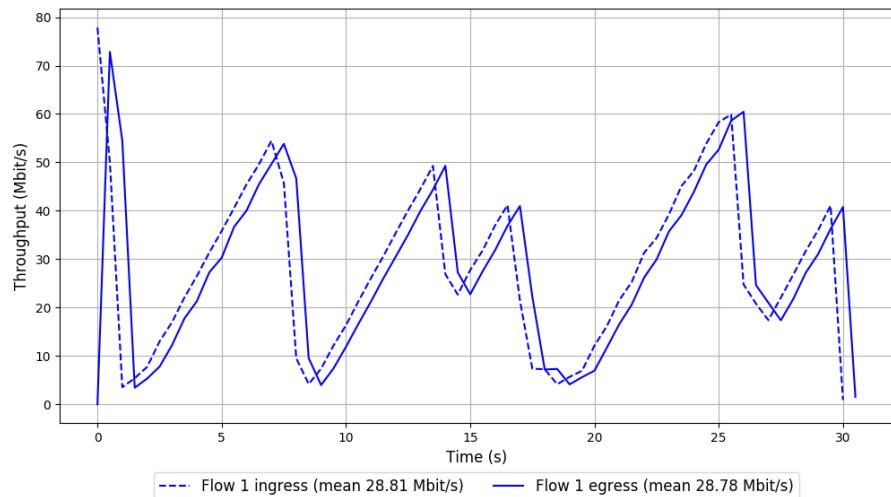


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-29 15:38:07
End at: 2018-06-29 15:38:37
Local clock offset: 1.832 ms
Remote clock offset: -5.534 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 13.159 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 13.159 ms
Loss rate: 0.10%
```

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

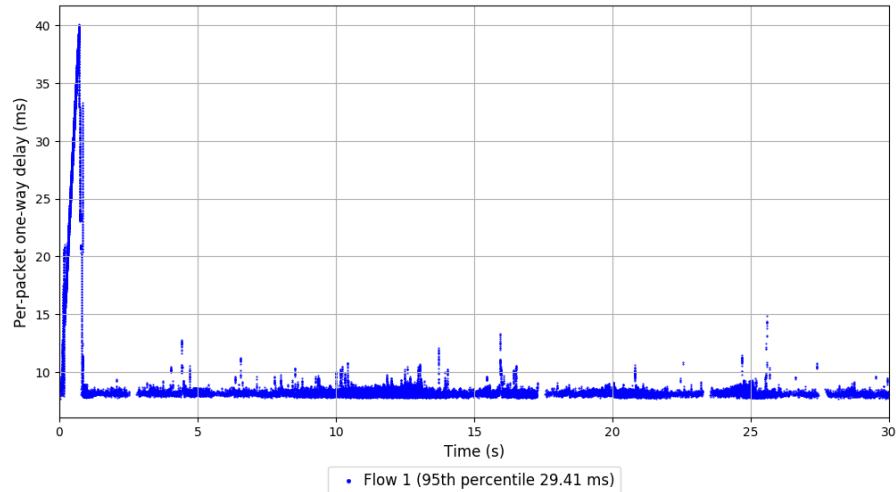
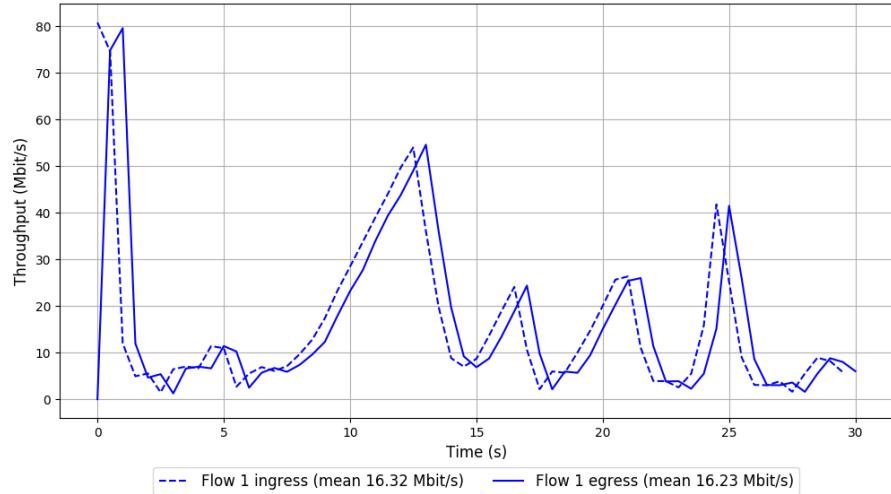


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-29 15:57:27
End at: 2018-06-29 15:57:57
Local clock offset: -0.59 ms
Remote clock offset: -3.027 ms

# Below is generated by plot.py at 2018-06-29 16:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.23 Mbit/s
95th percentile per-packet one-way delay: 29.414 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 16.23 Mbit/s
95th percentile per-packet one-way delay: 29.414 ms
Loss rate: 0.55%
```

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

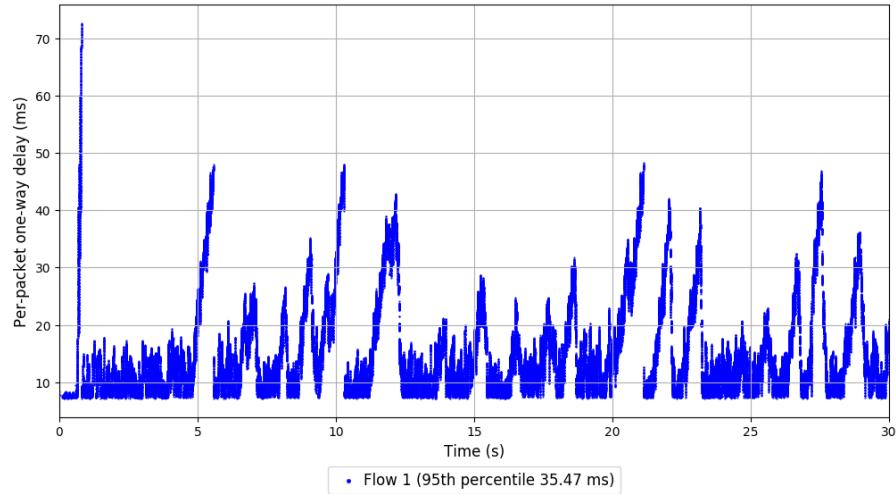
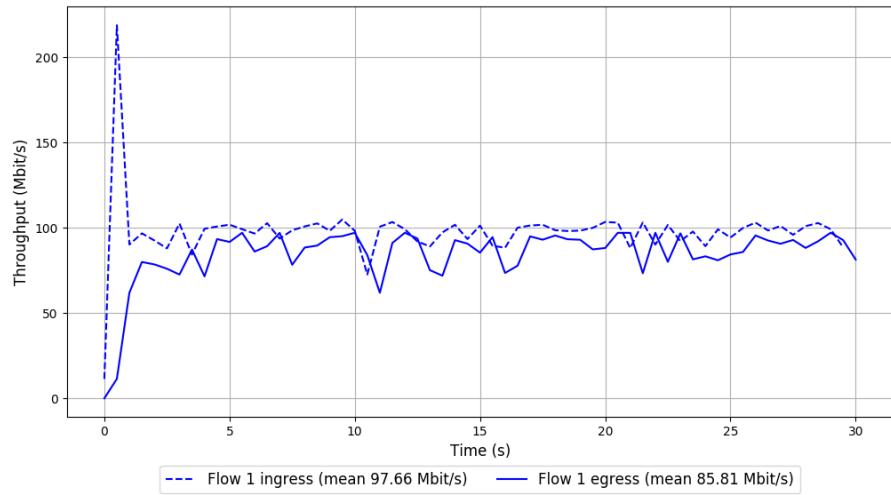


```
Run 1: Statistics of FillP
```

```
Start at: 2018-06-29 13:00:53
End at: 2018-06-29 13:01:23
Local clock offset: -0.611 ms
Remote clock offset: -8.152 ms

# Below is generated by plot.py at 2018-06-29 16:08:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 35.469 ms
Loss rate: 12.09%
-- Flow 1:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 35.469 ms
Loss rate: 12.09%
```

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

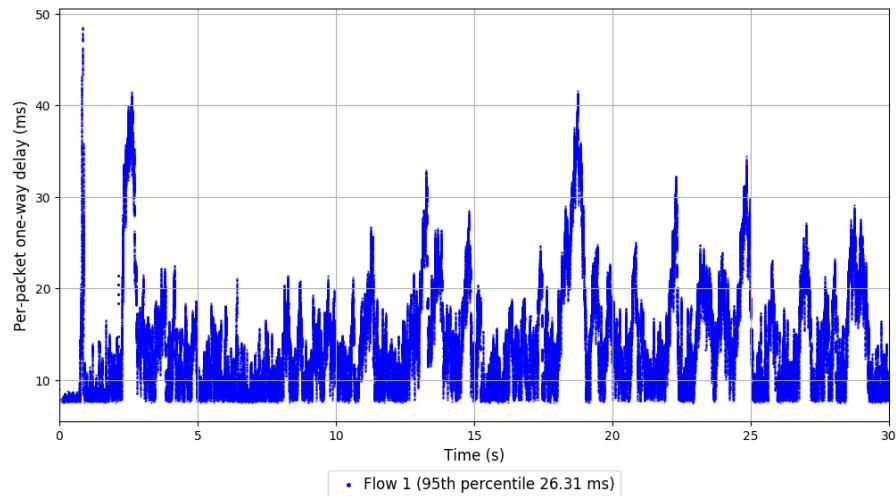
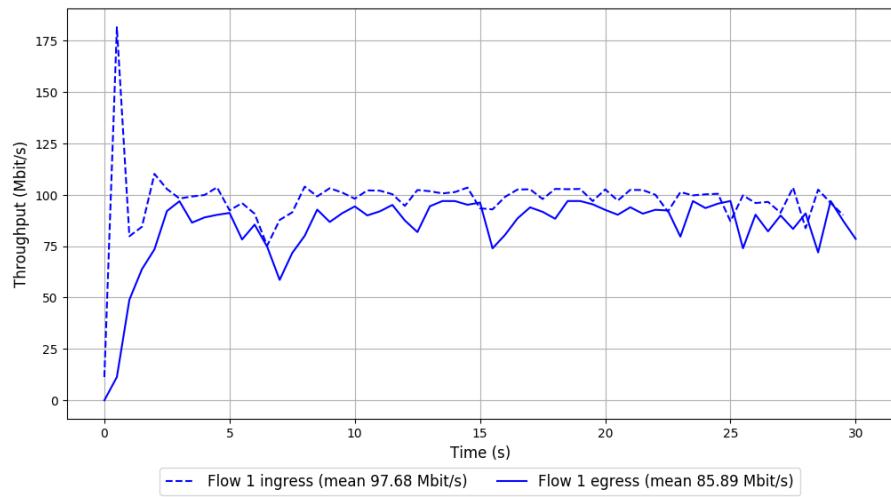


Run 2: Statistics of FillP

```
Start at: 2018-06-29 13:20:09
End at: 2018-06-29 13:20:39
Local clock offset: 0.193 ms
Remote clock offset: -6.015 ms

# Below is generated by plot.py at 2018-06-29 16:08:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 26.306 ms
Loss rate: 12.07%
-- Flow 1:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 26.306 ms
Loss rate: 12.07%
```

## Run 2: Report of FillP — Data Link

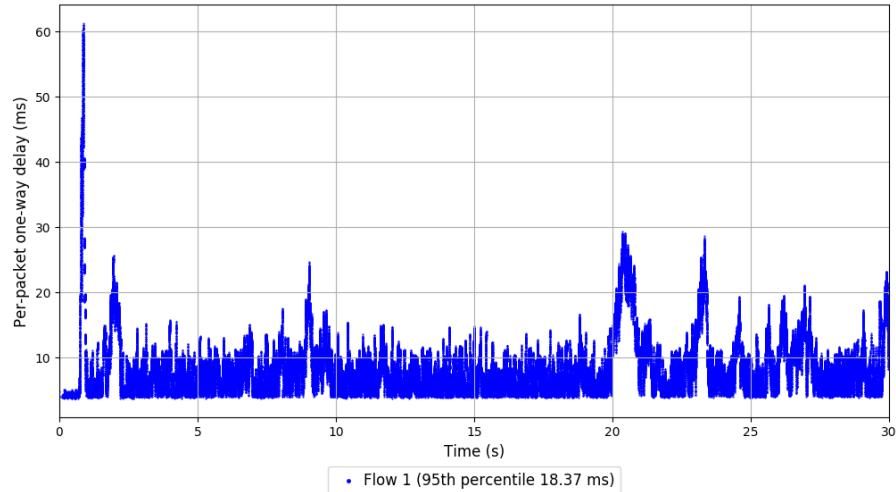
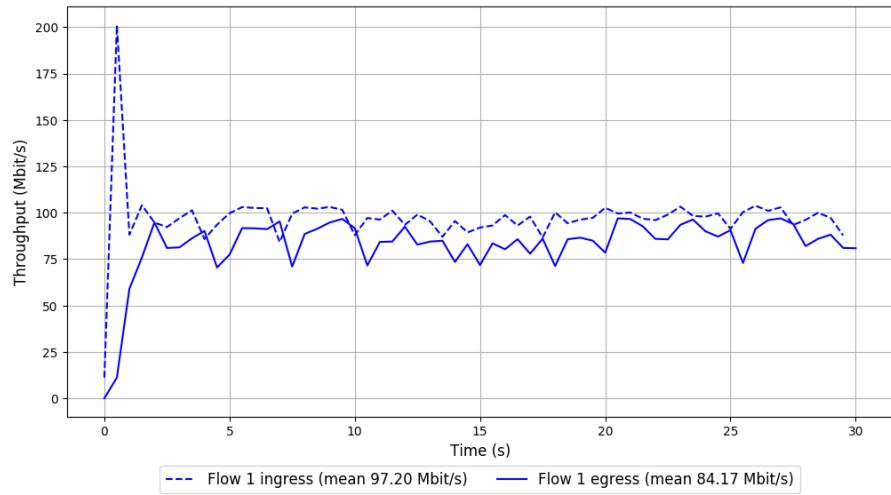


Run 3: Statistics of FillP

```
Start at: 2018-06-29 13:39:28
End at: 2018-06-29 13:39:58
Local clock offset: 0.39 ms
Remote clock offset: -13.955 ms

# Below is generated by plot.py at 2018-06-29 16:08:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 18.372 ms
Loss rate: 13.38%
-- Flow 1:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 18.372 ms
Loss rate: 13.38%
```

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

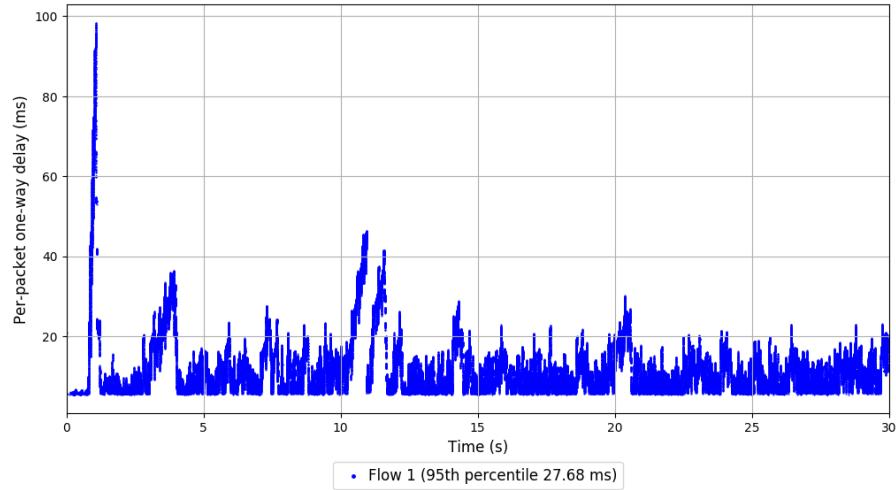
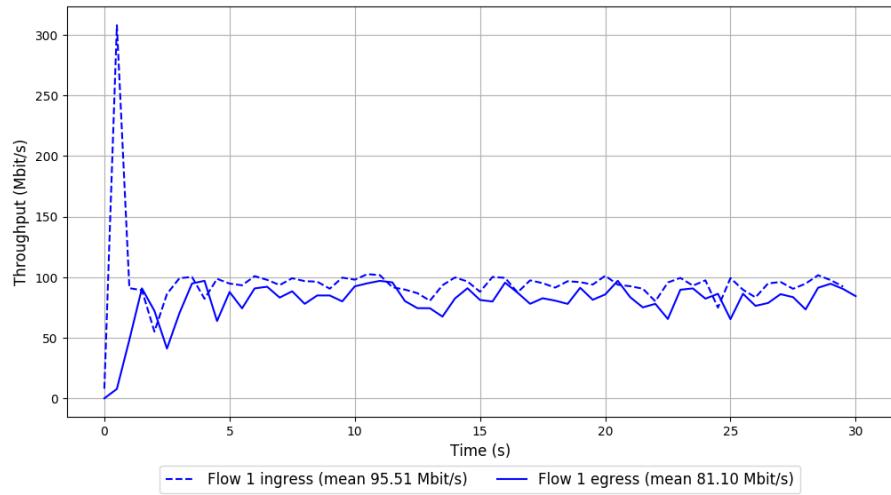


Run 4: Statistics of FillP

```
Start at: 2018-06-29 13:58:36
End at: 2018-06-29 13:59:06
Local clock offset: 1.524 ms
Remote clock offset: -15.19 ms

# Below is generated by plot.py at 2018-06-29 16:08:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 27.683 ms
Loss rate: 15.10%
-- Flow 1:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 27.683 ms
Loss rate: 15.10%
```

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

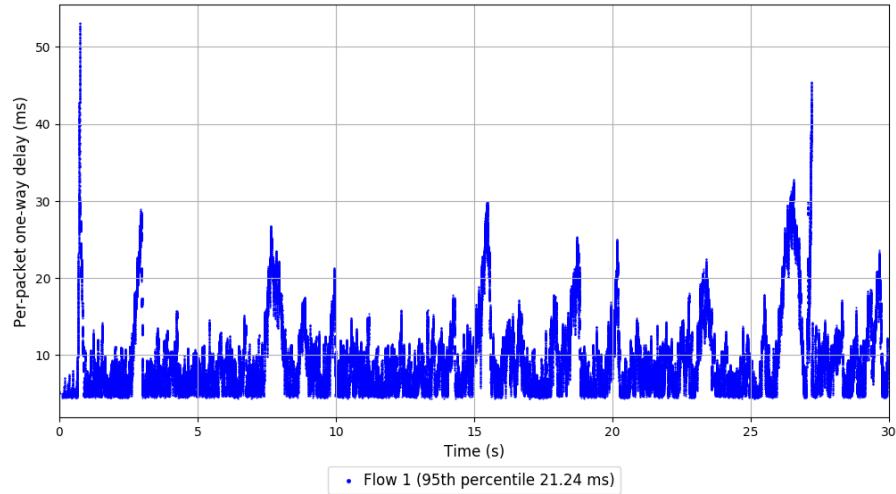
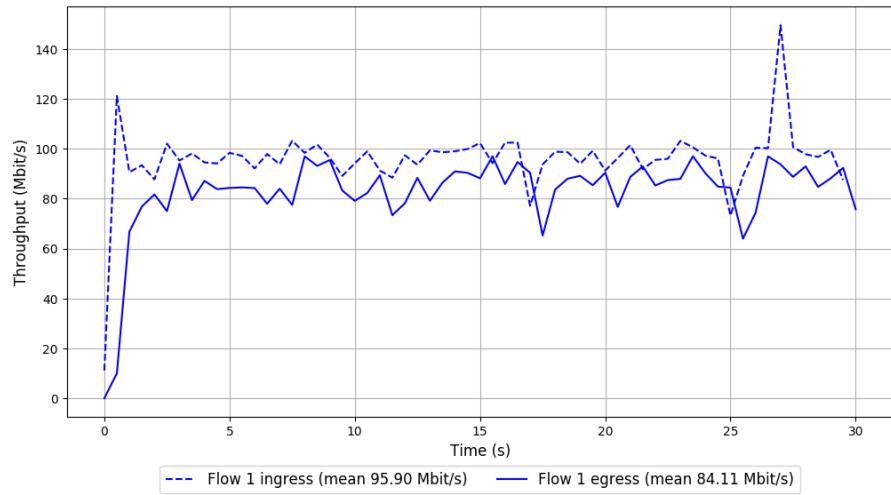


Run 5: Statistics of FillP

```
Start at: 2018-06-29 14:18:00
End at: 2018-06-29 14:18:30
Local clock offset: 2.579 ms
Remote clock offset: -11.67 ms

# Below is generated by plot.py at 2018-06-29 16:08:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 21.239 ms
Loss rate: 12.28%
-- Flow 1:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 21.239 ms
Loss rate: 12.28%
```

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

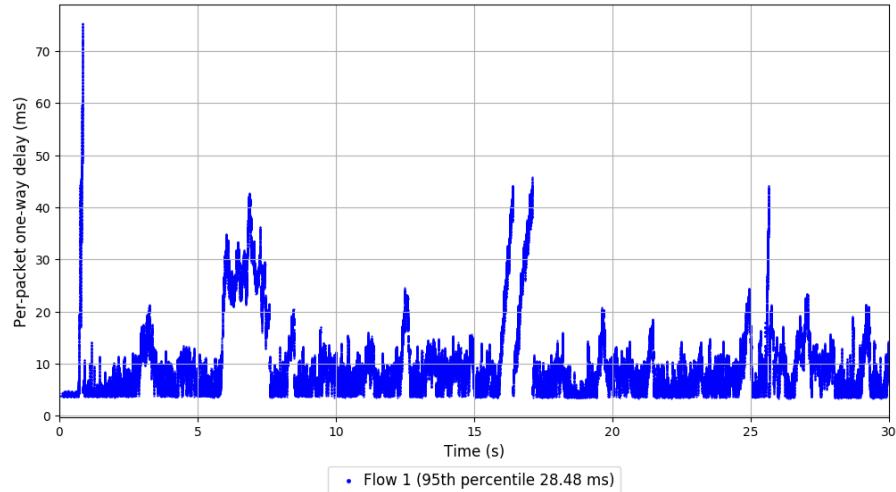
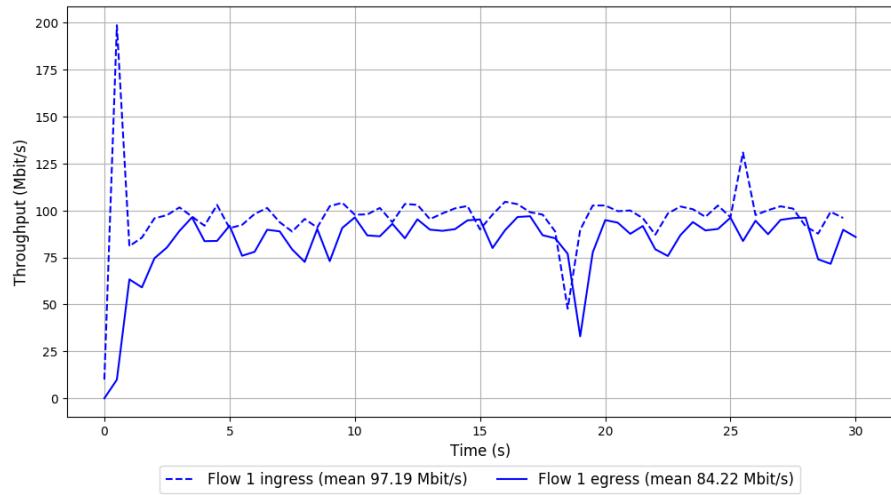


Run 6: Statistics of FillP

```
Start at: 2018-06-29 14:37:17
End at: 2018-06-29 14:37:47
Local clock offset: 3.465 ms
Remote clock offset: -10.123 ms

# Below is generated by plot.py at 2018-06-29 16:08:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 28.475 ms
Loss rate: 13.33%
-- Flow 1:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 28.475 ms
Loss rate: 13.33%
```

## Run 6: Report of FillP — Data Link

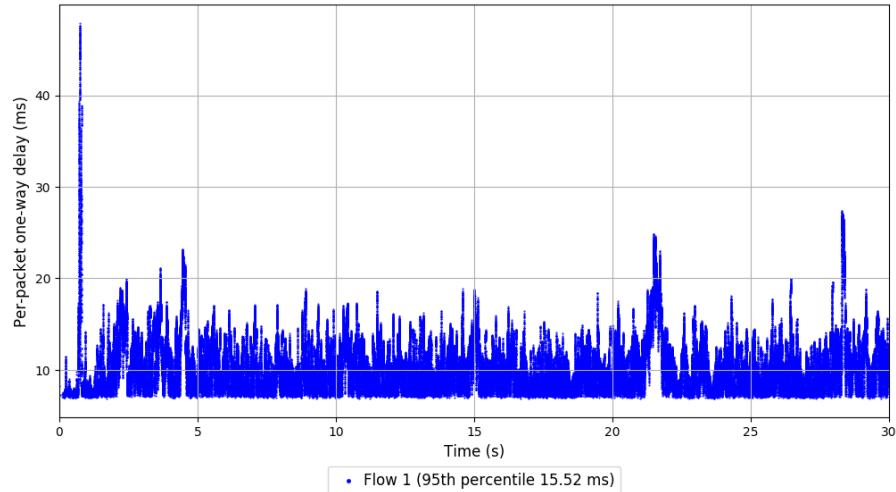
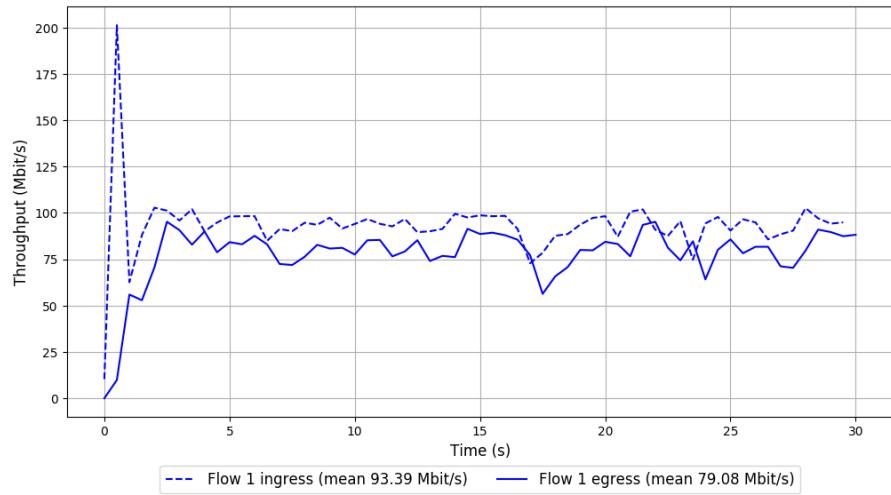


Run 7: Statistics of FillP

```
Start at: 2018-06-29 14:56:29
End at: 2018-06-29 14:56:59
Local clock offset: 1.937 ms
Remote clock offset: -3.598 ms

# Below is generated by plot.py at 2018-06-29 16:08:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 15.515 ms
Loss rate: 15.31%
-- Flow 1:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 15.515 ms
Loss rate: 15.31%
```

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

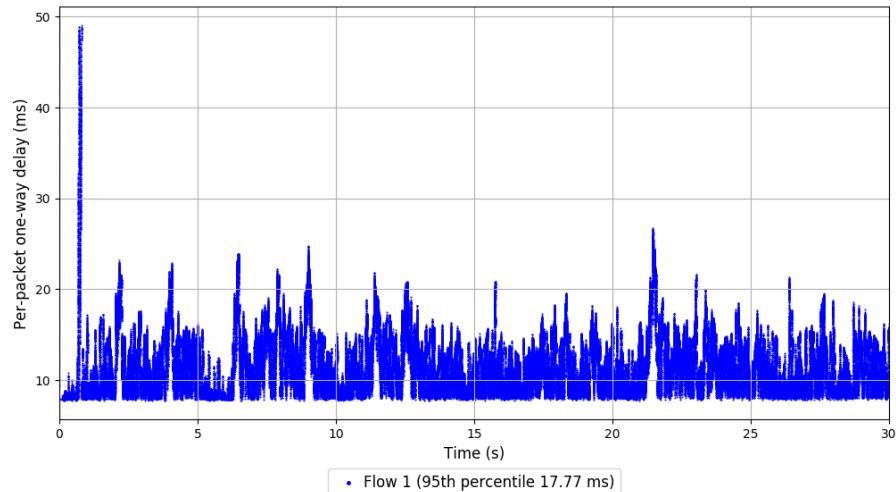
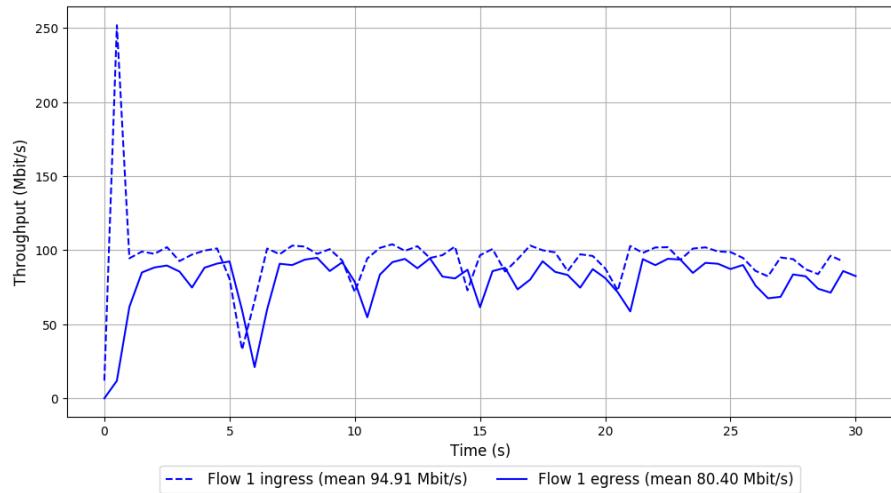


Run 8: Statistics of FillP

```
Start at: 2018-06-29 15:16:12
End at: 2018-06-29 15:16:42
Local clock offset: 1.102 ms
Remote clock offset: -4.183 ms

# Below is generated by plot.py at 2018-06-29 16:09:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 17.765 ms
Loss rate: 15.28%
-- Flow 1:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 17.765 ms
Loss rate: 15.28%
```

## Run 8: Report of FillP — Data Link

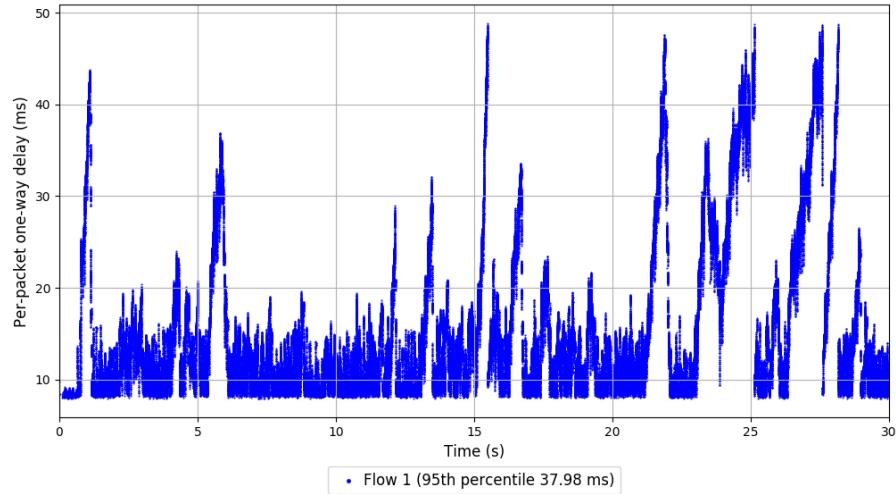
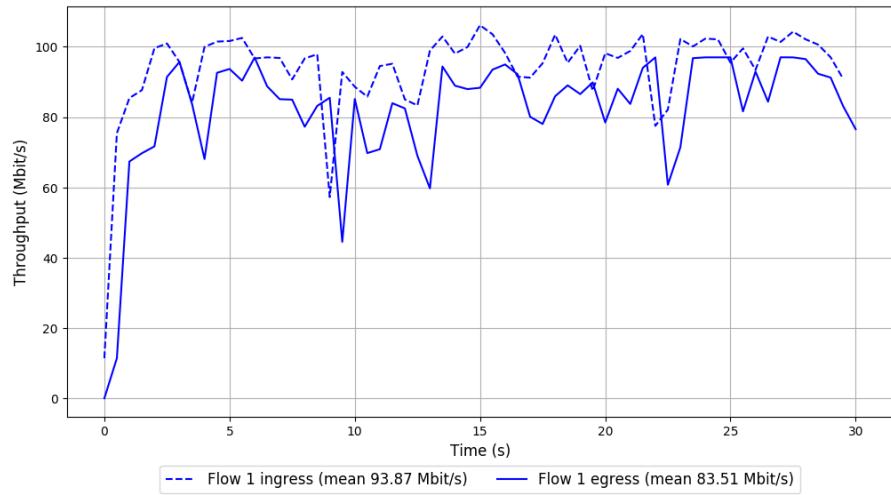


Run 9: Statistics of FillP

```
Start at: 2018-06-29 15:35:51
End at: 2018-06-29 15:36:21
Local clock offset: 1.395 ms
Remote clock offset: -5.113 ms

# Below is generated by plot.py at 2018-06-29 16:09:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 37.982 ms
Loss rate: 11.04%
-- Flow 1:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 37.982 ms
Loss rate: 11.04%
```

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

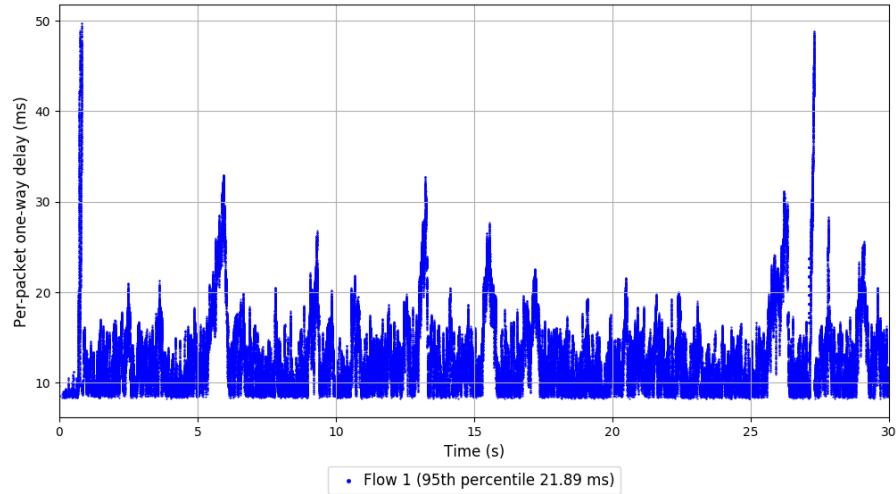
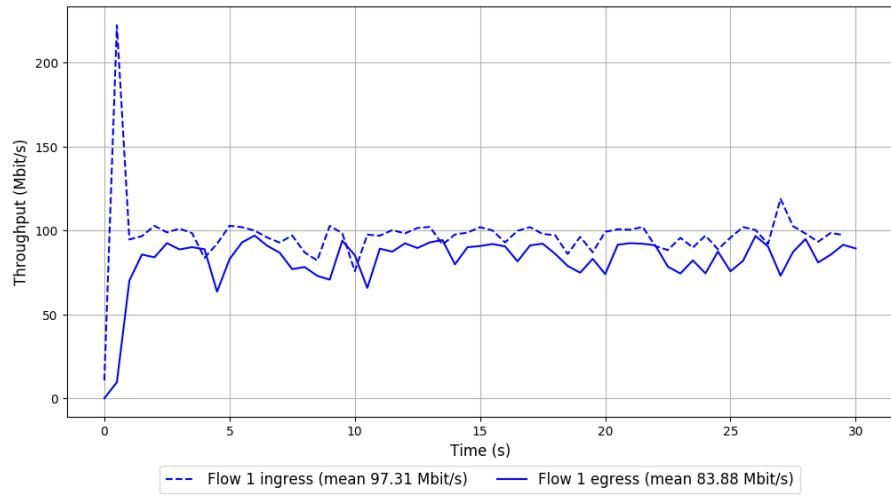


Run 10: Statistics of FillP

```
Start at: 2018-06-29 15:55:13
End at: 2018-06-29 15:55:43
Local clock offset: 0.466 ms
Remote clock offset: -3.208 ms

# Below is generated by plot.py at 2018-06-29 16:09:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 21.888 ms
Loss rate: 13.80%
-- Flow 1:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 21.888 ms
Loss rate: 13.80%
```

## Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

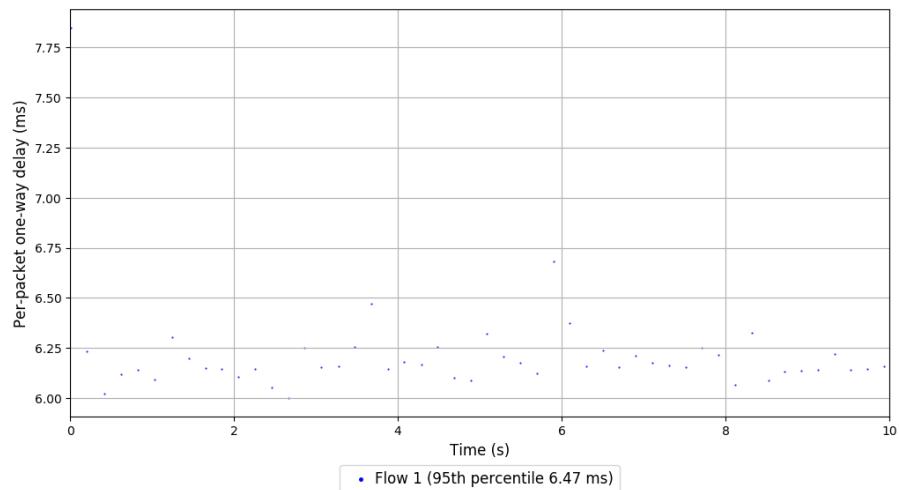
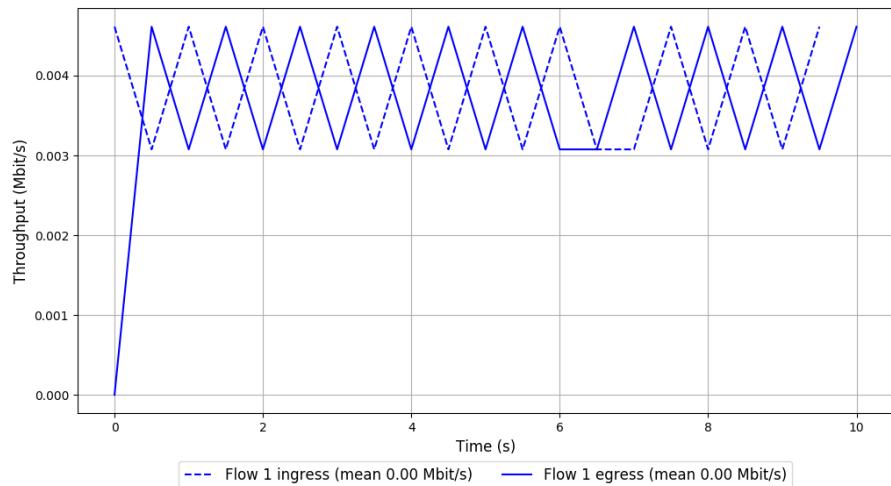
Start at: 2018-06-29 12:48:28

End at: 2018-06-29 12:48:58

Local clock offset: 0.731 ms

Remote clock offset: -7.934 ms

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



Run 2: Statistics of FillP-Sheep

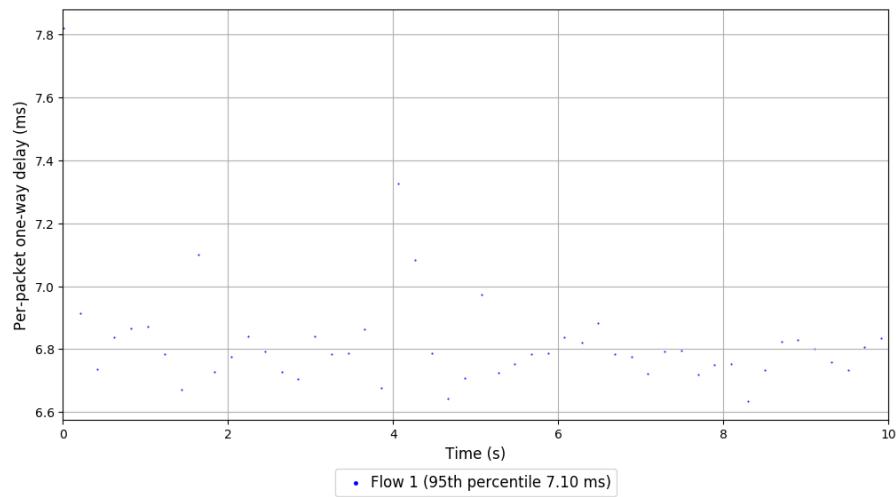
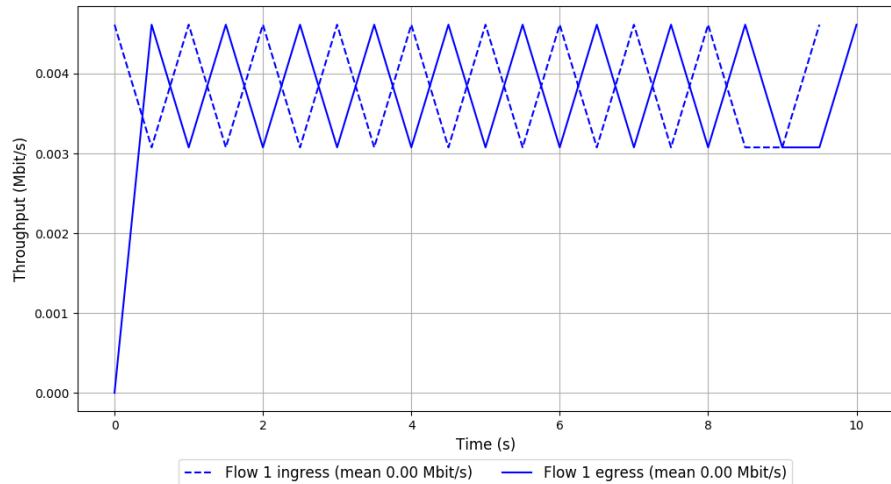
Start at: 2018-06-29 13:07:38

End at: 2018-06-29 13:08:08

Local clock offset: 0.894 ms

Remote clock offset: -7.113 ms

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



Run 3: Statistics of FillP-Sheep

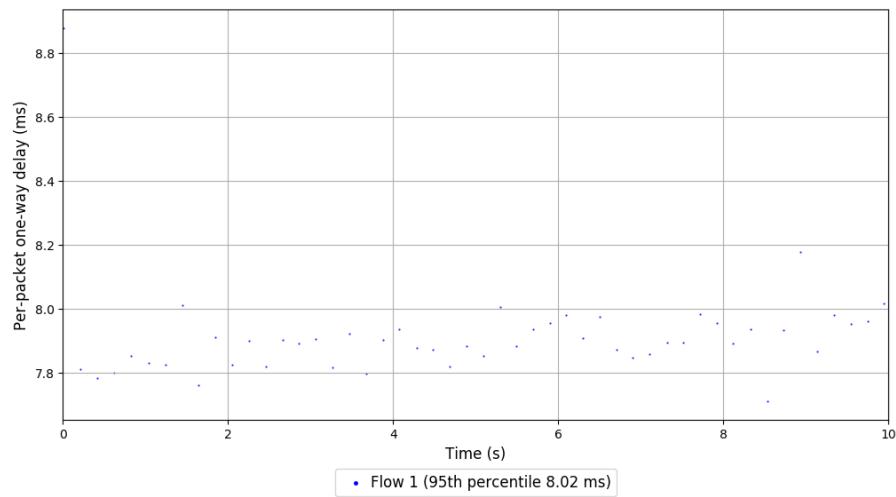
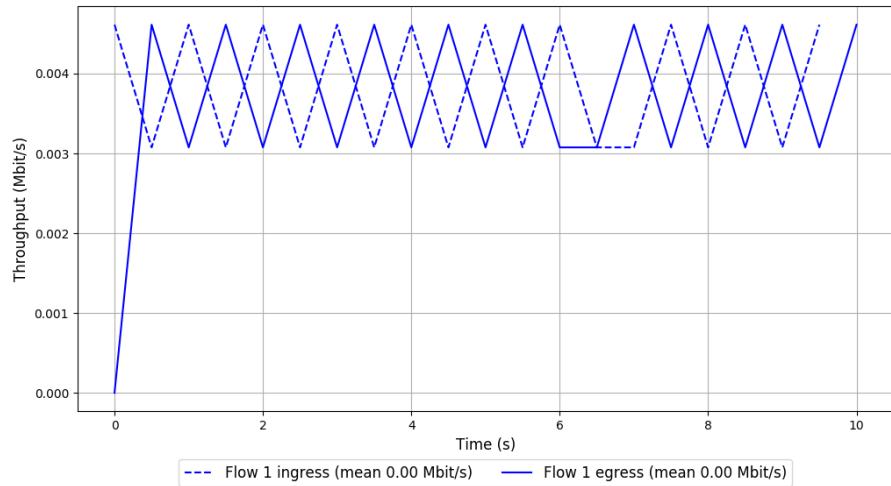
Start at: 2018-06-29 13:27:02

End at: 2018-06-29 13:27:32

Local clock offset: 0.577 ms

Remote clock offset: -7.152 ms

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



Run 4: Statistics of FillP-Sheep

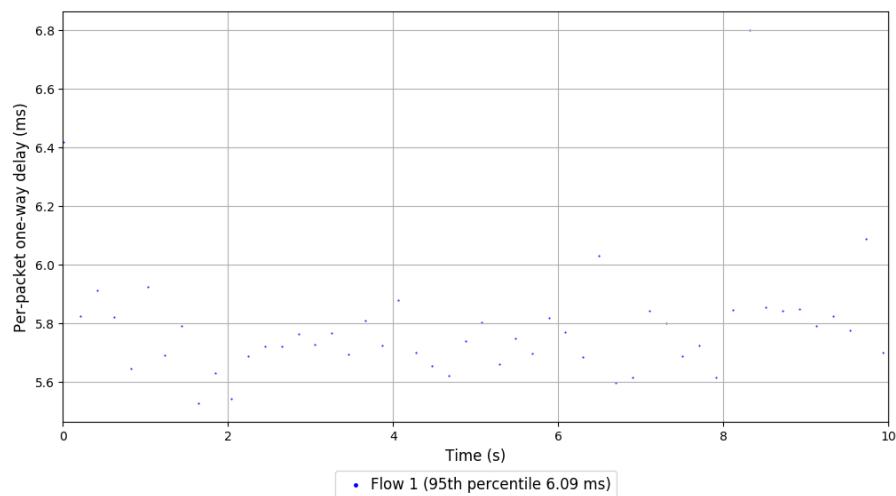
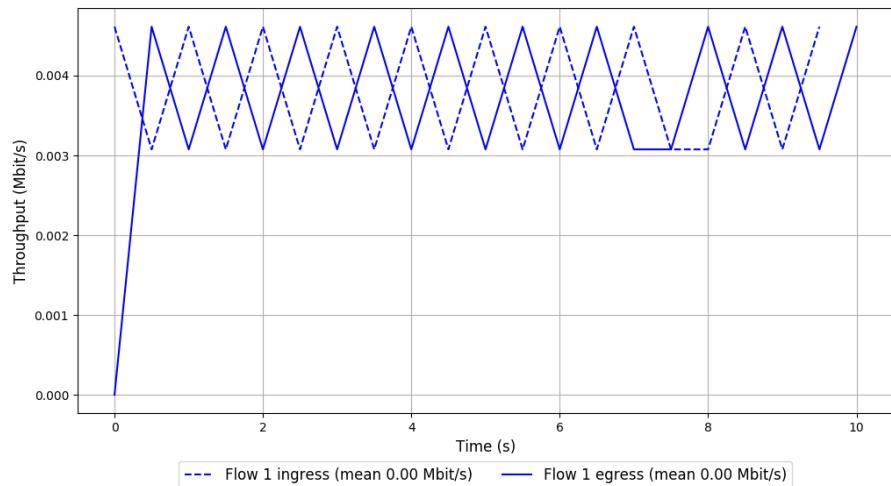
Start at: 2018-06-29 13:46:13

End at: 2018-06-29 13:46:43

Local clock offset: 2.14 ms

Remote clock offset: -12.694 ms

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



Run 5: Statistics of FillP-Sheep

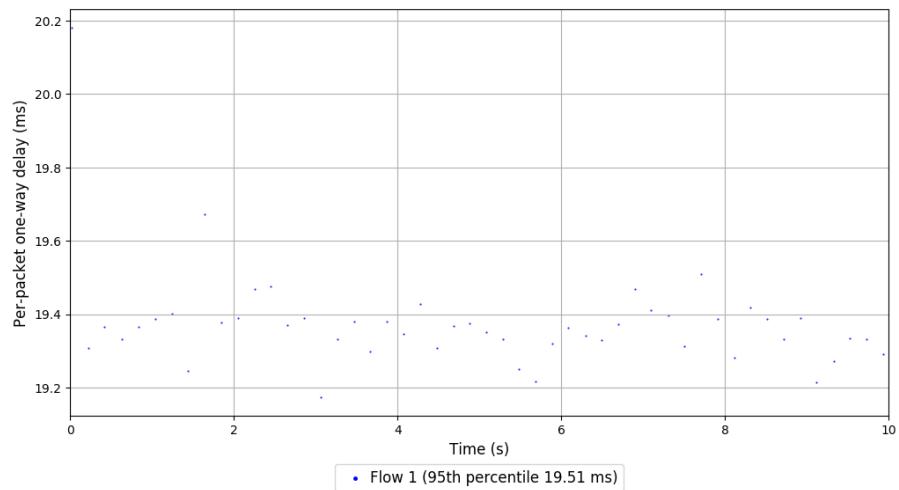
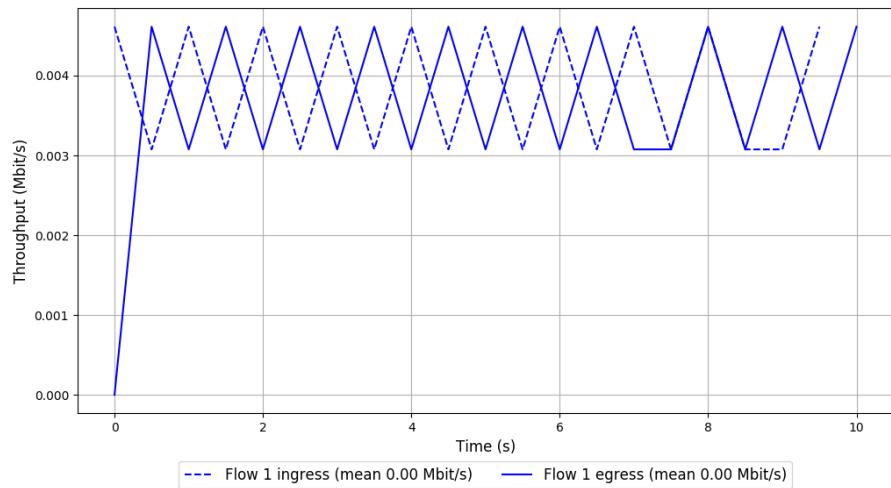
Start at: 2018-06-29 14:05:26

End at: 2018-06-29 14:05:56

Local clock offset: -0.009 ms

Remote clock offset: -3.0 ms

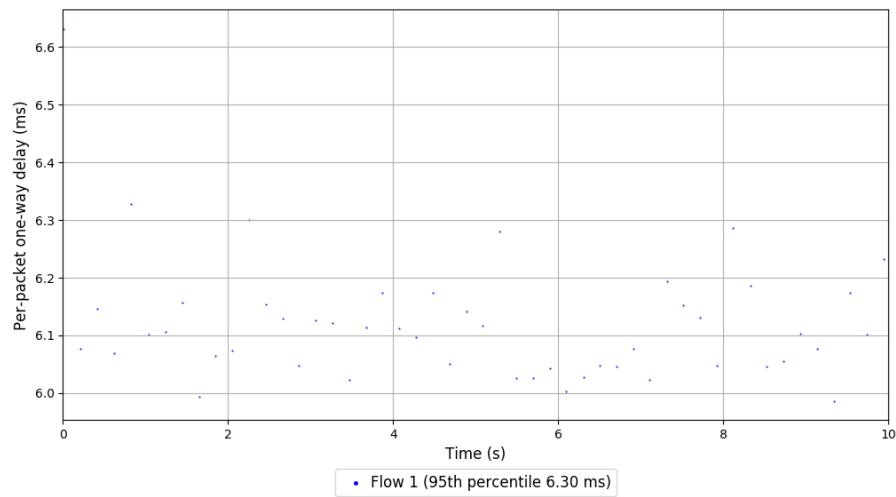
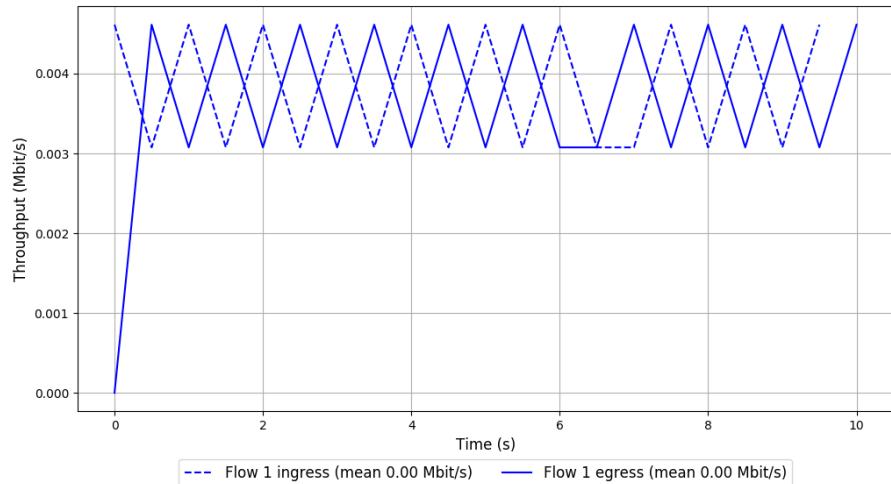
### Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-06-29 14:24:56  
End at: 2018-06-29 14:25:26  
Local clock offset: 2.576 ms  
Remote clock offset: -12.261 ms

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



Run 7: Statistics of FillP-Sheep

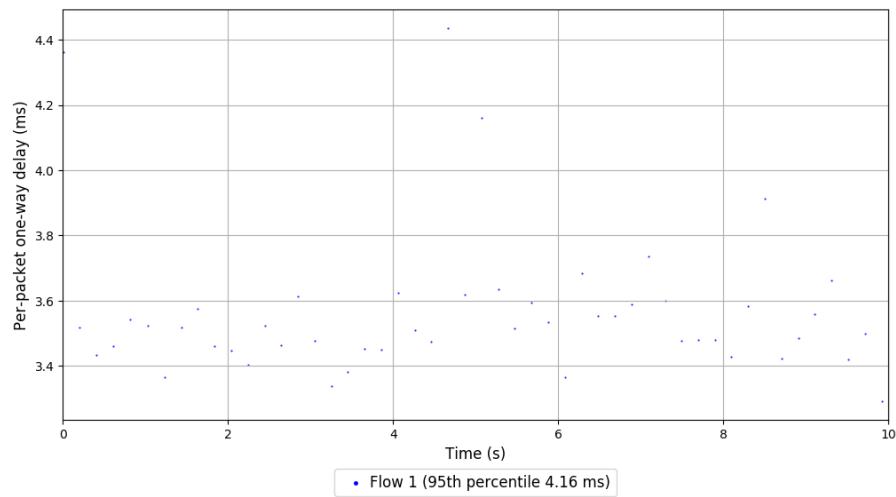
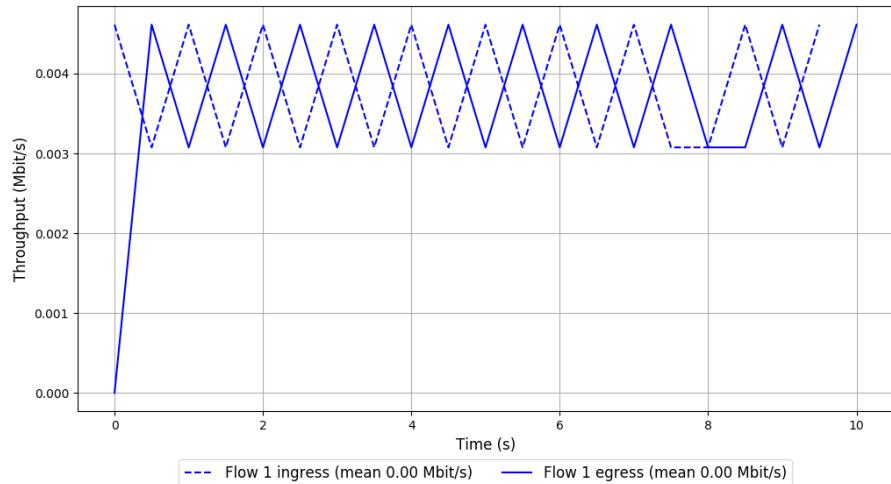
Start at: 2018-06-29 14:44:06

End at: 2018-06-29 14:44:36

Local clock offset: 1.954 ms

Remote clock offset: -8.759 ms

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



Run 8: Statistics of FillP-Sheep

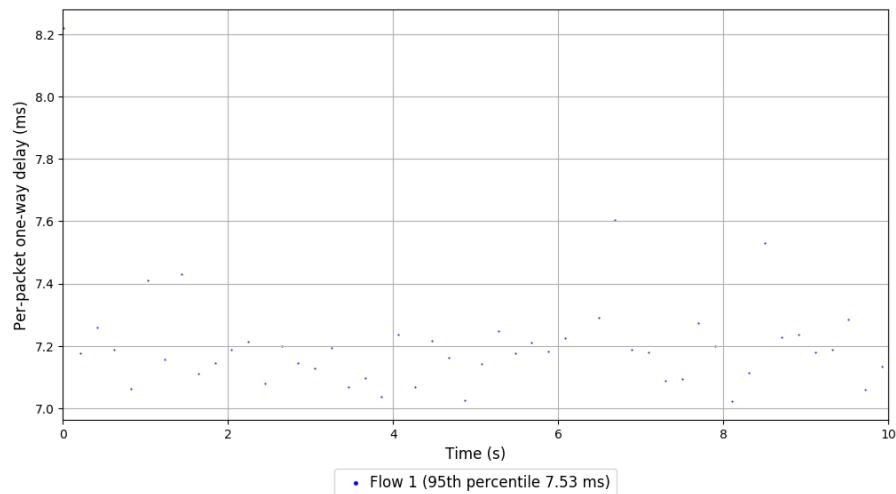
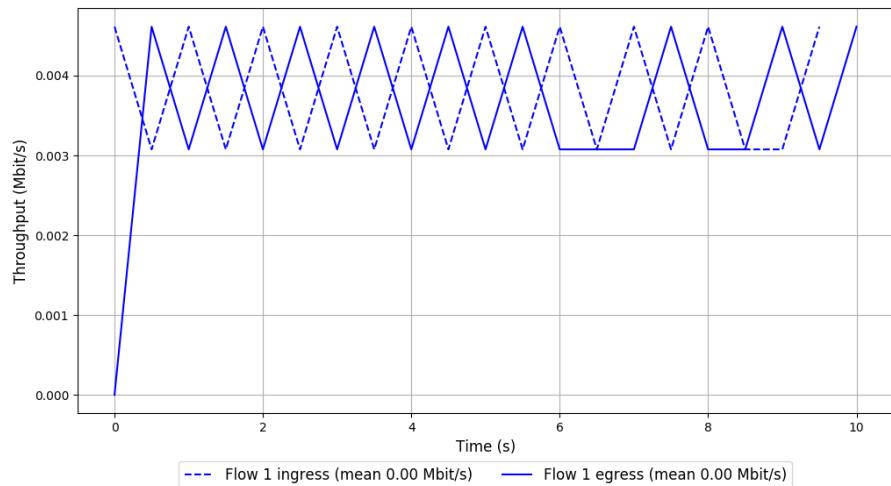
Start at: 2018-06-29 15:03:35

End at: 2018-06-29 15:04:05

Local clock offset: 0.459 ms

Remote clock offset: -2.515 ms

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



Run 9: Statistics of FillP-Sheep

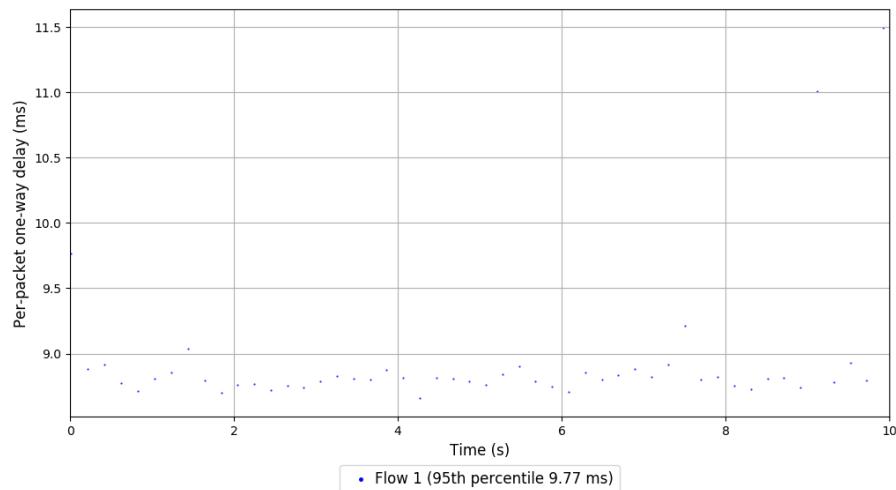
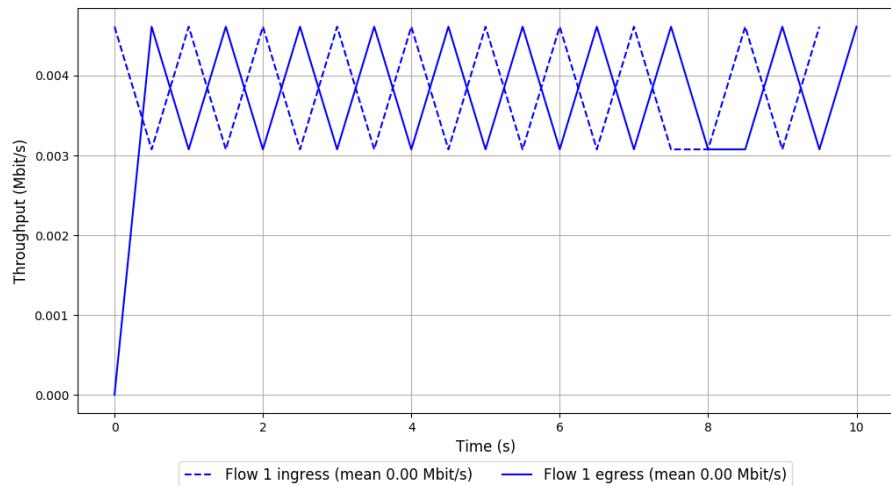
Start at: 2018-06-29 15:23:09

End at: 2018-06-29 15:23:39

Local clock offset: -1.198 ms

Remote clock offset: -5.06 ms

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



Run 10: Statistics of FillP-Sheep

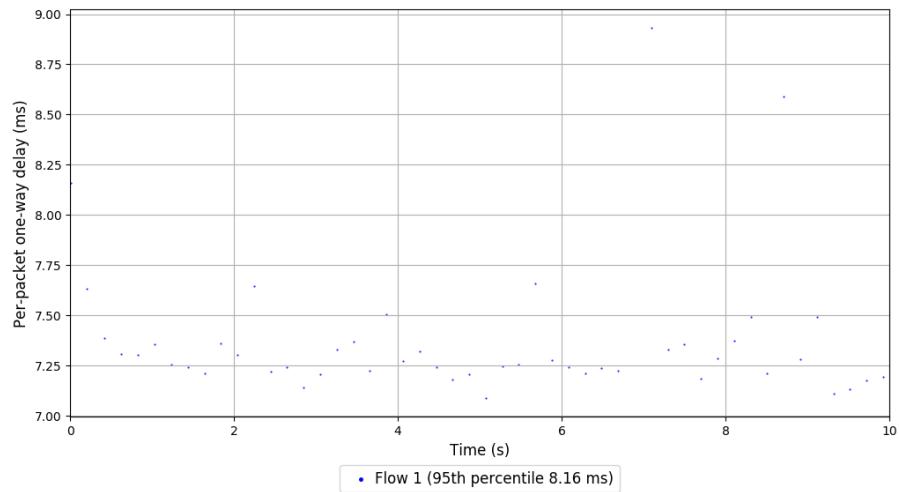
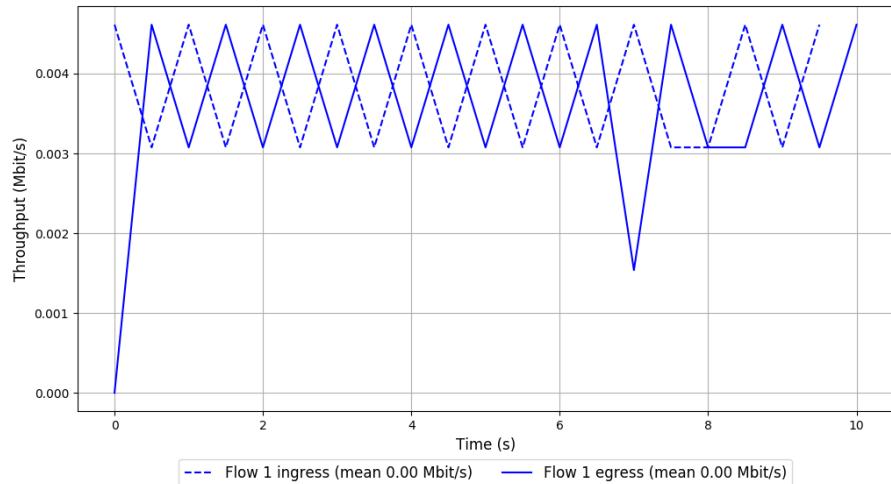
Start at: 2018-06-29 15:42:43

End at: 2018-06-29 15:43:13

Local clock offset: 0.605 ms

Remote clock offset: -5.149 ms

Run 10: Report of FillP-Sheep — Data Link

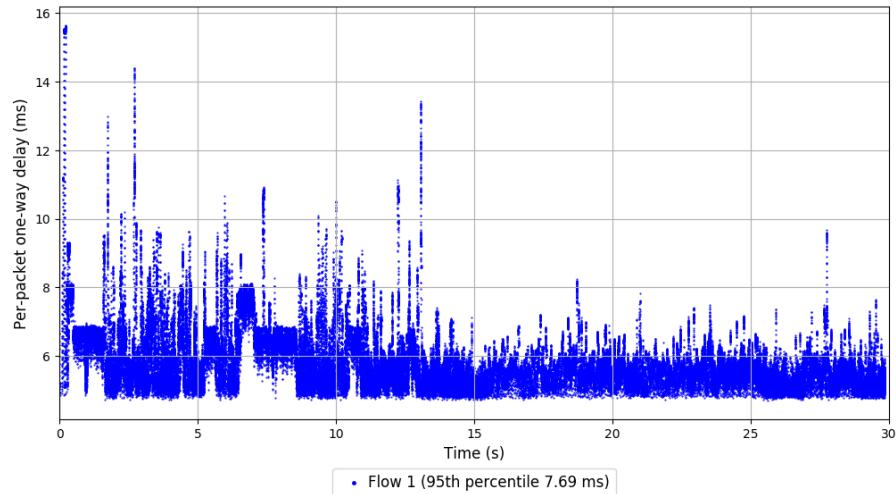
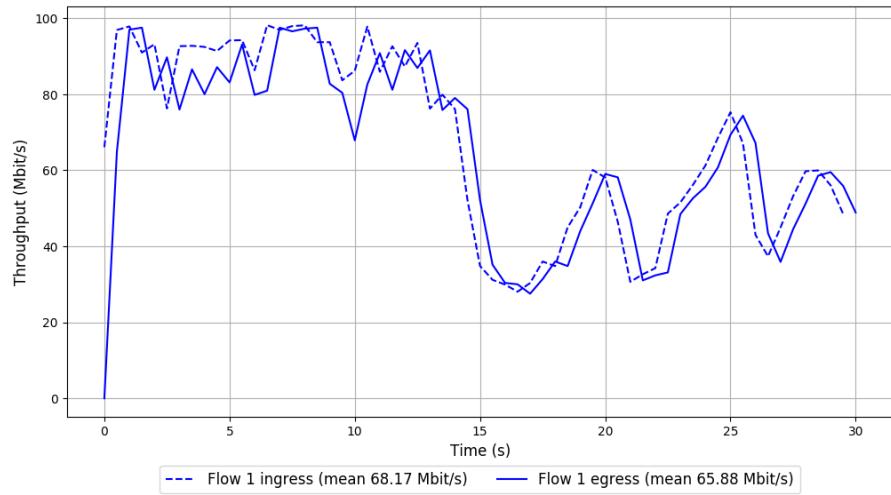


Run 1: Statistics of Indigo

```
Start at: 2018-06-29 12:55:17
End at: 2018-06-29 12:55:47
Local clock offset: 3.374 ms
Remote clock offset: -6.789 ms

# Below is generated by plot.py at 2018-06-29 16:09:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 7.686 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 7.686 ms
Loss rate: 3.36%
```

## Run 1: Report of Indigo — Data Link

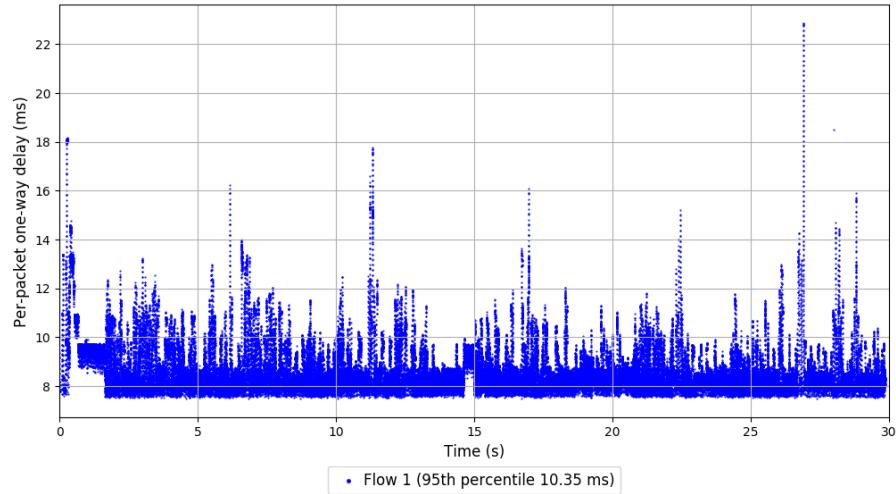
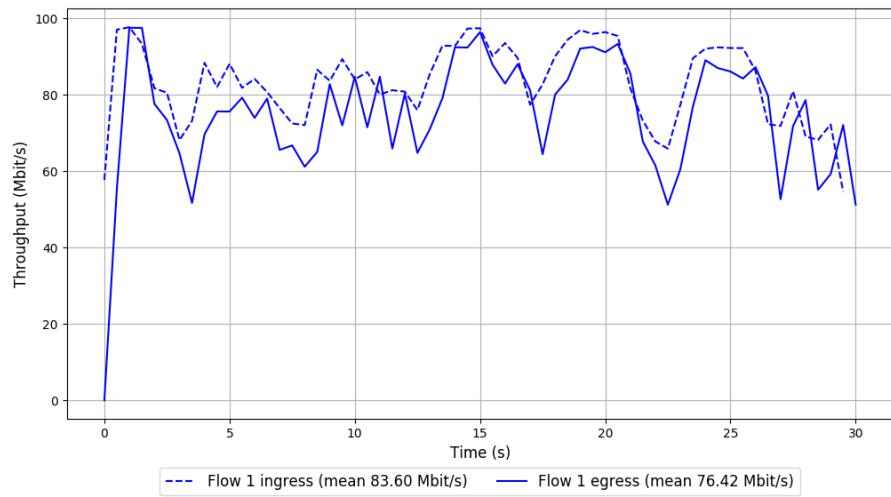


Run 2: Statistics of Indigo

```
Start at: 2018-06-29 13:14:22
End at: 2018-06-29 13:14:52
Local clock offset: 2.25 ms
Remote clock offset: -4.664 ms

# Below is generated by plot.py at 2018-06-29 16:09:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 10.352 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 10.352 ms
Loss rate: 8.60%
```

## Run 2: Report of Indigo — Data Link

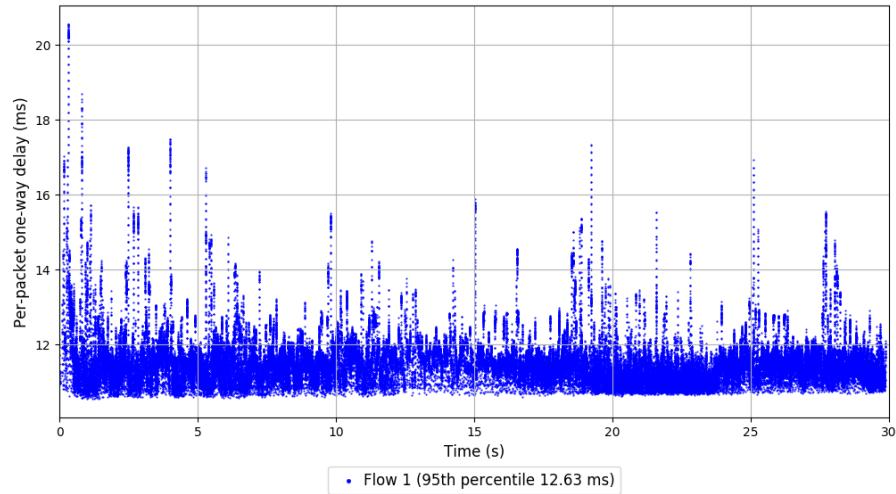
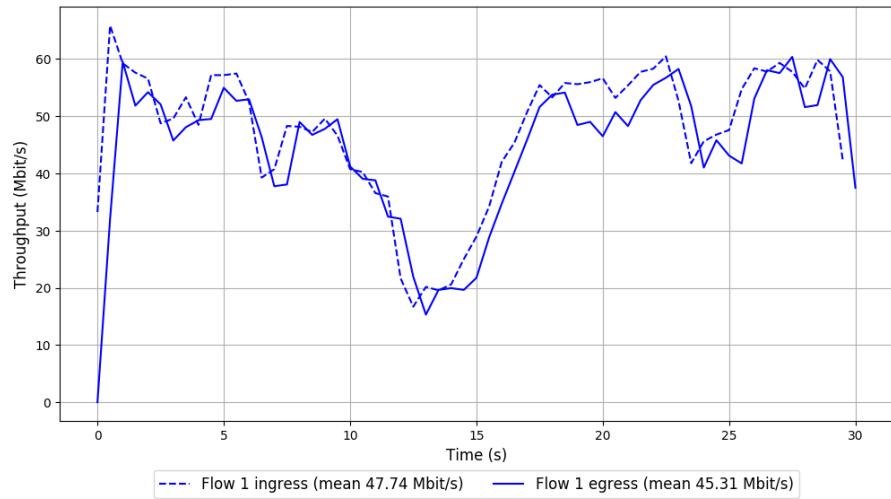


Run 3: Statistics of Indigo

```
Start at: 2018-06-29 13:33:50
End at: 2018-06-29 13:34:20
Local clock offset: 0.246 ms
Remote clock offset: -10.463 ms

# Below is generated by plot.py at 2018-06-29 16:09:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 12.633 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 12.633 ms
Loss rate: 5.08%
```

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

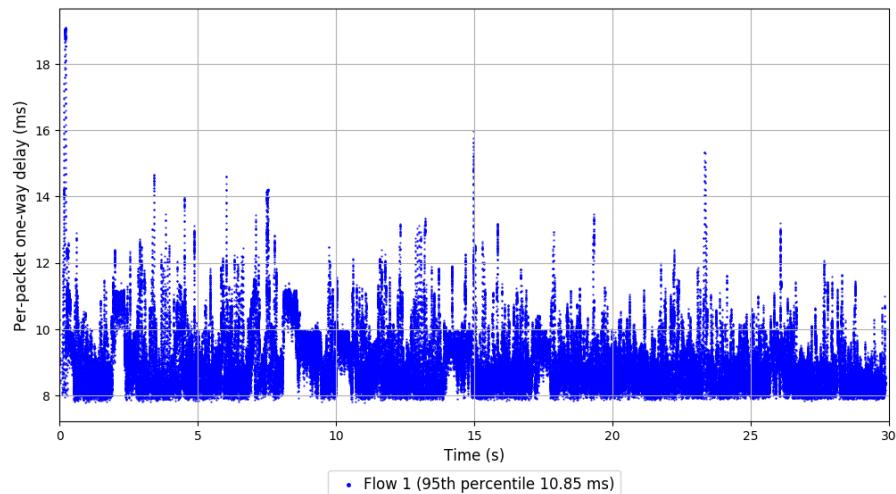
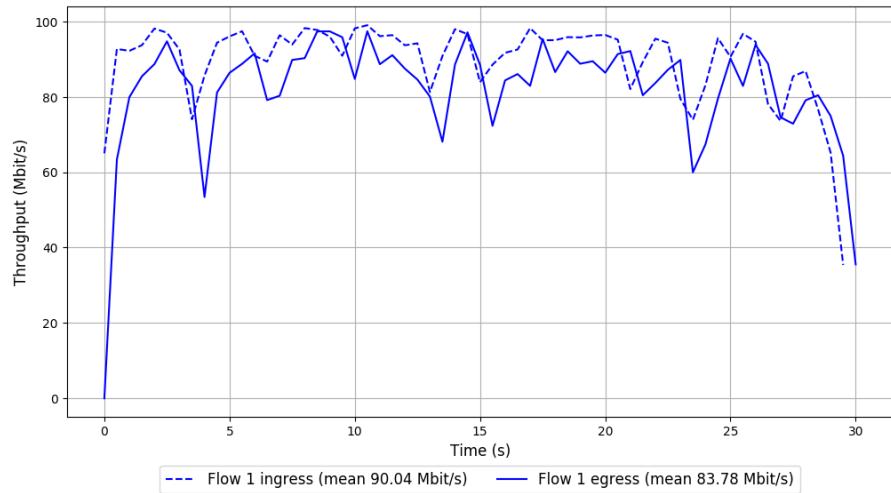


Run 4: Statistics of Indigo

```
Start at: 2018-06-29 13:53:00
End at: 2018-06-29 13:53:30
Local clock offset: -0.297 ms
Remote clock offset: -14.023 ms

# Below is generated by plot.py at 2018-06-29 16:09:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 10.852 ms
Loss rate: 6.96%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 10.852 ms
Loss rate: 6.96%
```

## Run 4: Report of Indigo — Data Link

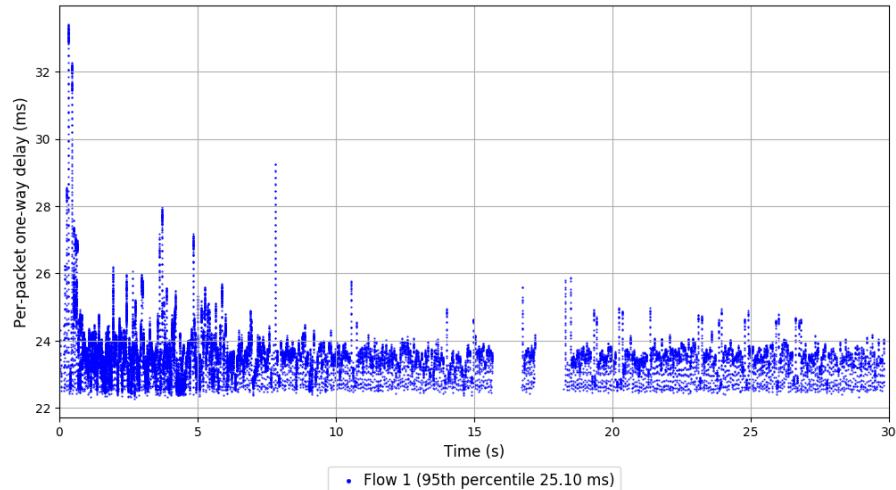
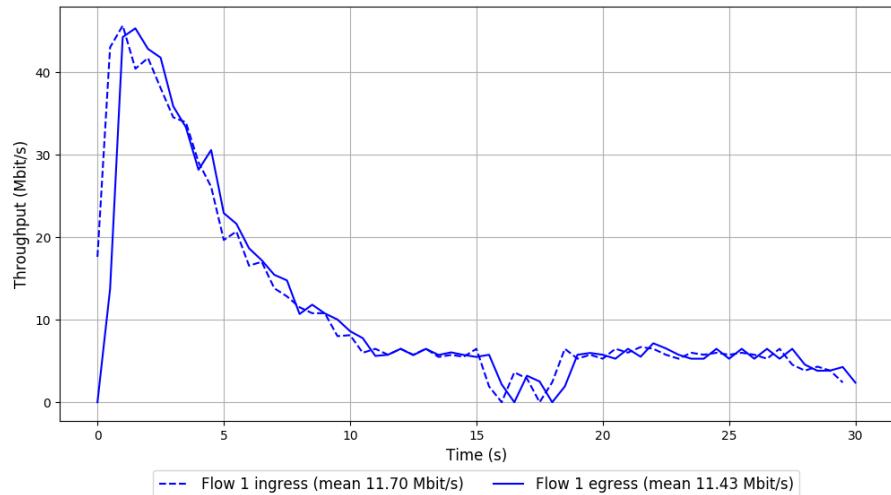


Run 5: Statistics of Indigo

```
Start at: 2018-06-29 14:12:18
End at: 2018-06-29 14:12:48
Local clock offset: 1.817 ms
Remote clock offset: 2.858 ms

# Below is generated by plot.py at 2018-06-29 16:09:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 25.103 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 25.103 ms
Loss rate: 2.34%
```

Run 5: Report of Indigo — Data Link

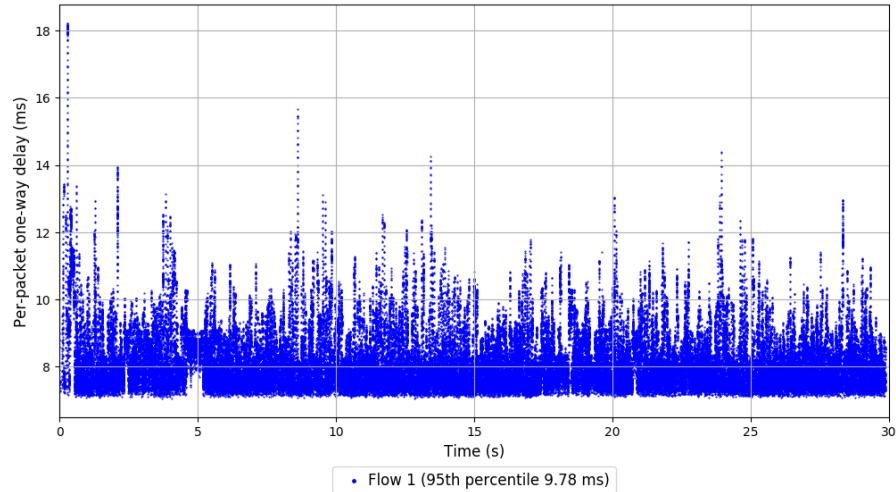
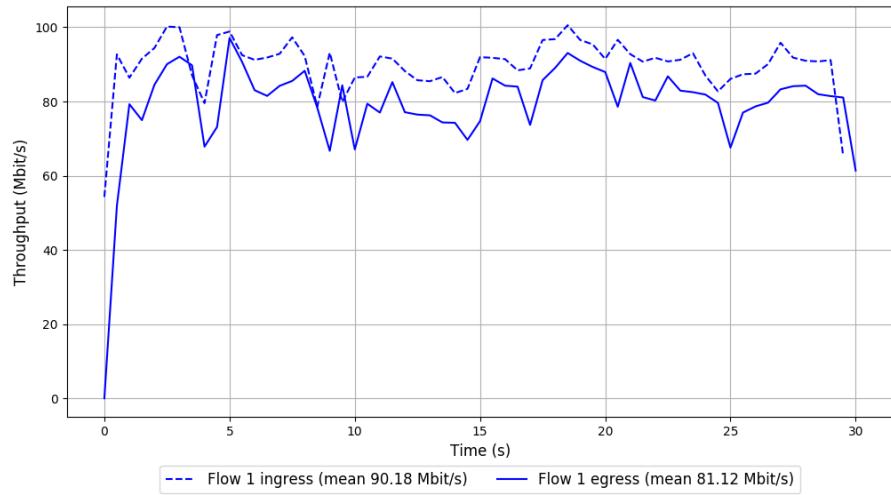


Run 6: Statistics of Indigo

```
Start at: 2018-06-29 14:31:34
End at: 2018-06-29 14:32:04
Local clock offset: 1.62 ms
Remote clock offset: -12.223 ms

# Below is generated by plot.py at 2018-06-29 16:10:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 9.778 ms
Loss rate: 10.05%
-- Flow 1:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 9.778 ms
Loss rate: 10.05%
```

## Run 6: Report of Indigo — Data Link

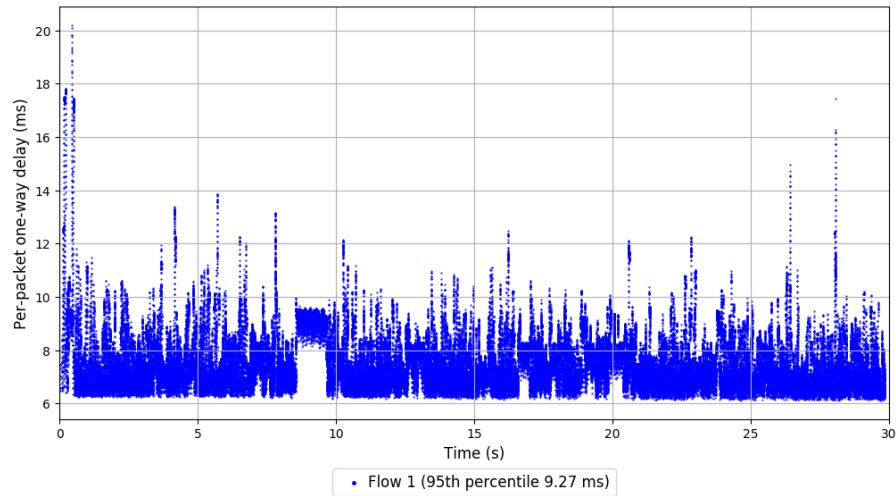
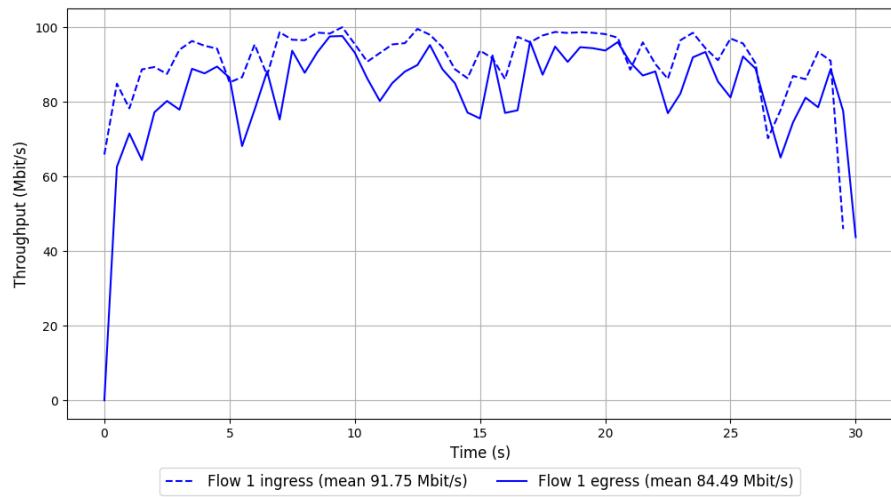


Run 7: Statistics of Indigo

```
Start at: 2018-06-29 14:50:51
End at: 2018-06-29 14:51:21
Local clock offset: 1.601 ms
Remote clock offset: -4.41 ms

# Below is generated by plot.py at 2018-06-29 16:10:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 9.272 ms
Loss rate: 7.91%
-- Flow 1:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 9.272 ms
Loss rate: 7.91%
```

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

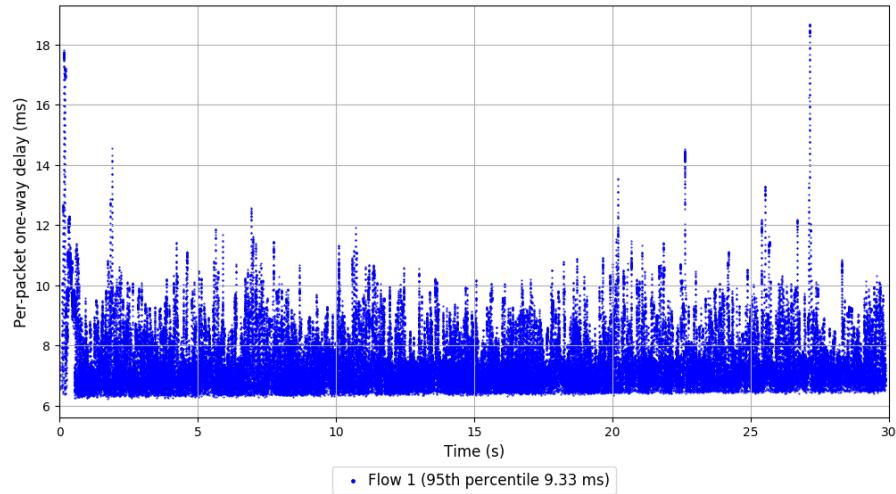
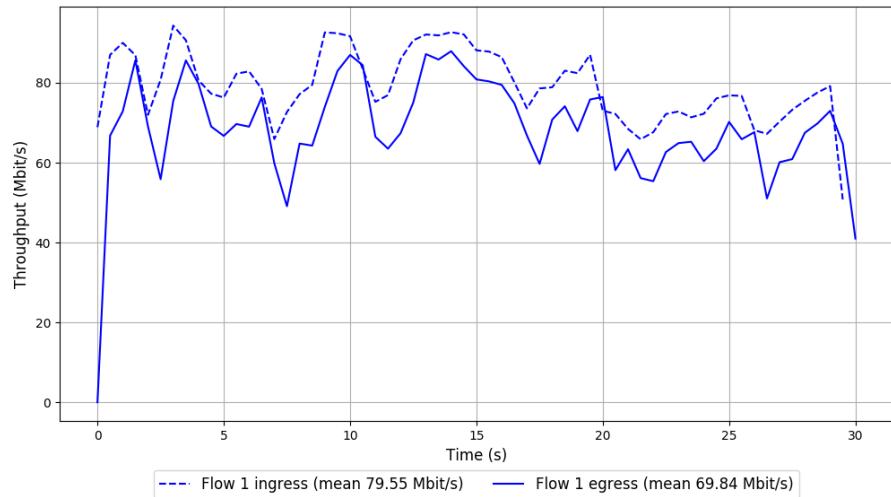


Run 8: Statistics of Indigo

```
Start at: 2018-06-29 15:10:25
End at: 2018-06-29 15:10:55
Local clock offset: 0.253 ms
Remote clock offset: -3.64 ms

# Below is generated by plot.py at 2018-06-29 16:10:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 9.331 ms
Loss rate: 12.21%
-- Flow 1:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 9.331 ms
Loss rate: 12.21%
```

Run 8: Report of Indigo — Data Link

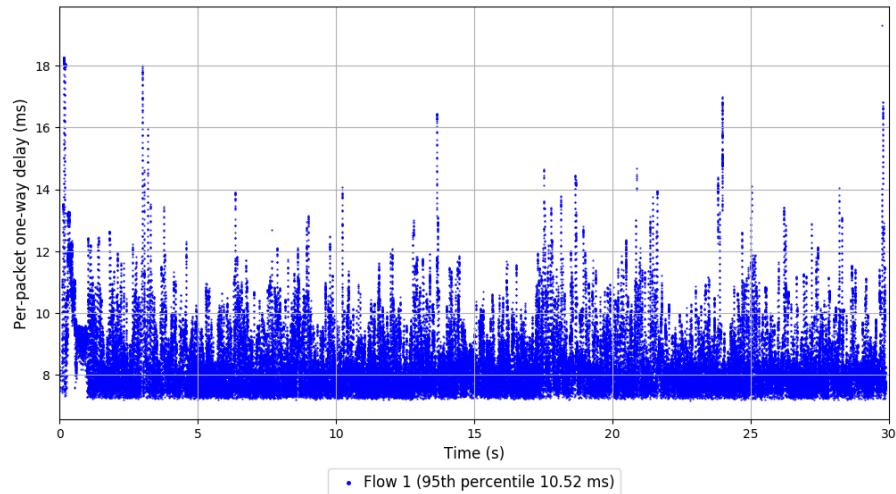
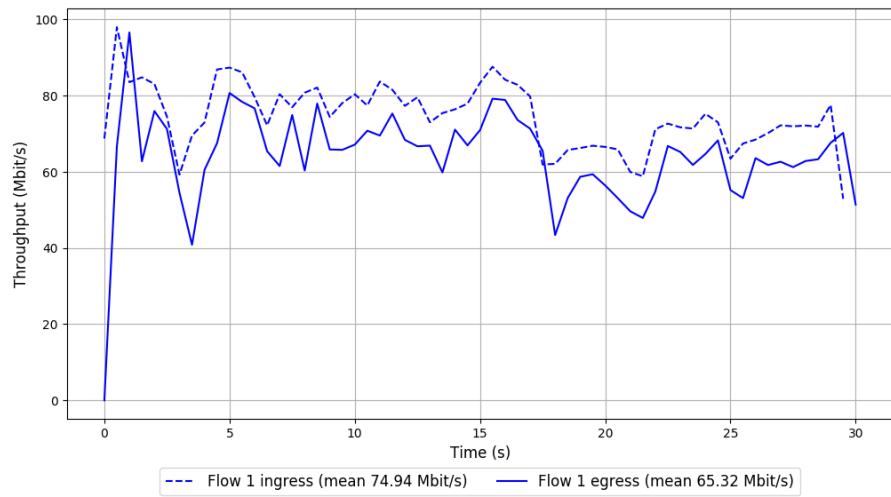


Run 9: Statistics of Indigo

```
Start at: 2018-06-29 15:30:00
End at: 2018-06-29 15:30:30
Local clock offset: 0.251 ms
Remote clock offset: -5.489 ms

# Below is generated by plot.py at 2018-06-29 16:10:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 10.515 ms
Loss rate: 12.84%
-- Flow 1:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 10.515 ms
Loss rate: 12.84%
```

## Run 9: Report of Indigo — Data Link

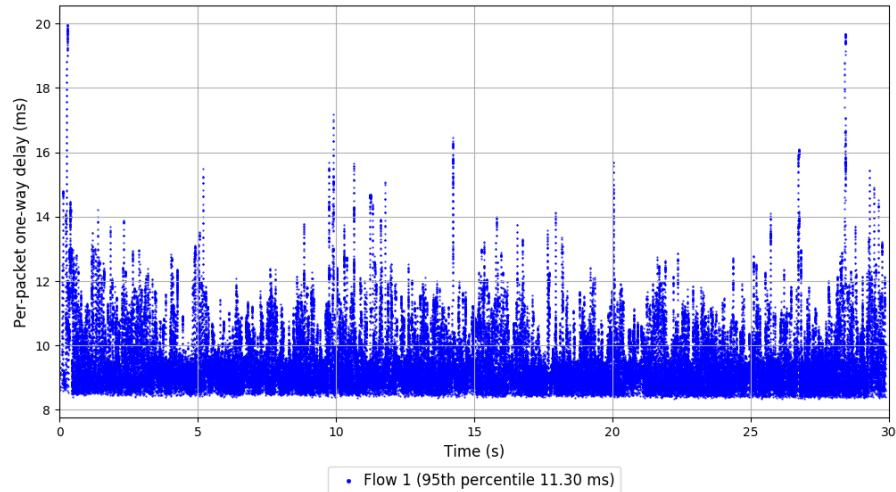
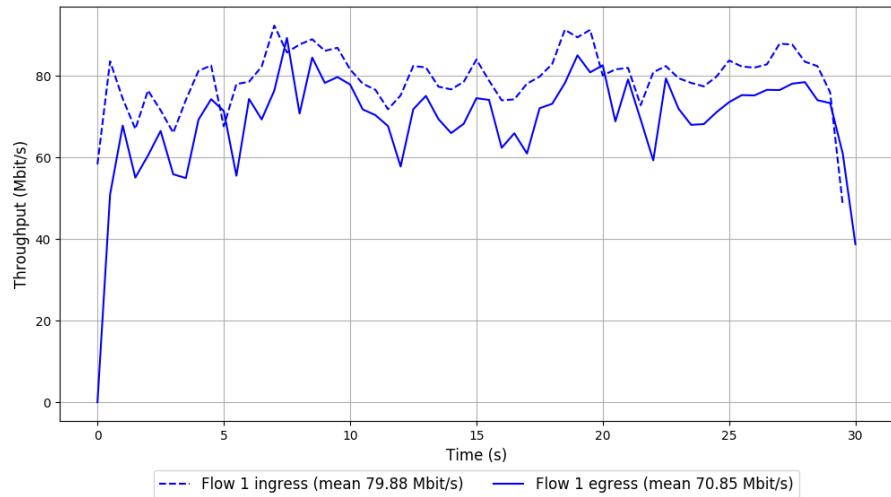


Run 10: Statistics of Indigo

```
Start at: 2018-06-29 15:49:32
End at: 2018-06-29 15:50:02
Local clock offset: -0.9 ms
Remote clock offset: -3.975 ms

# Below is generated by plot.py at 2018-06-29 16:10:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 11.303 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 11.303 ms
Loss rate: 11.30%
```

## Run 10: Report of Indigo — Data Link

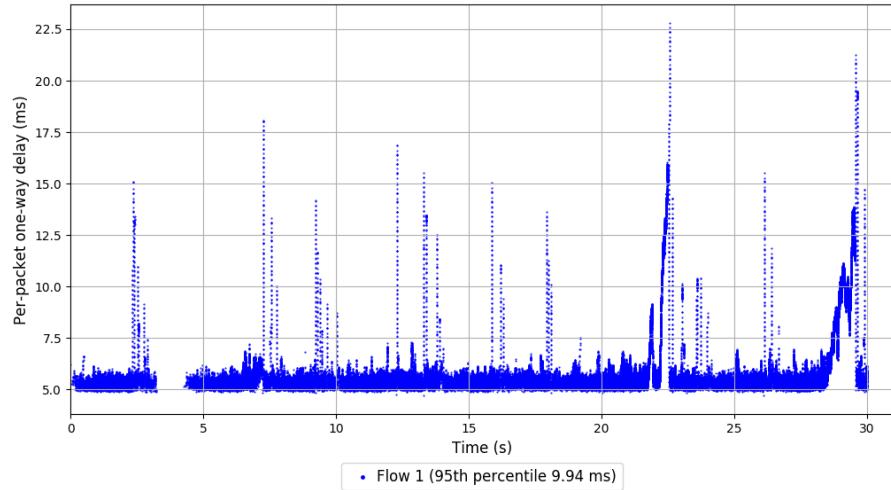
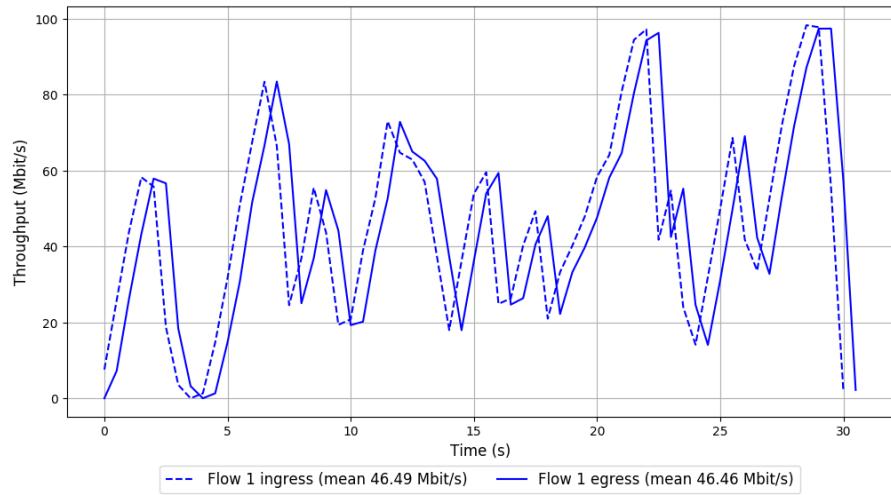


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-29 12:54:10
End at: 2018-06-29 12:54:40
Local clock offset: 3.37 ms
Remote clock offset: -6.653 ms

# Below is generated by plot.py at 2018-06-29 16:10:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 9.935 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 9.935 ms
Loss rate: 0.06%
```

Run 1: Report of LEDBAT — Data Link

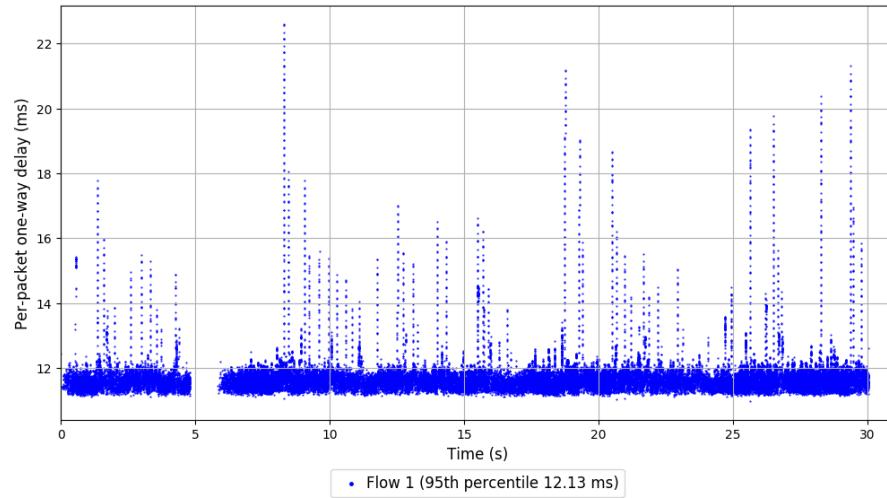
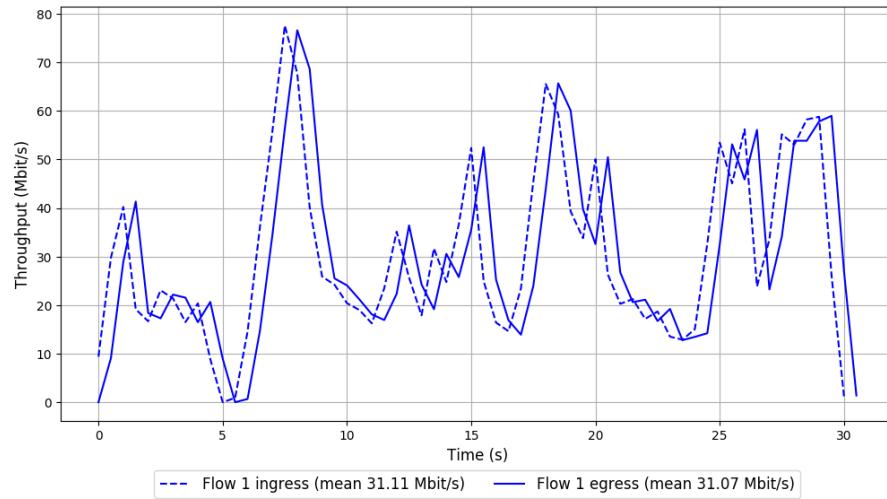


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-29 13:13:15
End at: 2018-06-29 13:13:45
Local clock offset: -1.944 ms
Remote clock offset: -5.299 ms

# Below is generated by plot.py at 2018-06-29 16:10:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 12.133 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 12.133 ms
Loss rate: 0.13%
```

## Run 2: Report of LEDBAT — Data Link

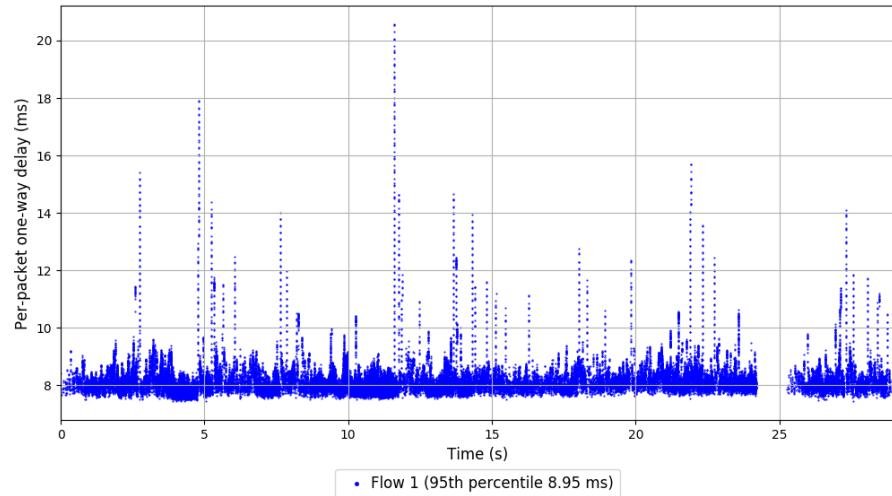
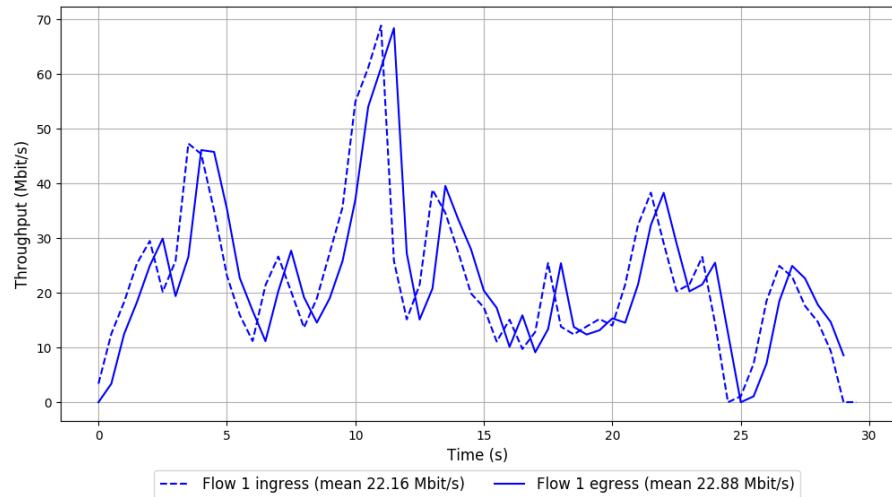


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-29 13:32:41
End at: 2018-06-29 13:33:11
Local clock offset: -0.397 ms
Remote clock offset: -10.003 ms

# Below is generated by plot.py at 2018-06-29 16:10:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 8.953 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 8.953 ms
Loss rate: 0.37%
```

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

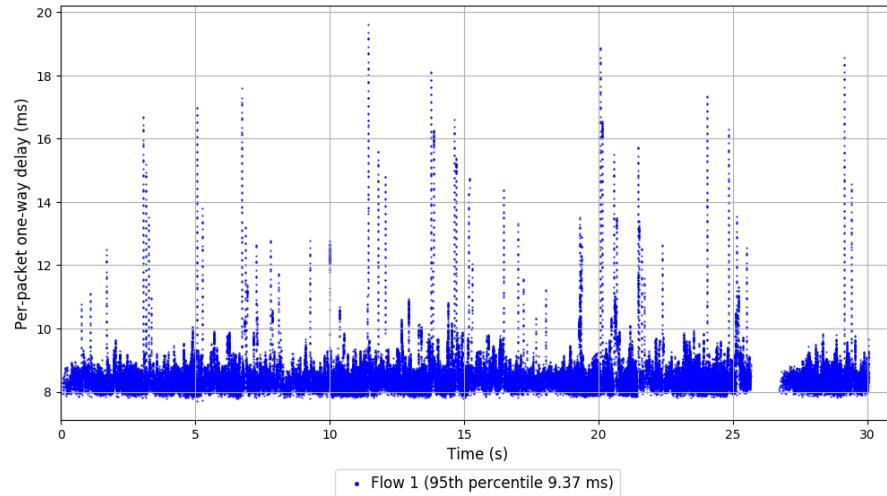
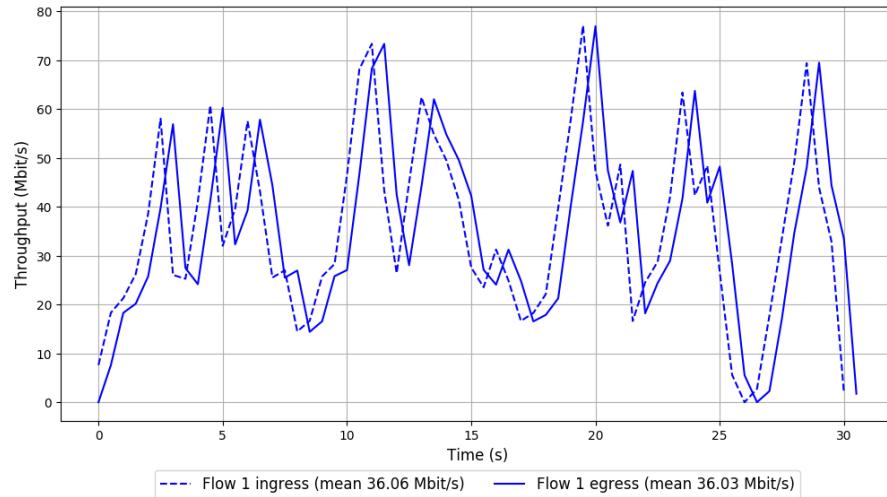


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-29 13:51:53
End at: 2018-06-29 13:52:23
Local clock offset: -0.173 ms
Remote clock offset: -13.817 ms

# Below is generated by plot.py at 2018-06-29 16:10:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 9.365 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 9.365 ms
Loss rate: 0.07%
```

Run 4: Report of LEDBAT — Data Link

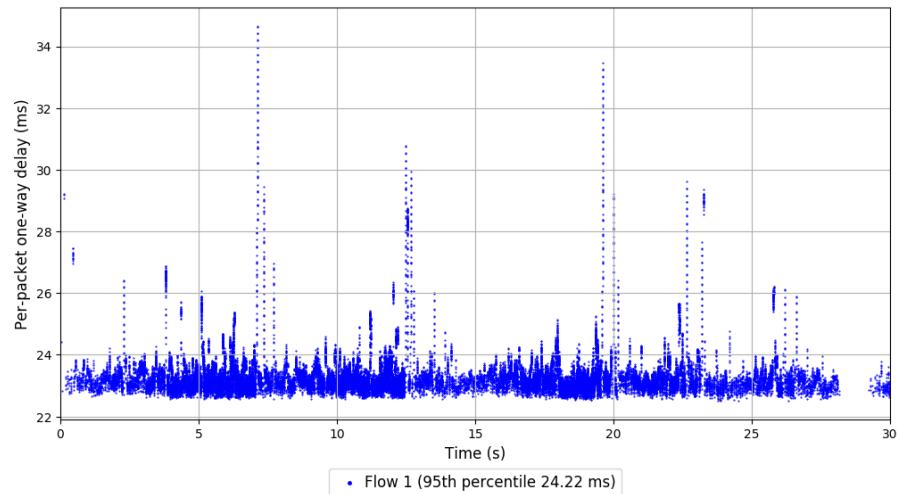
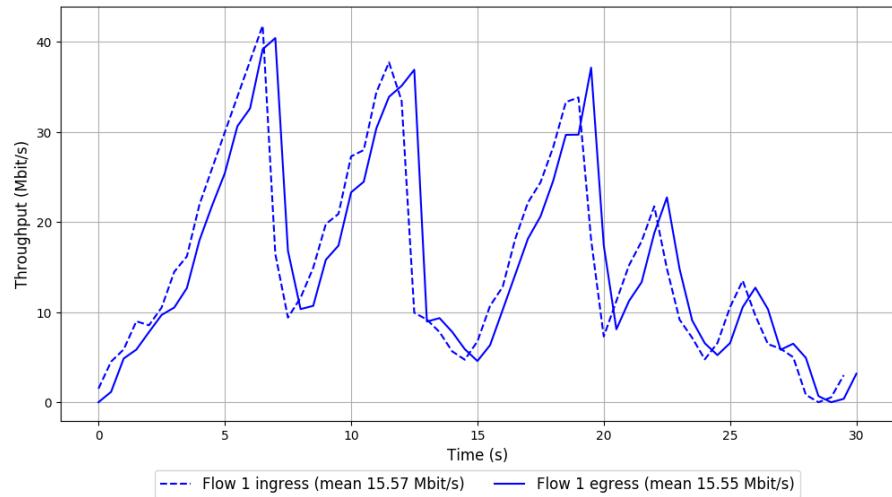


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-29 14:11:11
End at: 2018-06-29 14:11:41
Local clock offset: 0.168 ms
Remote clock offset: 3.318 ms

# Below is generated by plot.py at 2018-06-29 16:10:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 0.12%
```

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

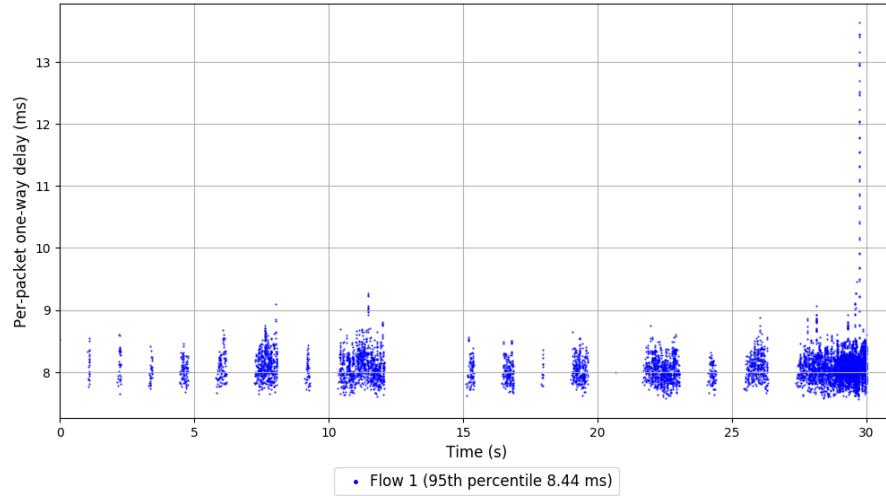
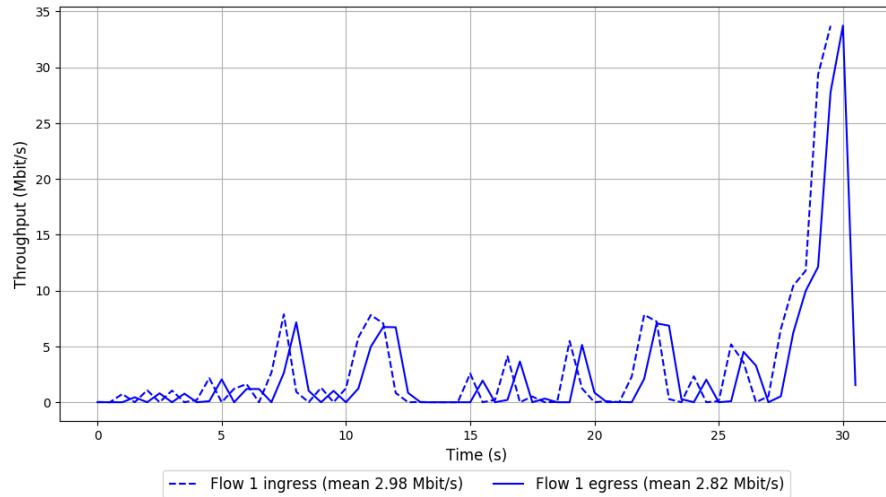


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-29 14:30:30
End at: 2018-06-29 14:31:00
Local clock offset: 1.8 ms
Remote clock offset: -11.545 ms

# Below is generated by plot.py at 2018-06-29 16:10:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 8.441 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 8.441 ms
Loss rate: 5.56%
```

Run 6: Report of LEDBAT — Data Link

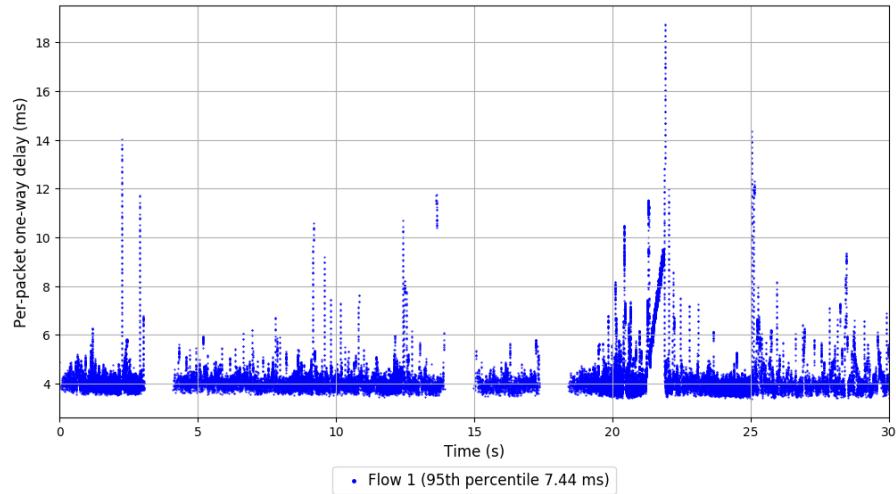
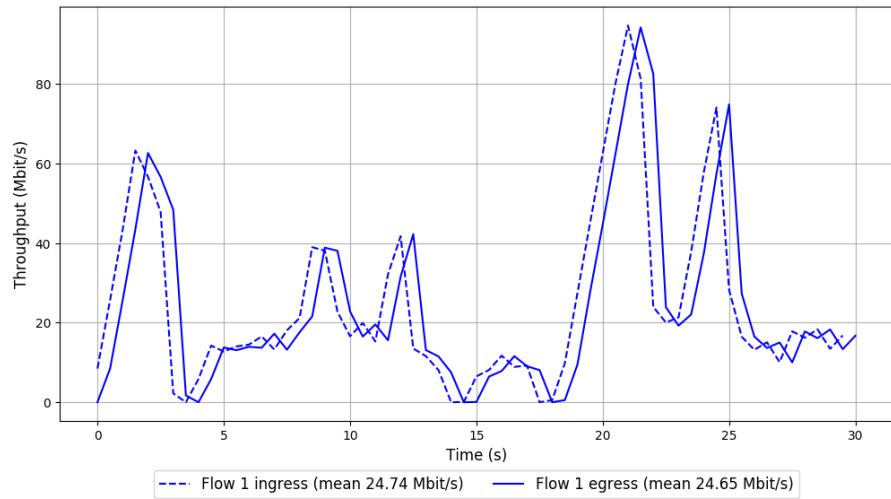


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-29 14:49:44
End at: 2018-06-29 14:50:14
Local clock offset: 3.186 ms
Remote clock offset: -5.837 ms

# Below is generated by plot.py at 2018-06-29 16:10:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 7.436 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 7.436 ms
Loss rate: 0.34%
```

Run 7: Report of LEDBAT — Data Link

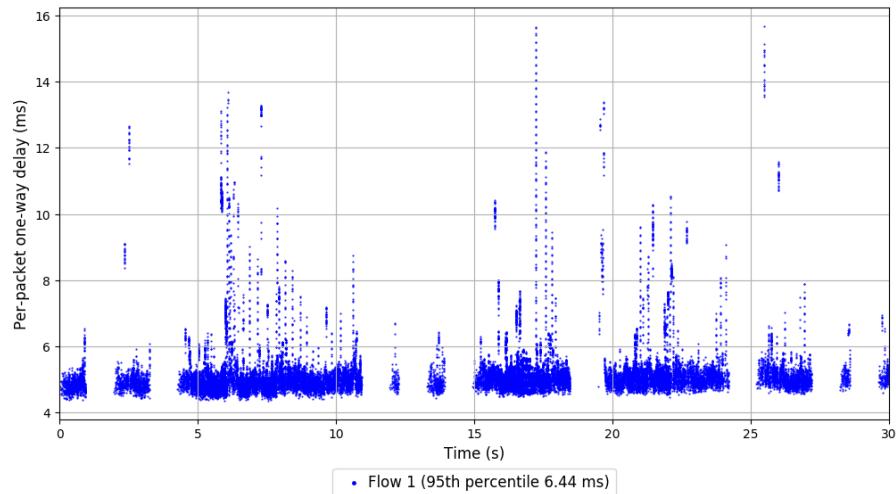
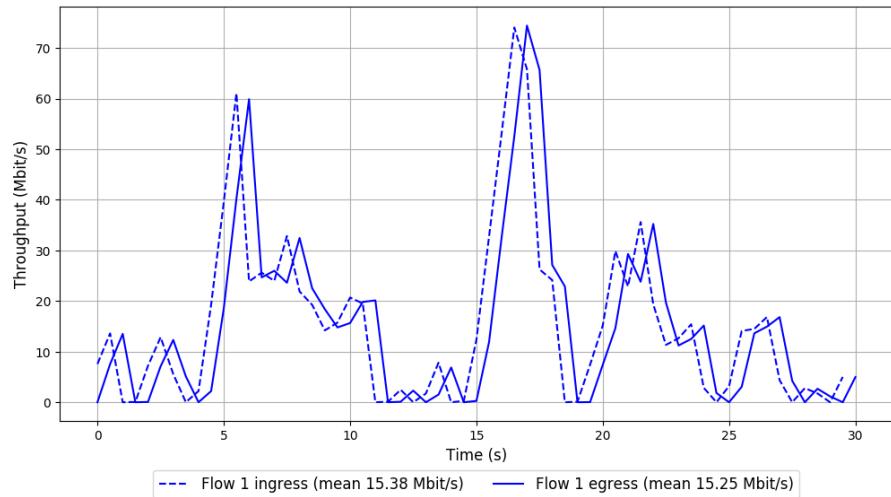


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-29 15:09:19
End at: 2018-06-29 15:09:49
Local clock offset: 2.195 ms
Remote clock offset: -3.185 ms

# Below is generated by plot.py at 2018-06-29 16:10:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 6.436 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 6.436 ms
Loss rate: 0.83%
```

Run 8: Report of LEDBAT — Data Link

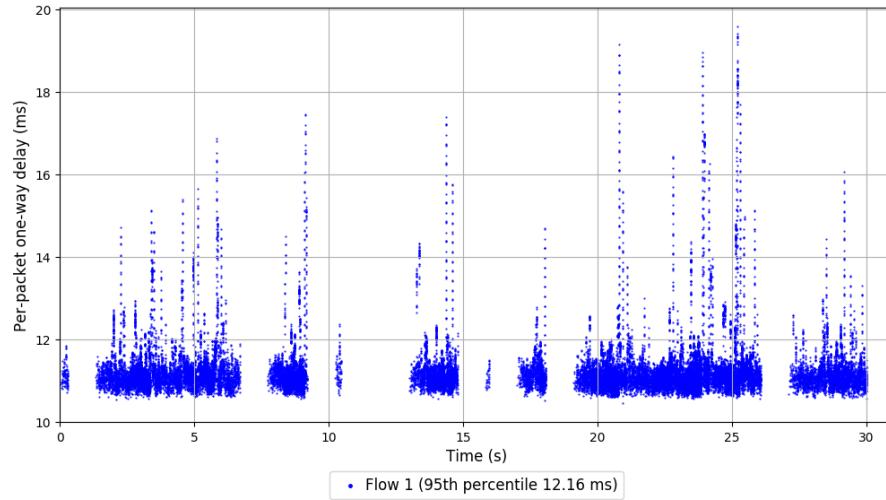
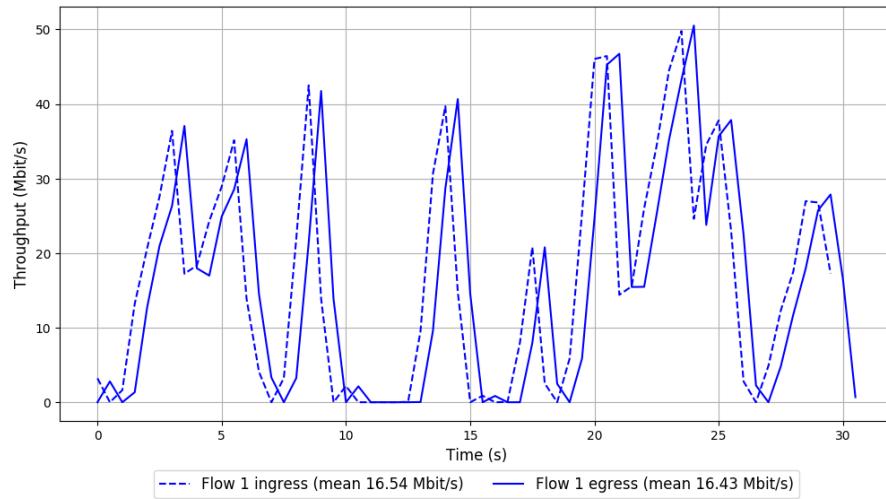


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-29 15:28:55
End at: 2018-06-29 15:29:25
Local clock offset: -2.87 ms
Remote clock offset: -5.236 ms

# Below is generated by plot.py at 2018-06-29 16:10:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 12.164 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 12.164 ms
Loss rate: 0.66%
```

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

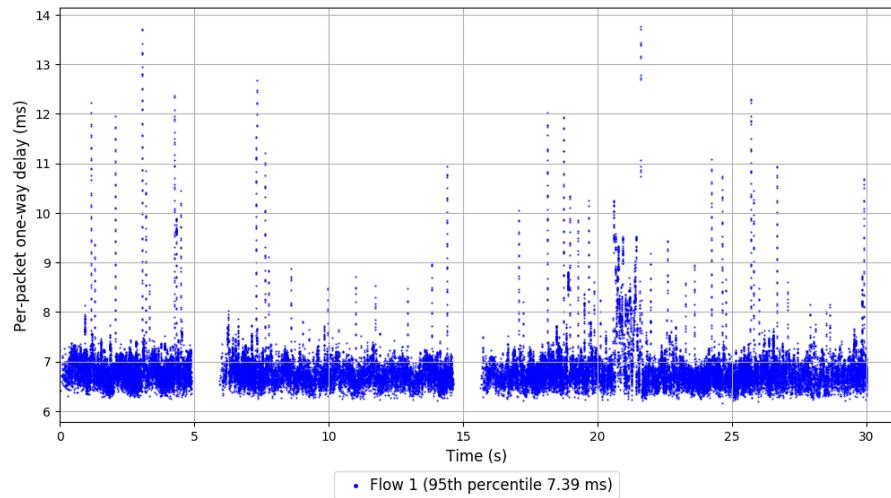
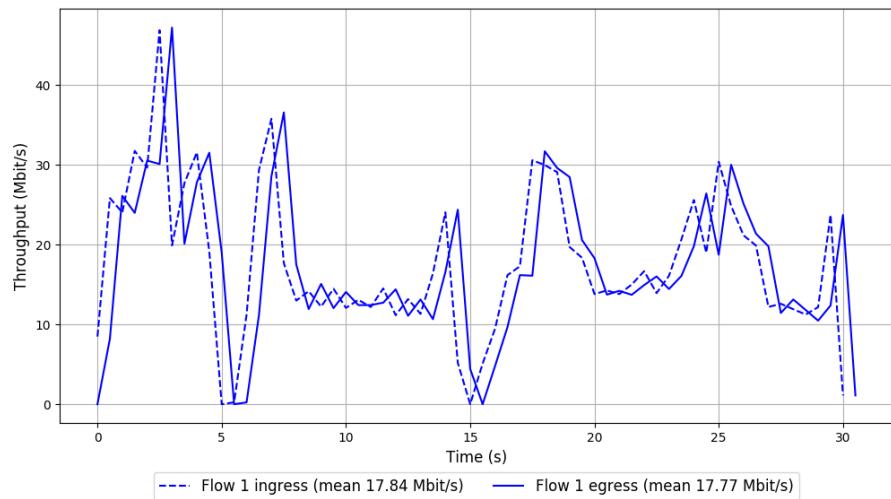


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-29 15:48:27
End at: 2018-06-29 15:48:57
Local clock offset: 2.622 ms
Remote clock offset: -4.443 ms

# Below is generated by plot.py at 2018-06-29 16:10:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 7.392 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 7.392 ms
Loss rate: 0.39%
```

Run 10: Report of LEDBAT — Data Link

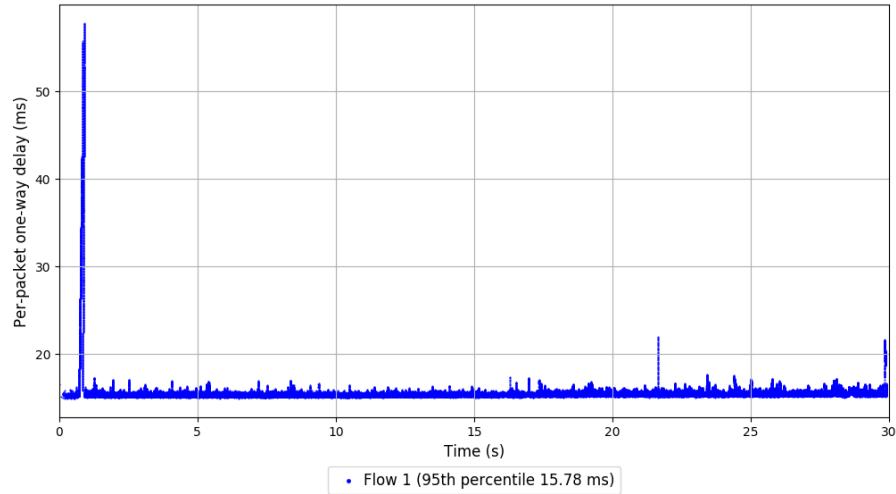
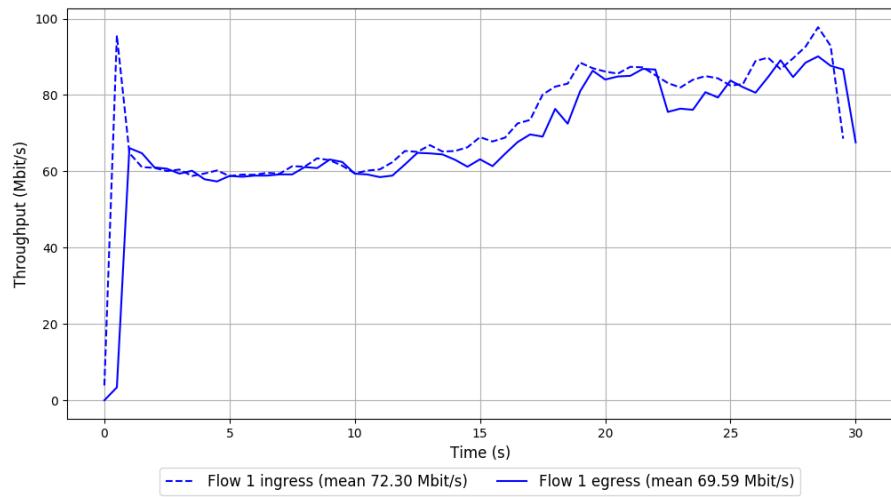


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-29 12:50:40
End at: 2018-06-29 12:51:10
Local clock offset: 2.054 ms
Remote clock offset: 2.172 ms

# Below is generated by plot.py at 2018-06-29 16:11:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 15.784 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 15.784 ms
Loss rate: 3.76%
```

Run 1: Report of PCC-Allegro — Data Link

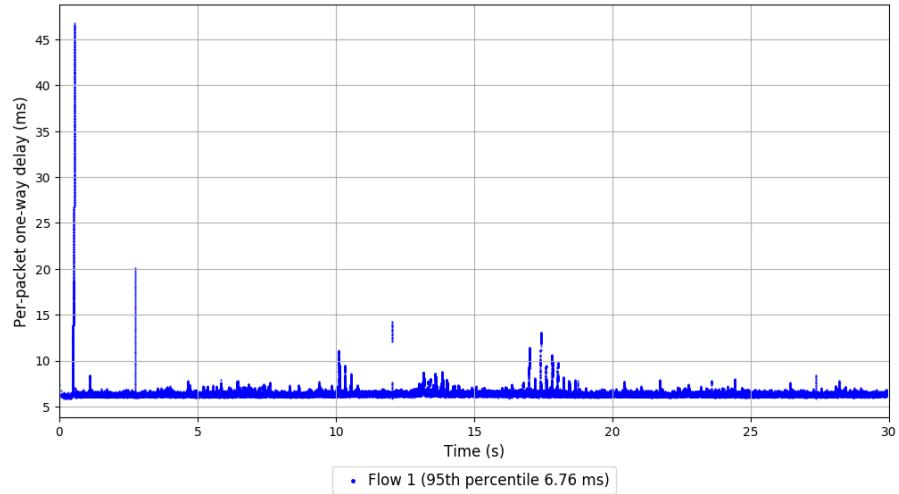
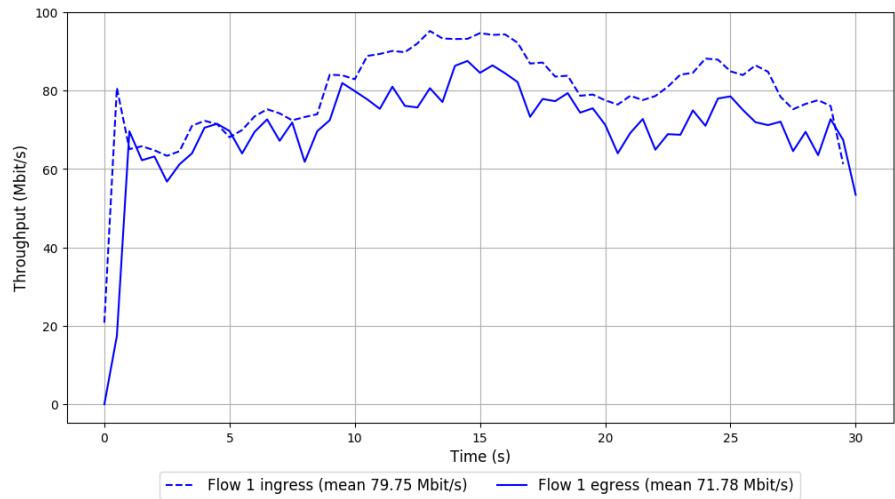


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-29 13:09:48
End at: 2018-06-29 13:10:18
Local clock offset: 3.694 ms
Remote clock offset: -4.969 ms

# Below is generated by plot.py at 2018-06-29 16:11:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.78 Mbit/s
95th percentile per-packet one-way delay: 6.758 ms
Loss rate: 10.00%
-- Flow 1:
Average throughput: 71.78 Mbit/s
95th percentile per-packet one-way delay: 6.758 ms
Loss rate: 10.00%
```

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

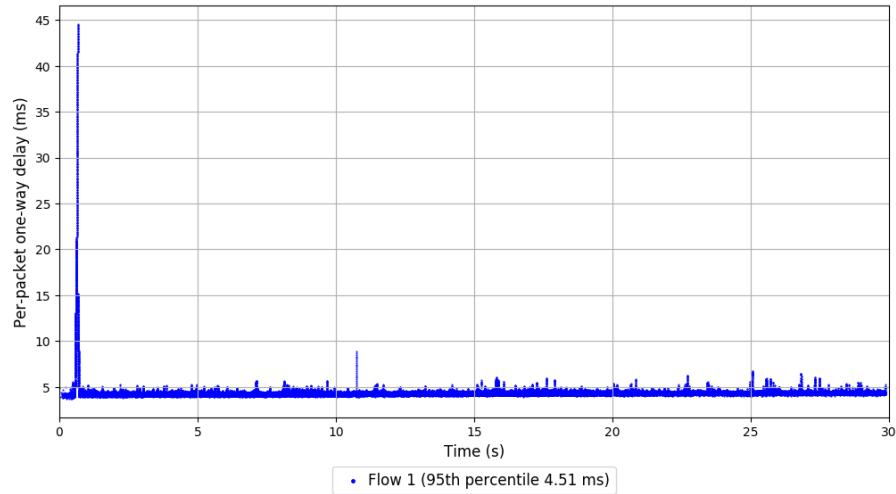
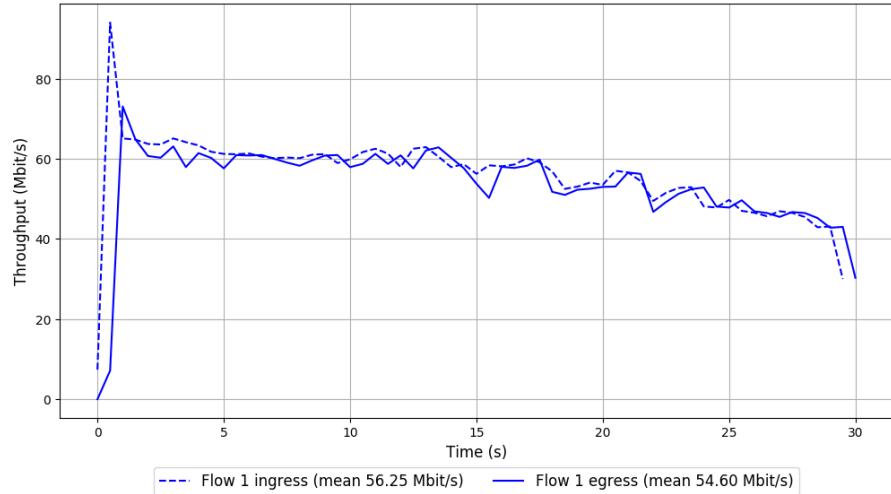


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-29 13:29:13
End at: 2018-06-29 13:29:43
Local clock offset: 1.32 ms
Remote clock offset: -9.24 ms

# Below is generated by plot.py at 2018-06-29 16:11:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 4.508 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 4.508 ms
Loss rate: 2.93%
```

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

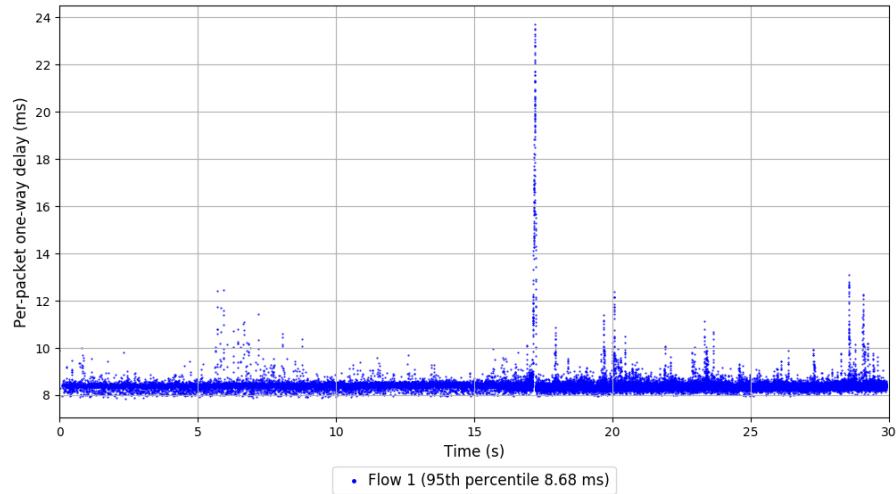
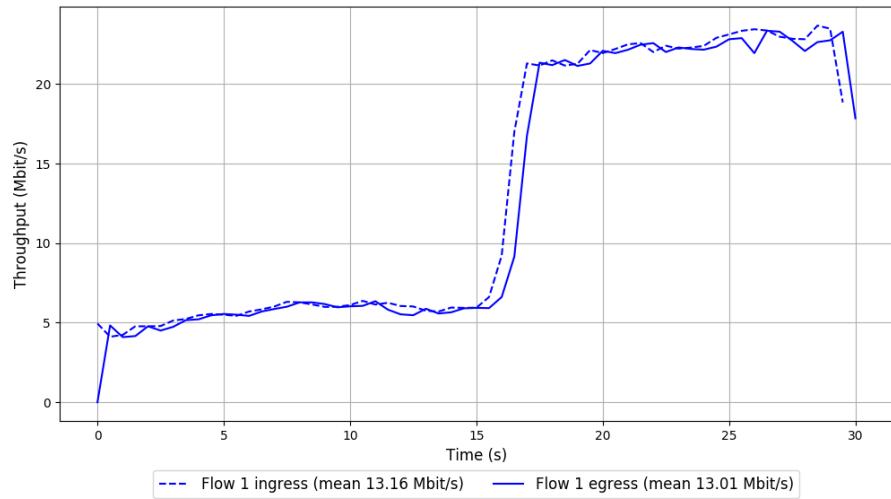


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-29 13:48:23
End at: 2018-06-29 13:48:53
Local clock offset: -0.416 ms
Remote clock offset: -13.22 ms

# Below is generated by plot.py at 2018-06-29 16:11:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 8.681 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 8.681 ms
Loss rate: 1.08%
```

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

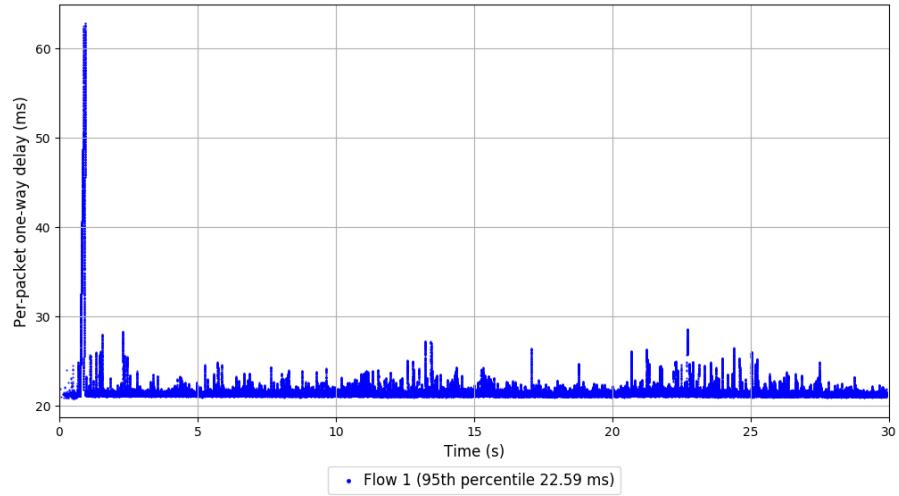
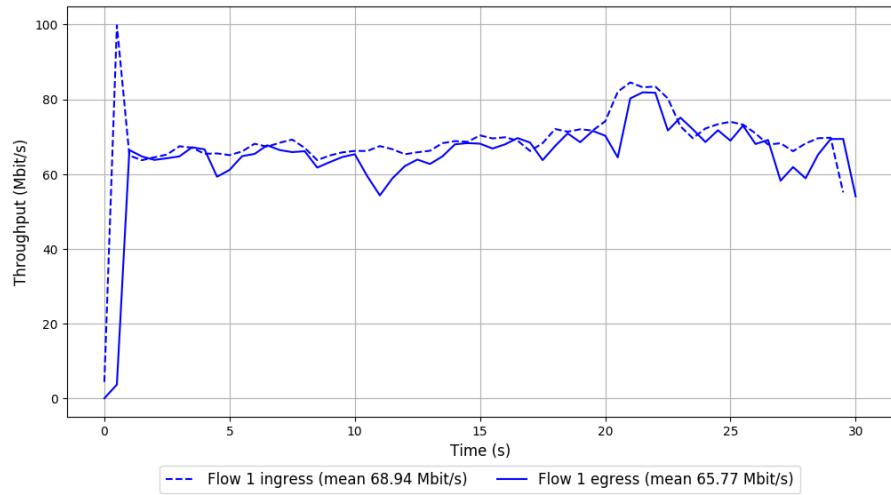


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-29 14:07:36
End at: 2018-06-29 14:08:06
Local clock offset: -0.911 ms
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2018-06-29 16:11:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.77 Mbit/s
95th percentile per-packet one-way delay: 22.588 ms
Loss rate: 4.61%
-- Flow 1:
Average throughput: 65.77 Mbit/s
95th percentile per-packet one-way delay: 22.588 ms
Loss rate: 4.61%
```

Run 5: Report of PCC-Allegro — Data Link

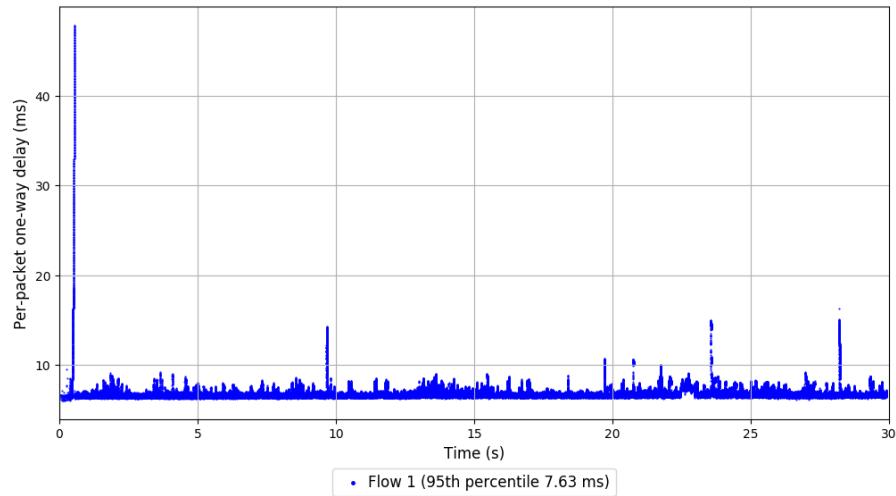
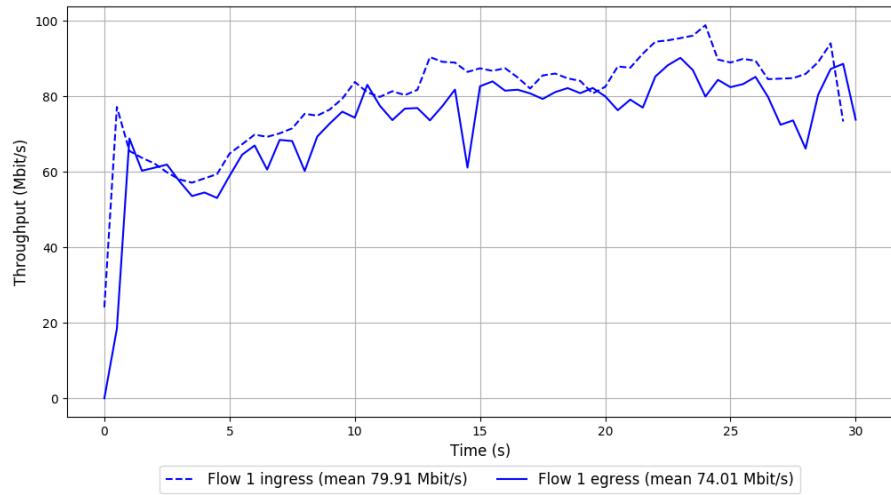


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-29 14:27:06
End at: 2018-06-29 14:27:36
Local clock offset: 1.443 ms
Remote clock offset: -11.578 ms

# Below is generated by plot.py at 2018-06-29 16:11:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.01 Mbit/s
95th percentile per-packet one-way delay: 7.632 ms
Loss rate: 7.38%
-- Flow 1:
Average throughput: 74.01 Mbit/s
95th percentile per-packet one-way delay: 7.632 ms
Loss rate: 7.38%
```

Run 6: Report of PCC-Allegro — Data Link

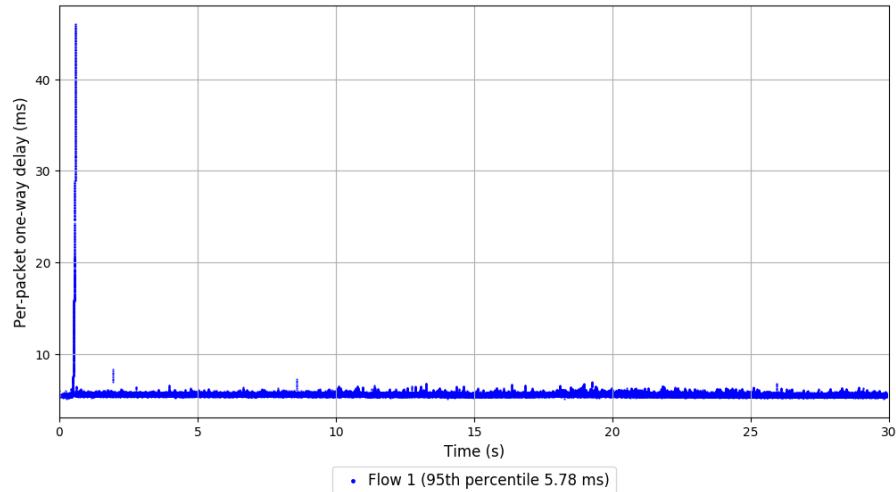
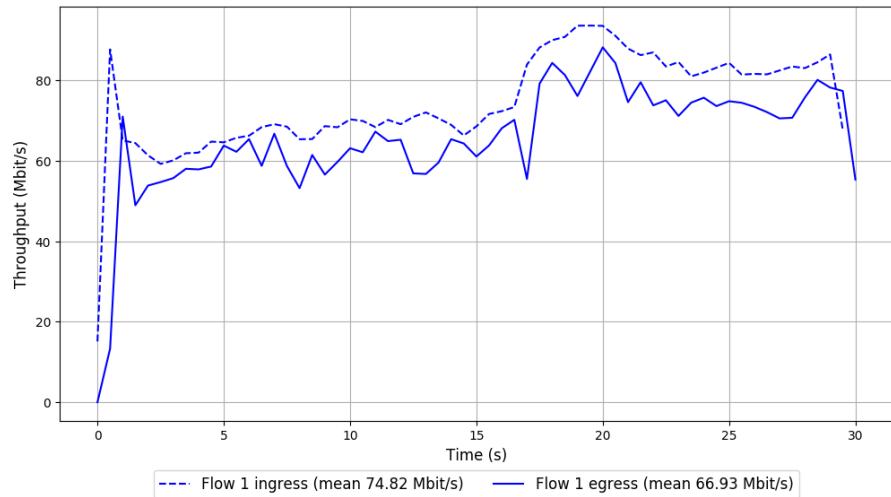


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-29 14:46:16
End at: 2018-06-29 14:46:46
Local clock offset: 3.138 ms
Remote clock offset: -6.657 ms

# Below is generated by plot.py at 2018-06-29 16:11:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 5.776 ms
Loss rate: 10.55%
-- Flow 1:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 5.776 ms
Loss rate: 10.55%
```

Run 7: Report of PCC-Allegro — Data Link

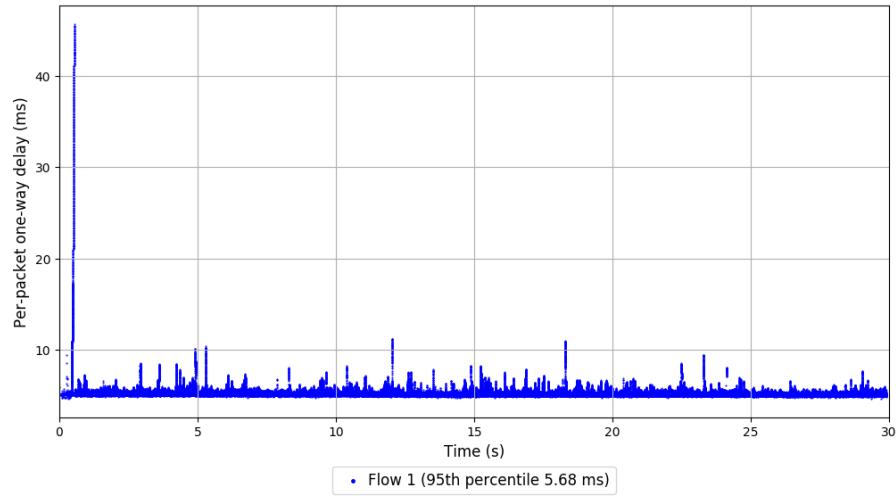
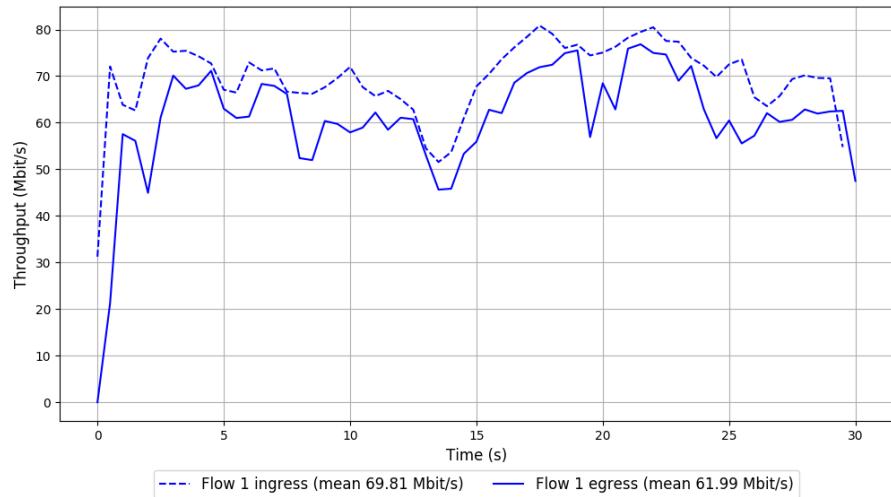


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-29 15:05:45
End at: 2018-06-29 15:06:15
Local clock offset: 1.938 ms
Remote clock offset: -2.993 ms

# Below is generated by plot.py at 2018-06-29 16:11:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 5.682 ms
Loss rate: 11.21%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 5.682 ms
Loss rate: 11.21%
```

Run 8: Report of PCC-Allegro — Data Link

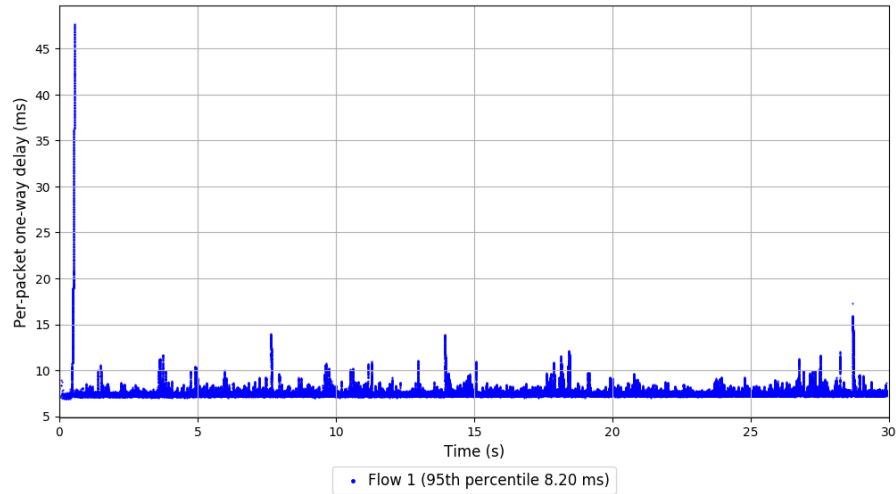
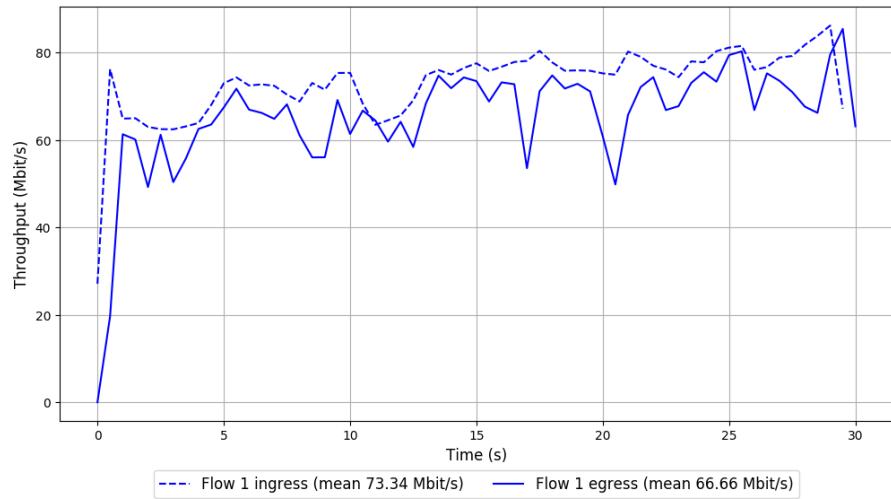


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-29 15:25:20
End at: 2018-06-29 15:25:50
Local clock offset: 0.278 ms
Remote clock offset: -5.441 ms

# Below is generated by plot.py at 2018-06-29 16:11:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.66 Mbit/s
95th percentile per-packet one-way delay: 8.201 ms
Loss rate: 9.11%
-- Flow 1:
Average throughput: 66.66 Mbit/s
95th percentile per-packet one-way delay: 8.201 ms
Loss rate: 9.11%
```

Run 9: Report of PCC-Allegro — Data Link

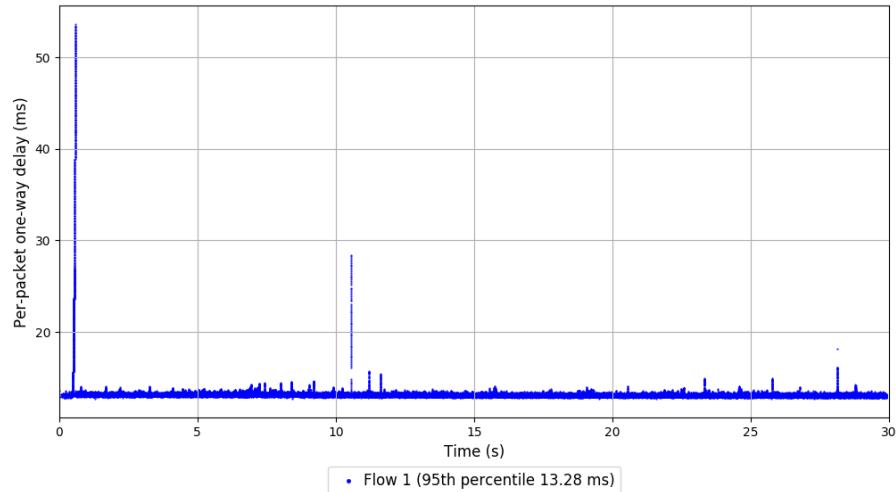
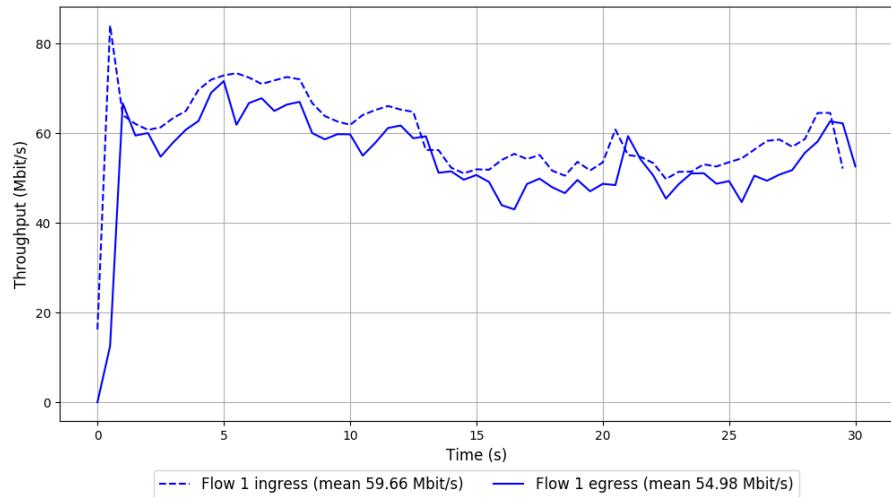


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-29 15:44:53
End at: 2018-06-29 15:45:23
Local clock offset: -2.58 ms
Remote clock offset: -3.904 ms

# Below is generated by plot.py at 2018-06-29 16:11:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 13.276 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 13.276 ms
Loss rate: 7.84%
```

### Run 10: Report of PCC-Allegro — Data Link

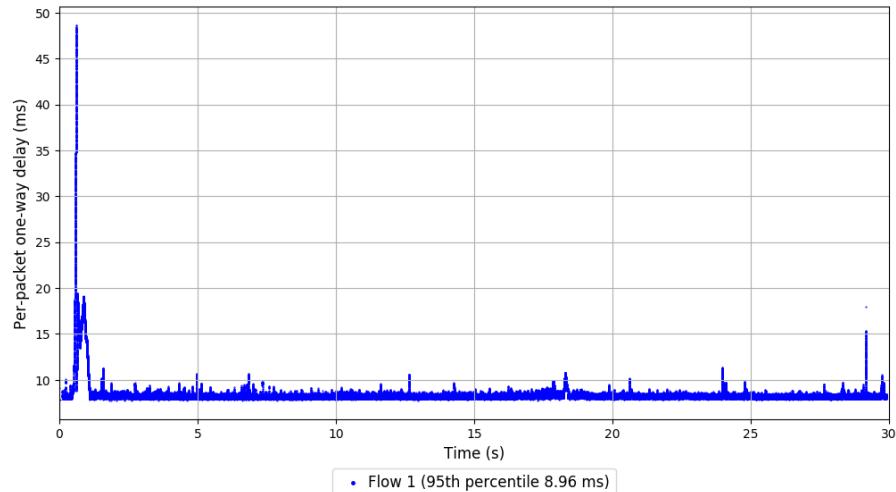
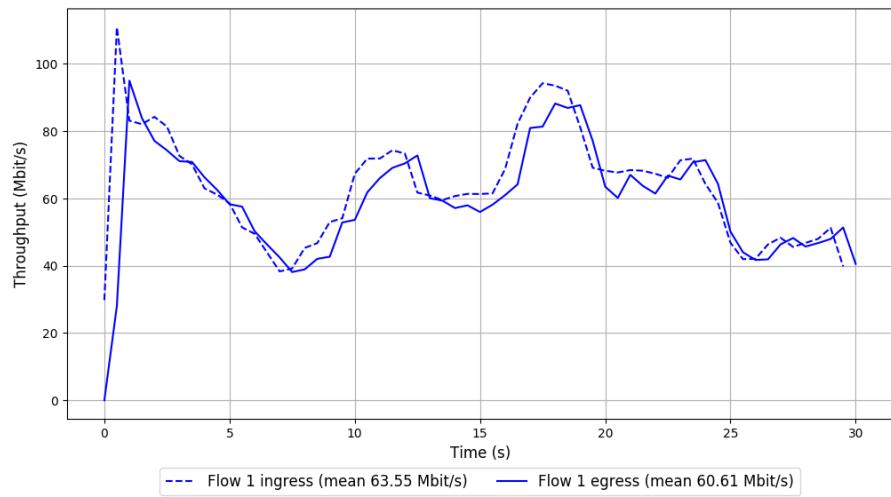


Run 1: Statistics of PCC-Expr

```
Start at: 2018-06-29 12:51:48
End at: 2018-06-29 12:52:18
Local clock offset: -0.408 ms
Remote clock offset: -7.644 ms

# Below is generated by plot.py at 2018-06-29 16:12:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 8.956 ms
Loss rate: 4.64%
-- Flow 1:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 8.956 ms
Loss rate: 4.64%
```

Run 1: Report of PCC-Expr — Data Link

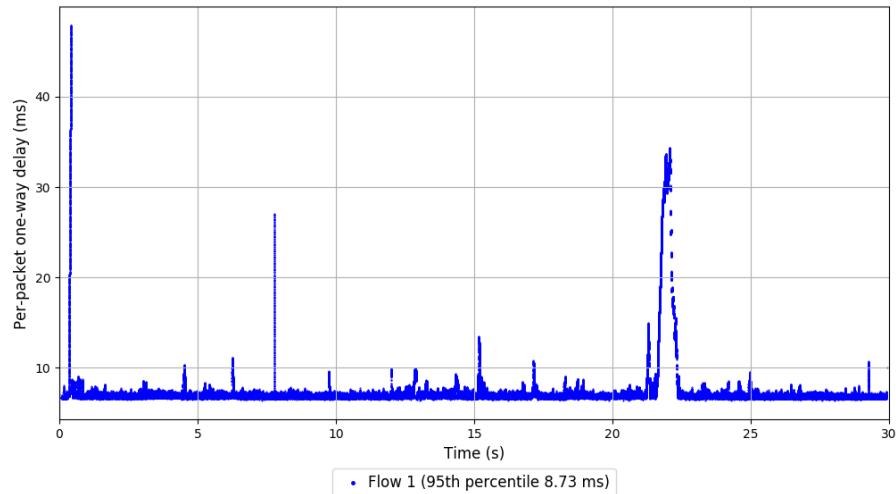
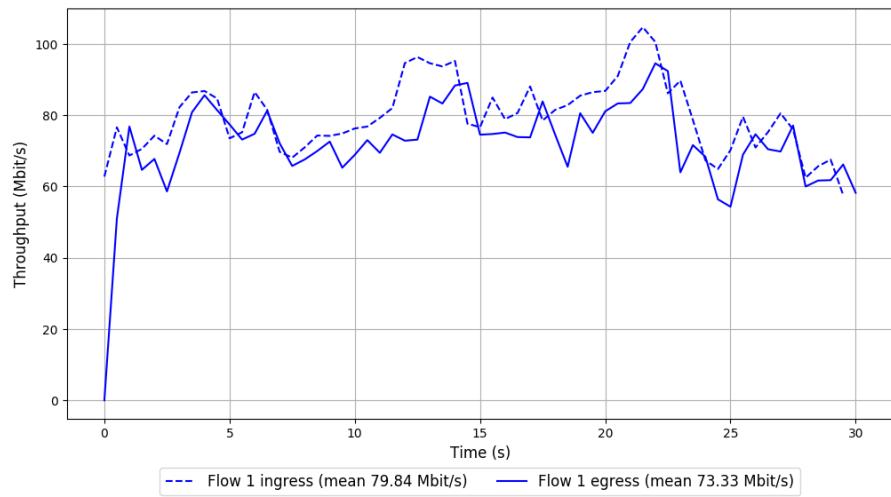


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:10:54
End at: 2018-06-29 13:11:24
Local clock offset: 2.094 ms
Remote clock offset: -5.8 ms

# Below is generated by plot.py at 2018-06-29 16:13:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 8.734 ms
Loss rate: 8.15%
-- Flow 1:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 8.734 ms
Loss rate: 8.15%
```

Run 2: Report of PCC-Expr — Data Link

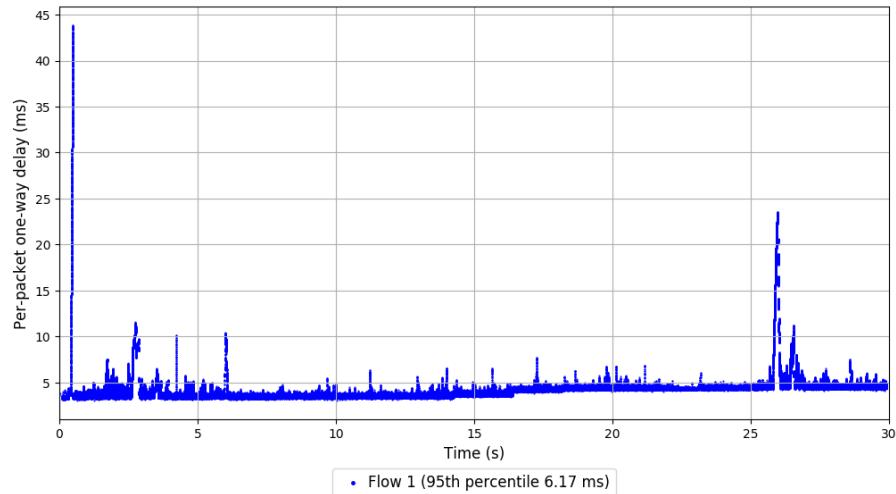
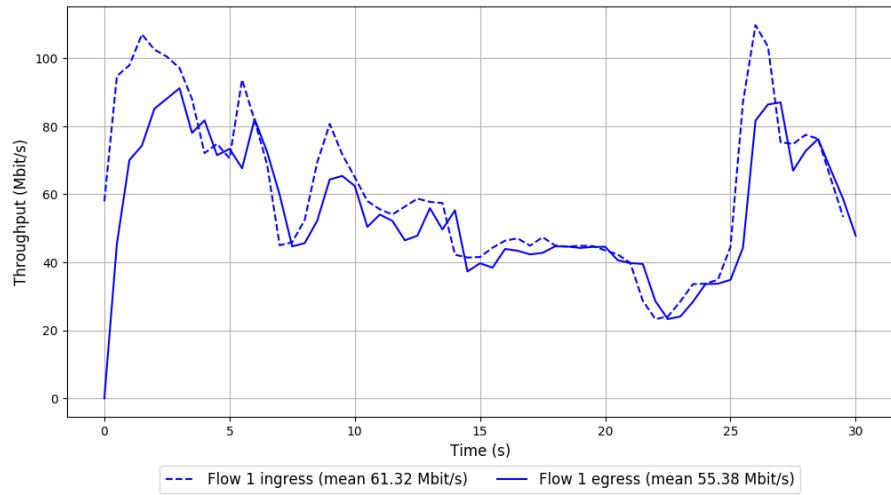


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:30:20
End at: 2018-06-29 13:30:50
Local clock offset: -1.981 ms
Remote clock offset: -13.904 ms

# Below is generated by plot.py at 2018-06-29 16:13:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 6.167 ms
Loss rate: 9.69%
-- Flow 1:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 6.167 ms
Loss rate: 9.69%
```

Run 3: Report of PCC-Expr — Data Link

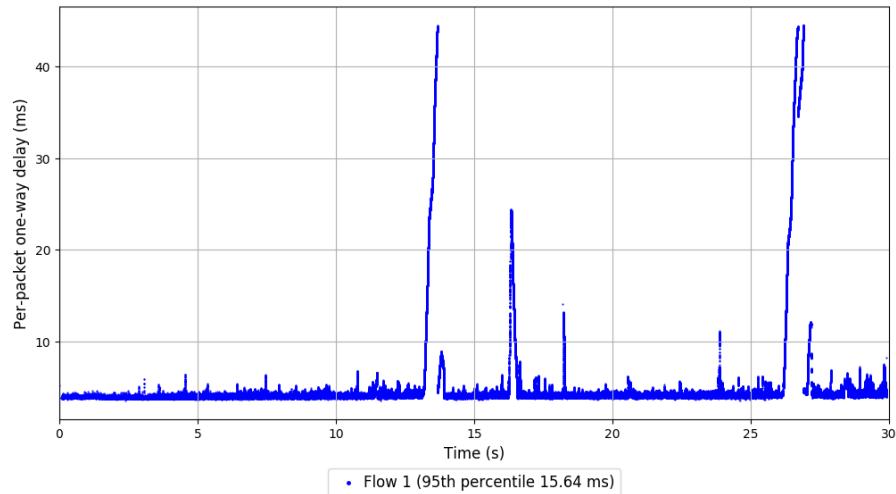
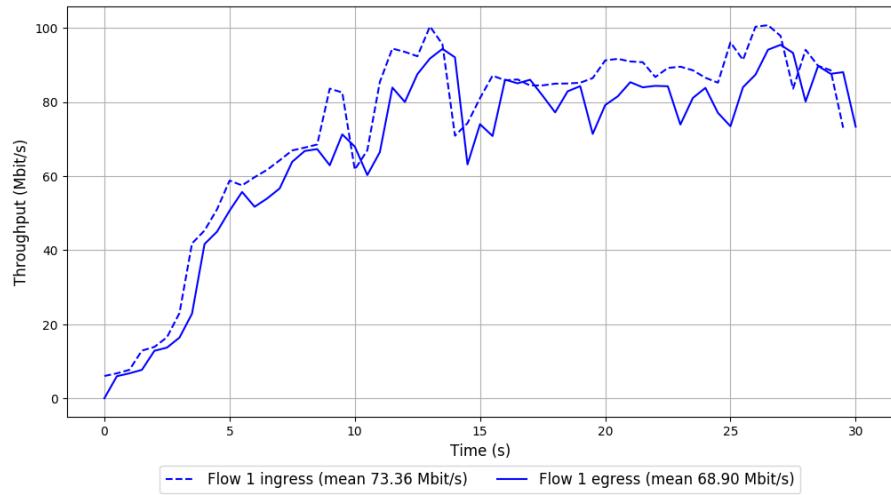


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:49:28
End at: 2018-06-29 13:49:58
Local clock offset: 3.409 ms
Remote clock offset: -13.943 ms

# Below is generated by plot.py at 2018-06-29 16:13:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 15.640 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 15.640 ms
Loss rate: 6.08%
```

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

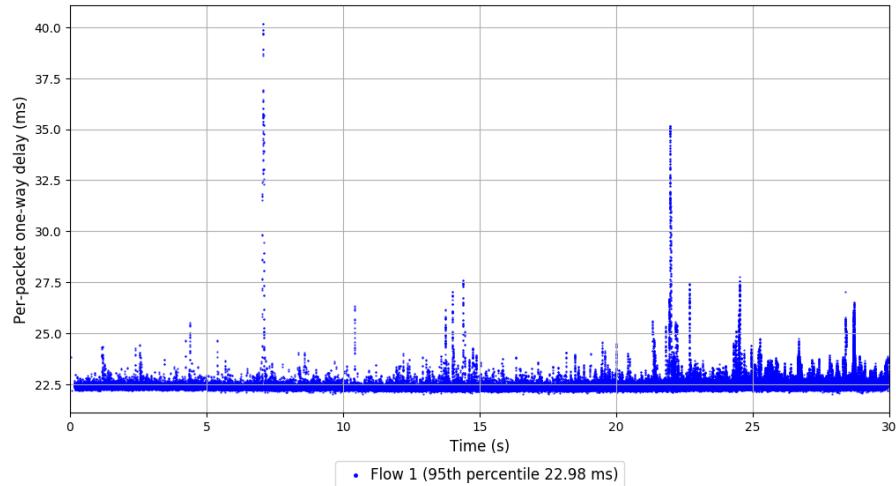
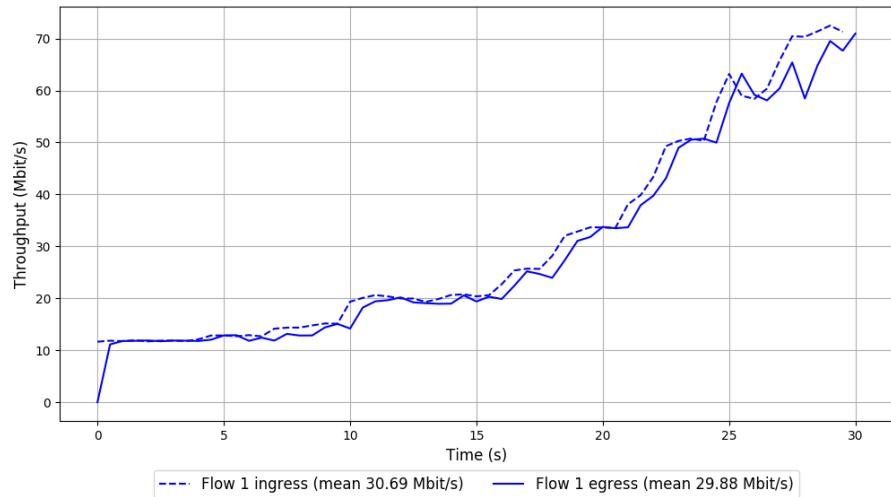


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-29 14:08:45
End at: 2018-06-29 14:09:15
Local clock offset: 1.779 ms
Remote clock offset: 3.901 ms

# Below is generated by plot.py at 2018-06-29 16:13:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 22.979 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 22.979 ms
Loss rate: 2.64%
```

Run 5: Report of PCC-Expr — Data Link

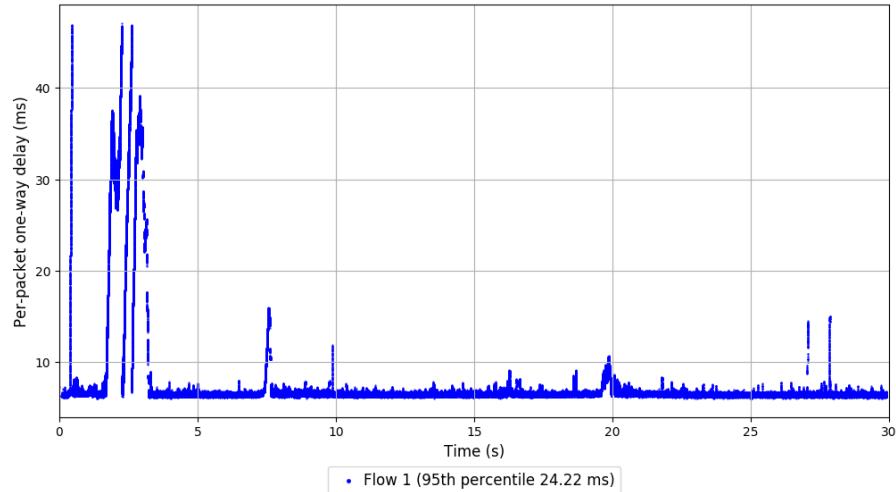
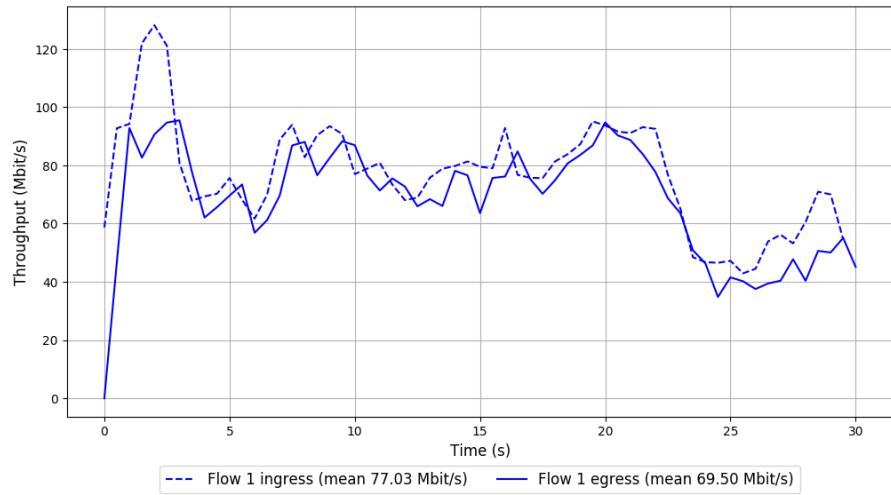


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-29 14:28:13
End at: 2018-06-29 14:28:43
Local clock offset: 3.724 ms
Remote clock offset: -11.006 ms

# Below is generated by plot.py at 2018-06-29 16:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 9.78%
-- Flow 1:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 9.78%
```

Run 6: Report of PCC-Expr — Data Link

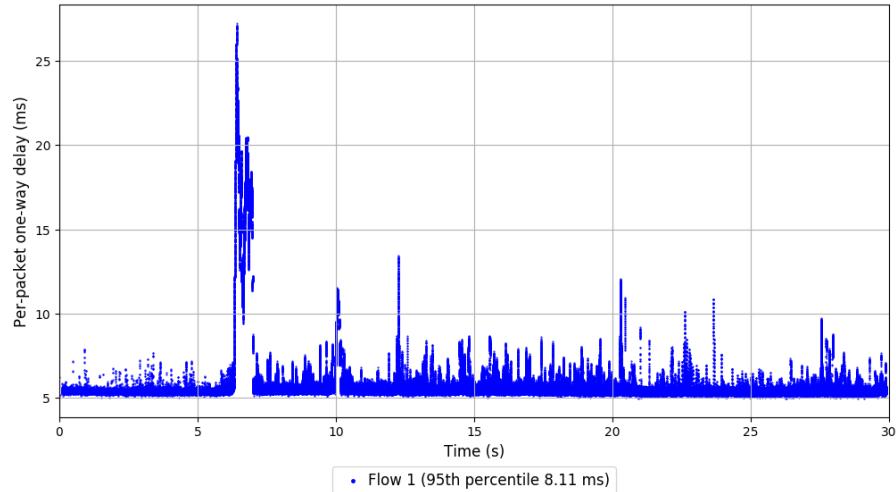
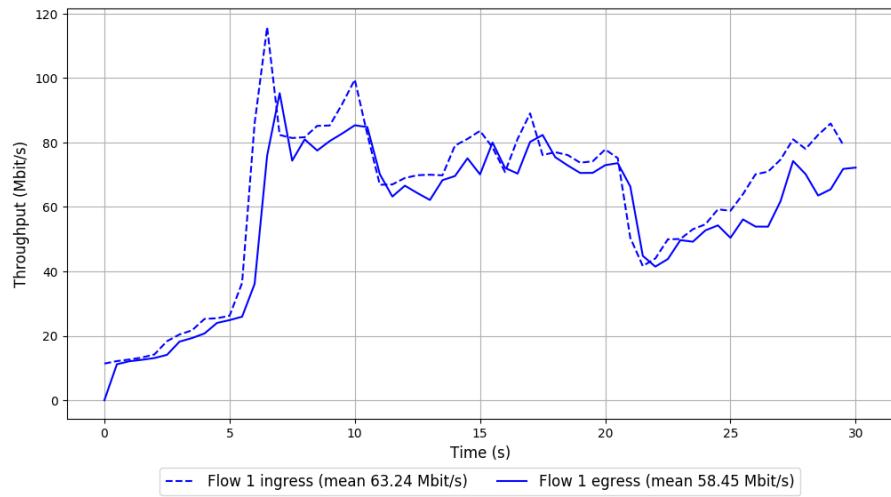


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-29 14:47:24
End at: 2018-06-29 14:47:54
Local clock offset: 2.737 ms
Remote clock offset: -5.259 ms

# Below is generated by plot.py at 2018-06-29 16:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 8.106 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 8.106 ms
Loss rate: 7.58%
```

Run 7: Report of PCC-Expr — Data Link

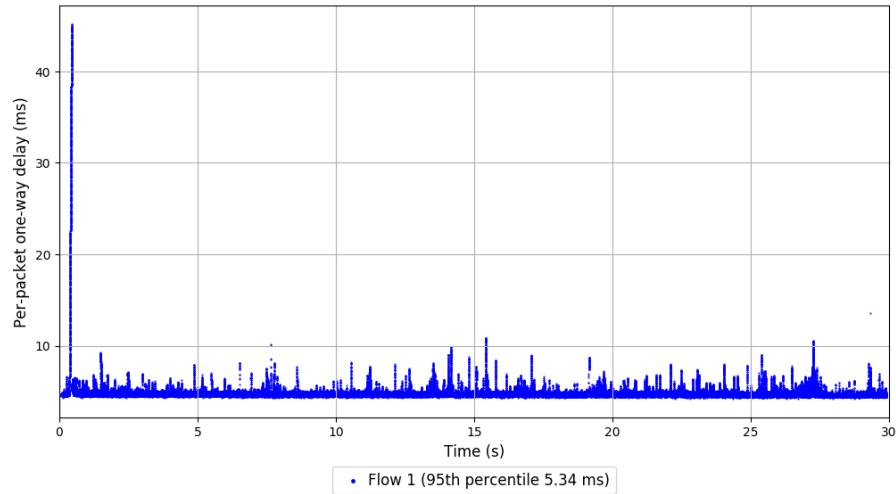
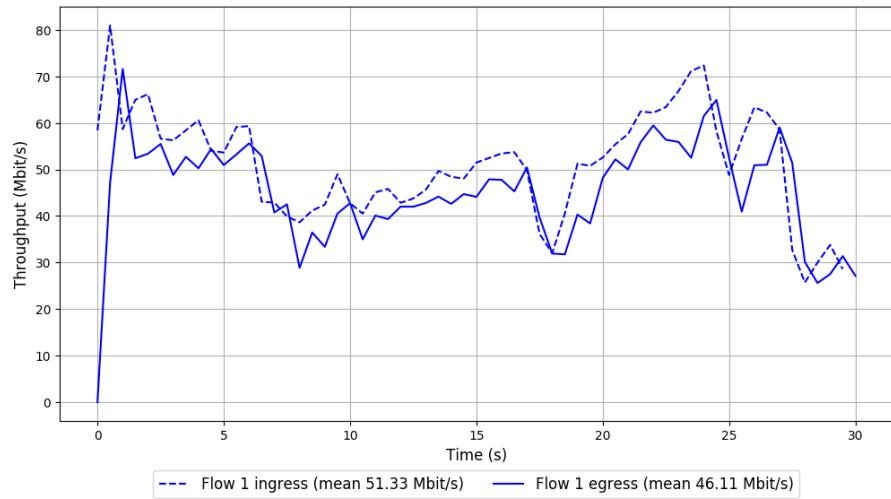


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-29 15:06:53
End at: 2018-06-29 15:07:23
Local clock offset: 2.567 ms
Remote clock offset: -2.652 ms

# Below is generated by plot.py at 2018-06-29 16:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 10.16%
-- Flow 1:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 10.16%
```

### Run 8: Report of PCC-Expr — Data Link

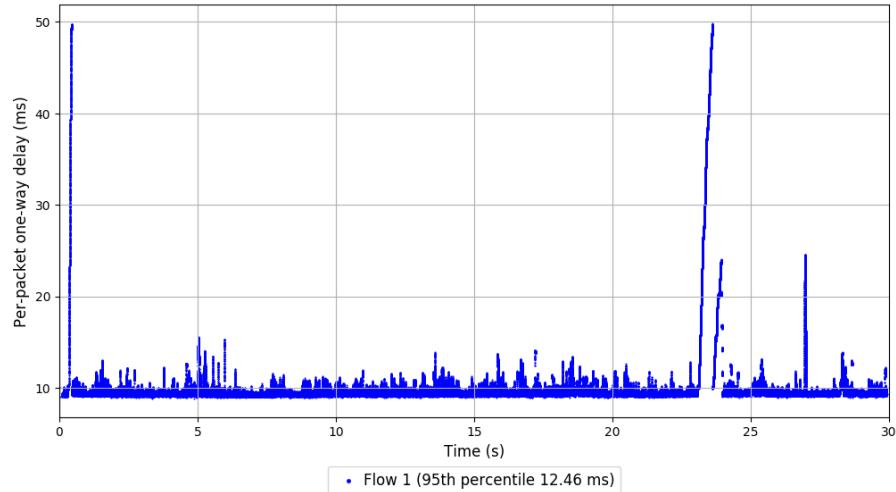
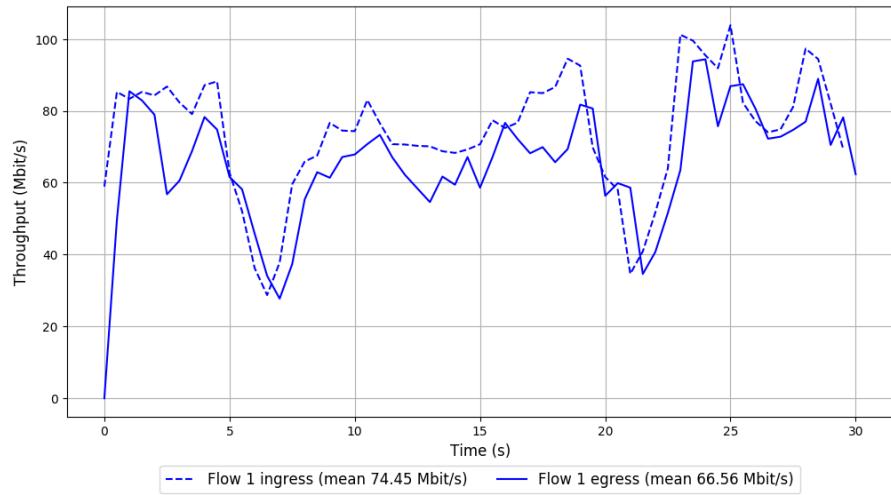


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-29 15:26:28
End at: 2018-06-29 15:26:58
Local clock offset: -1.233 ms
Remote clock offset: -5.084 ms

# Below is generated by plot.py at 2018-06-29 16:13:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 12.458 ms
Loss rate: 10.60%
-- Flow 1:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 12.458 ms
Loss rate: 10.60%
```

Run 9: Report of PCC-Expr — Data Link

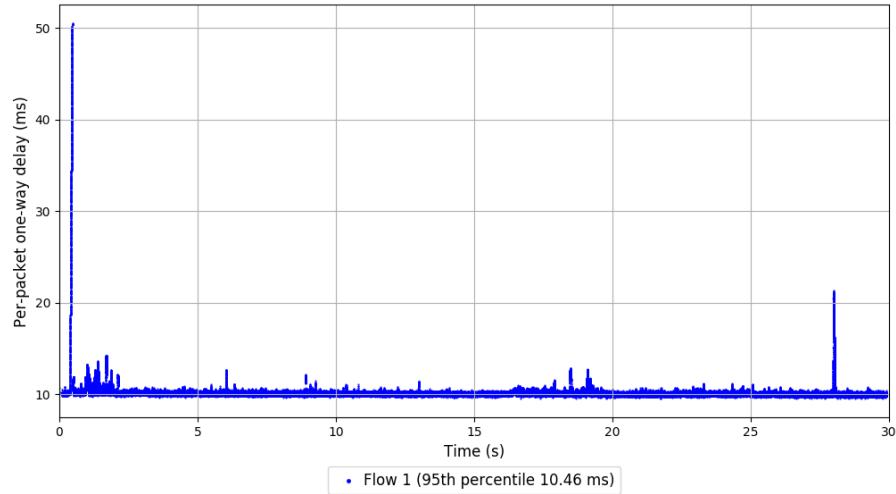
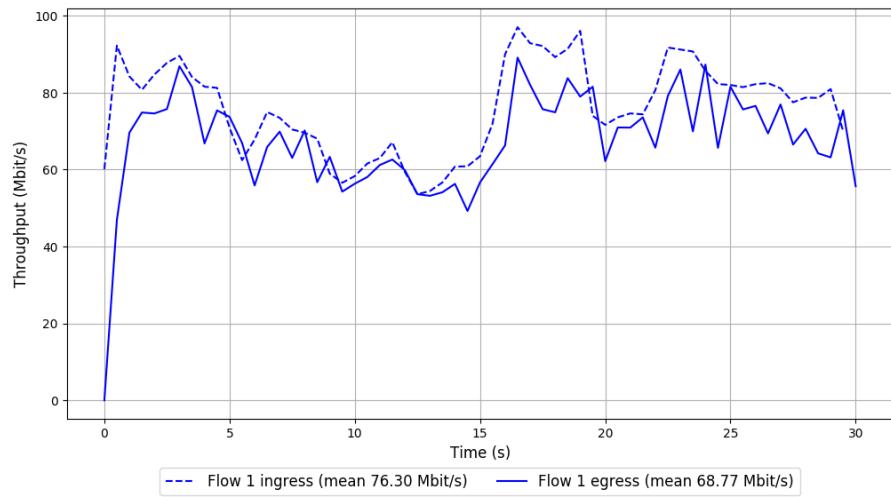


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-29 15:46:00
End at: 2018-06-29 15:46:30
Local clock offset: -0.261 ms
Remote clock offset: -4.382 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 10.455 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 10.455 ms
Loss rate: 9.87%
```

### Run 10: Report of PCC-Expr — Data Link

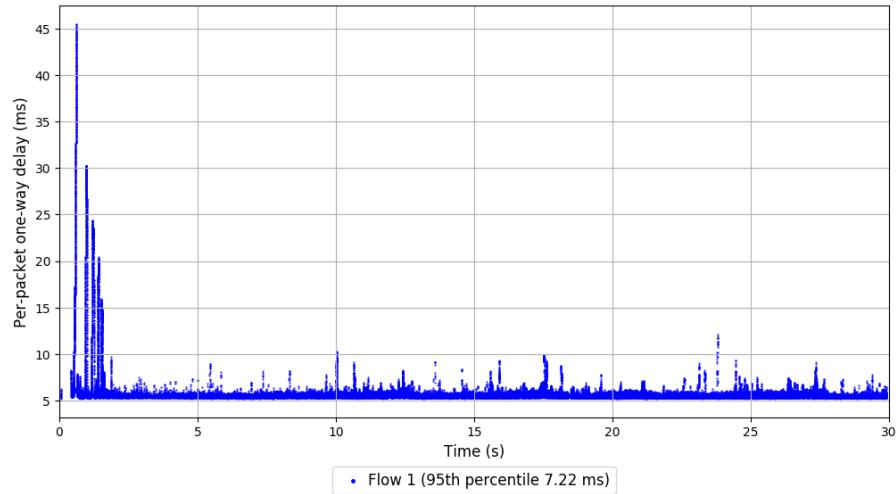
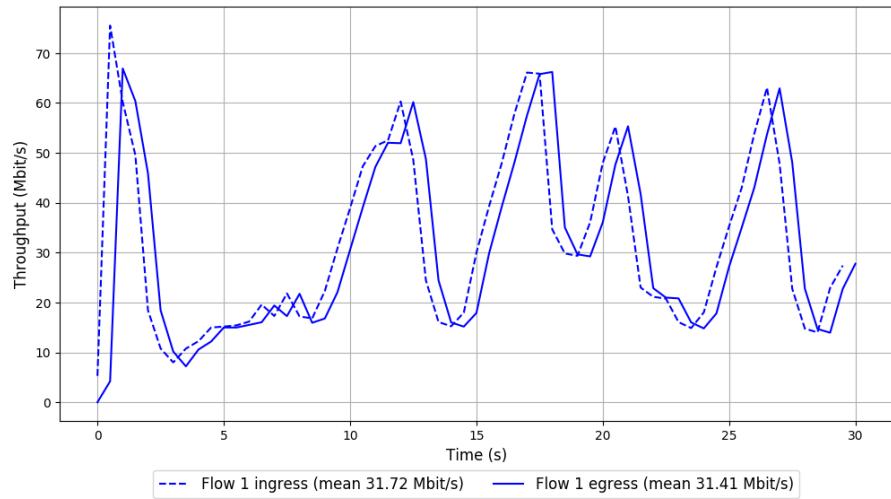


Run 1: Statistics of QUIC Cubic

```
Start at: 2018-06-29 13:02:02
End at: 2018-06-29 13:02:32
Local clock offset: 1.876 ms
Remote clock offset: -7.5 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 7.223 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 7.223 ms
Loss rate: 0.96%
```

Run 1: Report of QUIC Cubic — Data Link

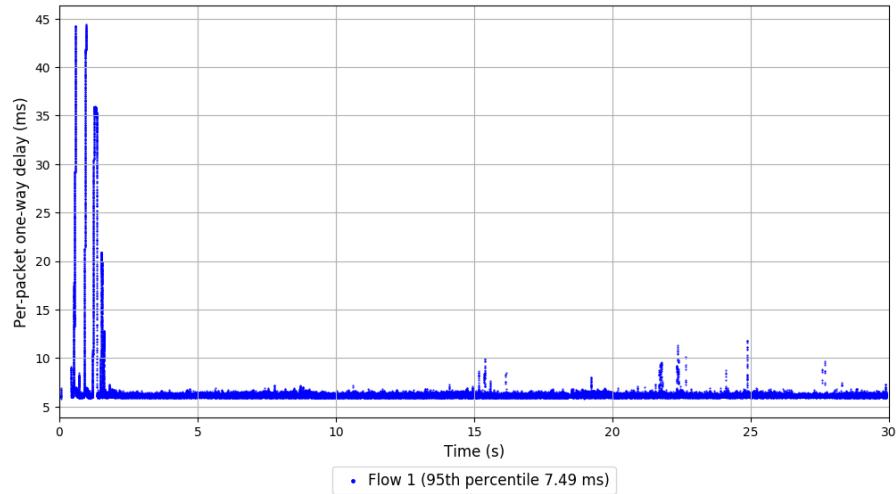
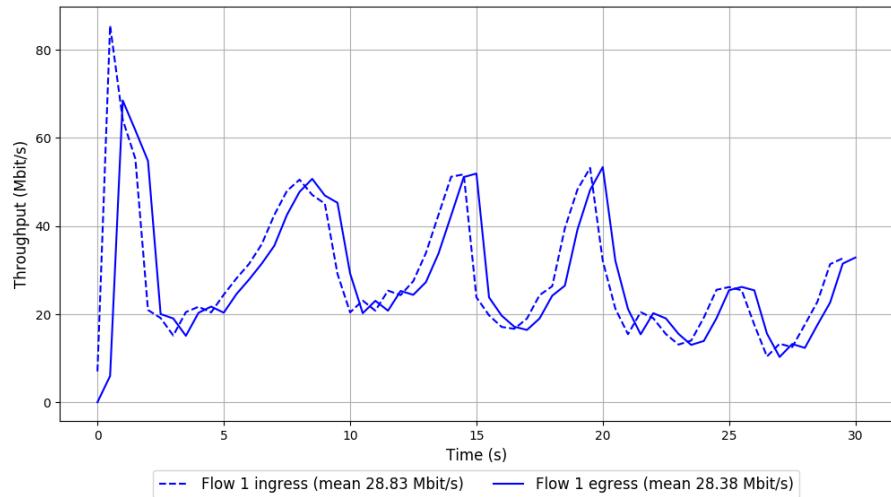


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-29 13:21:19
End at: 2018-06-29 13:21:49
Local clock offset: 2.314 ms
Remote clock offset: -5.589 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 7.494 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 7.494 ms
Loss rate: 1.54%
```

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

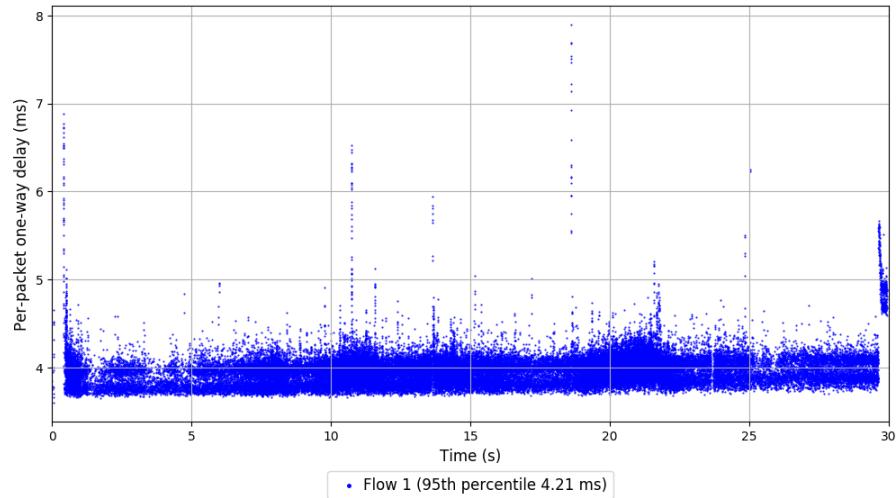
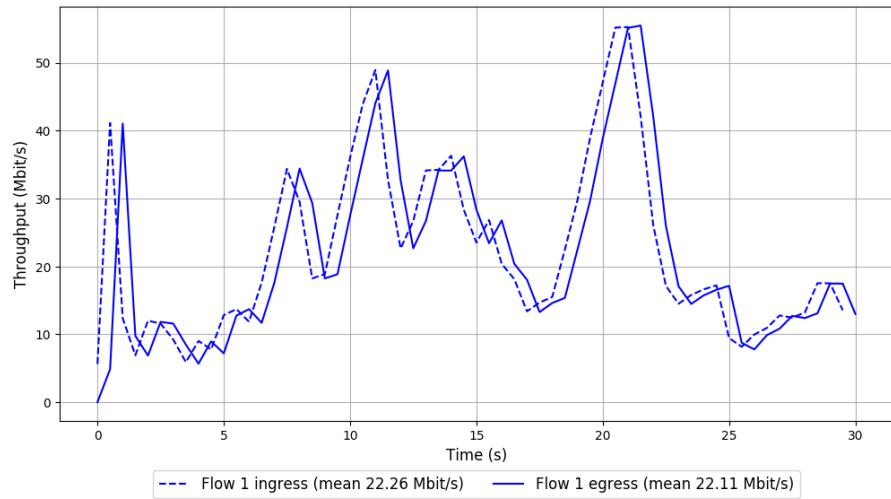


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-29 13:40:37
End at: 2018-06-29 13:41:07
Local clock offset: 1.463 ms
Remote clock offset: -15.098 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 4.214 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 4.214 ms
Loss rate: 0.71%
```

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

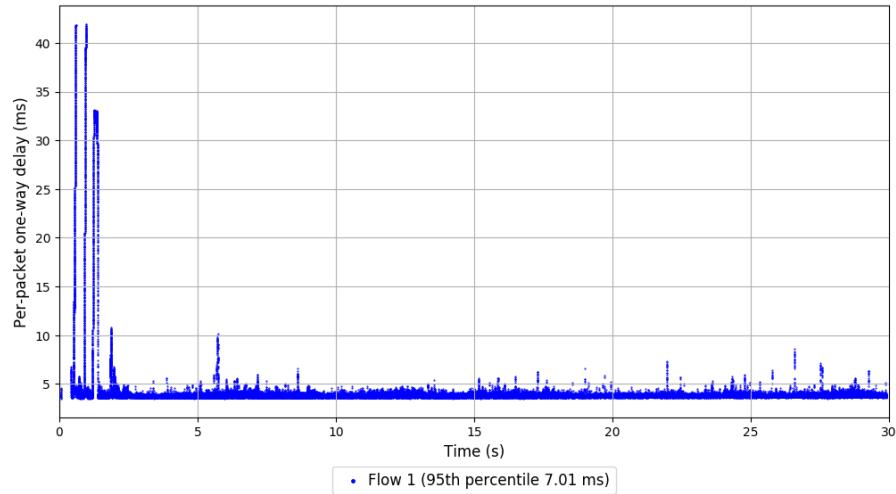
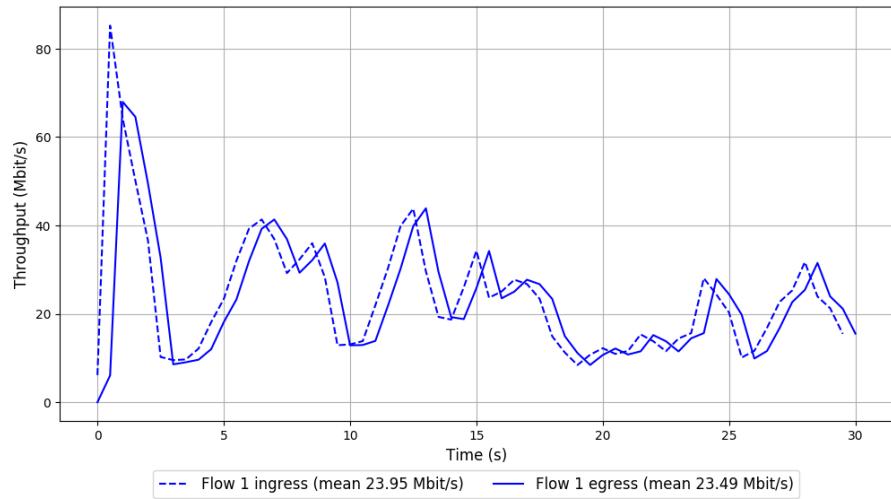


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-29 13:59:46
End at: 2018-06-29 14:00:16
Local clock offset: 3.232 ms
Remote clock offset: -15.638 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 7.012 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 7.012 ms
Loss rate: 1.94%
```

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

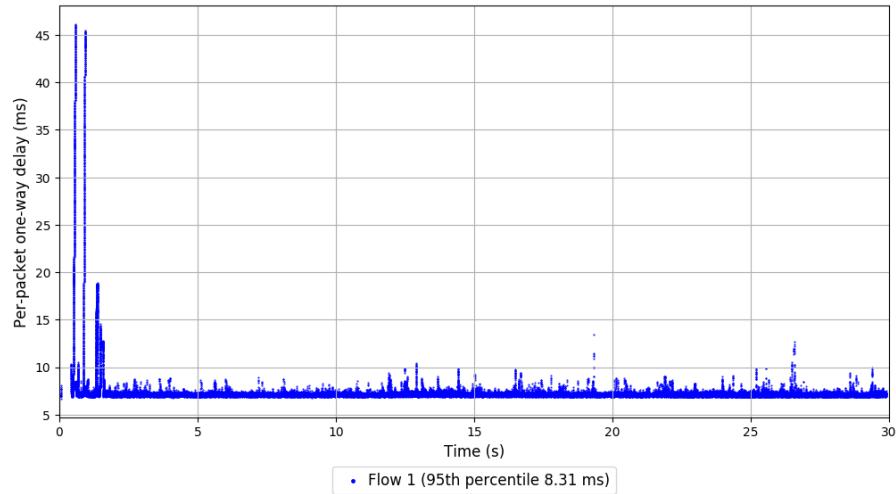
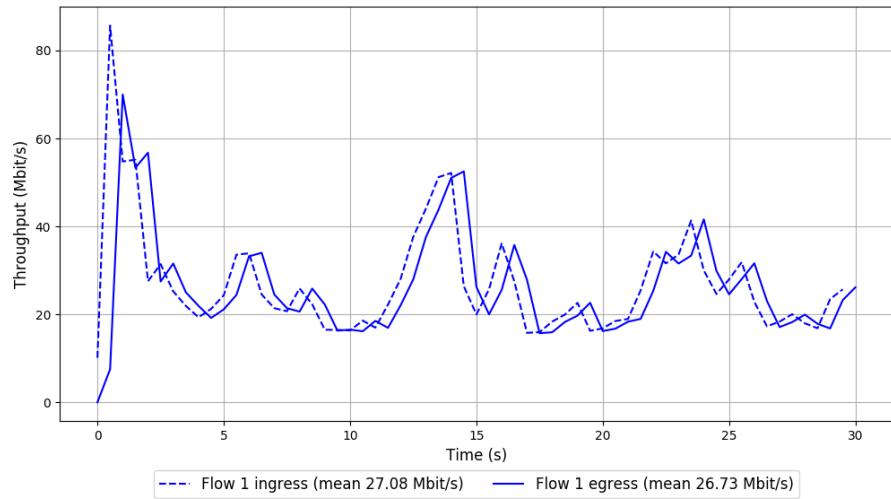


```
Run 5: Statistics of QUIC Cubic
```

```
Start at: 2018-06-29 14:19:09
End at: 2018-06-29 14:19:39
Local clock offset: -0.345 ms
Remote clock offset: -12.319 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 8.312 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 8.312 ms
Loss rate: 1.31%
```

Run 5: Report of QUIC Cubic — Data Link

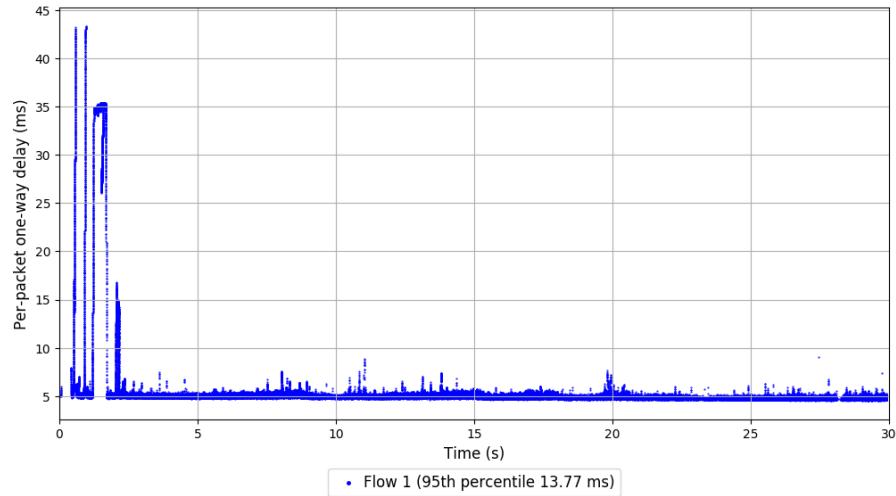
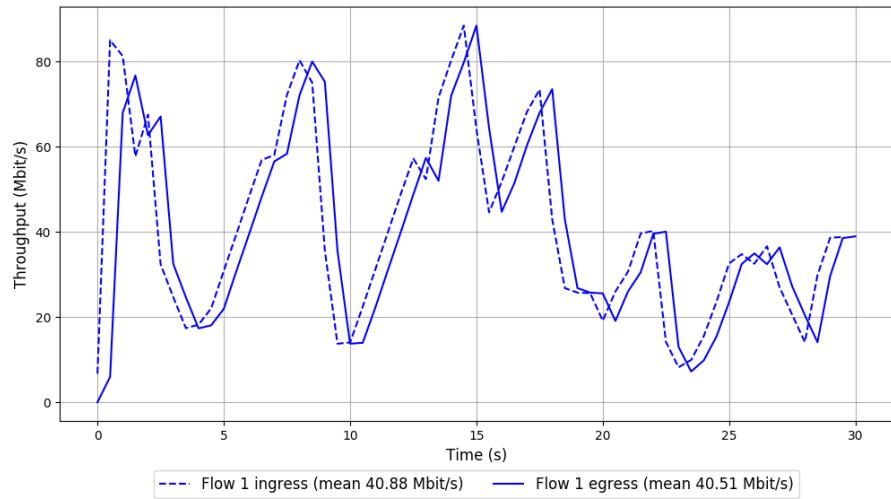


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-29 14:38:24
End at: 2018-06-29 14:38:54
Local clock offset: 3.811 ms
Remote clock offset: -9.691 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 13.765 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 13.765 ms
Loss rate: 0.91%
```

Run 6: Report of QUIC Cubic — Data Link

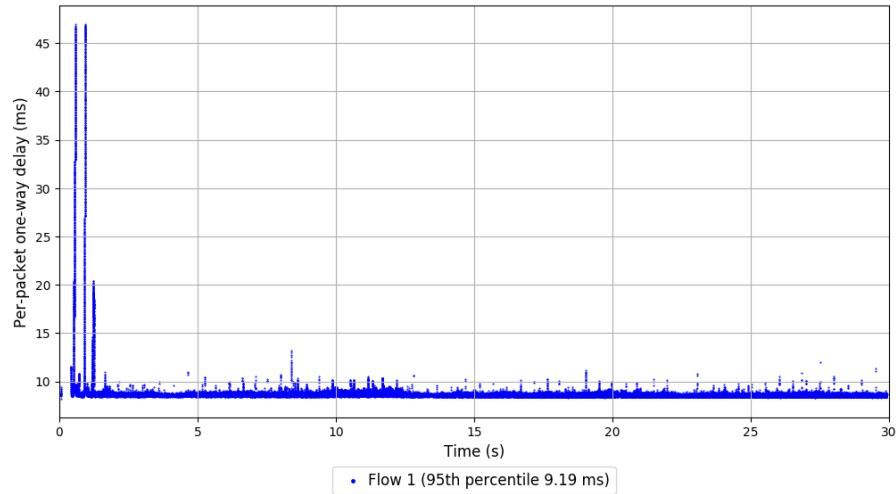
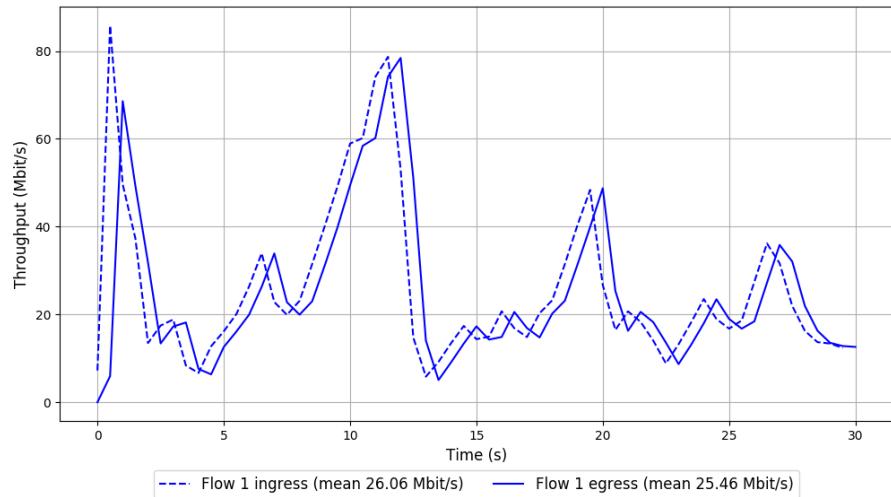


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-29 14:57:40
End at: 2018-06-29 14:58:10
Local clock offset: 0.477 ms
Remote clock offset: -3.573 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 2.31%
```

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

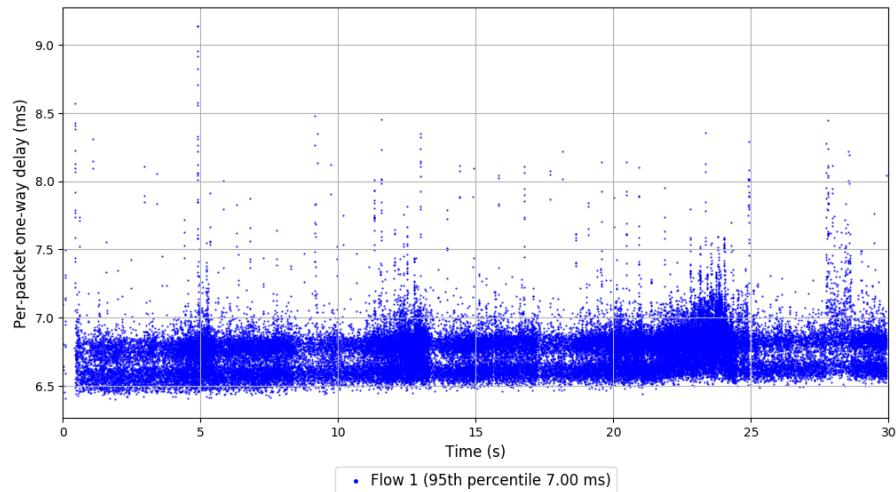
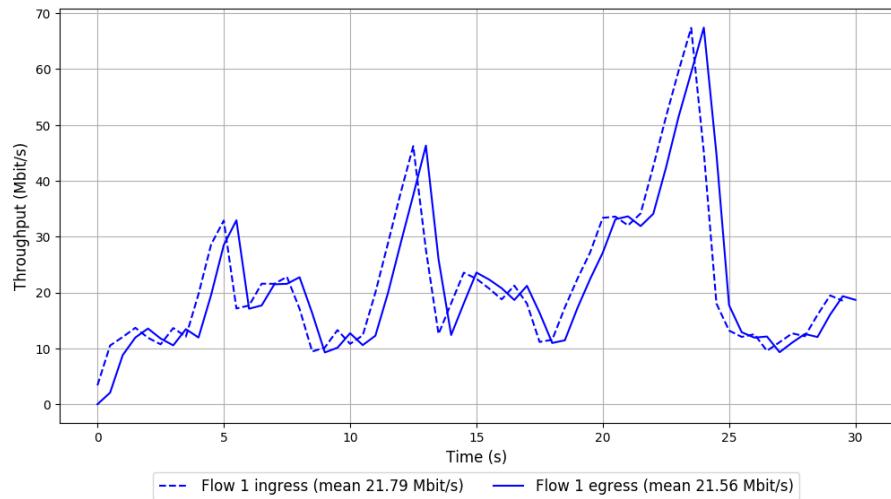


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-29 15:17:27
End at: 2018-06-29 15:17:57
Local clock offset: 2.274 ms
Remote clock offset: -4.706 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.56 Mbit/s
95th percentile per-packet one-way delay: 7.002 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 21.56 Mbit/s
95th percentile per-packet one-way delay: 7.002 ms
Loss rate: 1.05%
```

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

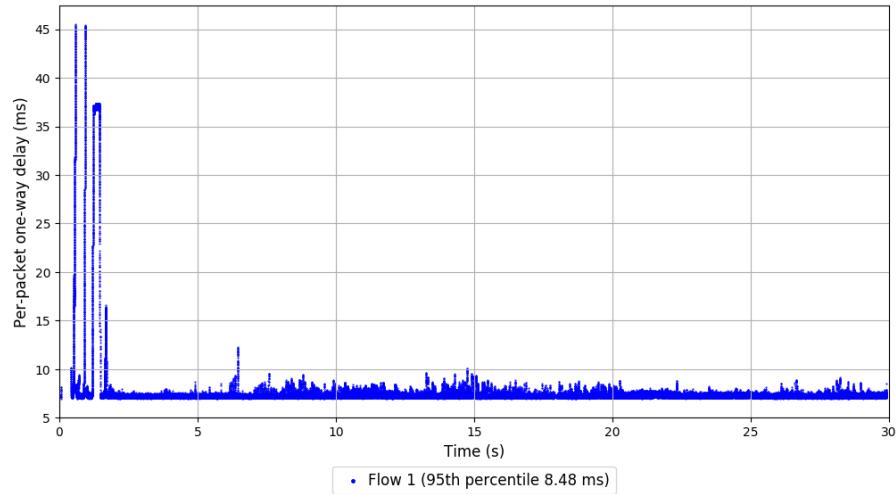
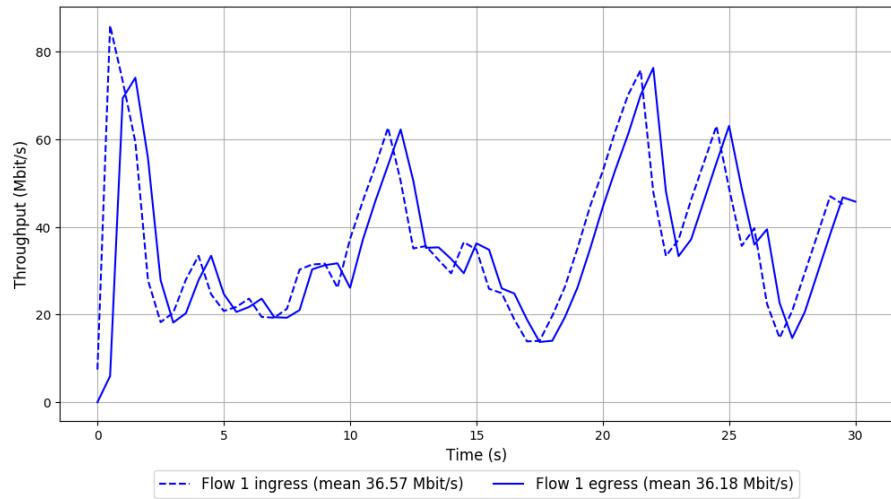


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-29 15:37:00
End at: 2018-06-29 15:37:30
Local clock offset: 2.812 ms
Remote clock offset: -4.791 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 8.478 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 8.478 ms
Loss rate: 1.07%
```

Run 9: Report of QUIC Cubic — Data Link

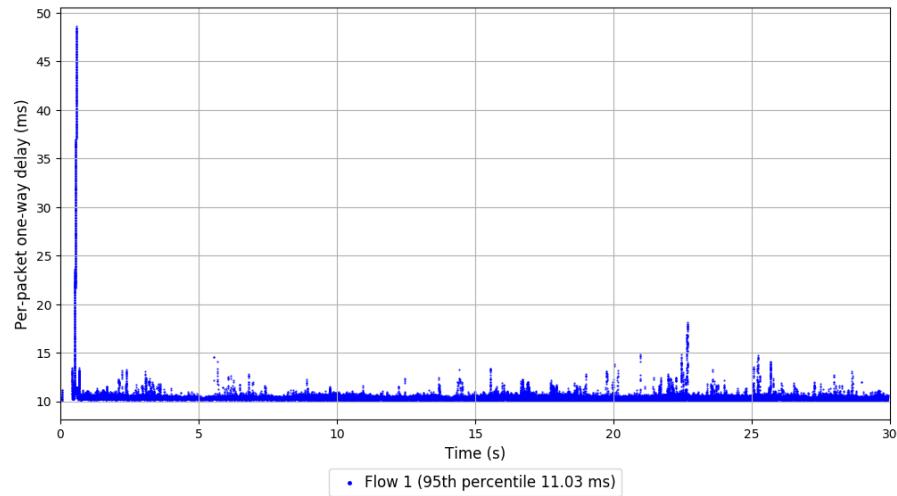
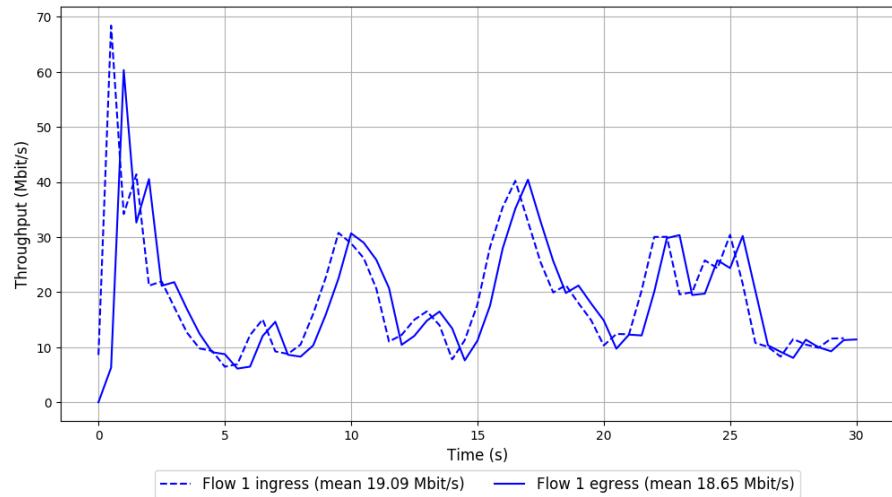


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-29 15:56:22
End at: 2018-06-29 15:56:52
Local clock offset: -2.808 ms
Remote clock offset: -2.978 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 11.030 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 11.030 ms
Loss rate: 2.31%
```

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

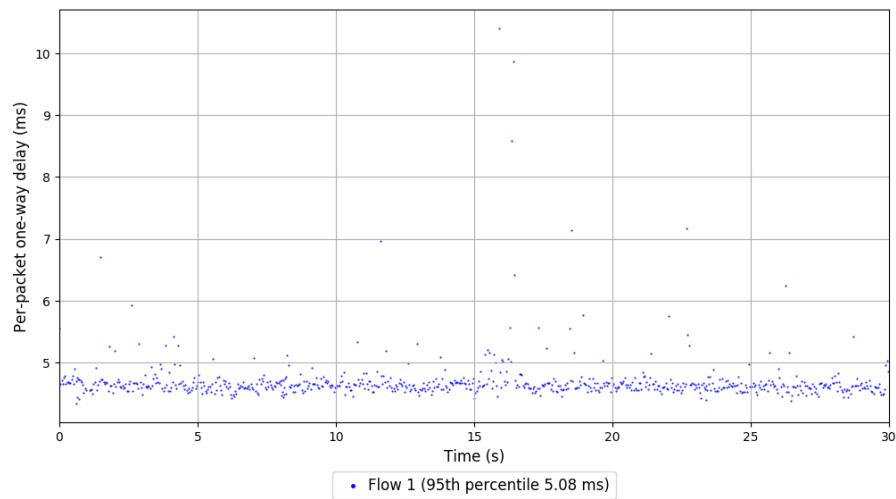
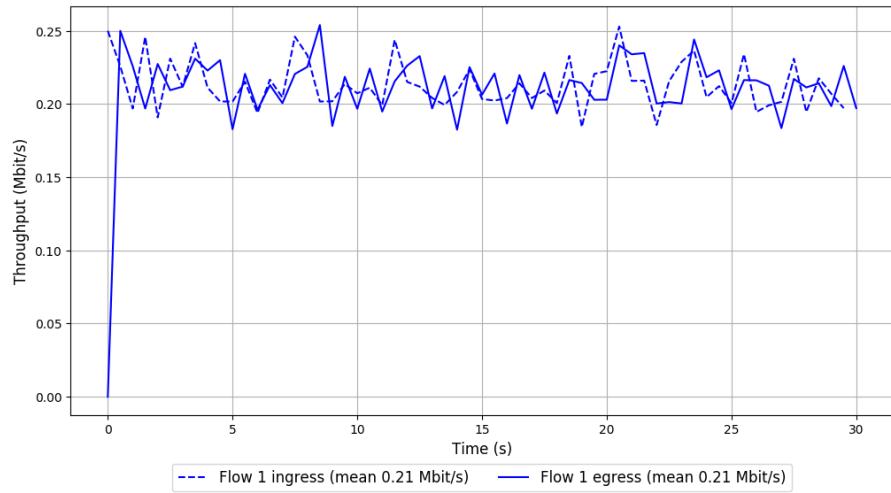


Run 1: Statistics of SCReAM

```
Start at: 2018-06-29 13:05:24
End at: 2018-06-29 13:05:54
Local clock offset: 3.225 ms
Remote clock offset: -6.919 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

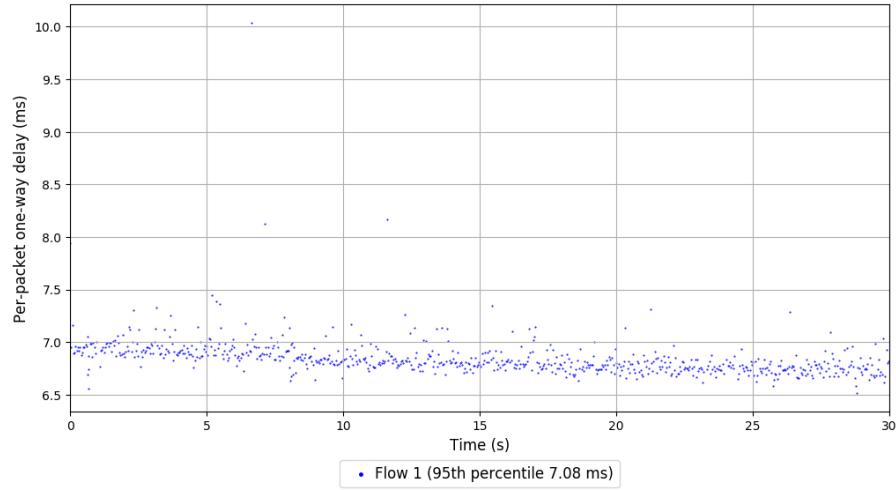
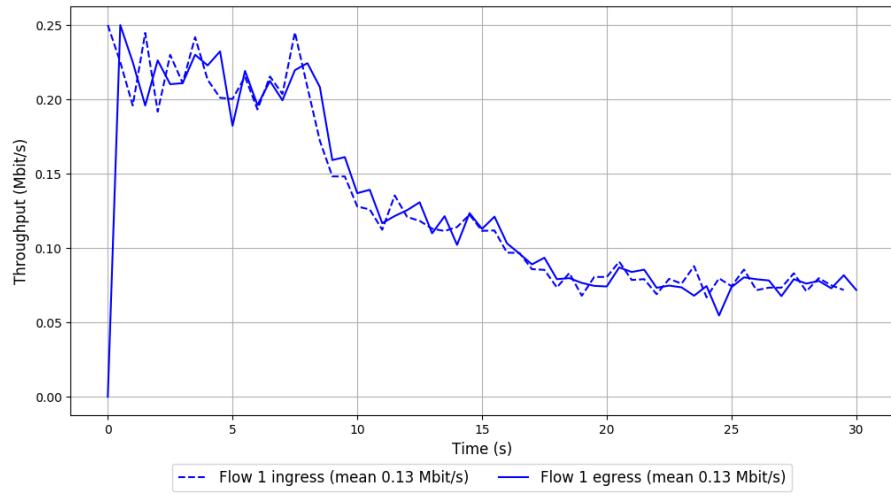


Run 2: Statistics of SCReAM

```
Start at: 2018-06-29 13:24:46
End at: 2018-06-29 13:25:16
Local clock offset: 0.239 ms
Remote clock offset: -6.65 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 7.083 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 7.083 ms
Loss rate: 0.89%
```

Run 2: Report of SCReAM — Data Link

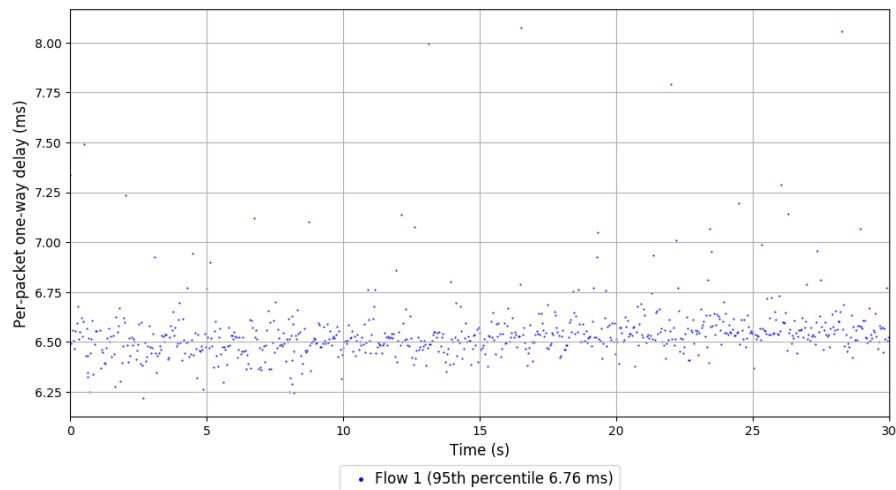
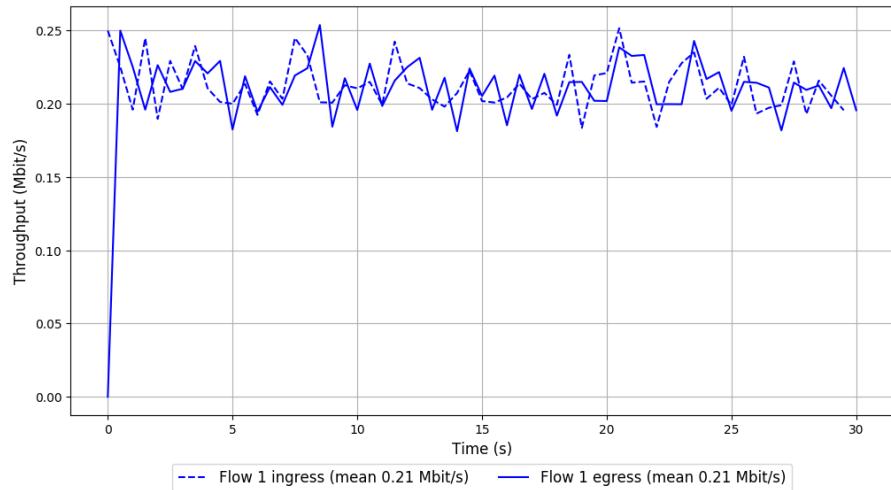


Run 3: Statistics of SCReAM

```
Start at: 2018-06-29 13:43:59
End at: 2018-06-29 13:44:29
Local clock offset: 0.433 ms
Remote clock offset: -13.391 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.764 ms
Loss rate: 0.00%
```

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

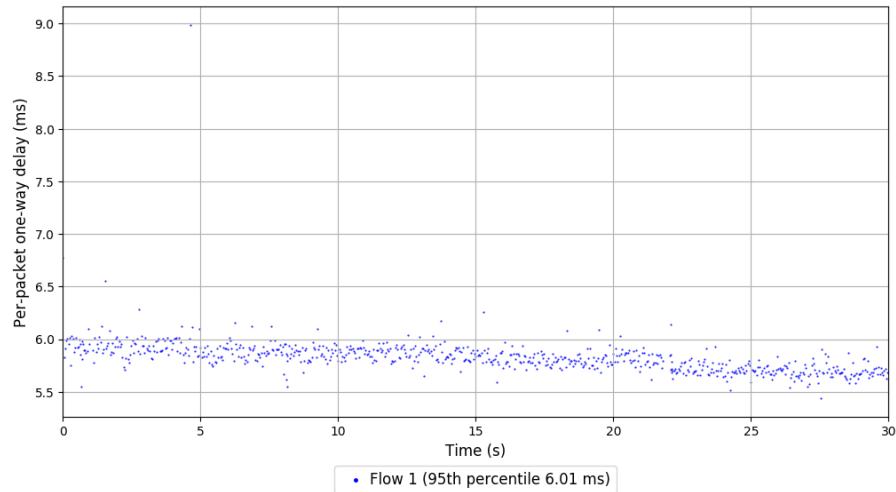
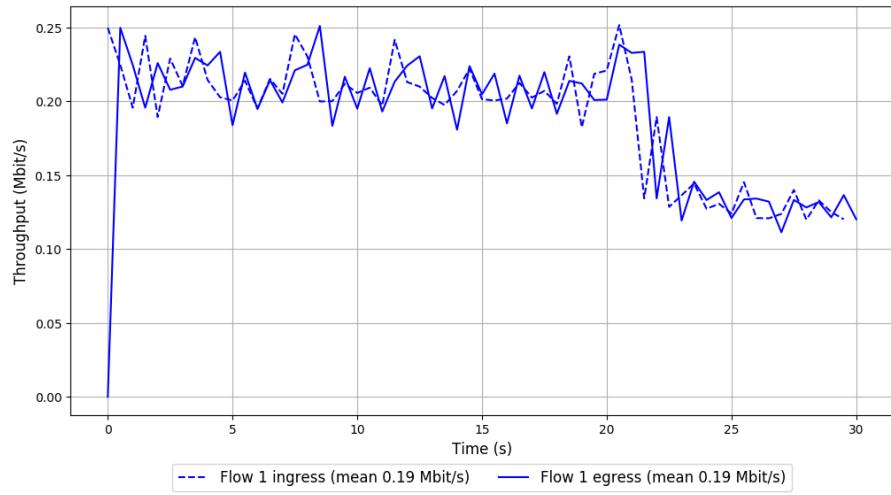


Run 4: Statistics of SCReAM

```
Start at: 2018-06-29 14:03:08
End at: 2018-06-29 14:03:38
Local clock offset: 2.868 ms
Remote clock offset: -14.424 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 6.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 6.007 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

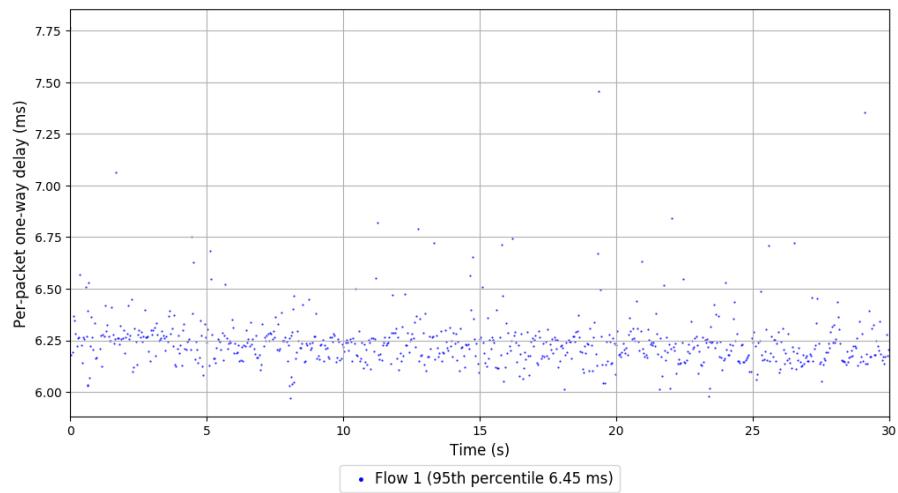
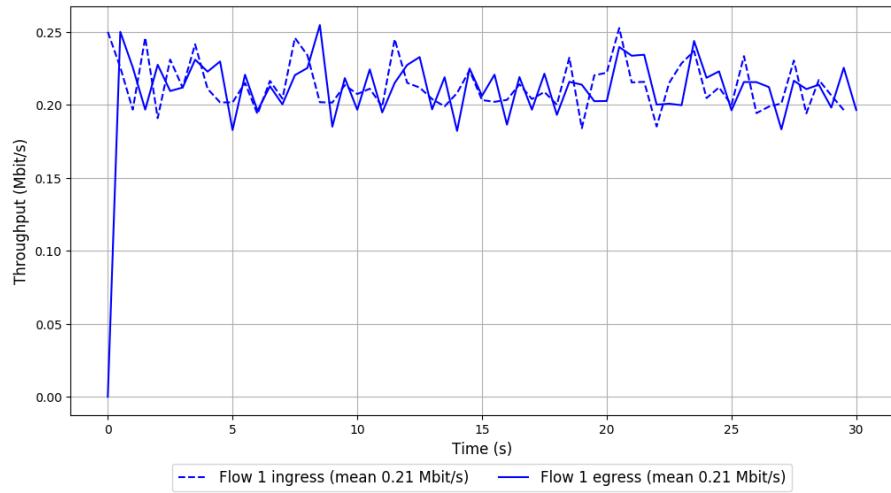


Run 5: Statistics of SCReAM

```
Start at: 2018-06-29 14:22:34
End at: 2018-06-29 14:23:04
Local clock offset: 2.967 ms
Remote clock offset: -11.88 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.450 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

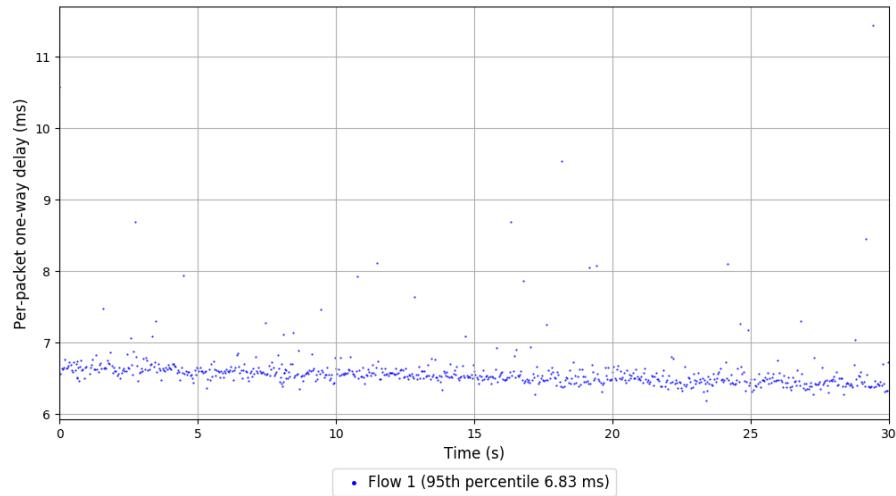
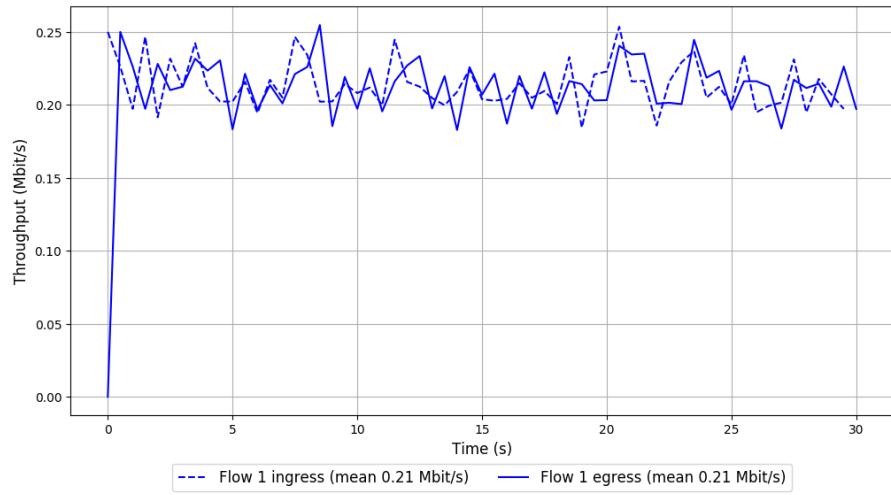


Run 6: Statistics of SCReAM

```
Start at: 2018-06-29 14:41:50
End at: 2018-06-29 14:42:20
Local clock offset: 1.364 ms
Remote clock offset: -7.228 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.831 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

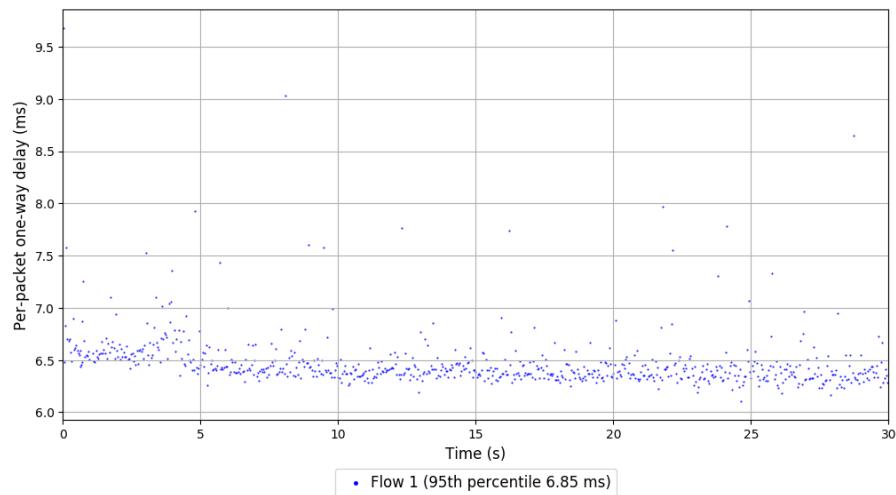
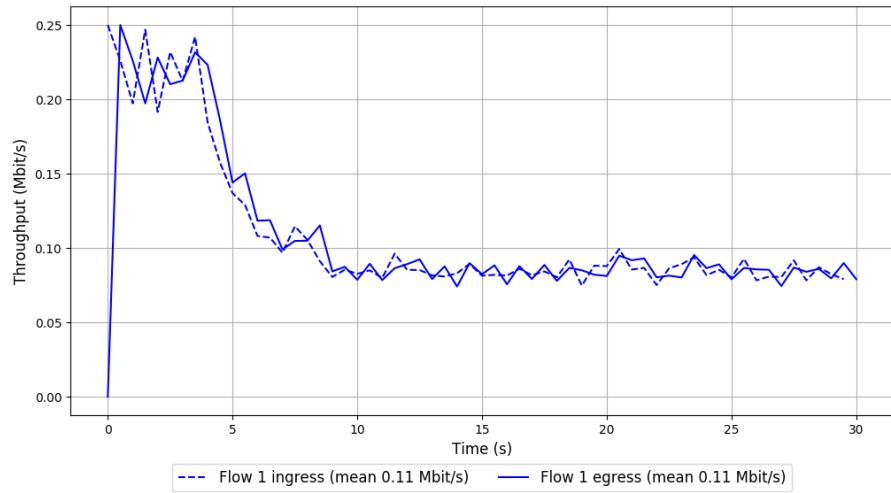


Run 7: Statistics of SCReAM

```
Start at: 2018-06-29 15:01:13
End at: 2018-06-29 15:01:43
Local clock offset: 0.551 ms
Remote clock offset: -3.524 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 6.847 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 6.847 ms
Loss rate: 0.27%
```

Run 7: Report of SCReAM — Data Link

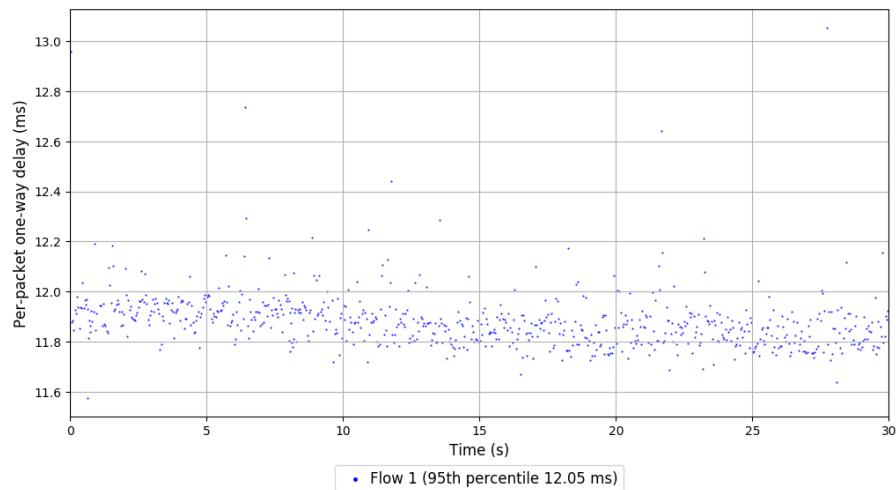
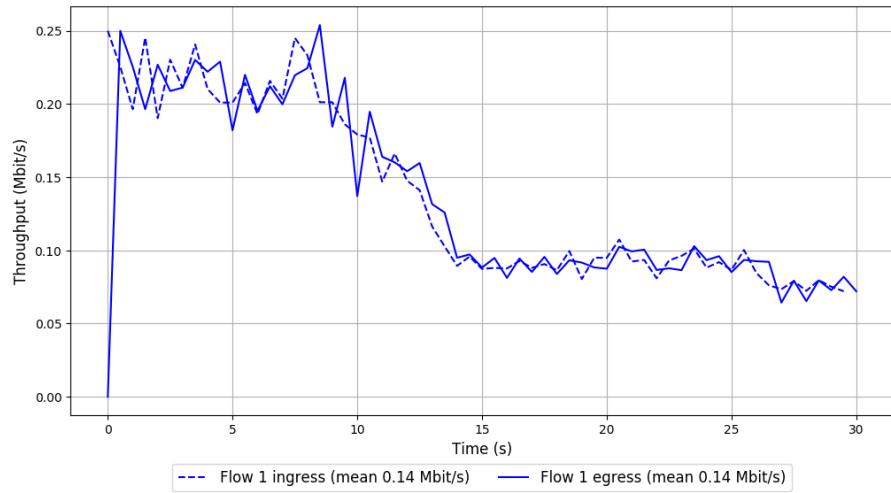


Run 8: Statistics of SCReAM

```
Start at: 2018-06-29 15:20:51
End at: 2018-06-29 15:21:21
Local clock offset: -2.129 ms
Remote clock offset: -4.36 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 12.047 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 12.047 ms
Loss rate: 0.56%
```

Run 8: Report of SCReAM — Data Link

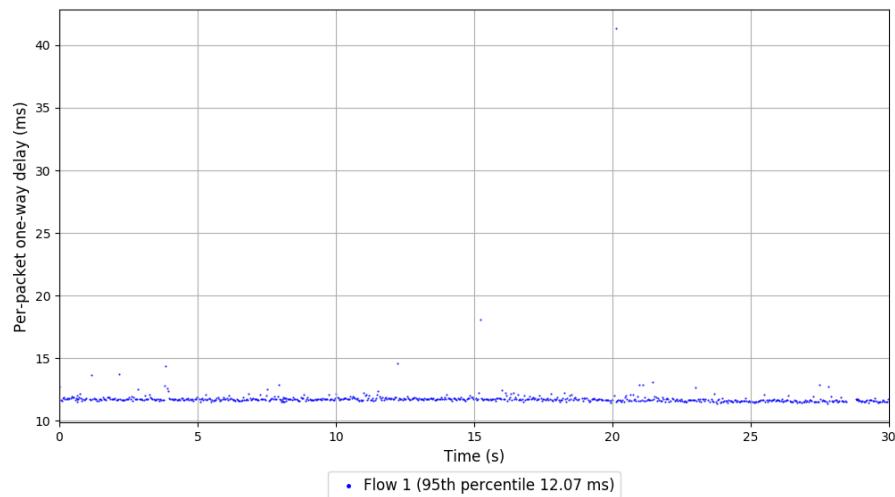
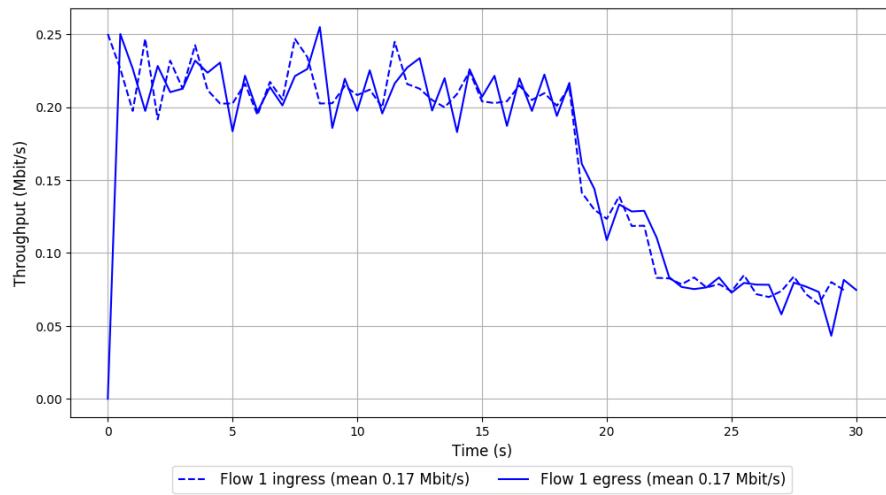


Run 9: Statistics of SCReAM

```
Start at: 2018-06-29 15:40:28
End at: 2018-06-29 15:40:58
Local clock offset: -3.811 ms
Remote clock offset: -5.319 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 12.072 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 12.072 ms
Loss rate: 1.08%
```

Run 9: Report of SCReAM — Data Link

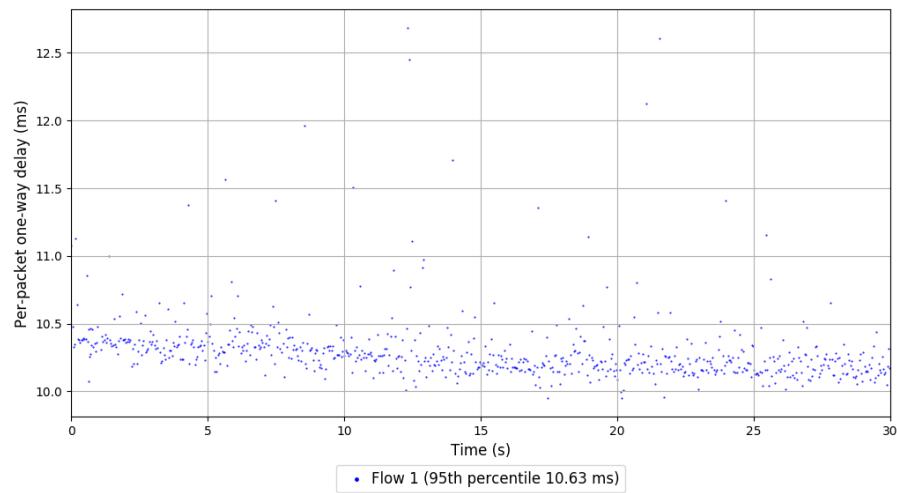
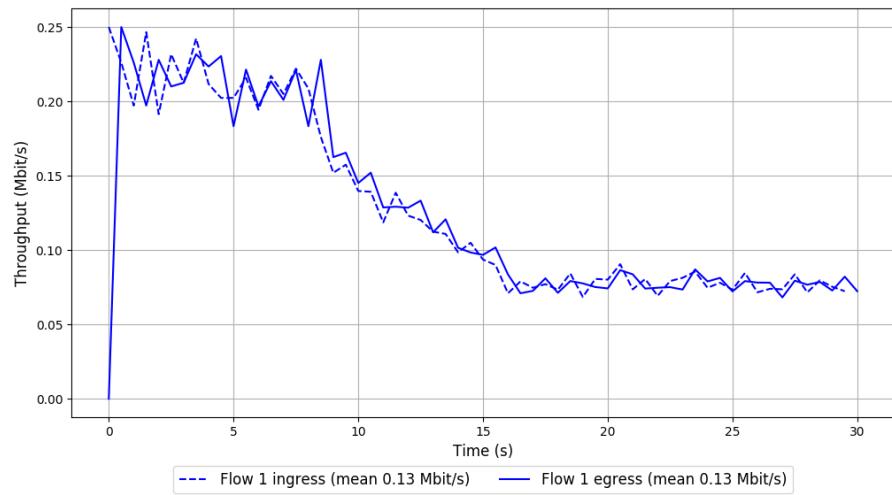


Run 10: Statistics of SCReAM

```
Start at: 2018-06-29 15:59:47
End at: 2018-06-29 16:00:17
Local clock offset: -2.165 ms
Remote clock offset: -2.04 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 10.627 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 10.627 ms
Loss rate: 0.54%
```

Run 10: Report of SCReAM — Data Link

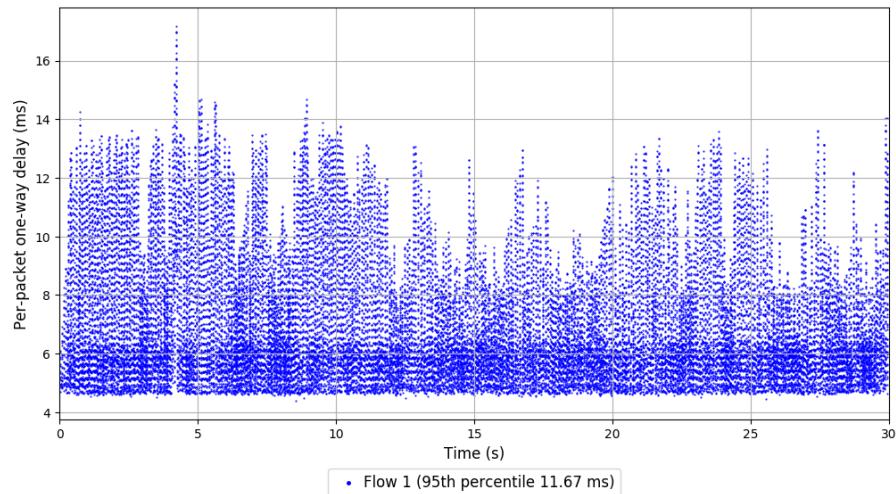
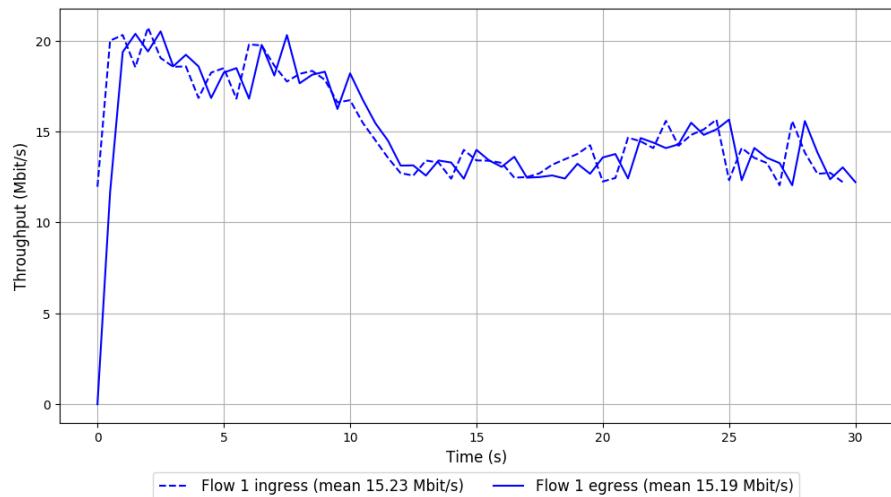


Run 1: Statistics of Sprout

```
Start at: 2018-06-29 12:49:32
End at: 2018-06-29 12:50:02
Local clock offset: 2.687 ms
Remote clock offset: -7.773 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 11.668 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 11.668 ms
Loss rate: 0.19%
```

Run 1: Report of Sprout — Data Link

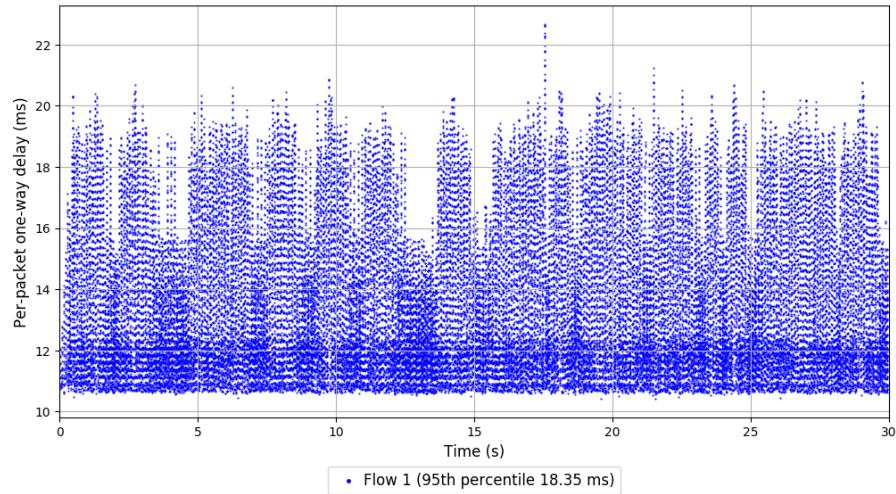
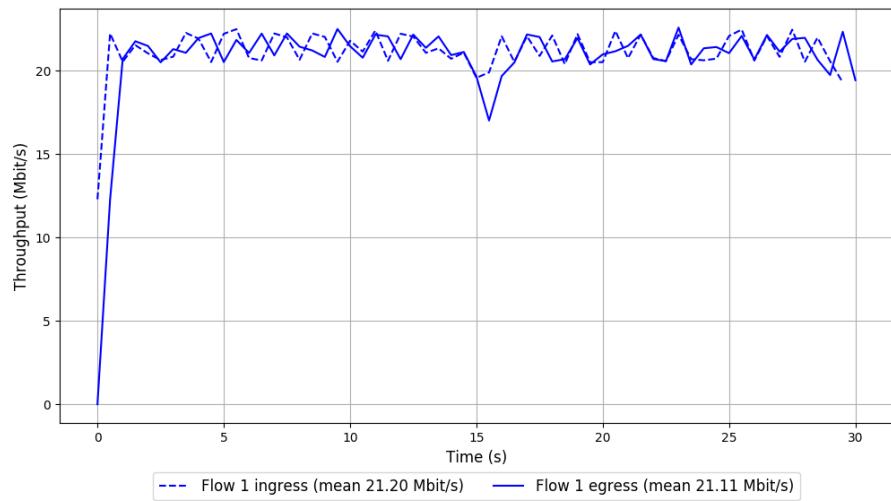


Run 2: Statistics of Sprout

```
Start at: 2018-06-29 13:08:42
End at: 2018-06-29 13:09:12
Local clock offset: -1.451 ms
Remote clock offset: -5.586 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 18.349 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 18.349 ms
Loss rate: 0.40%
```

Run 2: Report of Sprout — Data Link

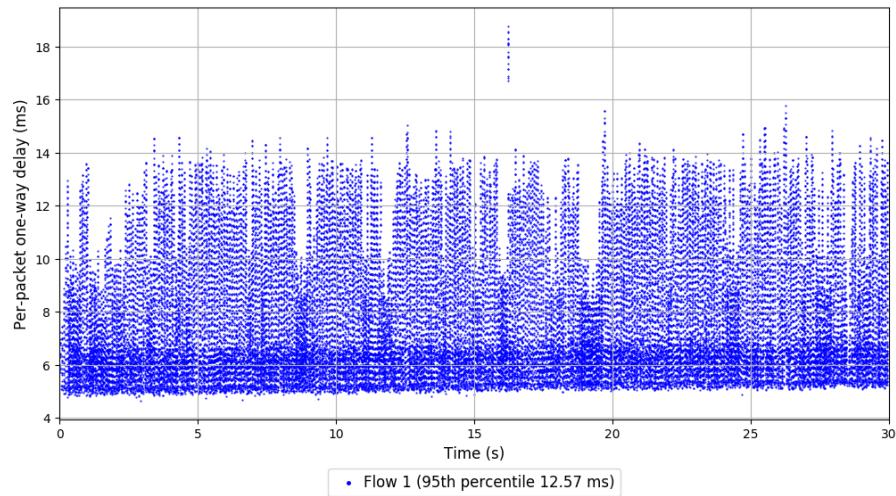
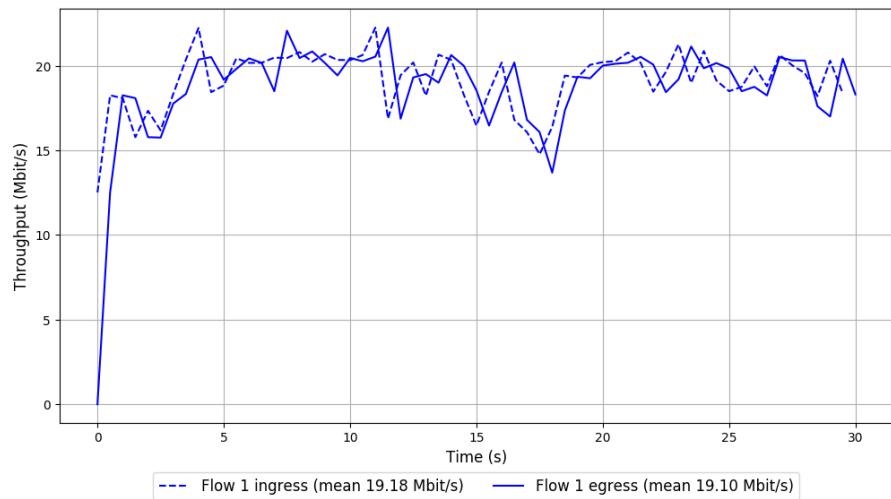


Run 3: Statistics of Sprout

```
Start at: 2018-06-29 13:28:07
End at: 2018-06-29 13:28:37
Local clock offset: -1.695 ms
Remote clock offset: -10.665 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 12.566 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 12.566 ms
Loss rate: 0.46%
```

Run 3: Report of Sprout — Data Link

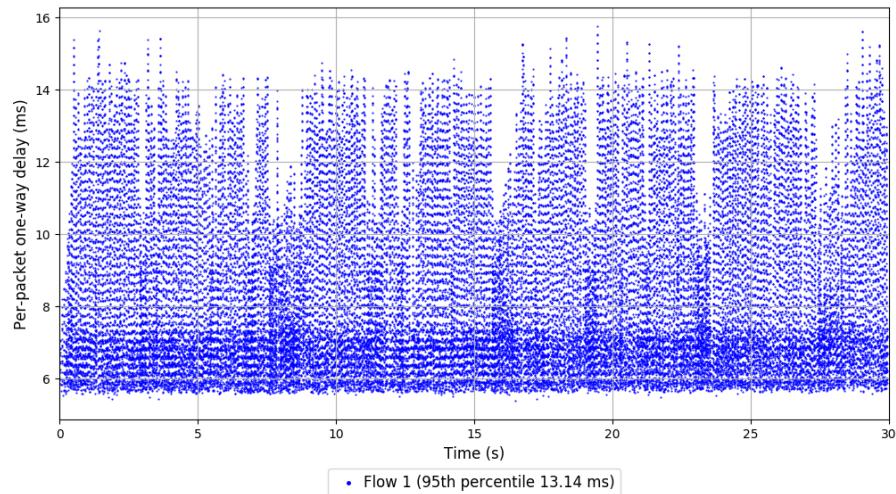
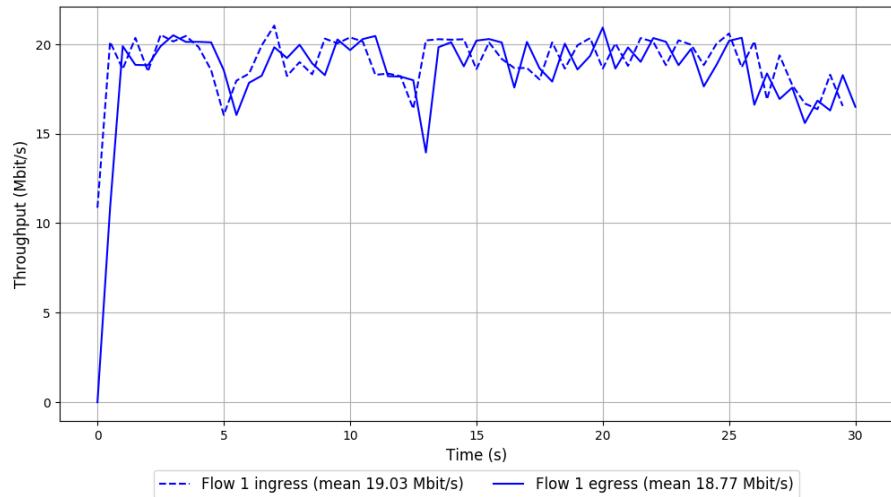


Run 4: Statistics of Sprout

```
Start at: 2018-06-29 13:47:17
End at: 2018-06-29 13:47:47
Local clock offset: 3.462 ms
Remote clock offset: -13.414 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 13.143 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 13.143 ms
Loss rate: 1.35%
```

## Run 4: Report of Sprout — Data Link

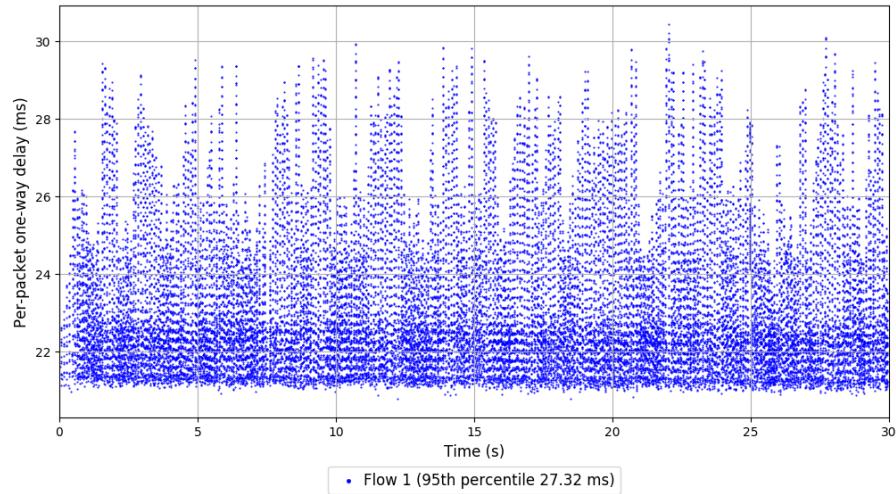
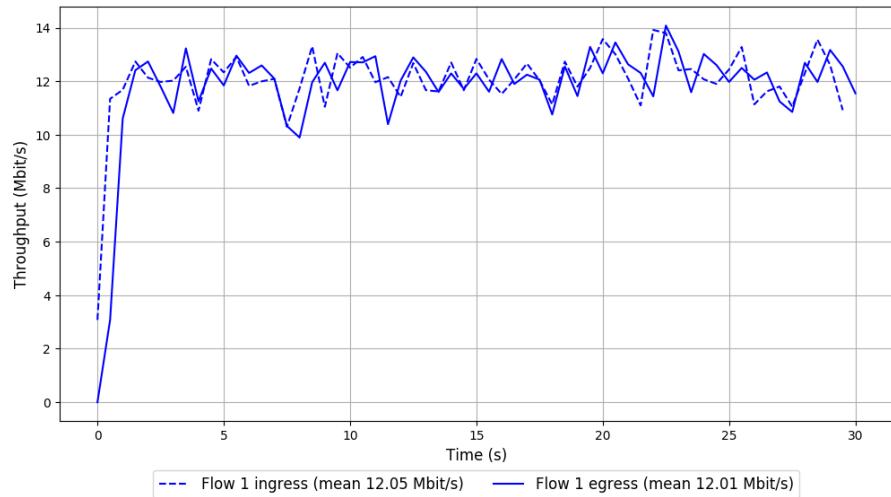


Run 5: Statistics of Sprout

```
Start at: 2018-06-29 14:06:30
End at: 2018-06-29 14:07:00
Local clock offset: 1.349 ms
Remote clock offset: 0.327 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 27.320 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 27.320 ms
Loss rate: 0.38%
```

Run 5: Report of Sprout — Data Link

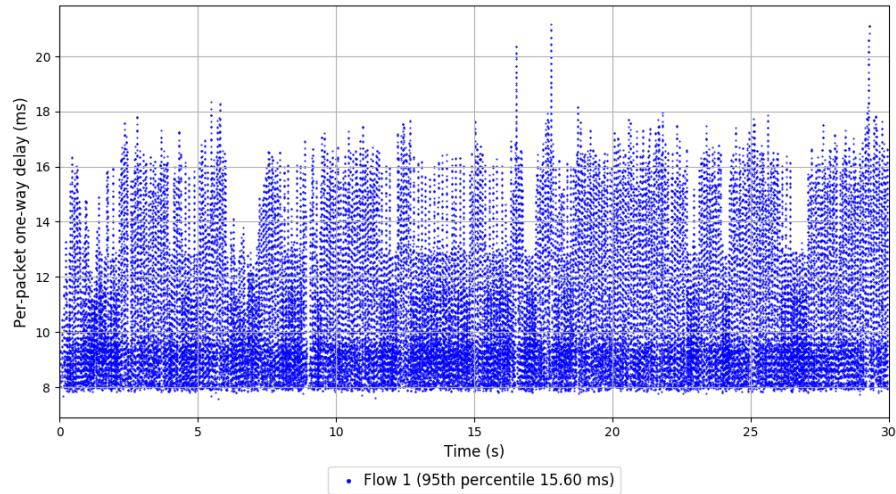
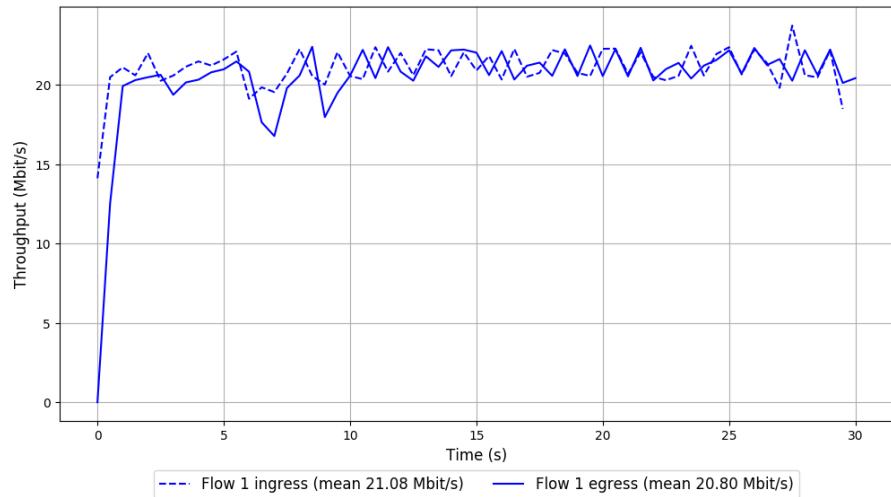


Run 6: Statistics of Sprout

```
Start at: 2018-06-29 14:26:00
End at: 2018-06-29 14:26:30
Local clock offset: 0.587 ms
Remote clock offset: -10.906 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 15.603 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 15.603 ms
Loss rate: 1.33%
```

Run 6: Report of Sprout — Data Link

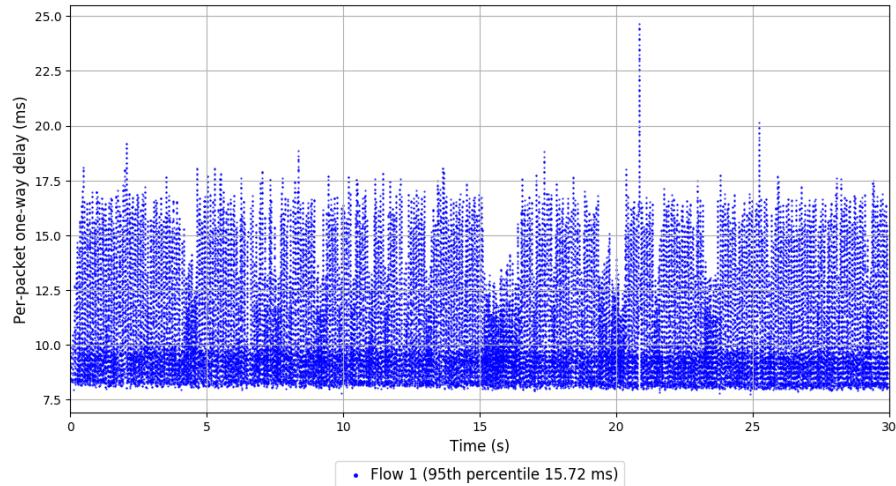
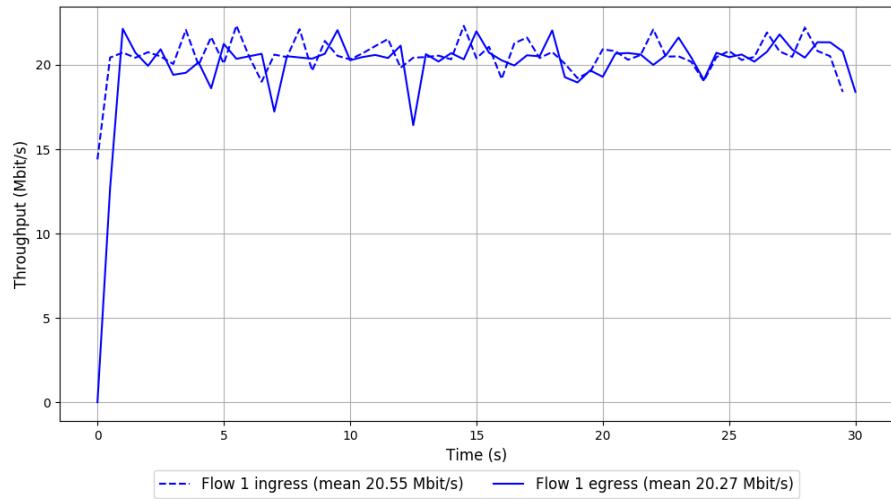


Run 7: Statistics of Sprout

```
Start at: 2018-06-29 14:45:10
End at: 2018-06-29 14:45:40
Local clock offset: -1.696 ms
Remote clock offset: -7.534 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 15.725 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 15.725 ms
Loss rate: 1.37%
```

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

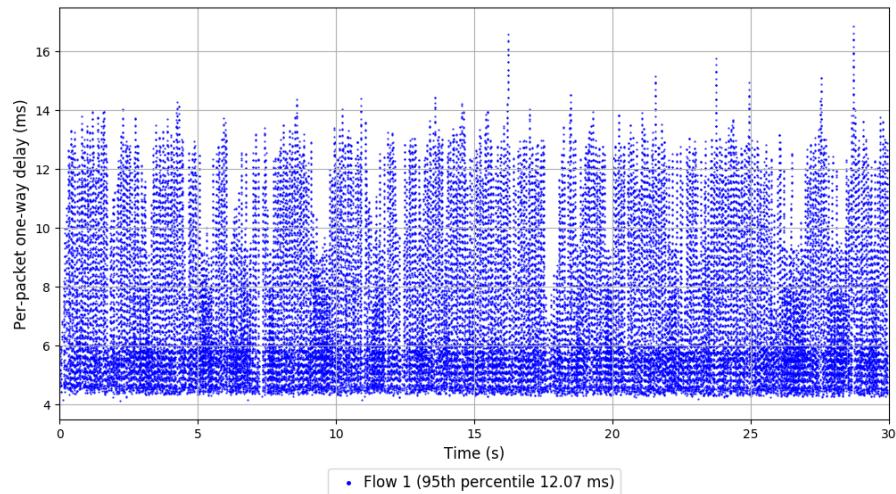
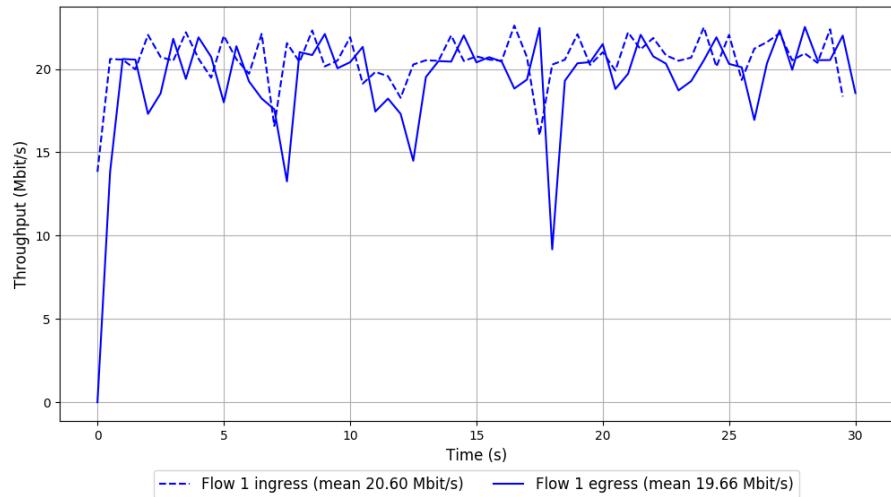


Run 8: Statistics of Sprout

```
Start at: 2018-06-29 15:04:39
End at: 2018-06-29 15:05:09
Local clock offset: 2.512 ms
Remote clock offset: -3.164 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 12.074 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 12.074 ms
Loss rate: 4.53%
```

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

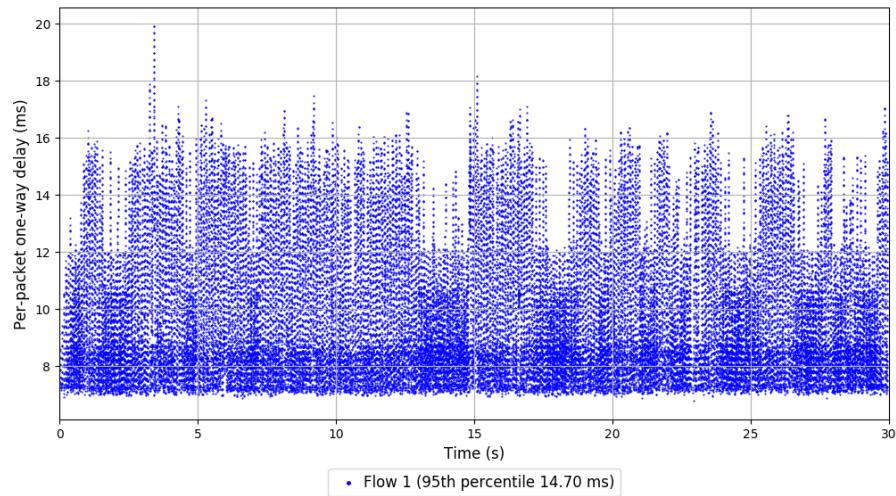
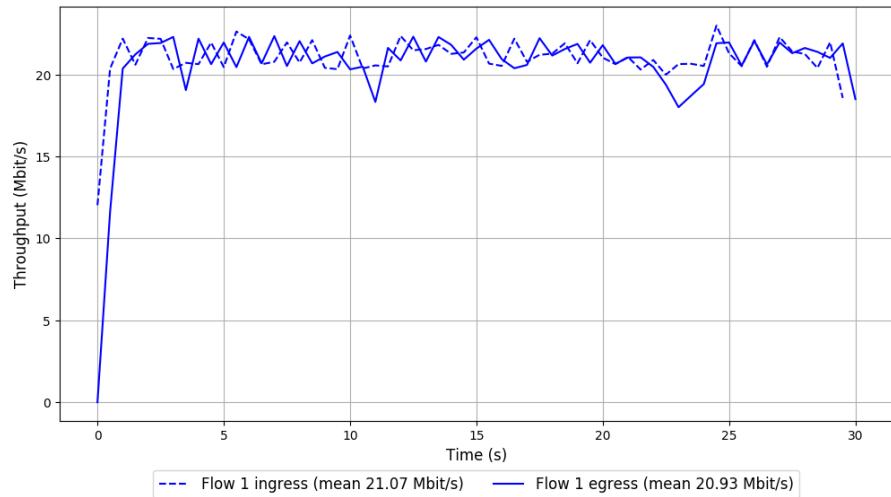


Run 9: Statistics of Sprout

```
Start at: 2018-06-29 15:24:13
End at: 2018-06-29 15:24:43
Local clock offset: 0.285 ms
Remote clock offset: -5.48 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 14.696 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 14.696 ms
Loss rate: 0.70%
```

Run 9: Report of Sprout — Data Link

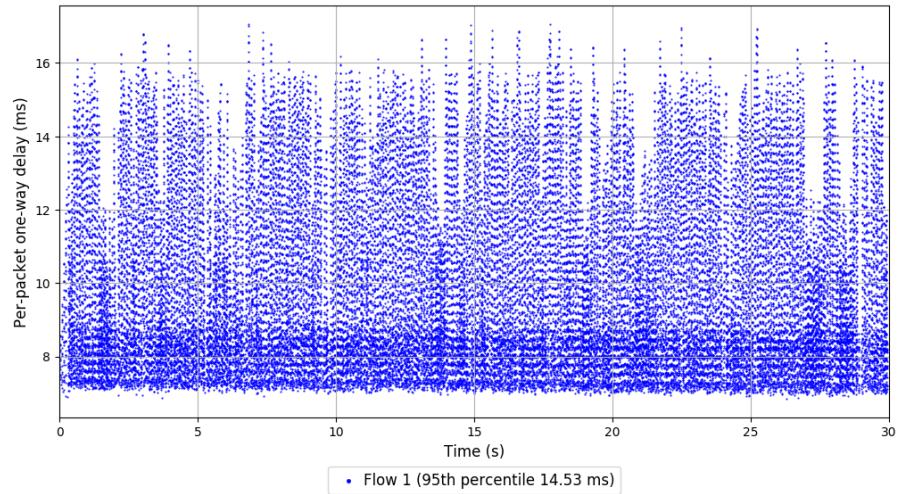
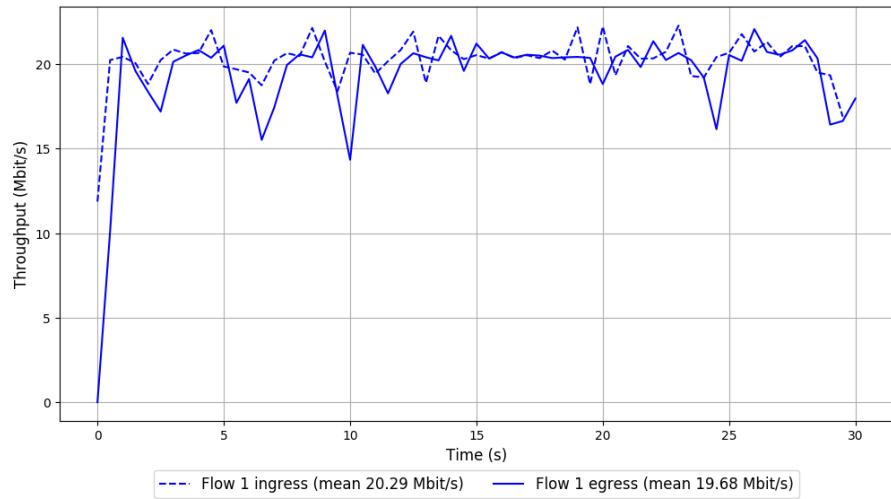


Run 10: Statistics of Sprout

```
Start at: 2018-06-29 15:43:47
End at: 2018-06-29 15:44:17
Local clock offset: 1.859 ms
Remote clock offset: -5.506 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 14.531 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 14.531 ms
Loss rate: 3.00%
```

Run 10: Report of Sprout — Data Link

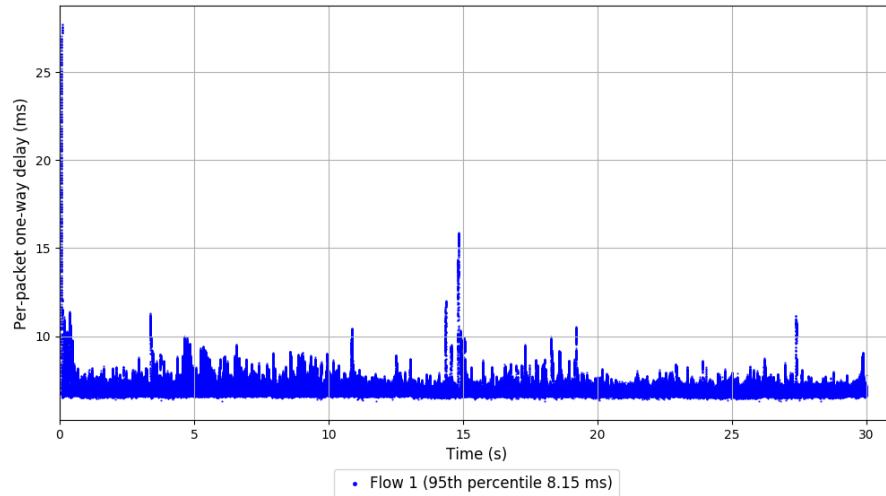
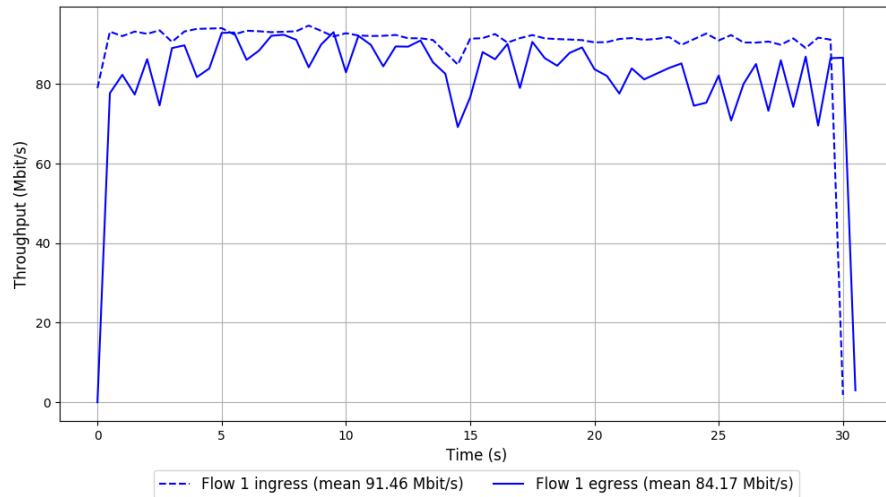


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:04:13
End at: 2018-06-29 13:04:43
Local clock offset: -0.003 ms
Remote clock offset: -8.146 ms

# Below is generated by plot.py at 2018-06-29 16:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 8.146 ms
Loss rate: 7.97%
-- Flow 1:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 8.146 ms
Loss rate: 7.97%
```

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

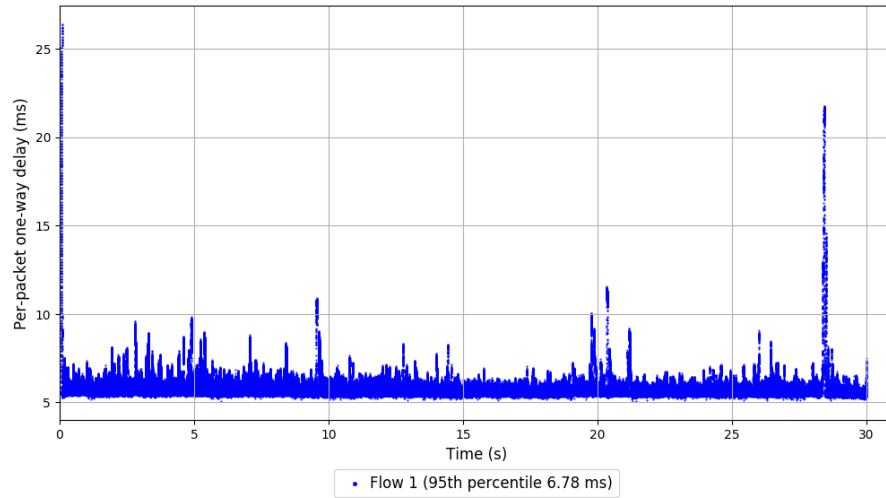
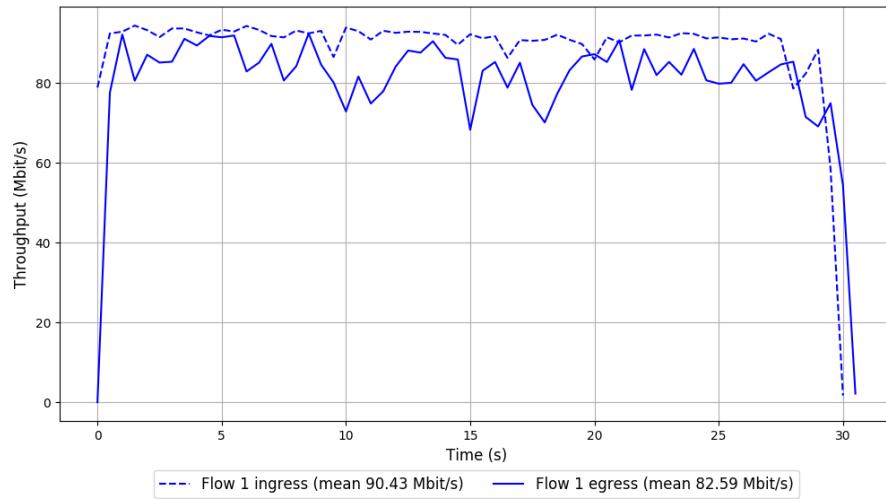


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:23:31
End at: 2018-06-29 13:24:01
Local clock offset: 1.49 ms
Remote clock offset: -5.893 ms

# Below is generated by plot.py at 2018-06-29 16:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 6.778 ms
Loss rate: 8.66%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 6.778 ms
Loss rate: 8.66%
```

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

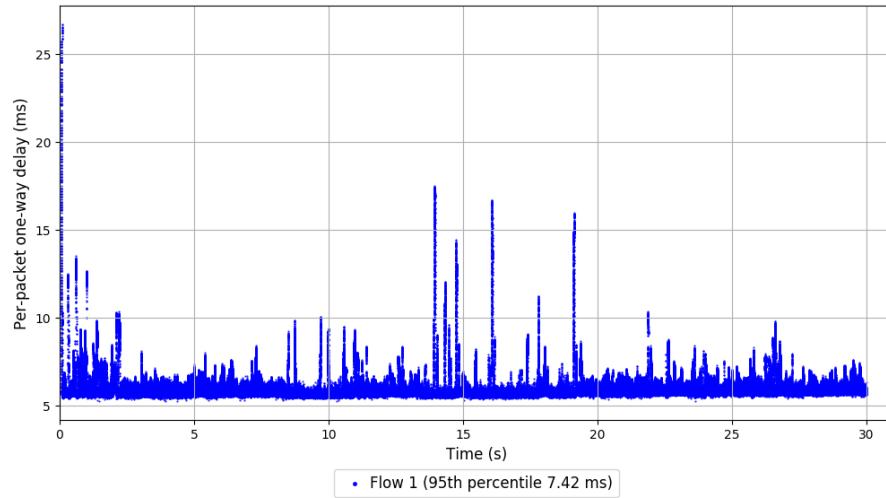
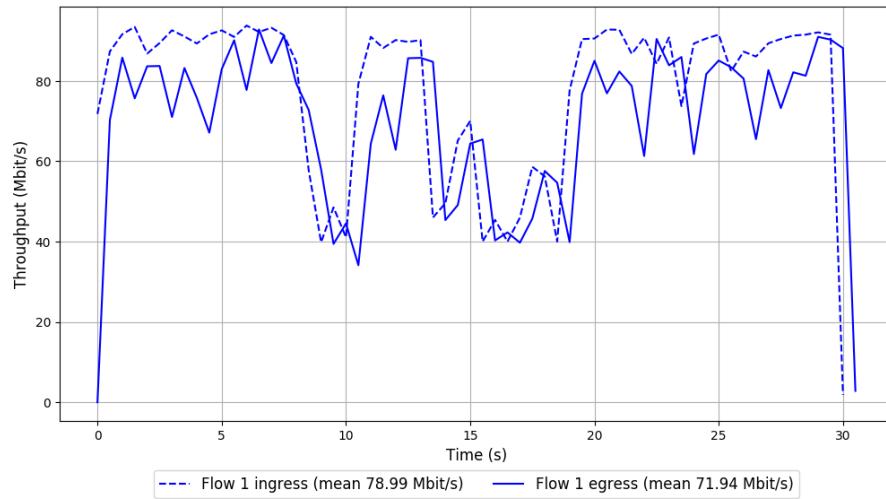


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:42:47
End at: 2018-06-29 13:43:17
Local clock offset: 1.051 ms
Remote clock offset: -12.557 ms

# Below is generated by plot.py at 2018-06-29 16:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.94 Mbit/s
95th percentile per-packet one-way delay: 7.419 ms
Loss rate: 8.92%
-- Flow 1:
Average throughput: 71.94 Mbit/s
95th percentile per-packet one-way delay: 7.419 ms
Loss rate: 8.92%
```

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

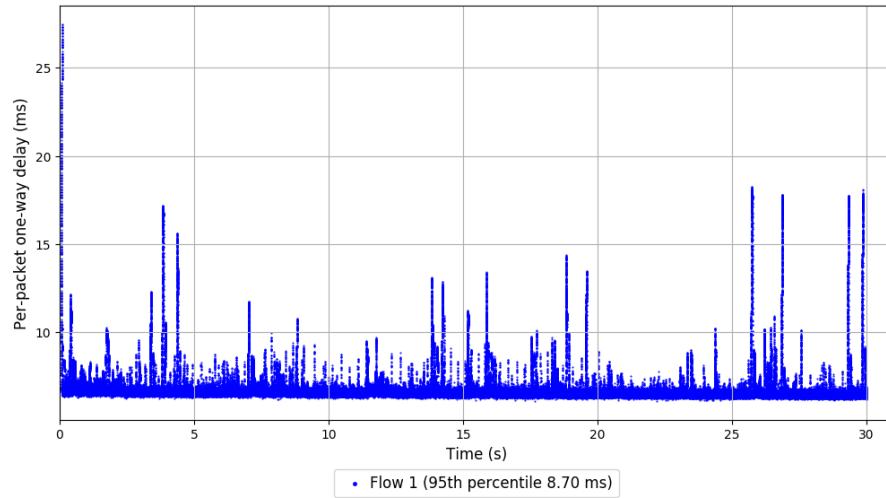
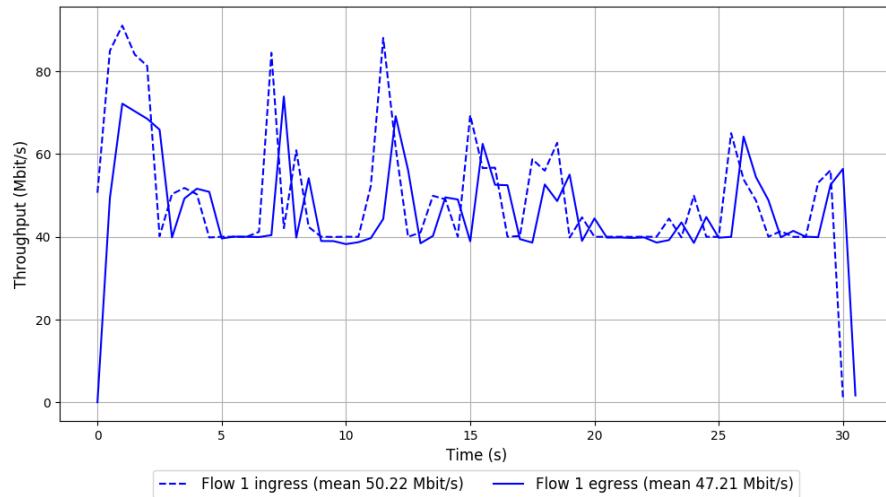


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-29 14:01:58
End at: 2018-06-29 14:02:28
Local clock offset: 1.082 ms
Remote clock offset: -14.347 ms

# Below is generated by plot.py at 2018-06-29 16:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 8.698 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 8.698 ms
Loss rate: 6.01%
```

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

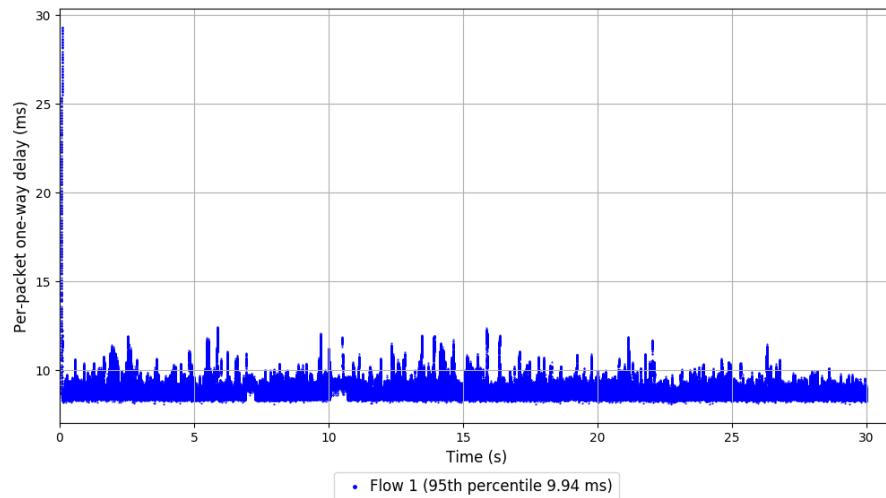
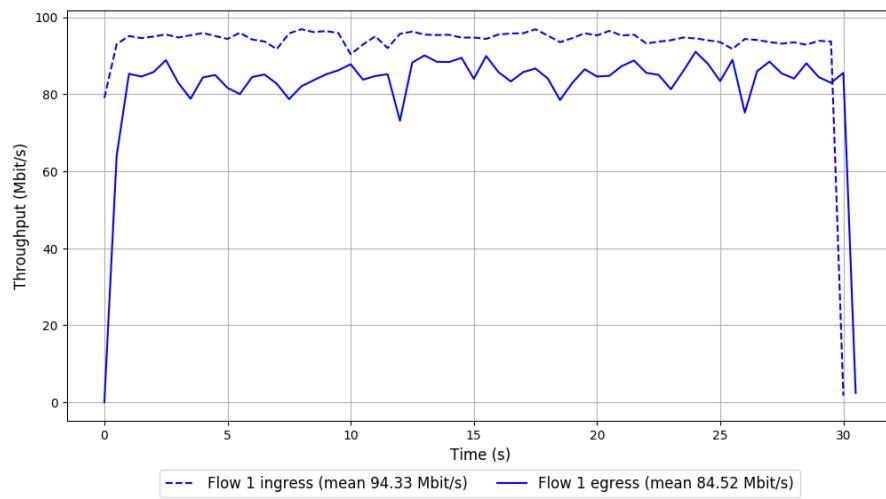


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-29 14:21:21
End at: 2018-06-29 14:21:51
Local clock offset: 0.3 ms
Remote clock offset: -12.326 ms

# Below is generated by plot.py at 2018-06-29 16:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 9.935 ms
Loss rate: 10.41%
-- Flow 1:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 9.935 ms
Loss rate: 10.41%
```

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

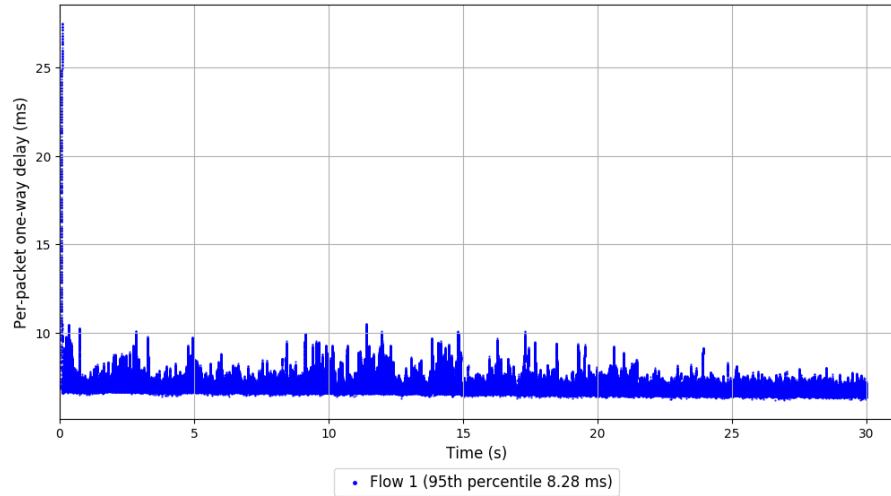
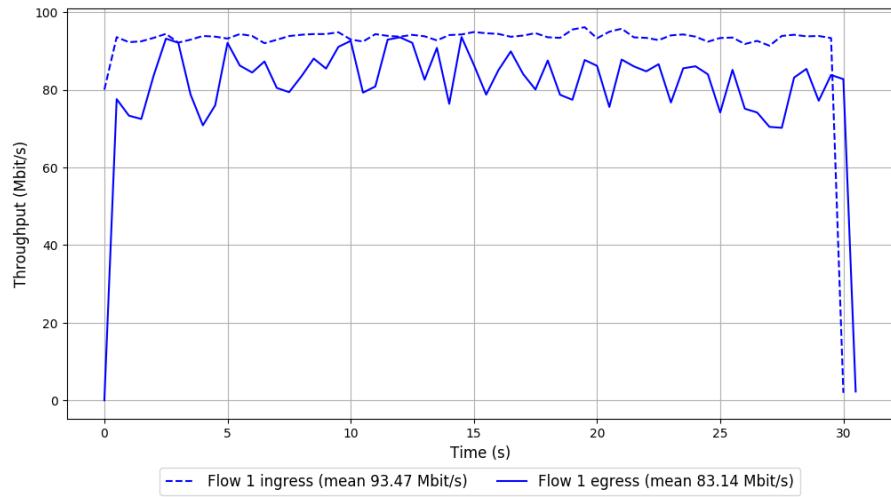


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-29 14:40:37
End at: 2018-06-29 14:41:07
Local clock offset: 3.08 ms
Remote clock offset: -7.563 ms

# Below is generated by plot.py at 2018-06-29 16:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 8.278 ms
Loss rate: 11.05%
-- Flow 1:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 8.278 ms
Loss rate: 11.05%
```

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

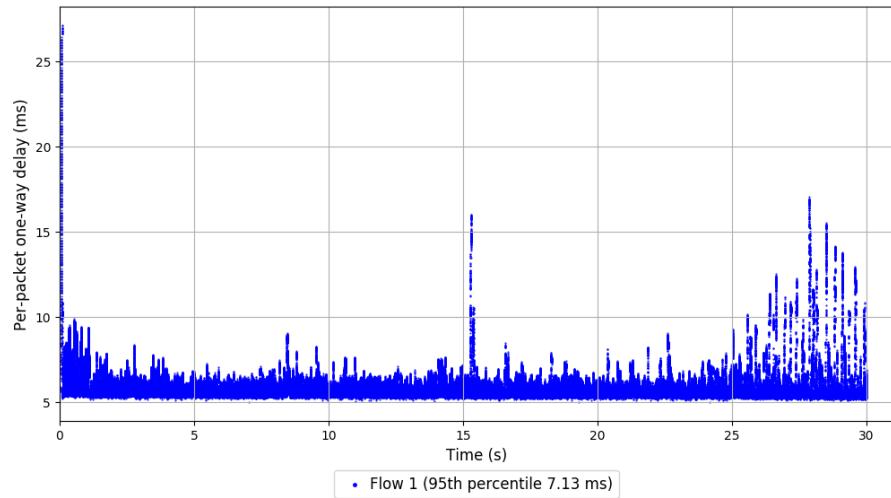
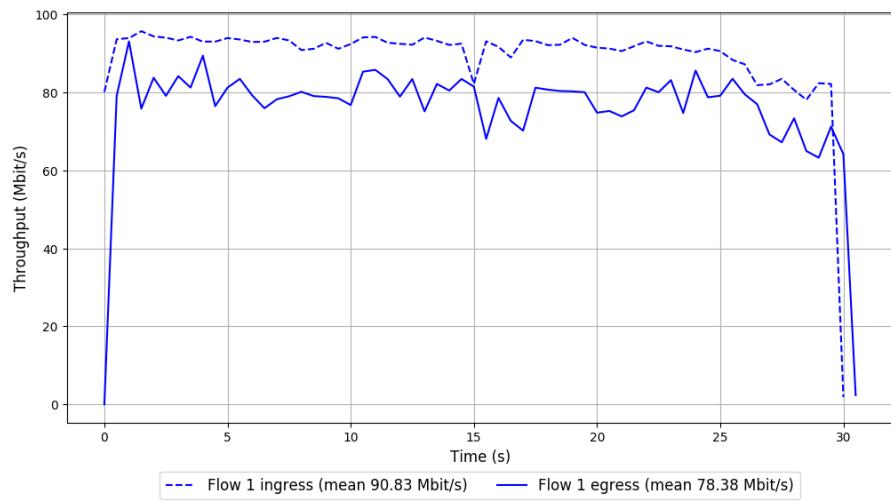


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-29 14:59:55
End at: 2018-06-29 15:00:25
Local clock offset: 2.003 ms
Remote clock offset: -3.379 ms

# Below is generated by plot.py at 2018-06-29 16:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.38 Mbit/s
95th percentile per-packet one-way delay: 7.132 ms
Loss rate: 13.70%
-- Flow 1:
Average throughput: 78.38 Mbit/s
95th percentile per-packet one-way delay: 7.132 ms
Loss rate: 13.70%
```

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

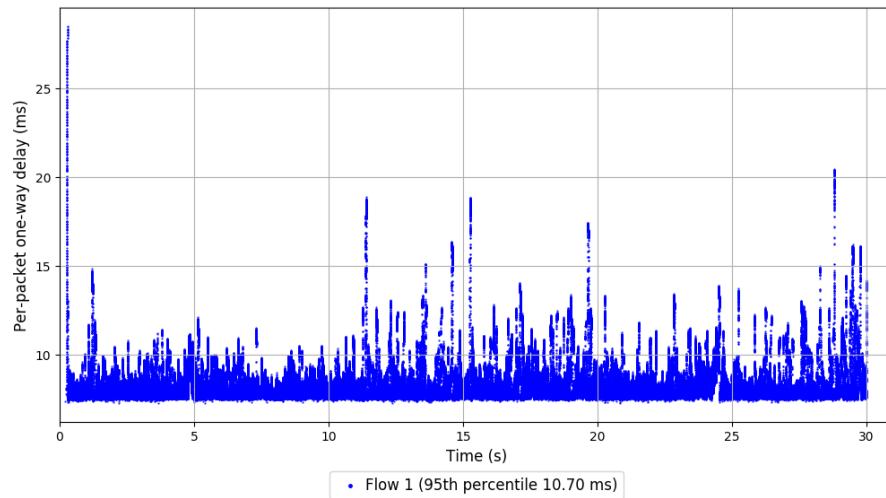
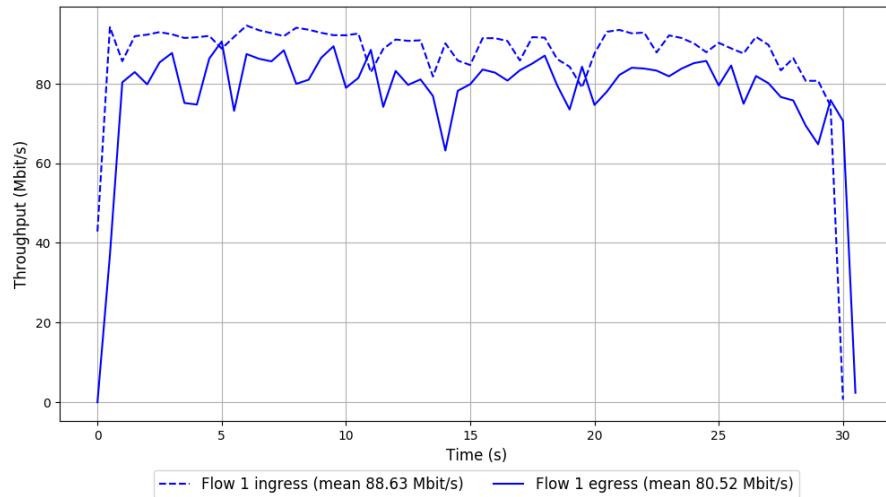


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-29 15:19:39
End at: 2018-06-29 15:20:09
Local clock offset: -0.517 ms
Remote clock offset: -5.309 ms

# Below is generated by plot.py at 2018-06-29 16:16:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 10.696 ms
Loss rate: 9.74%
-- Flow 1:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 10.696 ms
Loss rate: 9.74%
```

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

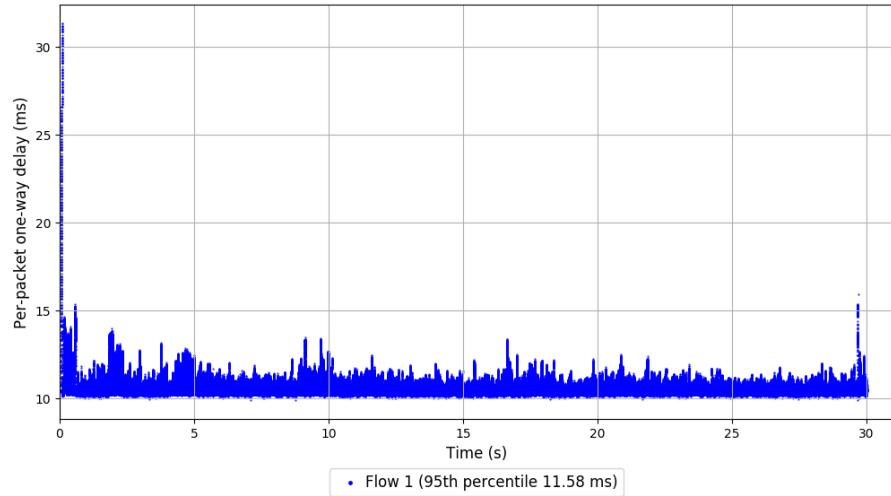
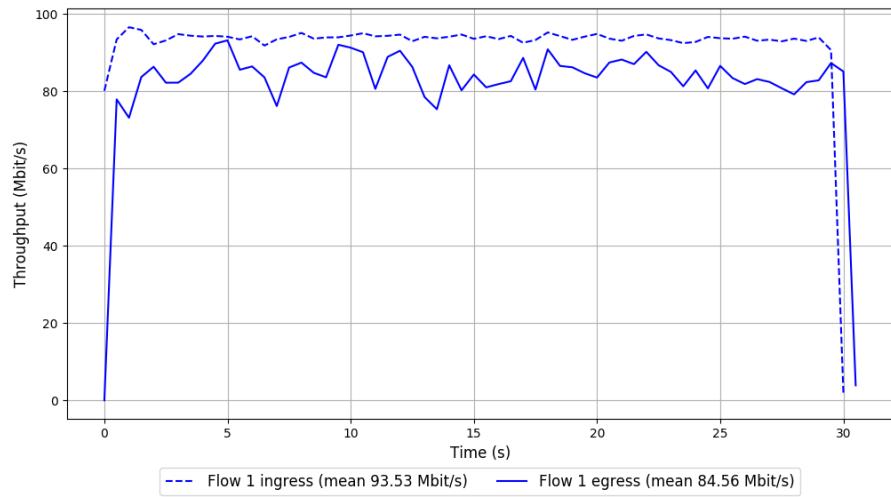


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-29 15:39:14
End at: 2018-06-29 15:39:44
Local clock offset: -0.384 ms
Remote clock offset: -4.928 ms

# Below is generated by plot.py at 2018-06-29 16:17:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 11.576 ms
Loss rate: 9.59%
-- Flow 1:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 11.576 ms
Loss rate: 9.59%
```

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

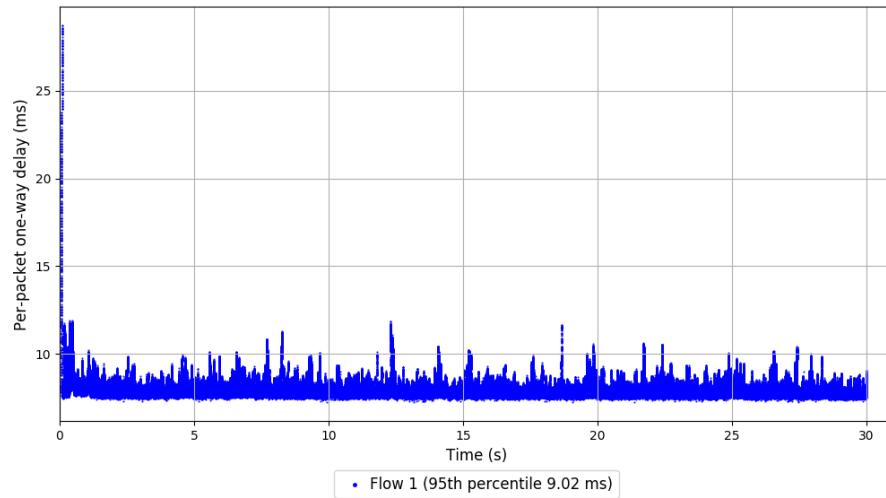
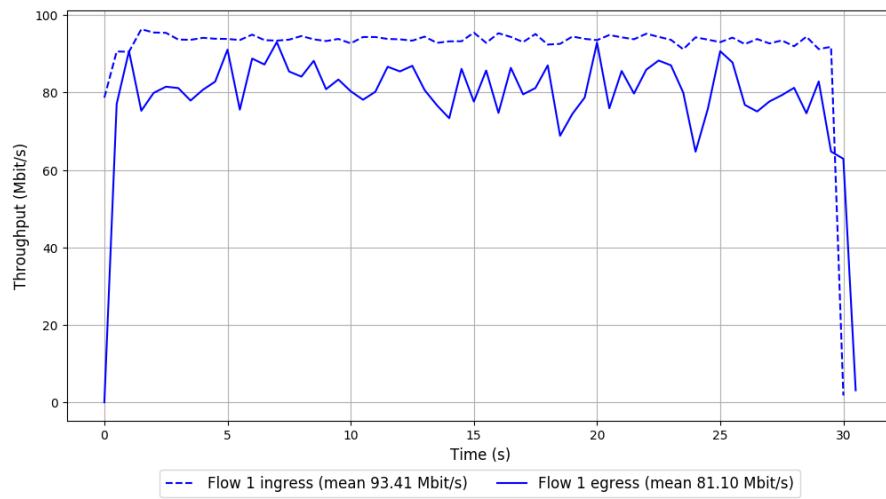


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-29 15:58:32
End at: 2018-06-29 15:59:02
Local clock offset: -2.069 ms
Remote clock offset: -6.343 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 9.016 ms
Loss rate: 13.19%
-- Flow 1:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 9.016 ms
Loss rate: 13.19%
```

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

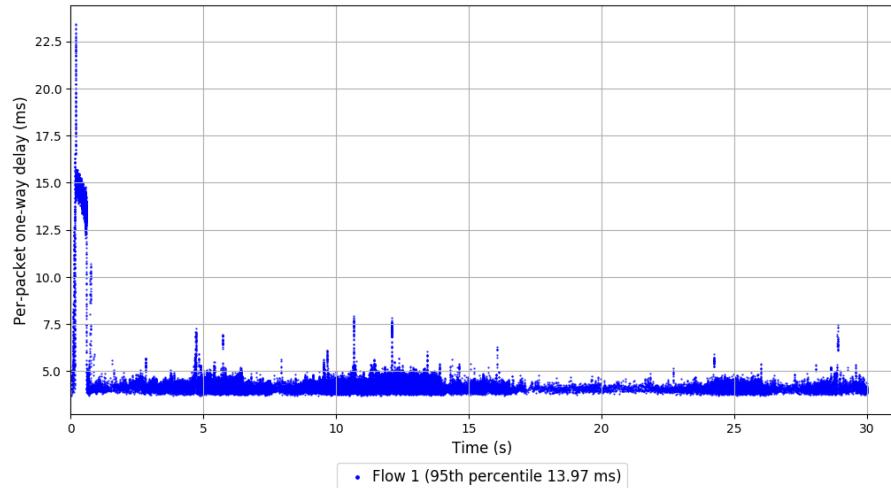
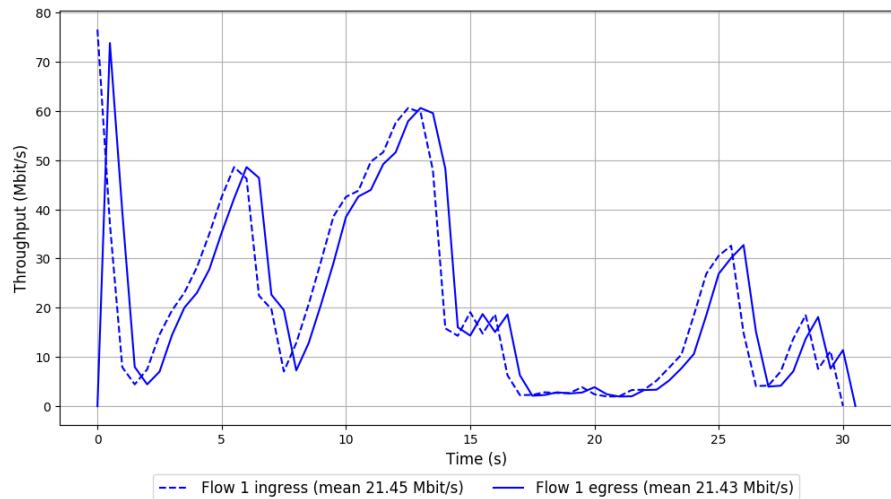


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-29 12:59:48
End at: 2018-06-29 13:00:18
Local clock offset: 3.548 ms
Remote clock offset: -7.702 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 13.971 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 13.971 ms
Loss rate: 0.08%
```

Run 1: Report of TCP Vegas — Data Link

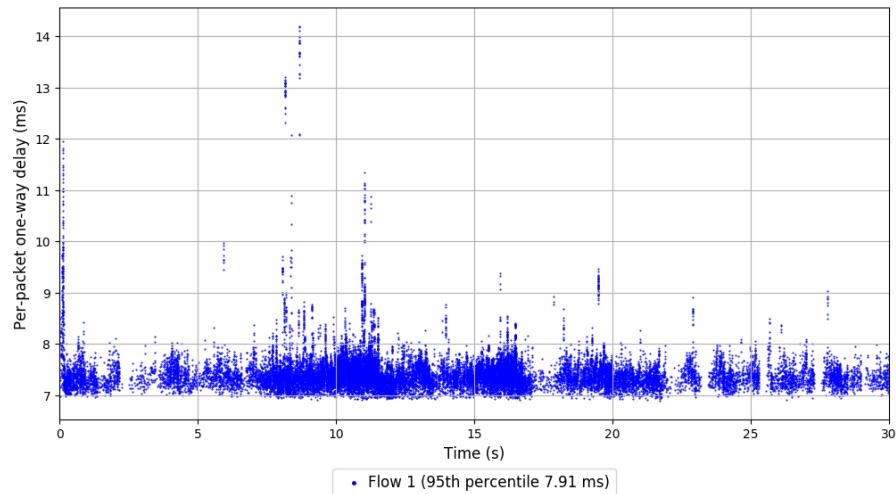
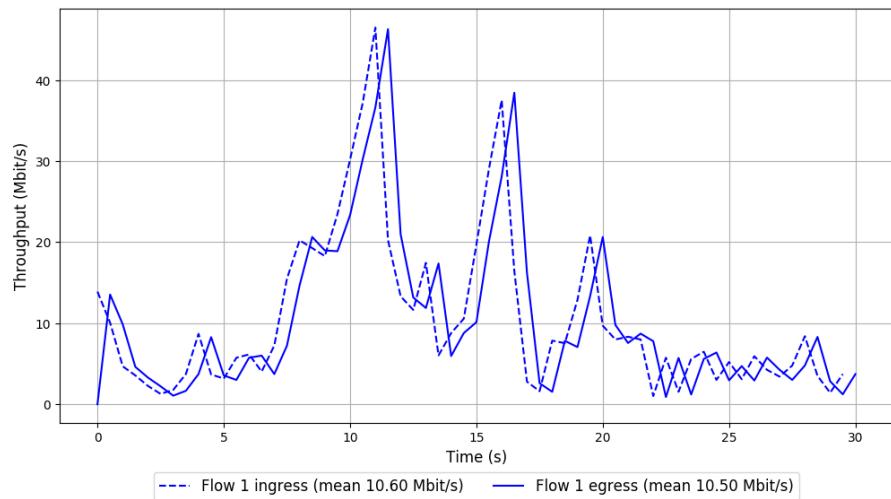


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-29 13:19:04
End at: 2018-06-29 13:19:34
Local clock offset: 0.498 ms
Remote clock offset: -6.411 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 7.908 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 7.908 ms
Loss rate: 1.03%
```

Run 2: Report of TCP Vegas — Data Link

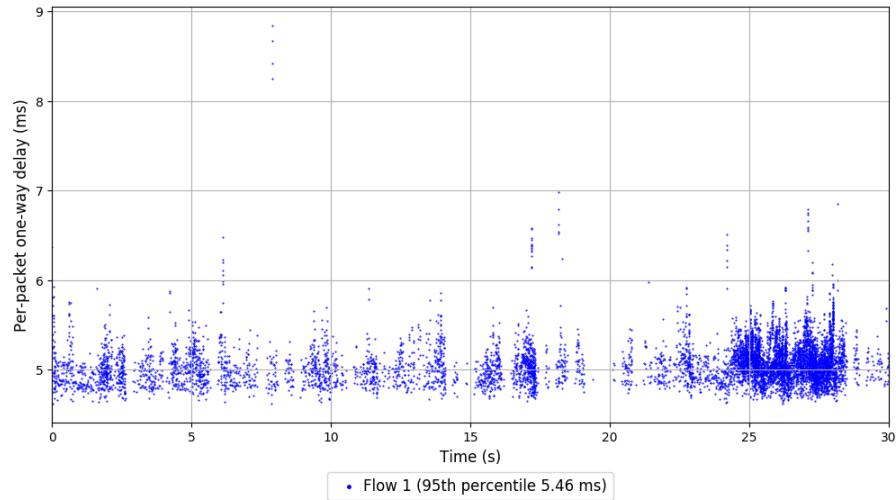
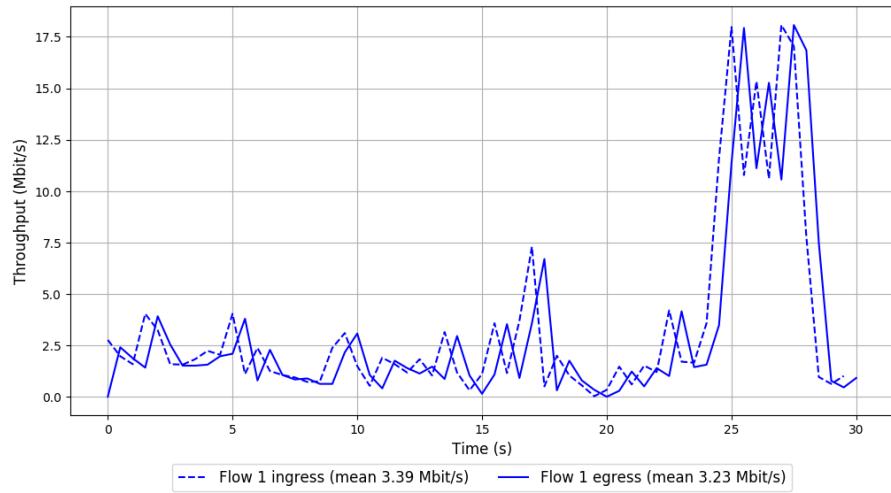


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-29 13:38:23
End at: 2018-06-29 13:38:53
Local clock offset: 0.693 ms
Remote clock offset: -12.842 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 5.460 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 5.460 ms
Loss rate: 4.77%
```

Run 3: Report of TCP Vegas — Data Link

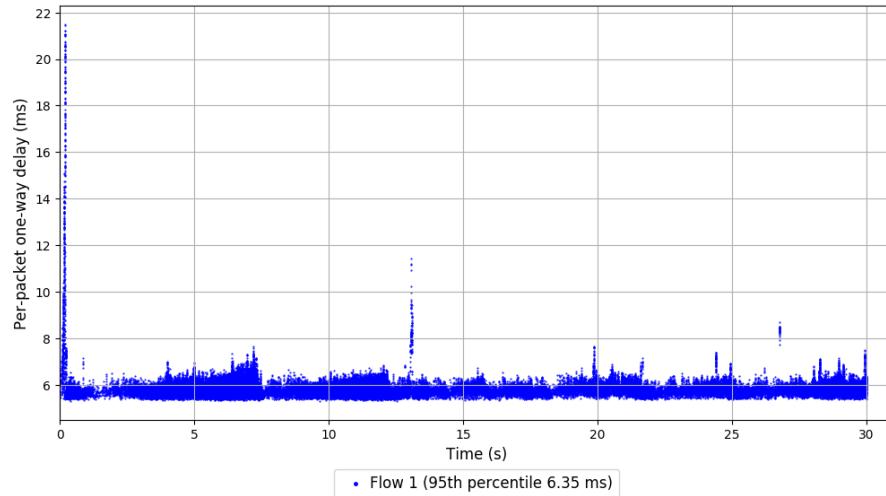
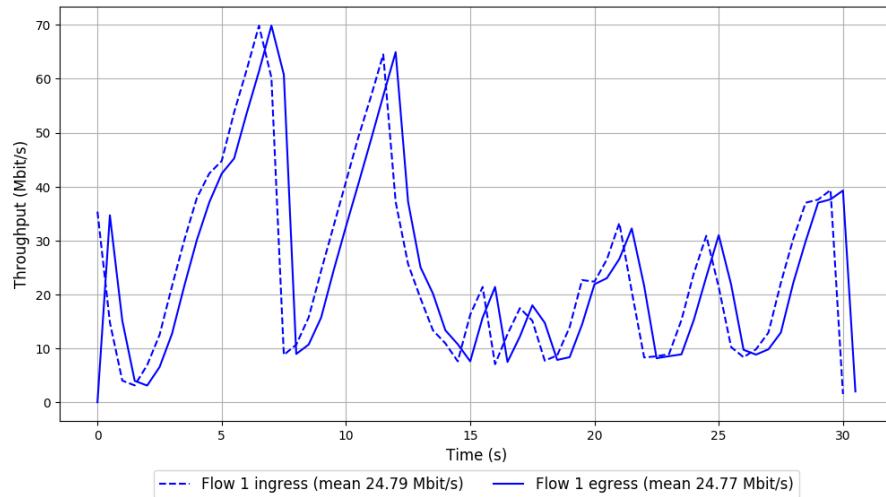


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-29 13:57:31
End at: 2018-06-29 13:58:01
Local clock offset: 3.011 ms
Remote clock offset: -14.733 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 6.350 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 6.350 ms
Loss rate: 0.09%
```

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

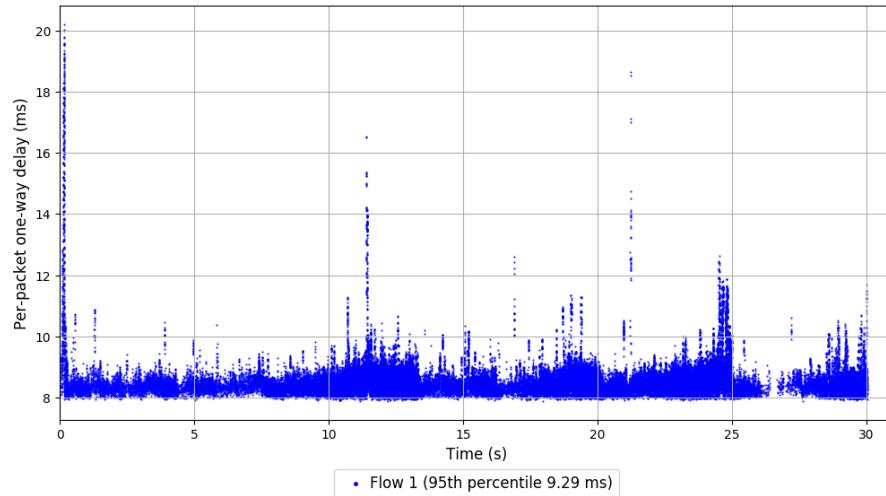
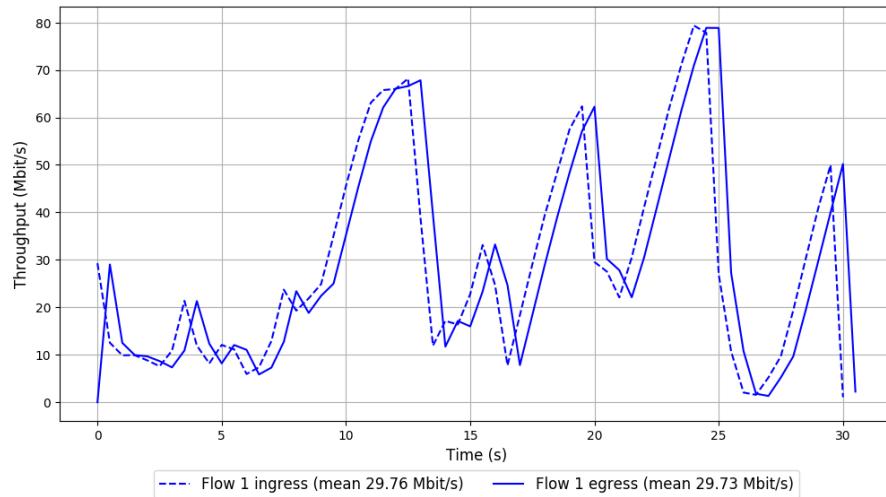


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-29 14:16:51
End at: 2018-06-29 14:17:21
Local clock offset: -0.669 ms
Remote clock offset: -11.678 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 9.295 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 9.295 ms
Loss rate: 0.10%
```

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

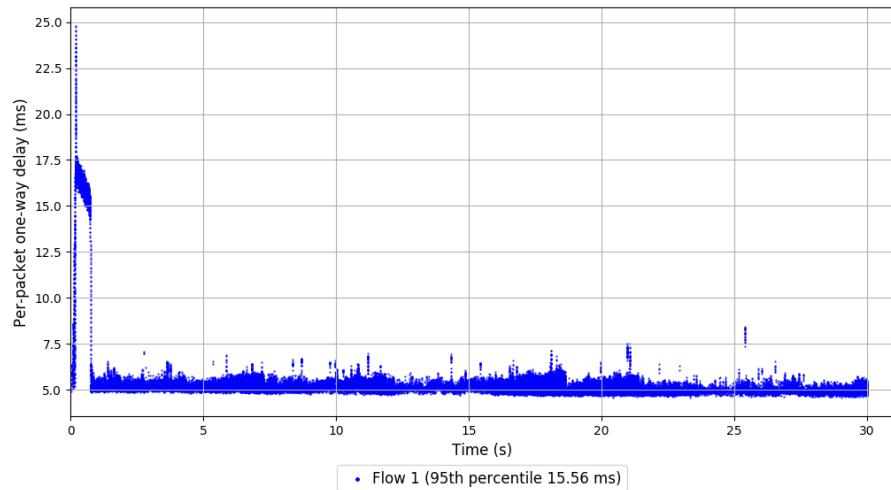
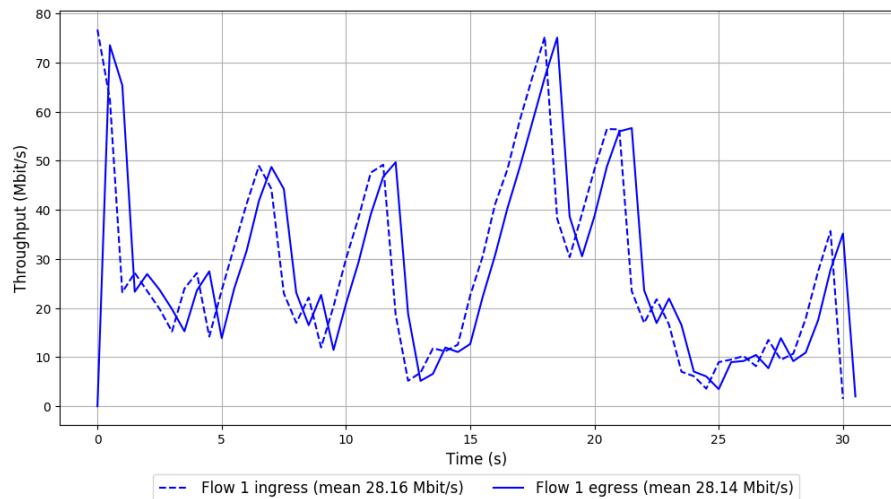


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-29 14:36:11
End at: 2018-06-29 14:36:41
Local clock offset: 3.832 ms
Remote clock offset: -11.035 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 15.565 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 15.565 ms
Loss rate: 0.07%
```

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

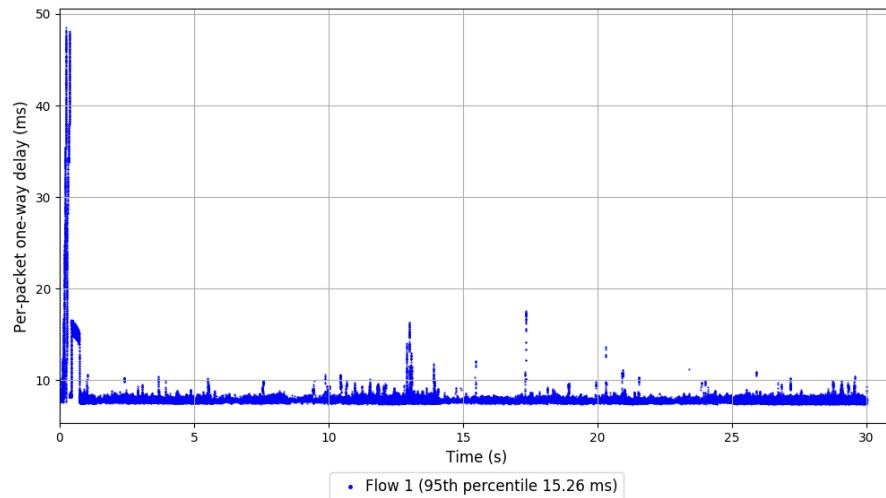
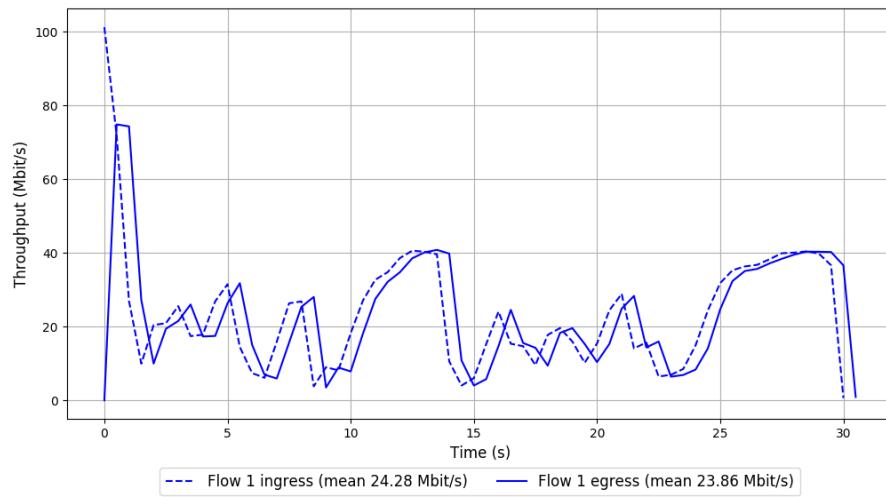


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-29 14:55:23
End at: 2018-06-29 14:55:53
Local clock offset: 0.116 ms
Remote clock offset: -3.663 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 15.263 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 15.263 ms
Loss rate: 1.74%
```

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

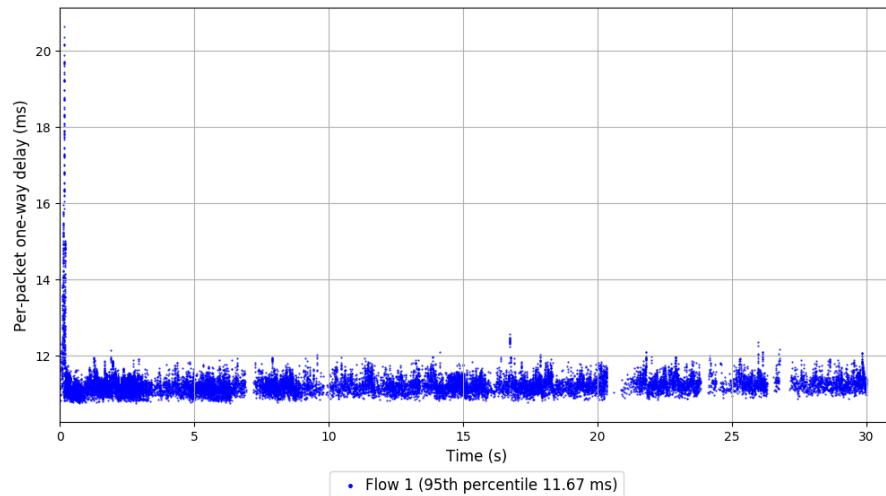
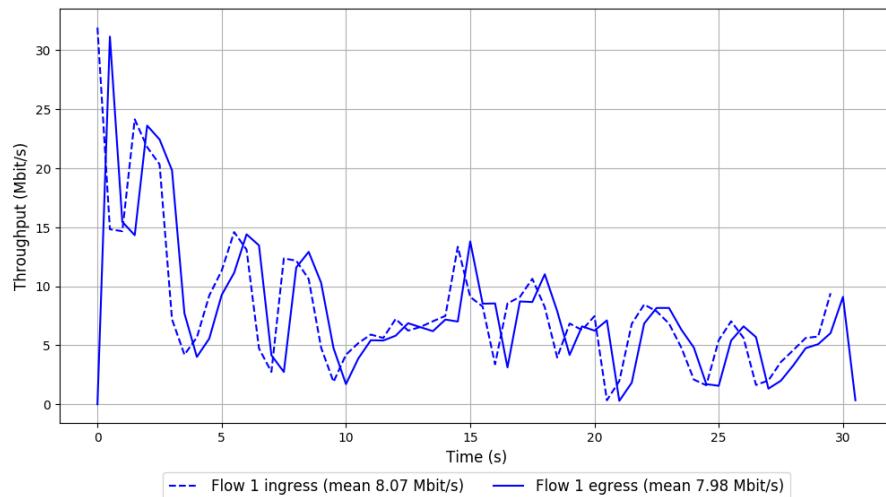


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-29 15:15:06
End at: 2018-06-29 15:15:36
Local clock offset: -1.622 ms
Remote clock offset: -3.835 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 11.666 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 11.666 ms
Loss rate: 1.21%
```

Run 8: Report of TCP Vegas — Data Link

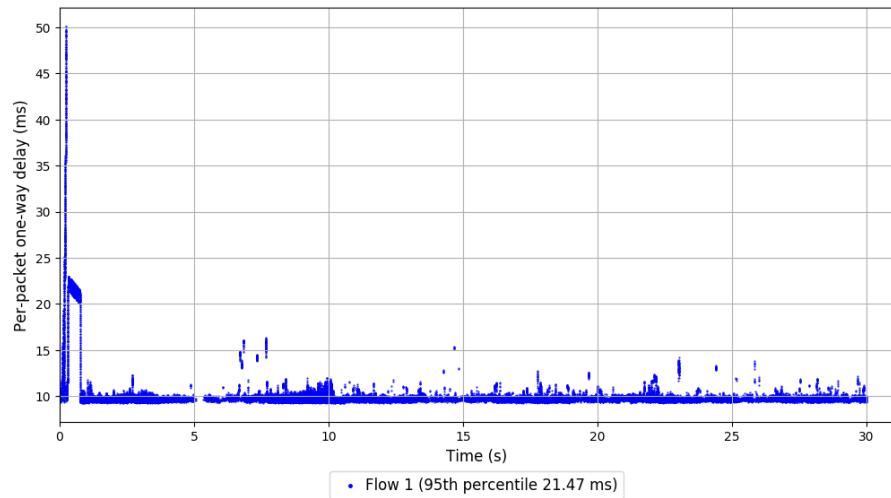
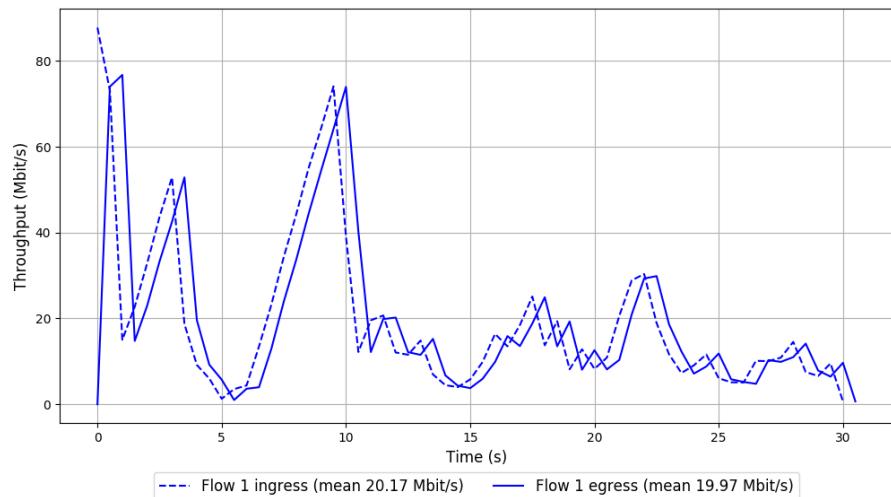


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-29 15:34:44
End at: 2018-06-29 15:35:14
Local clock offset: -1.548 ms
Remote clock offset: -5.302 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 21.468 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 21.468 ms
Loss rate: 1.03%
```

Run 9: Report of TCP Vegas — Data Link

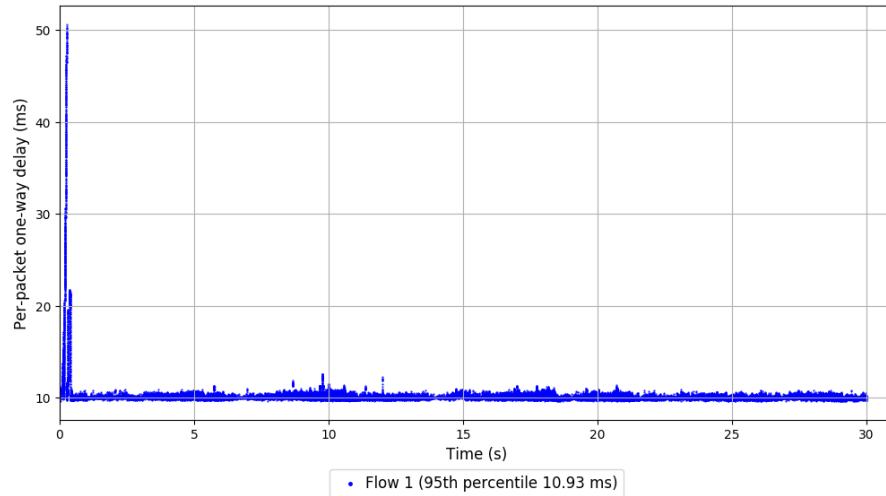
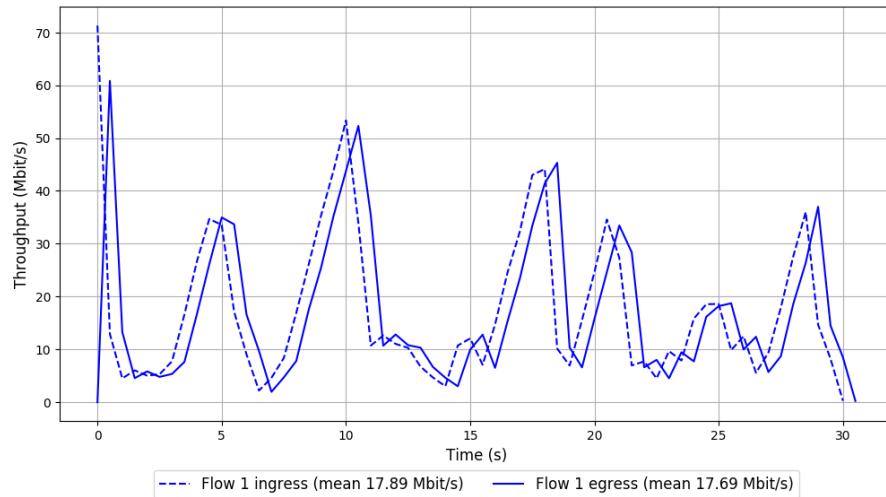


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-29 15:54:08
End at: 2018-06-29 15:54:38
Local clock offset: -0.363 ms
Remote clock offset: -2.961 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.69 Mbit/s
95th percentile per-packet one-way delay: 10.927 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 17.69 Mbit/s
95th percentile per-packet one-way delay: 10.927 ms
Loss rate: 1.12%
```

Run 10: Report of TCP Vegas — Data Link

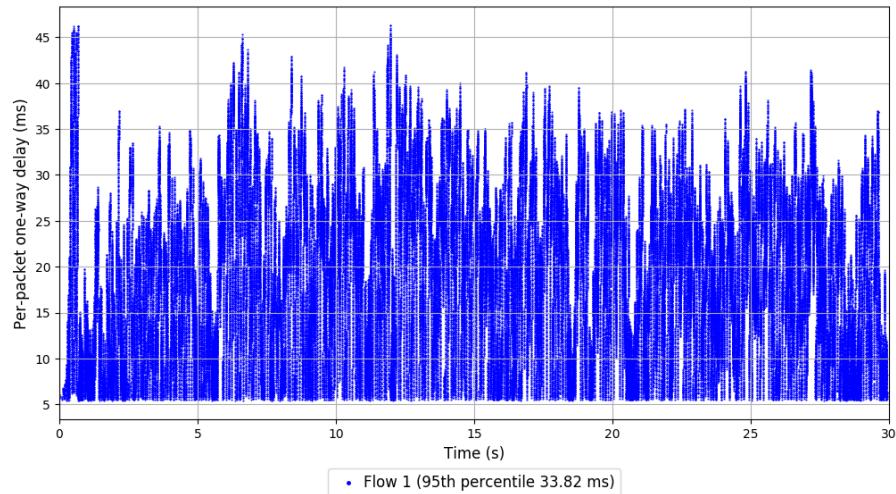
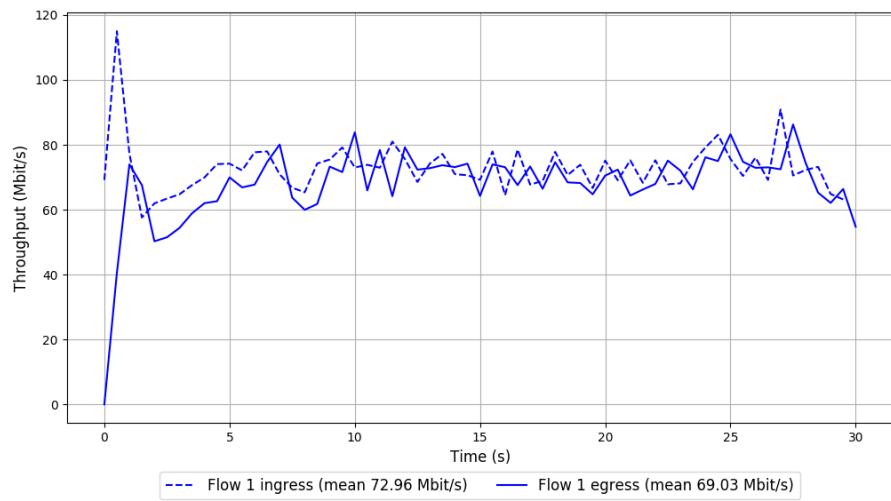


Run 1: Statistics of Verus

```
Start at: 2018-06-29 12:53:00
End at: 2018-06-29 12:53:30
Local clock offset: 1.472 ms
Remote clock offset: -7.982 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 33.818 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 33.818 ms
Loss rate: 5.38%
```

Run 1: Report of Verus — Data Link

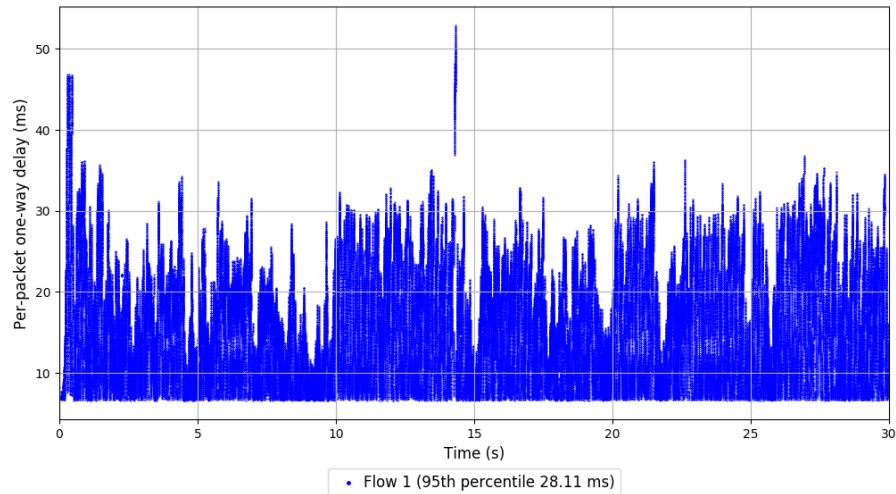
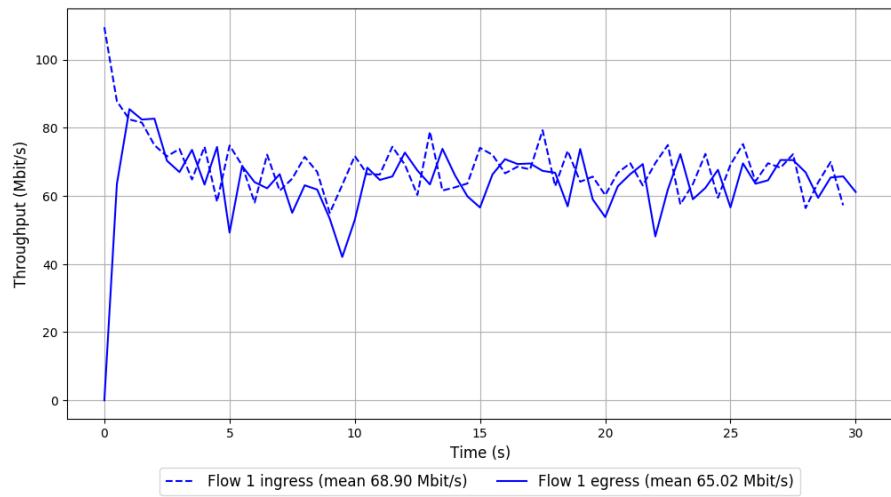


Run 2: Statistics of Verus

```
Start at: 2018-06-29 13:12:07
End at: 2018-06-29 13:12:37
Local clock offset: 1.708 ms
Remote clock offset: -6.039 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 28.112 ms
Loss rate: 5.60%
-- Flow 1:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 28.112 ms
Loss rate: 5.60%
```

Run 2: Report of Verus — Data Link

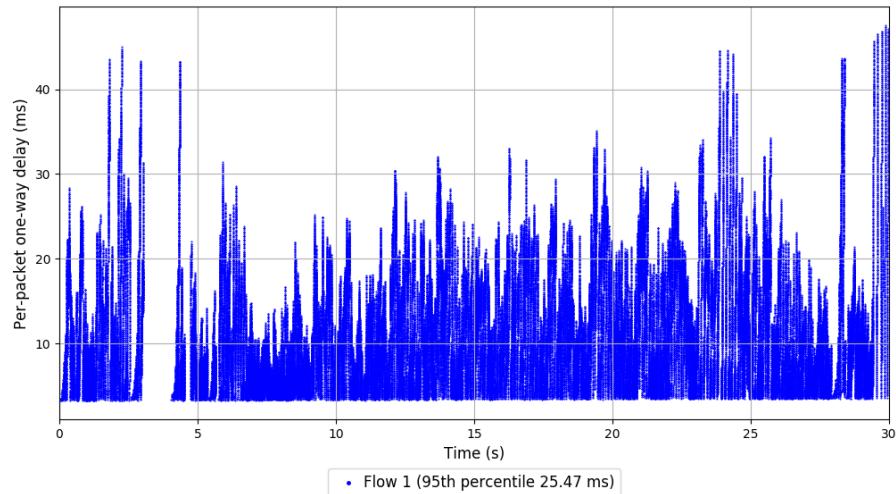
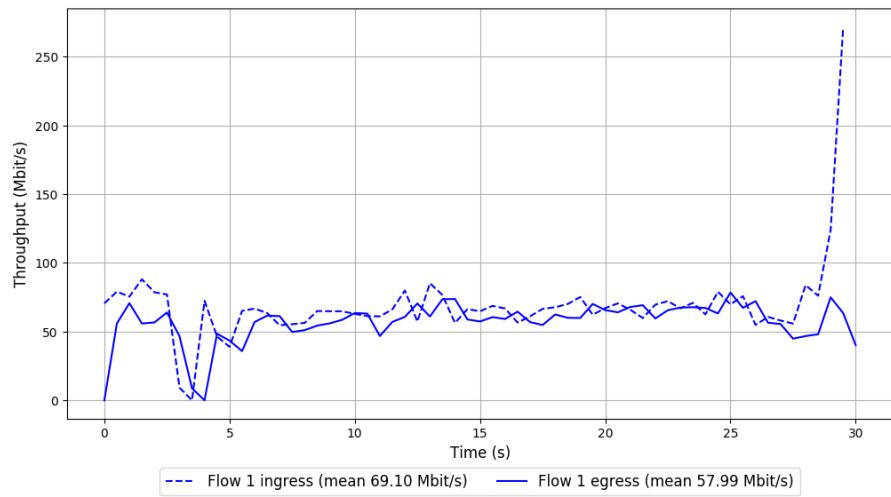


Run 3: Statistics of Verus

```
Start at: 2018-06-29 13:31:30
End at: 2018-06-29 13:32:00
Local clock offset: 2.562 ms
Remote clock offset: -12.307 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 25.468 ms
Loss rate: 16.04%
-- Flow 1:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 25.468 ms
Loss rate: 16.04%
```

Run 3: Report of Verus — Data Link

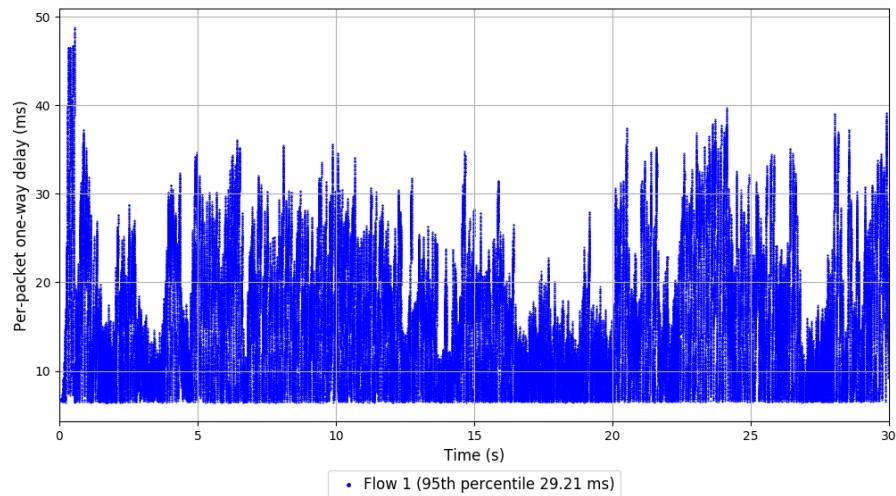
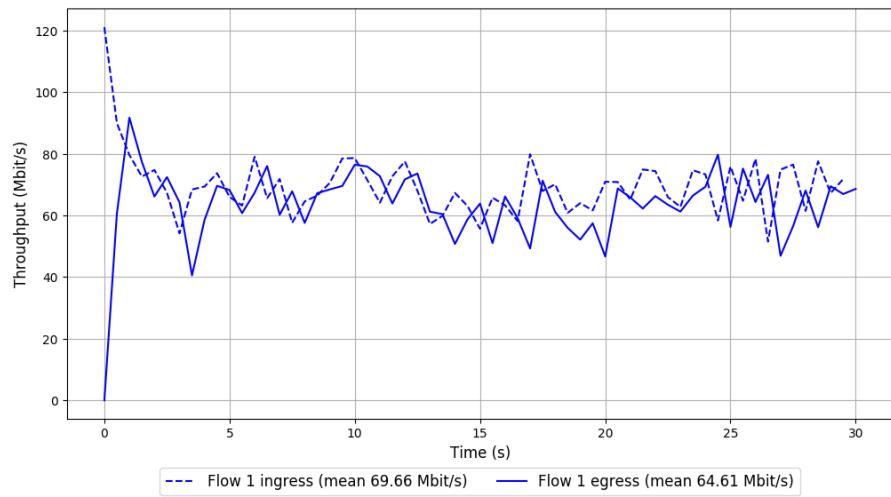


Run 4: Statistics of Verus

```
Start at: 2018-06-29 13:50:44
End at: 2018-06-29 13:51:14
Local clock offset: 1.59 ms
Remote clock offset: -14.919 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 29.214 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 29.214 ms
Loss rate: 7.28%
```

Run 4: Report of Verus — Data Link

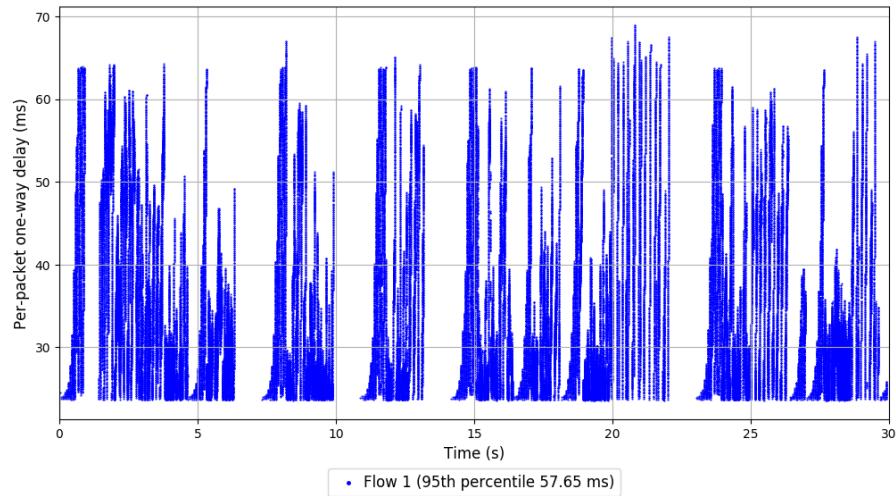
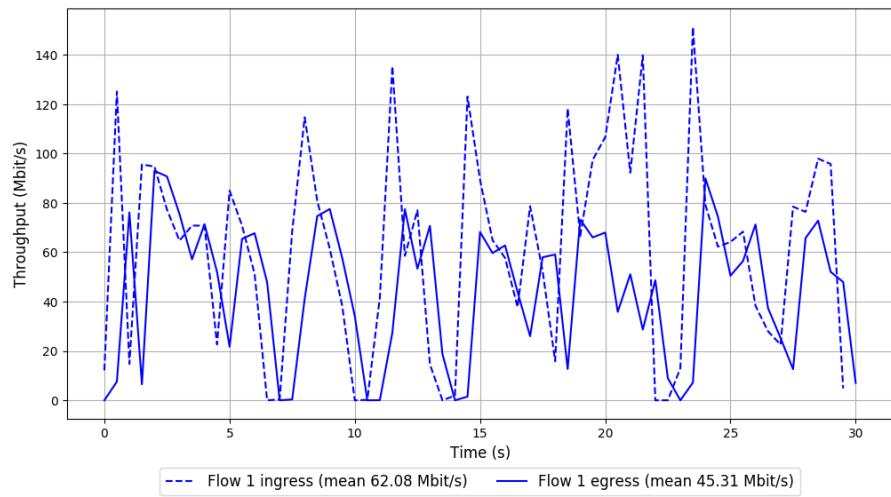


Run 5: Statistics of Verus

```
Start at: 2018-06-29 14:09:55
End at: 2018-06-29 14:10:25
Local clock offset: -0.058 ms
Remote clock offset: 2.065 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 57.653 ms
Loss rate: 27.00%
-- Flow 1:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 57.653 ms
Loss rate: 27.00%
```

Run 5: Report of Verus — Data Link

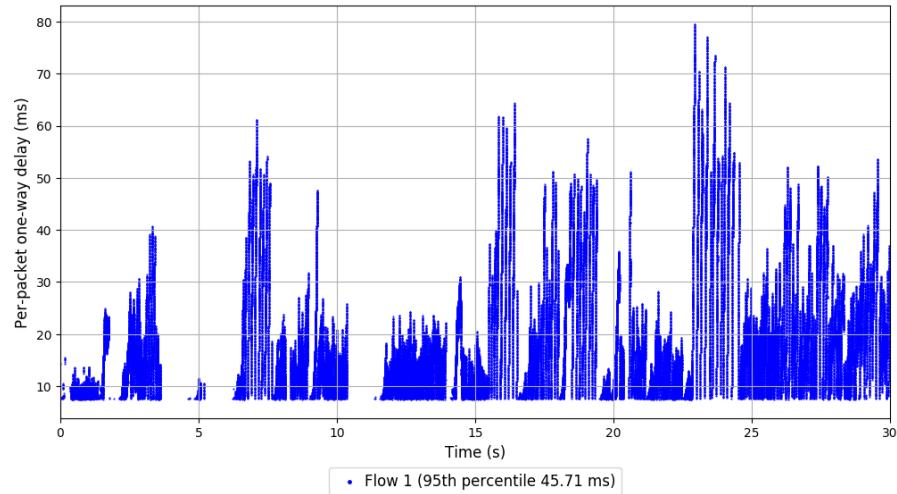
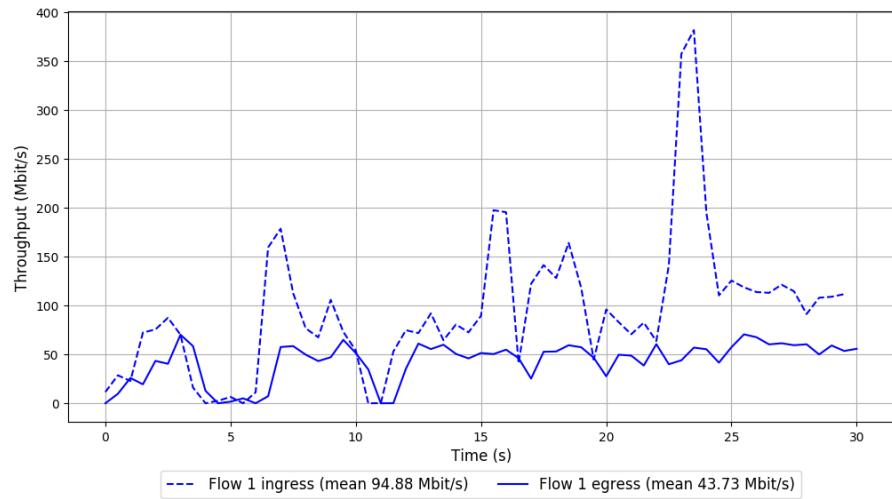


Run 6: Statistics of Verus

```
Start at: 2018-06-29 14:29:23
End at: 2018-06-29 14:29:53
Local clock offset: 0.179 ms
Remote clock offset: -11.633 ms

# Below is generated by plot.py at 2018-06-29 16:17:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 45.714 ms
Loss rate: 53.90%
-- Flow 1:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 45.714 ms
Loss rate: 53.90%
```

## Run 6: Report of Verus — Data Link

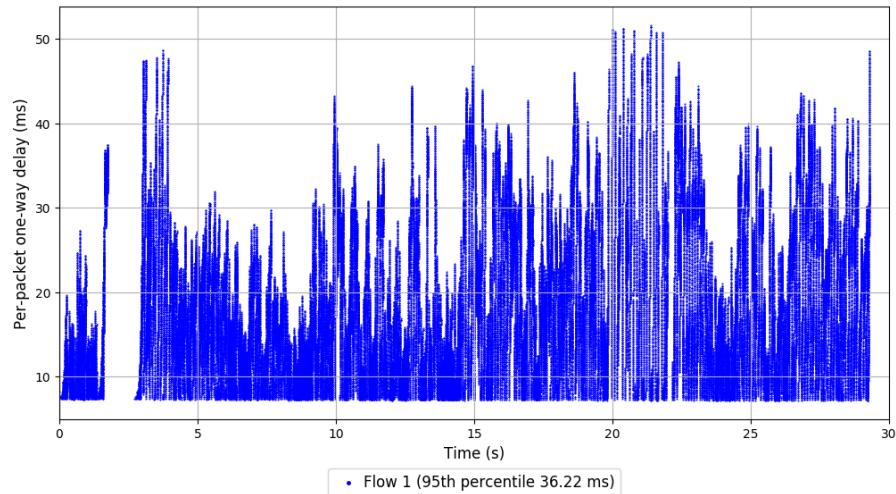
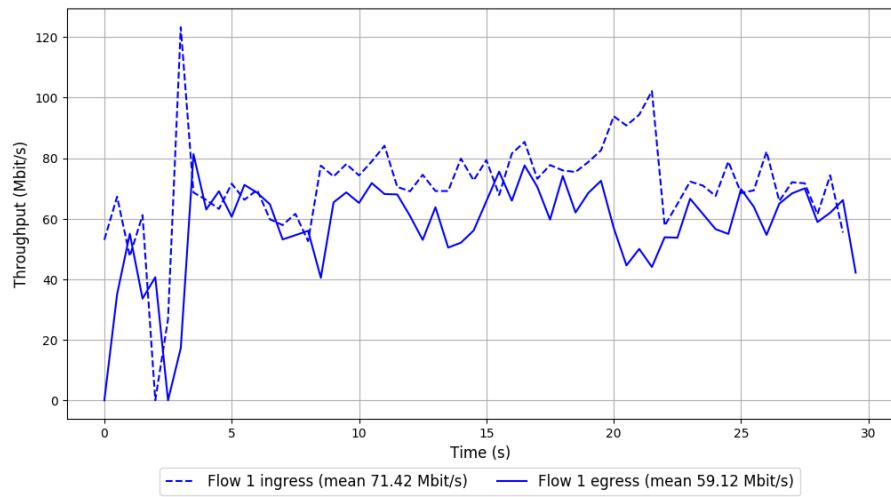


Run 7: Statistics of Verus

```
Start at: 2018-06-29 14:48:36
End at: 2018-06-29 14:49:06
Local clock offset: 1.867 ms
Remote clock offset: -5.288 ms

# Below is generated by plot.py at 2018-06-29 16:18:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 36.219 ms
Loss rate: 17.13%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 36.219 ms
Loss rate: 17.13%
```

Run 7: Report of Verus — Data Link

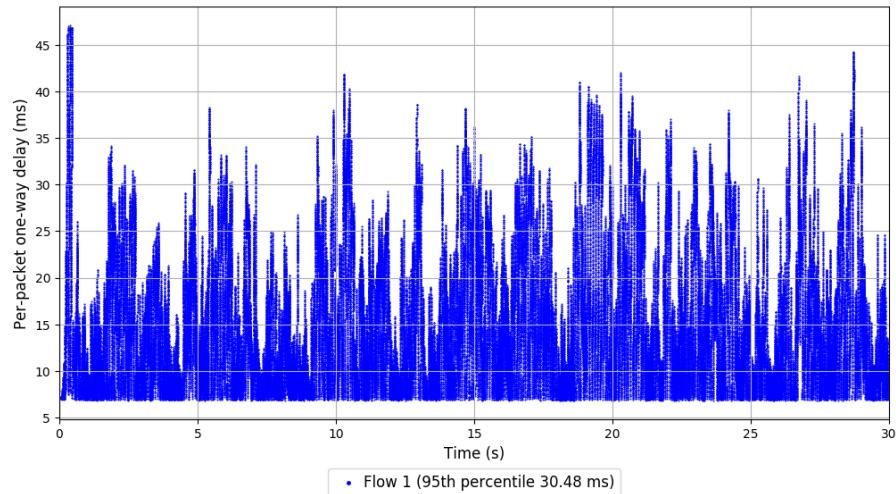
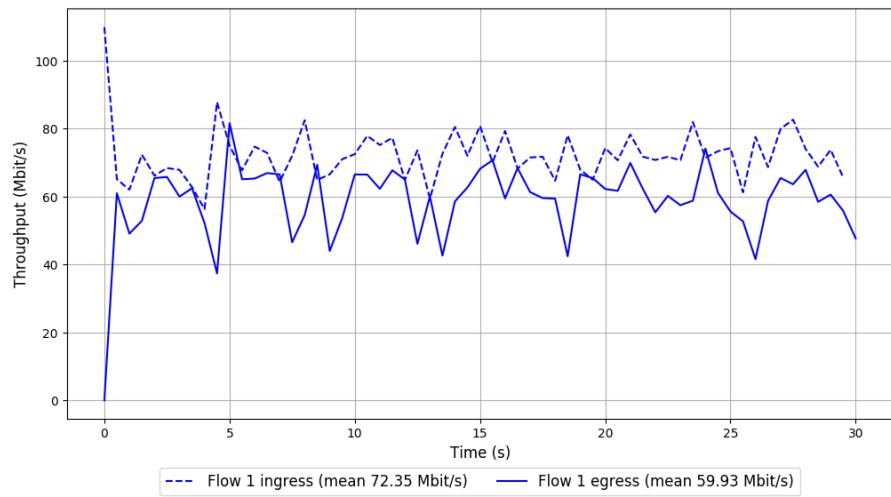


Run 8: Statistics of Verus

```
Start at: 2018-06-29 15:08:08
End at: 2018-06-29 15:08:38
Local clock offset: 1.969 ms
Remote clock offset: -2.221 ms

# Below is generated by plot.py at 2018-06-29 16:18:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 30.475 ms
Loss rate: 17.18%
-- Flow 1:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 30.475 ms
Loss rate: 17.18%
```

Run 8: Report of Verus — Data Link

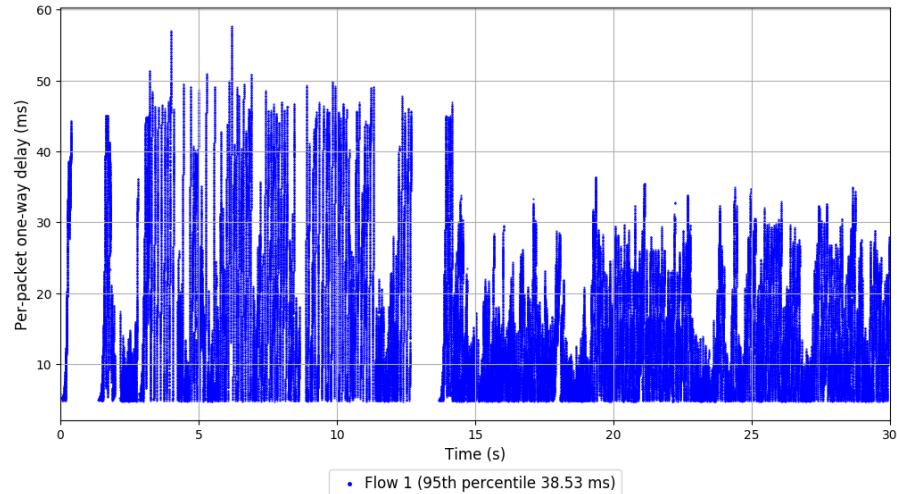
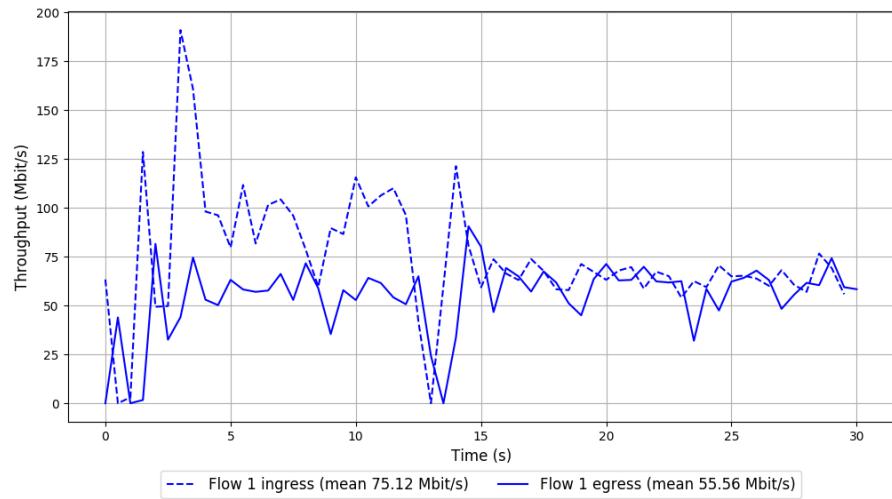


Run 9: Statistics of Verus

```
Start at: 2018-06-29 15:27:45
End at: 2018-06-29 15:28:15
Local clock offset: 2.391 ms
Remote clock offset: -5.75 ms

# Below is generated by plot.py at 2018-06-29 16:18:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 38.531 ms
Loss rate: 25.99%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 38.531 ms
Loss rate: 25.99%
```

## Run 9: Report of Verus — Data Link

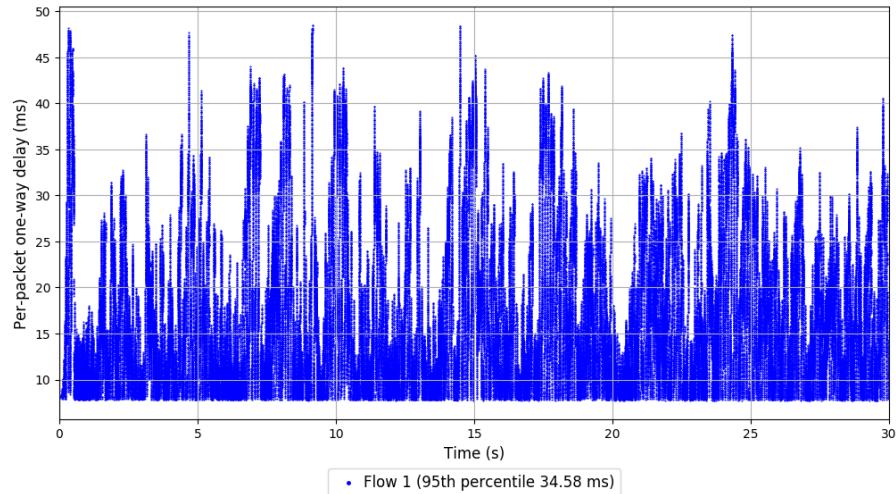
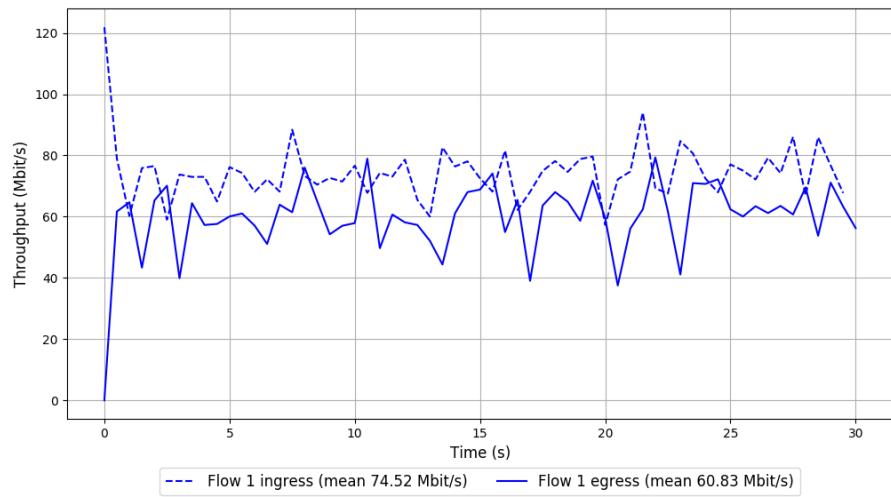


Run 10: Statistics of Verus

```
Start at: 2018-06-29 15:47:18
End at: 2018-06-29 15:47:48
Local clock offset: 1.461 ms
Remote clock offset: -4.281 ms

# Below is generated by plot.py at 2018-06-29 16:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 34.582 ms
Loss rate: 18.38%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 34.582 ms
Loss rate: 18.38%
```

Run 10: Report of Verus — Data Link

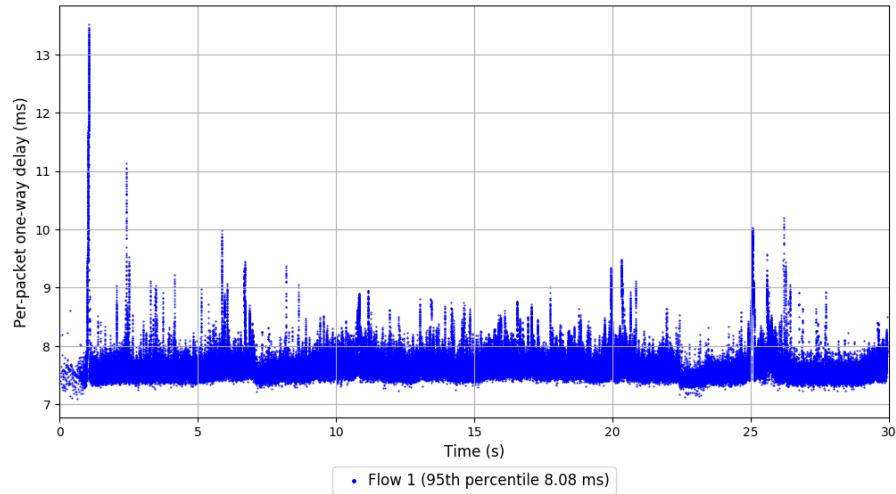
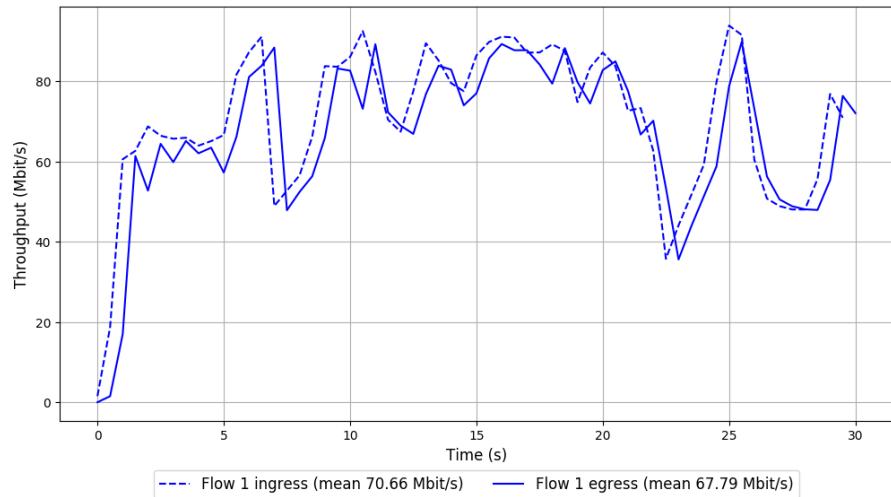


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-06-29 12:57:35
End at: 2018-06-29 12:58:05
Local clock offset: -0.606 ms
Remote clock offset: -8.17 ms

# Below is generated by plot.py at 2018-06-29 16:18:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 8.084 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 8.084 ms
Loss rate: 4.06%
```

Run 1: Report of PCC-Vivace — Data Link

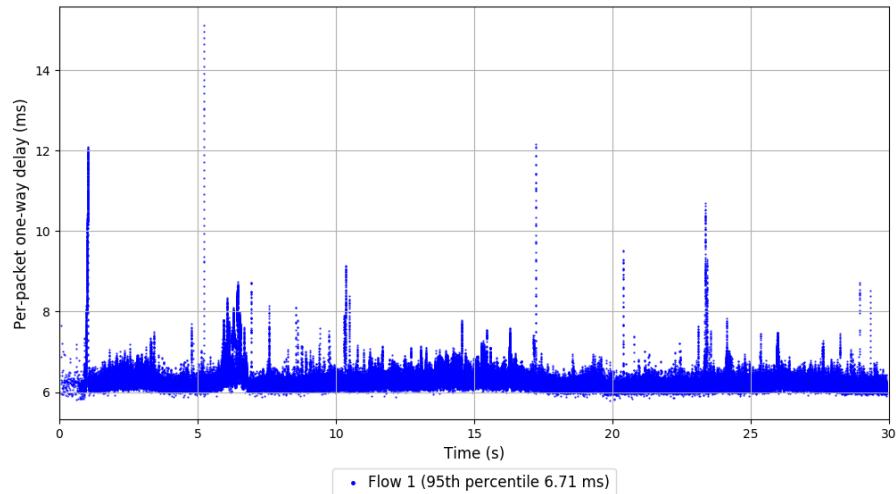
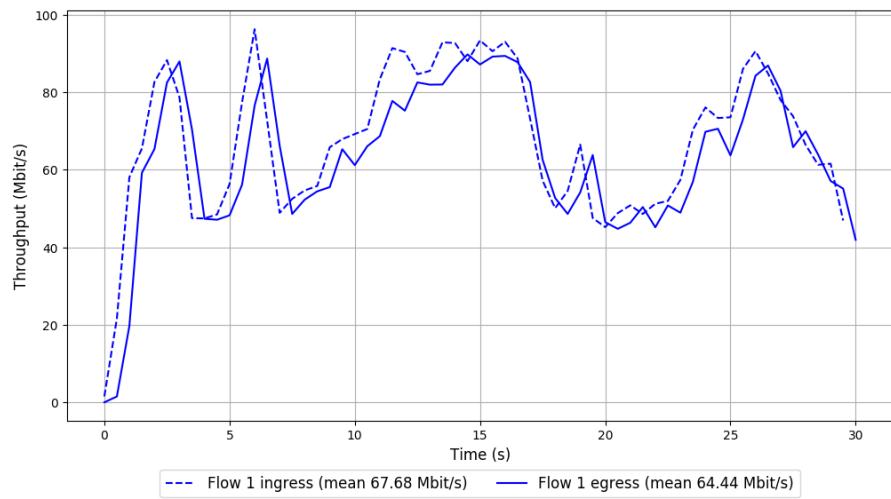


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-29 13:16:49
End at: 2018-06-29 13:17:19
Local clock offset: 1.871 ms
Remote clock offset: -6.161 ms

# Below is generated by plot.py at 2018-06-29 16:18:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 6.708 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 6.708 ms
Loss rate: 4.78%
```

Run 2: Report of PCC-Vivace — Data Link

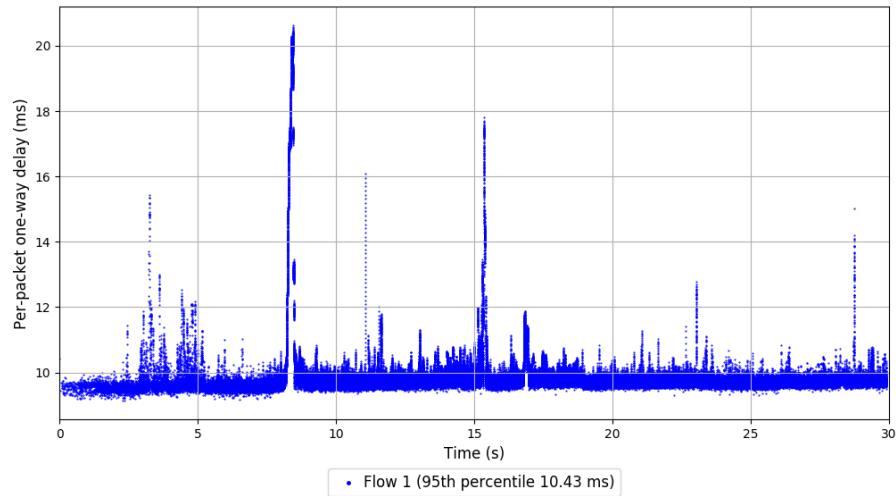
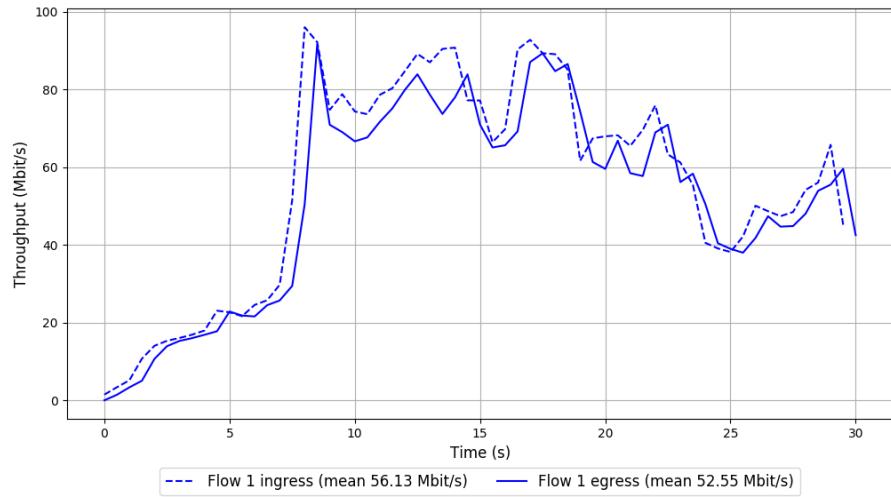


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-29 13:36:10
End at: 2018-06-29 13:36:40
Local clock offset: 2.052 ms
Remote clock offset: -10.626 ms

# Below is generated by plot.py at 2018-06-29 16:18:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 10.430 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 10.430 ms
Loss rate: 6.40%
```

Run 3: Report of PCC-Vivace — Data Link

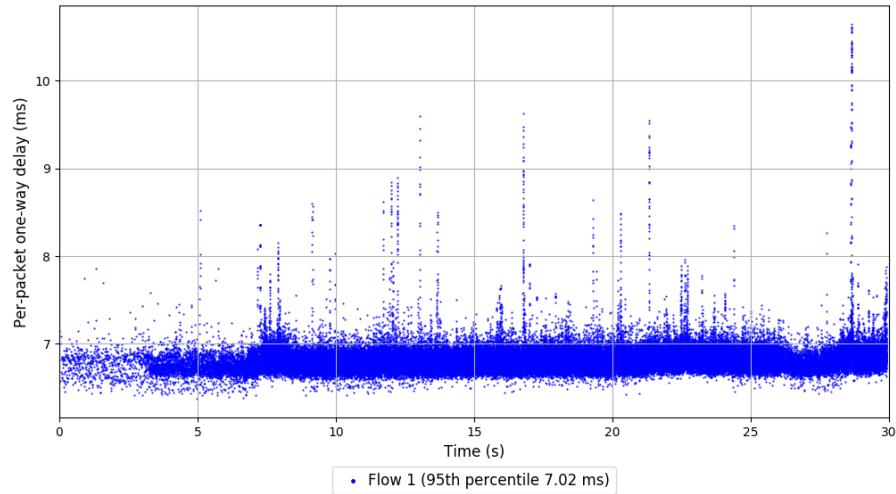
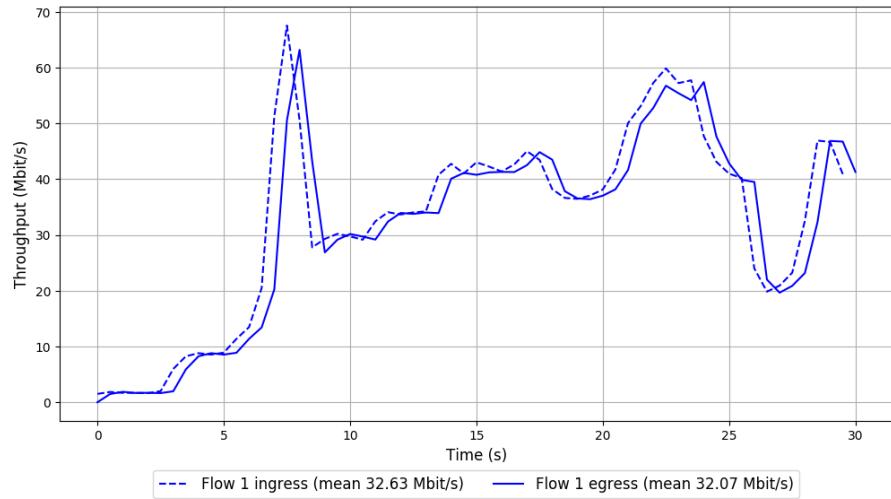


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-29 13:55:20
End at: 2018-06-29 13:55:50
Local clock offset: 2.733 ms
Remote clock offset: -14.27 ms

# Below is generated by plot.py at 2018-06-29 16:18:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 7.022 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 7.022 ms
Loss rate: 1.72%
```

Run 4: Report of PCC-Vivace — Data Link

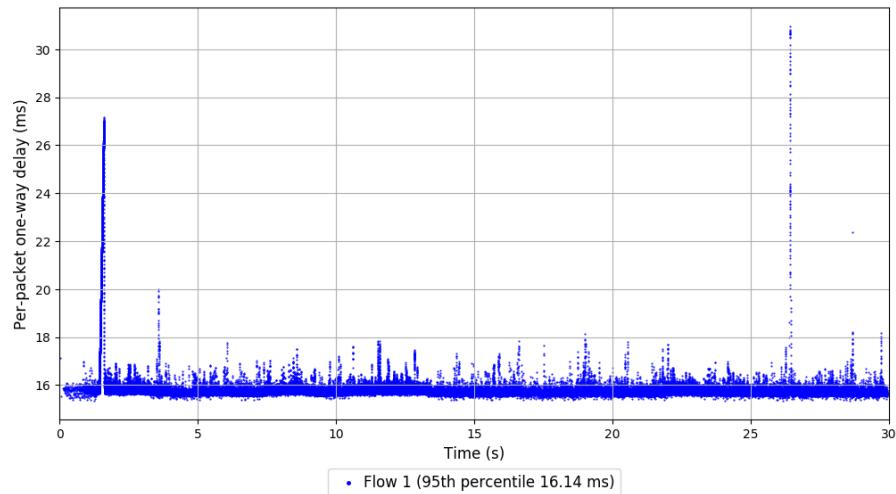
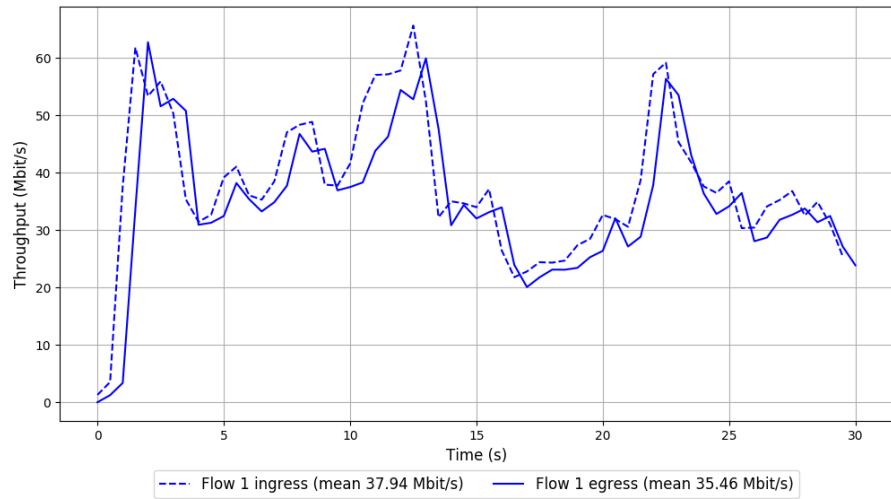


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:14:38
End at: 2018-06-29 14:15:08
Local clock offset: 3.441 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-06-29 16:18:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 16.135 ms
Loss rate: 6.56%
-- Flow 1:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 16.135 ms
Loss rate: 6.56%
```

Run 5: Report of PCC-Vivace — Data Link

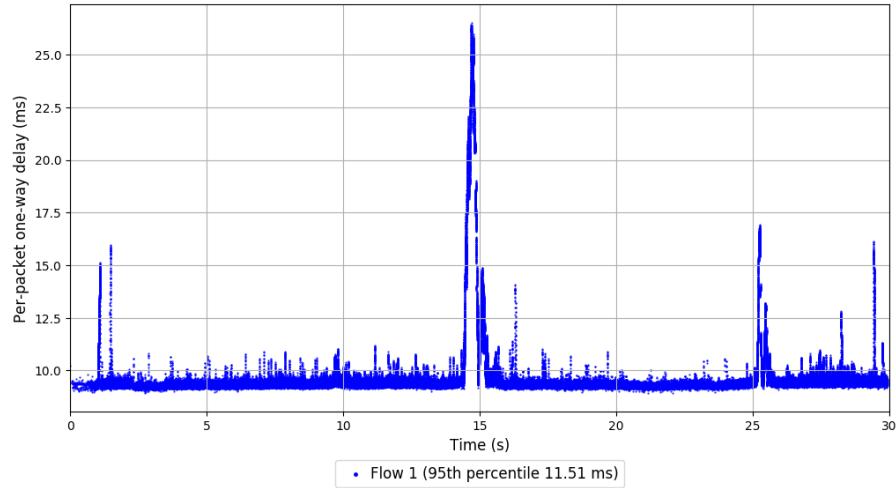
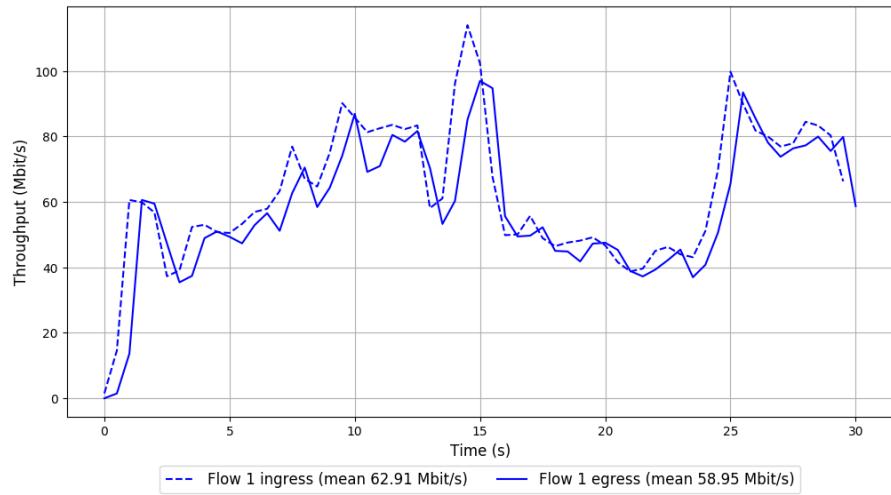


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:33:59
End at: 2018-06-29 14:34:29
Local clock offset: 0.112 ms
Remote clock offset: -11.813 ms

# Below is generated by plot.py at 2018-06-29 16:18:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 11.506 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 11.506 ms
Loss rate: 6.30%
```

Run 6: Report of PCC-Vivace — Data Link

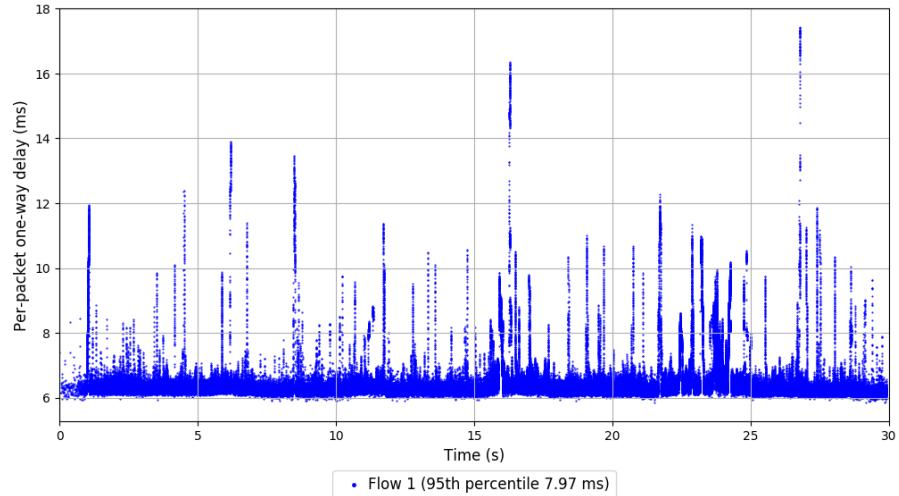
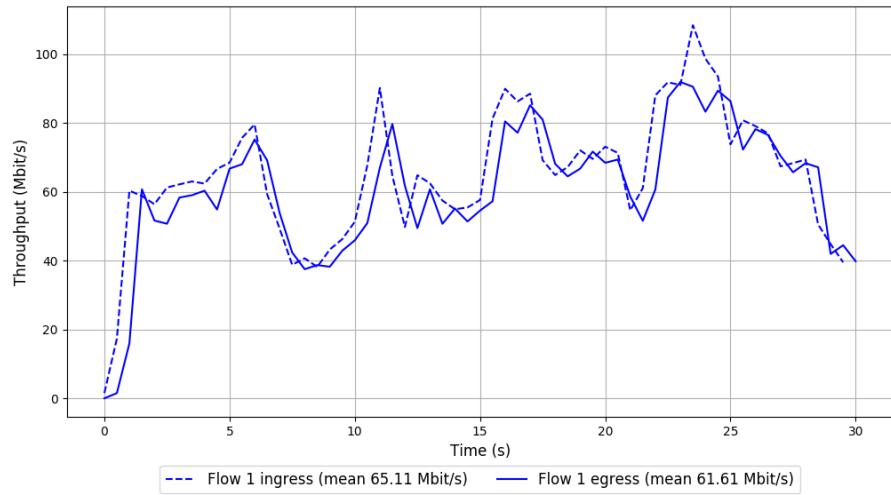


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:53:11
End at: 2018-06-29 14:53:41
Local clock offset: 1.067 ms
Remote clock offset: -4.586 ms

# Below is generated by plot.py at 2018-06-29 16:18:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 7.974 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 7.974 ms
Loss rate: 5.38%
```

Run 7: Report of PCC-Vivace — Data Link

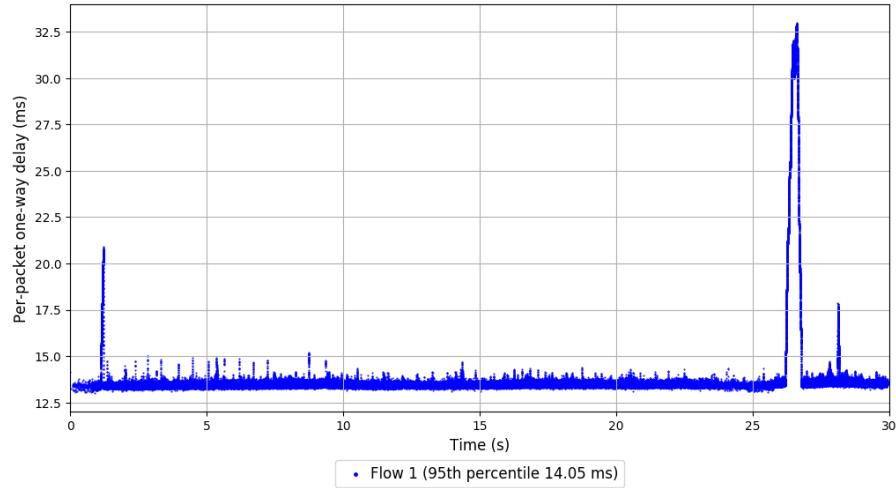
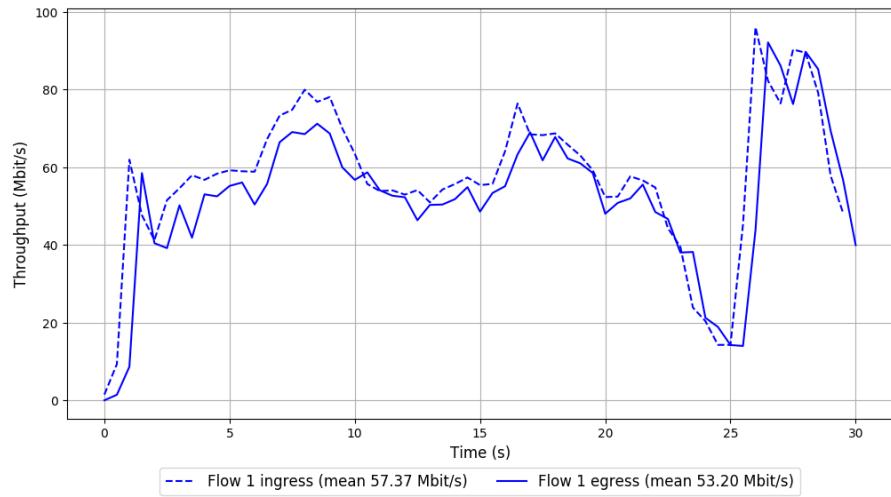


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-29 15:12:53
End at: 2018-06-29 15:13:23
Local clock offset: -3.859 ms
Remote clock offset: -3.162 ms

# Below is generated by plot.py at 2018-06-29 16:18:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 7.27%
```

Run 8: Report of PCC-Vivace — Data Link

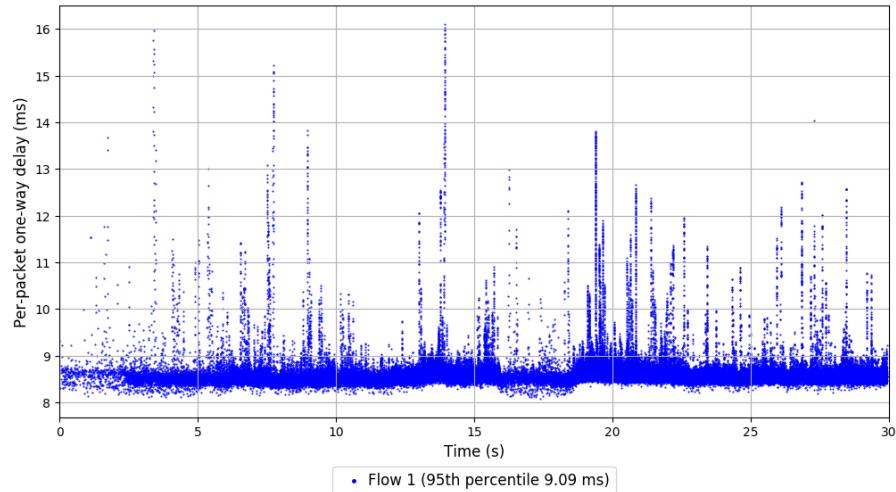
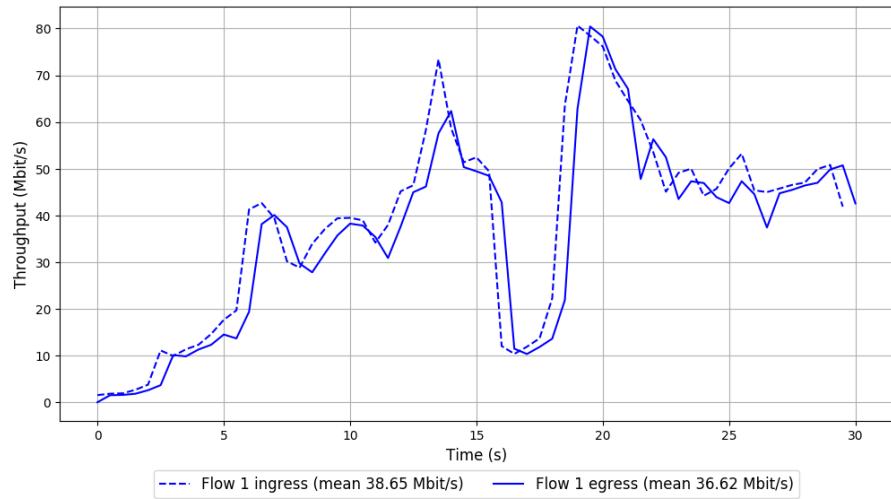


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-29 15:32:31
End at: 2018-06-29 15:33:01
Local clock offset: -0.563 ms
Remote clock offset: -5.168 ms

# Below is generated by plot.py at 2018-06-29 16:18:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 9.085 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 9.085 ms
Loss rate: 5.27%
```

Run 9: Report of PCC-Vivace — Data Link

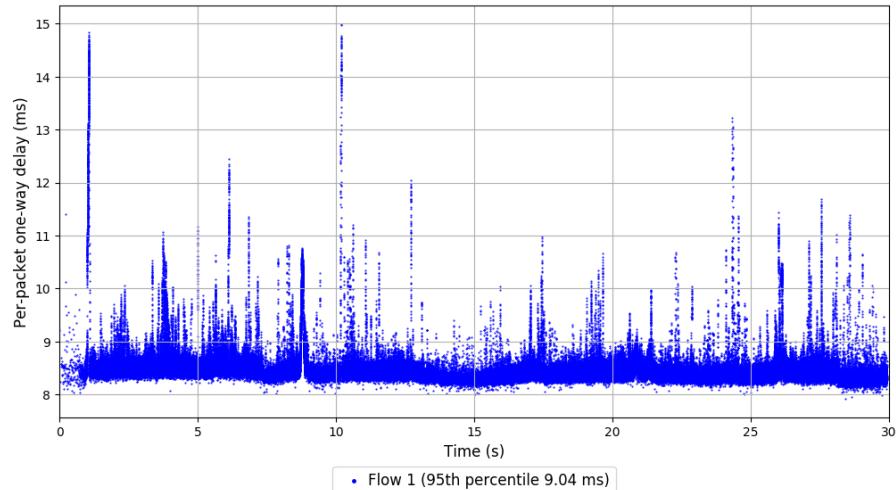
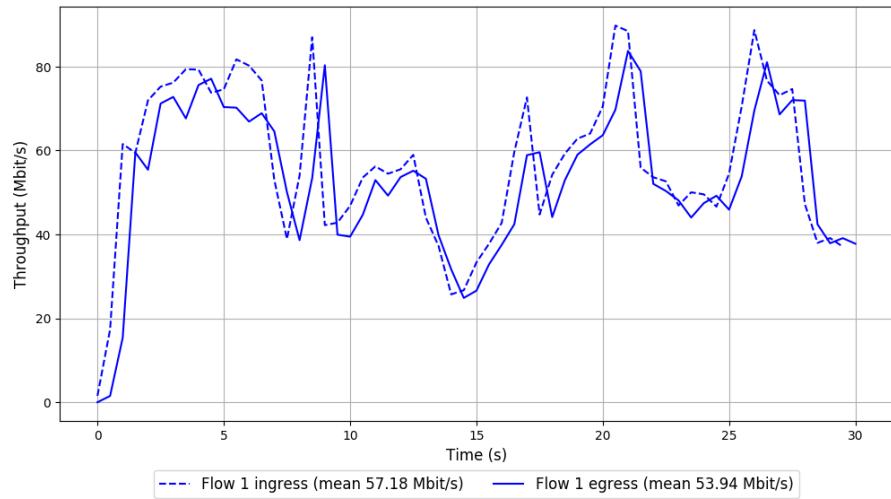


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-29 15:51:55
End at: 2018-06-29 15:52:25
Local clock offset: -0.879 ms
Remote clock offset: -3.711 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.94 Mbit/s
95th percentile per-packet one-way delay: 9.044 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 53.94 Mbit/s
95th percentile per-packet one-way delay: 9.044 ms
Loss rate: 5.67%
```

Run 10: Report of PCC-Vivace — Data Link

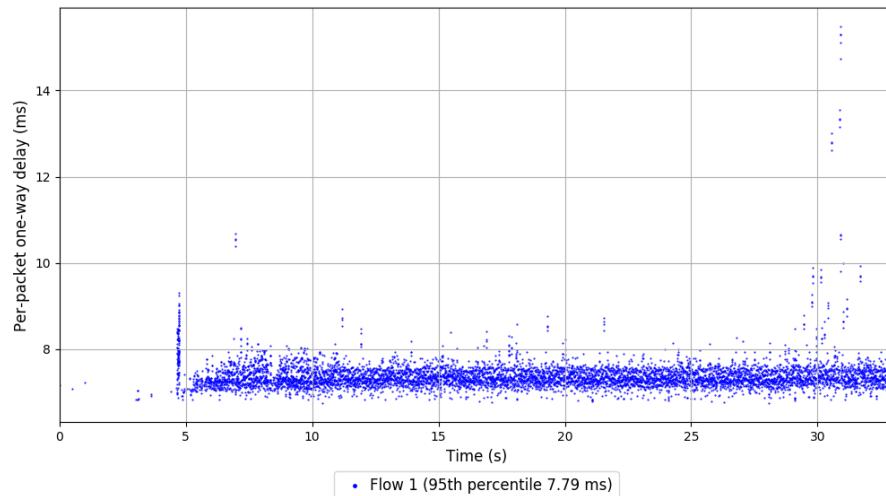
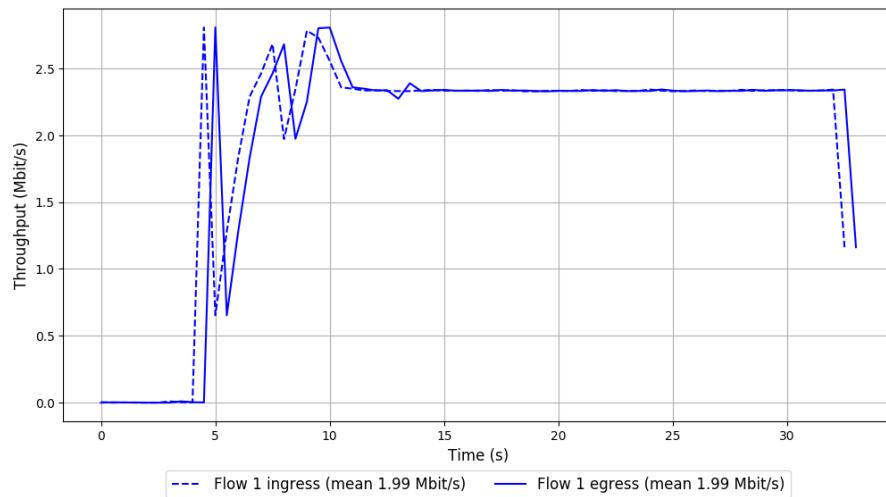


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-29 12:58:44
End at: 2018-06-29 12:59:14
Local clock offset: 0.585 ms
Remote clock offset: -7.226 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 7.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 7.792 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

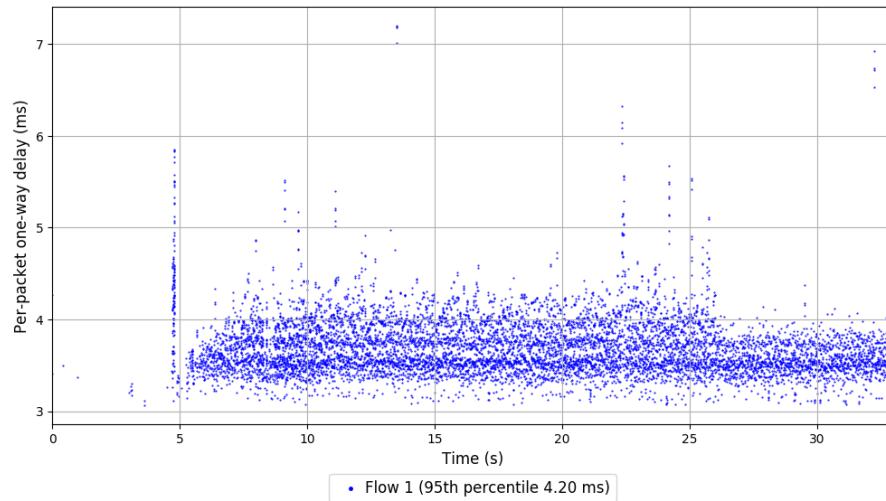
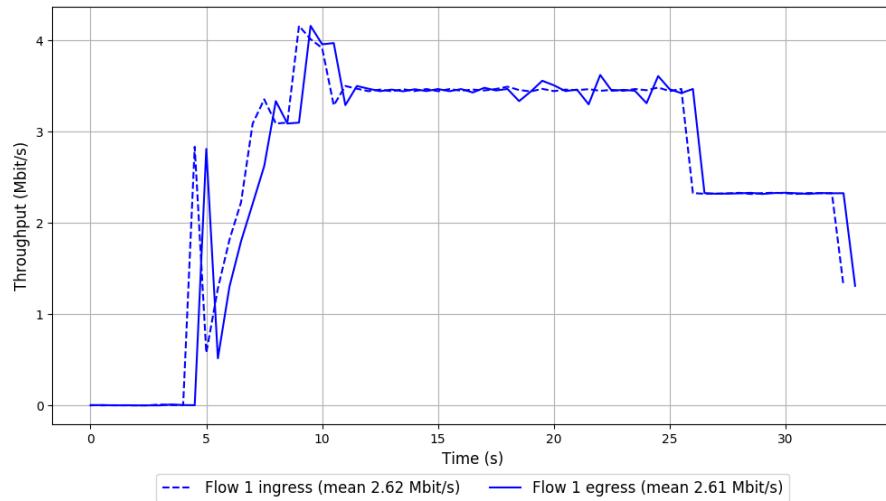


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-29 13:18:00
End at: 2018-06-29 13:18:30
Local clock offset: 3.783 ms
Remote clock offset: -7.049 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 4.203 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 4.203 ms
Loss rate: 0.37%
```

Run 2: Report of WebRTC media — Data Link

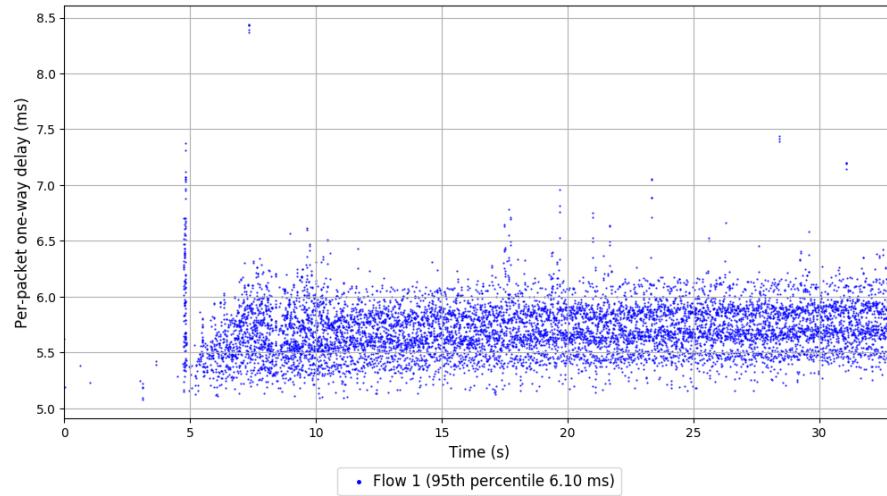
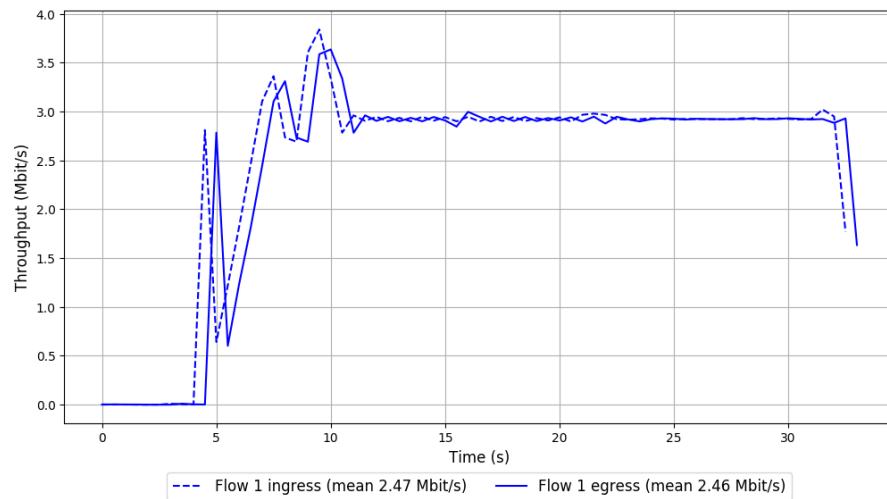


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-29 13:37:19
End at: 2018-06-29 13:37:49
Local clock offset: 3.163 ms
Remote clock offset: -13.929 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 6.098 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 6.098 ms
Loss rate: 0.50%
```

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

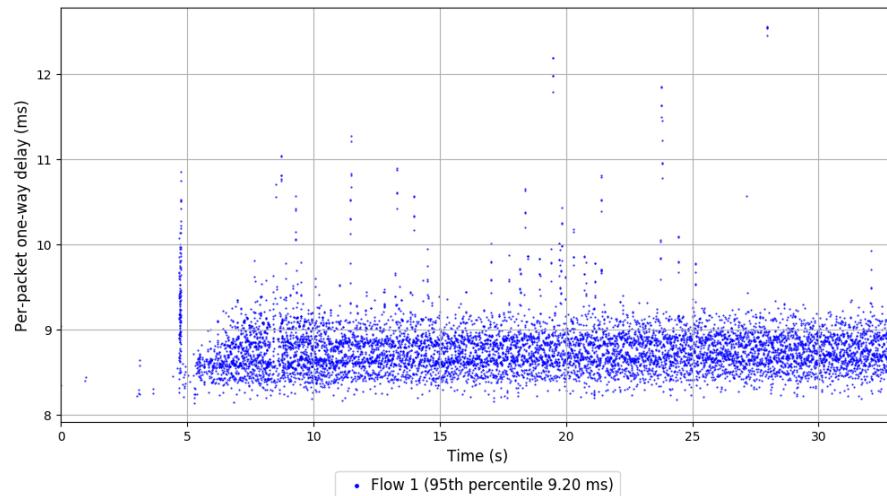
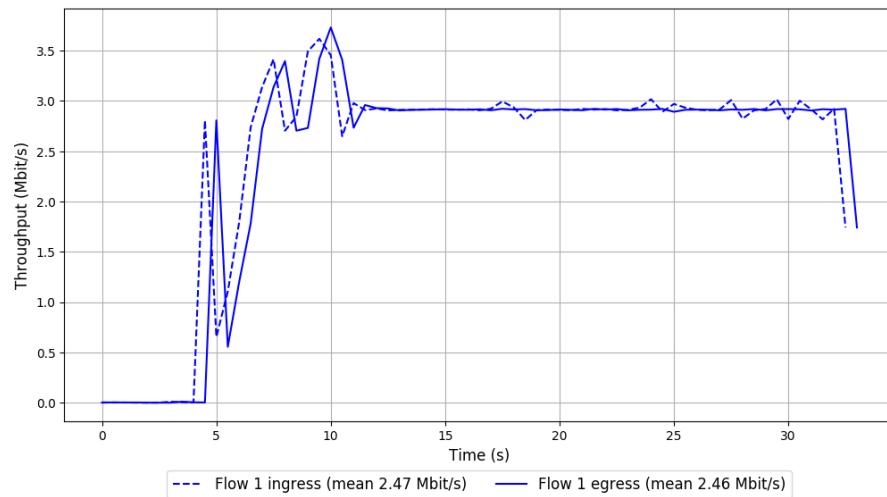


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-29 13:56:27
End at: 2018-06-29 13:56:57
Local clock offset: -0.624 ms
Remote clock offset: -14.316 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 9.198 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 9.198 ms
Loss rate: 0.17%
```

Run 4: Report of WebRTC media — Data Link

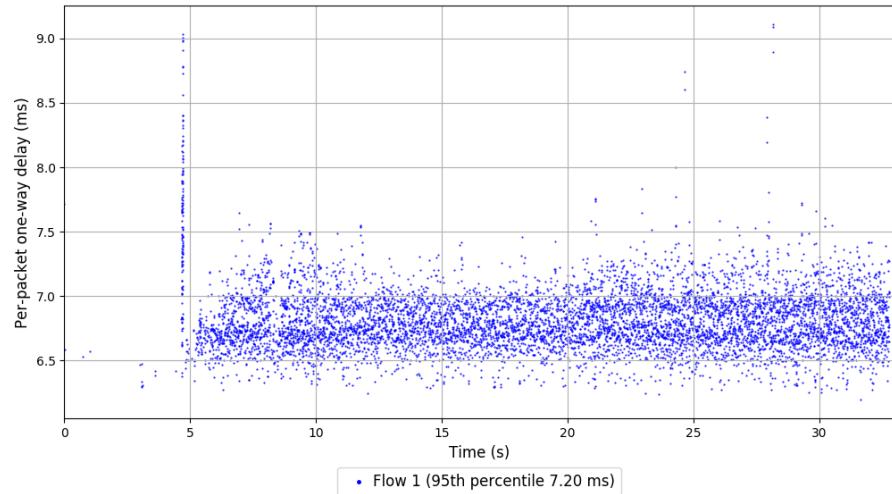
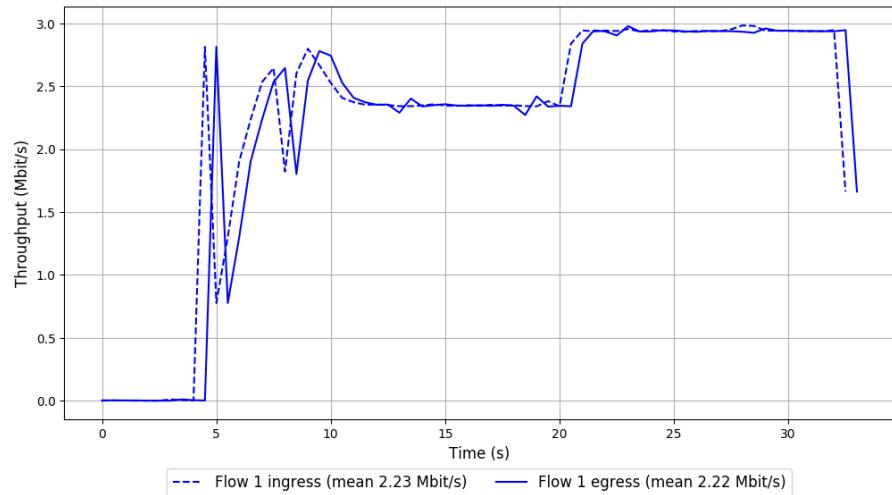


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-29 14:15:47
End at: 2018-06-29 14:16:17
Local clock offset: 3.13 ms
Remote clock offset: -11.396 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 7.203 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 7.203 ms
Loss rate: 0.12%
```

Run 5: Report of WebRTC media — Data Link

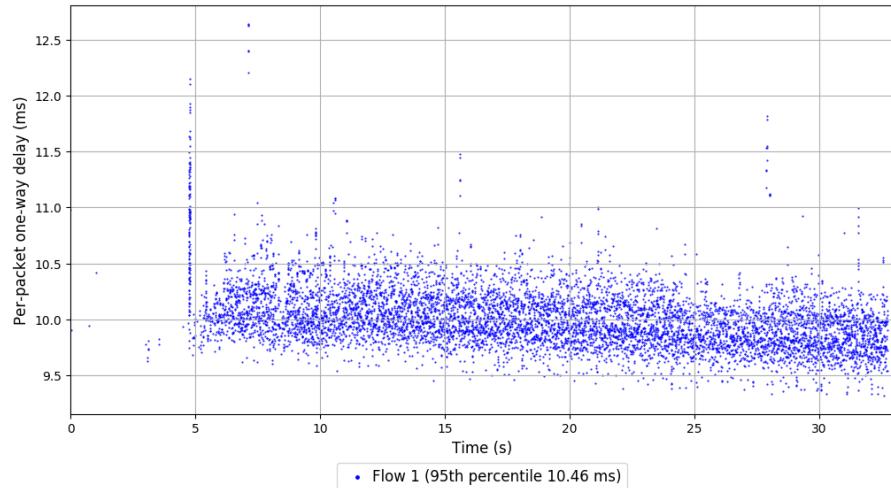
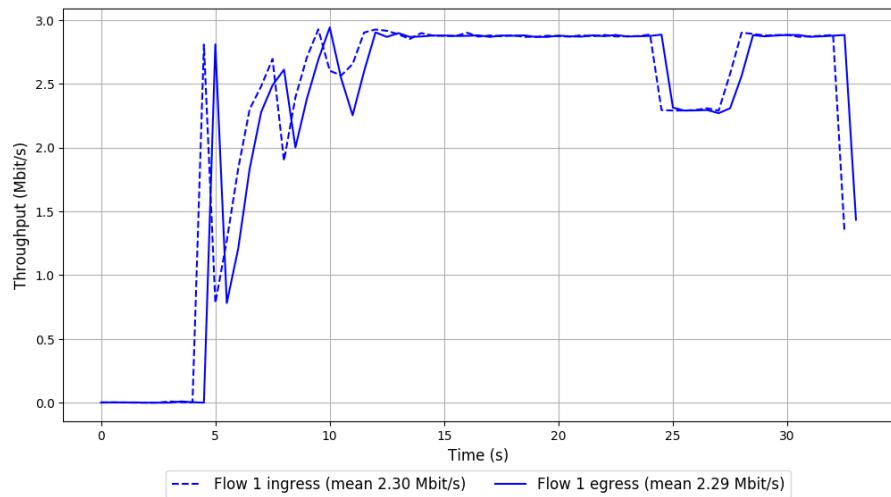


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-29 14:35:07
End at: 2018-06-29 14:35:37
Local clock offset: -1.137 ms
Remote clock offset: -11.879 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 10.462 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 10.462 ms
Loss rate: 0.38%
```

Run 6: Report of WebRTC media — Data Link

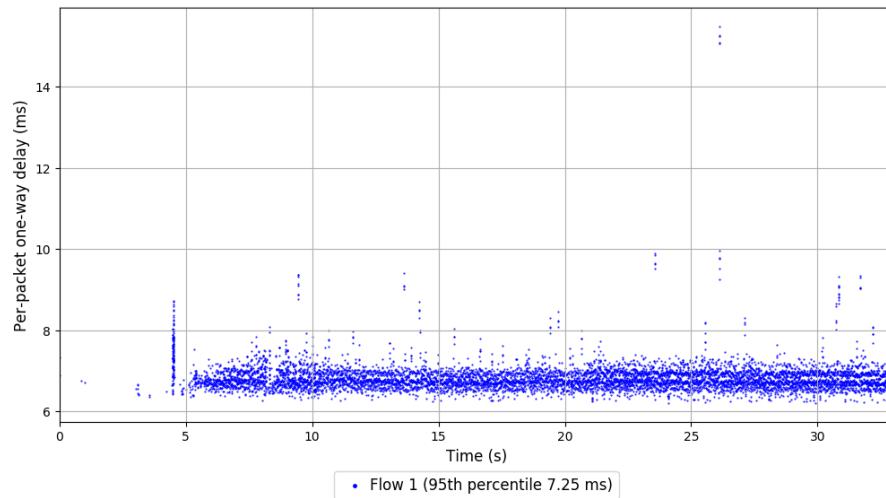
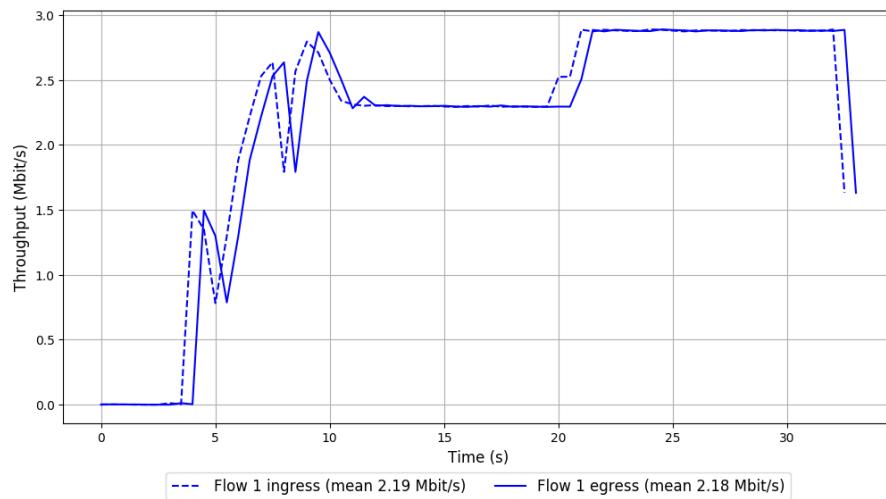


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-29 14:54:18
End at: 2018-06-29 14:54:48
Local clock offset: 0.567 ms
Remote clock offset: -4.378 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 7.248 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 7.248 ms
Loss rate: 0.21%
```

Run 7: Report of WebRTC media — Data Link

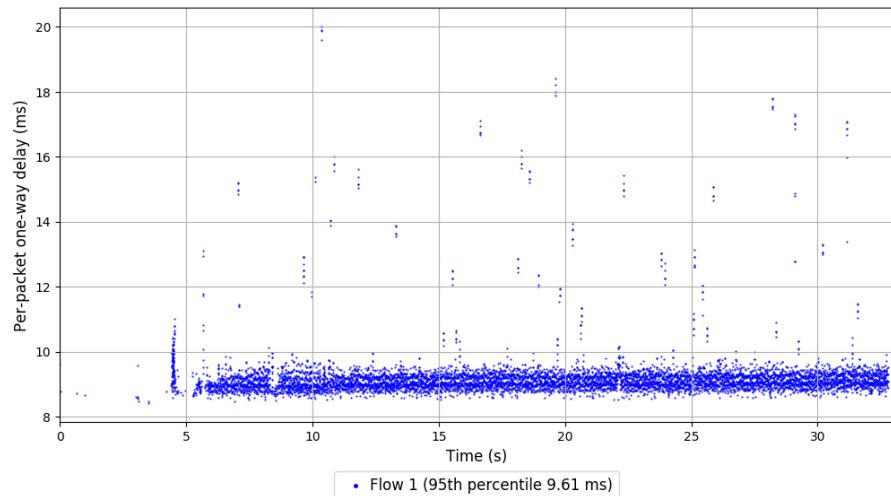
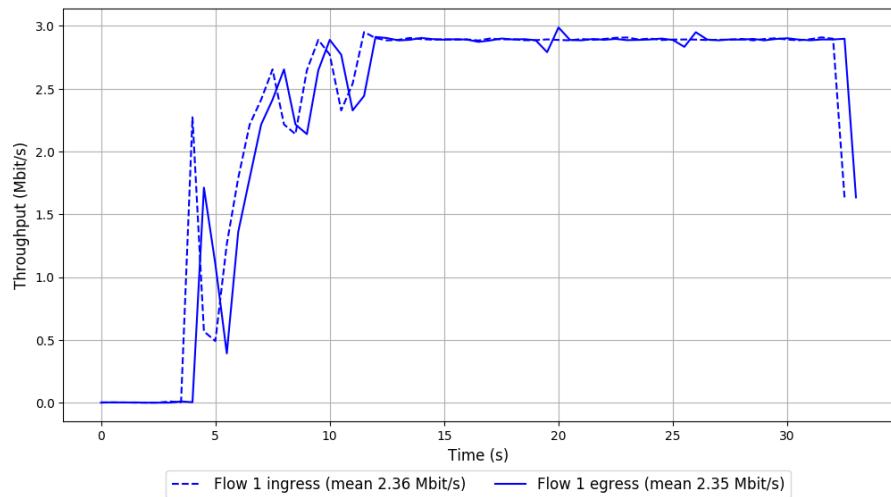


```
Run 8: Statistics of WebRTC media

Start at: 2018-06-29 15:14:02
End at: 2018-06-29 15:14:32
Local clock offset: -2.347 ms
Remote clock offset: -4.824 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 0.15%
```

Run 8: Report of WebRTC media — Data Link

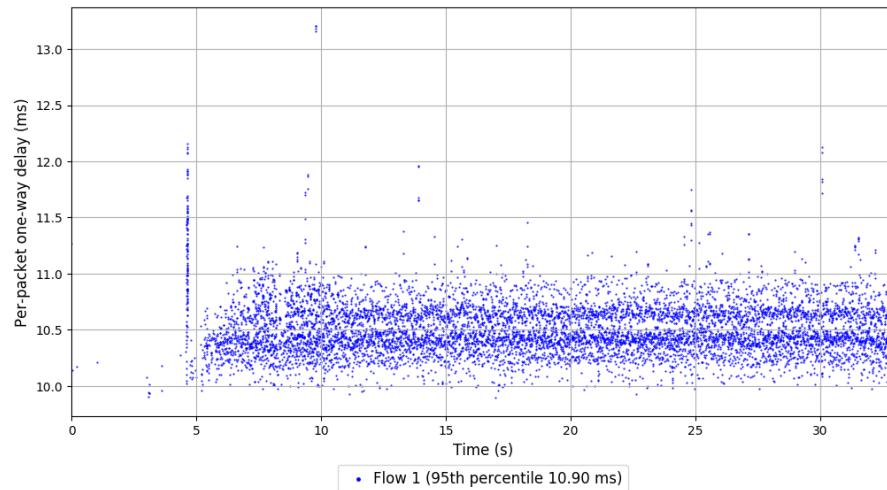
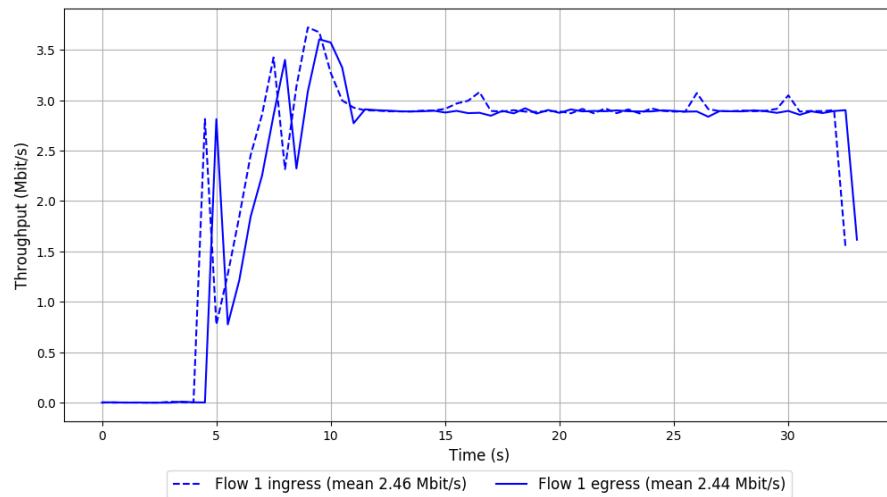


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-29 15:33:40
End at: 2018-06-29 15:34:10
Local clock offset: -1.217 ms
Remote clock offset: -5.64 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 10.901 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 10.901 ms
Loss rate: 1.03%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-06-29 15:53:04
End at: 2018-06-29 15:53:34
Local clock offset: -1.783 ms
Remote clock offset: -3.495 ms

# Below is generated by plot.py at 2018-06-29 16:19:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 10.020 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 10.020 ms
Loss rate: 0.38%
```

Run 10: Report of WebRTC media — Data Link

