

## Pantheon Report

Generated at 2018-06-29 18:46:17 (UTC).

Data path: AWS California 1 Ethernet (*local*) → Stanford Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

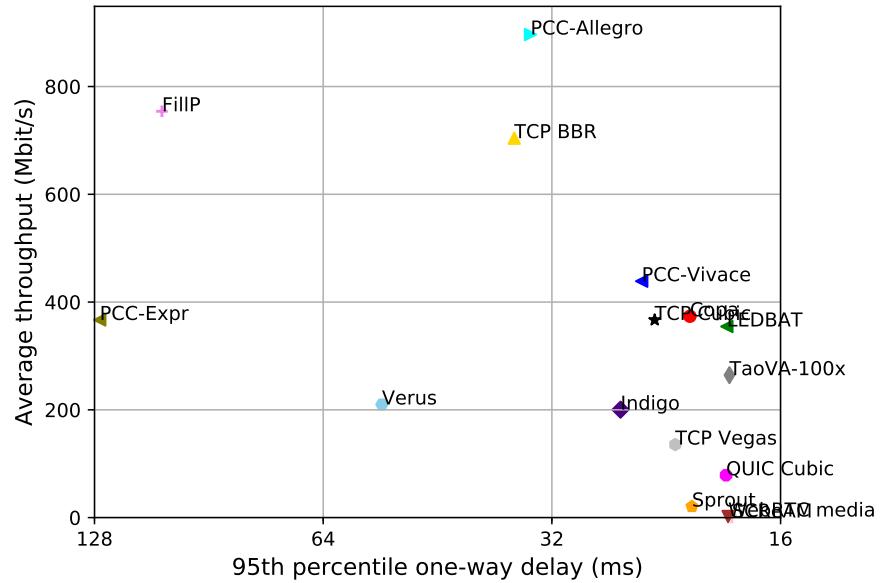
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

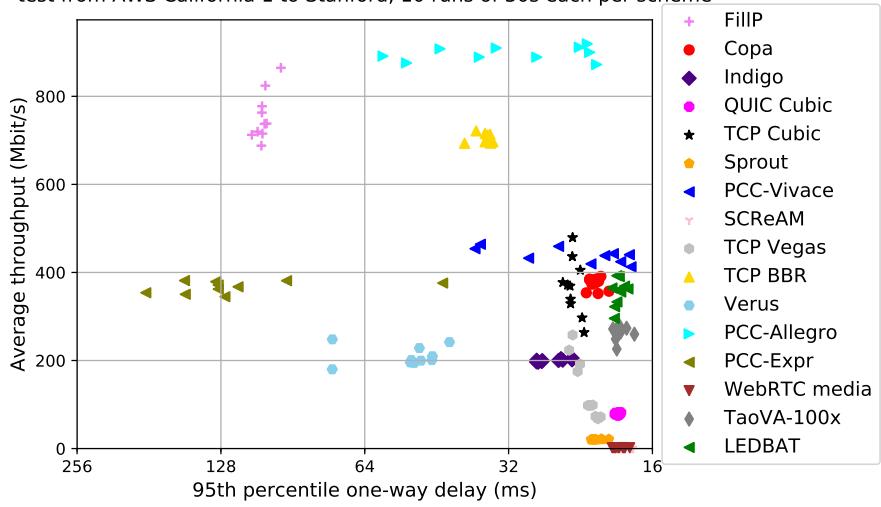
Git summary:

```
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 California 1 to Stanford, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



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



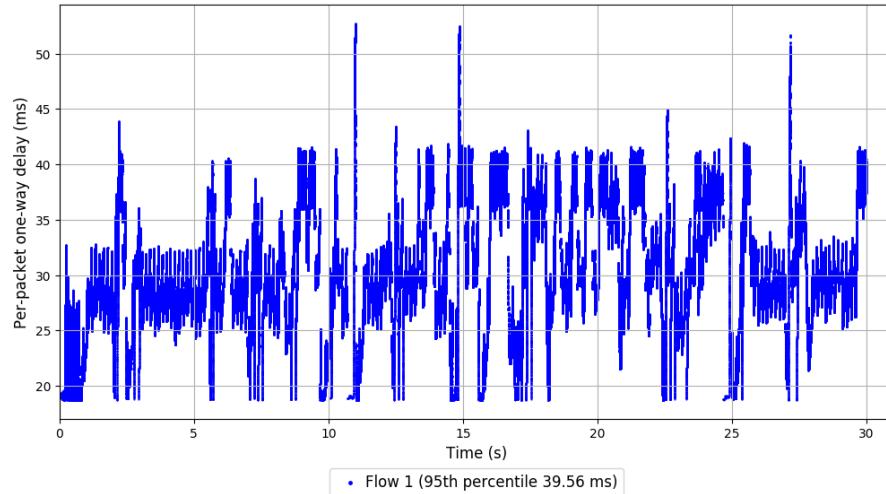
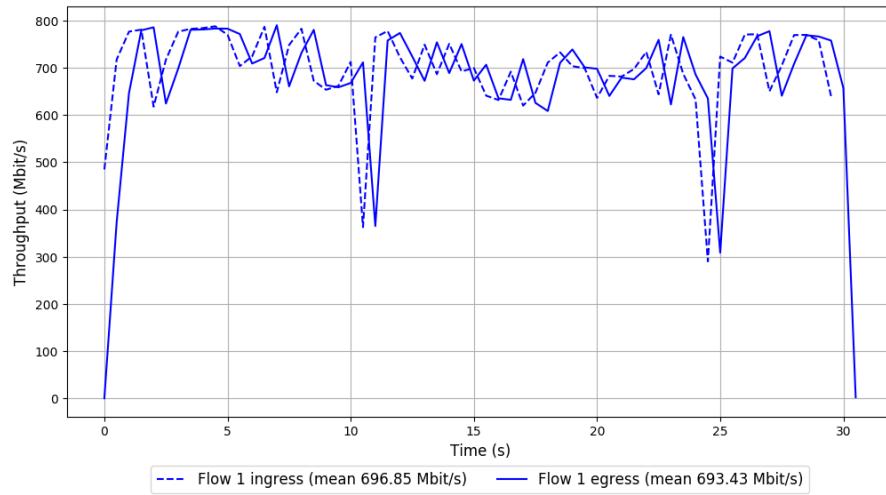
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	704.18	35.87	0.36
Copa	10	373.69	21.06	0.00
TCP Cubic	10	366.81	23.44	0.05
FillP	10	754.06	104.33	4.27
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	200.28	25.99	0.00
LEDBAT	10	354.69	18.83	0.00
PCC-Allegro	10	896.51	34.14	0.37
PCC-Expr	10	366.79	125.99	0.94
QUIC Cubic	10	78.67	18.87	0.00
SCReAM	10	0.22	18.54	0.00
Sprout	10	20.59	20.93	0.01
TaoVA-100x	10	264.34	18.68	0.00
TCP Vegas	10	135.54	22.02	0.19
Verus	10	209.98	53.56	20.99
PCC-Vivace	10	438.74	24.37	0.01
WebRTC media	10	2.00	18.76	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-29 13:03:07
End at: 2018-06-29 13:03:37
Local clock offset: 4.221 ms
Remote clock offset: 3.588 ms

# Below is generated by plot.py at 2018-06-29 17:19:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 693.43 Mbit/s
95th percentile per-packet one-way delay: 39.561 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 693.43 Mbit/s
95th percentile per-packet one-way delay: 39.561 ms
Loss rate: 0.49%
```

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

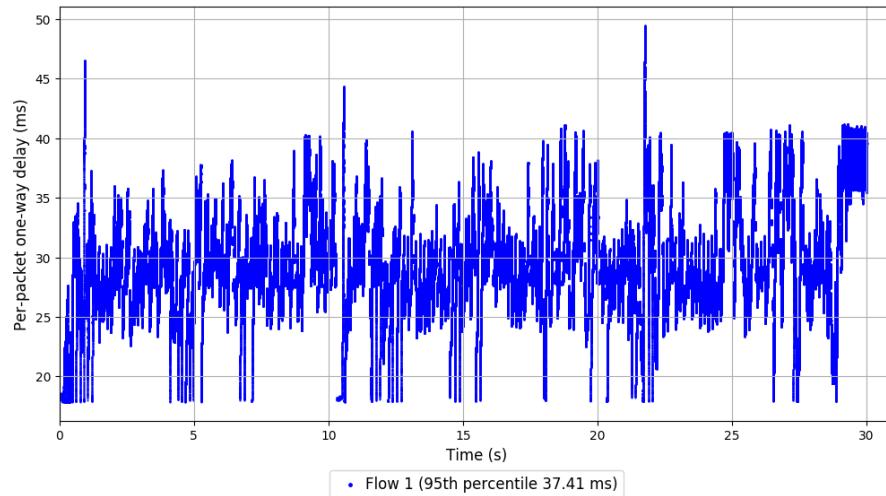
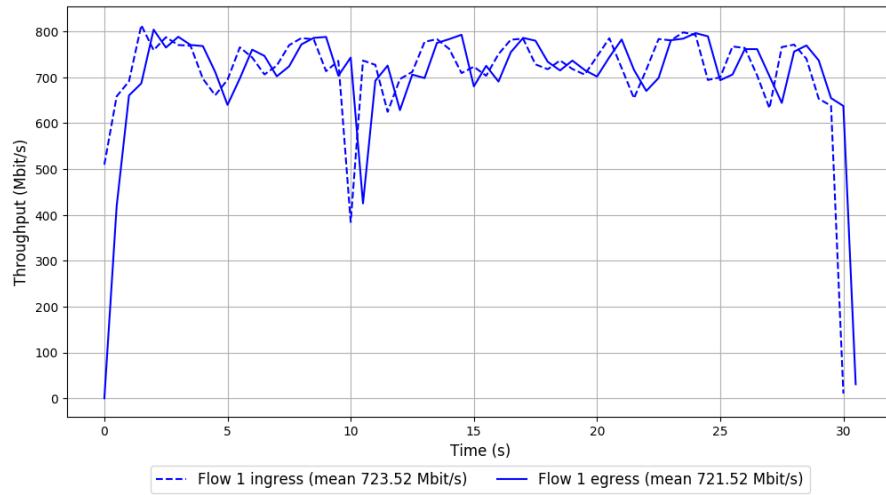


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-29 13:28:18
End at: 2018-06-29 13:28:48
Local clock offset: 1.525 ms
Remote clock offset: -0.935 ms

# Below is generated by plot.py at 2018-06-29 17:20:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 721.52 Mbit/s
95th percentile per-packet one-way delay: 37.415 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 721.52 Mbit/s
95th percentile per-packet one-way delay: 37.415 ms
Loss rate: 0.28%
```

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

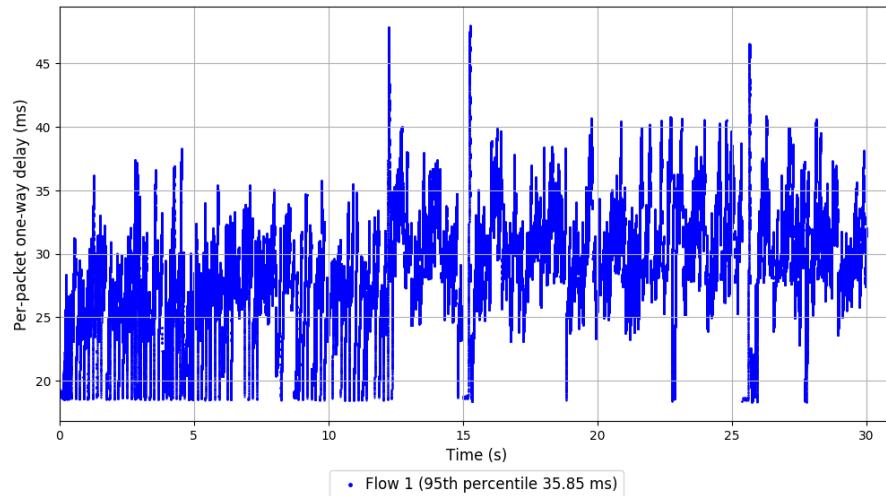
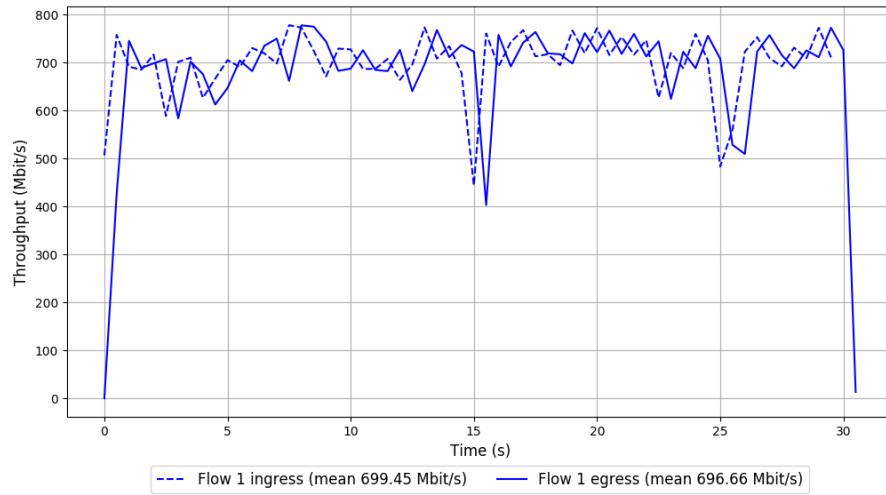


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-29 13:53:26
End at: 2018-06-29 13:53:56
Local clock offset: -1.629 ms
Remote clock offset: -3.942 ms

# Below is generated by plot.py at 2018-06-29 17:20:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 696.66 Mbit/s
95th percentile per-packet one-way delay: 35.849 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 696.66 Mbit/s
95th percentile per-packet one-way delay: 35.849 ms
Loss rate: 0.40%
```

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

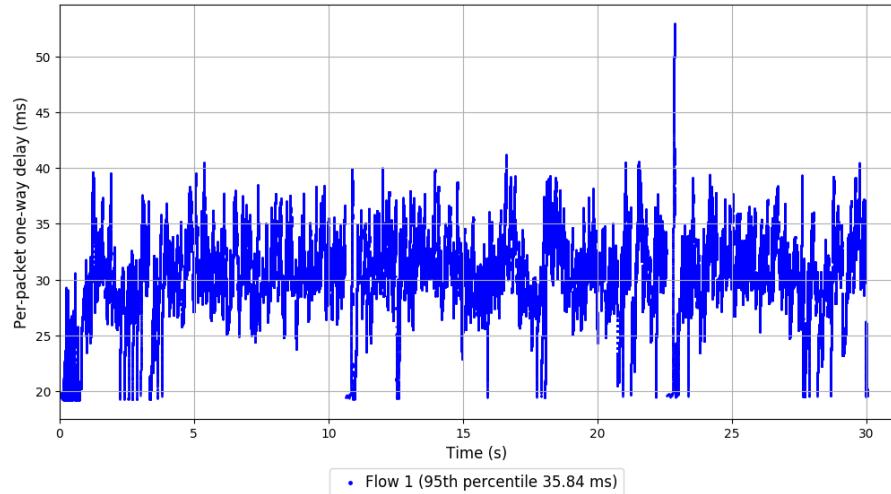
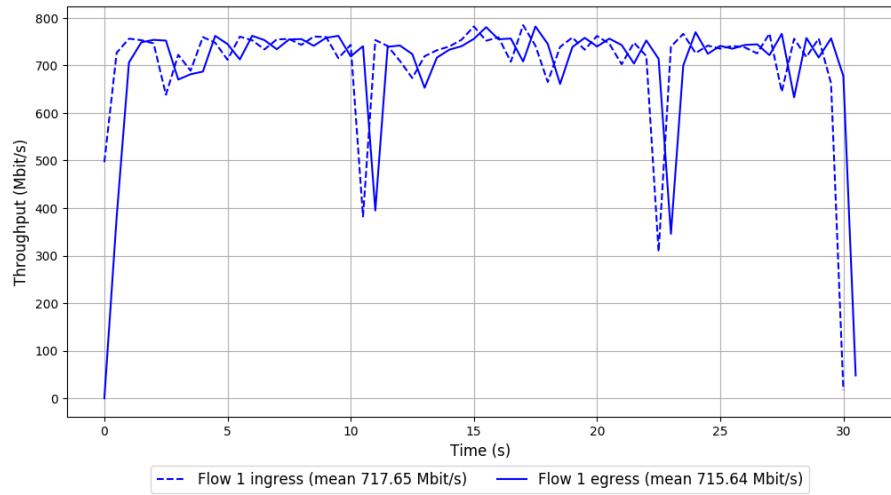


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-29 14:18:39
End at: 2018-06-29 14:19:09
Local clock offset: -1.779 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-06-29 17:20:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 715.64 Mbit/s
95th percentile per-packet one-way delay: 35.839 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 715.64 Mbit/s
95th percentile per-packet one-way delay: 35.839 ms
Loss rate: 0.28%
```

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

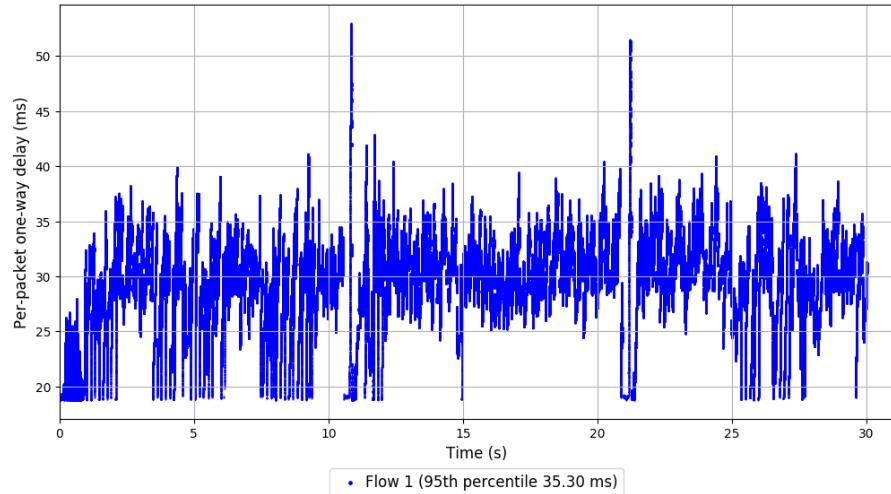
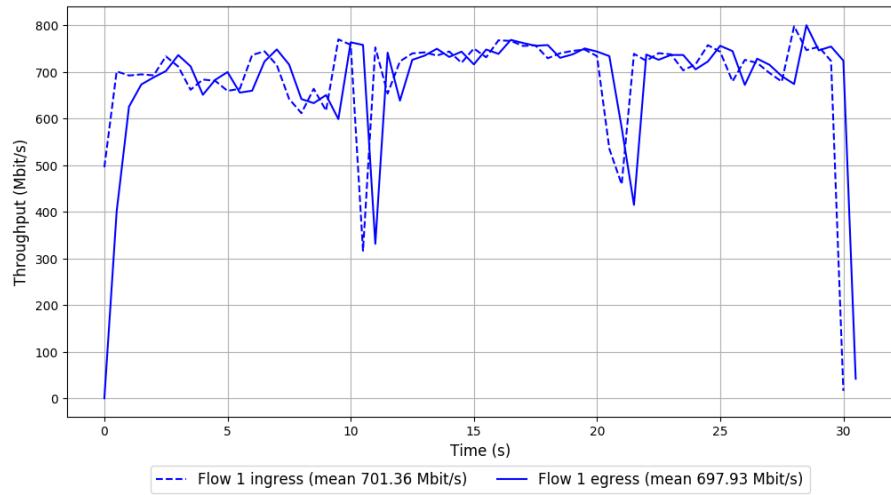


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-29 14:43:33
End at: 2018-06-29 14:44:03
Local clock offset: 4.377 ms
Remote clock offset: 3.274 ms

# Below is generated by plot.py at 2018-06-29 17:20:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 697.93 Mbit/s
95th percentile per-packet one-way delay: 35.296 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 697.93 Mbit/s
95th percentile per-packet one-way delay: 35.296 ms
Loss rate: 0.49%
```

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

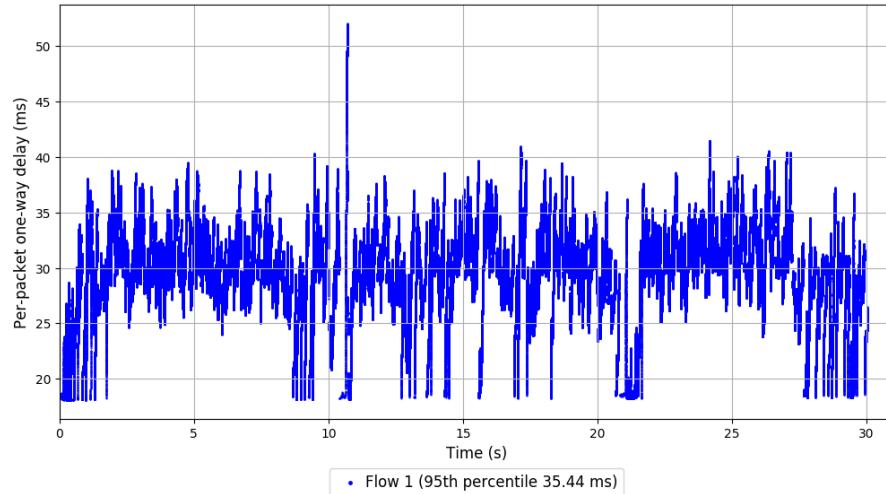
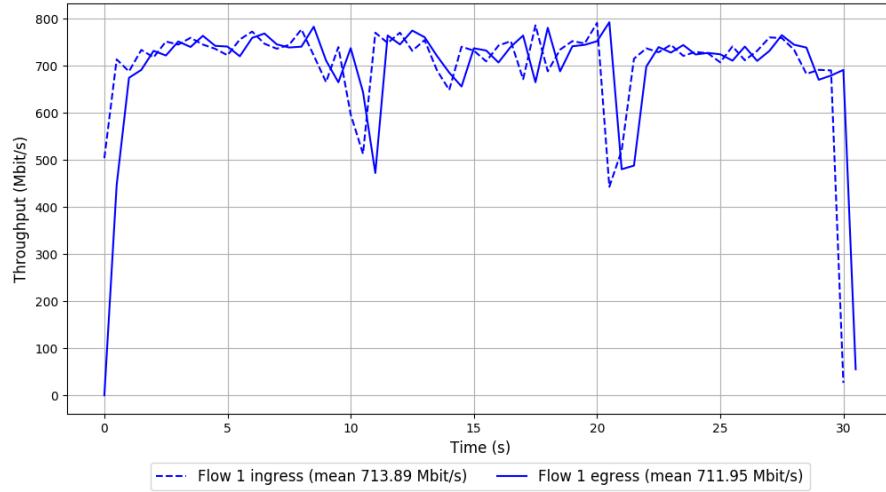


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-29 15:08:49
End at: 2018-06-29 15:09:20
Local clock offset: 4.016 ms
Remote clock offset: -0.863 ms

# Below is generated by plot.py at 2018-06-29 17:20:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 711.95 Mbit/s
95th percentile per-packet one-way delay: 35.435 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 711.95 Mbit/s
95th percentile per-packet one-way delay: 35.435 ms
Loss rate: 0.27%
```

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

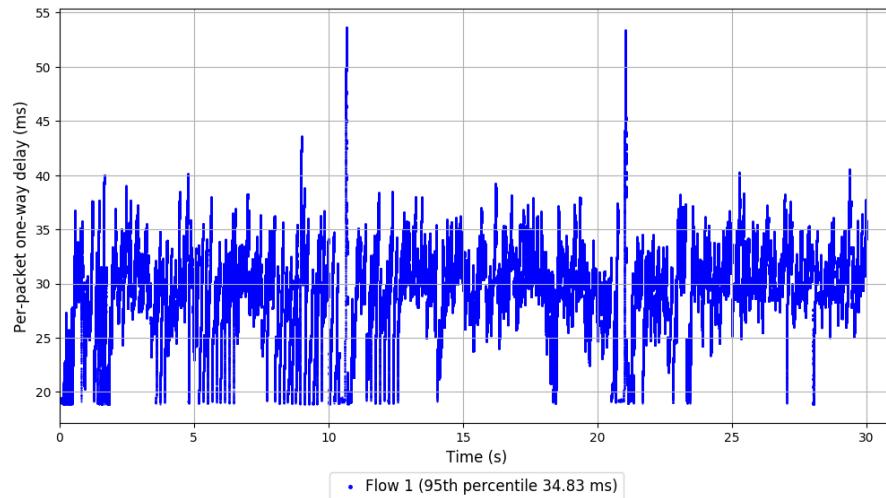
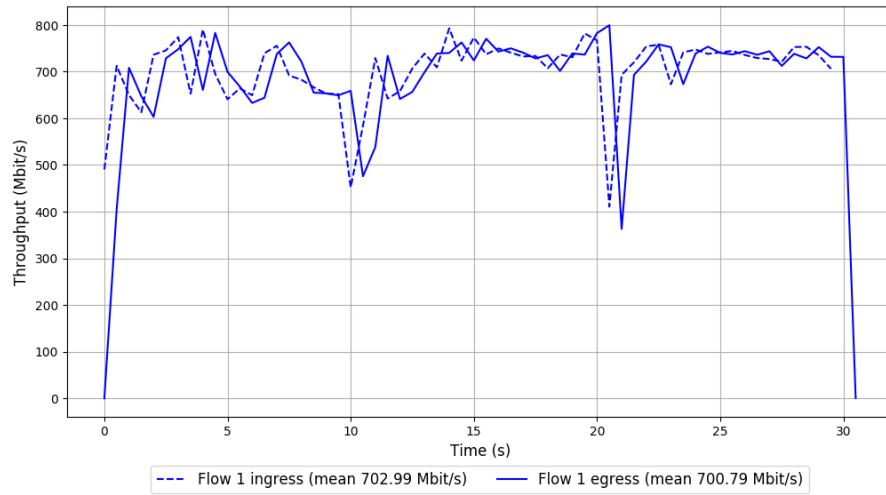


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-29 15:33:52
End at: 2018-06-29 15:34:22
Local clock offset: 0.378 ms
Remote clock offset: -6.34 ms

# Below is generated by plot.py at 2018-06-29 17:20:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 700.79 Mbit/s
95th percentile per-packet one-way delay: 34.825 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 700.79 Mbit/s
95th percentile per-packet one-way delay: 34.825 ms
Loss rate: 0.32%
```

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

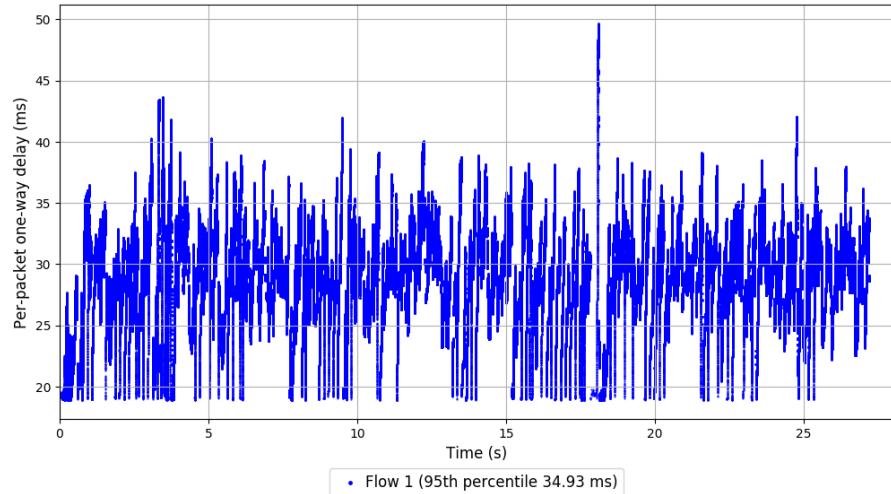
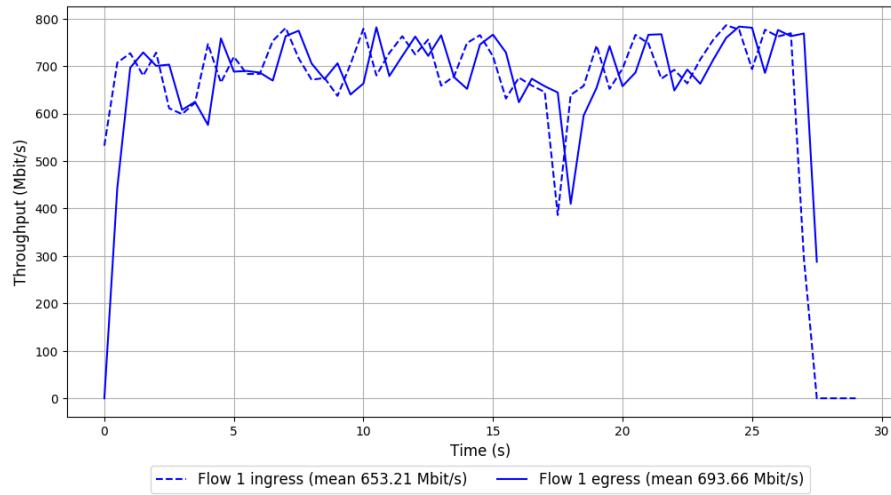


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-29 15:59:02
End at: 2018-06-29 15:59:32
Local clock offset: -0.074 ms
Remote clock offset: -0.608 ms

# Below is generated by plot.py at 2018-06-29 17:20:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 693.66 Mbit/s
95th percentile per-packet one-way delay: 34.928 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 693.66 Mbit/s
95th percentile per-packet one-way delay: 34.928 ms
Loss rate: 0.54%
```

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

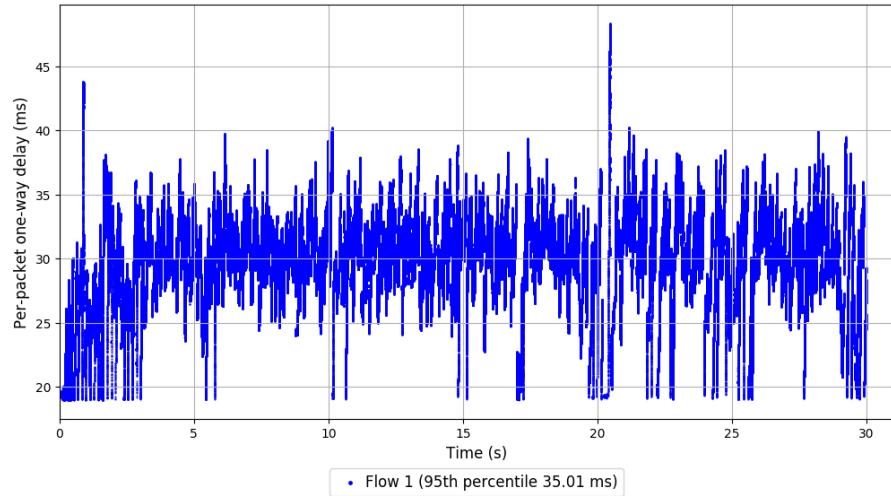
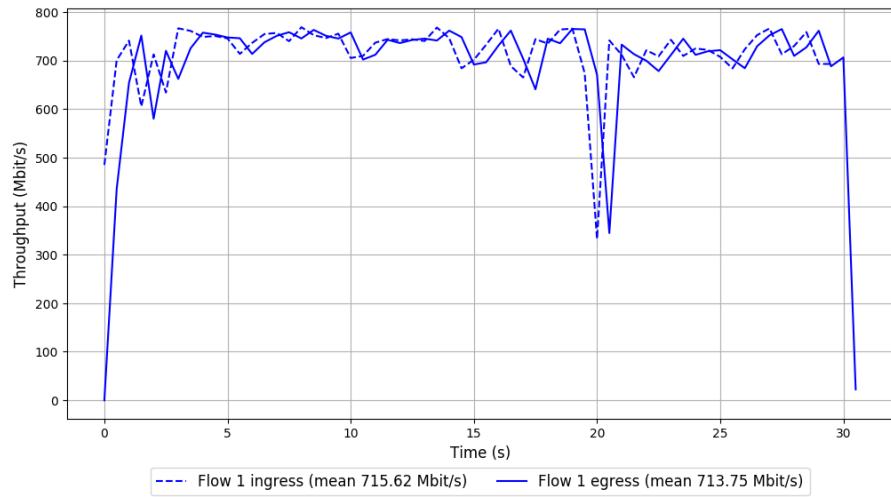


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-29 16:24:23
End at: 2018-06-29 16:24:54
Local clock offset: -0.152 ms
Remote clock offset: -3.006 ms

# Below is generated by plot.py at 2018-06-29 17:27:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 713.75 Mbit/s
95th percentile per-packet one-way delay: 35.007 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 713.75 Mbit/s
95th percentile per-packet one-way delay: 35.007 ms
Loss rate: 0.26%
```

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

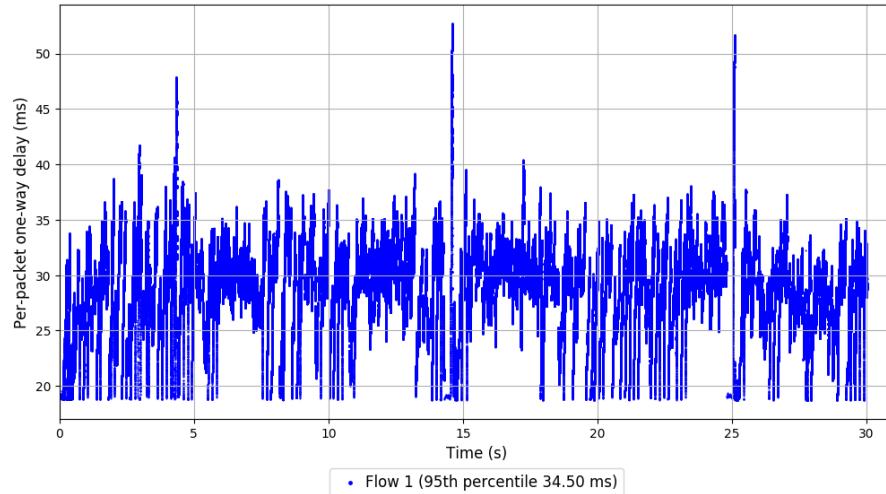
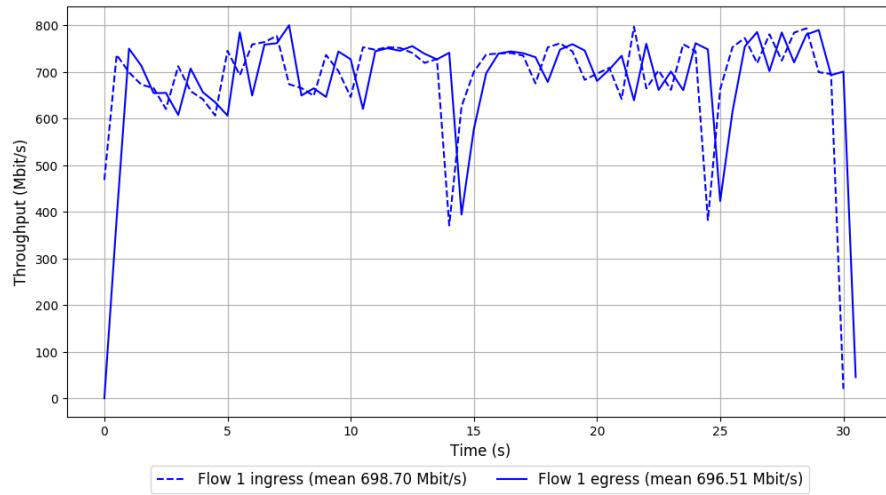


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-29 16:49:41
End at: 2018-06-29 16:50:11
Local clock offset: 1.247 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-29 17:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 696.51 Mbit/s
95th percentile per-packet one-way delay: 34.500 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 696.51 Mbit/s
95th percentile per-packet one-way delay: 34.500 ms
Loss rate: 0.31%
```

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

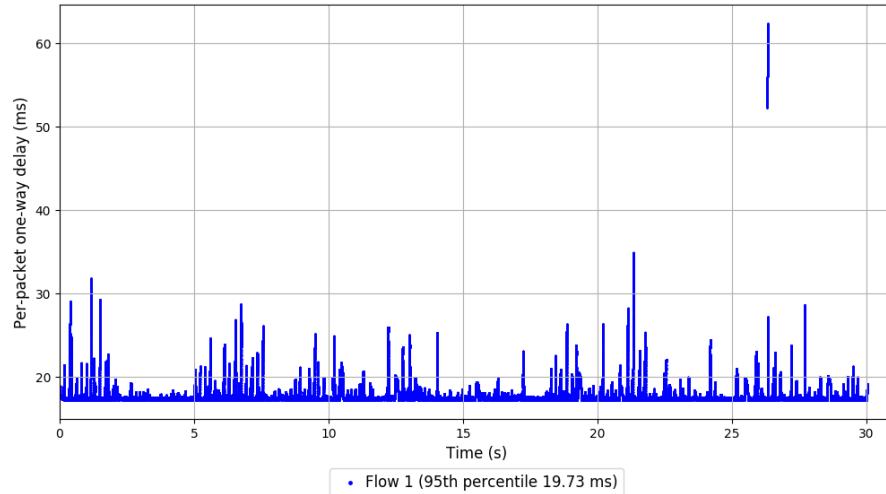
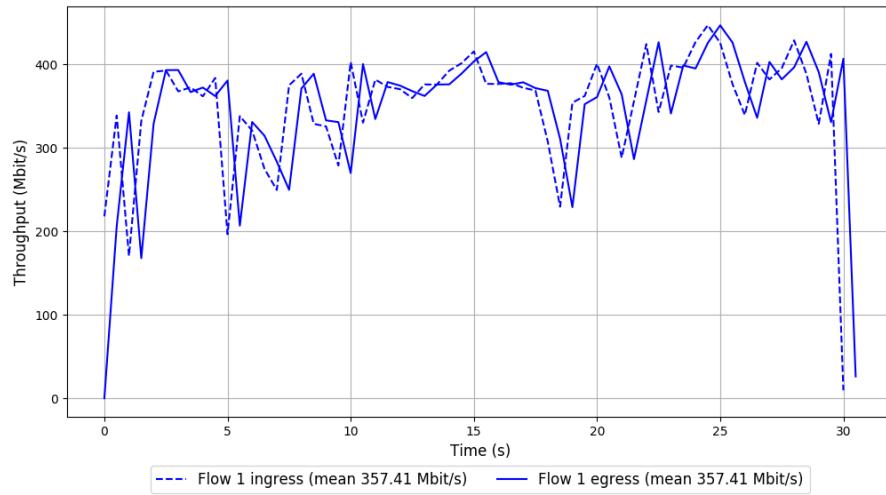


Run 1: Statistics of Copa

```
Start at: 2018-06-29 12:55:42
End at: 2018-06-29 12:56:12
Local clock offset: 3.477 ms
Remote clock offset: 2.479 ms

# Below is generated by plot.py at 2018-06-29 17:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 357.41 Mbit/s
95th percentile per-packet one-way delay: 19.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 357.41 Mbit/s
95th percentile per-packet one-way delay: 19.730 ms
Loss rate: 0.00%
```

## Run 1: Report of Copa — Data Link

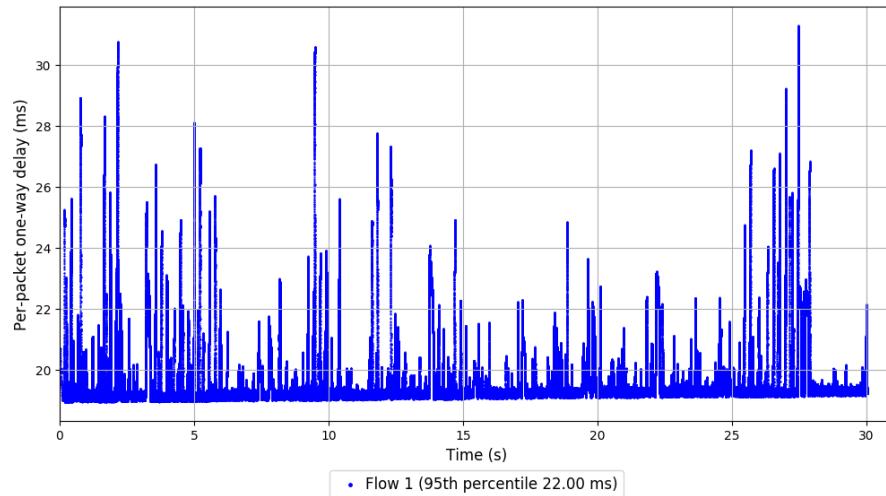
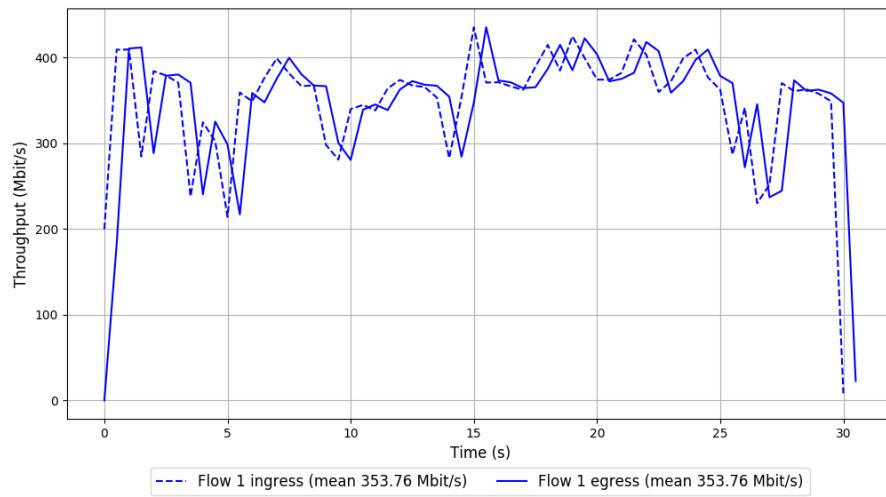


Run 2: Statistics of Copa

```
Start at: 2018-06-29 13:20:51
End at: 2018-06-29 13:21:21
Local clock offset: 3.054 ms
Remote clock offset: 2.998 ms

# Below is generated by plot.py at 2018-06-29 17:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.76 Mbit/s
95th percentile per-packet one-way delay: 22.004 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 353.76 Mbit/s
95th percentile per-packet one-way delay: 22.004 ms
Loss rate: 0.01%
```

## Run 2: Report of Copa — Data Link

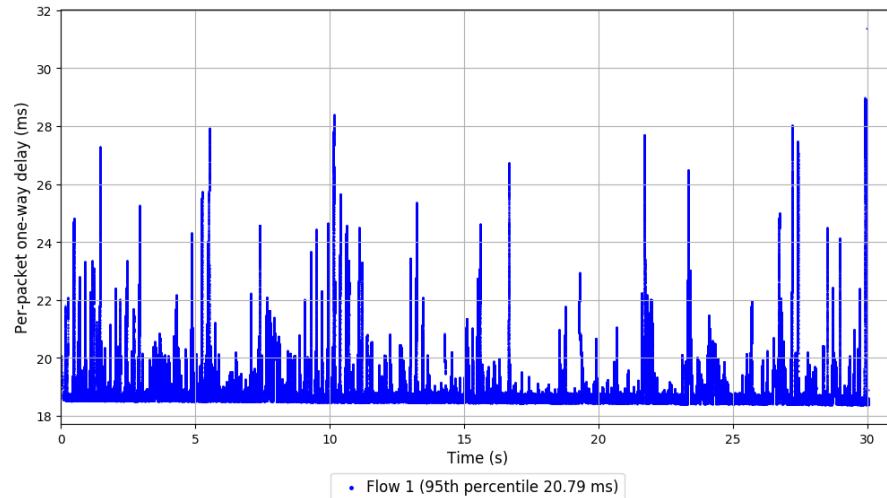
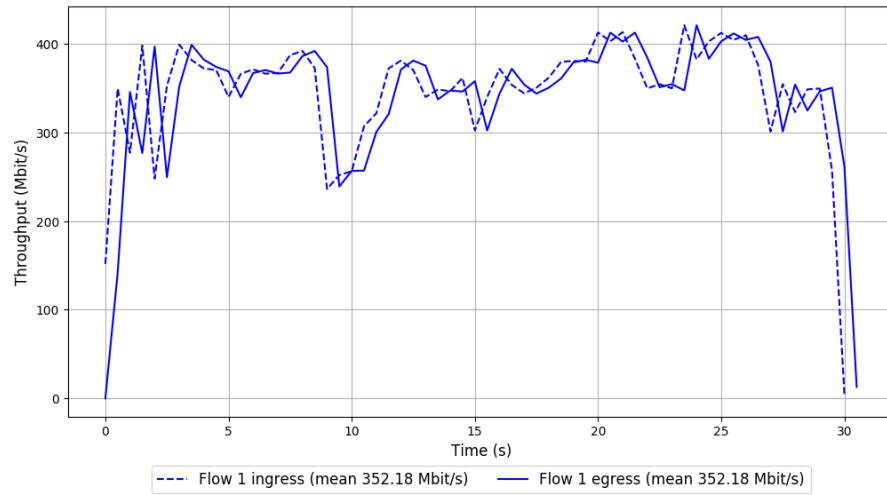


Run 3: Statistics of Copa

```
Start at: 2018-06-29 13:45:58
End at: 2018-06-29 13:46:28
Local clock offset: 0.369 ms
Remote clock offset: -3.818 ms

# Below is generated by plot.py at 2018-06-29 17:28:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 352.18 Mbit/s
95th percentile per-packet one-way delay: 20.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 352.18 Mbit/s
95th percentile per-packet one-way delay: 20.794 ms
Loss rate: 0.00%
```

### Run 3: Report of Copa — Data Link

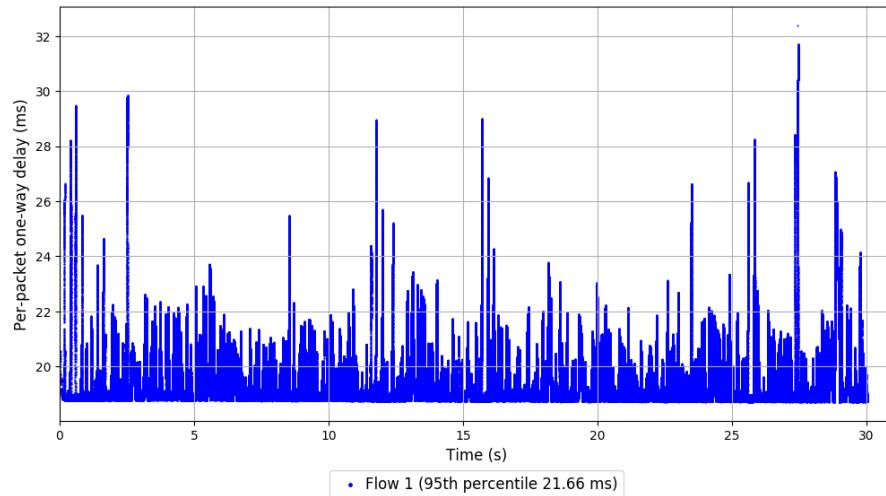
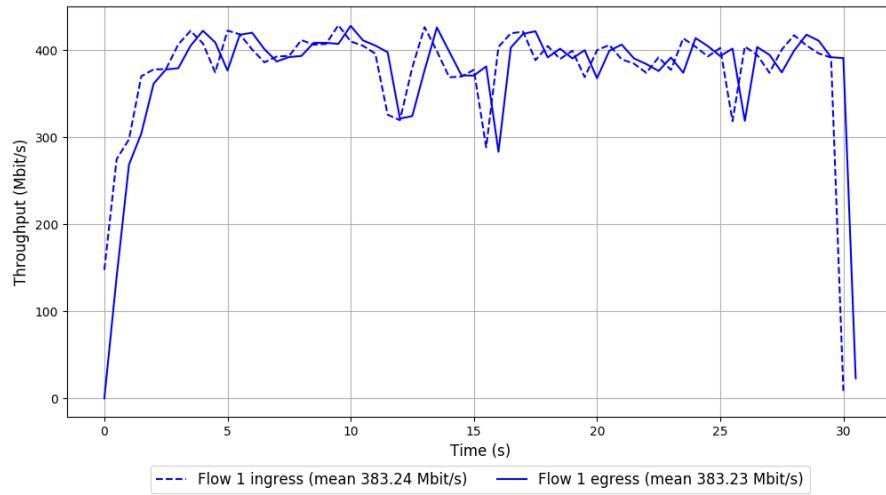


Run 4: Statistics of Copa

```
Start at: 2018-06-29 14:11:12
End at: 2018-06-29 14:11:42
Local clock offset: -3.577 ms
Remote clock offset: -0.301 ms

# Below is generated by plot.py at 2018-06-29 17:28:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 383.23 Mbit/s
95th percentile per-packet one-way delay: 21.656 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 383.23 Mbit/s
95th percentile per-packet one-way delay: 21.656 ms
Loss rate: 0.01%
```

## Run 4: Report of Copa — Data Link

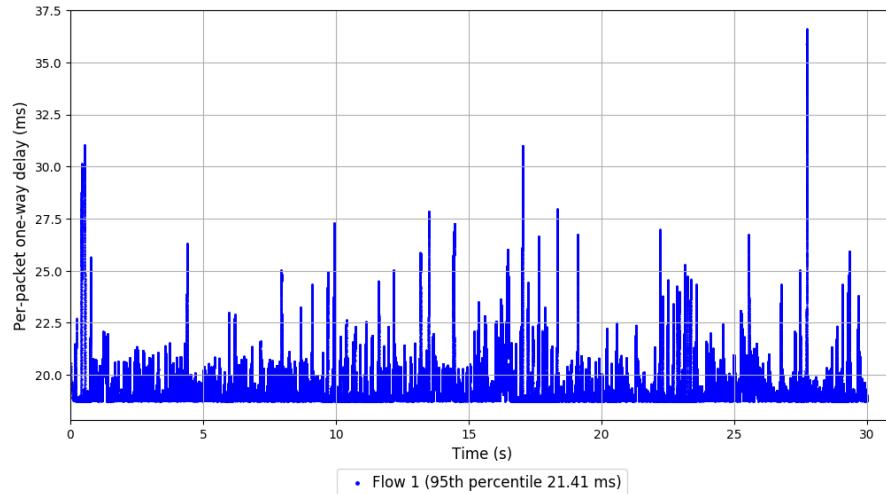
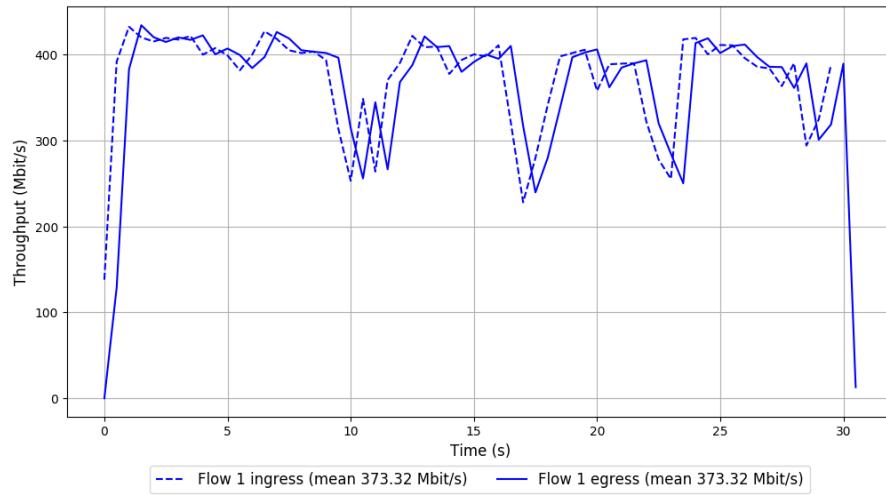


Run 5: Statistics of Copa

```
Start at: 2018-06-29 14:36:12
End at: 2018-06-29 14:36:42
Local clock offset: 3.648 ms
Remote clock offset: 2.427 ms

# Below is generated by plot.py at 2018-06-29 17:28:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 373.32 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 373.32 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.00%
```

### Run 5: Report of Copa — Data Link

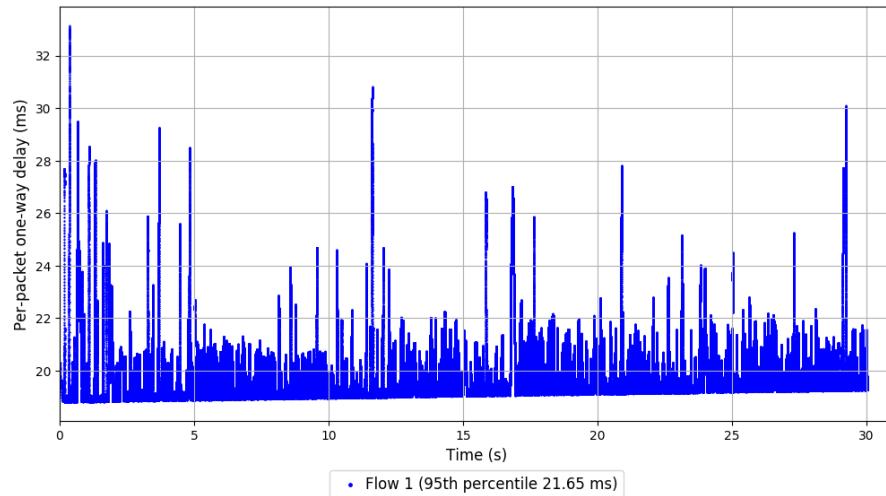
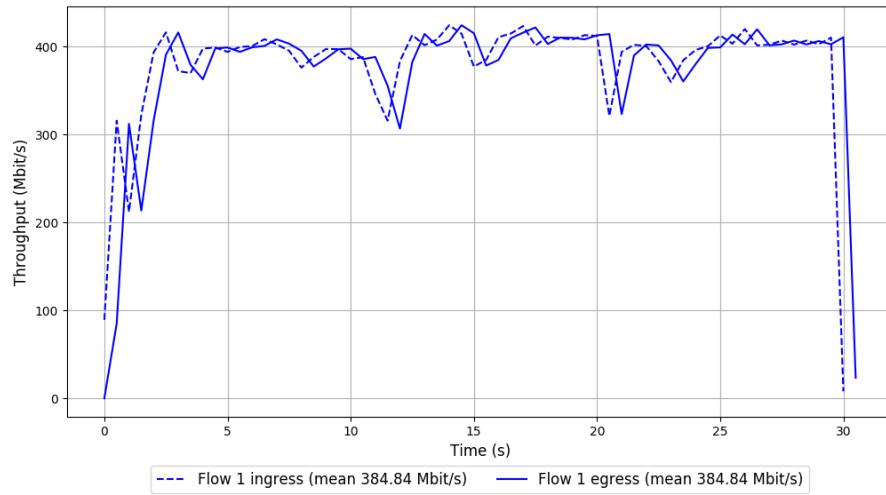


Run 6: Statistics of Copa

```
Start at: 2018-06-29 15:01:22
End at: 2018-06-29 15:01:52
Local clock offset: 3.917 ms
Remote clock offset: 3.98 ms

# Below is generated by plot.py at 2018-06-29 17:28:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 384.84 Mbit/s
95th percentile per-packet one-way delay: 21.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 384.84 Mbit/s
95th percentile per-packet one-way delay: 21.653 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

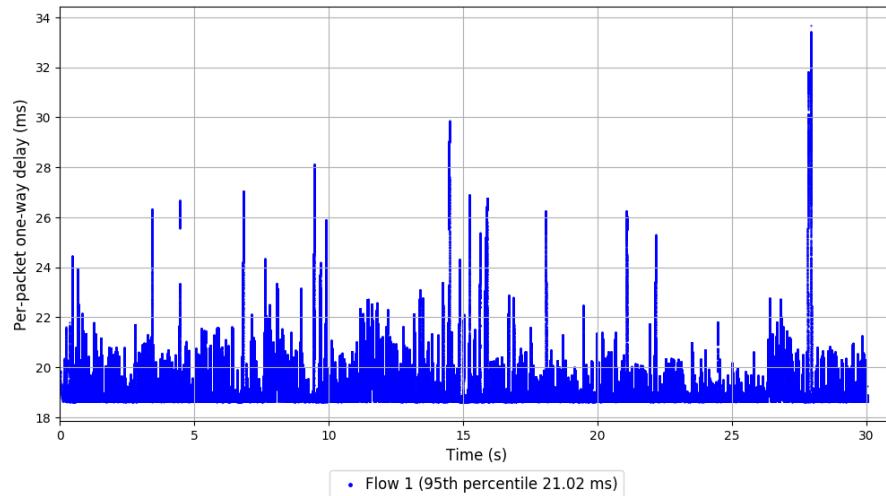
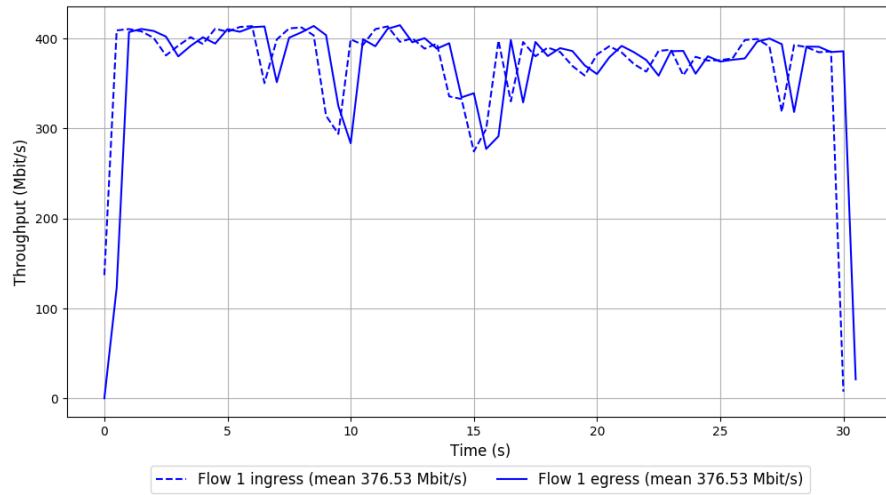


Run 7: Statistics of Copa

```
Start at: 2018-06-29 15:26:28
End at: 2018-06-29 15:26:58
Local clock offset: 1.127 ms
Remote clock offset: -5.417 ms

# Below is generated by plot.py at 2018-06-29 17:35:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 376.53 Mbit/s
95th percentile per-packet one-way delay: 21.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 376.53 Mbit/s
95th percentile per-packet one-way delay: 21.022 ms
Loss rate: 0.00%
```

### Run 7: Report of Copa — Data Link

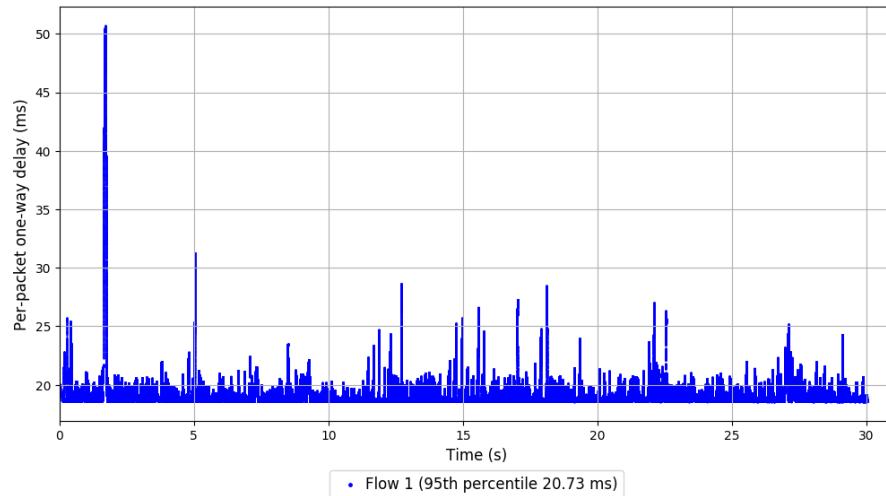
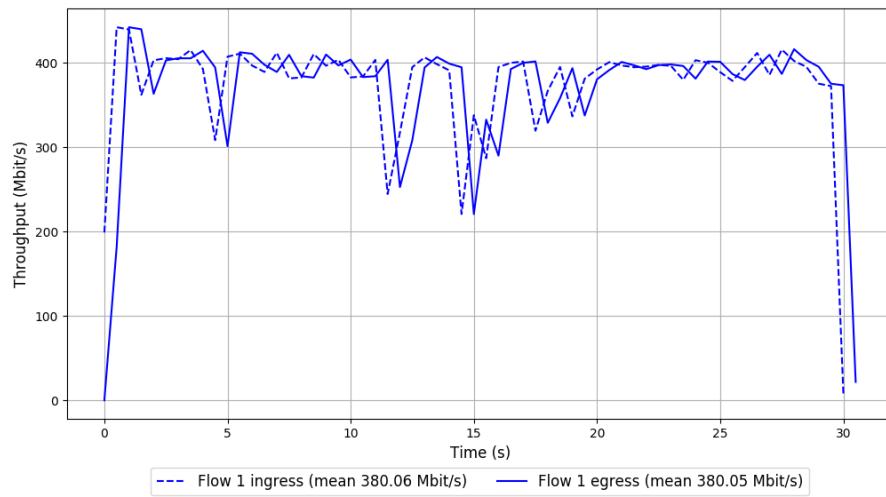


Run 8: Statistics of Copa

```
Start at: 2018-06-29 15:51:37
End at: 2018-06-29 15:52:07
Local clock offset: -0.028 ms
Remote clock offset: -1.075 ms

# Below is generated by plot.py at 2018-06-29 17:35:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 380.05 Mbit/s
95th percentile per-packet one-way delay: 20.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 380.05 Mbit/s
95th percentile per-packet one-way delay: 20.735 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

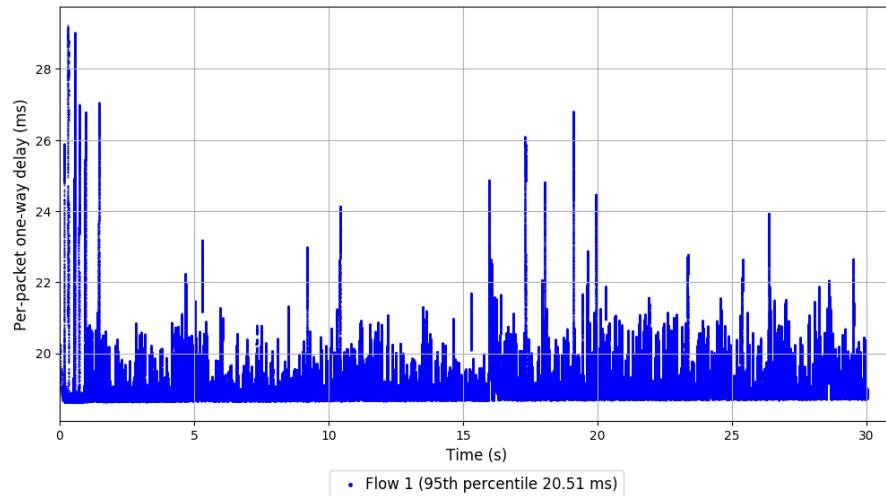
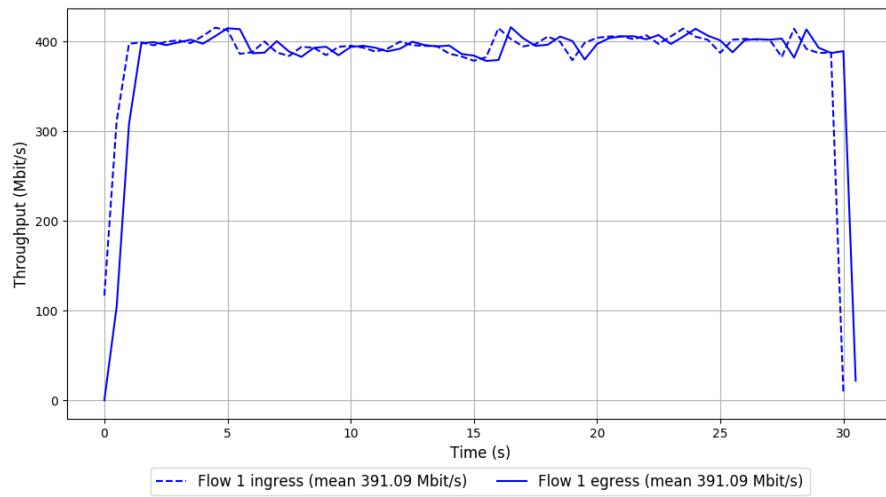


Run 9: Statistics of Copa

```
Start at: 2018-06-29 16:16:54
End at: 2018-06-29 16:17:24
Local clock offset: -0.13 ms
Remote clock offset: -2.178 ms

# Below is generated by plot.py at 2018-06-29 17:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.09 Mbit/s
95th percentile per-packet one-way delay: 20.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 391.09 Mbit/s
95th percentile per-packet one-way delay: 20.514 ms
Loss rate: 0.00%
```

## Run 9: Report of Copa — Data Link

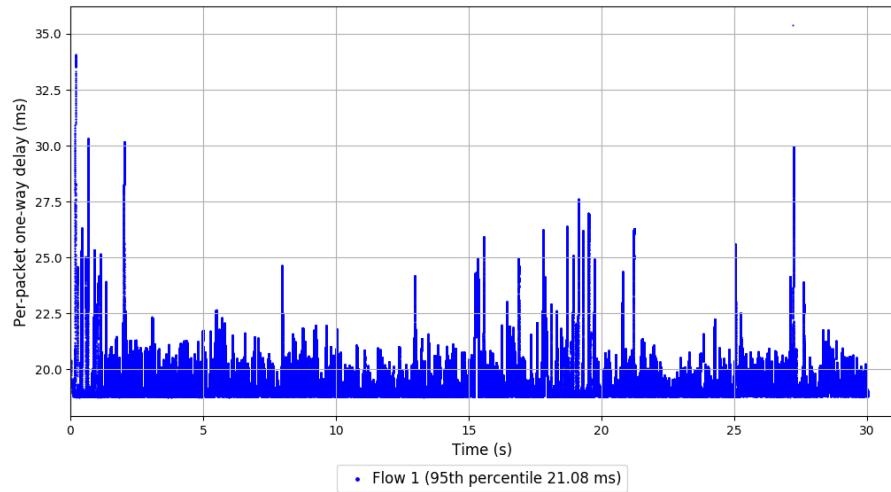
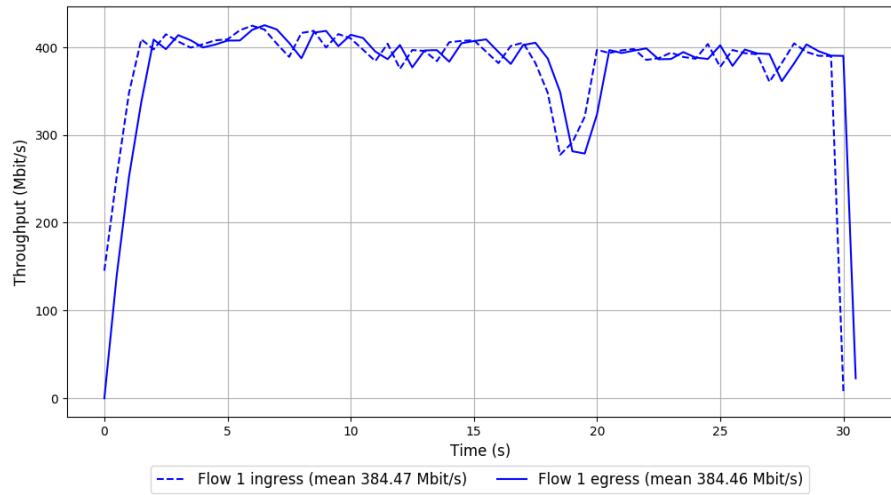


Run 10: Statistics of Copa

```
Start at: 2018-06-29 16:42:12
End at: 2018-06-29 16:42:42
Local clock offset: -0.051 ms
Remote clock offset: -4.051 ms

# Below is generated by plot.py at 2018-06-29 17:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 384.46 Mbit/s
95th percentile per-packet one-way delay: 21.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 384.46 Mbit/s
95th percentile per-packet one-way delay: 21.079 ms
Loss rate: 0.00%
```

## Run 10: Report of Copa — Data Link

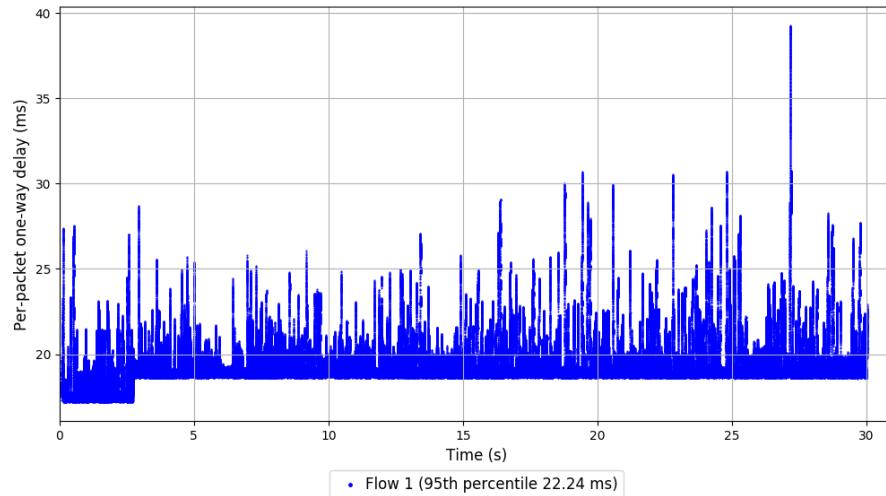
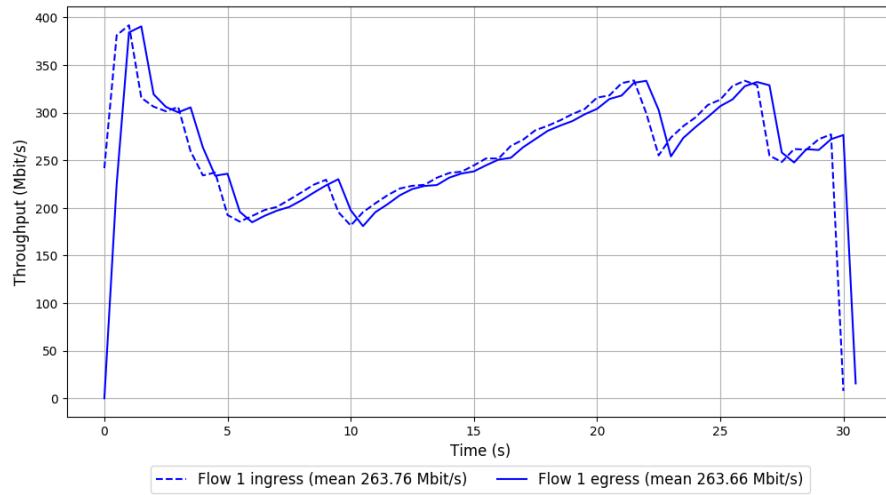


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-29 13:00:15
End at: 2018-06-29 13:00:45
Local clock offset: 4.027 ms
Remote clock offset: 3.179 ms

# Below is generated by plot.py at 2018-06-29 17:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.66 Mbit/s
95th percentile per-packet one-way delay: 22.237 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 263.66 Mbit/s
95th percentile per-packet one-way delay: 22.237 ms
Loss rate: 0.03%
```

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

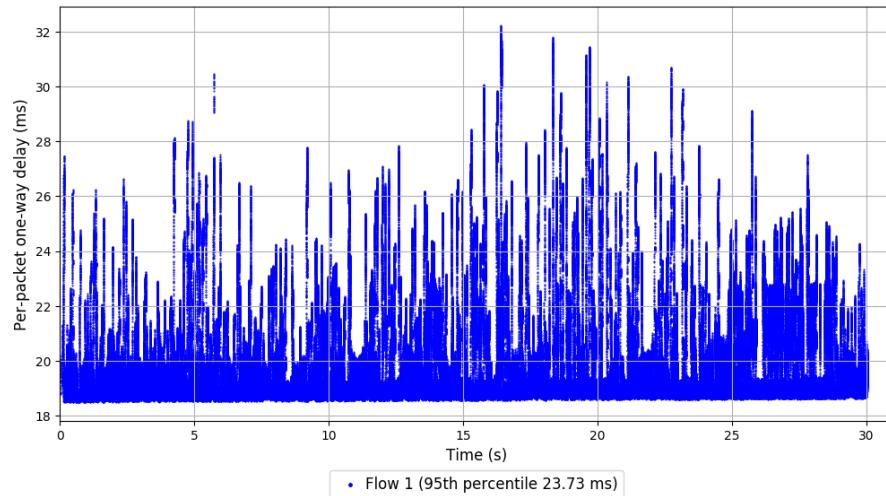
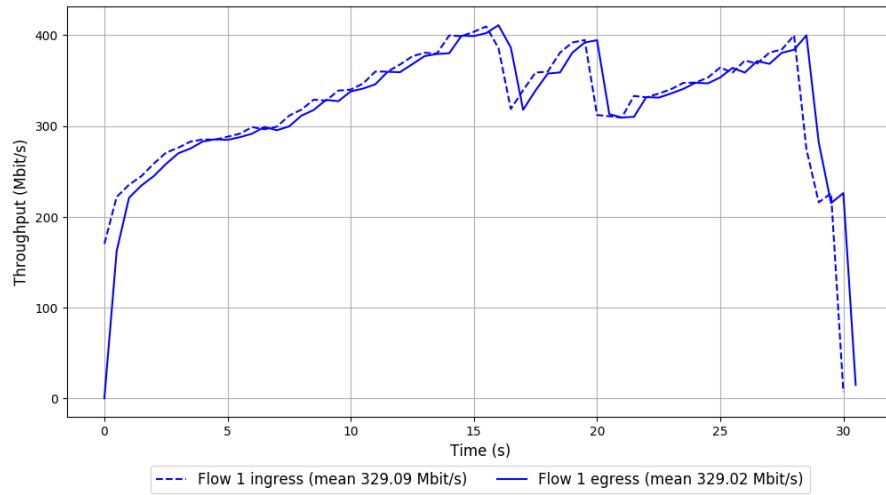


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-29 13:25:24
End at: 2018-06-29 13:25:54
Local clock offset: 1.991 ms
Remote clock offset: 0.167 ms

# Below is generated by plot.py at 2018-06-29 17:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 329.02 Mbit/s
95th percentile per-packet one-way delay: 23.729 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 329.02 Mbit/s
95th percentile per-packet one-way delay: 23.729 ms
Loss rate: 0.03%
```

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

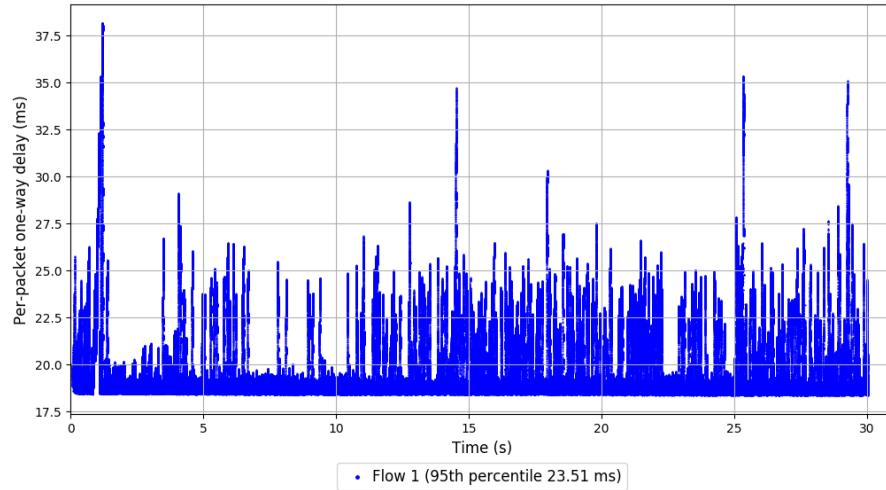
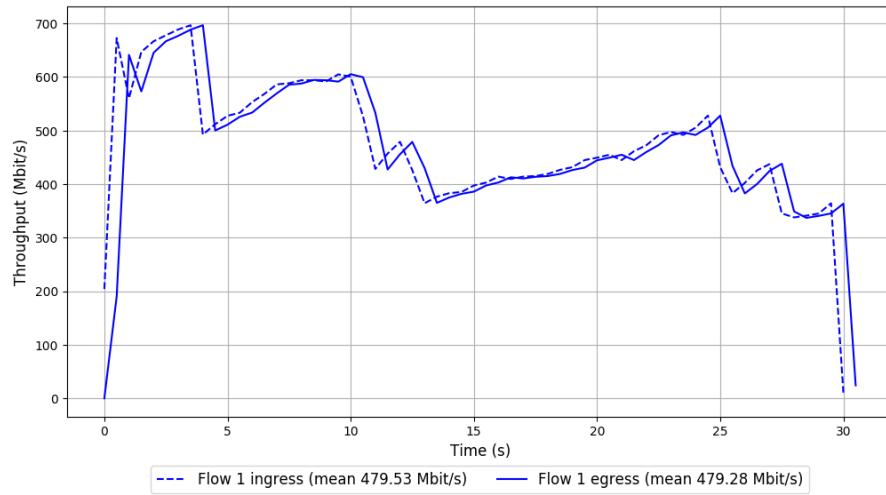


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-29 13:50:28
End at: 2018-06-29 13:50:58
Local clock offset: -0.976 ms
Remote clock offset: -4.191 ms

# Below is generated by plot.py at 2018-06-29 17:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 479.28 Mbit/s
95th percentile per-packet one-way delay: 23.506 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 479.28 Mbit/s
95th percentile per-packet one-way delay: 23.506 ms
Loss rate: 0.05%
```

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

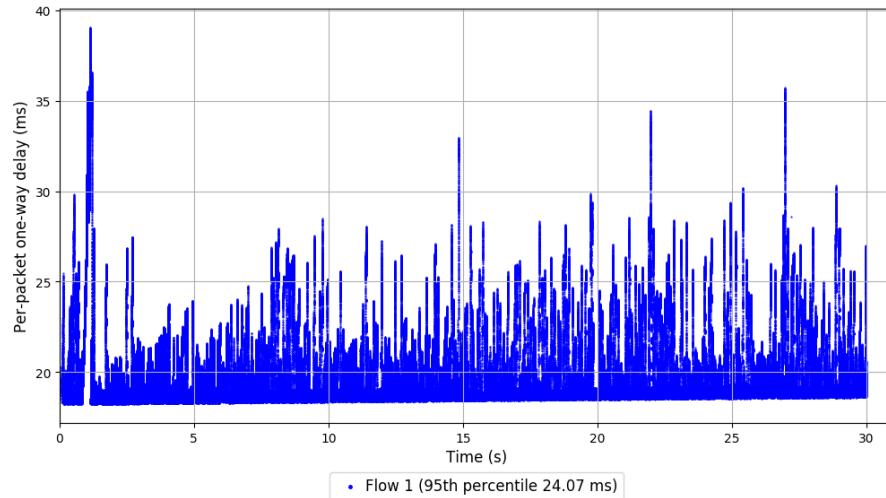
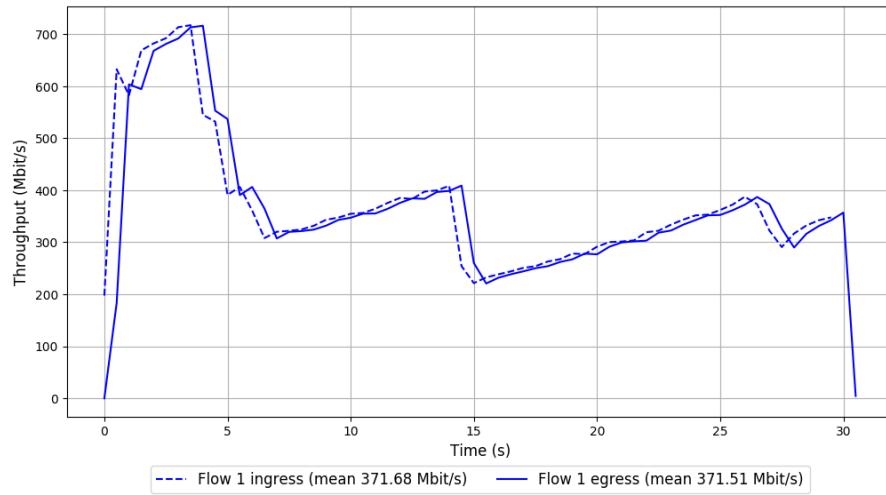


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-29 14:15:45
End at: 2018-06-29 14:16:15
Local clock offset: -3.862 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-29 17:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.51 Mbit/s
95th percentile per-packet one-way delay: 24.072 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 371.51 Mbit/s
95th percentile per-packet one-way delay: 24.072 ms
Loss rate: 0.04%
```

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

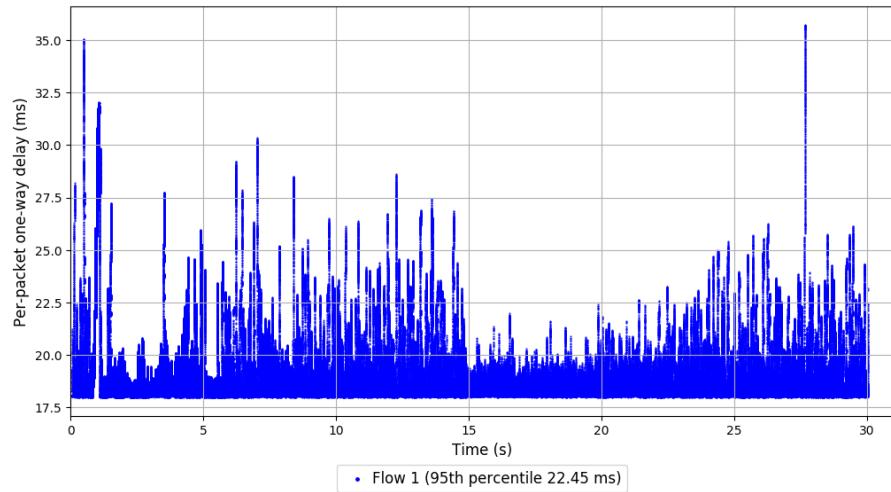
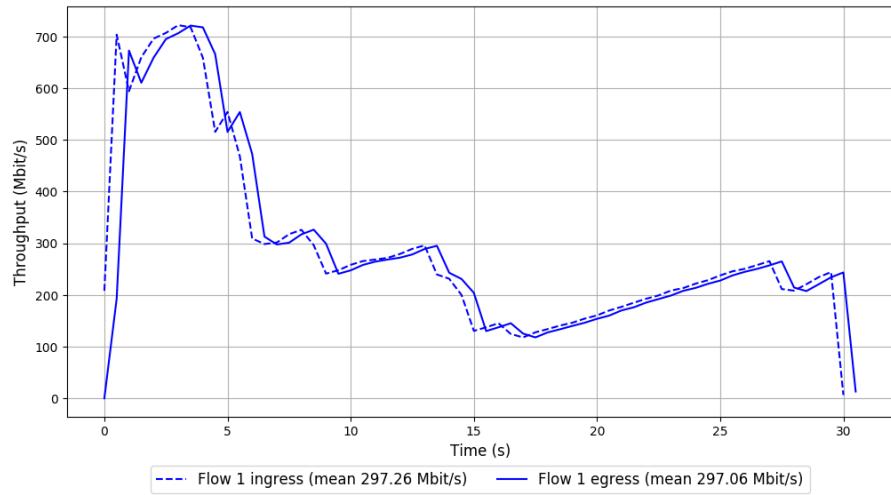


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-29 14:40:41
End at: 2018-06-29 14:41:11
Local clock offset: 4.222 ms
Remote clock offset: 2.985 ms

# Below is generated by plot.py at 2018-06-29 17:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 297.06 Mbit/s
95th percentile per-packet one-way delay: 22.452 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 297.06 Mbit/s
95th percentile per-packet one-way delay: 22.452 ms
Loss rate: 0.06%
```

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

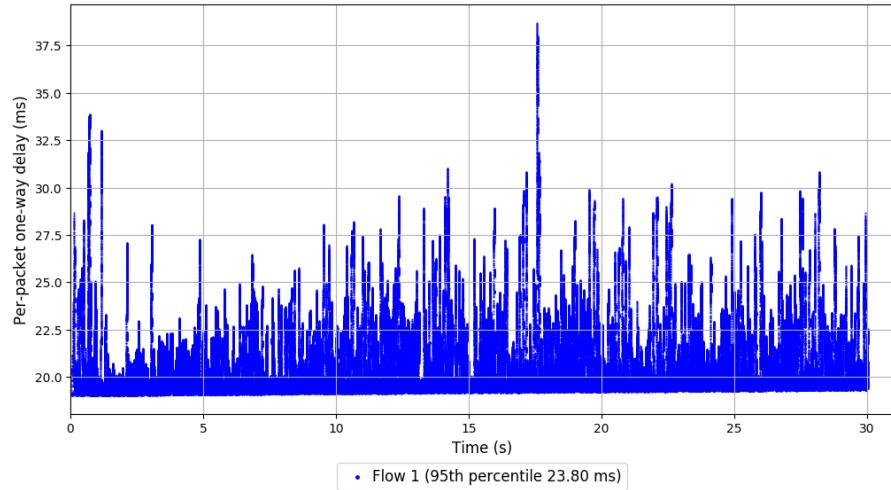
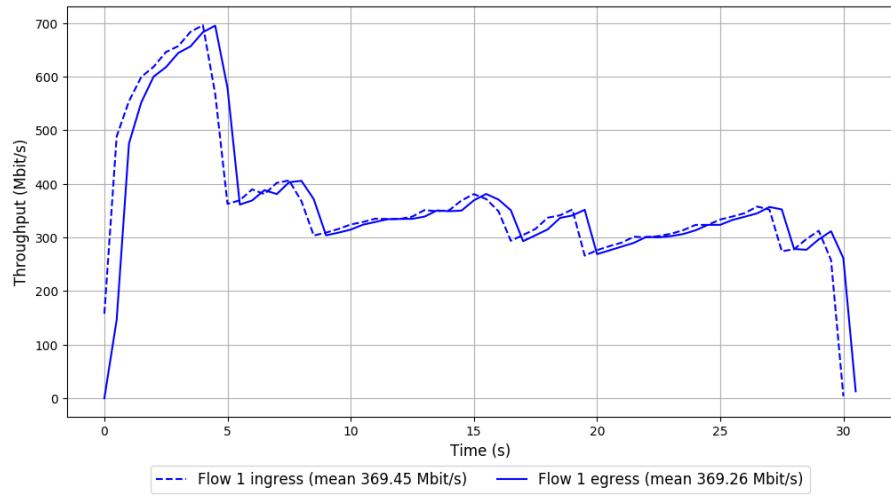


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-29 15:05:55
End at: 2018-06-29 15:06:25
Local clock offset: 3.973 ms
Remote clock offset: 0.645 ms

# Below is generated by plot.py at 2018-06-29 17:36:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.26 Mbit/s
95th percentile per-packet one-way delay: 23.801 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 369.26 Mbit/s
95th percentile per-packet one-way delay: 23.801 ms
Loss rate: 0.05%
```

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

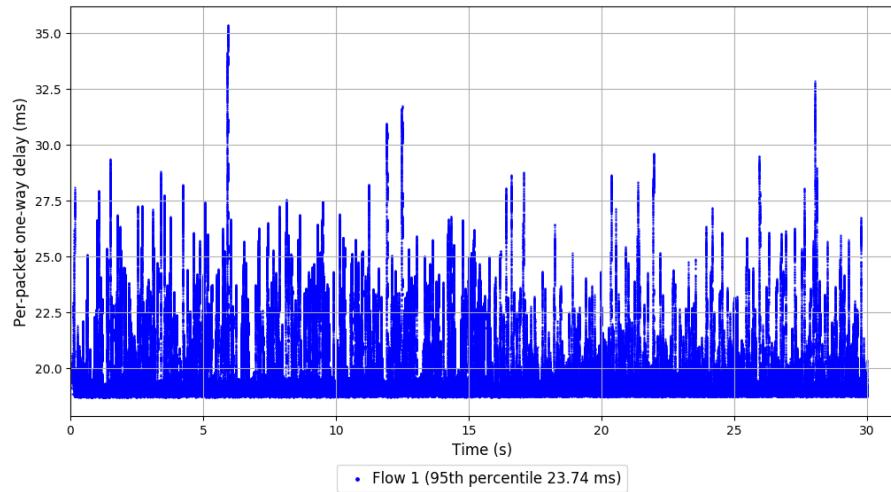
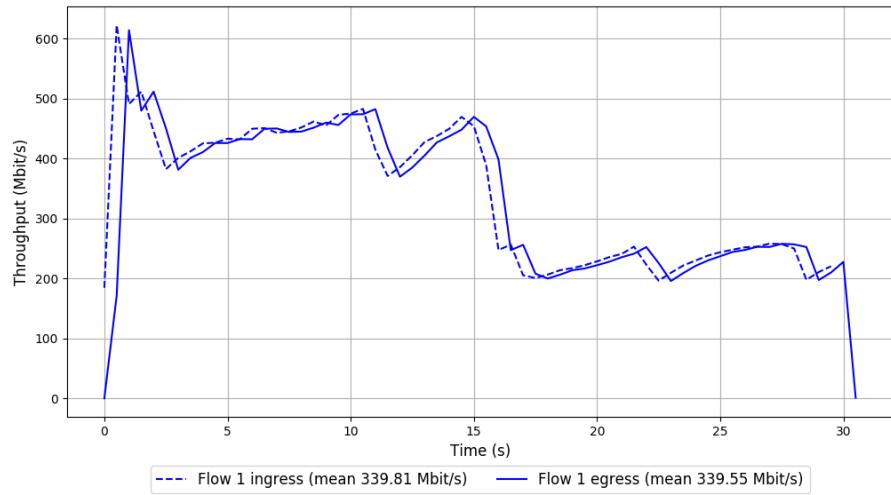


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-29 15:30:59
End at: 2018-06-29 15:31:29
Local clock offset: 0.565 ms
Remote clock offset: -5.984 ms

# Below is generated by plot.py at 2018-06-29 17:37:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.55 Mbit/s
95th percentile per-packet one-way delay: 23.740 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 339.55 Mbit/s
95th percentile per-packet one-way delay: 23.740 ms
Loss rate: 0.08%
```

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

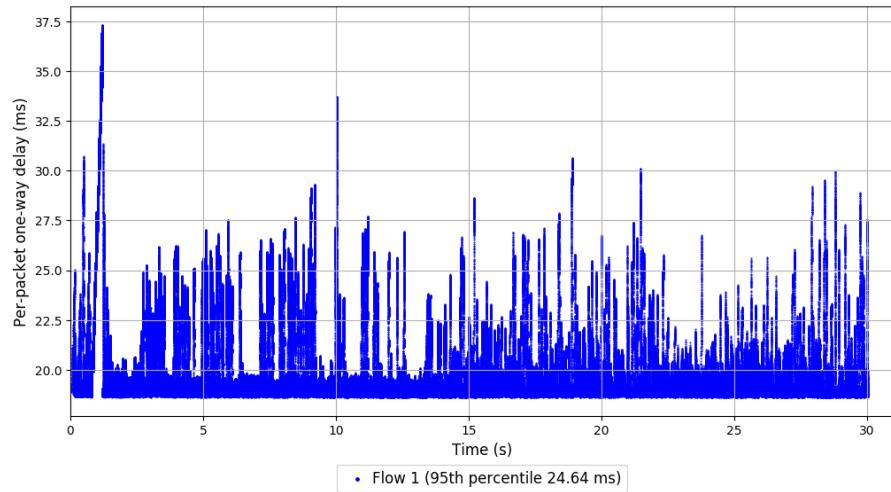
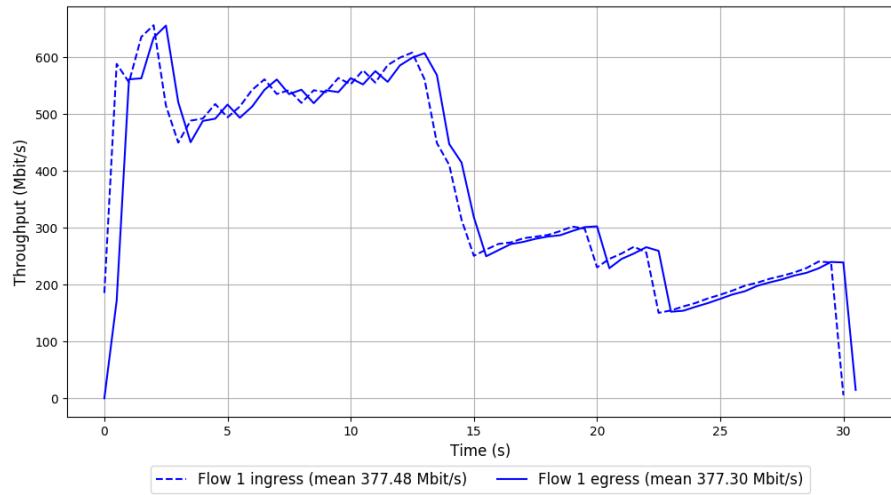


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-29 15:56:08
End at: 2018-06-29 15:56:38
Local clock offset: 0.024 ms
Remote clock offset: -0.681 ms

# Below is generated by plot.py at 2018-06-29 17:38:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 377.30 Mbit/s
95th percentile per-packet one-way delay: 24.639 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 377.30 Mbit/s
95th percentile per-packet one-way delay: 24.639 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Cubic — Data Link

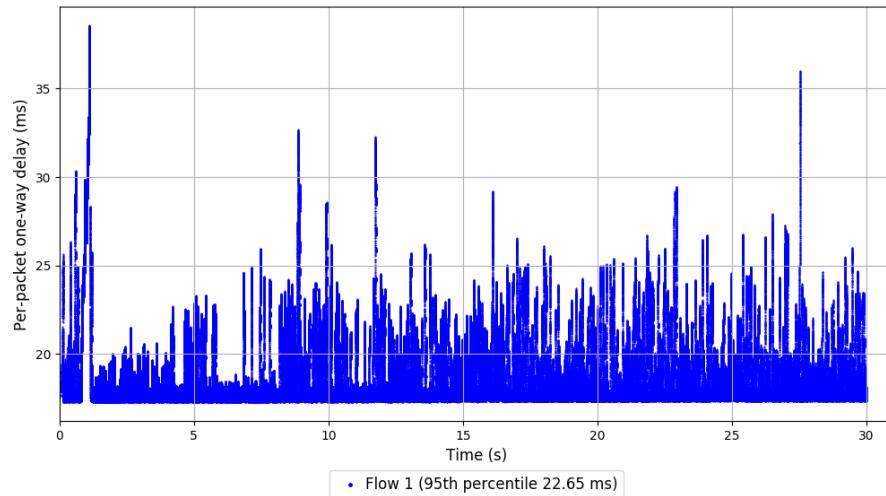
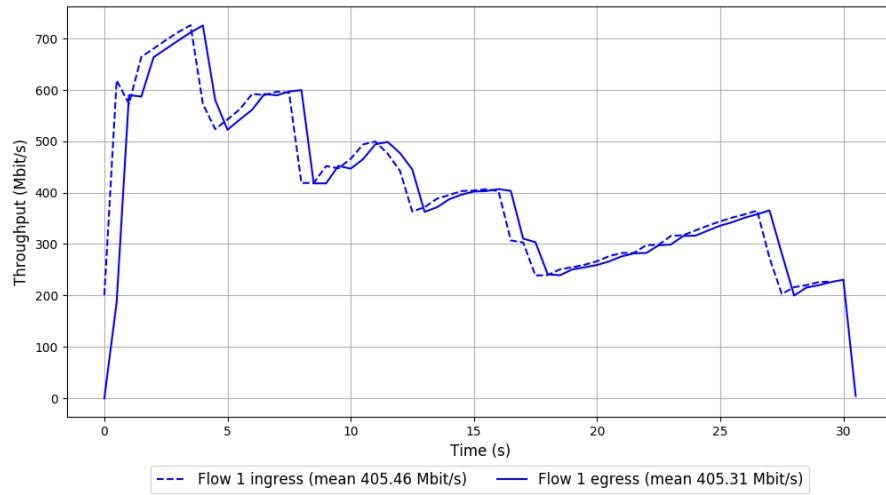


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-29 16:21:27
End at: 2018-06-29 16:21:57
Local clock offset: -0.078 ms
Remote clock offset: -2.666 ms

# Below is generated by plot.py at 2018-06-29 17:39:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.31 Mbit/s
95th percentile per-packet one-way delay: 22.648 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 405.31 Mbit/s
95th percentile per-packet one-way delay: 22.648 ms
Loss rate: 0.04%
```

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

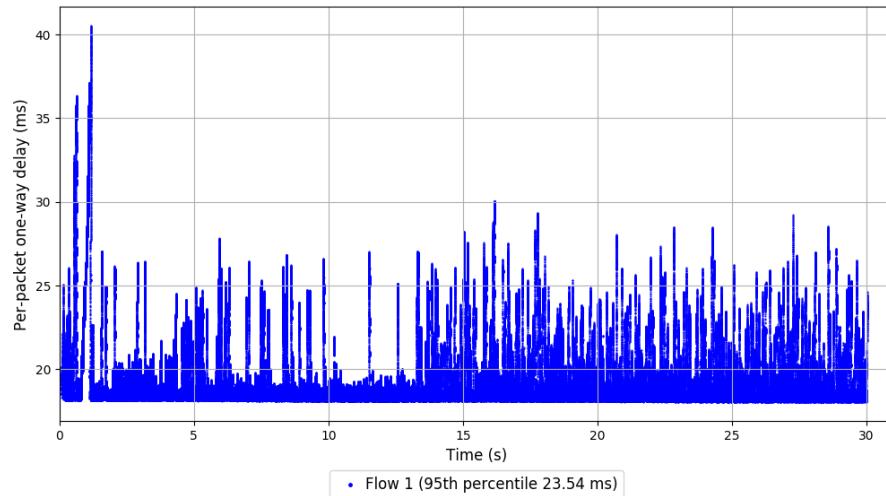
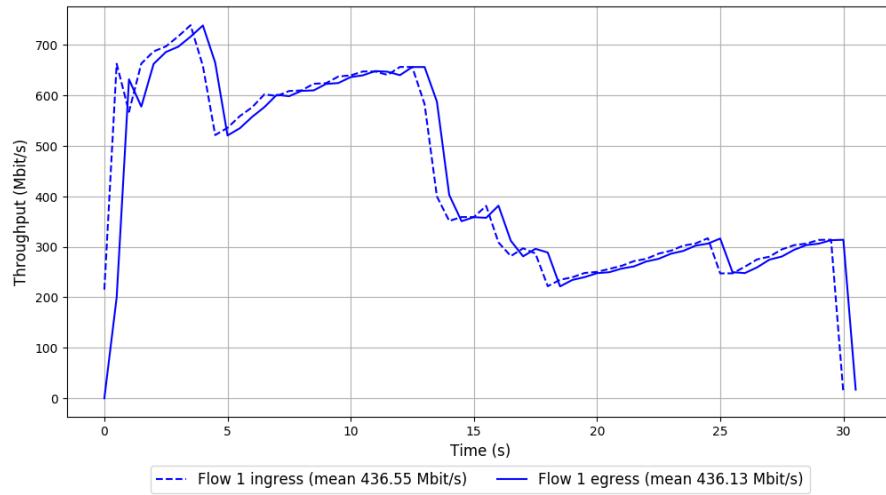


Run 10: Statistics of TCP Cubic

```
Start at: 2018-06-29 16:46:45
End at: 2018-06-29 16:47:15
Local clock offset: 0.339 ms
Remote clock offset: -1.544 ms

# Below is generated by plot.py at 2018-06-29 17:40:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.13 Mbit/s
95th percentile per-packet one-way delay: 23.536 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 436.13 Mbit/s
95th percentile per-packet one-way delay: 23.536 ms
Loss rate: 0.10%
```

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

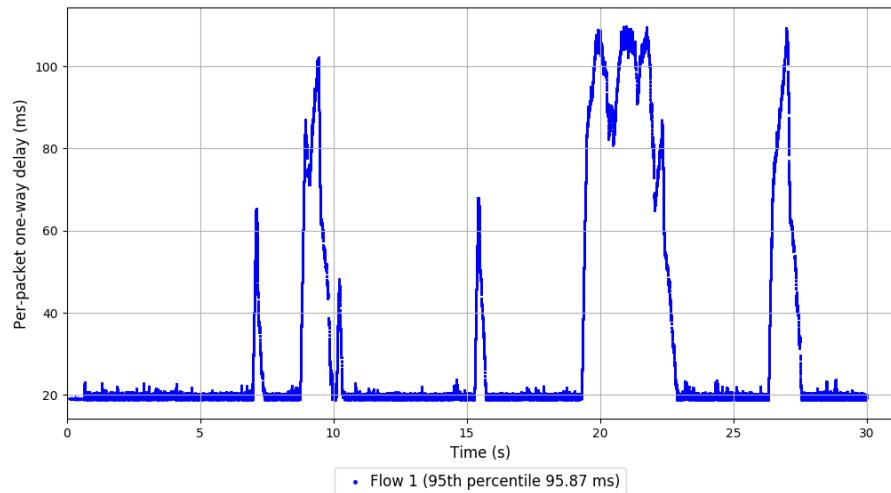
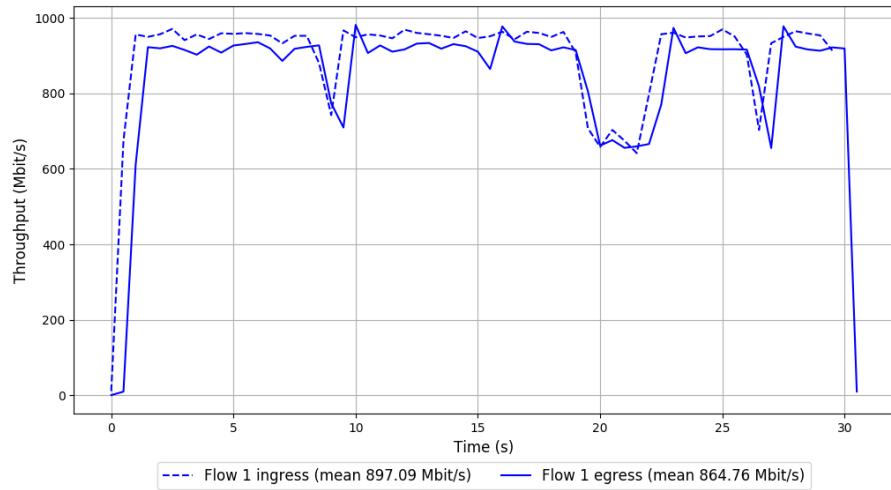


```
Run 1: Statistics of FillP
```

```
Start at: 2018-06-29 12:54:01
End at: 2018-06-29 12:54:31
Local clock offset: 3.367 ms
Remote clock offset: 2.192 ms

# Below is generated by plot.py at 2018-06-29 17:48:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 864.76 Mbit/s
95th percentile per-packet one-way delay: 95.866 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 864.76 Mbit/s
95th percentile per-packet one-way delay: 95.866 ms
Loss rate: 3.60%
```

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

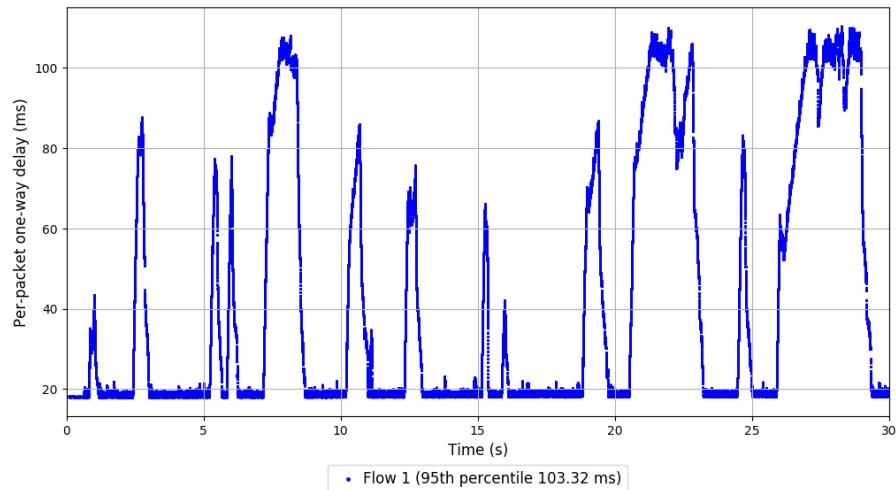
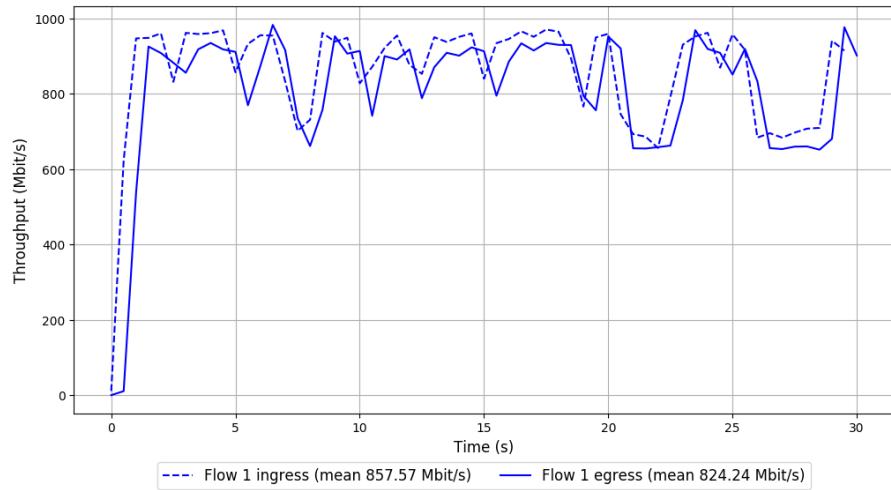


Run 2: Statistics of FillP

```
Start at: 2018-06-29 13:19:11
End at: 2018-06-29 13:19:41
Local clock offset: 3.766 ms
Remote clock offset: 4.359 ms

# Below is generated by plot.py at 2018-06-29 17:48:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 824.24 Mbit/s
95th percentile per-packet one-way delay: 103.319 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 824.24 Mbit/s
95th percentile per-packet one-way delay: 103.319 ms
Loss rate: 3.88%
```

## Run 2: Report of FillP — Data Link

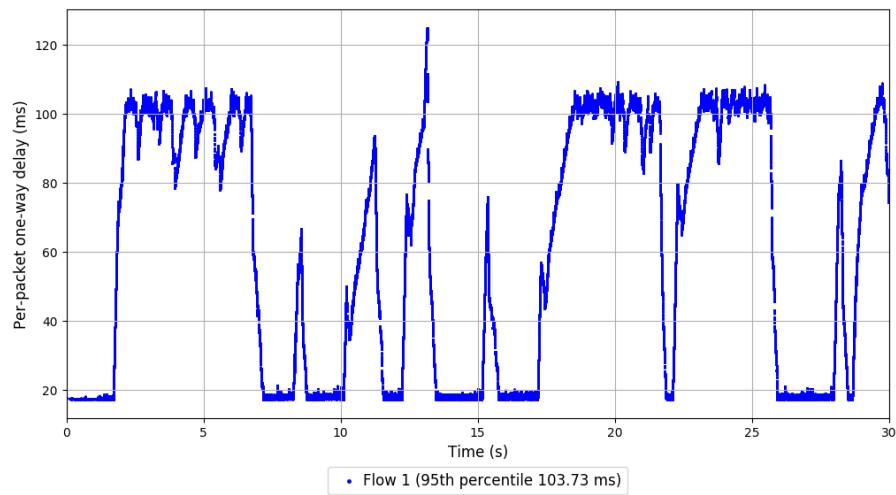
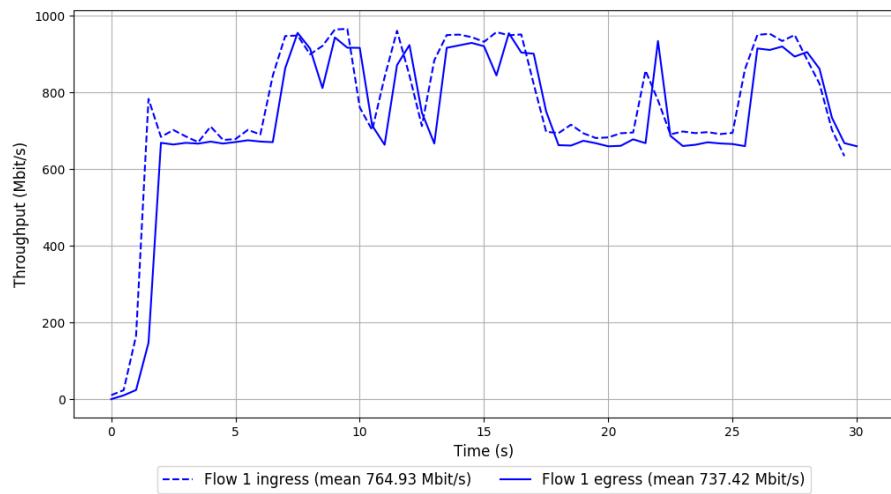


Run 3: Statistics of FillP

```
Start at: 2018-06-29 13:44:21
End at: 2018-06-29 13:44:51
Local clock offset: 0.417 ms
Remote clock offset: -3.668 ms

# Below is generated by plot.py at 2018-06-29 17:48:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 737.42 Mbit/s
95th percentile per-packet one-way delay: 103.727 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 737.42 Mbit/s
95th percentile per-packet one-way delay: 103.727 ms
Loss rate: 3.59%
```

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

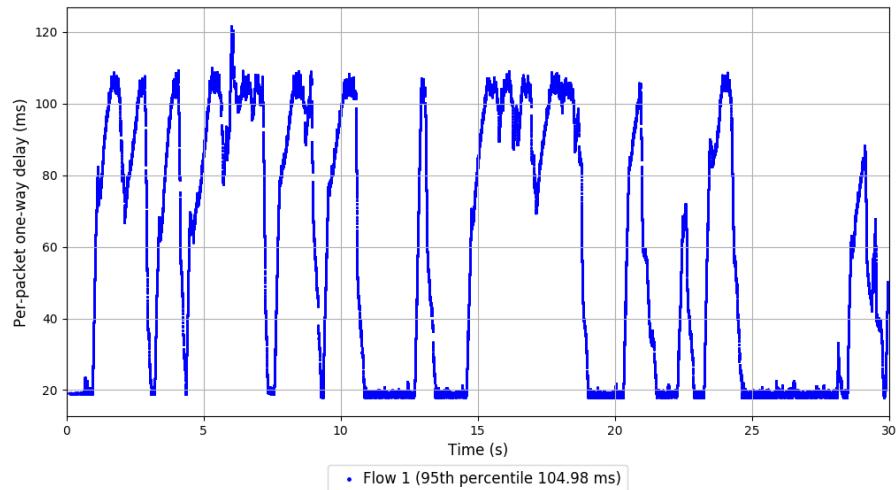
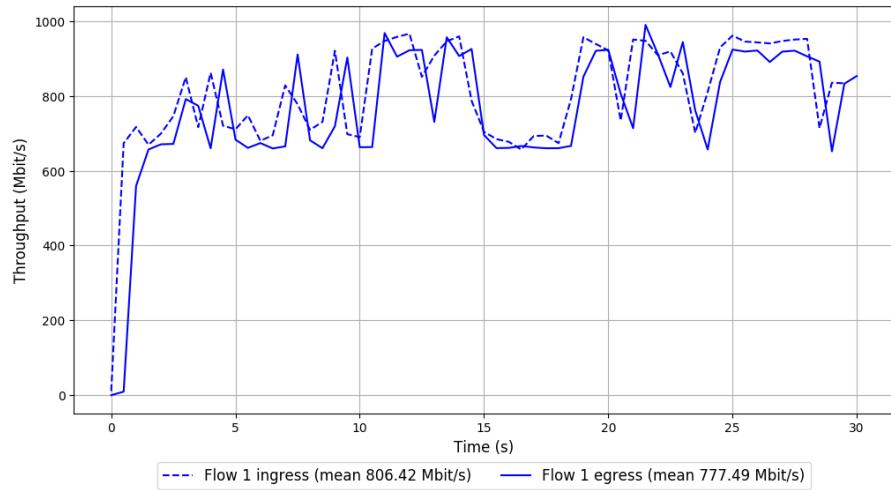


Run 4: Statistics of FillP

```
Start at: 2018-06-29 14:09:34
End at: 2018-06-29 14:10:04
Local clock offset: -3.553 ms
Remote clock offset: -0.36 ms

# Below is generated by plot.py at 2018-06-29 17:48:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 777.49 Mbit/s
95th percentile per-packet one-way delay: 104.984 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 777.49 Mbit/s
95th percentile per-packet one-way delay: 104.984 ms
Loss rate: 3.59%
```

## Run 4: Report of FillP — Data Link

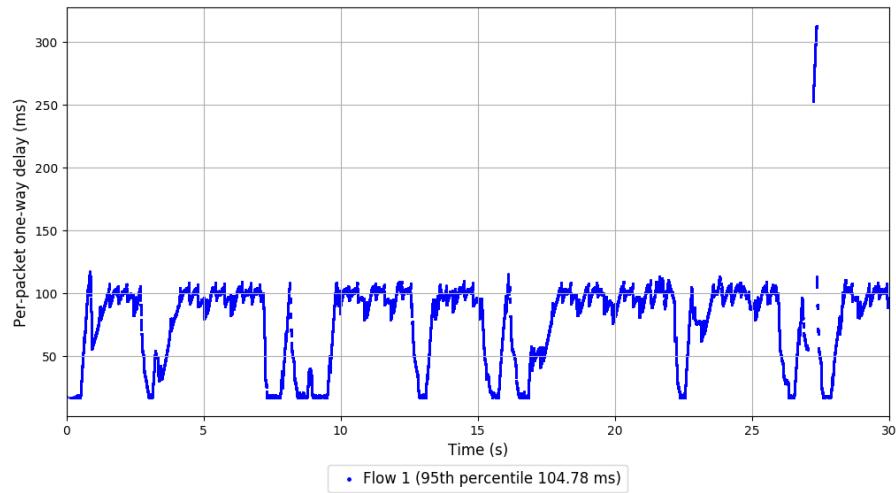
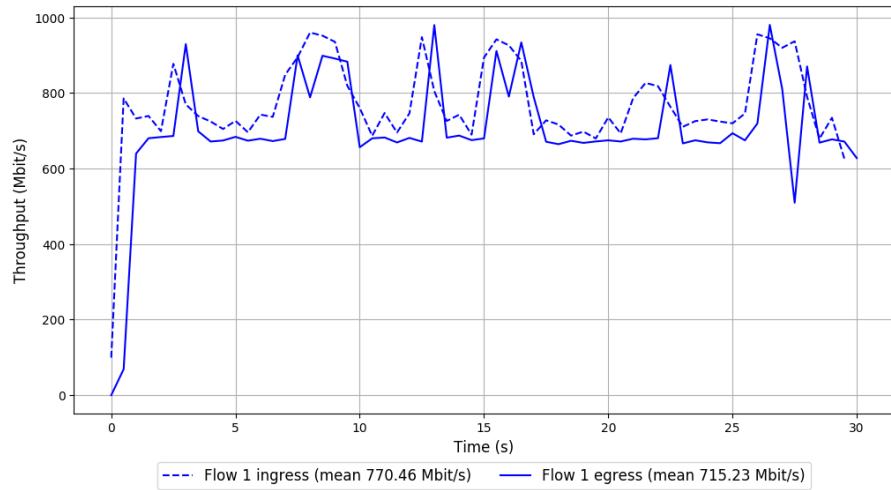


Run 5: Statistics of FillP

```
Start at: 2018-06-29 14:34:35
End at: 2018-06-29 14:35:05
Local clock offset: 3.501 ms
Remote clock offset: 2.119 ms

# Below is generated by plot.py at 2018-06-29 17:48:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 715.23 Mbit/s
95th percentile per-packet one-way delay: 104.779 ms
Loss rate: 7.16%
-- Flow 1:
Average throughput: 715.23 Mbit/s
95th percentile per-packet one-way delay: 104.779 ms
Loss rate: 7.16%
```

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

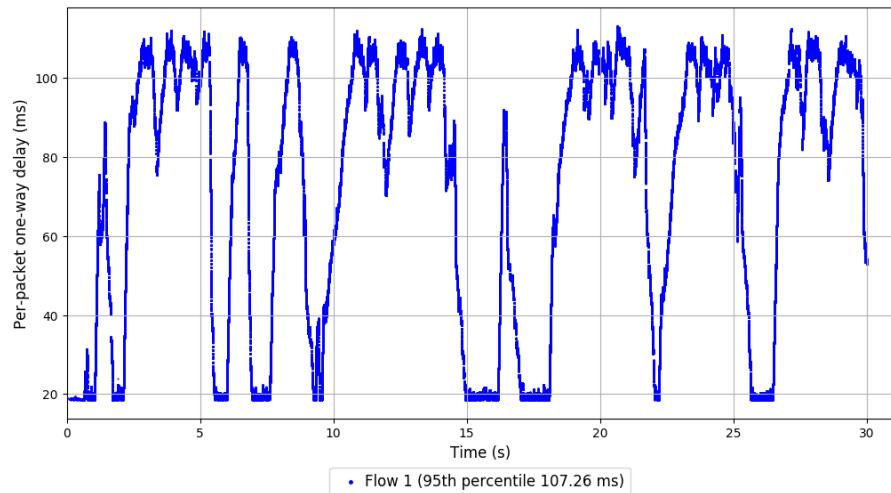
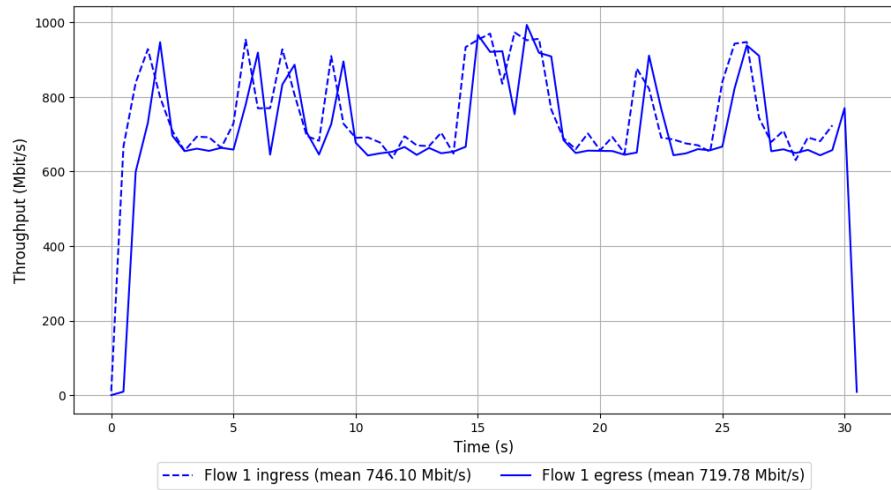


Run 6: Statistics of FillP

```
Start at: 2018-06-29 14:59:45
End at: 2018-06-29 15:00:15
Local clock offset: 3.959 ms
Remote clock offset: 4.435 ms

# Below is generated by plot.py at 2018-06-29 17:49:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 719.78 Mbit/s
95th percentile per-packet one-way delay: 107.263 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 719.78 Mbit/s
95th percentile per-packet one-way delay: 107.263 ms
Loss rate: 3.52%
```

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

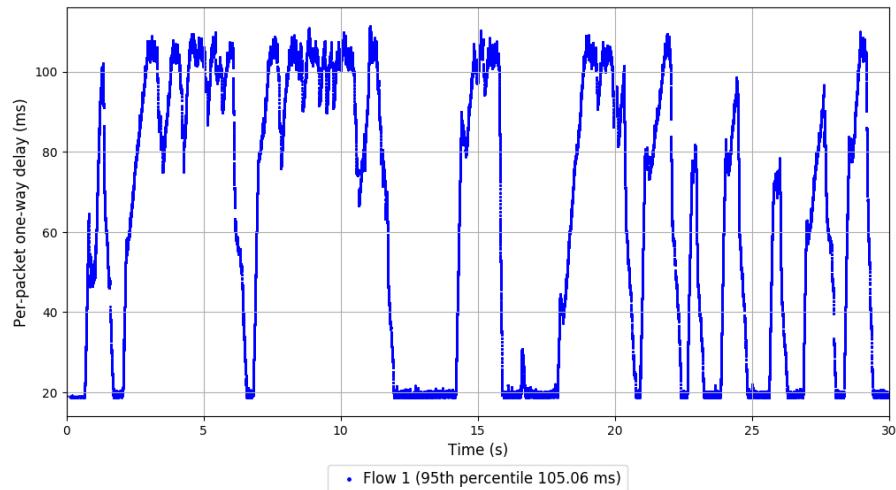
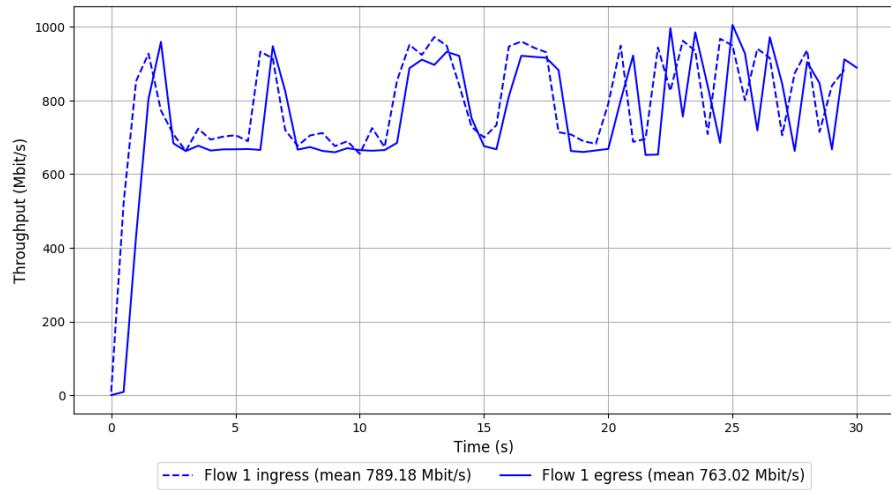


Run 7: Statistics of FillP

```
Start at: 2018-06-29 15:24:50
End at: 2018-06-29 15:25:20
Local clock offset: 1.385 ms
Remote clock offset: -5.101 ms

# Below is generated by plot.py at 2018-06-29 17:51:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 763.02 Mbit/s
95th percentile per-packet one-way delay: 105.056 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 763.02 Mbit/s
95th percentile per-packet one-way delay: 105.056 ms
Loss rate: 3.32%
```

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

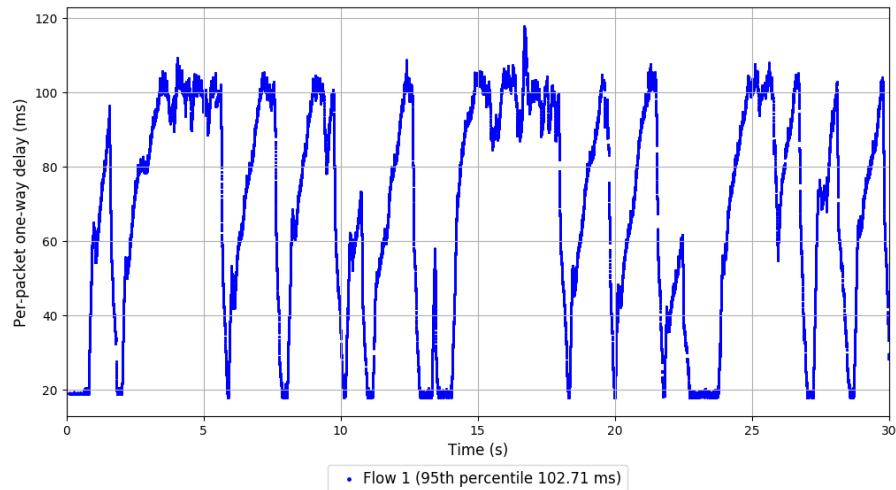
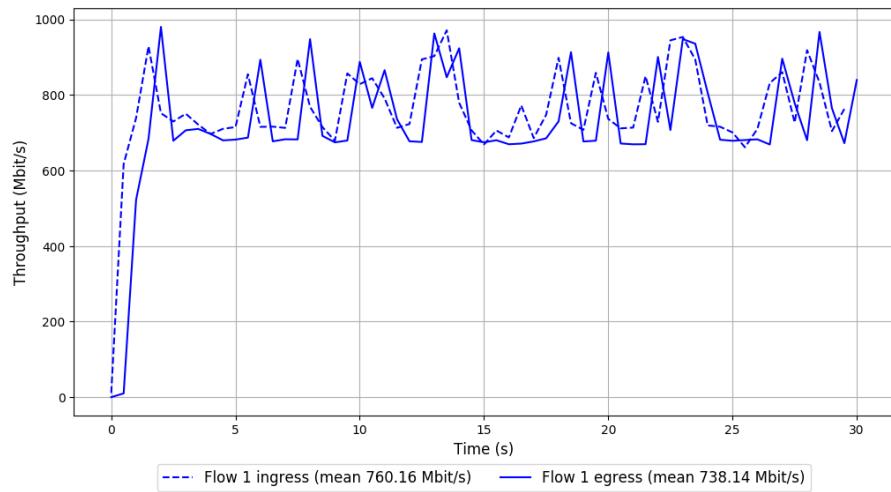


Run 8: Statistics of FillP

```
Start at: 2018-06-29 15:50:00
End at: 2018-06-29 15:50:30
Local clock offset: -0.179 ms
Remote clock offset: -1.233 ms

# Below is generated by plot.py at 2018-06-29 17:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 738.14 Mbit/s
95th percentile per-packet one-way delay: 102.710 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 738.14 Mbit/s
95th percentile per-packet one-way delay: 102.710 ms
Loss rate: 2.90%
```

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

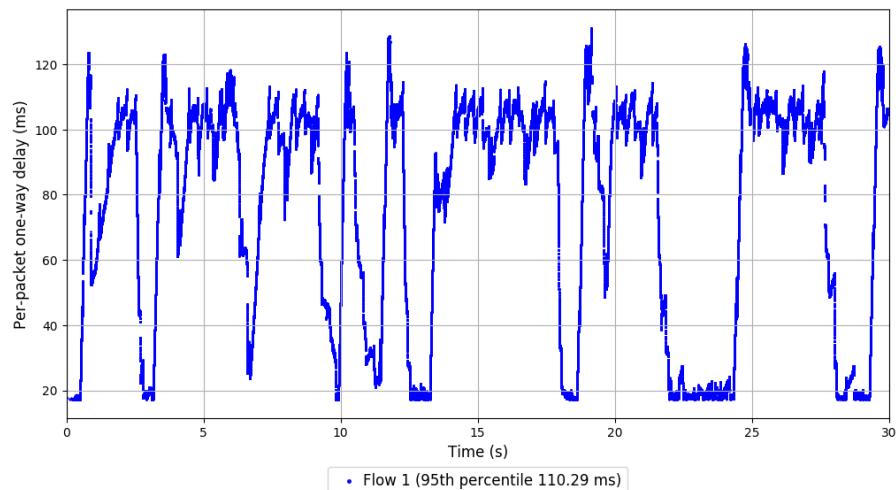
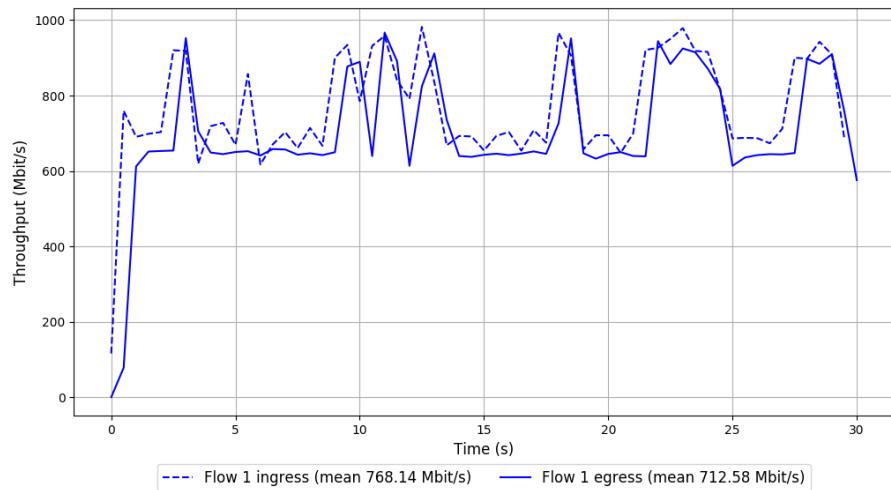


Run 9: Statistics of FillP

```
Start at: 2018-06-29 16:15:16
End at: 2018-06-29 16:15:46
Local clock offset: -0.141 ms
Remote clock offset: -1.884 ms

# Below is generated by plot.py at 2018-06-29 17:58:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 712.58 Mbit/s
95th percentile per-packet one-way delay: 110.293 ms
Loss rate: 7.23%
-- Flow 1:
Average throughput: 712.58 Mbit/s
95th percentile per-packet one-way delay: 110.293 ms
Loss rate: 7.23%
```

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

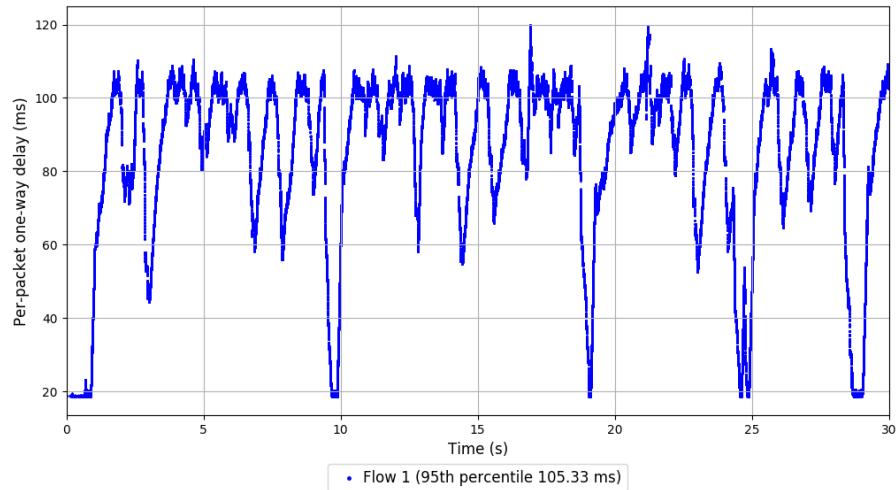
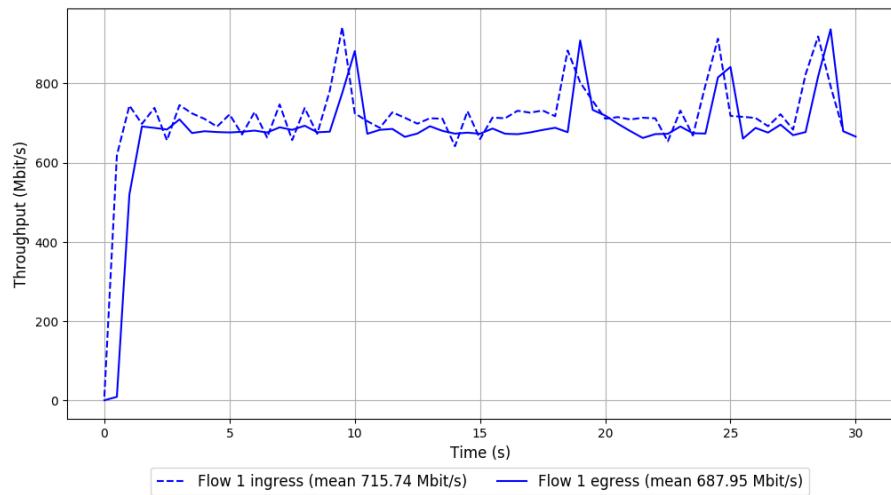


```
Run 10: Statistics of FillP
```

```
Start at: 2018-06-29 16:40:36
End at: 2018-06-29 16:41:06
Local clock offset: 0.019 ms
Remote clock offset: -4.041 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 687.95 Mbit/s
95th percentile per-packet one-way delay: 105.331 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 687.95 Mbit/s
95th percentile per-packet one-way delay: 105.331 ms
Loss rate: 3.88%
```

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

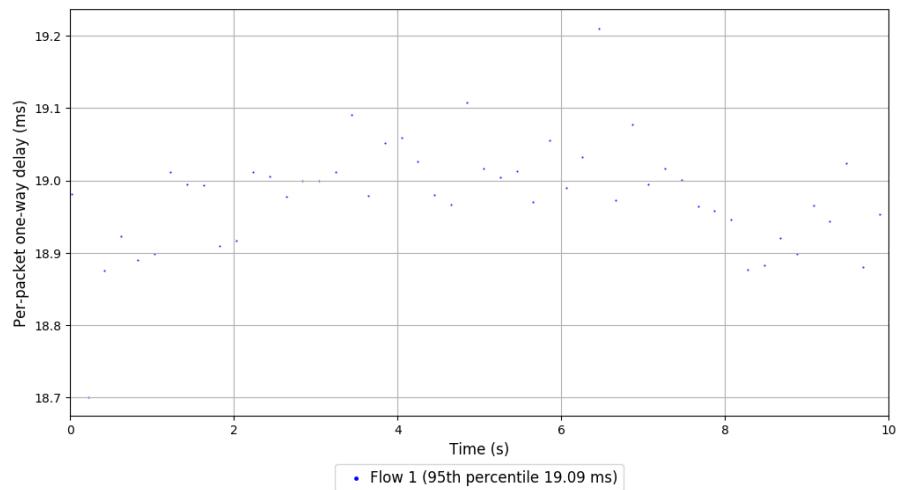
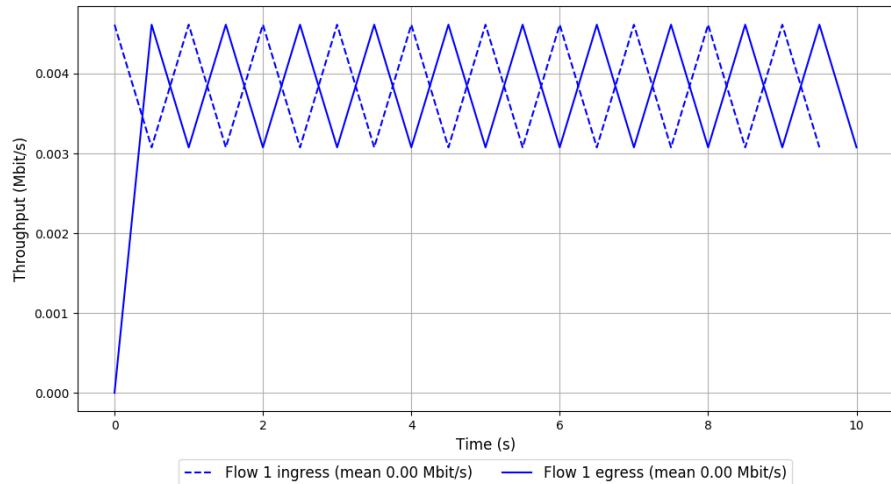
Start at: 2018-06-29 13:09:34

End at: 2018-06-29 13:10:04

Local clock offset: 4.864 ms

Remote clock offset: 4.262 ms

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



Run 2: Statistics of FillP-Sheep

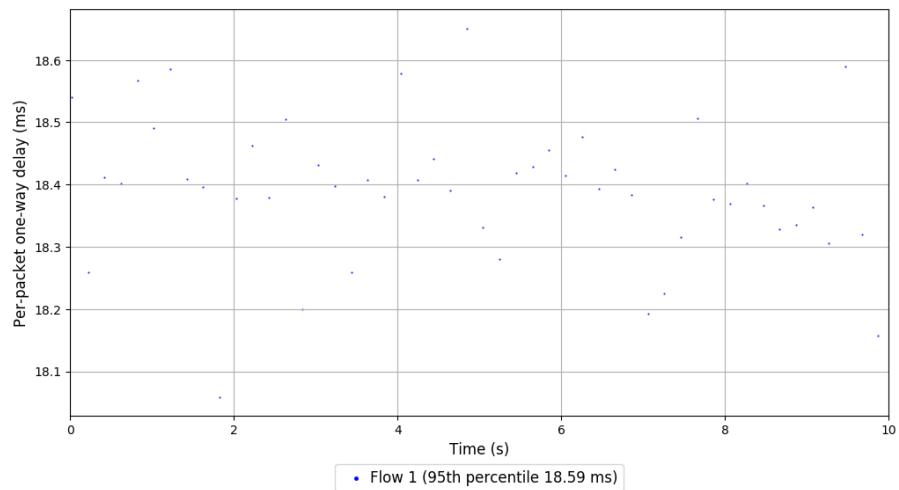
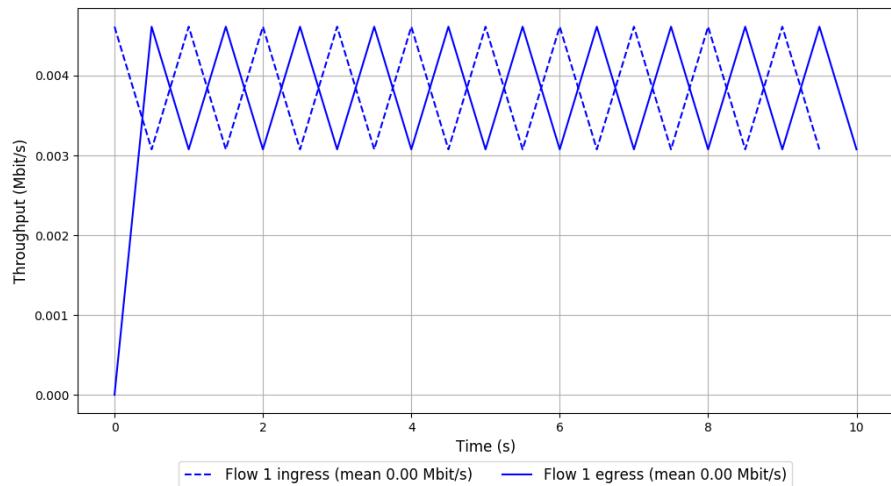
Start at: 2018-06-29 13:34:48

End at: 2018-06-29 13:35:18

Local clock offset: 0.802 ms

Remote clock offset: -2.441 ms

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



Run 3: Statistics of FillP-Sheep

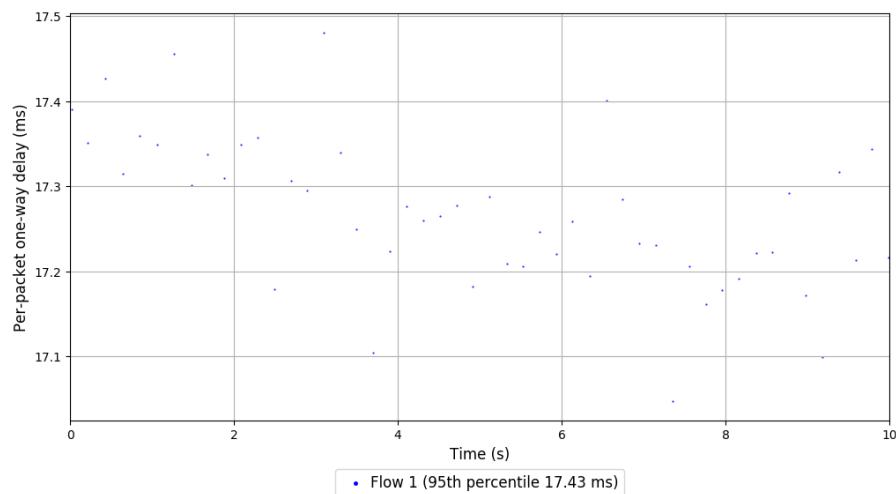
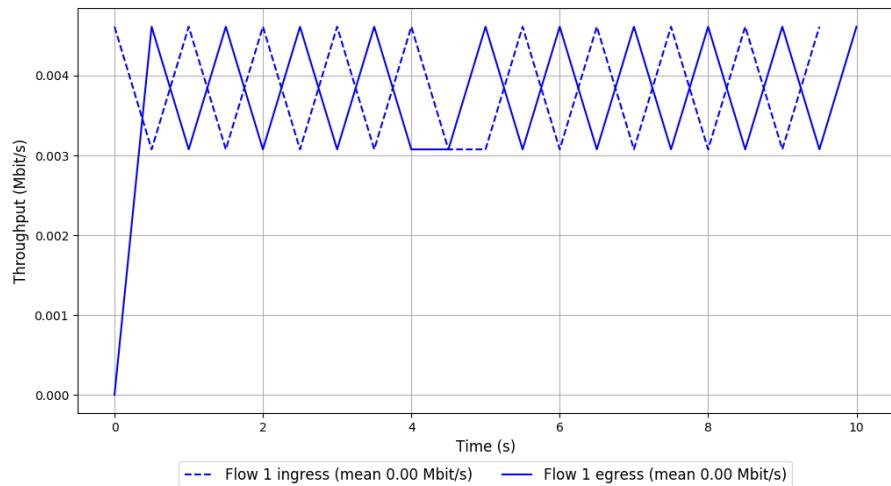
Start at: 2018-06-29 14:00:00

End at: 2018-06-29 14:00:30

Local clock offset: -2.622 ms

Remote clock offset: -1.825 ms

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



Run 4: Statistics of FillP-Sheep

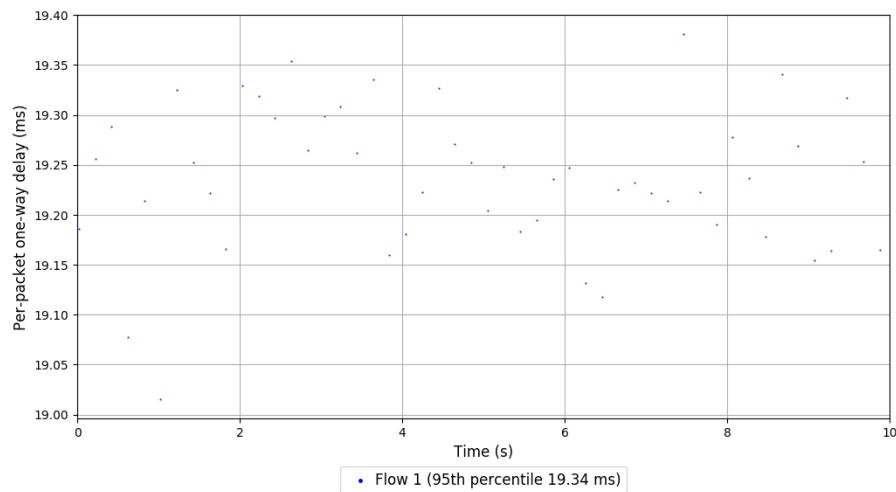
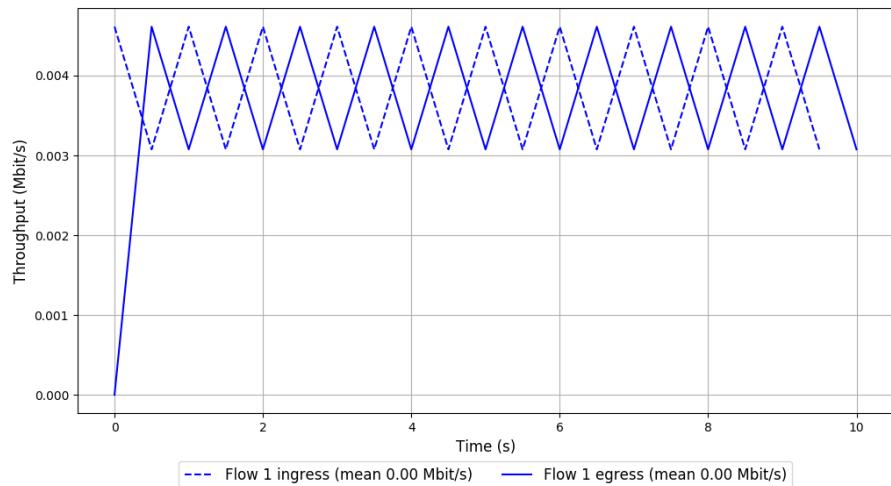
Start at: 2018-06-29 14:25:09

End at: 2018-06-29 14:25:39

Local clock offset: 1.269 ms

Remote clock offset: 0.403 ms

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



Run 5: Statistics of FillP-Sheep

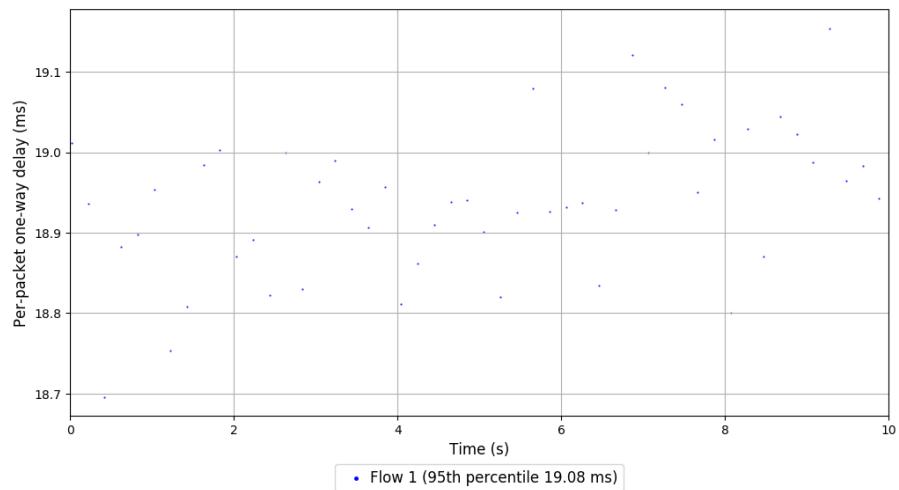
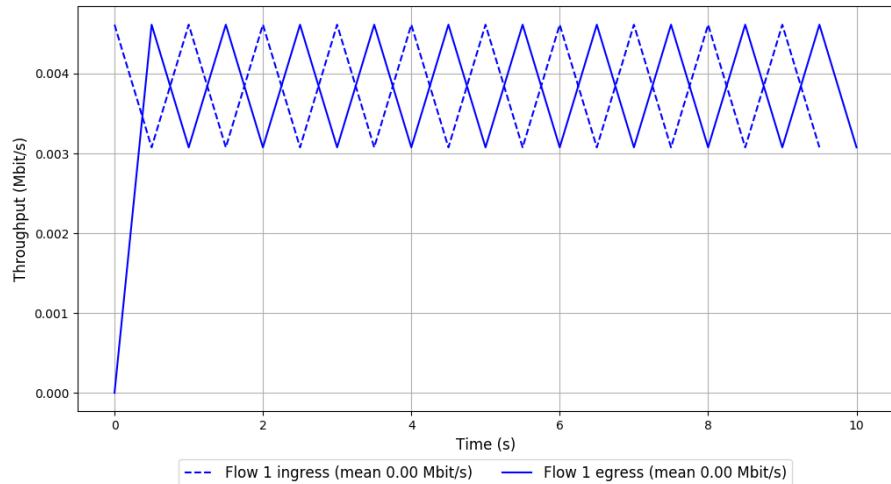
Start at: 2018-06-29 14:50:04

End at: 2018-06-29 14:50:34

Local clock offset: 4.162 ms

Remote clock offset: 3.777 ms

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



Run 6: Statistics of FillP-Sheep

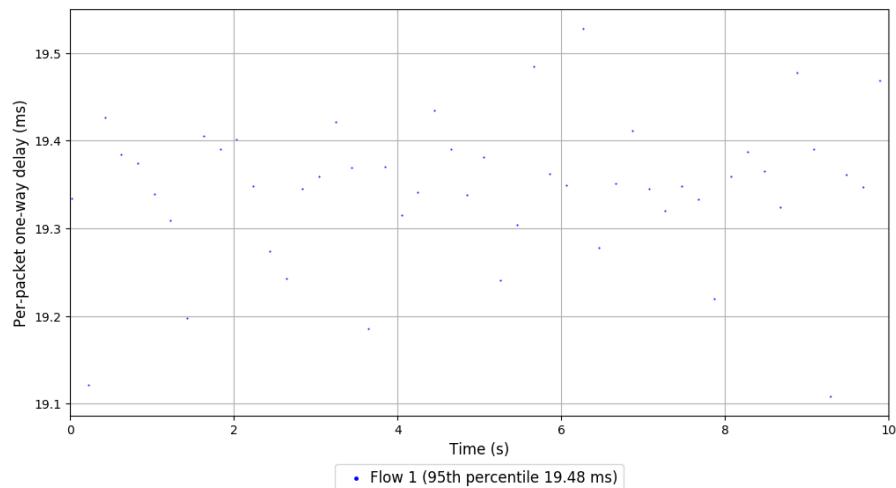
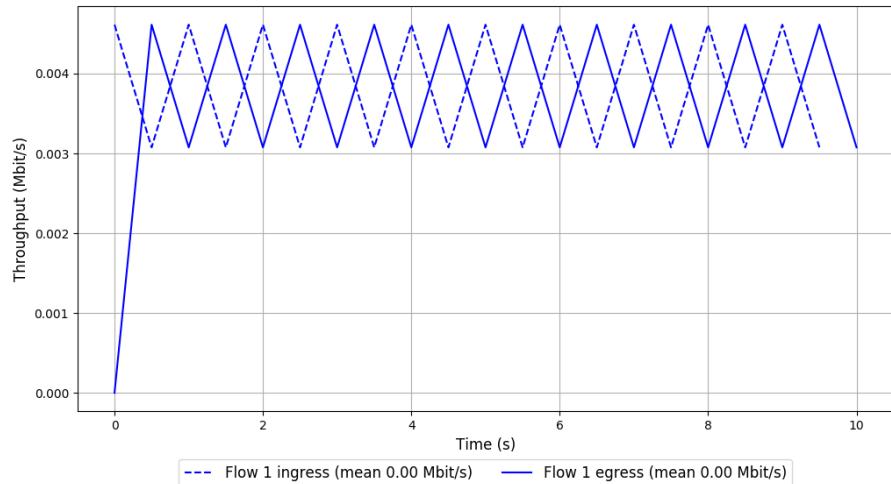
Start at: 2018-06-29 15:15:19

End at: 2018-06-29 15:15:49

Local clock offset: 4.025 ms

Remote clock offset: -3.169 ms

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



Run 7: Statistics of FillP-Sheep

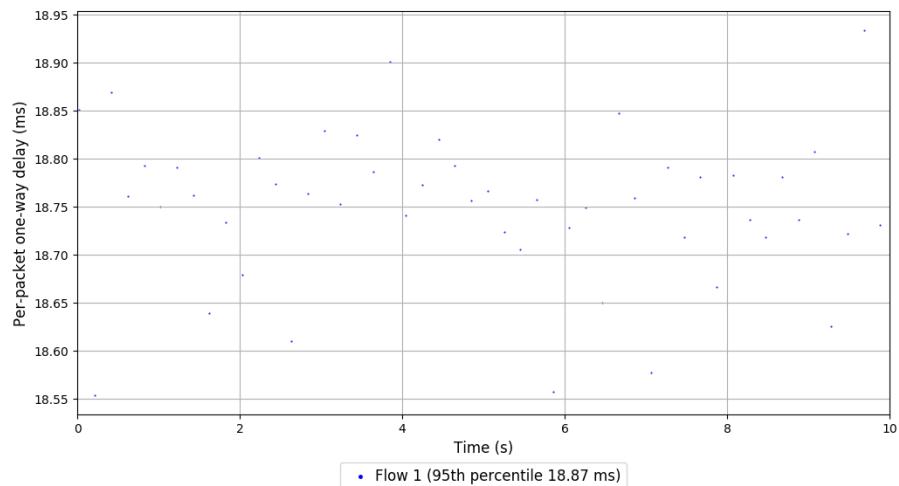
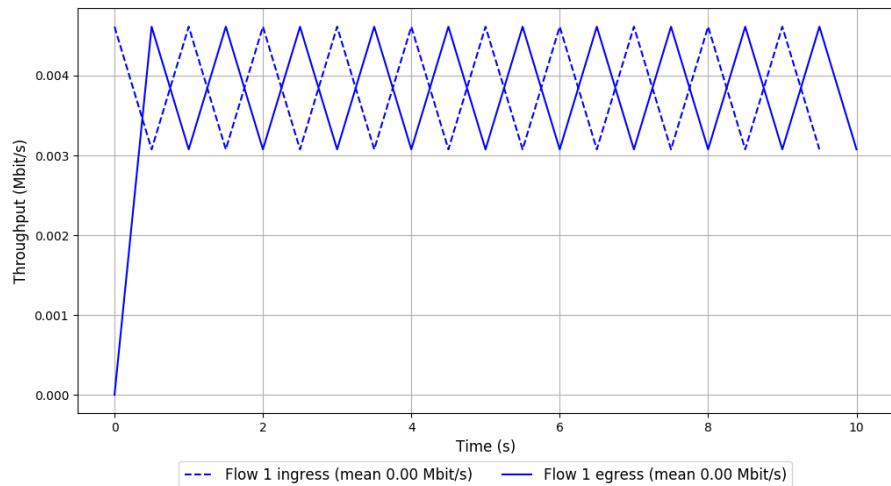
Start at: 2018-06-29 15:40:25

End at: 2018-06-29 15:40:55

Local clock offset: -0.014 ms

Remote clock offset: -3.556 ms

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



Run 8: Statistics of FillP-Sheep

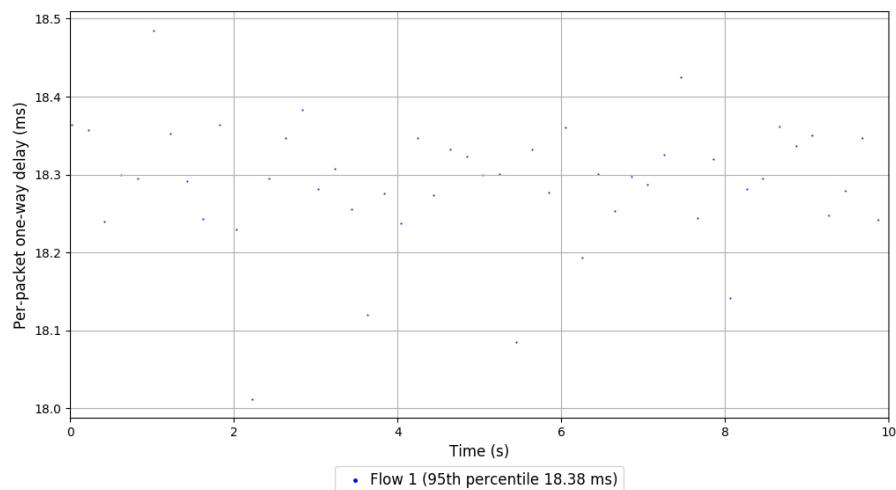
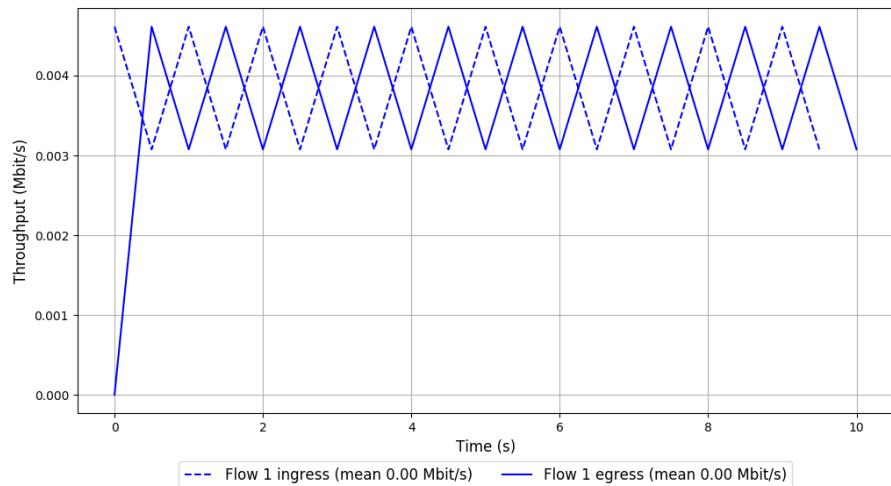
Start at: 2018-06-29 16:05:37

End at: 2018-06-29 16:06:07

Local clock offset: -0.04 ms

Remote clock offset: -0.416 ms

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



Run 9: Statistics of FillP-Sheep

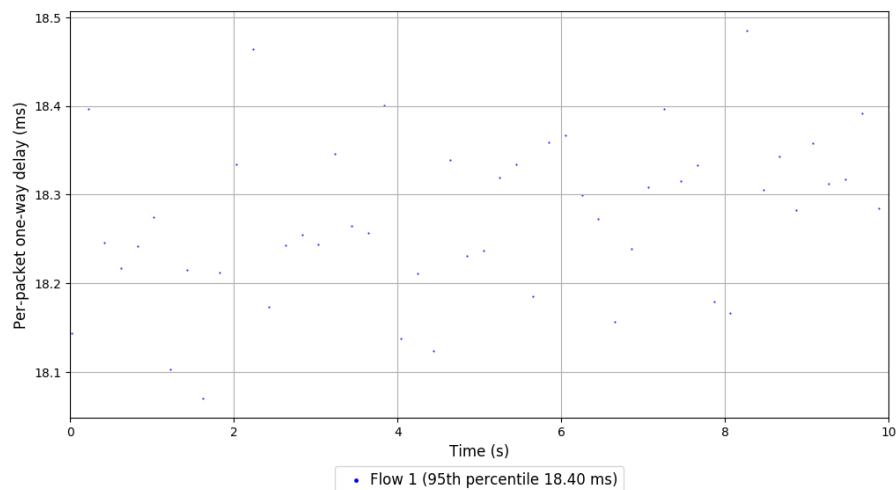
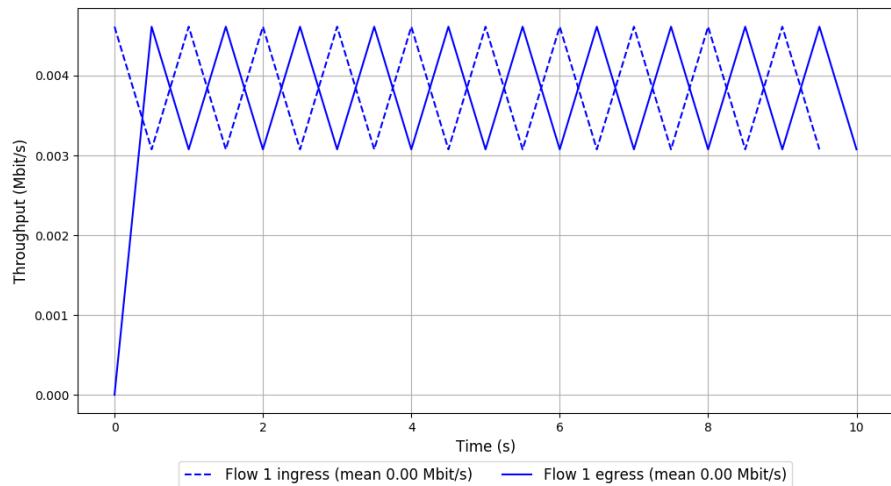
Start at: 2018-06-29 16:30:56

End at: 2018-06-29 16:31:26

Local clock offset: 0.036 ms

Remote clock offset: -3.434 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

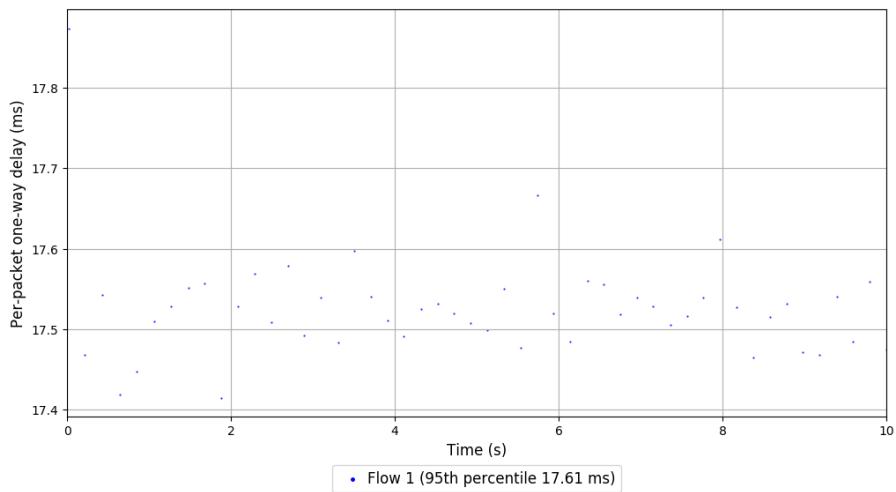
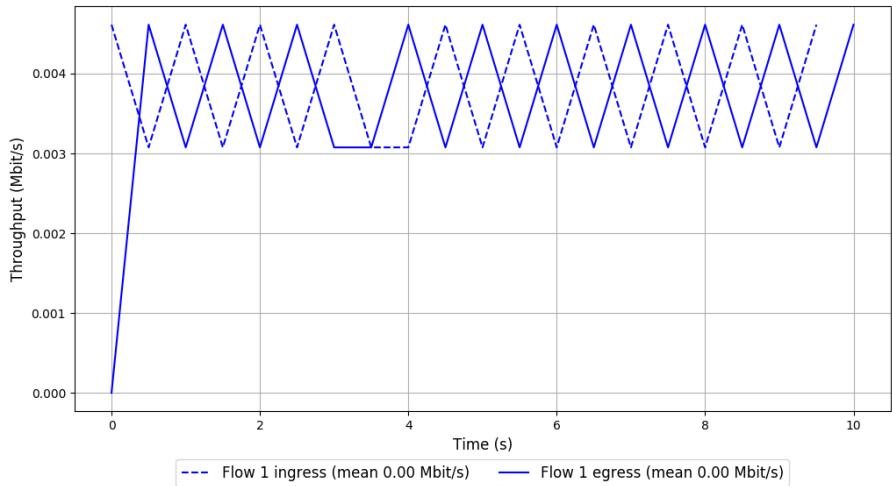
Start at: 2018-06-29 16:56:18

End at: 2018-06-29 16:56:48

Local clock offset: 2.558 ms

Remote clock offset: 2.022 ms

Run 10: Report of FillP-Sheep — Data Link

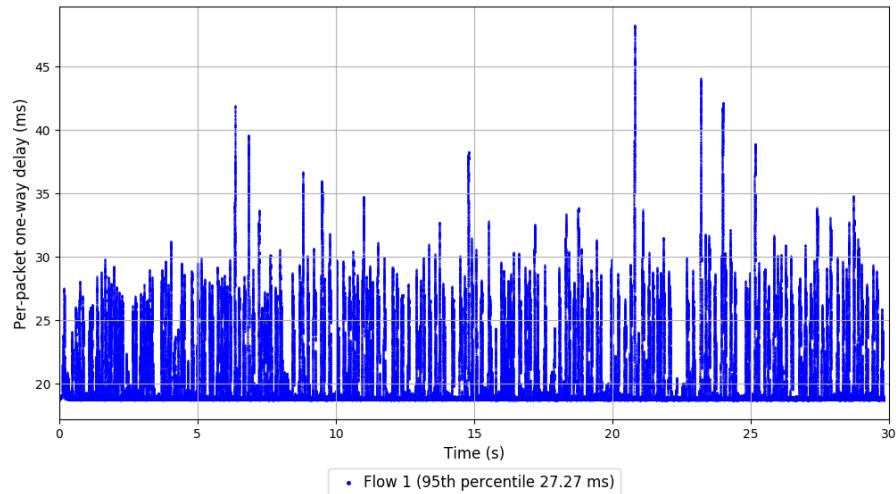
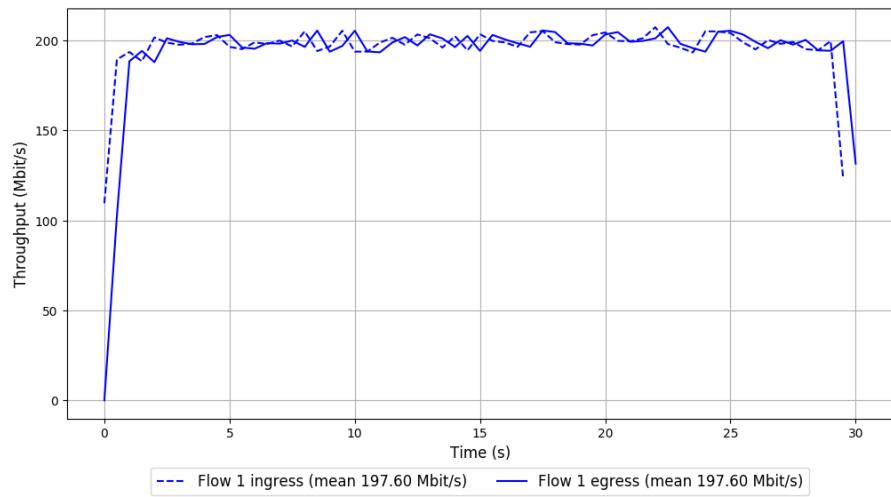


Run 1: Statistics of Indigo

```
Start at: 2018-06-29 13:01:41
End at: 2018-06-29 13:02:11
Local clock offset: 4.086 ms
Remote clock offset: 3.401 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.60 Mbit/s
95th percentile per-packet one-way delay: 27.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.60 Mbit/s
95th percentile per-packet one-way delay: 27.269 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

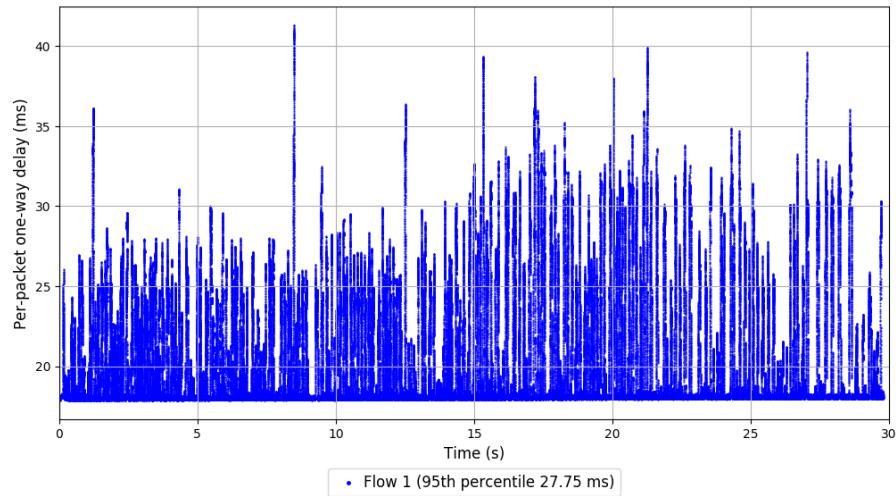
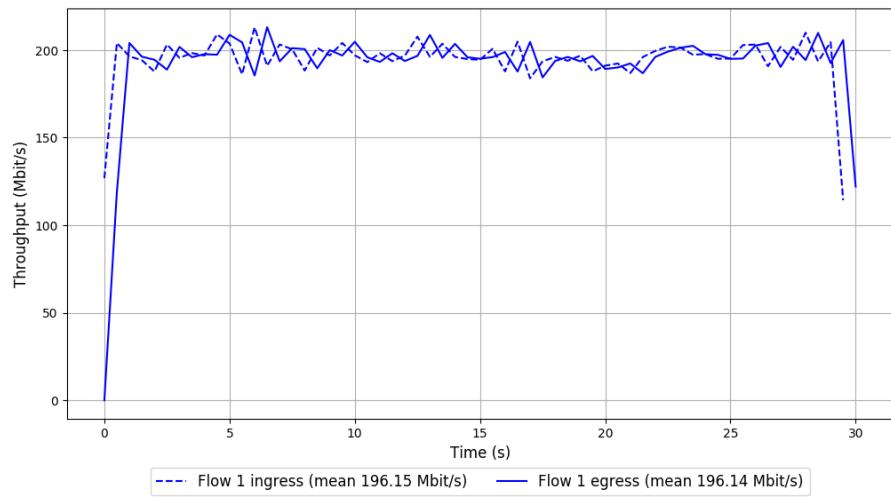


Run 2: Statistics of Indigo

```
Start at: 2018-06-29 13:26:52
End at: 2018-06-29 13:27:22
Local clock offset: 1.744 ms
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.14 Mbit/s
95th percentile per-packet one-way delay: 27.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.14 Mbit/s
95th percentile per-packet one-way delay: 27.746 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

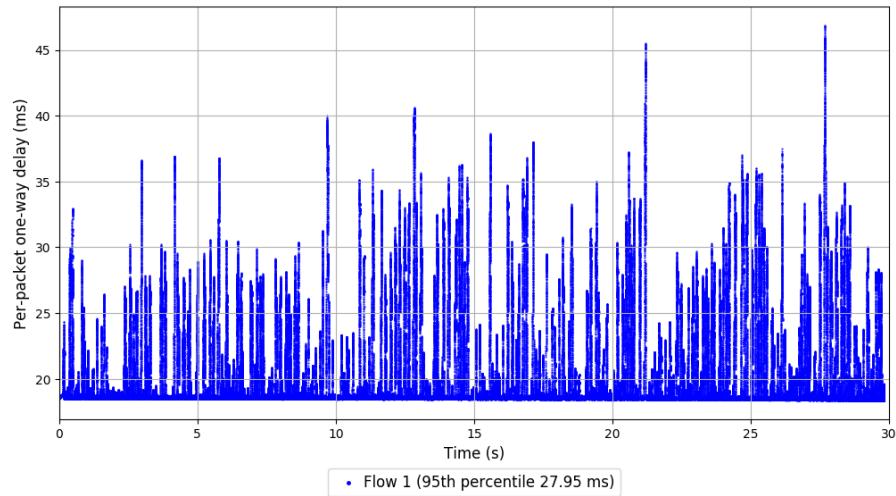
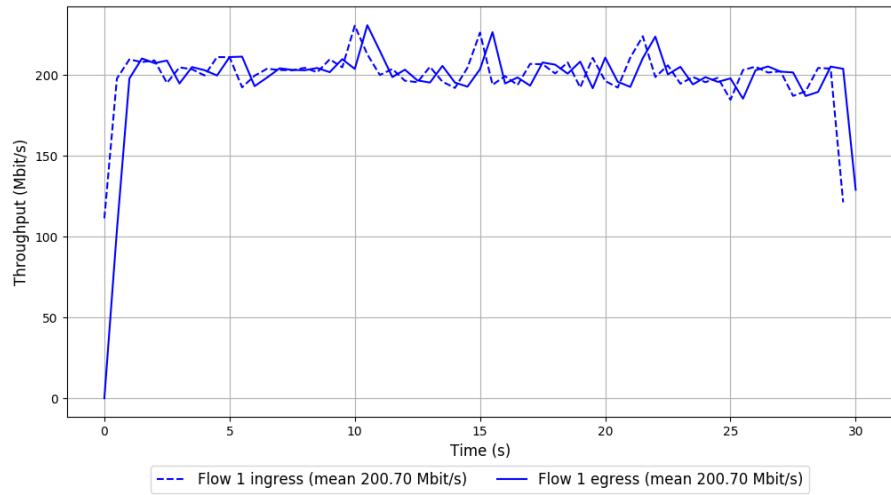


Run 3: Statistics of Indigo

```
Start at: 2018-06-29 13:52:01
End at: 2018-06-29 13:52:31
Local clock offset: -1.351 ms
Remote clock offset: -4.279 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.70 Mbit/s
95th percentile per-packet one-way delay: 27.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.70 Mbit/s
95th percentile per-packet one-way delay: 27.950 ms
Loss rate: 0.00%
```

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

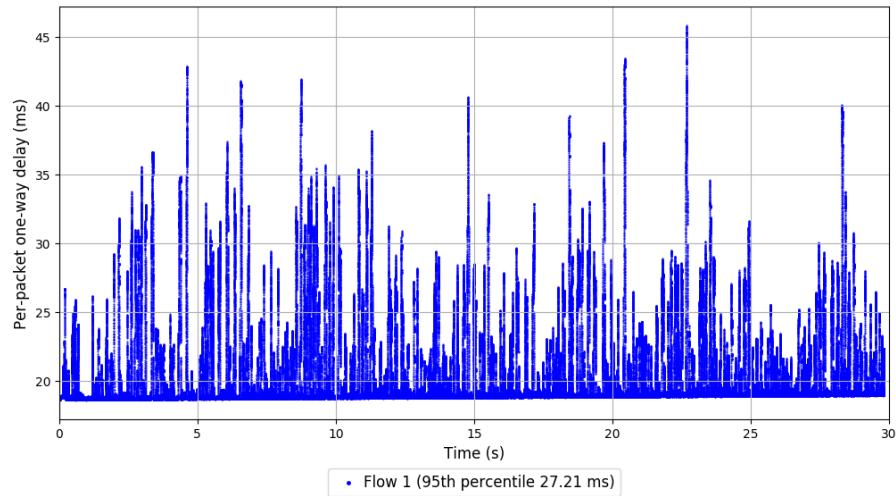
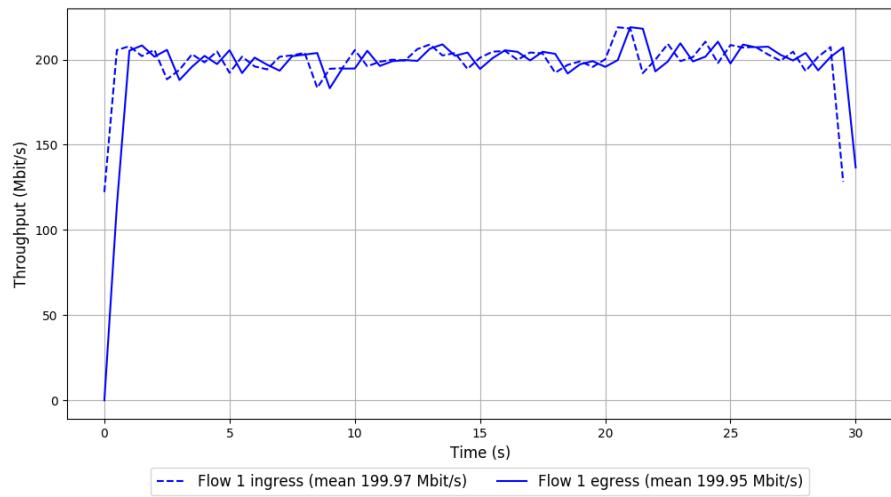


Run 4: Statistics of Indigo

```
Start at: 2018-06-29 14:17:13
End at: 2018-06-29 14:17:44
Local clock offset: -2.968 ms
Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.95 Mbit/s
95th percentile per-packet one-way delay: 27.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.95 Mbit/s
95th percentile per-packet one-way delay: 27.207 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

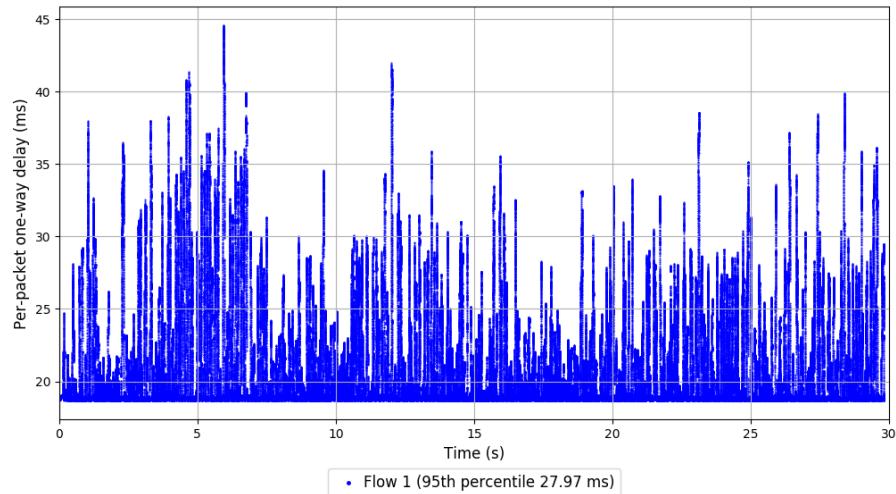
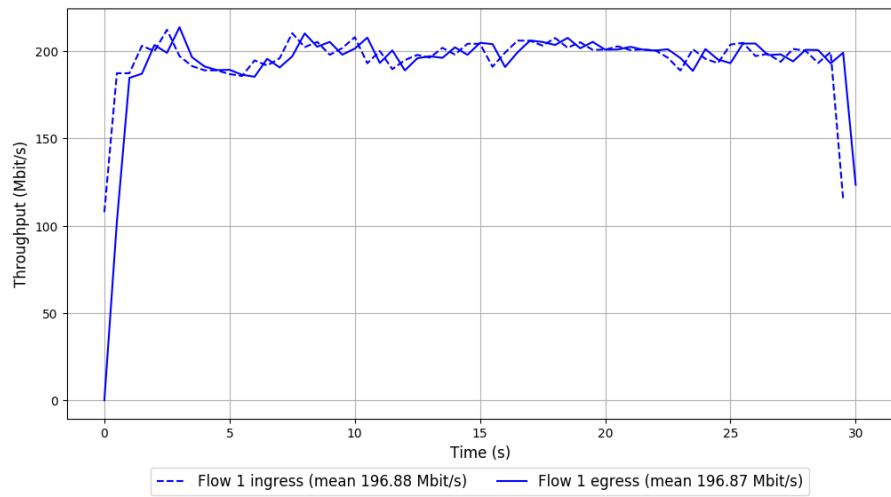


Run 5: Statistics of Indigo

```
Start at: 2018-06-29 14:42:07
End at: 2018-06-29 14:42:38
Local clock offset: 4.366 ms
Remote clock offset: 3.133 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.87 Mbit/s
95th percentile per-packet one-way delay: 27.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.87 Mbit/s
95th percentile per-packet one-way delay: 27.966 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

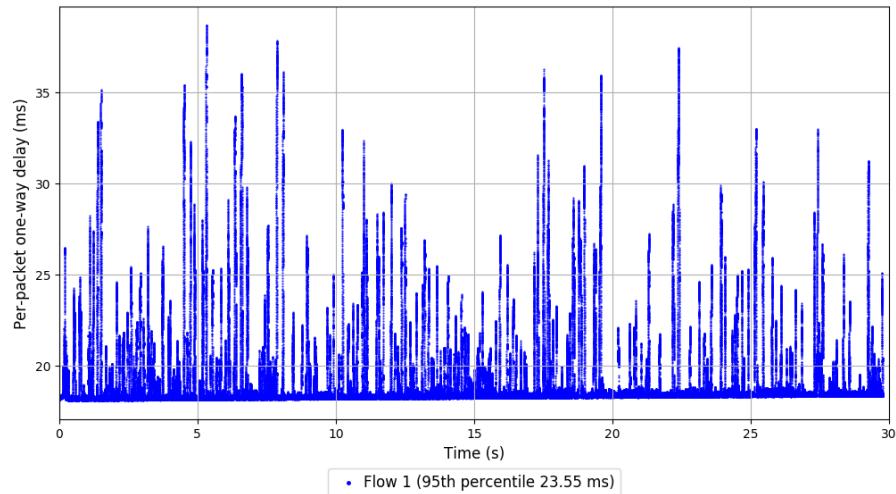
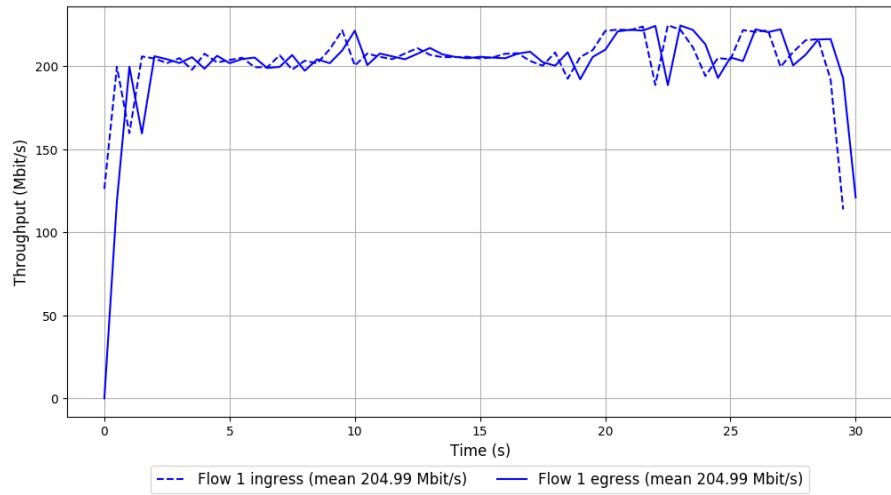


Run 6: Statistics of Indigo

```
Start at: 2018-06-29 15:07:24
End at: 2018-06-29 15:07:54
Local clock offset: 3.975 ms
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.99 Mbit/s
95th percentile per-packet one-way delay: 23.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.99 Mbit/s
95th percentile per-packet one-way delay: 23.552 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

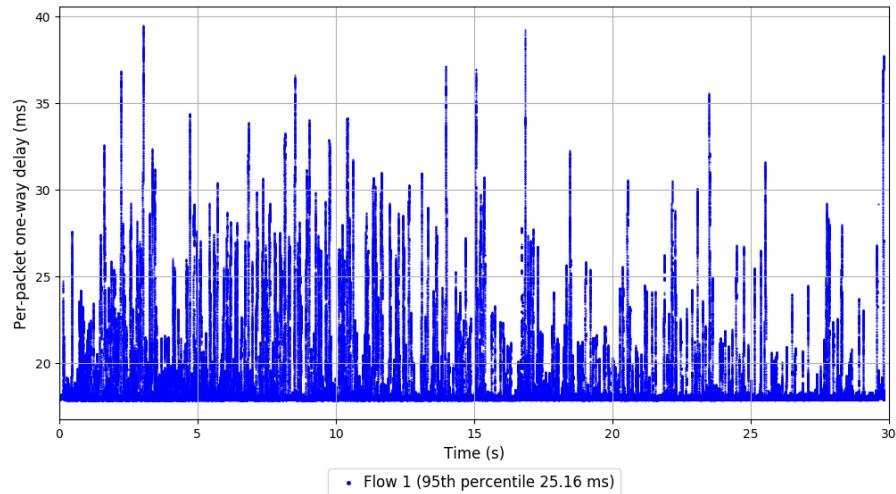
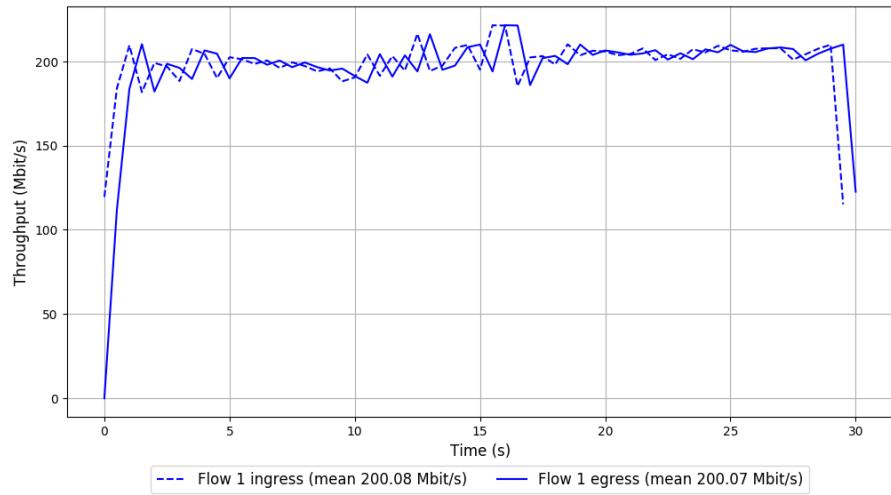


Run 7: Statistics of Indigo

```
Start at: 2018-06-29 15:32:27
End at: 2018-06-29 15:32:57
Local clock offset: 0.504 ms
Remote clock offset: -6.235 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.07 Mbit/s
95th percentile per-packet one-way delay: 25.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.07 Mbit/s
95th percentile per-packet one-way delay: 25.156 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

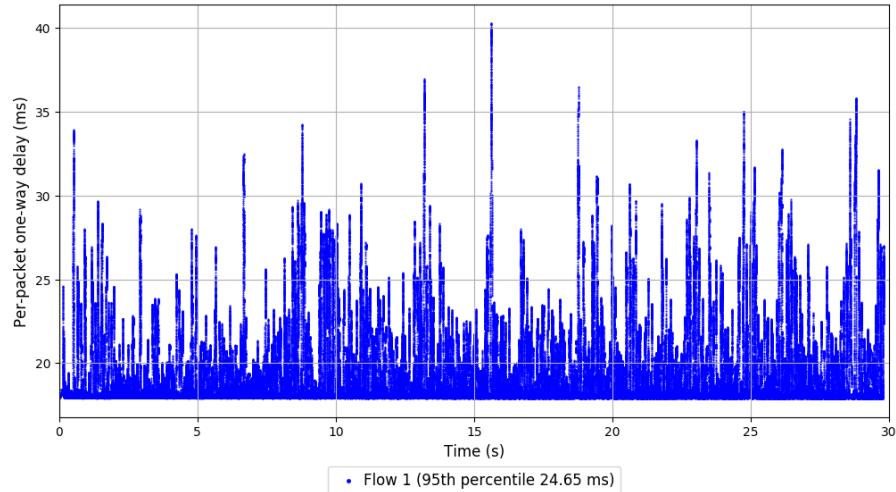
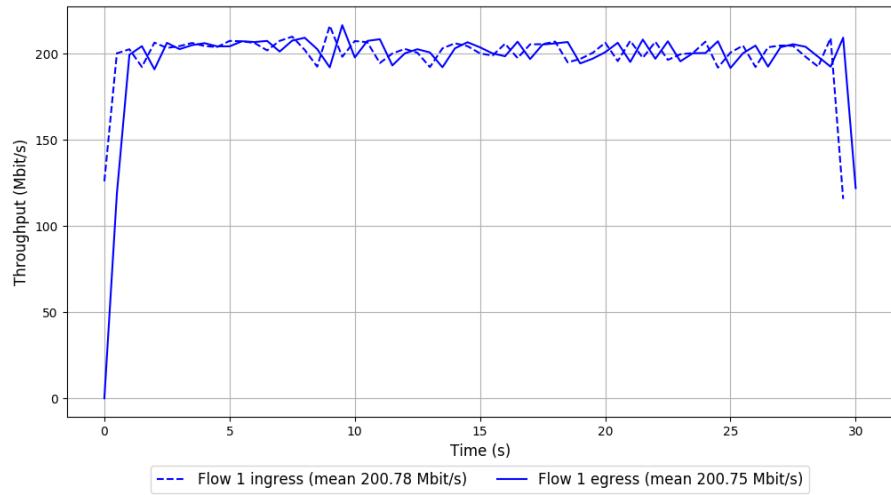


Run 8: Statistics of Indigo

```
Start at: 2018-06-29 15:57:37
End at: 2018-06-29 15:58:07
Local clock offset: 0.019 ms
Remote clock offset: -0.631 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.75 Mbit/s
95th percentile per-packet one-way delay: 24.651 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.75 Mbit/s
95th percentile per-packet one-way delay: 24.651 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo — Data Link

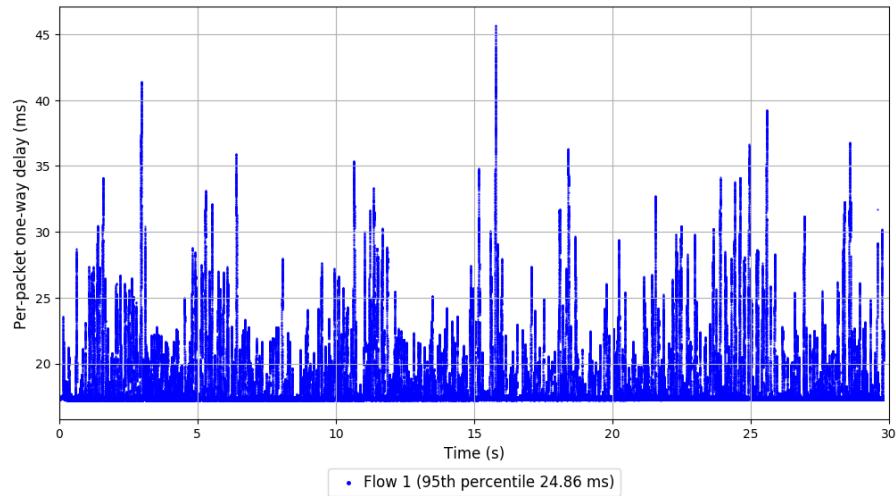
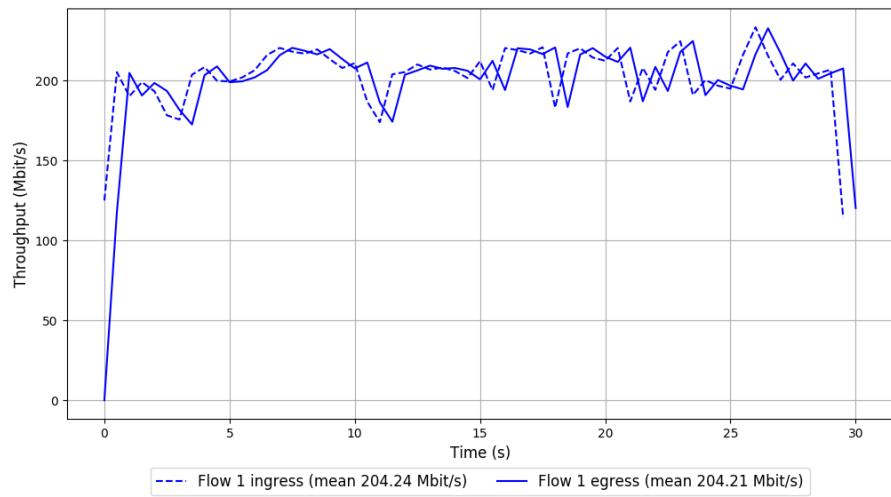


Run 9: Statistics of Indigo

```
Start at: 2018-06-29 16:22:57
End at: 2018-06-29 16:23:27
Local clock offset: -0.061 ms
Remote clock offset: -2.893 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.21 Mbit/s
95th percentile per-packet one-way delay: 24.864 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 204.21 Mbit/s
95th percentile per-packet one-way delay: 24.864 ms
Loss rate: 0.01%
```

## Run 9: Report of Indigo — Data Link

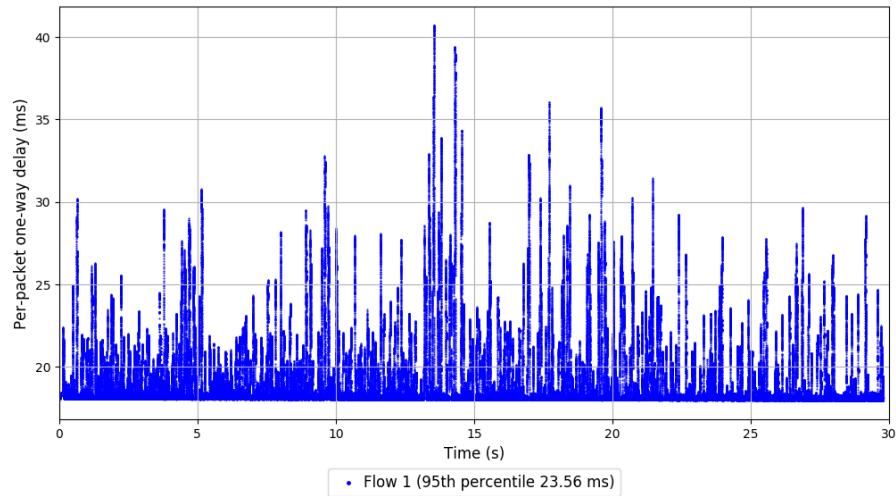
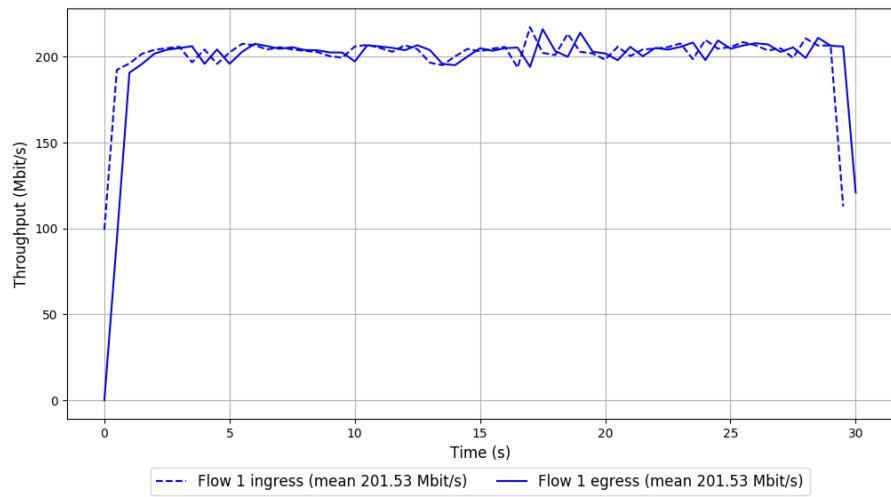


Run 10: Statistics of Indigo

```
Start at: 2018-06-29 16:48:16
End at: 2018-06-29 16:48:46
Local clock offset: 0.798 ms
Remote clock offset: -0.84 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.53 Mbit/s
95th percentile per-packet one-way delay: 23.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.53 Mbit/s
95th percentile per-packet one-way delay: 23.562 ms
Loss rate: 0.00%
```

## Run 10: Report of Indigo — Data Link

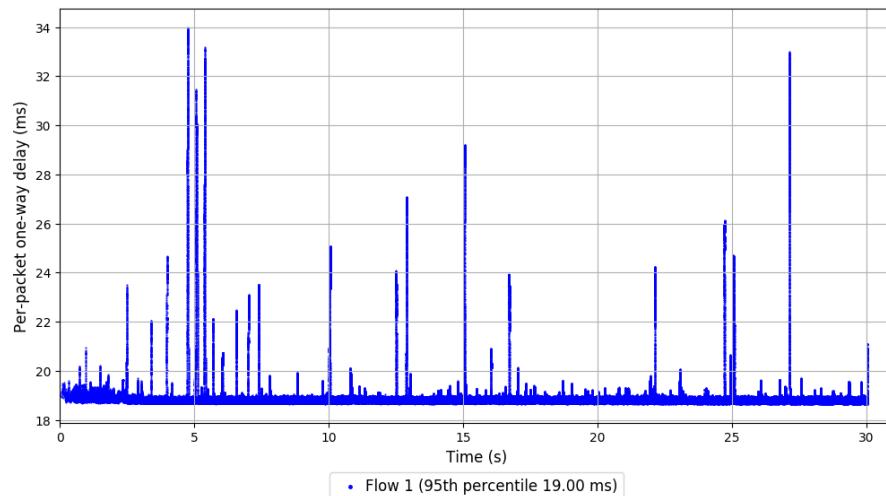
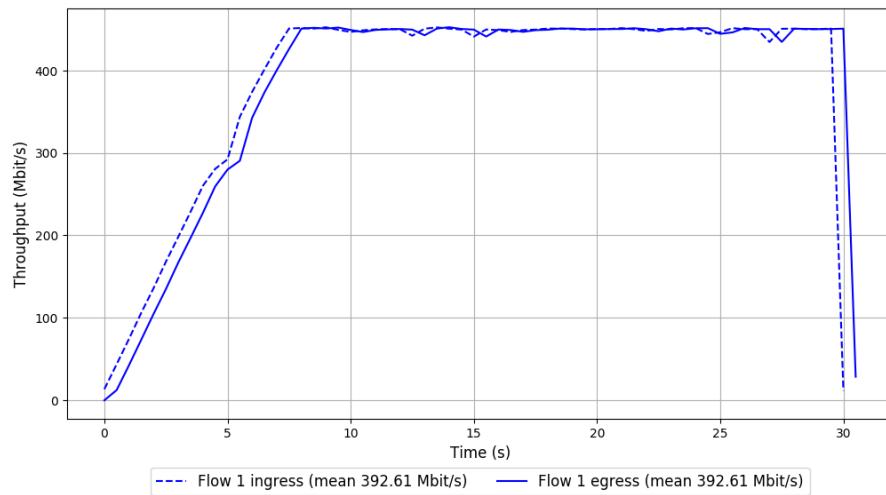


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-29 12:57:21
End at: 2018-06-29 12:57:51
Local clock offset: 3.746 ms
Remote clock offset: 2.833 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 392.61 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 392.61 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

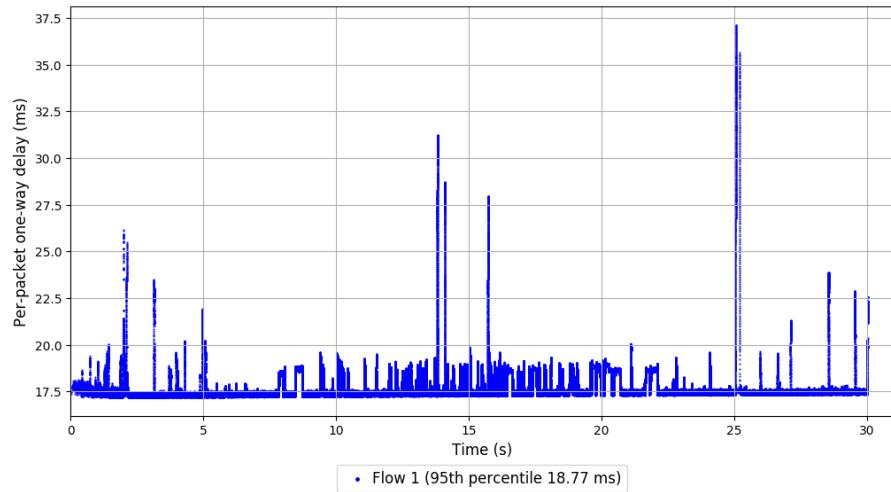
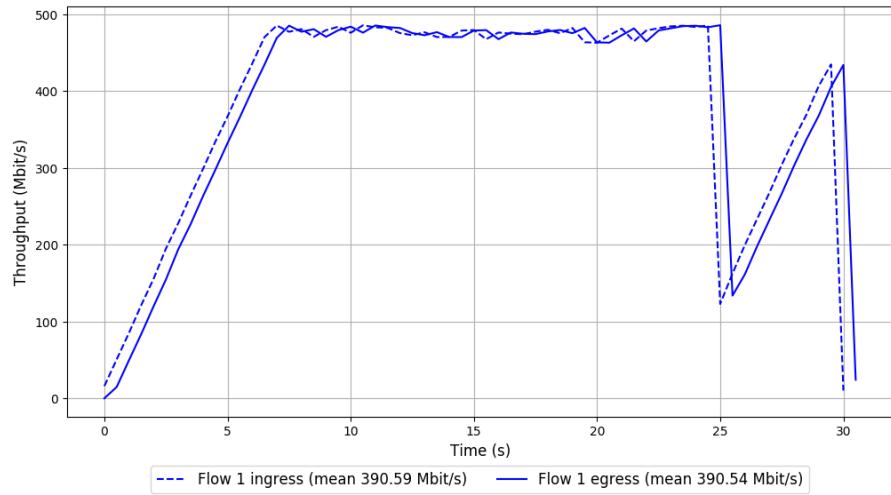


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-29 13:22:29
End at: 2018-06-29 13:23:00
Local clock offset: 2.693 ms
Remote clock offset: 1.874 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 390.54 Mbit/s
95th percentile per-packet one-way delay: 18.774 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 390.54 Mbit/s
95th percentile per-packet one-way delay: 18.774 ms
Loss rate: 0.01%
```

Run 2: Report of LEDBAT — Data Link

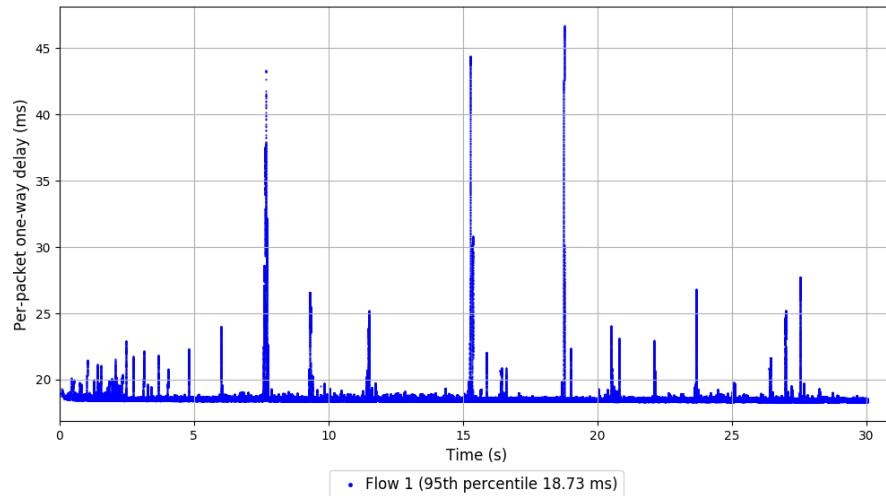
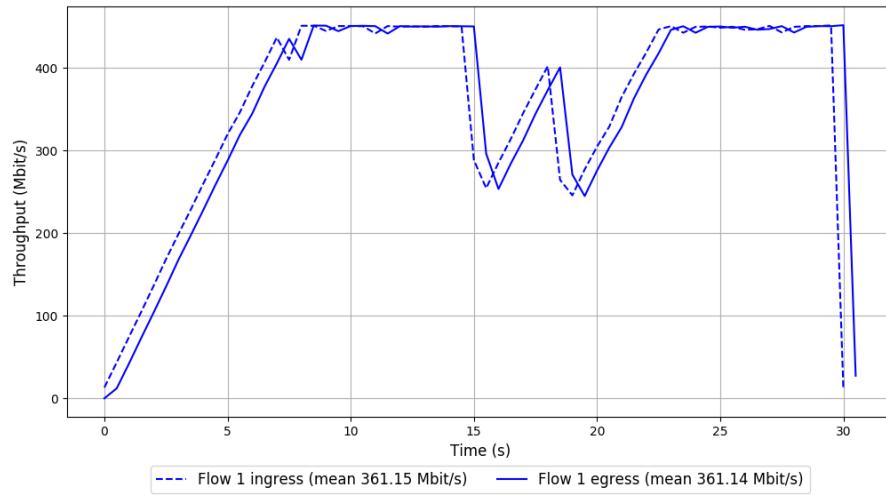


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-29 13:47:36
End at: 2018-06-29 13:48:06
Local clock offset: -0.095 ms
Remote clock offset: -3.953 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.14 Mbit/s
95th percentile per-packet one-way delay: 18.735 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 361.14 Mbit/s
95th percentile per-packet one-way delay: 18.735 ms
Loss rate: 0.01%
```

Run 3: Report of LEDBAT — Data Link

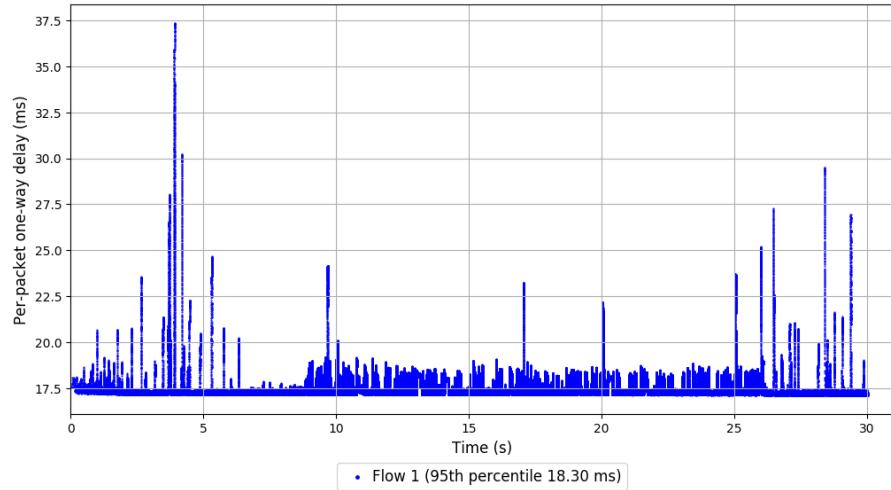
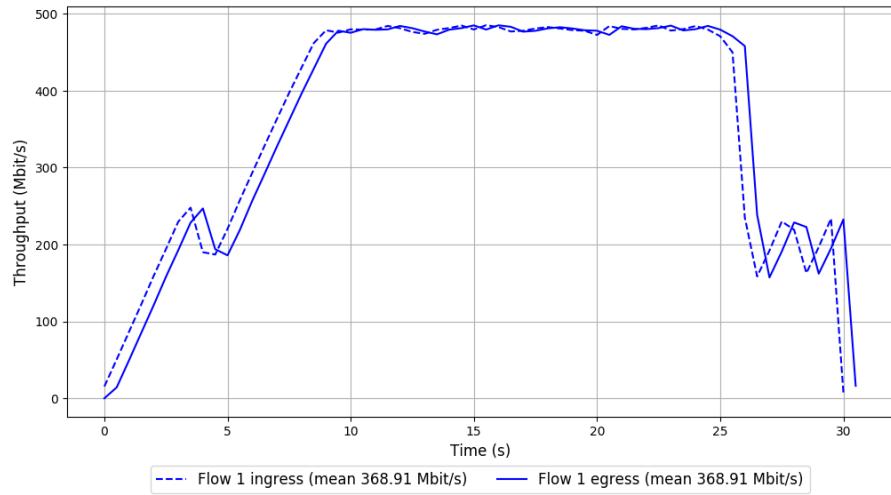


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-29 14:12:52
End at: 2018-06-29 14:13:22
Local clock offset: -3.768 ms
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2018-06-29 17:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.91 Mbit/s
95th percentile per-packet one-way delay: 18.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 368.91 Mbit/s
95th percentile per-packet one-way delay: 18.299 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

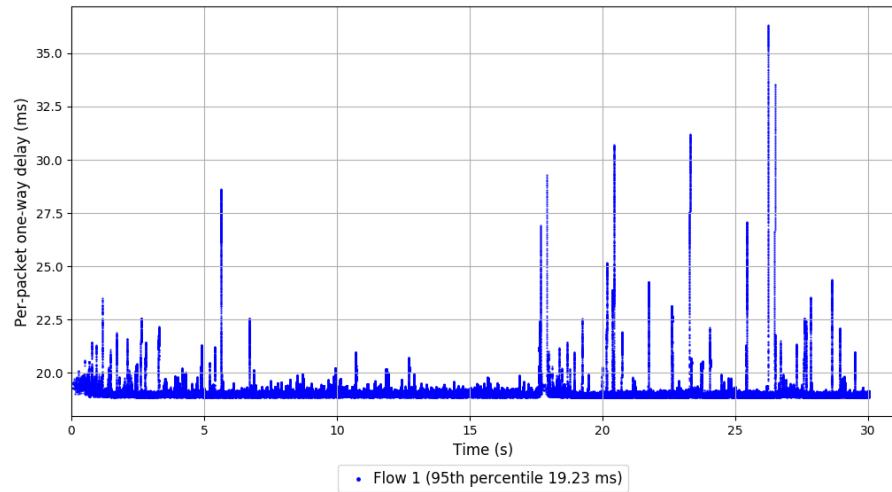
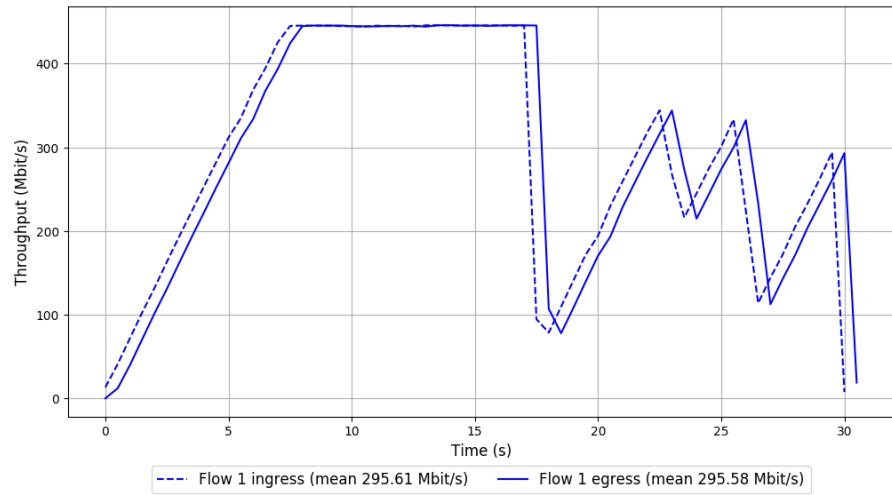


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-29 14:37:51
End at: 2018-06-29 14:38:21
Local clock offset: 3.915 ms
Remote clock offset: 2.599 ms

# Below is generated by plot.py at 2018-06-29 17:58:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 295.58 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 295.58 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

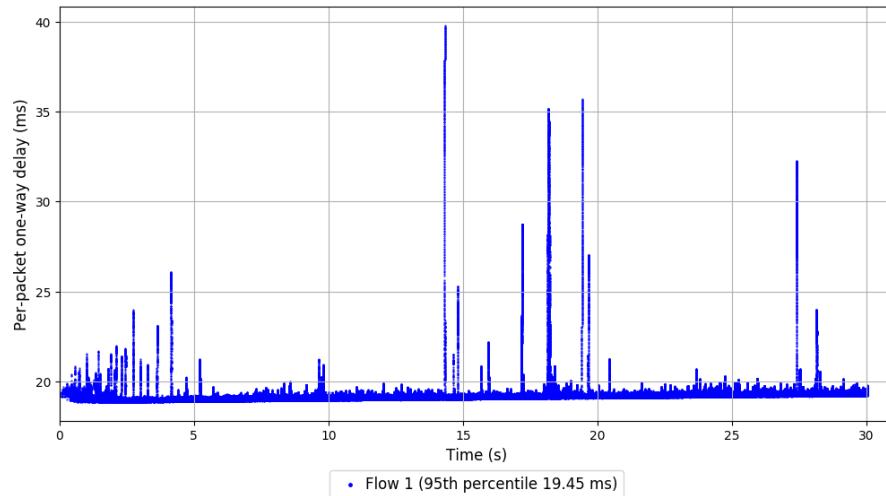
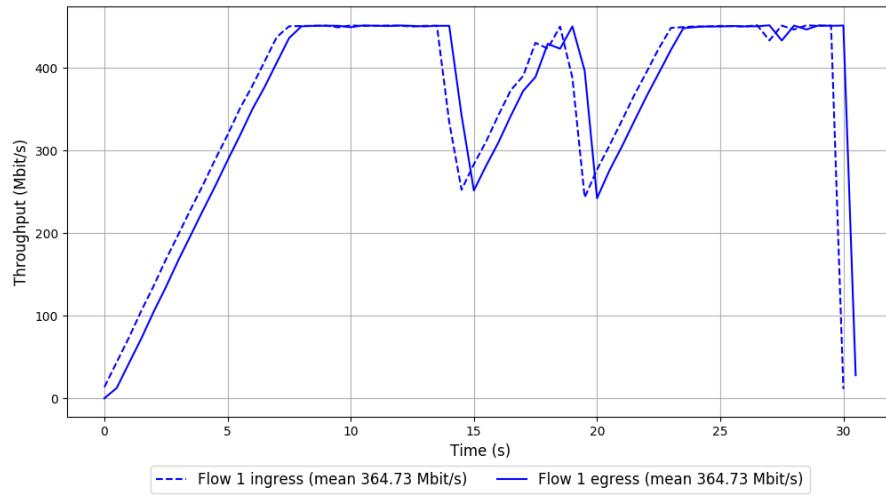


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-29 15:03:01
End at: 2018-06-29 15:03:32
Local clock offset: 3.852 ms
Remote clock offset: 2.532 ms

# Below is generated by plot.py at 2018-06-29 17:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 364.73 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 364.73 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

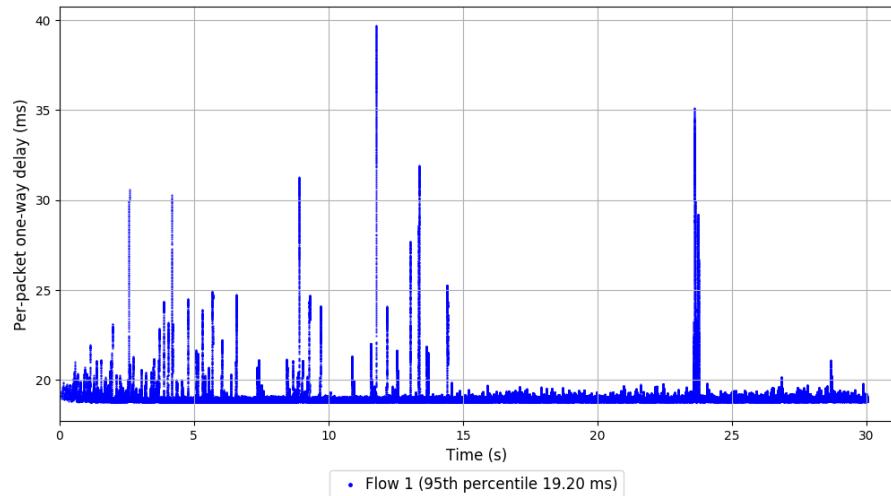
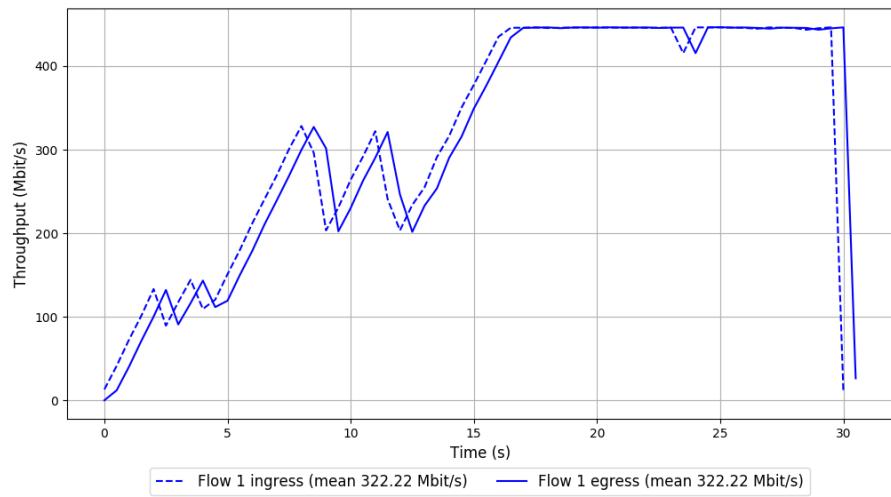


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-29 15:28:08
End at: 2018-06-29 15:28:38
Local clock offset: 0.962 ms
Remote clock offset: -5.651 ms

# Below is generated by plot.py at 2018-06-29 18:01:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.22 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 322.22 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.01%
```

Run 7: Report of LEDBAT — Data Link

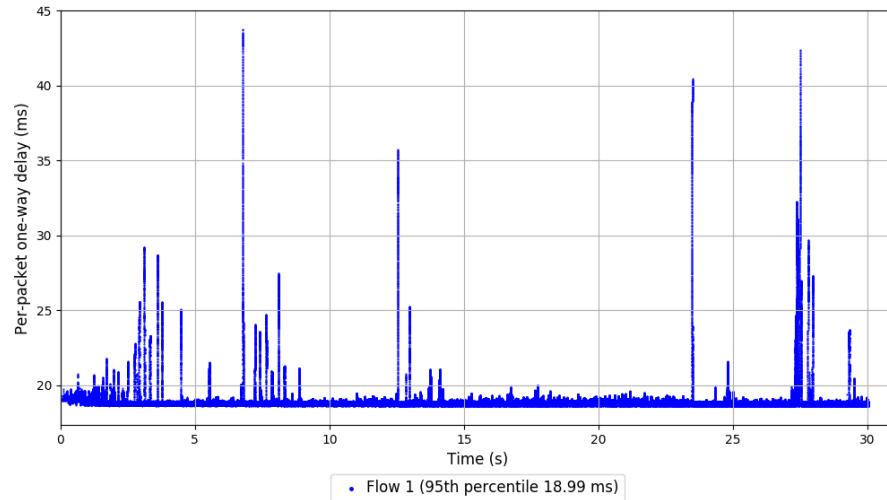
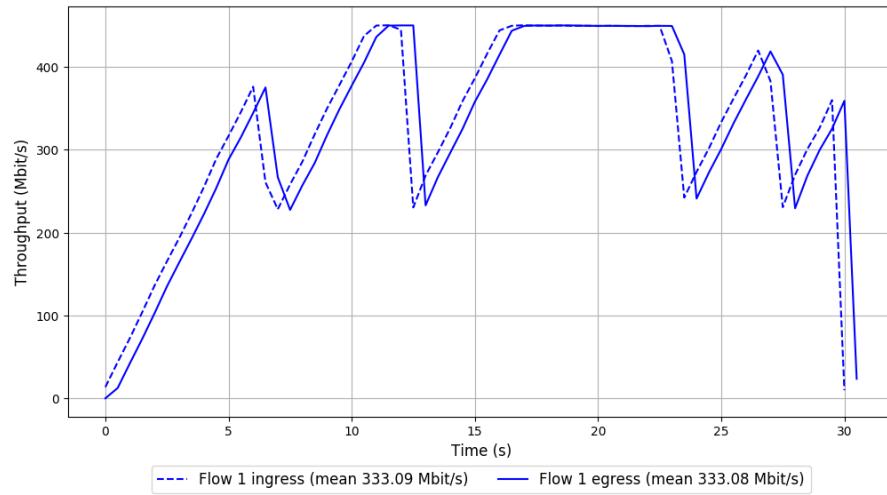


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-29 15:53:16
End at: 2018-06-29 15:53:46
Local clock offset: -0.016 ms
Remote clock offset: -0.907 ms

# Below is generated by plot.py at 2018-06-29 18:01:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.08 Mbit/s
95th percentile per-packet one-way delay: 18.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 333.08 Mbit/s
95th percentile per-packet one-way delay: 18.986 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

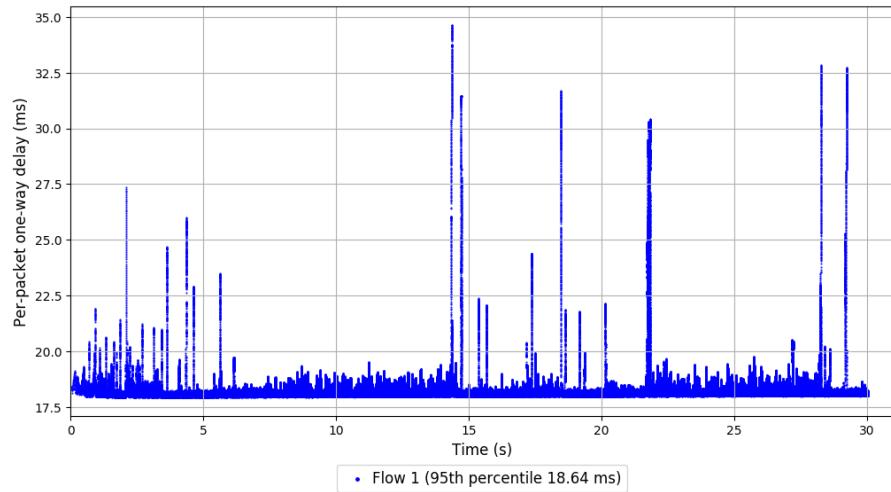
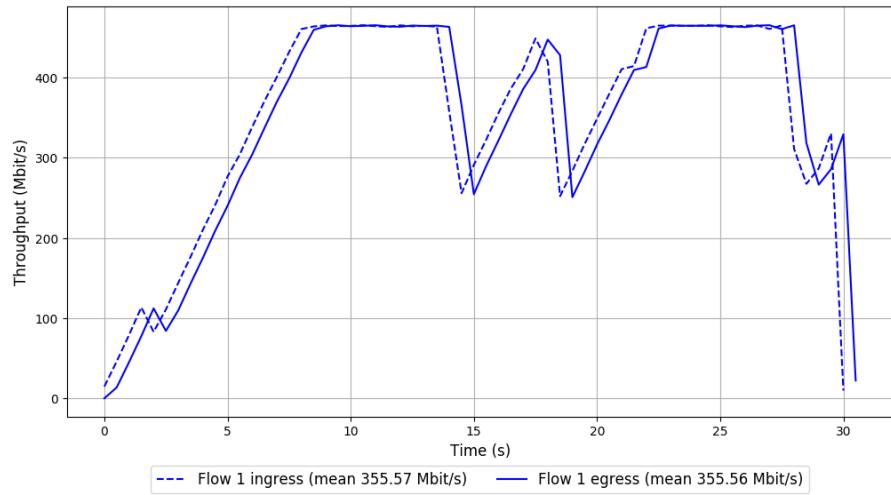


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-29 16:18:34
End at: 2018-06-29 16:19:04
Local clock offset: -0.099 ms
Remote clock offset: -2.416 ms

# Below is generated by plot.py at 2018-06-29 18:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.56 Mbit/s
95th percentile per-packet one-way delay: 18.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 355.56 Mbit/s
95th percentile per-packet one-way delay: 18.638 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

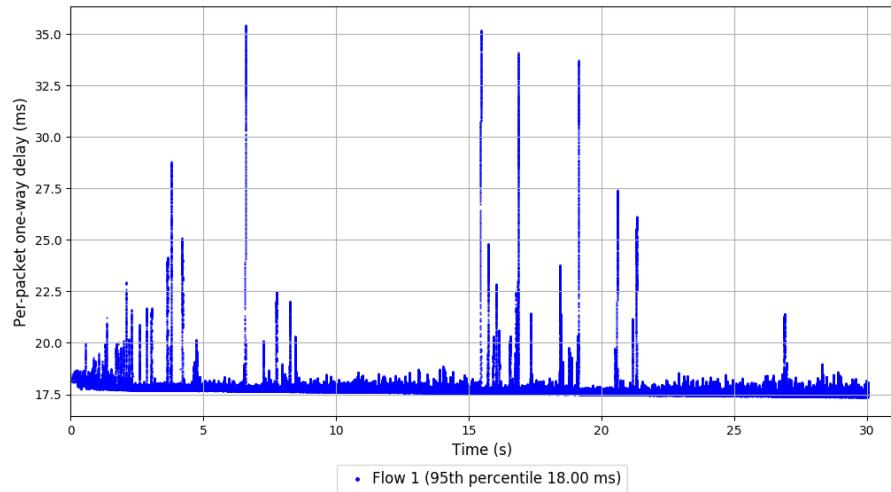
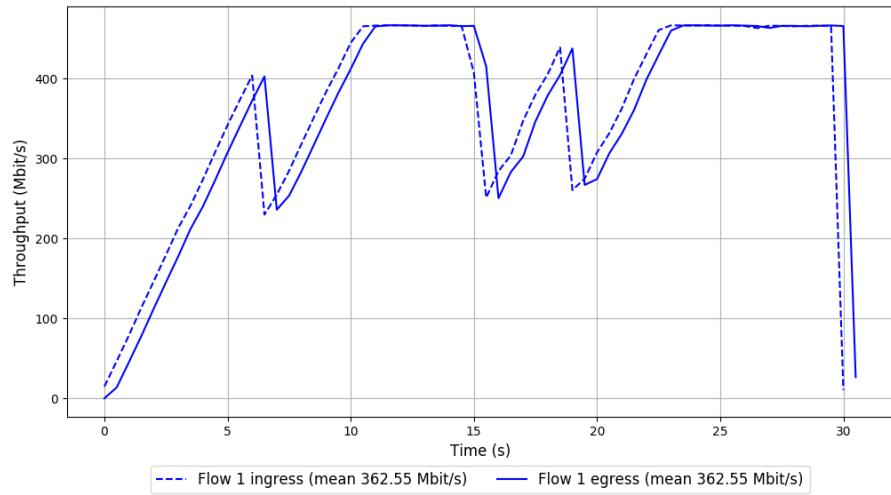


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-29 16:43:52
End at: 2018-06-29 16:44:22
Local clock offset: 0.028 ms
Remote clock offset: -3.651 ms

# Below is generated by plot.py at 2018-06-29 18:02:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 362.55 Mbit/s
95th percentile per-packet one-way delay: 18.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 362.55 Mbit/s
95th percentile per-packet one-way delay: 18.004 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

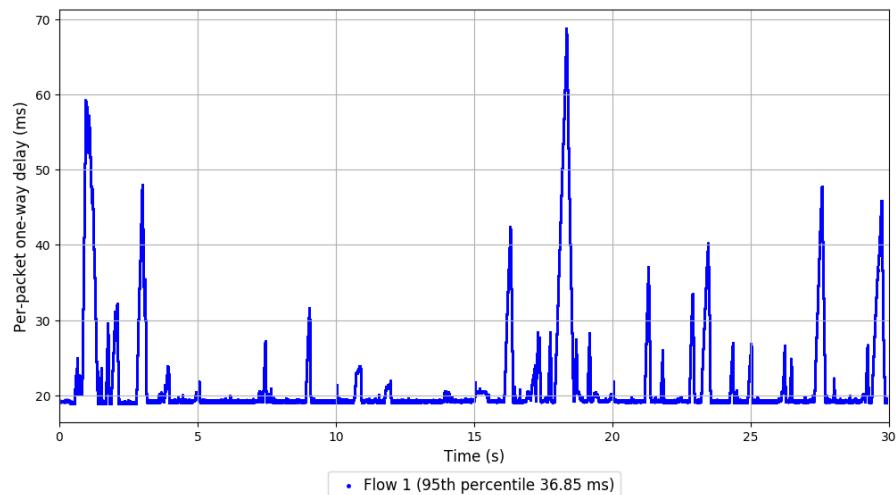
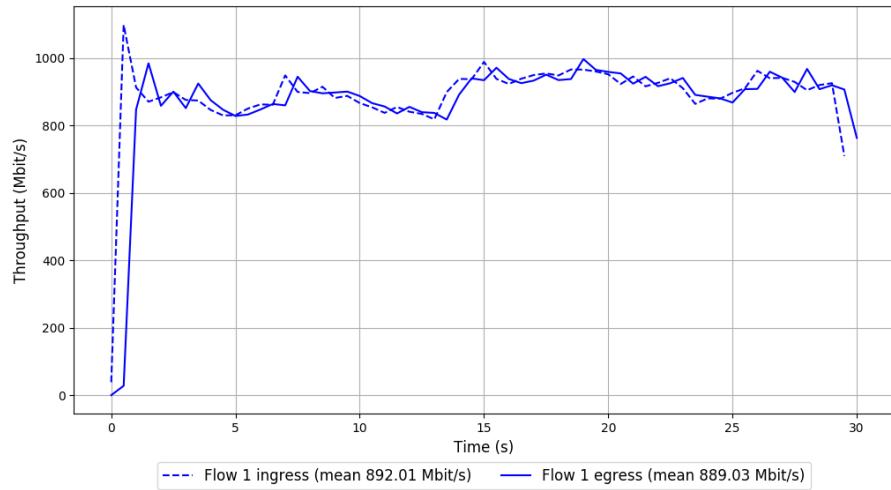


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-29 13:07:56
End at: 2018-06-29 13:08:26
Local clock offset: 4.702 ms
Remote clock offset: 4.131 ms

# Below is generated by plot.py at 2018-06-29 18:08:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 889.03 Mbit/s
95th percentile per-packet one-way delay: 36.851 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 889.03 Mbit/s
95th percentile per-packet one-way delay: 36.851 ms
Loss rate: 0.34%
```

Run 1: Report of PCC-Allegro — Data Link

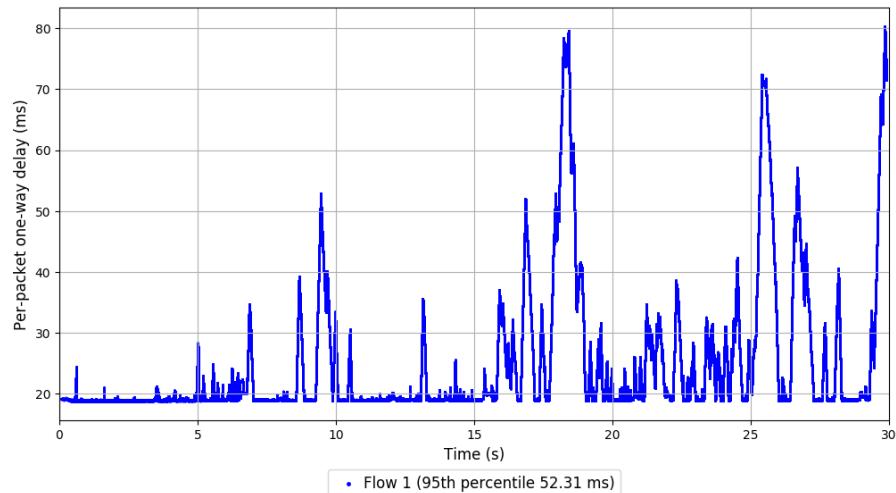
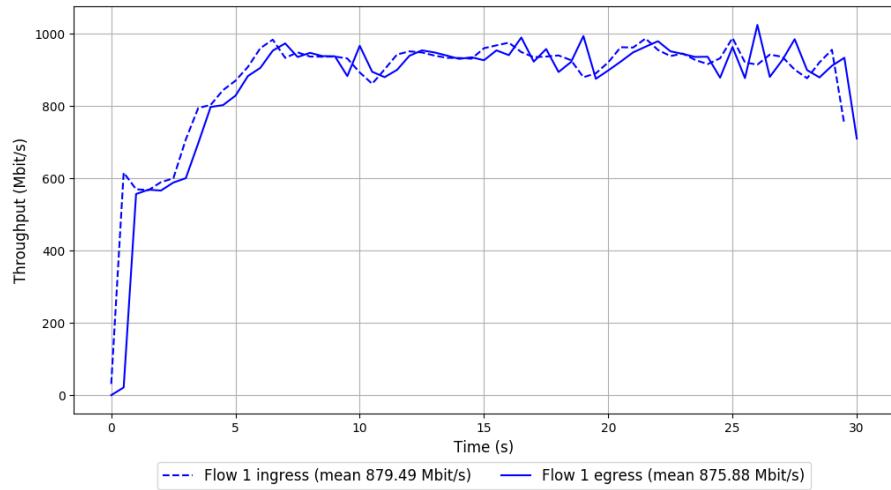


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-29 13:33:10
End at: 2018-06-29 13:33:40
Local clock offset: 0.914 ms
Remote clock offset: -2.093 ms

# Below is generated by plot.py at 2018-06-29 18:08:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 875.88 Mbit/s
95th percentile per-packet one-way delay: 52.312 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 875.88 Mbit/s
95th percentile per-packet one-way delay: 52.312 ms
Loss rate: 0.41%
```

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

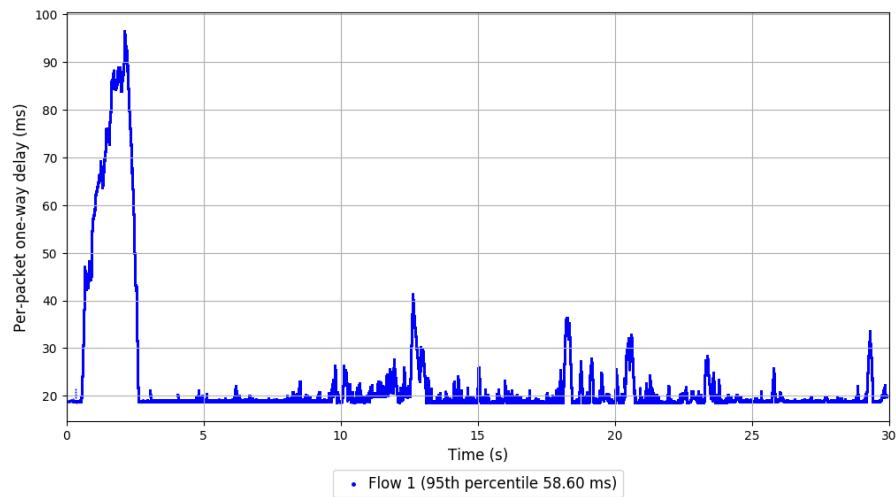
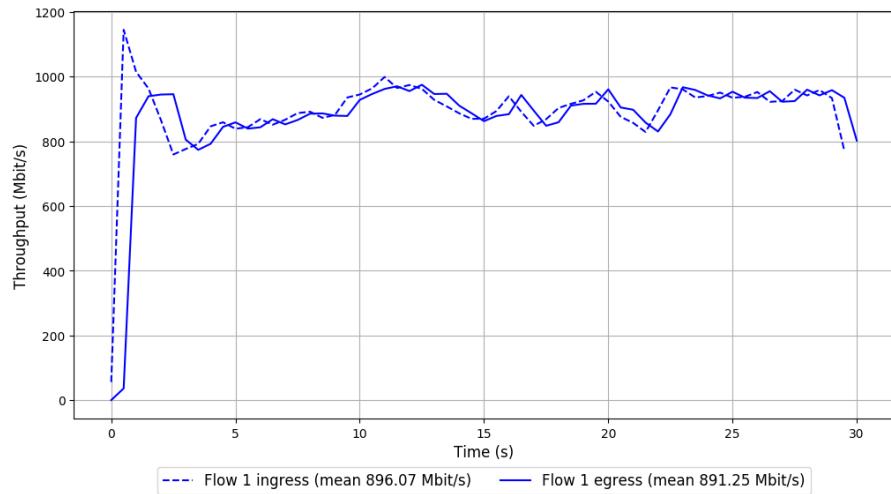


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-29 13:58:22
End at: 2018-06-29 13:58:52
Local clock offset: -2.511 ms
Remote clock offset: -2.032 ms

# Below is generated by plot.py at 2018-06-29 18:08:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 891.25 Mbit/s
95th percentile per-packet one-way delay: 58.603 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 891.25 Mbit/s
95th percentile per-packet one-way delay: 58.603 ms
Loss rate: 0.54%
```

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

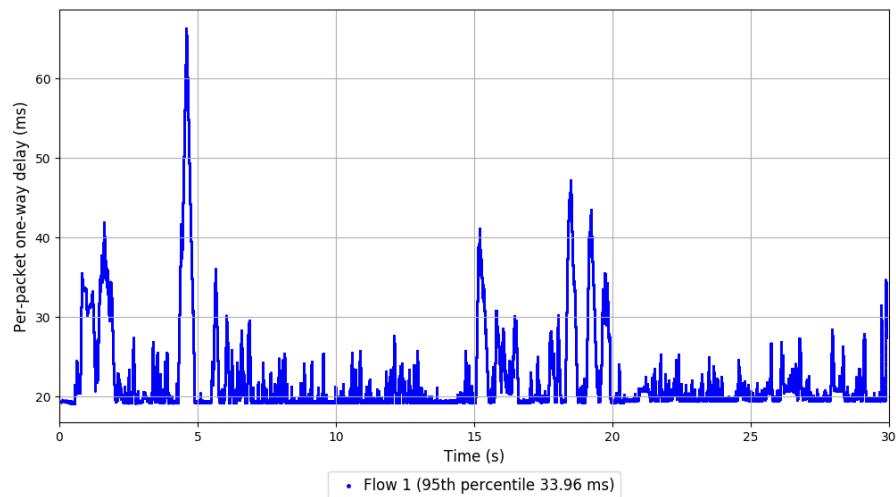
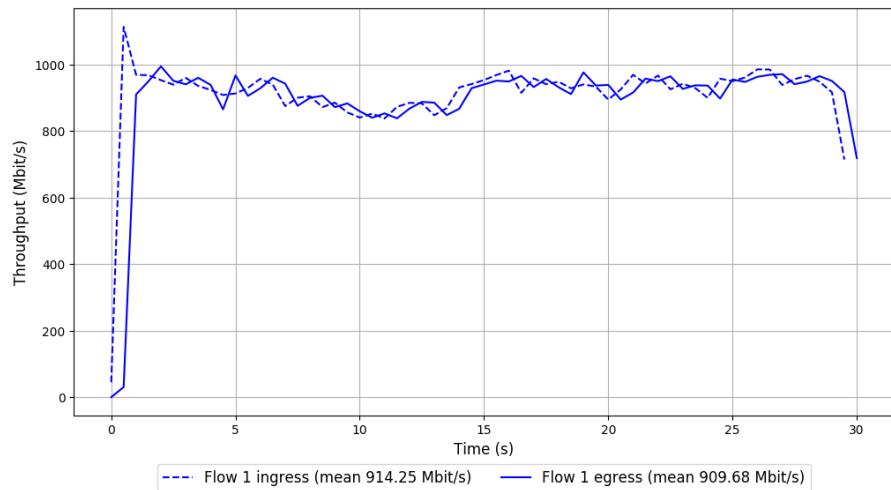


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-29 14:23:31
End at: 2018-06-29 14:24:01
Local clock offset: 0.727 ms
Remote clock offset: 0.313 ms

# Below is generated by plot.py at 2018-06-29 18:11:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 909.68 Mbit/s
95th percentile per-packet one-way delay: 33.957 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 909.68 Mbit/s
95th percentile per-packet one-way delay: 33.957 ms
Loss rate: 0.50%
```

Run 4: Report of PCC-Allegro — Data Link

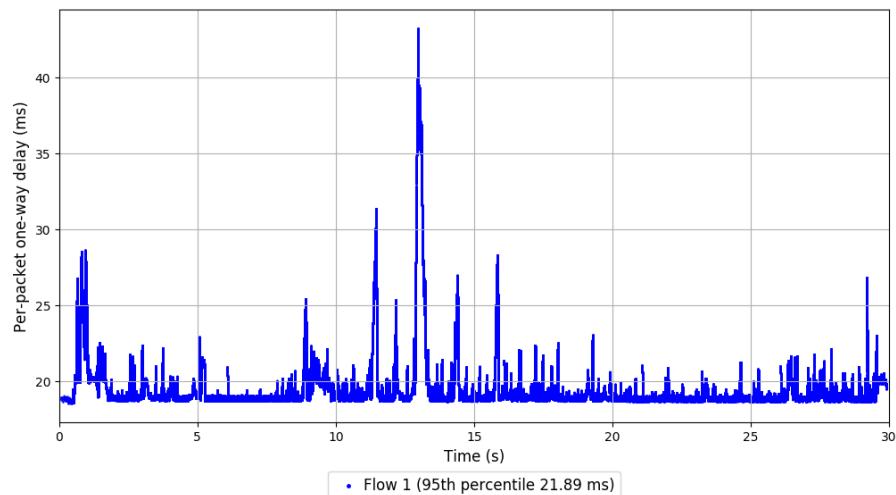
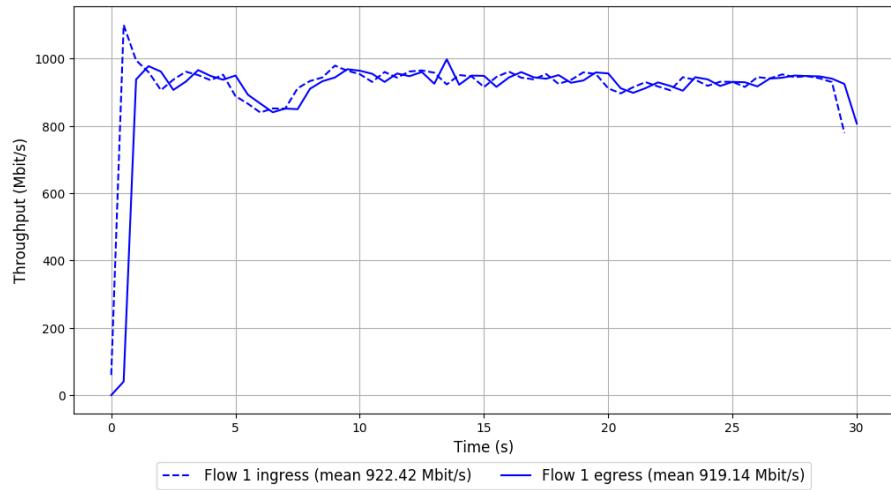


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-29 14:48:26
End at: 2018-06-29 14:48:56
Local clock offset: 4.37 ms
Remote clock offset: 3.639 ms

# Below is generated by plot.py at 2018-06-29 18:12:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 919.14 Mbit/s
95th percentile per-packet one-way delay: 21.895 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 919.14 Mbit/s
95th percentile per-packet one-way delay: 21.895 ms
Loss rate: 0.35%
```

Run 5: Report of PCC-Allegro — Data Link

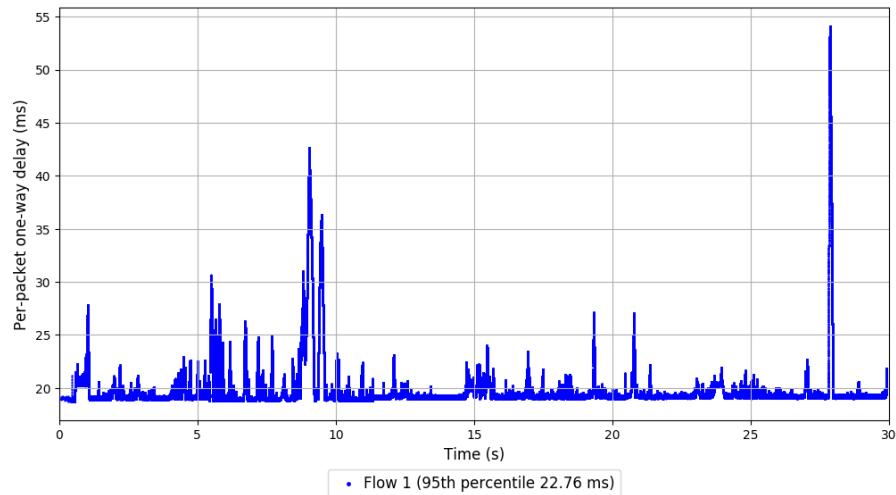
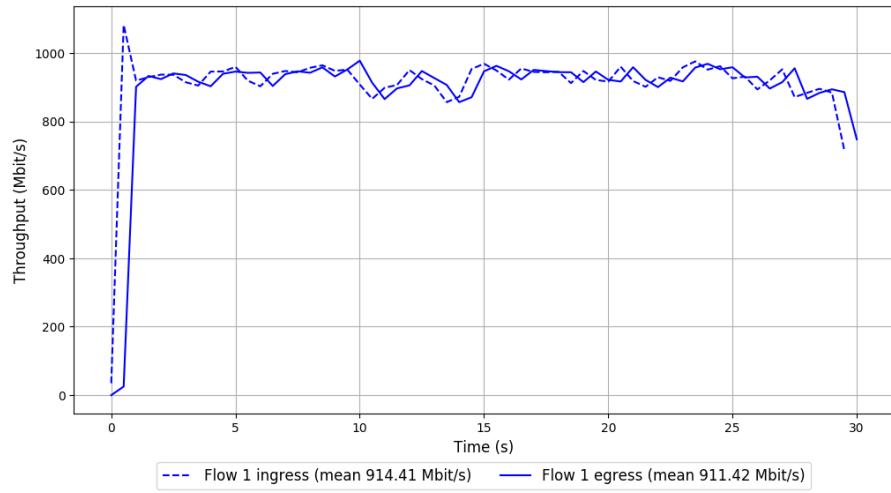


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-29 15:13:40
End at: 2018-06-29 15:14:10
Local clock offset: 4.093 ms
Remote clock offset: -2.68 ms

# Below is generated by plot.py at 2018-06-29 18:12:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 911.42 Mbit/s
95th percentile per-packet one-way delay: 22.759 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 911.42 Mbit/s
95th percentile per-packet one-way delay: 22.759 ms
Loss rate: 0.33%
```

Run 6: Report of PCC-Allegro — Data Link

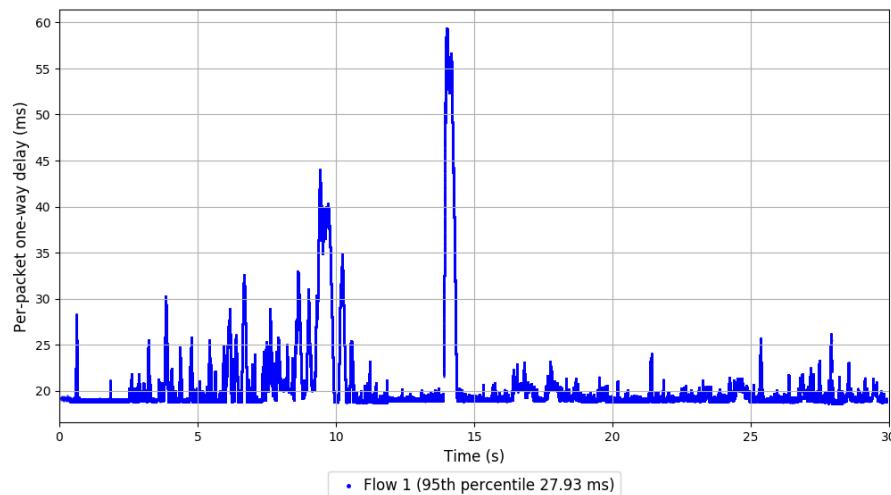
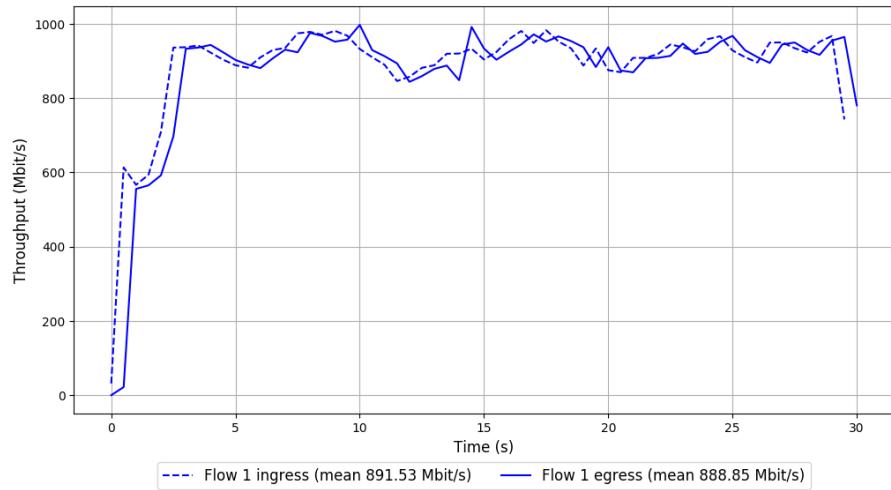


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-29 15:38:48
End at: 2018-06-29 15:39:18
Local clock offset: -0.019 ms
Remote clock offset: -4.159 ms

# Below is generated by plot.py at 2018-06-29 18:12:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 888.85 Mbit/s
95th percentile per-packet one-way delay: 27.928 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 888.85 Mbit/s
95th percentile per-packet one-way delay: 27.928 ms
Loss rate: 0.30%
```

Run 7: Report of PCC-Allegro — Data Link

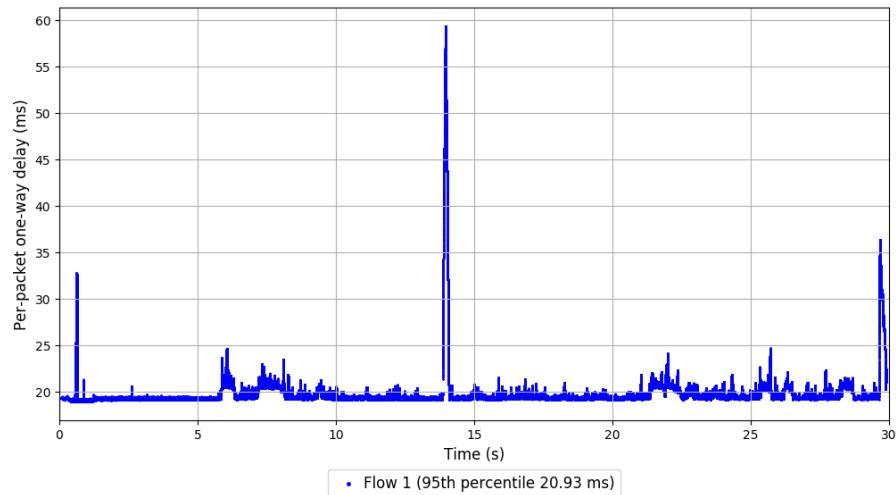
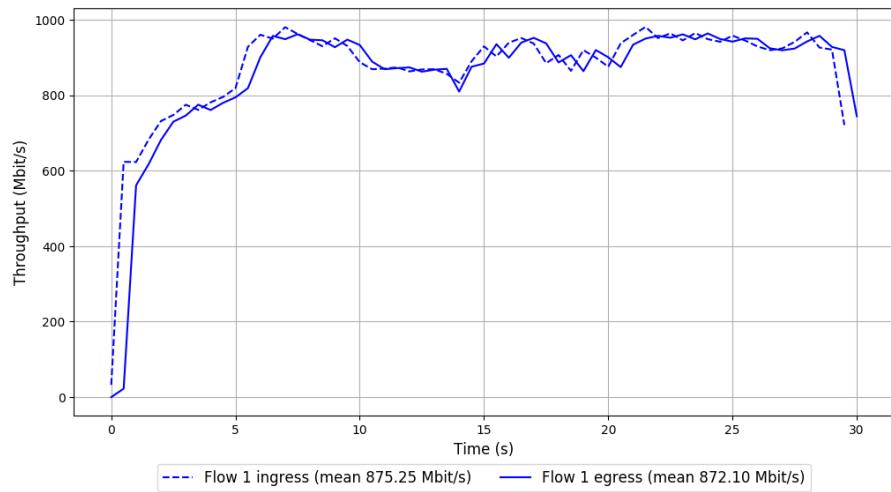


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-29 16:04:00
End at: 2018-06-29 16:04:30
Local clock offset: -0.103 ms
Remote clock offset: -0.421 ms

# Below is generated by plot.py at 2018-06-29 18:12:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 872.10 Mbit/s
95th percentile per-packet one-way delay: 20.933 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 872.10 Mbit/s
95th percentile per-packet one-way delay: 20.933 ms
Loss rate: 0.36%
```

Run 8: Report of PCC-Allegro — Data Link

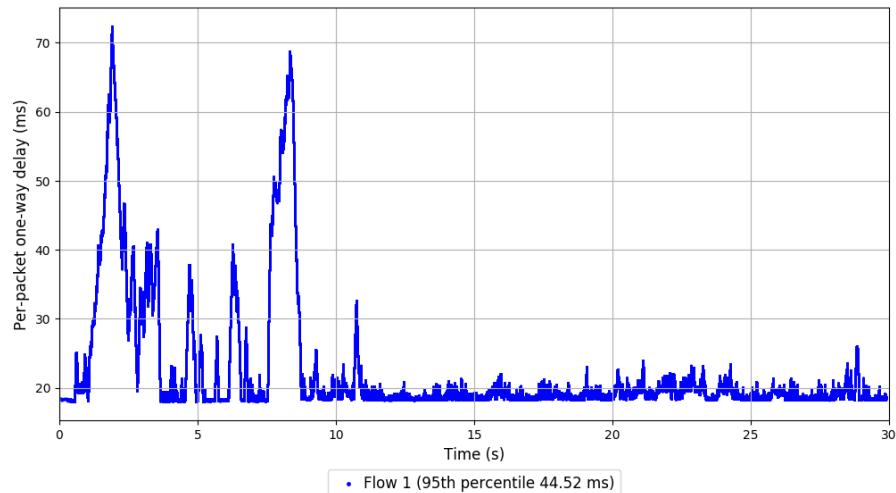
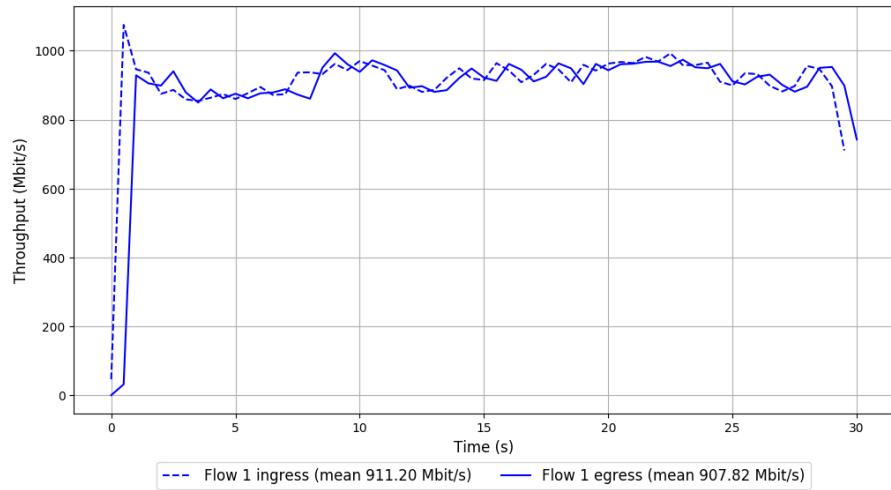


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-29 16:29:18
End at: 2018-06-29 16:29:48
Local clock offset: 0.01 ms
Remote clock offset: -3.294 ms

# Below is generated by plot.py at 2018-06-29 18:20:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 907.82 Mbit/s
95th percentile per-packet one-way delay: 44.523 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 907.82 Mbit/s
95th percentile per-packet one-way delay: 44.523 ms
Loss rate: 0.37%
```

Run 9: Report of PCC-Allegro — Data Link

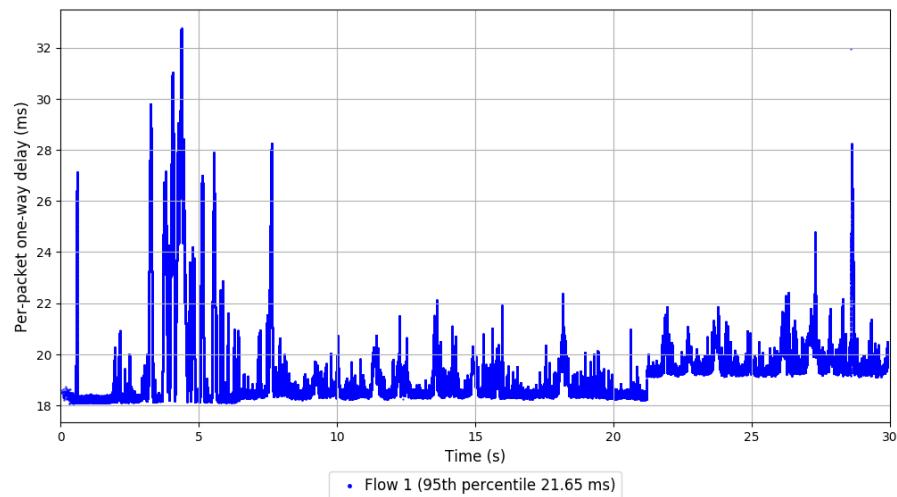
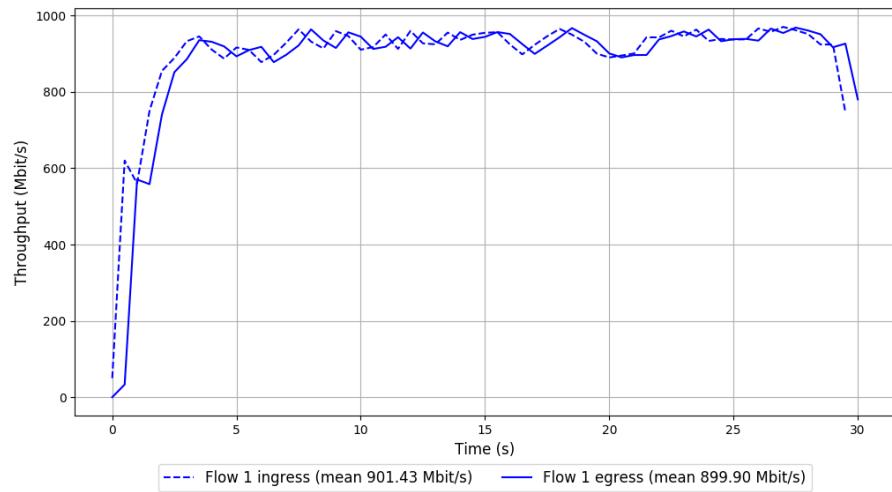


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-29 16:54:40
End at: 2018-06-29 16:55:10
Local clock offset: 2.364 ms
Remote clock offset: 1.75 ms

# Below is generated by plot.py at 2018-06-29 18:20:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 899.90 Mbit/s
95th percentile per-packet one-way delay: 21.652 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 899.90 Mbit/s
95th percentile per-packet one-way delay: 21.652 ms
Loss rate: 0.16%
```

Run 10: Report of PCC-Allegro — Data Link

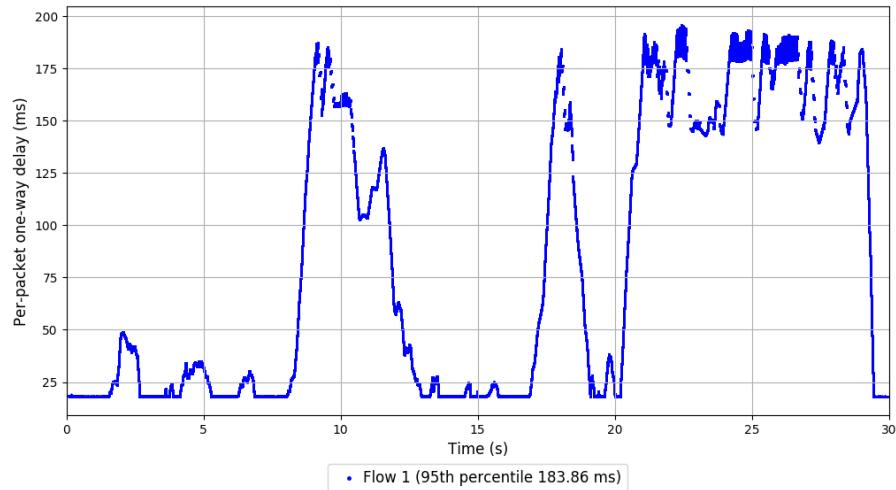
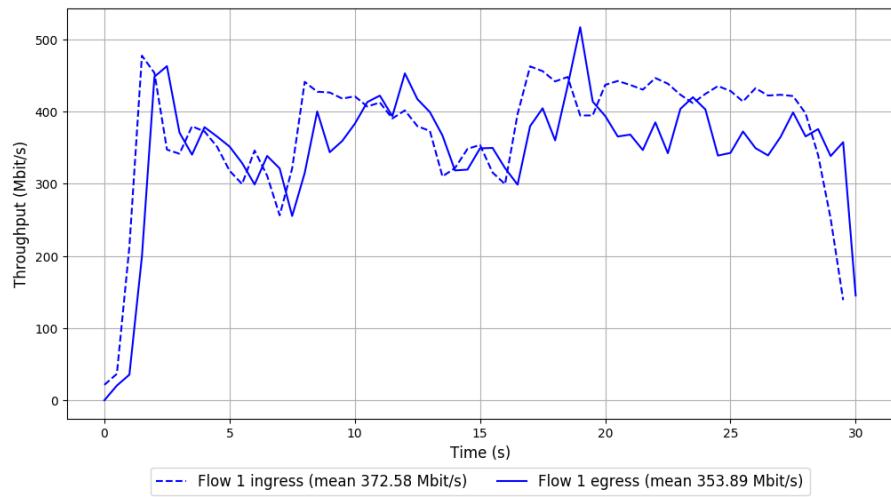


Run 1: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:06:18
End at: 2018-06-29 13:06:48
Local clock offset: 4.563 ms
Remote clock offset: 3.97 ms

# Below is generated by plot.py at 2018-06-29 18:20:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.89 Mbit/s
95th percentile per-packet one-way delay: 183.857 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 353.89 Mbit/s
95th percentile per-packet one-way delay: 183.857 ms
Loss rate: 5.02%
```

Run 1: Report of PCC-Expr — Data Link

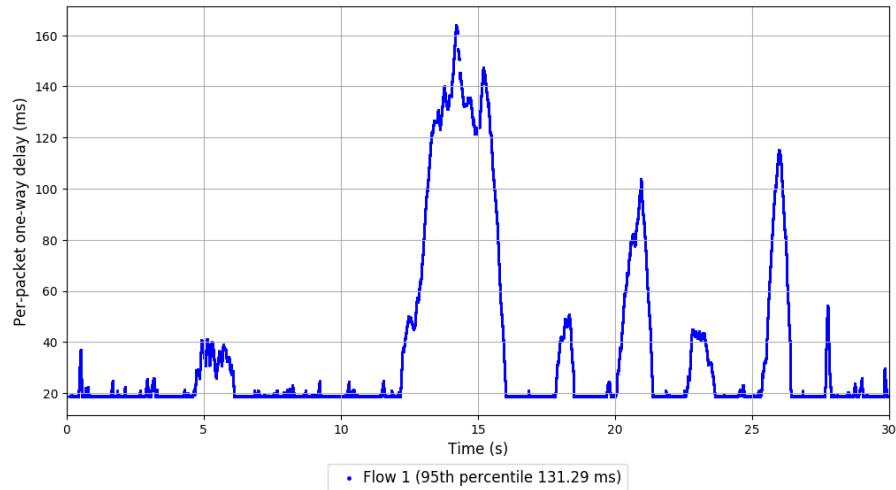
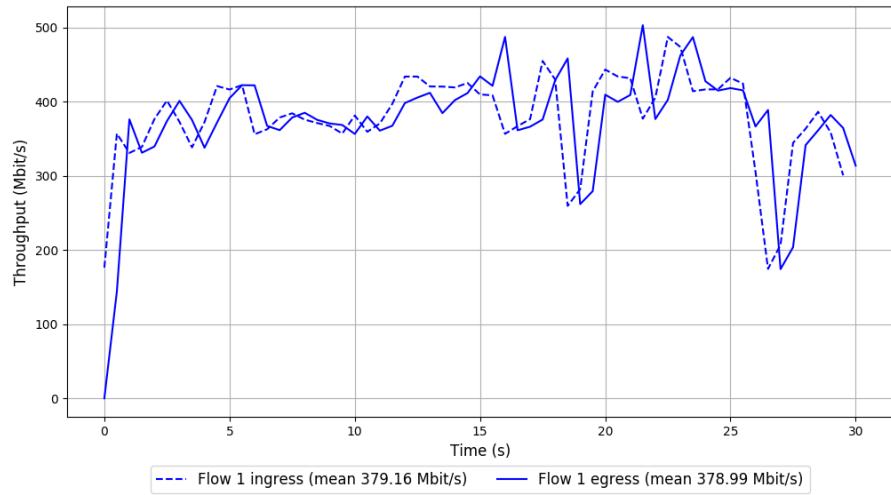


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:31:31
End at: 2018-06-29 13:32:01
Local clock offset: 1.147 ms
Remote clock offset: -1.749 ms

# Below is generated by plot.py at 2018-06-29 18:20:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 378.99 Mbit/s
95th percentile per-packet one-way delay: 131.294 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 378.99 Mbit/s
95th percentile per-packet one-way delay: 131.294 ms
Loss rate: 0.05%
```

Run 2: Report of PCC-Expr — Data Link

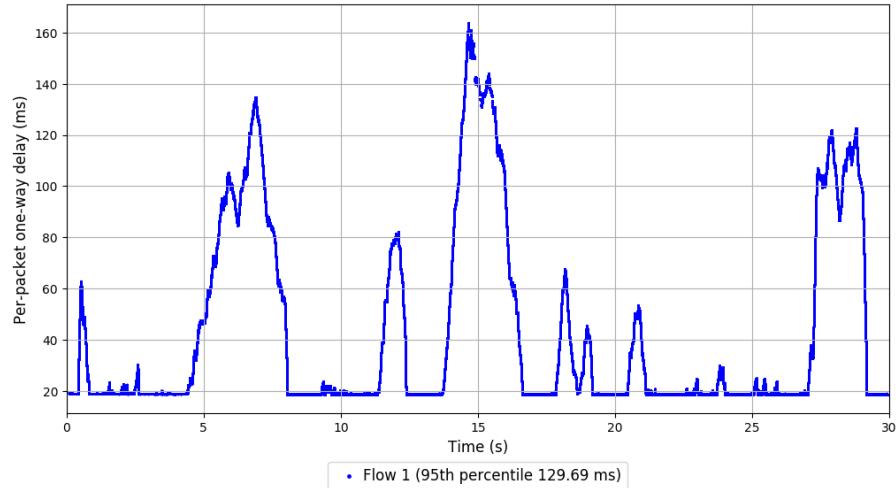
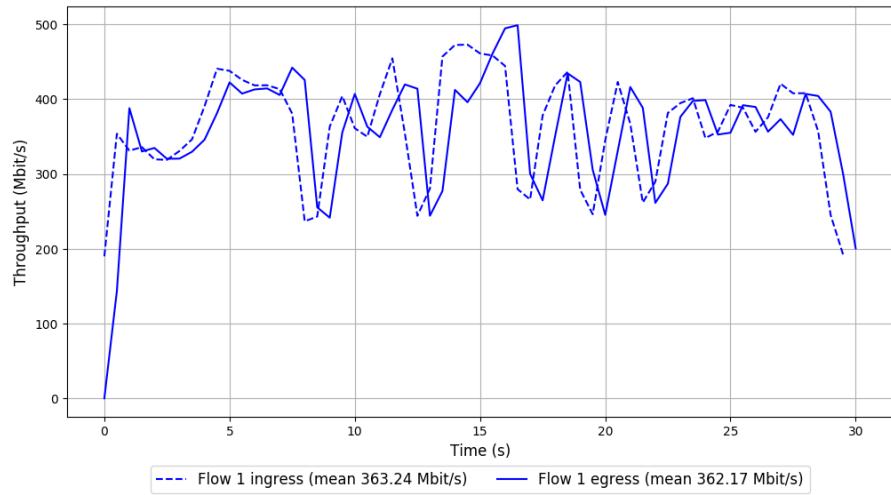


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:56:43
End at: 2018-06-29 13:57:13
Local clock offset: -2.299 ms
Remote clock offset: -2.642 ms

# Below is generated by plot.py at 2018-06-29 18:20:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 362.17 Mbit/s
95th percentile per-packet one-way delay: 129.689 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 362.17 Mbit/s
95th percentile per-packet one-way delay: 129.689 ms
Loss rate: 0.30%
```

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

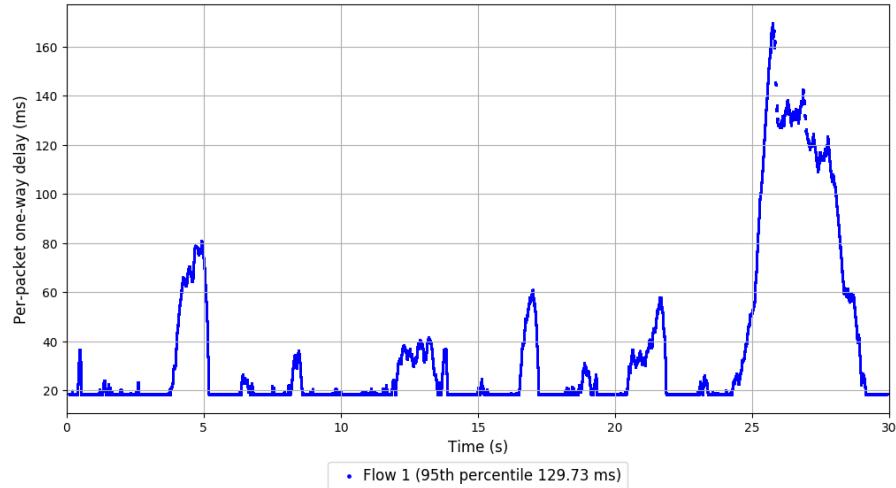
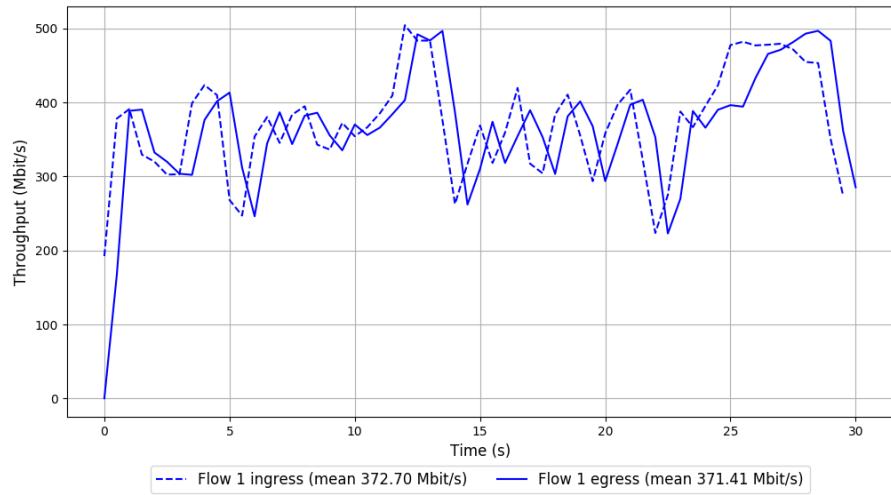


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-29 14:21:52
End at: 2018-06-29 14:22:22
Local clock offset: -0.011 ms
Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2018-06-29 18:21:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.41 Mbit/s
95th percentile per-packet one-way delay: 129.728 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 371.41 Mbit/s
95th percentile per-packet one-way delay: 129.728 ms
Loss rate: 0.35%
```

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

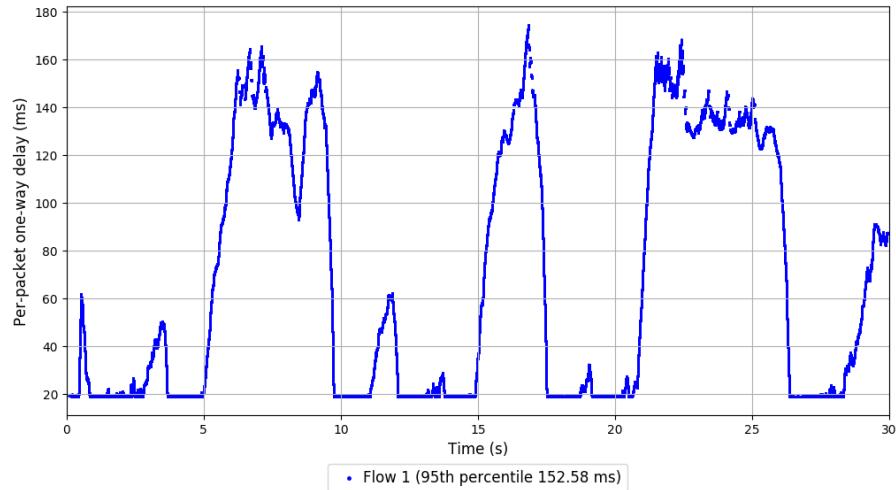
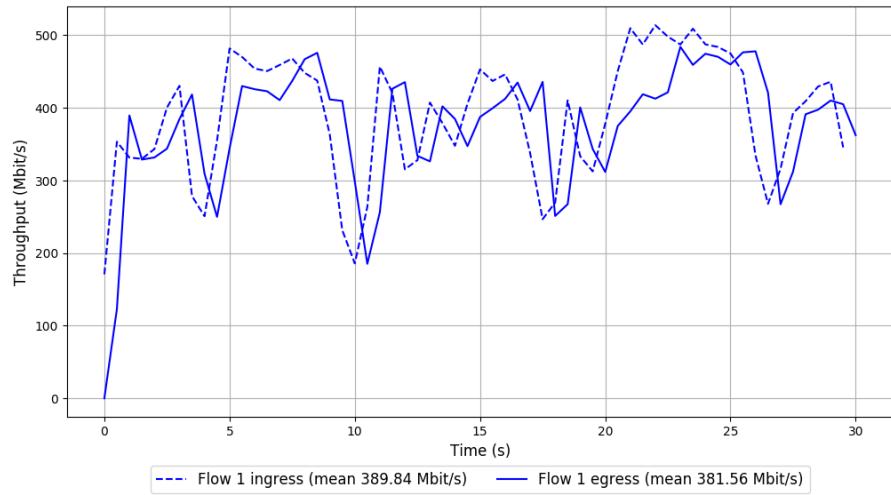


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-29 14:46:46
End at: 2018-06-29 14:47:16
Local clock offset: 4.452 ms
Remote clock offset: 3.506 ms

# Below is generated by plot.py at 2018-06-29 18:21:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 381.56 Mbit/s
95th percentile per-packet one-way delay: 152.576 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 381.56 Mbit/s
95th percentile per-packet one-way delay: 152.576 ms
Loss rate: 2.13%
```

Run 5: Report of PCC-Expr — Data Link

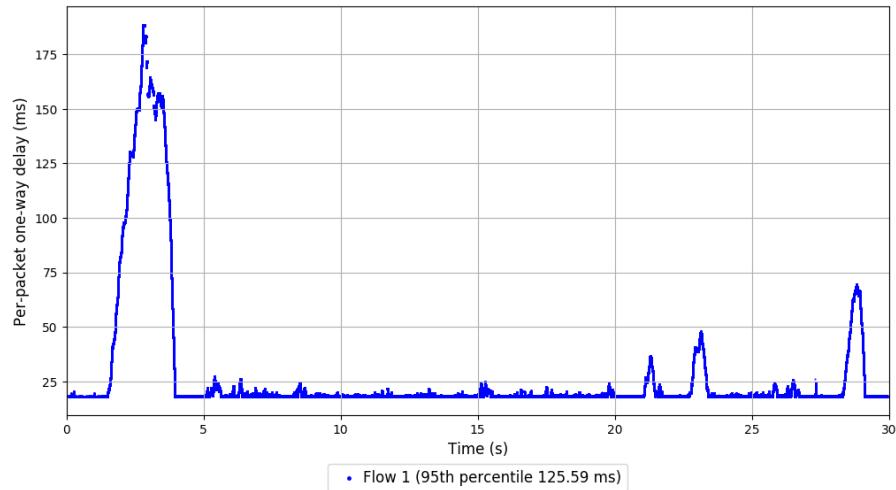
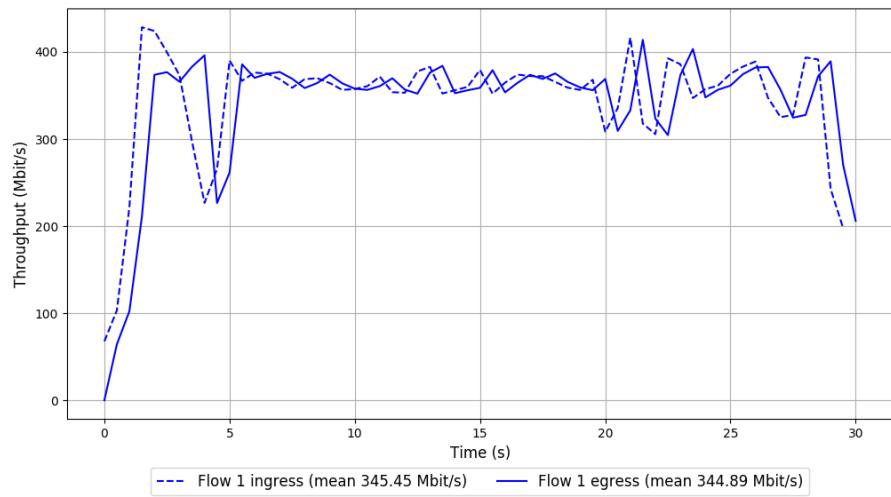


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-29 15:12:03
End at: 2018-06-29 15:12:33
Local clock offset: 4.062 ms
Remote clock offset: -2.238 ms

# Below is generated by plot.py at 2018-06-29 18:21:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.89 Mbit/s
95th percentile per-packet one-way delay: 125.588 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 344.89 Mbit/s
95th percentile per-packet one-way delay: 125.588 ms
Loss rate: 0.16%
```

Run 6: Report of PCC-Expr — Data Link

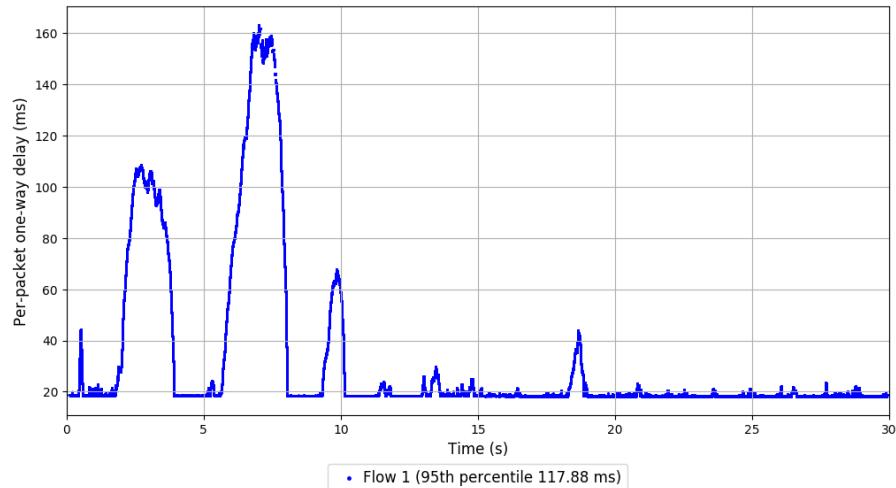
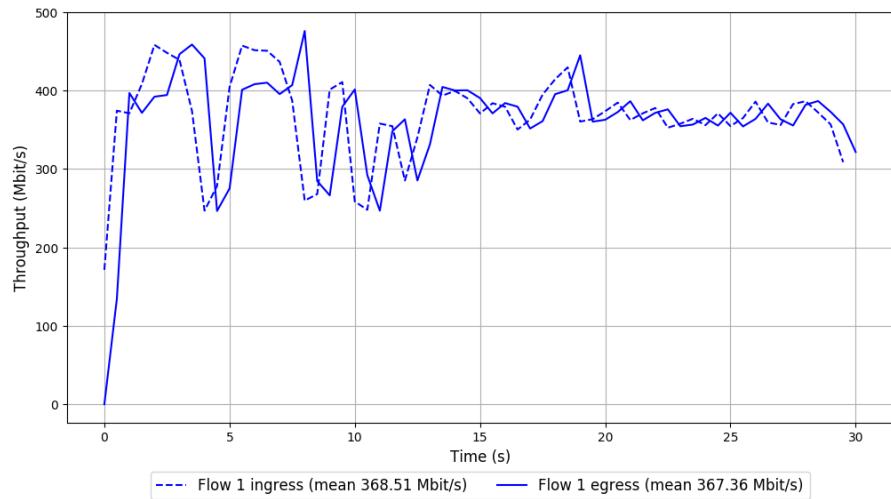


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-29 15:37:08
End at: 2018-06-29 15:37:38
Local clock offset: 0.158 ms
Remote clock offset: -5.168 ms

# Below is generated by plot.py at 2018-06-29 18:26:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.36 Mbit/s
95th percentile per-packet one-way delay: 117.877 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 367.36 Mbit/s
95th percentile per-packet one-way delay: 117.877 ms
Loss rate: 0.31%
```

Run 7: Report of PCC-Expr — Data Link

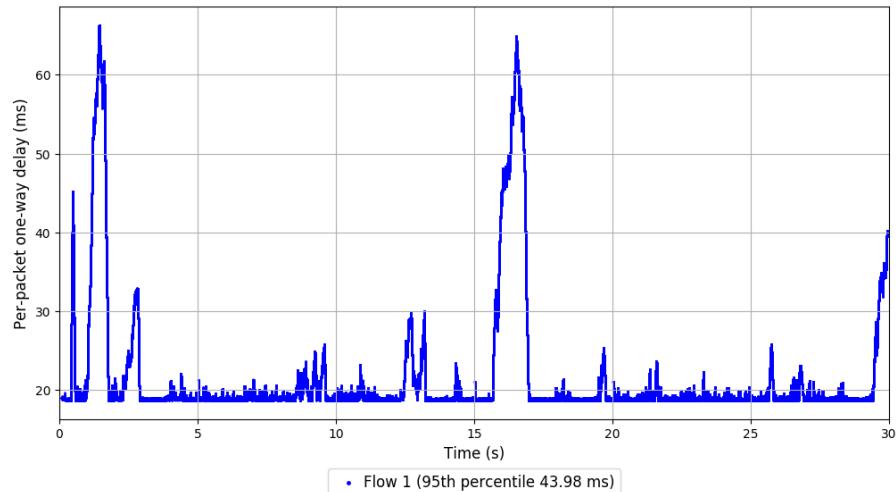
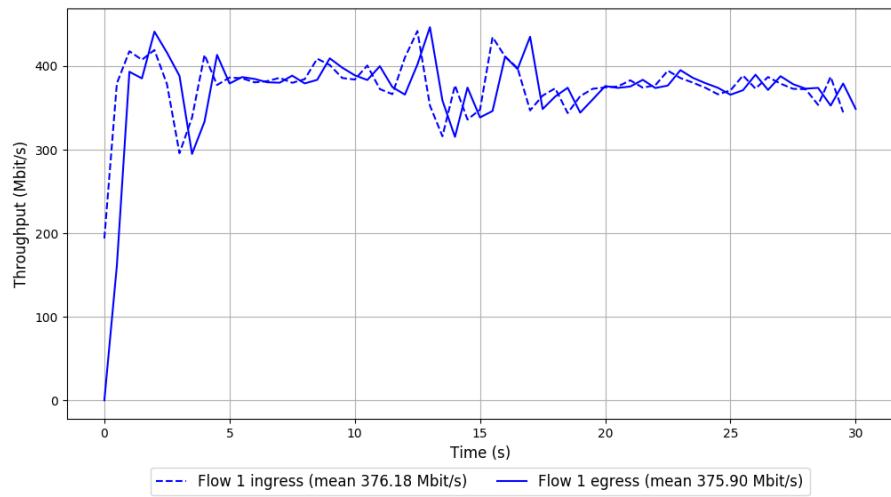


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-29 16:02:20
End at: 2018-06-29 16:02:50
Local clock offset: -0.02 ms
Remote clock offset: -0.443 ms

# Below is generated by plot.py at 2018-06-29 18:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 375.90 Mbit/s
95th percentile per-packet one-way delay: 43.976 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 375.90 Mbit/s
95th percentile per-packet one-way delay: 43.976 ms
Loss rate: 0.08%
```

Run 8: Report of PCC-Expr — Data Link

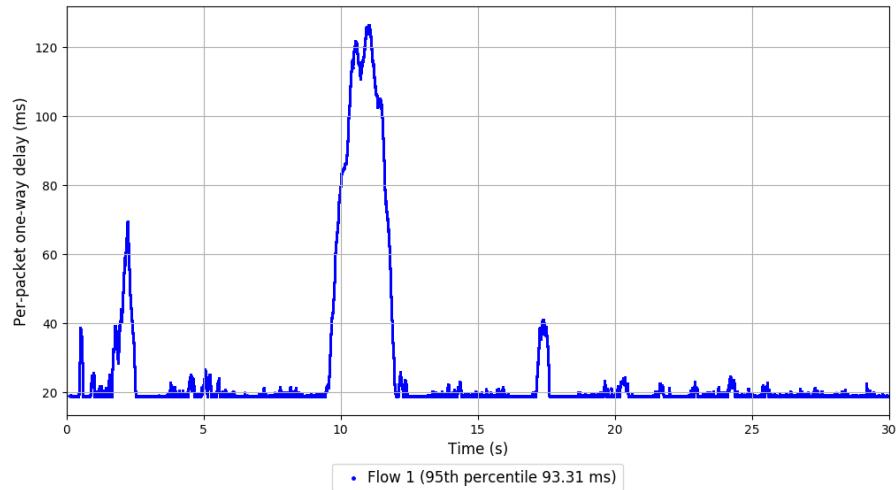
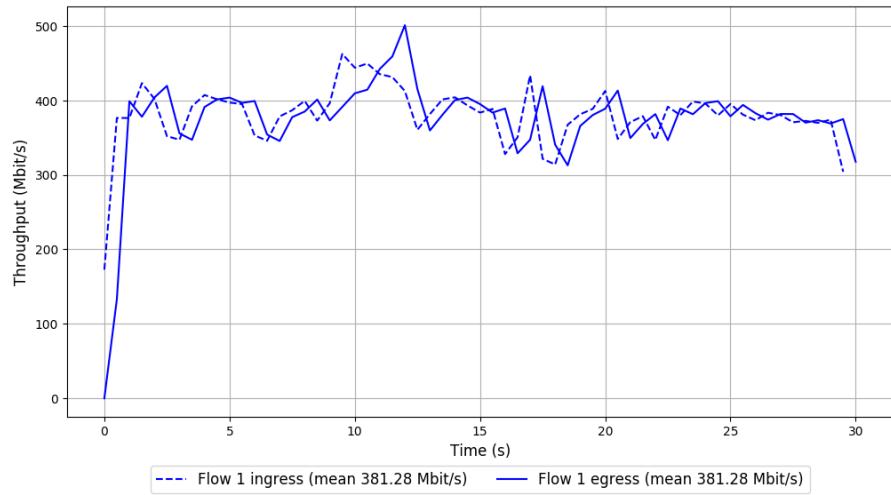


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-29 16:27:37
End at: 2018-06-29 16:28:07
Local clock offset: -0.09 ms
Remote clock offset: -3.244 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 381.28 Mbit/s
95th percentile per-packet one-way delay: 93.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 381.28 Mbit/s
95th percentile per-packet one-way delay: 93.309 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Expr — Data Link

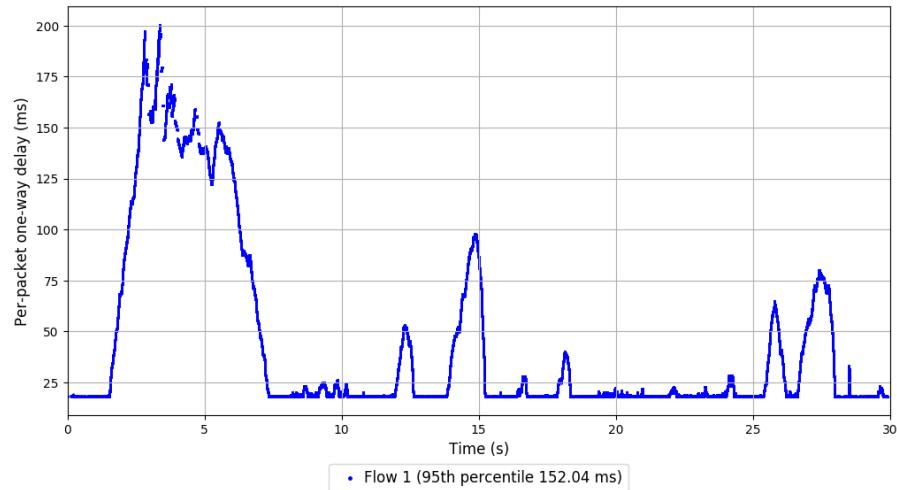
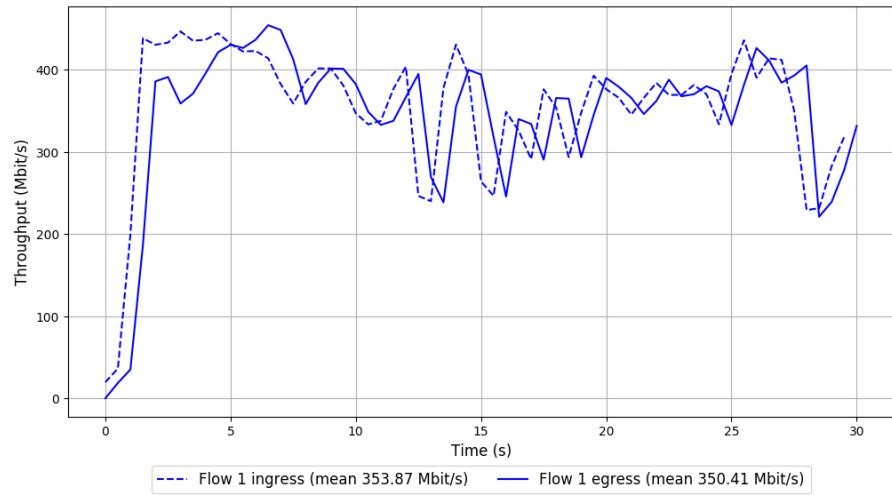


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-29 16:53:02
End at: 2018-06-29 16:53:32
Local clock offset: 2.096 ms
Remote clock offset: 1.208 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.41 Mbit/s
95th percentile per-packet one-way delay: 152.039 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 350.41 Mbit/s
95th percentile per-packet one-way delay: 152.039 ms
Loss rate: 0.98%
```

Run 10: Report of PCC-Expr — Data Link

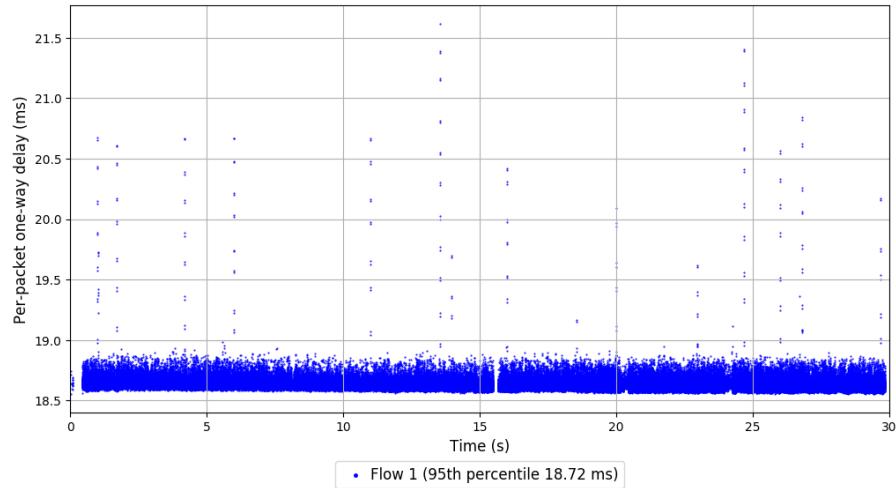
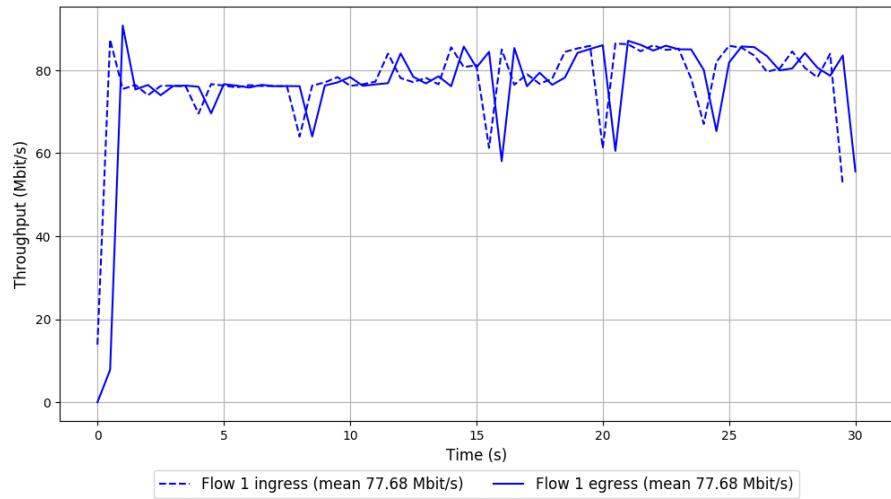


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-29 12:58:55
End at: 2018-06-29 12:59:25
Local clock offset: 3.929 ms
Remote clock offset: 3.012 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 18.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 18.722 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

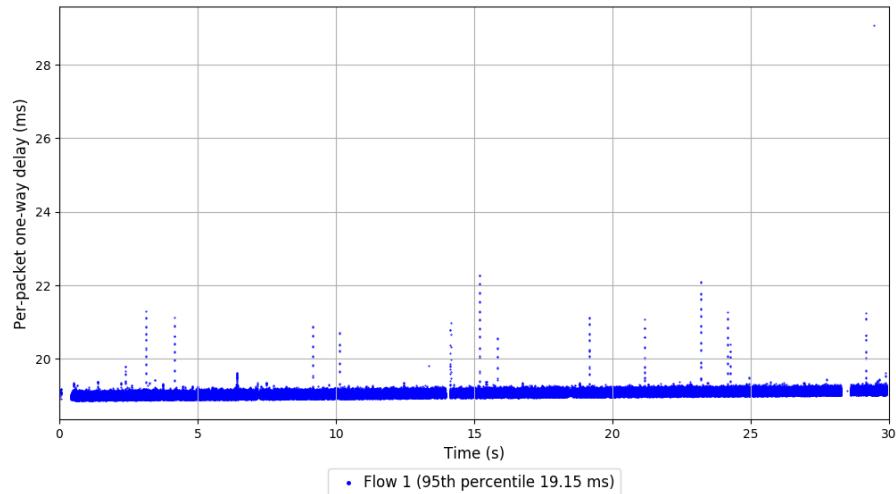
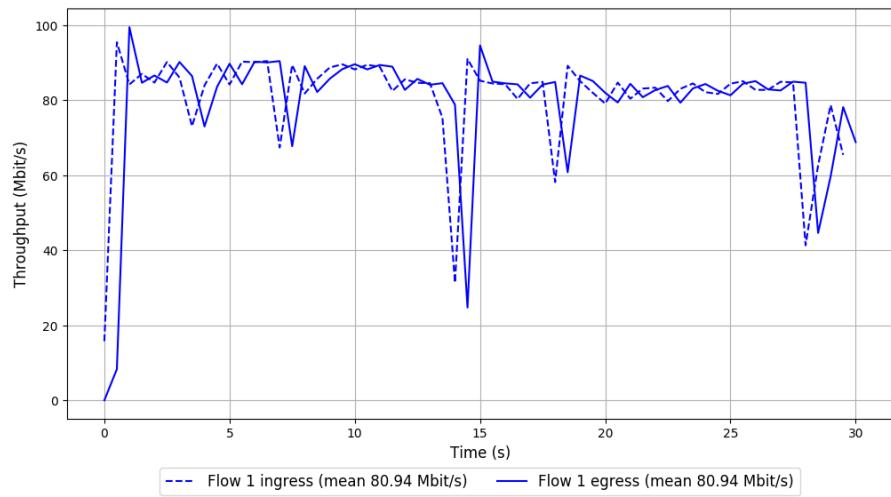


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-29 13:24:04
End at: 2018-06-29 13:24:34
Local clock offset: 2.255 ms
Remote clock offset: 0.971 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

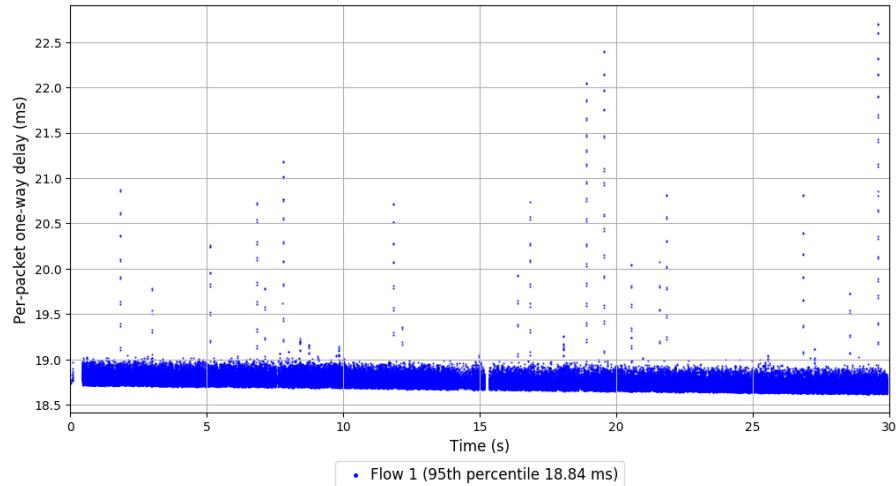
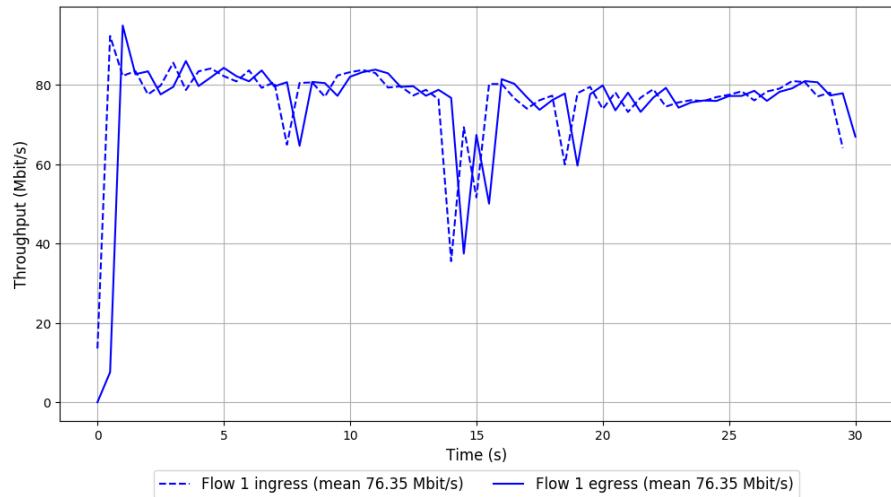


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-29 13:49:08
End at: 2018-06-29 13:49:39
Local clock offset: -0.686 ms
Remote clock offset: -4.093 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 18.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 18.845 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

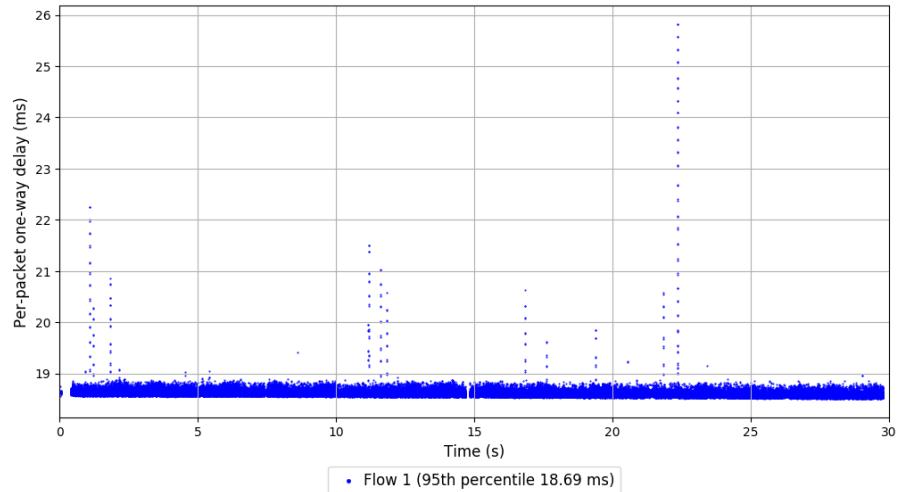
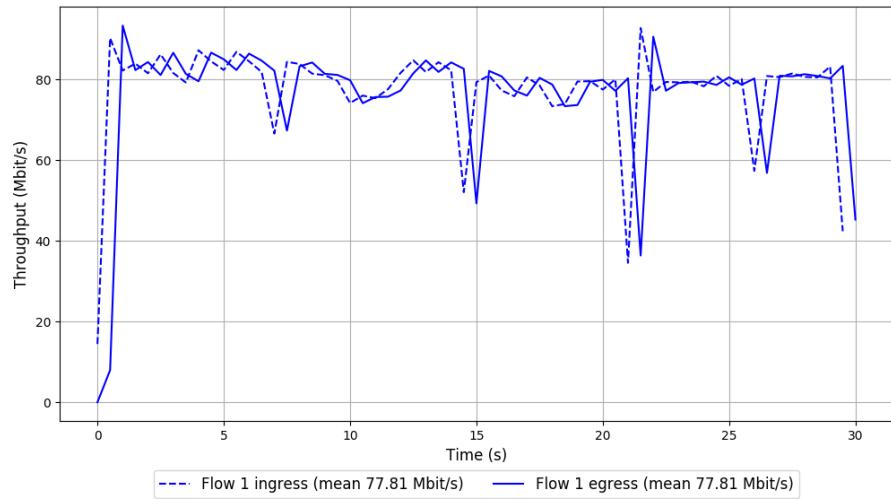


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-29 14:14:25
End at: 2018-06-29 14:14:55
Local clock offset: -3.776 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 18.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 18.689 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

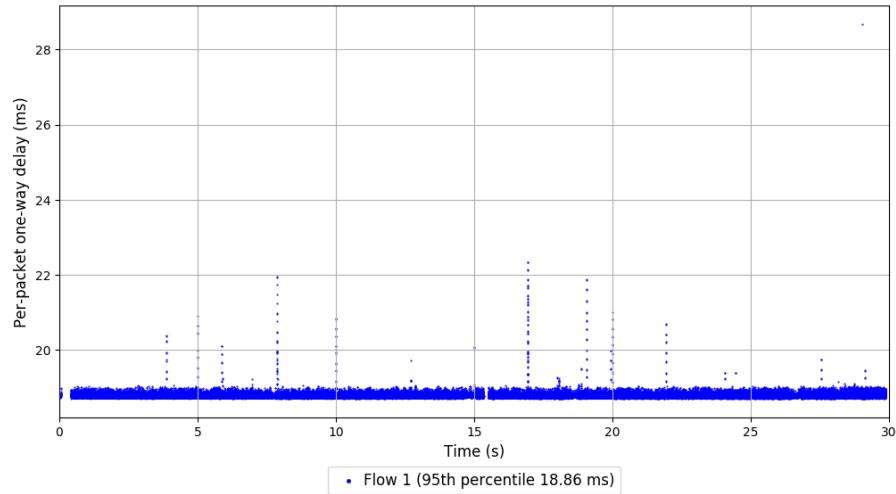
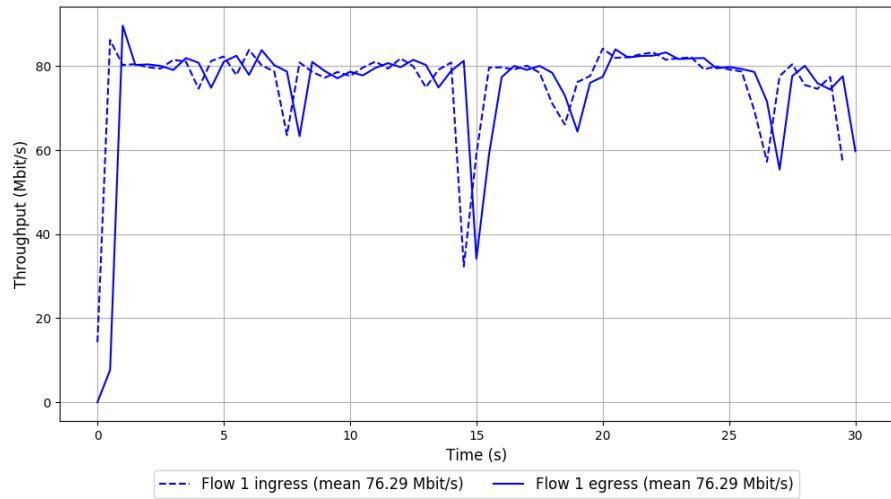


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-29 14:39:21
End at: 2018-06-29 14:39:51
Local clock offset: 3.987 ms
Remote clock offset: 2.765 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 18.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 18.861 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

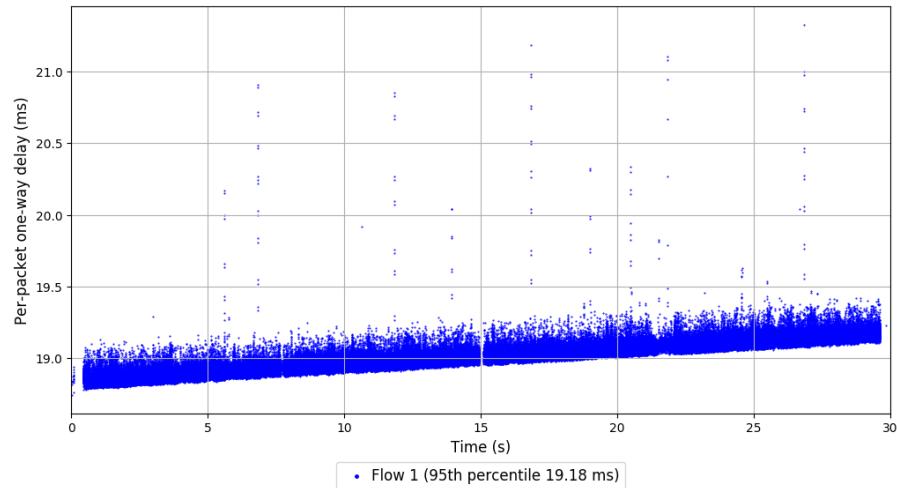
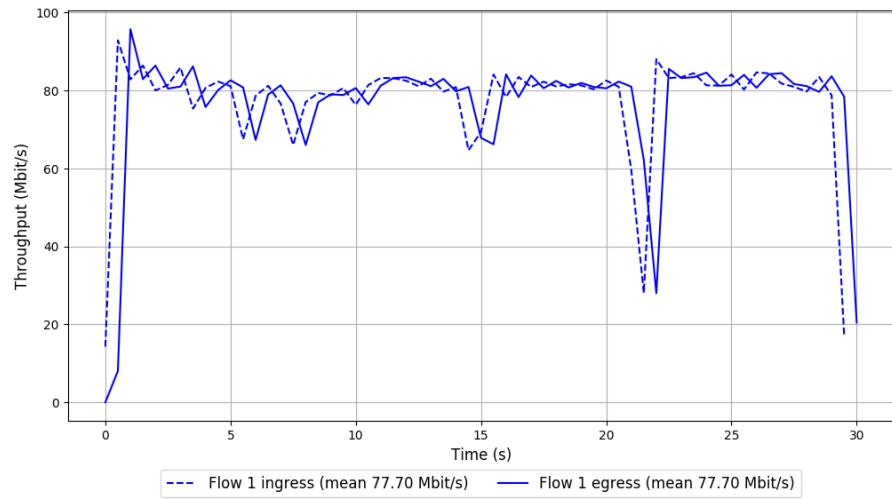


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-29 15:04:35
End at: 2018-06-29 15:05:05
Local clock offset: 3.945 ms
Remote clock offset: 1.434 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

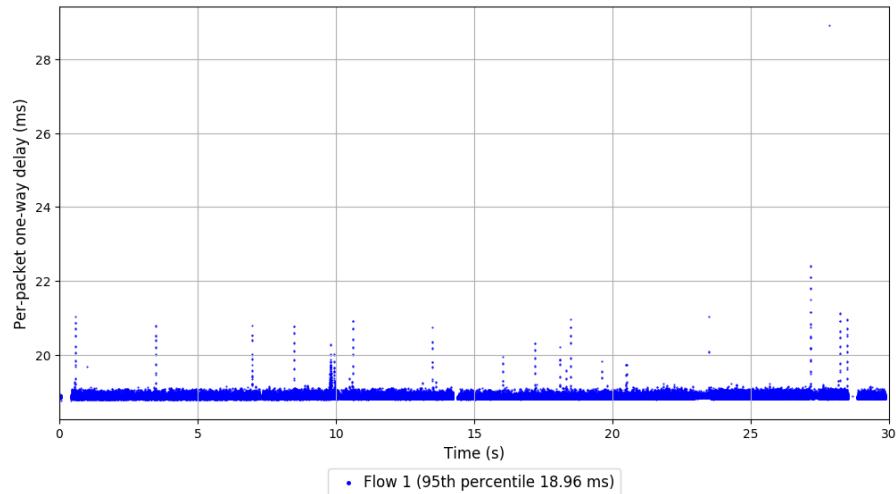
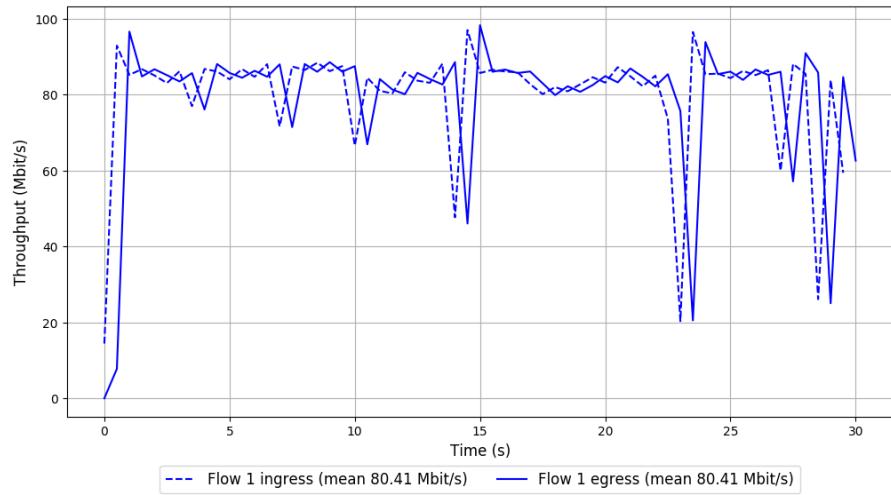


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-29 15:29:39
End at: 2018-06-29 15:30:09
Local clock offset: 0.754 ms
Remote clock offset: -5.859 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.41 Mbit/s
95th percentile per-packet one-way delay: 18.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.41 Mbit/s
95th percentile per-packet one-way delay: 18.957 ms
Loss rate: 0.00%
```

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

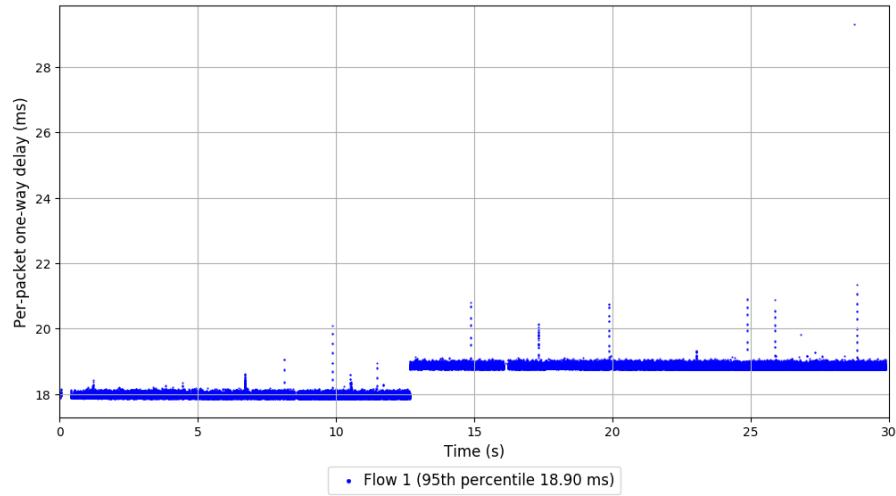
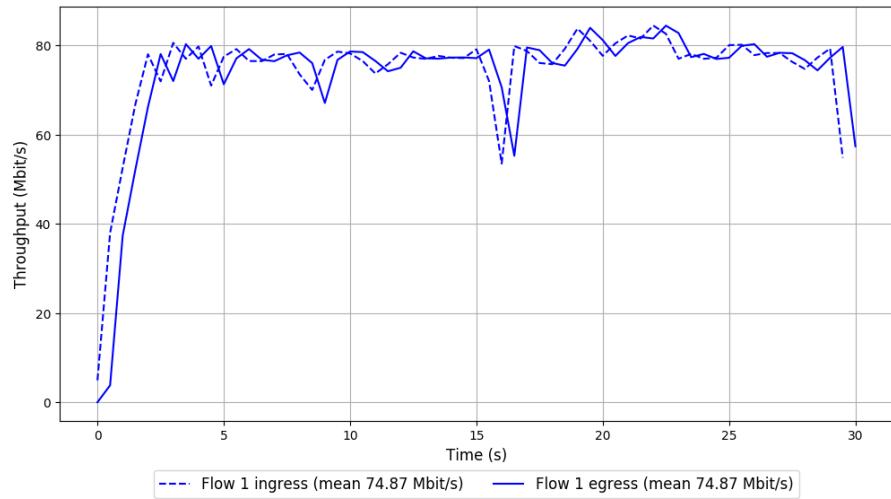


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-29 15:54:48
End at: 2018-06-29 15:55:18
Local clock offset: -0.006 ms
Remote clock offset: -0.847 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

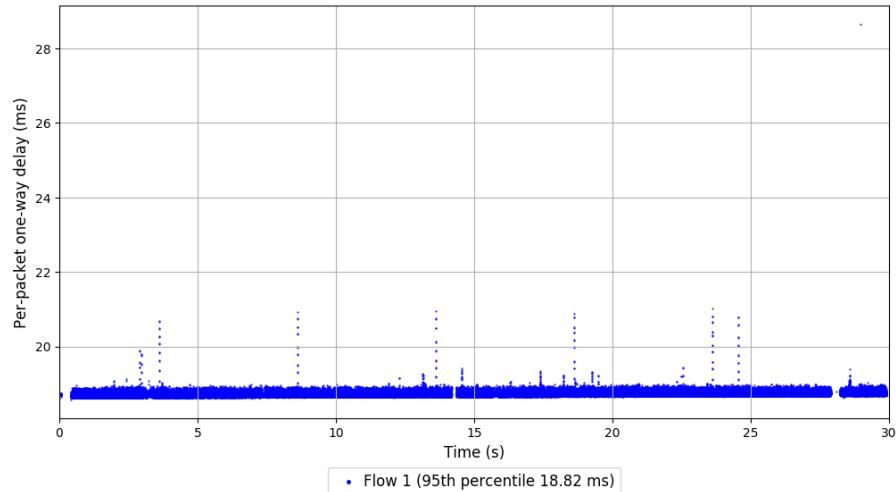
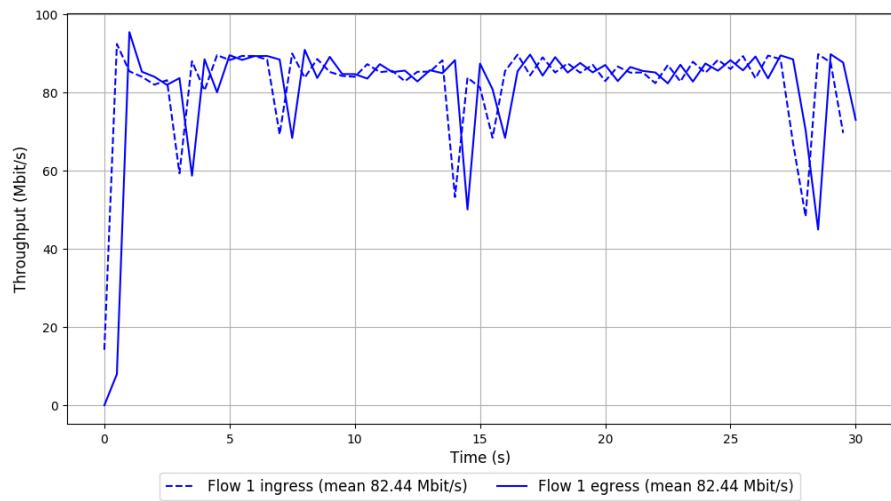


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-29 16:20:06
End at: 2018-06-29 16:20:37
Local clock offset: -0.06 ms
Remote clock offset: -2.575 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.44 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.44 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

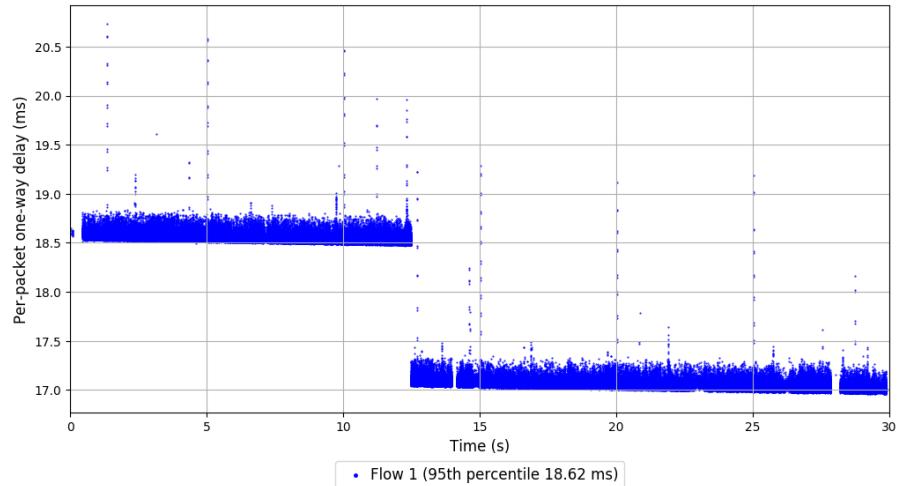
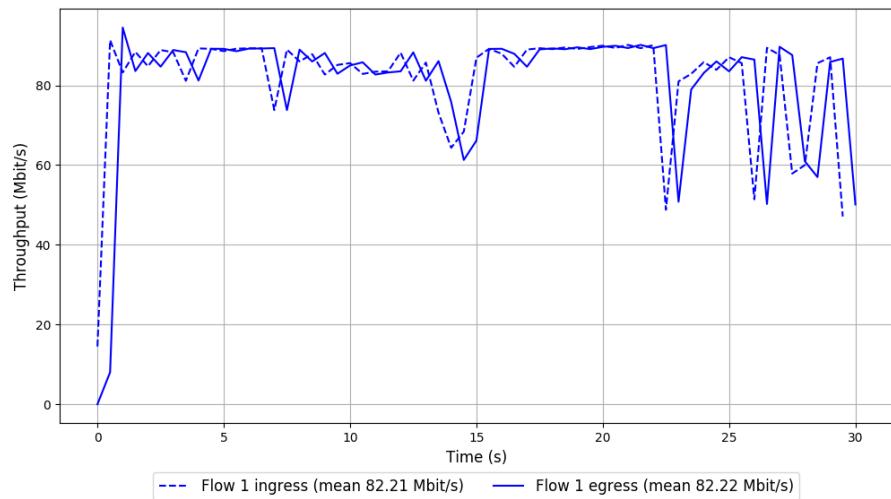


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-29 16:45:25
End at: 2018-06-29 16:45:55
Local clock offset: -0.056 ms
Remote clock offset: -2.559 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 18.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 18.618 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

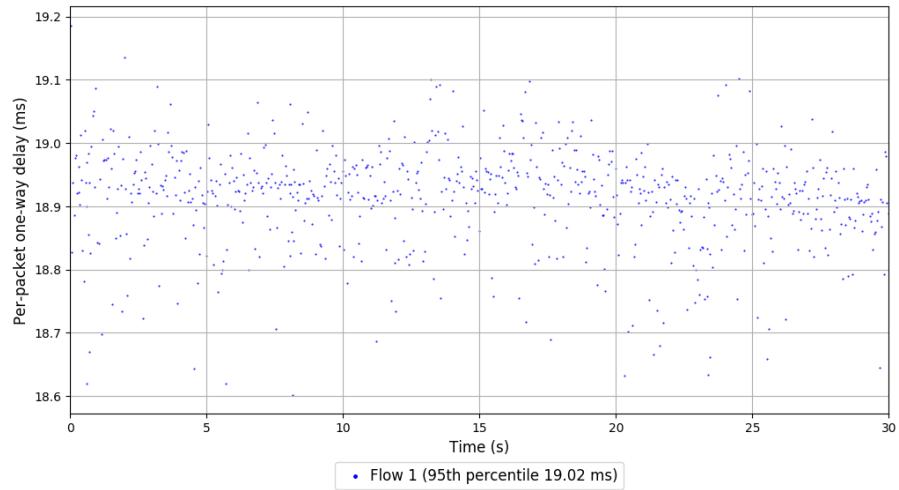
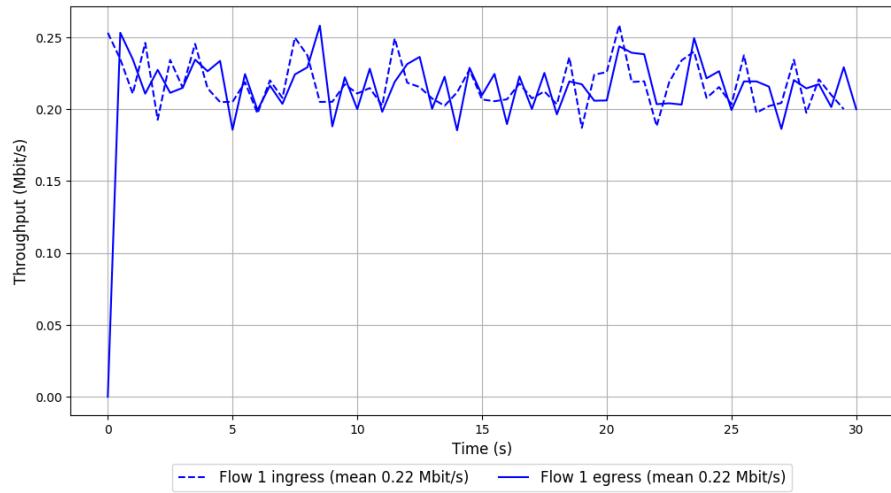


Run 1: Statistics of SCReAM

```
Start at: 2018-06-29 12:52:43
End at: 2018-06-29 12:53:13
Local clock offset: 3.199 ms
Remote clock offset: 1.899 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

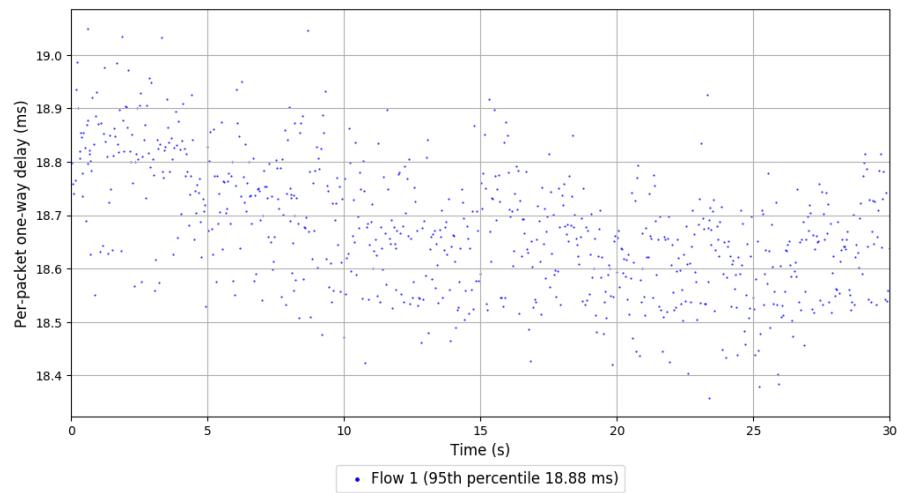
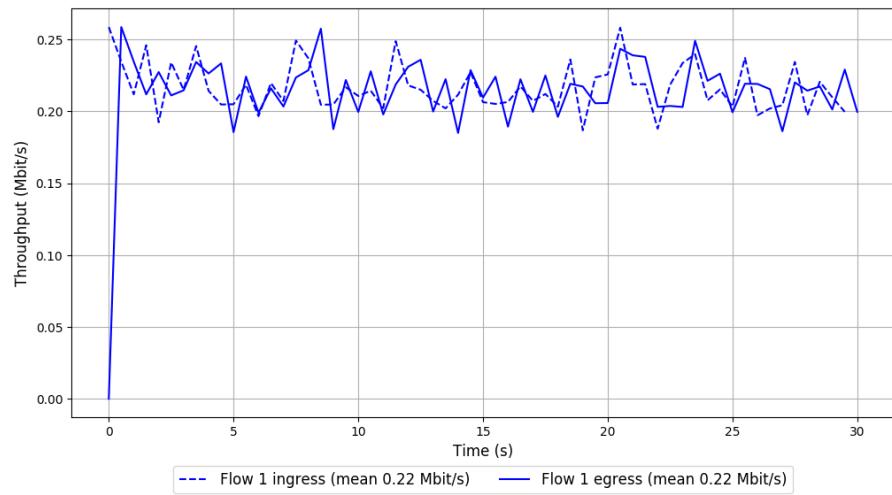


Run 2: Statistics of SCReAM

```
Start at: 2018-06-29 13:17:54
End at: 2018-06-29 13:18:24
Local clock offset: 4.212 ms
Remote clock offset: 4.916 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

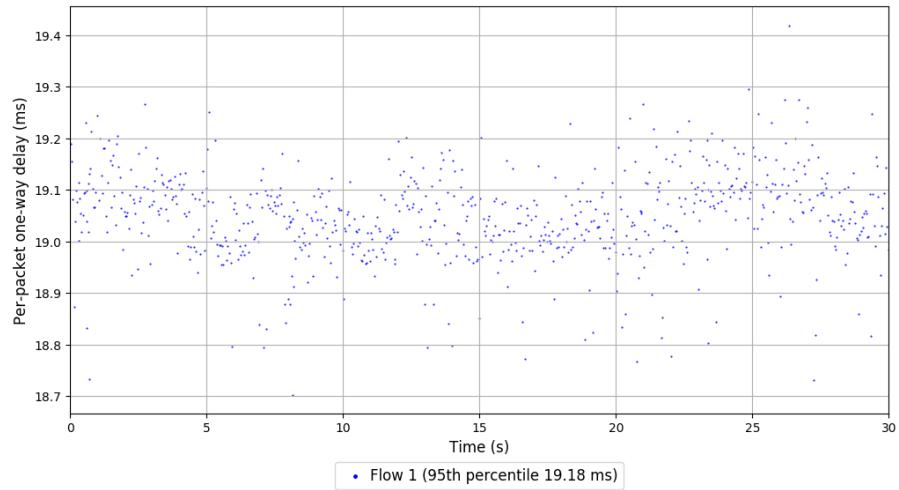
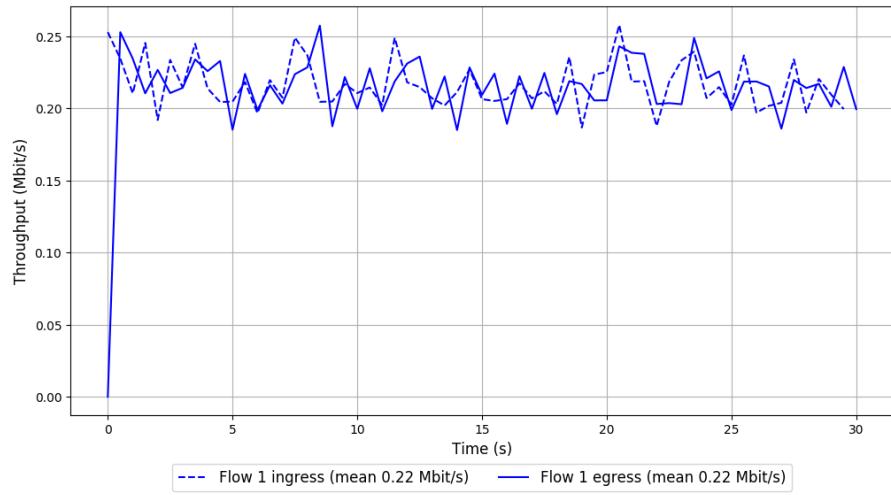


Run 3: Statistics of SCReAM

```
Start at: 2018-06-29 13:43:04
End at: 2018-06-29 13:43:34
Local clock offset: 0.528 ms
Remote clock offset: -3.543 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

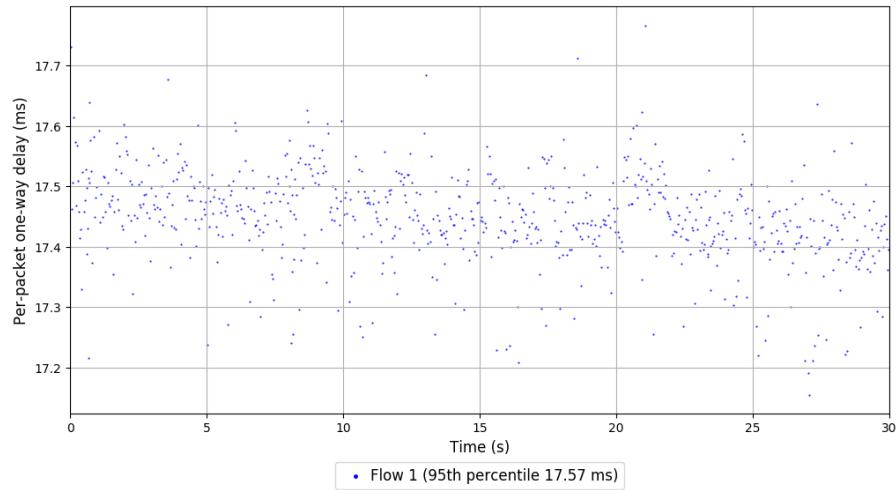
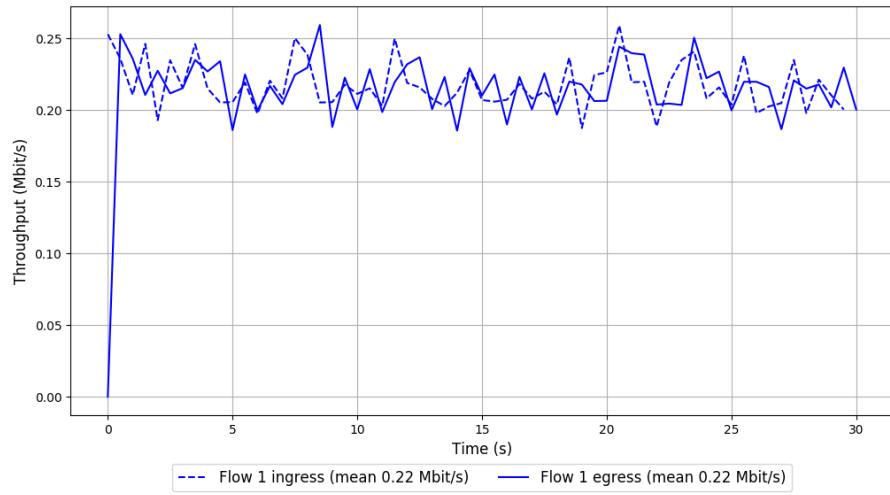


Run 4: Statistics of SCReAM

```
Start at: 2018-06-29 14:08:16
End at: 2018-06-29 14:08:46
Local clock offset: -3.388 ms
Remote clock offset: -0.526 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.566 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

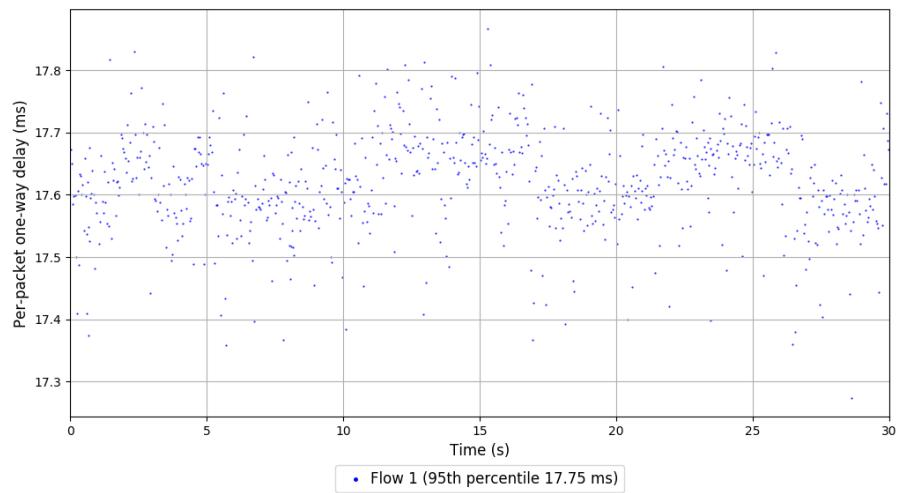
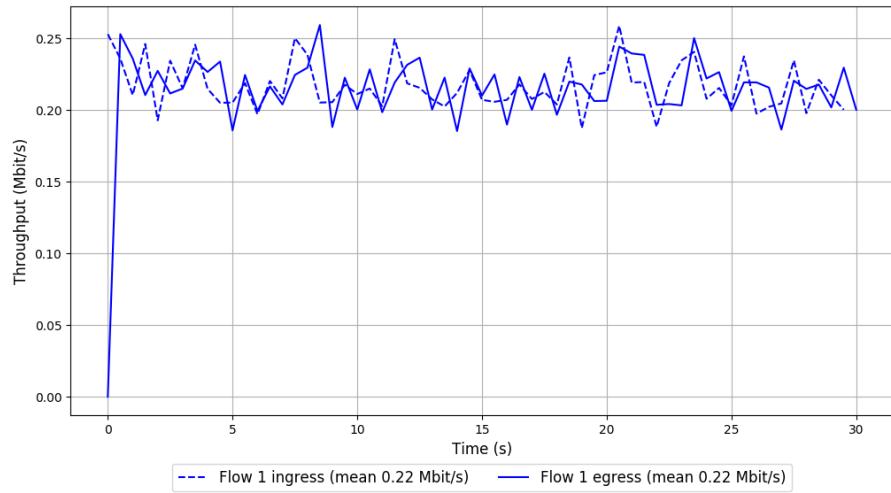


Run 5: Statistics of SCReAM

```
Start at: 2018-06-29 14:33:18
End at: 2018-06-29 14:33:48
Local clock offset: 3.314 ms
Remote clock offset: 2.004 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.745 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

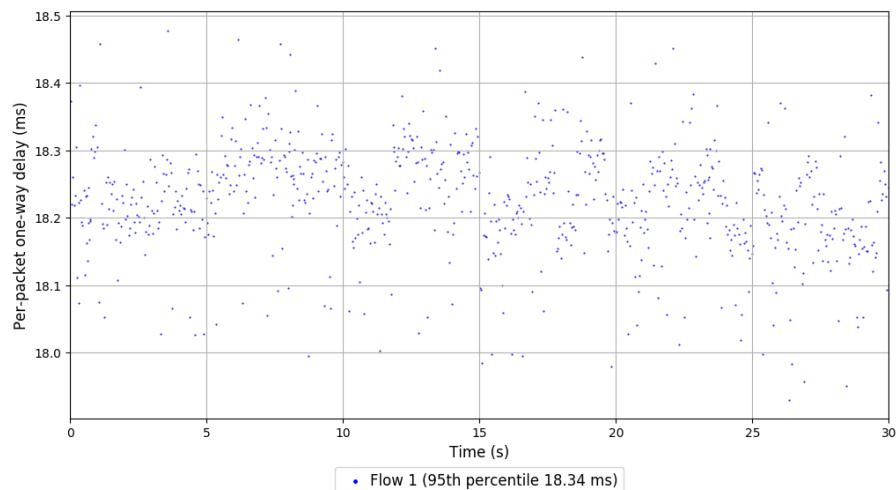
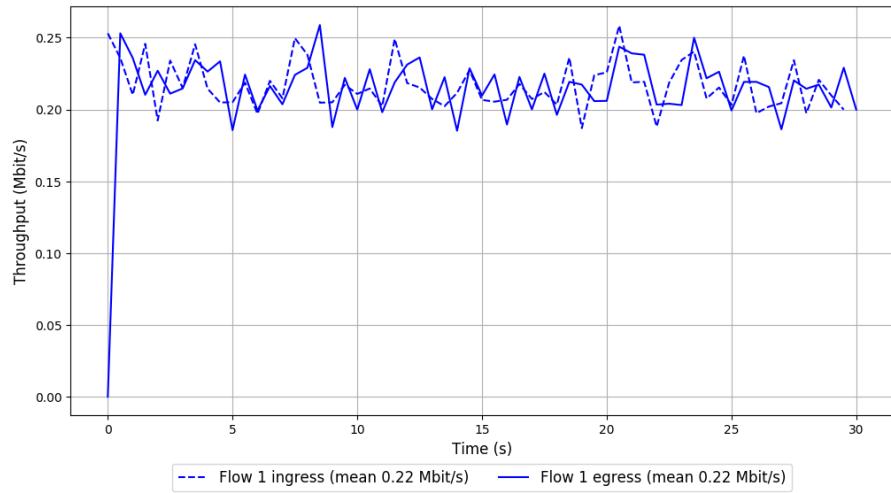


Run 6: Statistics of SCReAM

```
Start at: 2018-06-29 14:58:28
End at: 2018-06-29 14:58:58
Local clock offset: 3.962 ms
Remote clock offset: 4.332 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.345 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

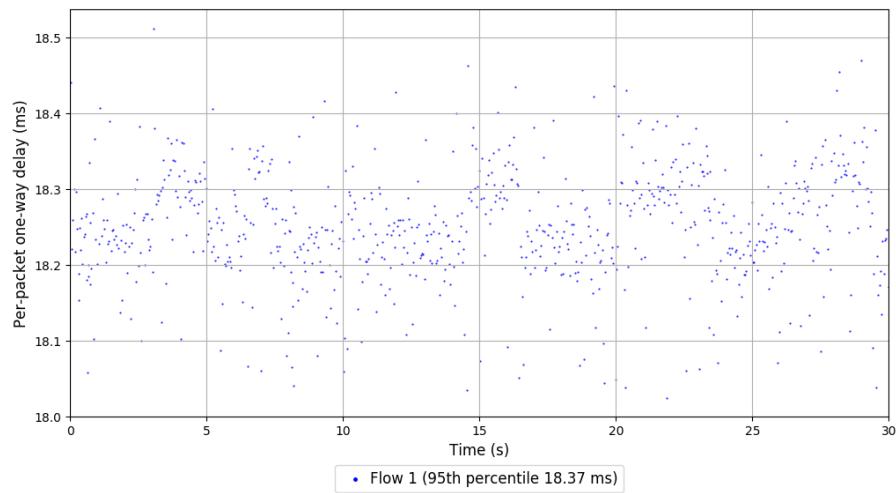
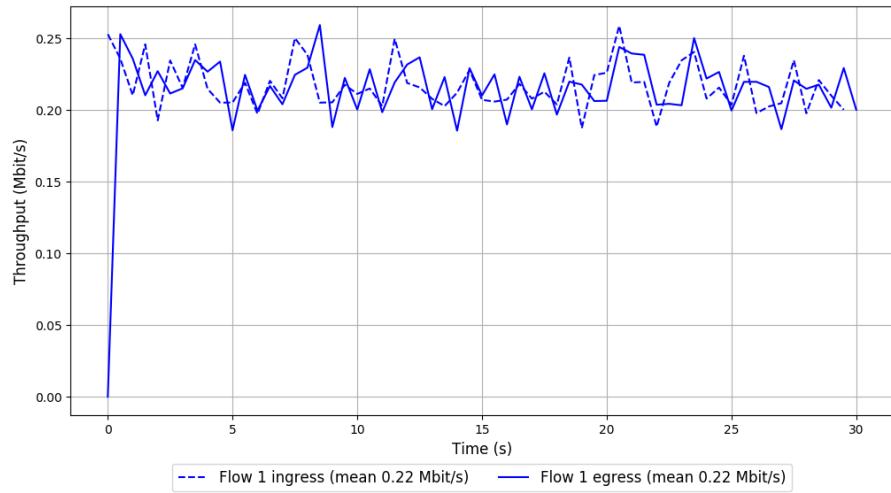


Run 7: Statistics of SCReAM

```
Start at: 2018-06-29 15:23:33
End at: 2018-06-29 15:24:03
Local clock offset: 1.659 ms
Remote clock offset: -4.929 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.369 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

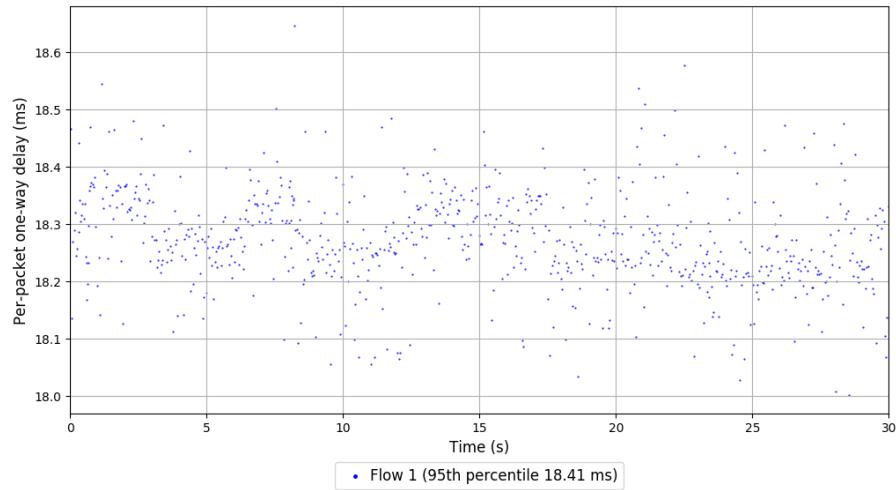
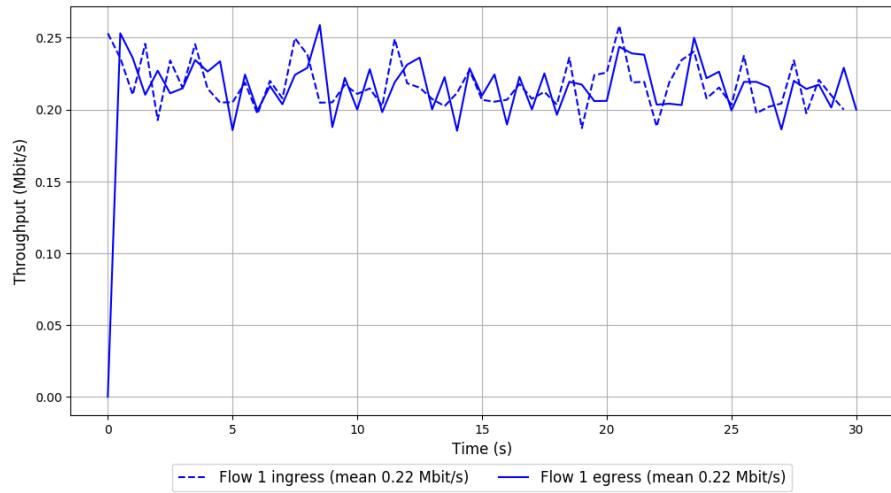


Run 8: Statistics of SCReAM

```
Start at: 2018-06-29 15:48:43
End at: 2018-06-29 15:49:13
Local clock offset: -0.131 ms
Remote clock offset: -1.384 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.406 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

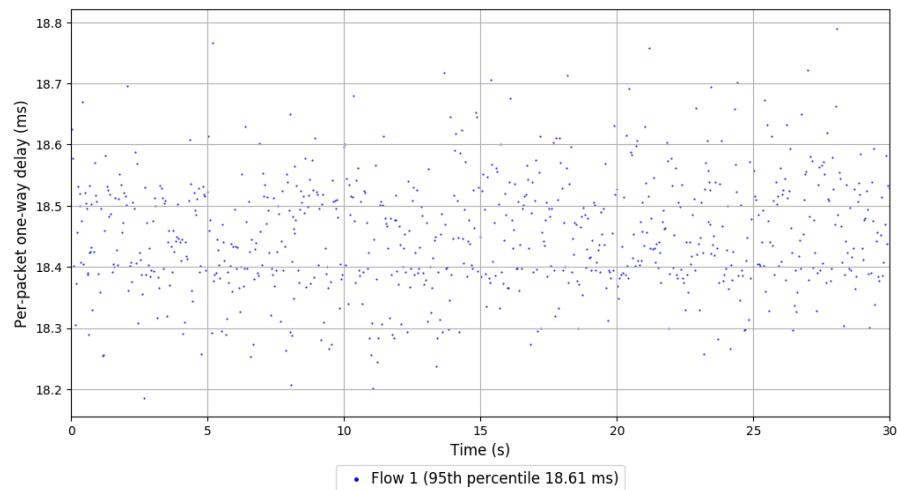
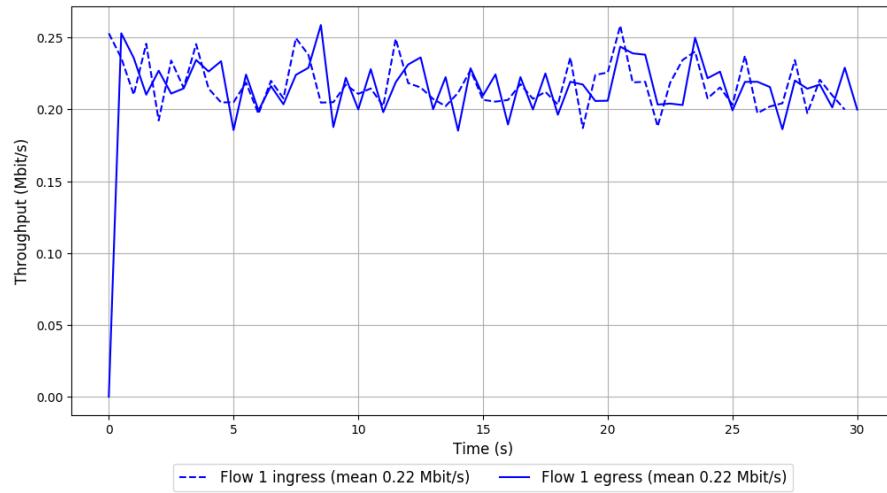


Run 9: Statistics of SCReAM

```
Start at: 2018-06-29 16:13:58
End at: 2018-06-29 16:14:28
Local clock offset: -0.199 ms
Remote clock offset: -1.576 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.610 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

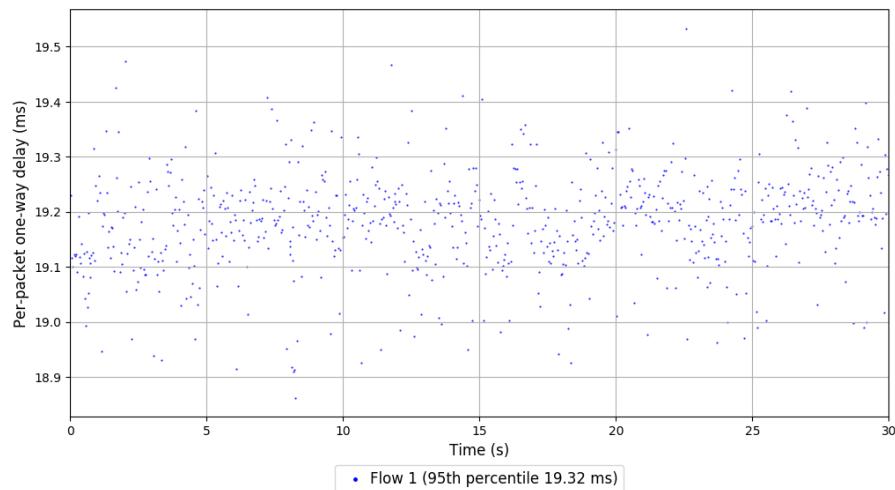
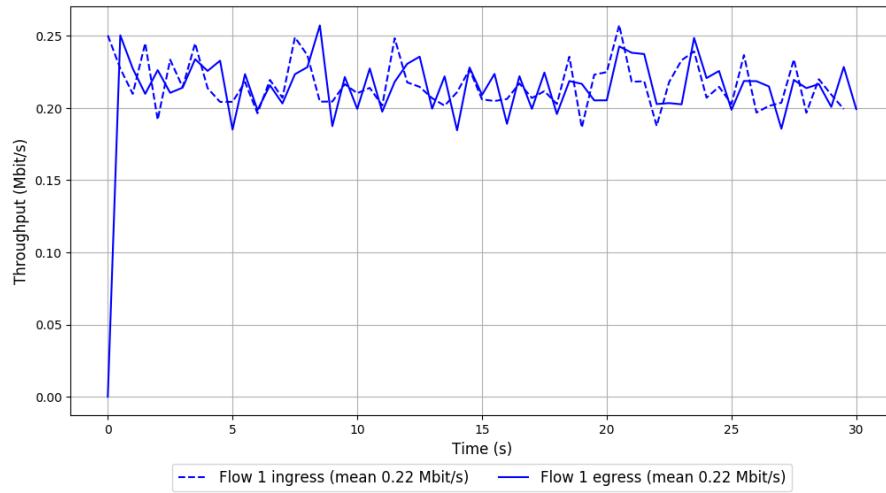


Run 10: Statistics of SCReAM

```
Start at: 2018-06-29 16:39:19
End at: 2018-06-29 16:39:49
Local clock offset: 0.037 ms
Remote clock offset: -3.979 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

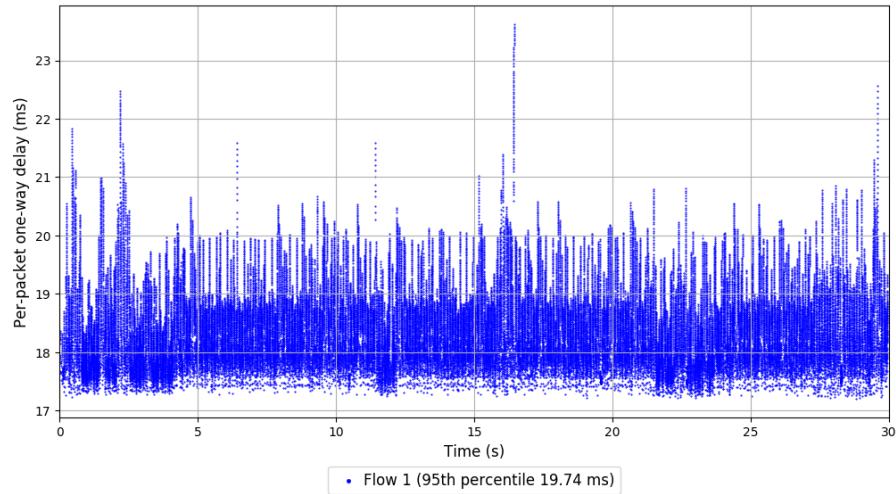
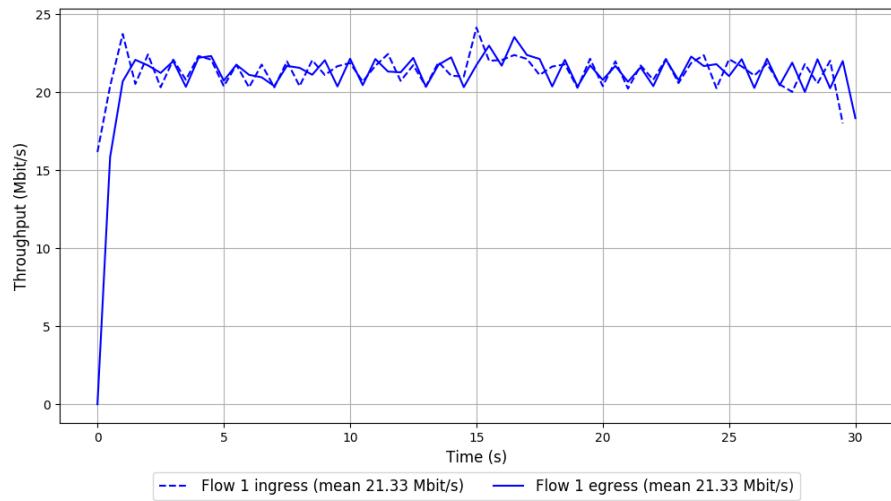


Run 1: Statistics of Sprout

```
Start at: 2018-06-29 12:50:04
End at: 2018-06-29 12:50:34
Local clock offset: 2.804 ms
Remote clock offset: 1.274 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.33 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.33 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

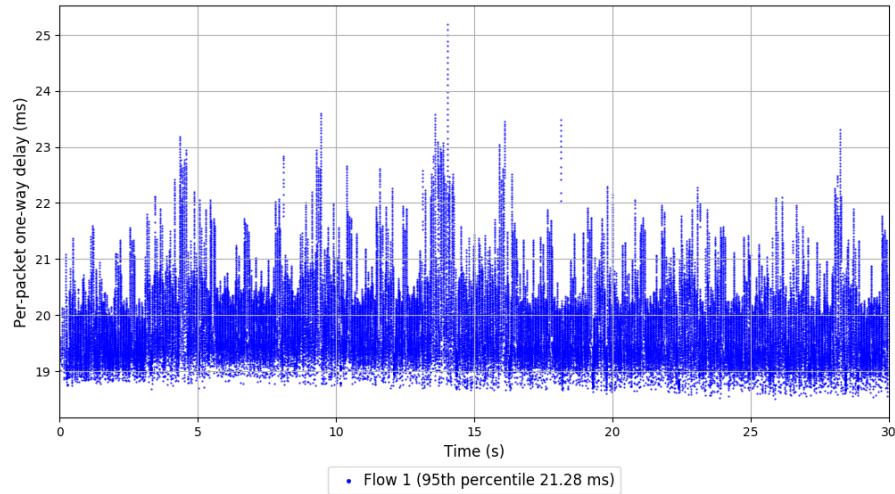
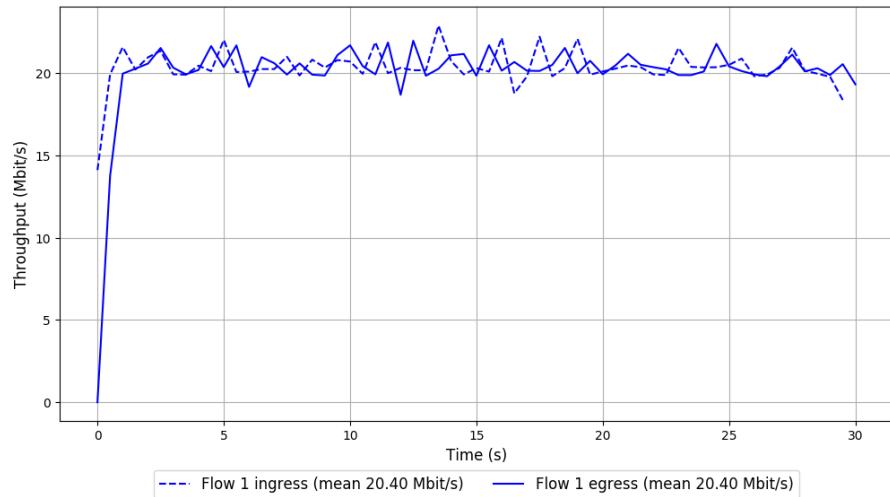


Run 2: Statistics of Sprout

```
Start at: 2018-06-29 13:15:14
End at: 2018-06-29 13:15:44
Local clock offset: 5.278 ms
Remote clock offset: 4.805 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 21.276 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 21.276 ms
Loss rate: 0.01%
```

Run 2: Report of Sprout — Data Link

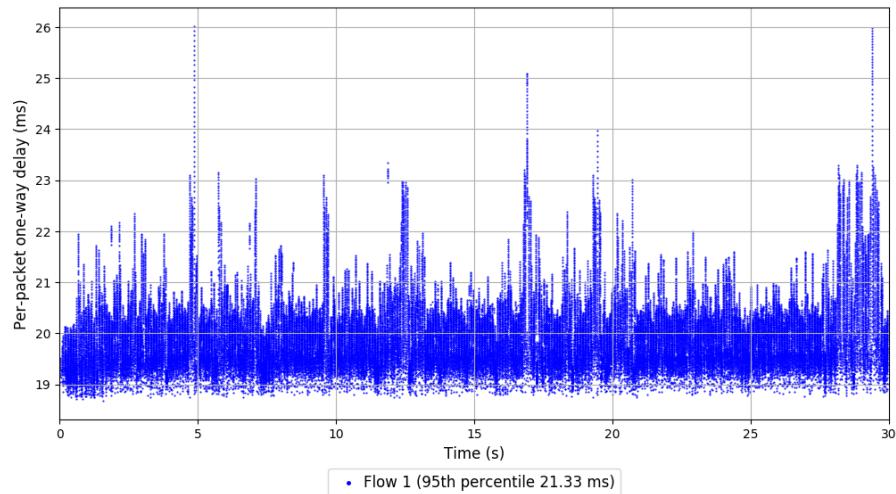
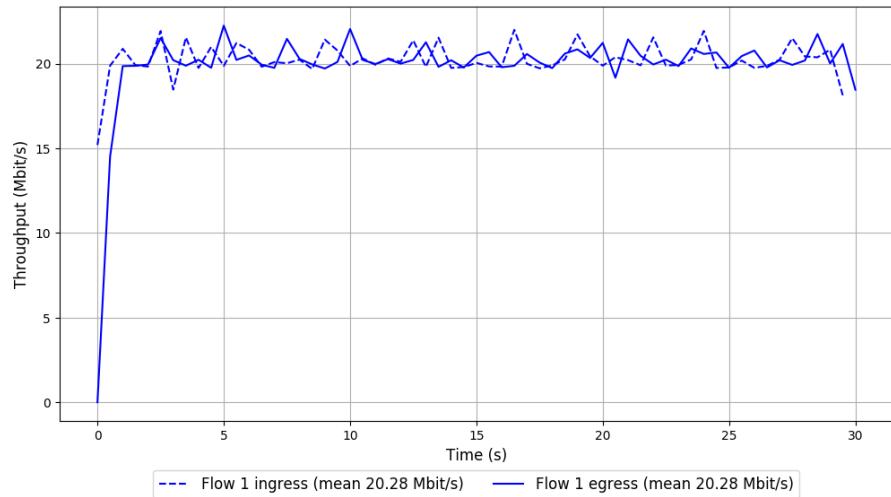


Run 3: Statistics of Sprout

```
Start at: 2018-06-29 13:40:26
End at: 2018-06-29 13:40:56
Local clock offset: 0.518 ms
Remote clock offset: -3.287 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 21.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 21.330 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

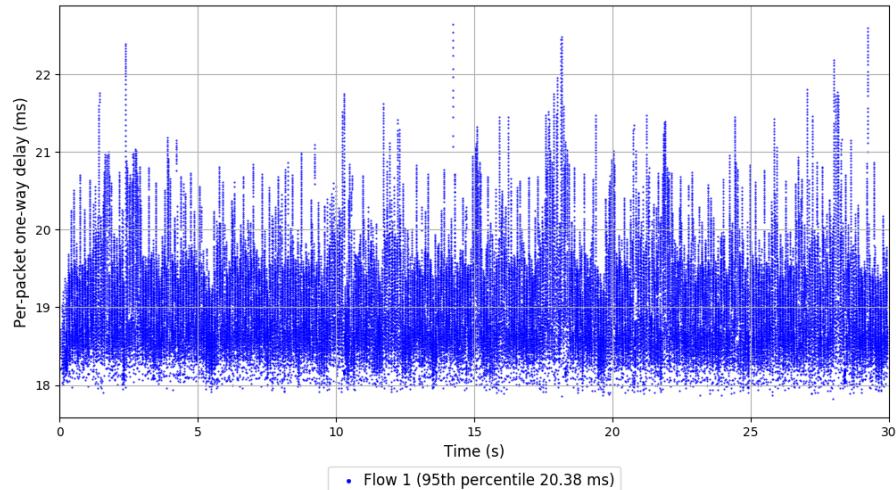
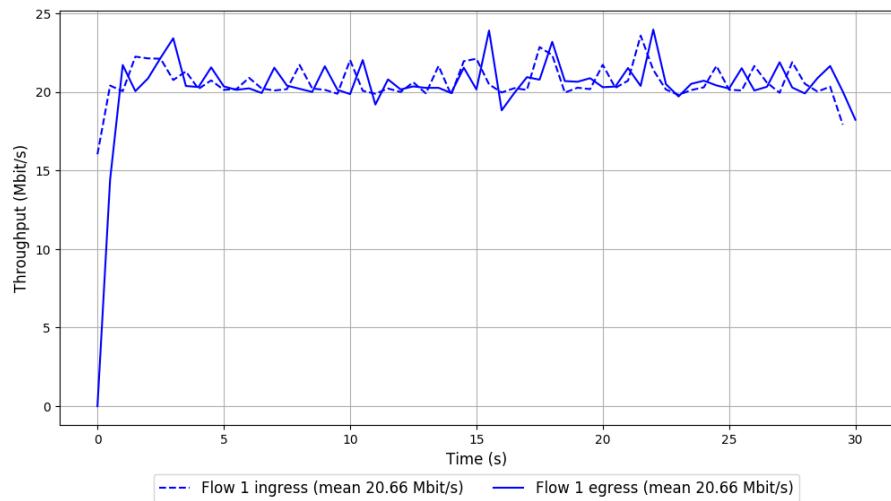


Run 4: Statistics of Sprout

```
Start at: 2018-06-29 14:05:39
End at: 2018-06-29 14:06:09
Local clock offset: -3.176 ms
Remote clock offset: -0.757 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 20.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 20.384 ms
Loss rate: 0.00%
```

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

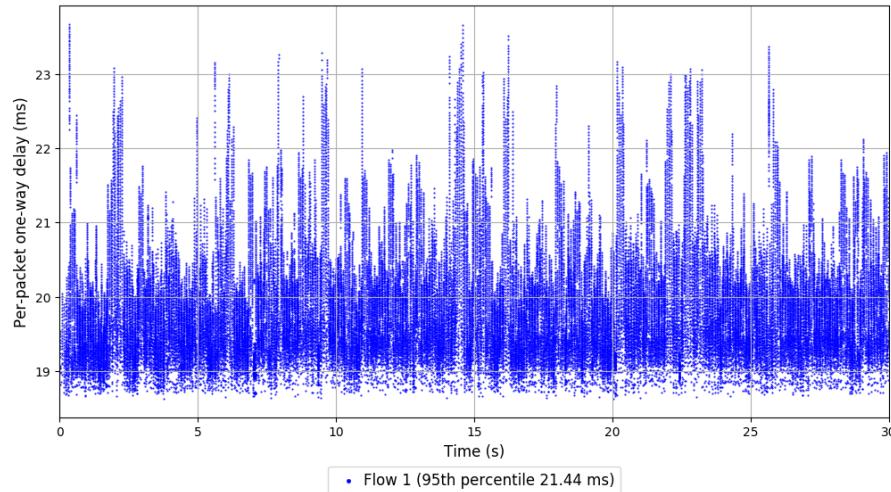
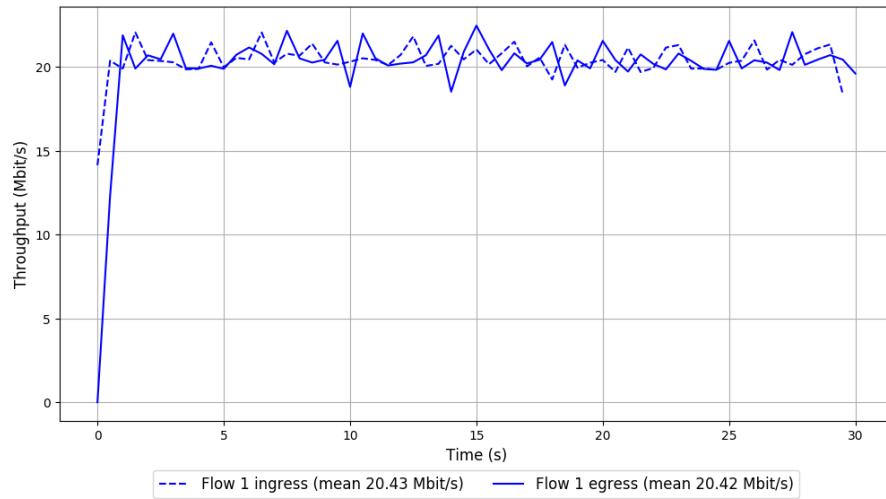


Run 5: Statistics of Sprout

```
Start at: 2018-06-29 14:30:39
End at: 2018-06-29 14:31:09
Local clock offset: 2.845 ms
Remote clock offset: 1.416 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 21.443 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 21.443 ms
Loss rate: 0.03%
```

Run 5: Report of Sprout — Data Link

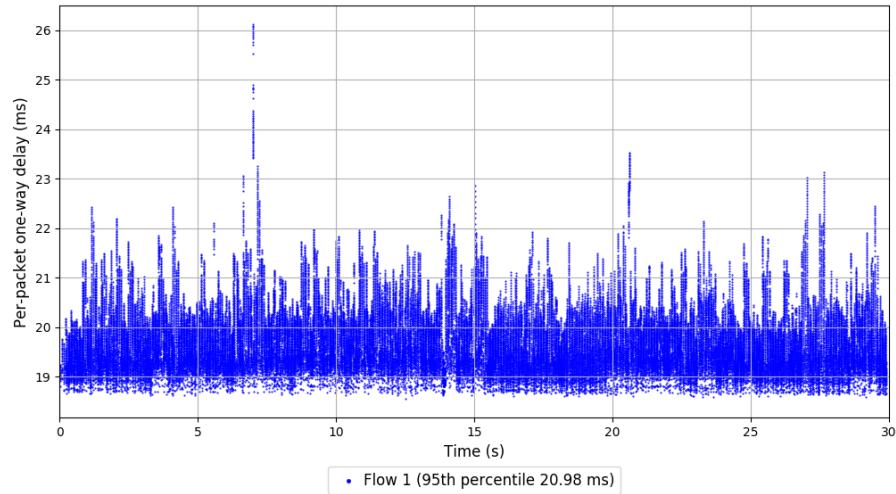
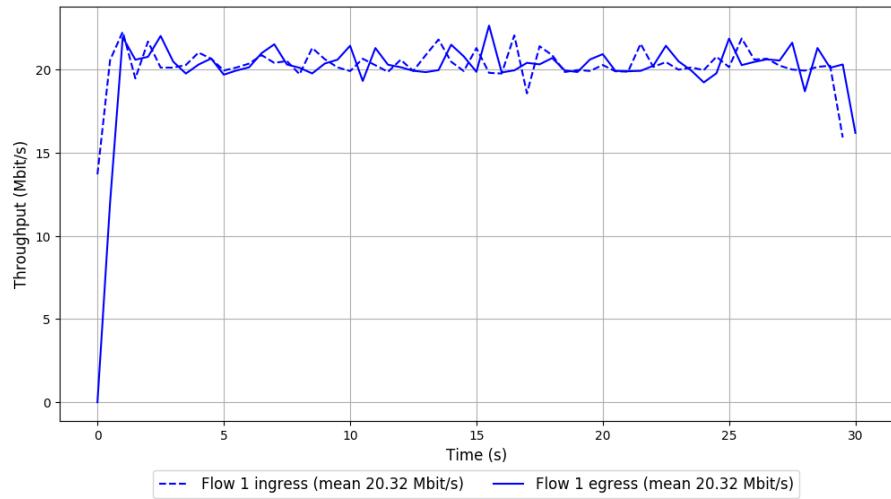


Run 6: Statistics of Sprout

```
Start at: 2018-06-29 14:55:45
End at: 2018-06-29 14:56:15
Local clock offset: 3.971 ms
Remote clock offset: 4.149 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 20.985 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 20.985 ms
Loss rate: 0.01%
```

Run 6: Report of Sprout — Data Link

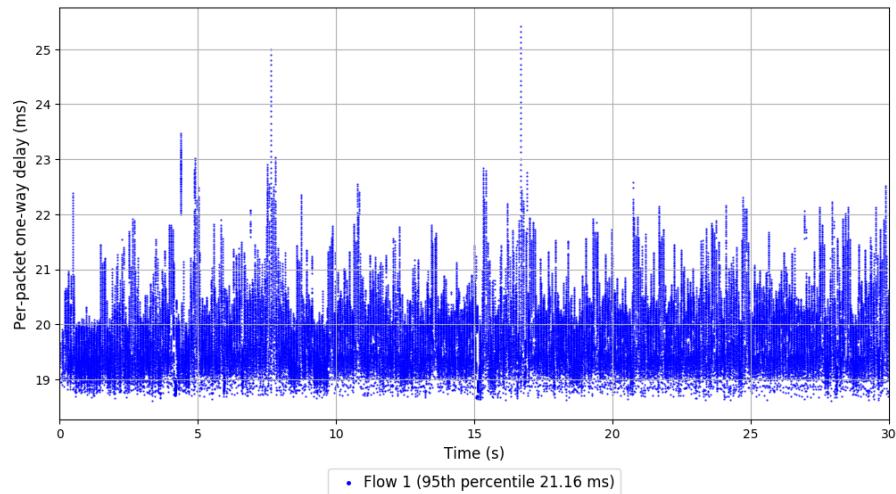
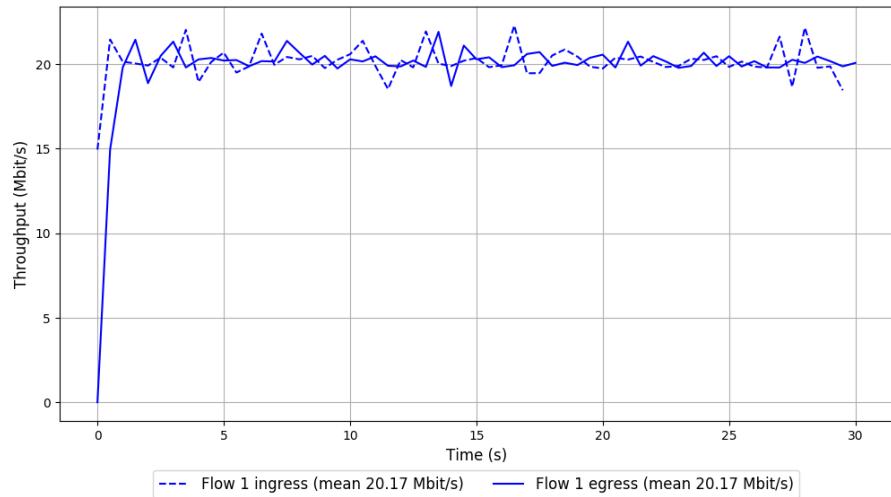


Run 7: Statistics of Sprout

```
Start at: 2018-06-29 15:20:55
End at: 2018-06-29 15:21:25
Local clock offset: 2.379 ms
Remote clock offset: -4.496 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 21.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 21.161 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

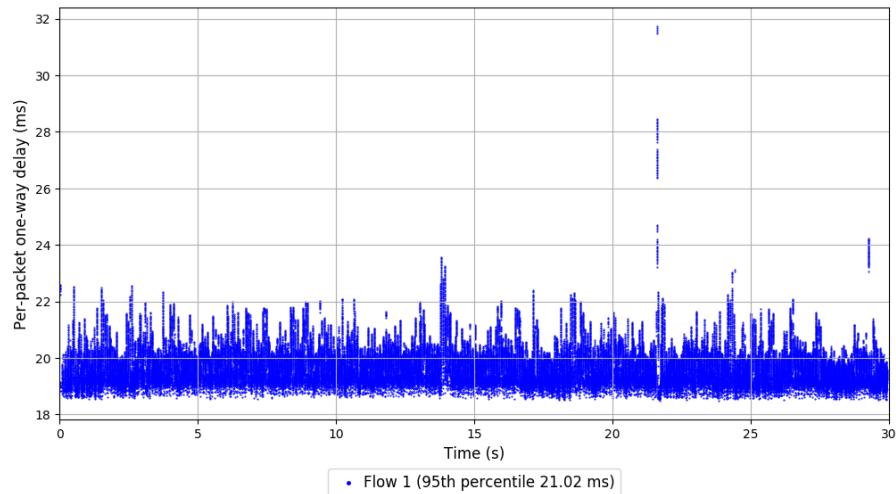
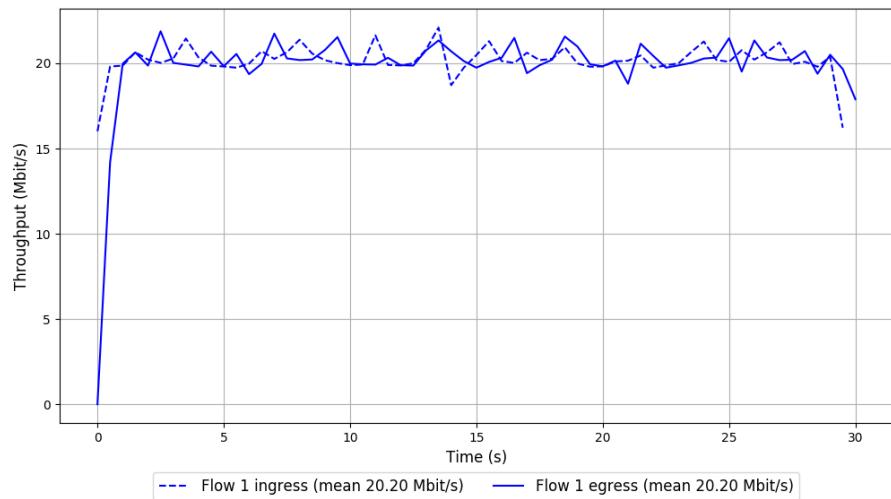


Run 8: Statistics of Sprout

```
Start at: 2018-06-29 15:46:02
End at: 2018-06-29 15:46:32
Local clock offset: -0.227 ms
Remote clock offset: -1.91 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 21.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 21.025 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

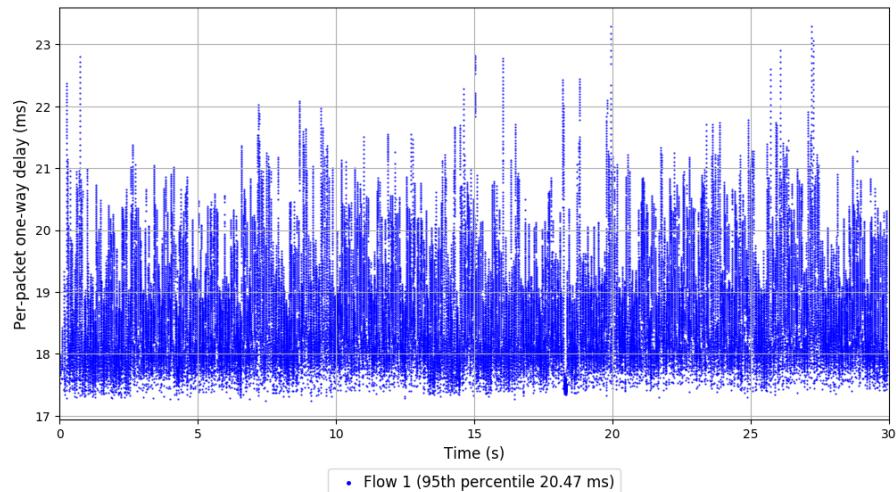
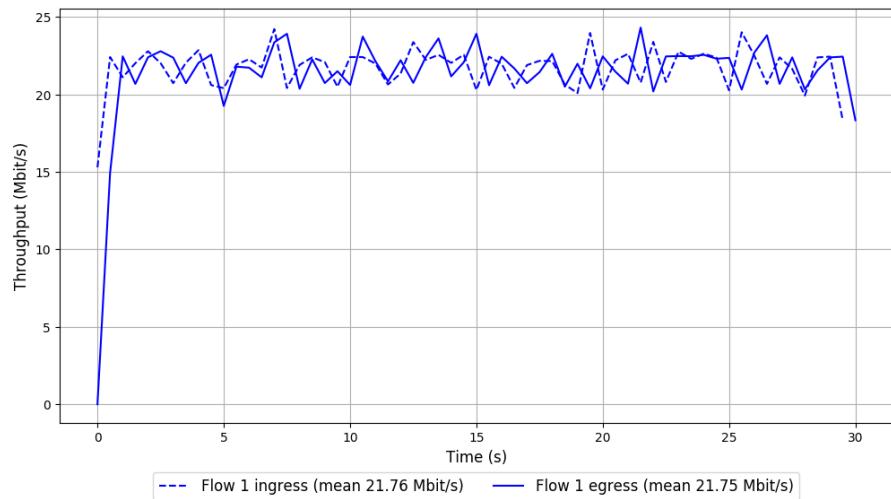


Run 9: Statistics of Sprout

```
Start at: 2018-06-29 16:11:16
End at: 2018-06-29 16:11:46
Local clock offset: -0.083 ms
Remote clock offset: -1.032 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 0.04%
```

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

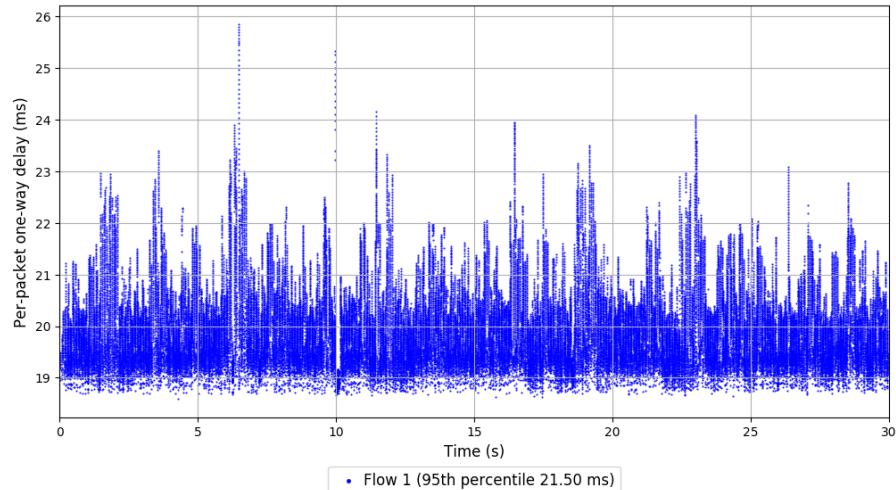
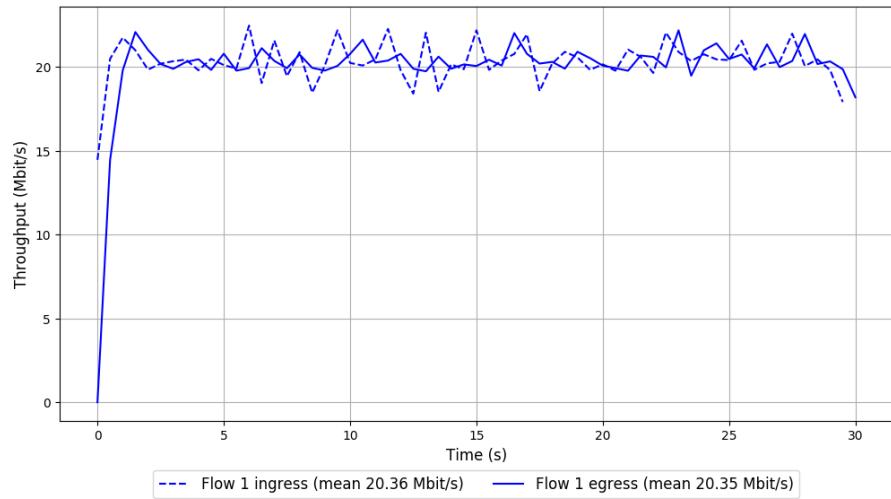


Run 10: Statistics of Sprout

```
Start at: 2018-06-29 16:36:36
End at: 2018-06-29 16:37:06
Local clock offset: 0.03 ms
Remote clock offset: -3.828 ms

# Below is generated by plot.py at 2018-06-29 18:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 21.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 21.496 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

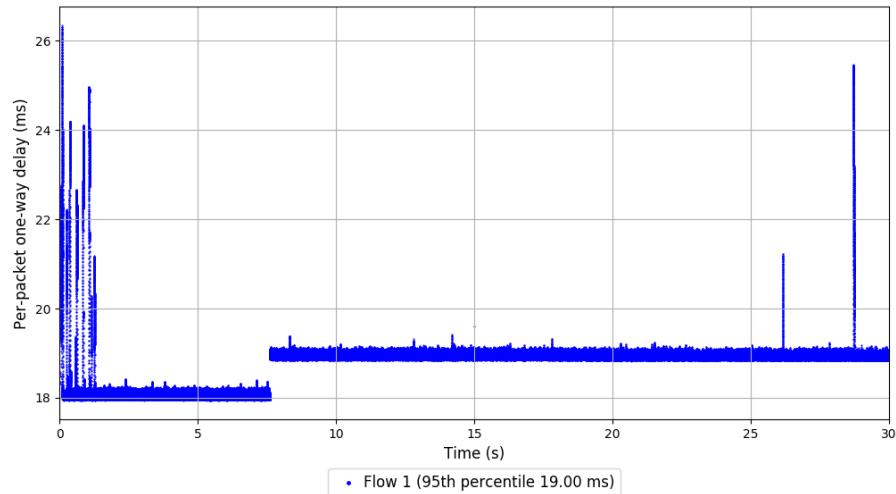
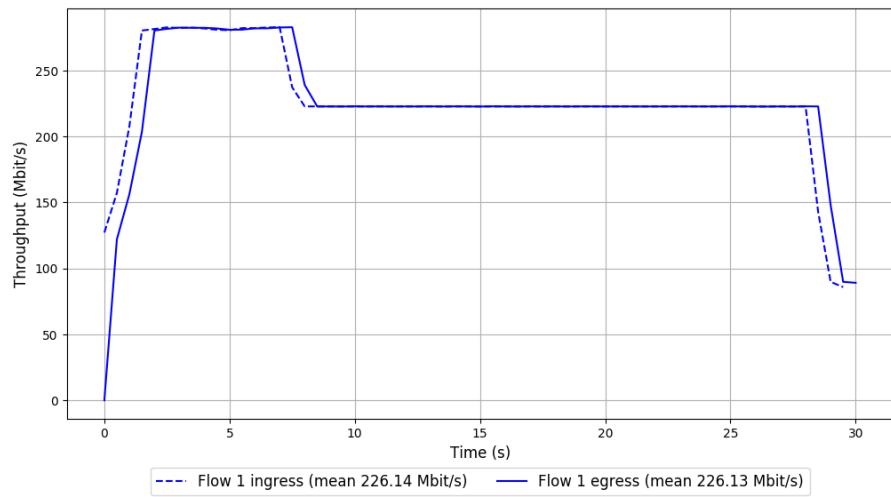


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:04:47
End at: 2018-06-29 13:05:17
Local clock offset: 4.443 ms
Remote clock offset: 3.759 ms

# Below is generated by plot.py at 2018-06-29 18:29:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.13 Mbit/s
95th percentile per-packet one-way delay: 18.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.13 Mbit/s
95th percentile per-packet one-way delay: 18.998 ms
Loss rate: 0.00%
```

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

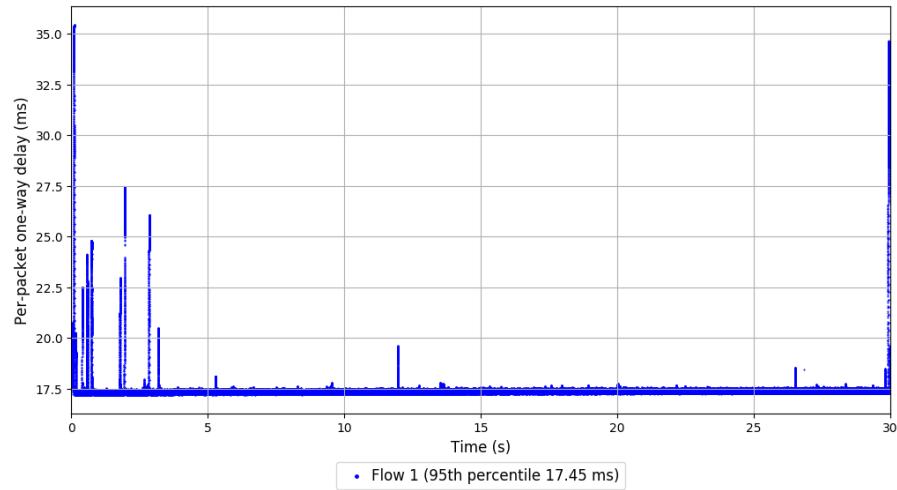
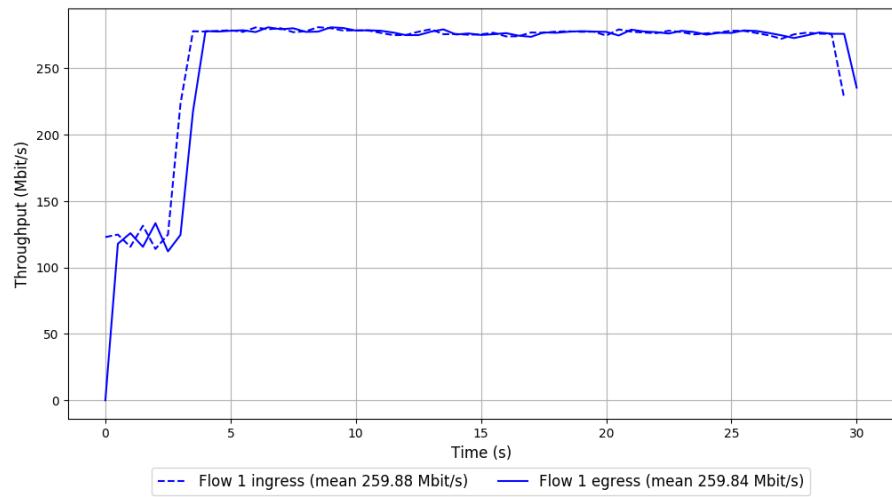


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:29:58
End at: 2018-06-29 13:30:28
Local clock offset: 1.321 ms
Remote clock offset: -1.343 ms

# Below is generated by plot.py at 2018-06-29 18:30:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.84 Mbit/s
95th percentile per-packet one-way delay: 17.450 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 259.84 Mbit/s
95th percentile per-packet one-way delay: 17.450 ms
Loss rate: 0.01%
```

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

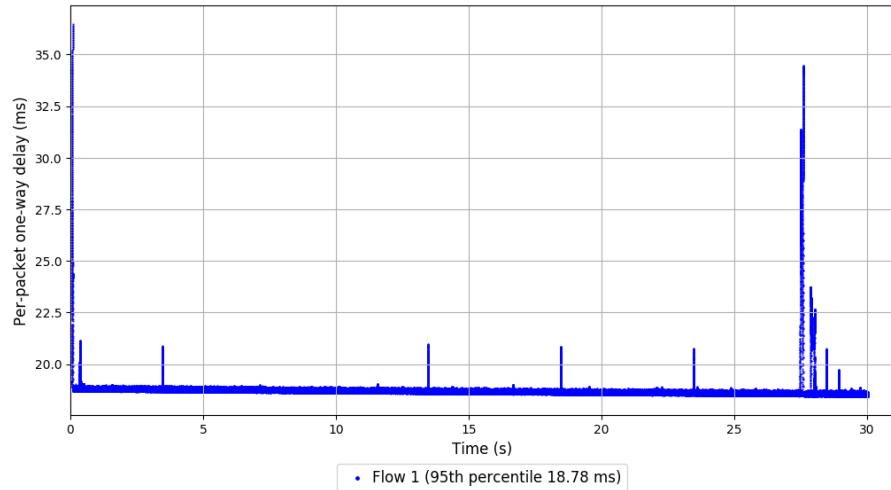
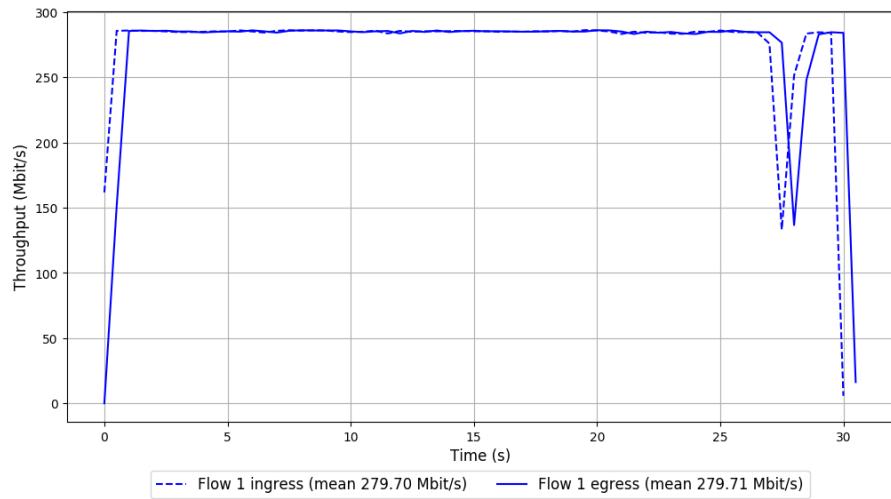


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:55:09
End at: 2018-06-29 13:55:40
Local clock offset: -1.95 ms
Remote clock offset: -3.138 ms

# Below is generated by plot.py at 2018-06-29 18:30:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 279.71 Mbit/s
95th percentile per-packet one-way delay: 18.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 279.71 Mbit/s
95th percentile per-packet one-way delay: 18.776 ms
Loss rate: 0.00%
```

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

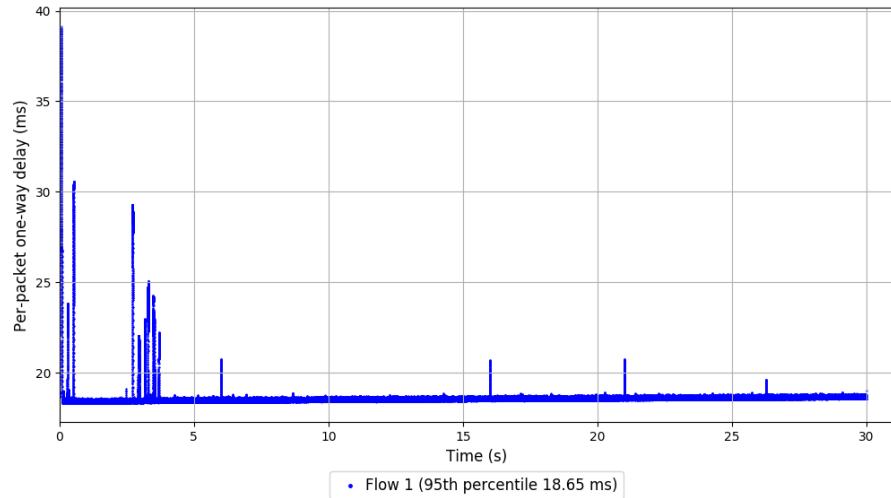
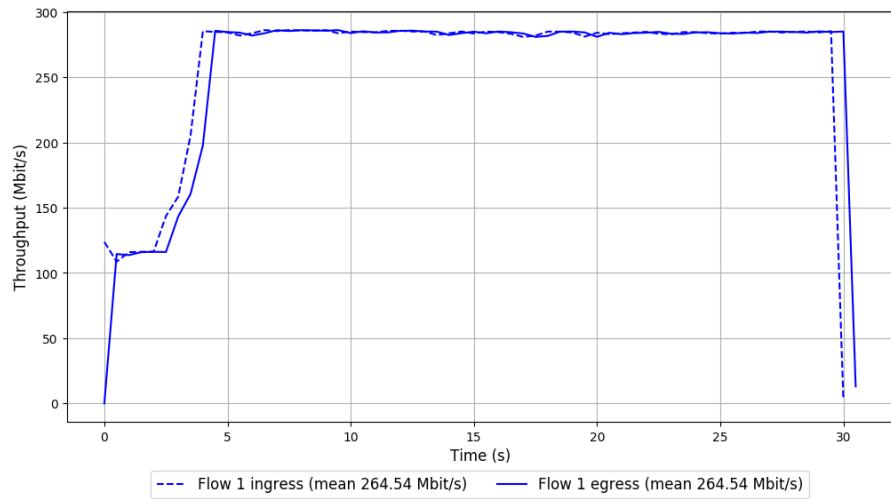


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-29 14:20:19
End at: 2018-06-29 14:20:49
Local clock offset: -0.812 ms
Remote clock offset: 0.219 ms

# Below is generated by plot.py at 2018-06-29 18:30:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.54 Mbit/s
95th percentile per-packet one-way delay: 18.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 264.54 Mbit/s
95th percentile per-packet one-way delay: 18.652 ms
Loss rate: 0.00%
```

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

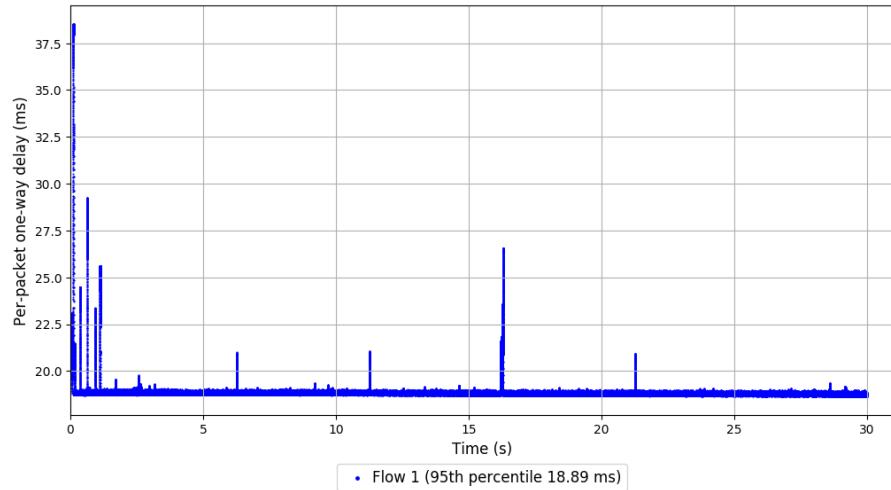
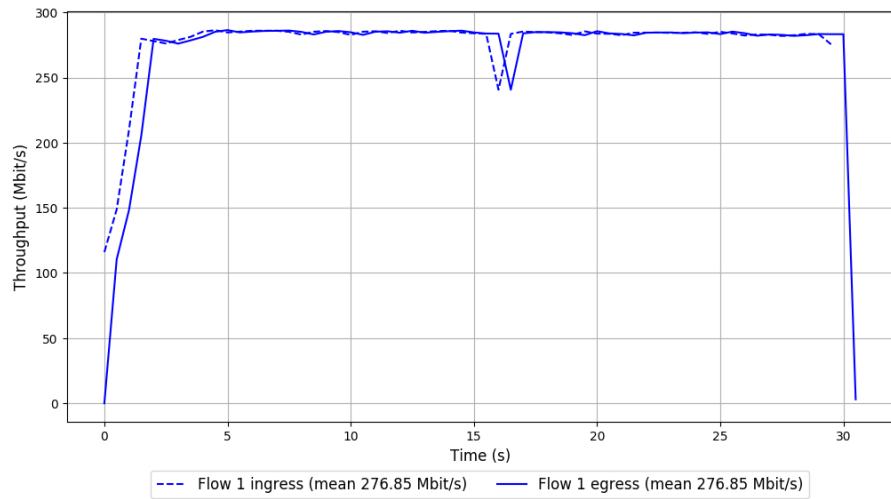


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-29 14:45:12
End at: 2018-06-29 14:45:42
Local clock offset: 4.591 ms
Remote clock offset: 3.435 ms

# Below is generated by plot.py at 2018-06-29 18:32:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 276.85 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 276.85 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.00%
```

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

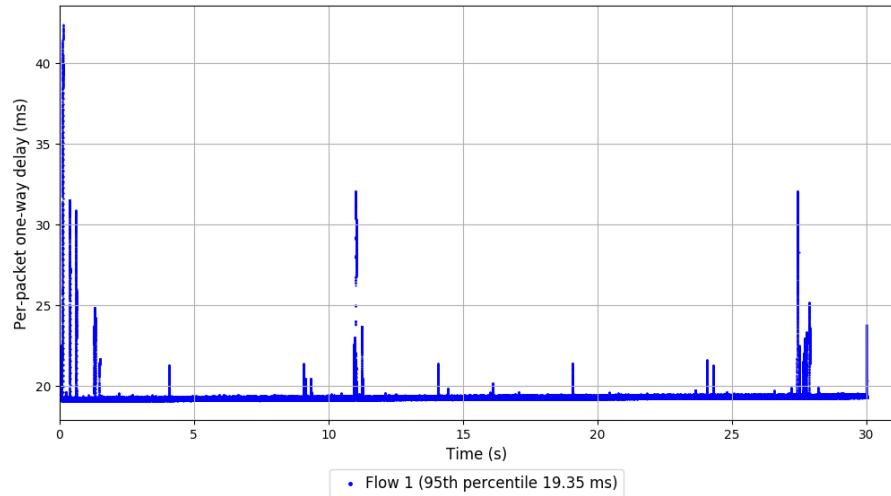
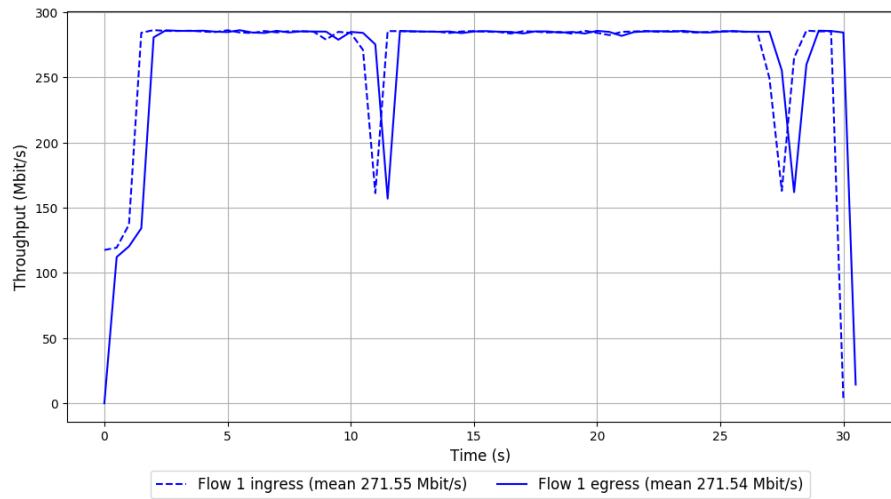


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-29 15:10:29
End at: 2018-06-29 15:11:00
Local clock offset: 3.933 ms
Remote clock offset: -1.591 ms

# Below is generated by plot.py at 2018-06-29 18:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.54 Mbit/s
95th percentile per-packet one-way delay: 19.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.54 Mbit/s
95th percentile per-packet one-way delay: 19.354 ms
Loss rate: 0.00%
```

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

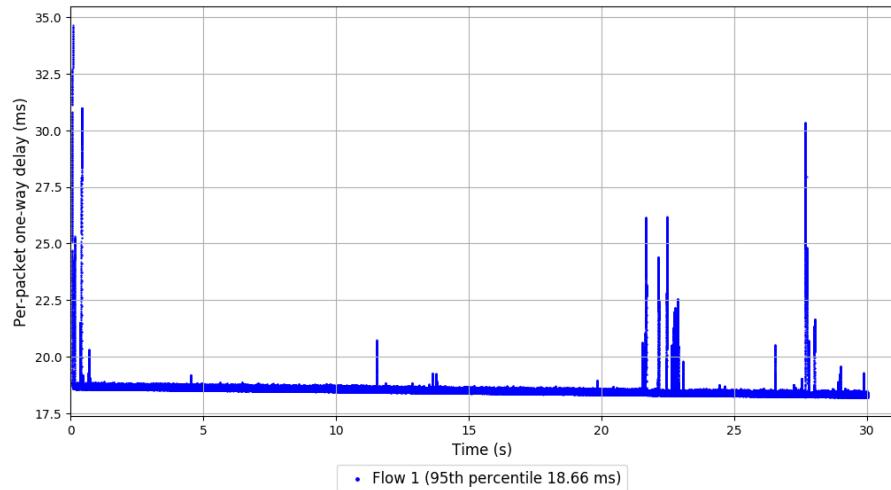
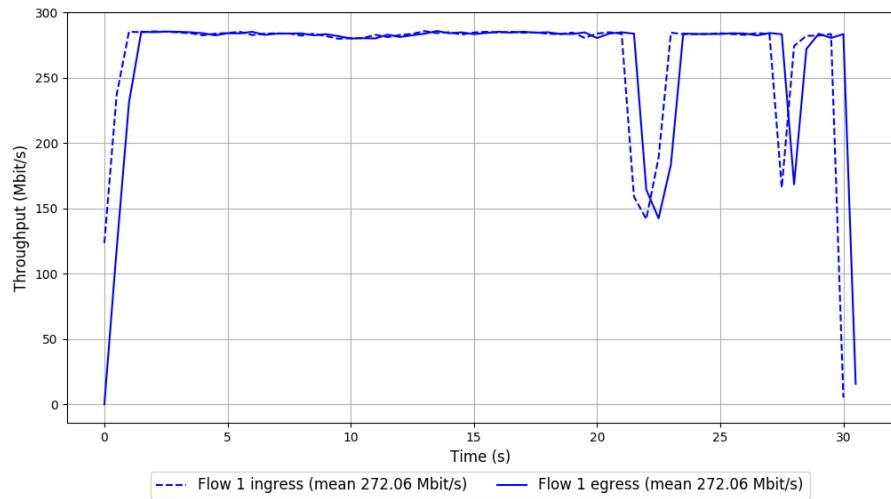


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-29 15:35:32
End at: 2018-06-29 15:36:02
Local clock offset: 0.268 ms
Remote clock offset: -6.196 ms

# Below is generated by plot.py at 2018-06-29 18:34:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.06 Mbit/s
95th percentile per-packet one-way delay: 18.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.06 Mbit/s
95th percentile per-packet one-way delay: 18.664 ms
Loss rate: 0.00%
```

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

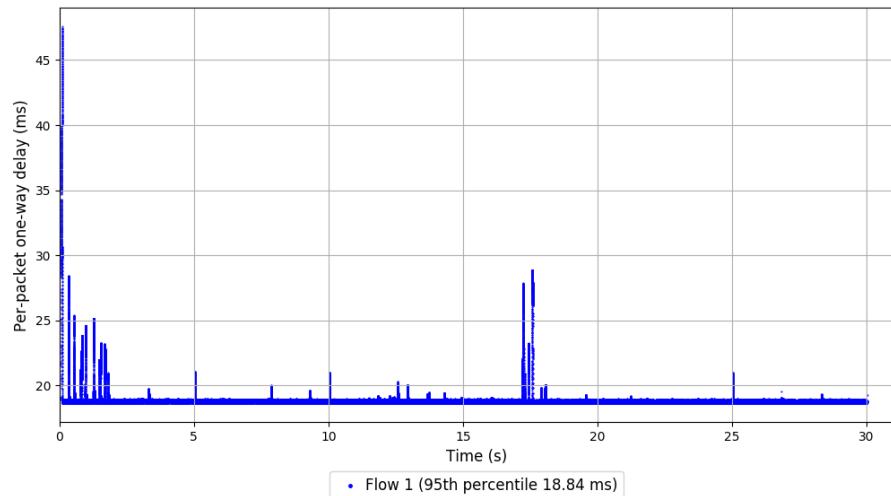
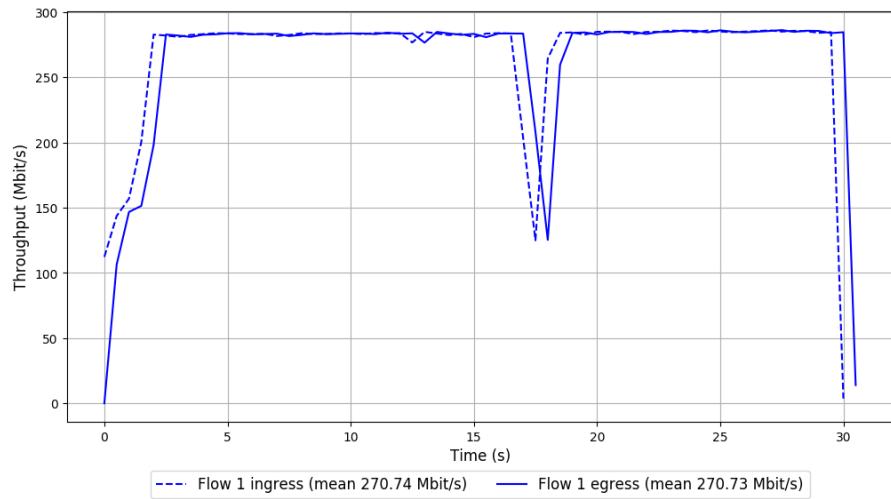


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-29 16:00:47
End at: 2018-06-29 16:01:17
Local clock offset: -0.081 ms
Remote clock offset: -0.561 ms

# Below is generated by plot.py at 2018-06-29 18:34:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.73 Mbit/s
95th percentile per-packet one-way delay: 18.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.73 Mbit/s
95th percentile per-packet one-way delay: 18.837 ms
Loss rate: 0.00%
```

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

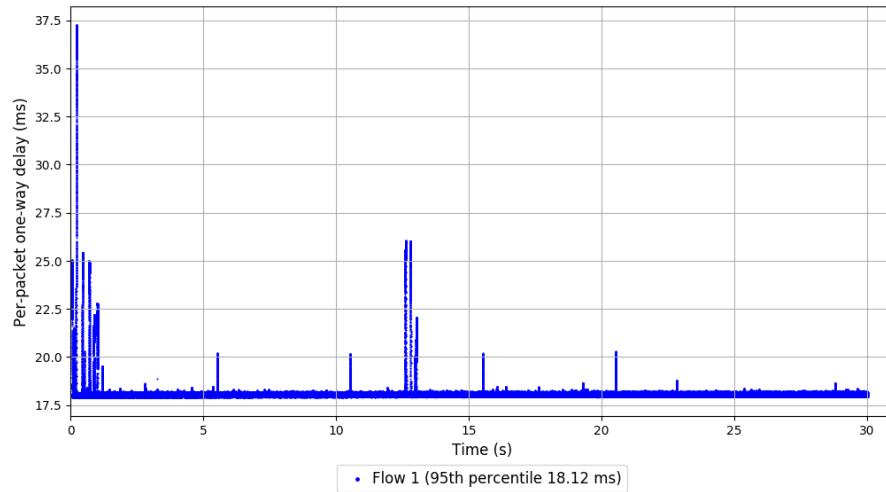
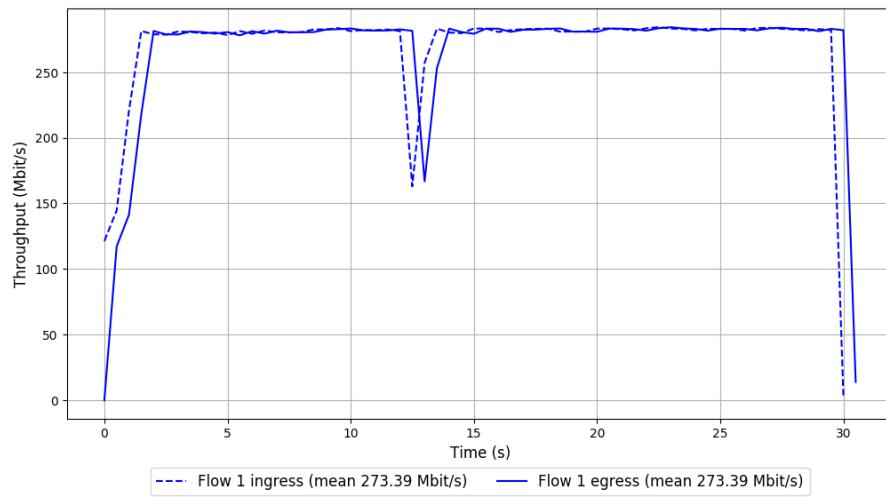


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-29 16:26:04
End at: 2018-06-29 16:26:34
Local clock offset: -0.043 ms
Remote clock offset: -3.196 ms

# Below is generated by plot.py at 2018-06-29 18:35:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.39 Mbit/s
95th percentile per-packet one-way delay: 18.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 273.39 Mbit/s
95th percentile per-packet one-way delay: 18.119 ms
Loss rate: 0.00%
```

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

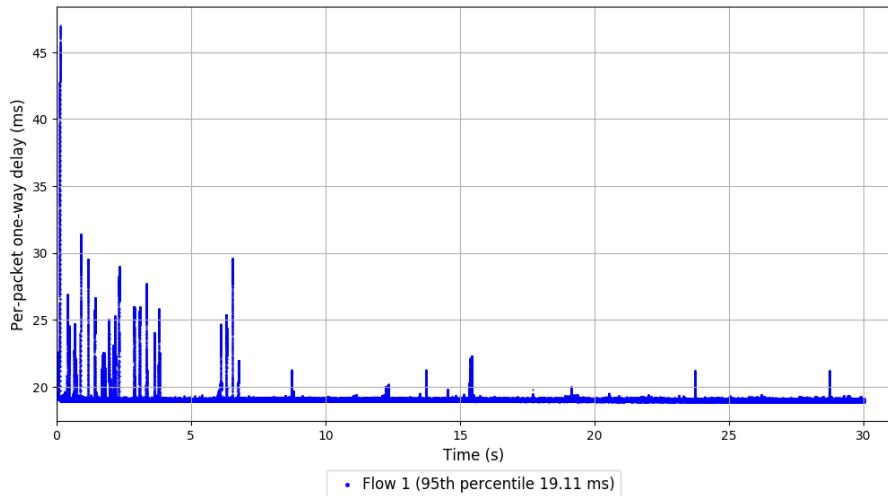
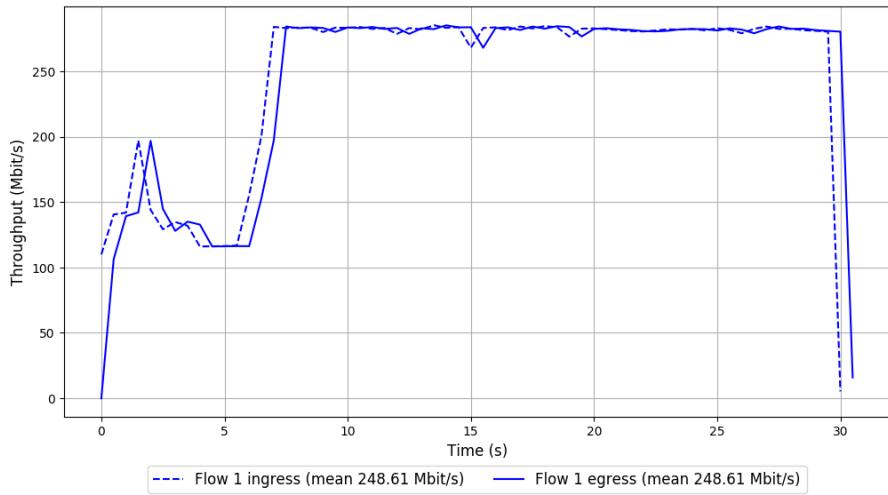


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-29 16:51:26
End at: 2018-06-29 16:51:57
Local clock offset: 1.727 ms
Remote clock offset: 0.649 ms

# Below is generated by plot.py at 2018-06-29 18:36:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.61 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.61 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.00%
```

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

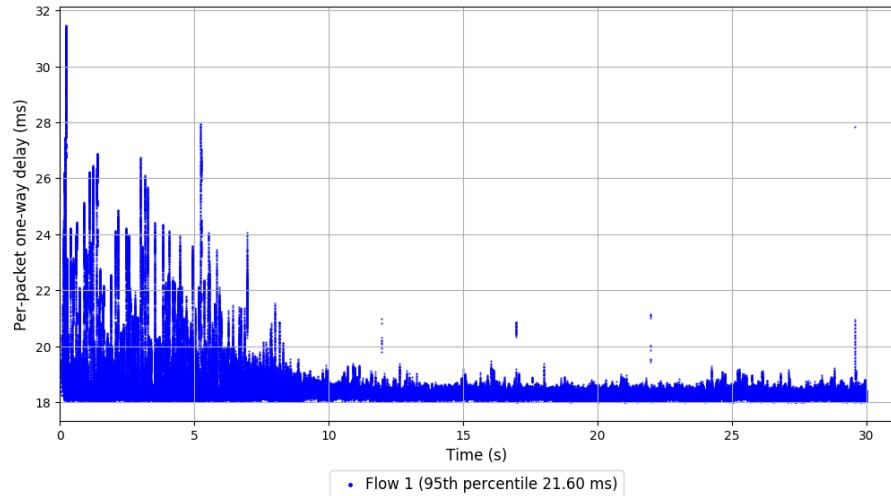
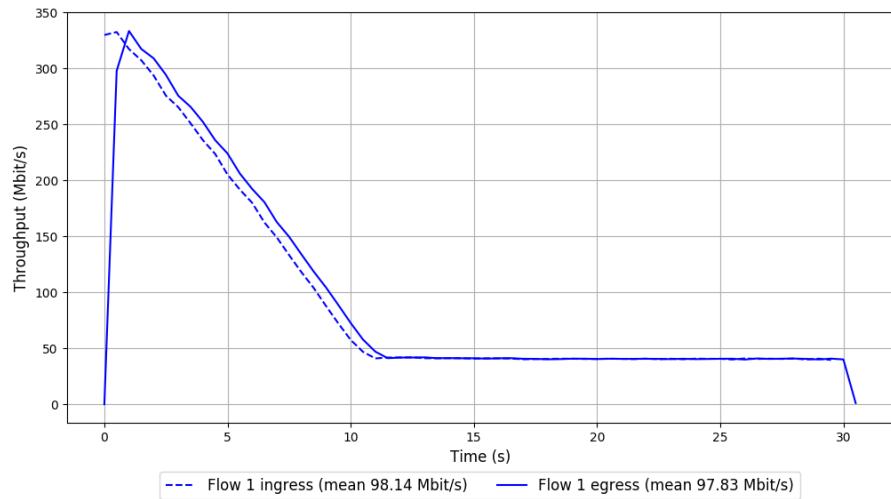


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-29 12:51:22
End at: 2018-06-29 12:51:52
Local clock offset: 2.899 ms
Remote clock offset: 1.601 ms

# Below is generated by plot.py at 2018-06-29 18:36:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.83 Mbit/s
95th percentile per-packet one-way delay: 21.597 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 97.83 Mbit/s
95th percentile per-packet one-way delay: 21.597 ms
Loss rate: 0.31%
```

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

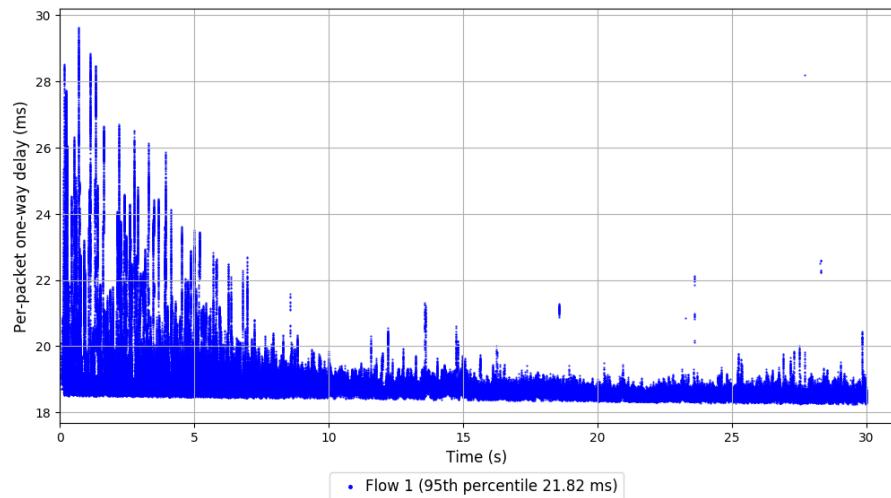
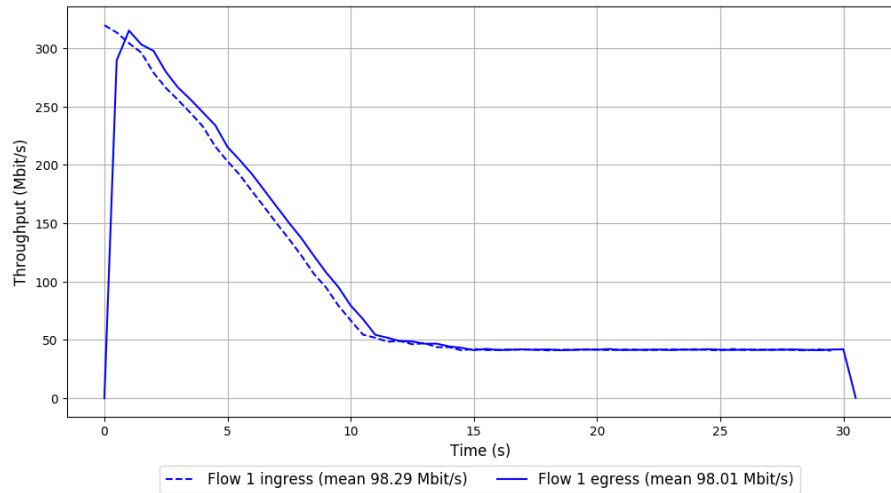


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-29 13:16:33
End at: 2018-06-29 13:17:03
Local clock offset: 4.984 ms
Remote clock offset: 4.845 ms

# Below is generated by plot.py at 2018-06-29 18:36:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.01 Mbit/s
95th percentile per-packet one-way delay: 21.824 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 98.01 Mbit/s
95th percentile per-packet one-way delay: 21.824 ms
Loss rate: 0.29%
```

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

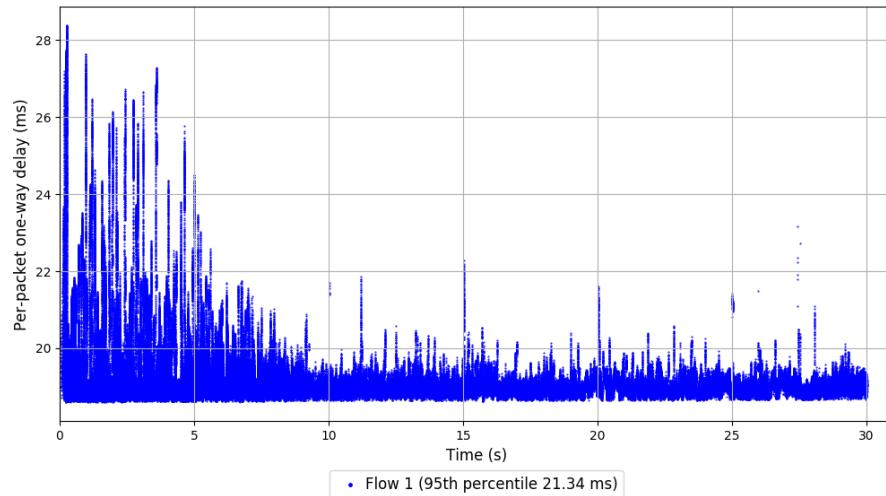
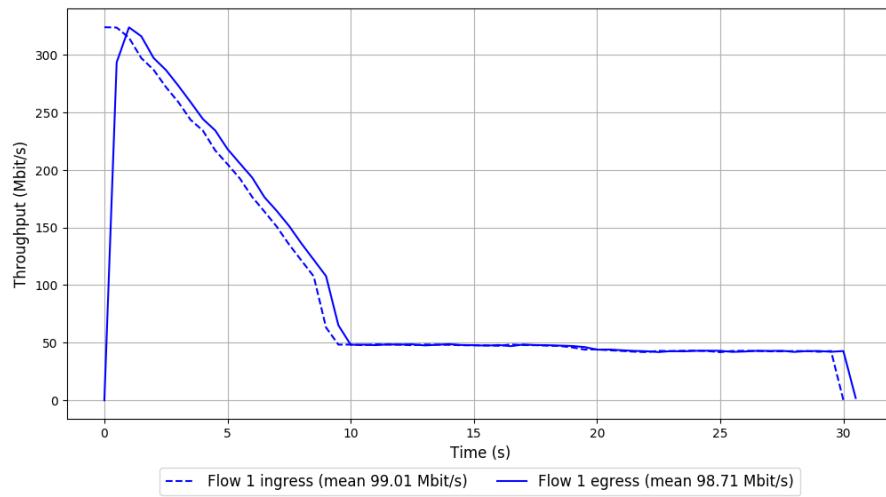


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-29 13:41:44
End at: 2018-06-29 13:42:14
Local clock offset: 0.556 ms
Remote clock offset: -3.466 ms

# Below is generated by plot.py at 2018-06-29 18:36:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.71 Mbit/s
95th percentile per-packet one-way delay: 21.340 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 98.71 Mbit/s
95th percentile per-packet one-way delay: 21.340 ms
Loss rate: 0.30%
```

Run 3: Report of TCP Vegas — Data Link

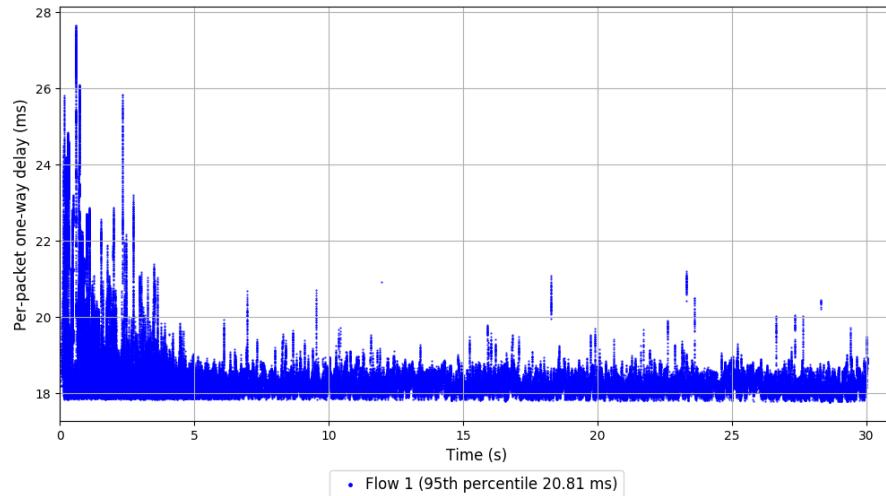
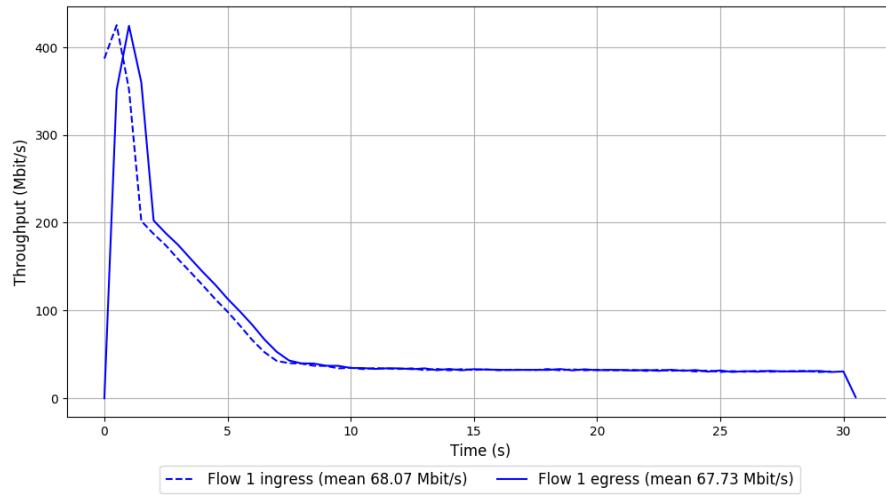


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-29 14:06:57
End at: 2018-06-29 14:07:27
Local clock offset: -3.268 ms
Remote clock offset: -0.644 ms

# Below is generated by plot.py at 2018-06-29 18:36:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 20.811 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 20.811 ms
Loss rate: 0.50%
```

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

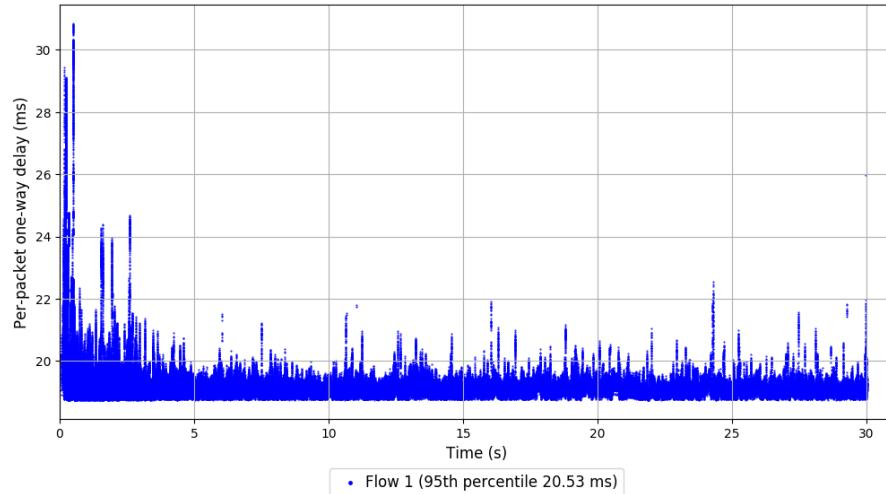
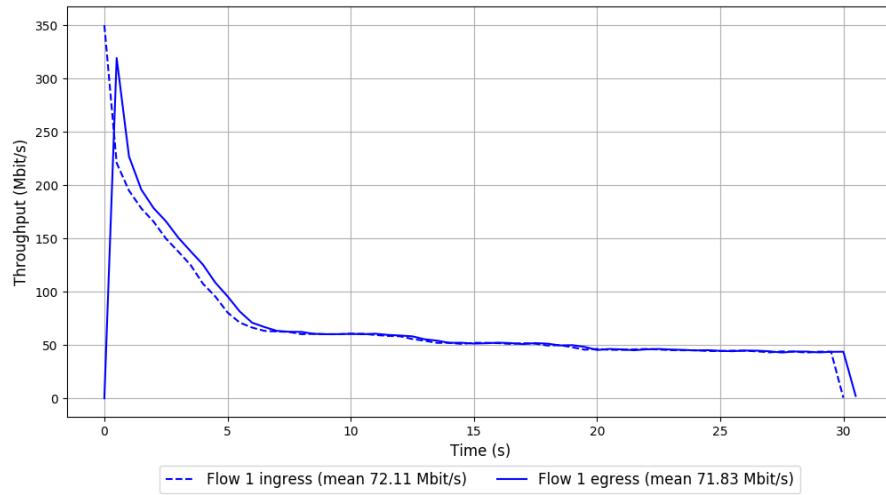


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-29 14:31:58
End at: 2018-06-29 14:32:28
Local clock offset: 3.078 ms
Remote clock offset: 1.787 ms

# Below is generated by plot.py at 2018-06-29 18:36:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.83 Mbit/s
95th percentile per-packet one-way delay: 20.533 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 71.83 Mbit/s
95th percentile per-packet one-way delay: 20.533 ms
Loss rate: 0.39%
```

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

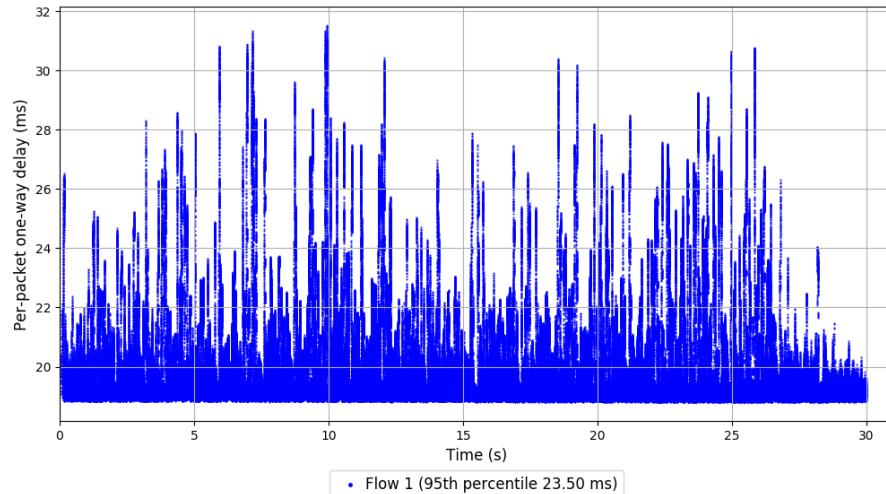
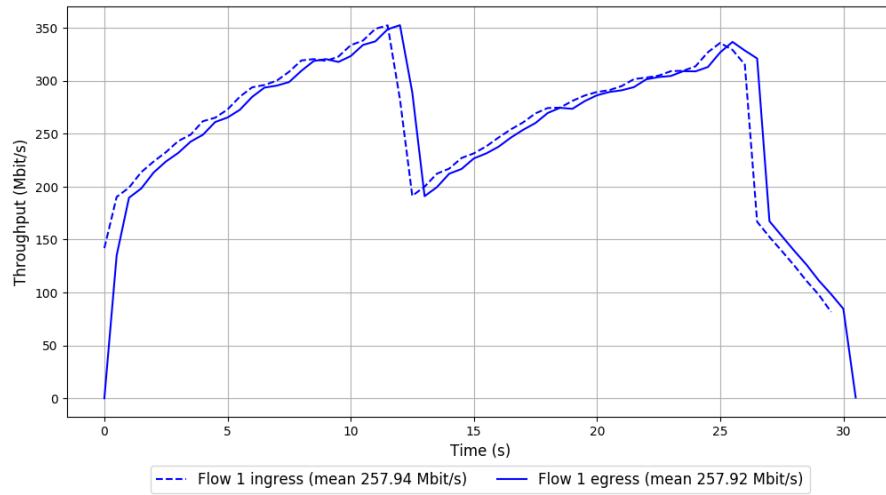


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-29 14:57:03
End at: 2018-06-29 14:57:33
Local clock offset: 3.956 ms
Remote clock offset: 4.278 ms

# Below is generated by plot.py at 2018-06-29 18:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.92 Mbit/s
95th percentile per-packet one-way delay: 23.505 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 257.92 Mbit/s
95th percentile per-packet one-way delay: 23.505 ms
Loss rate: 0.01%
```

Run 6: Report of TCP Vegas — Data Link

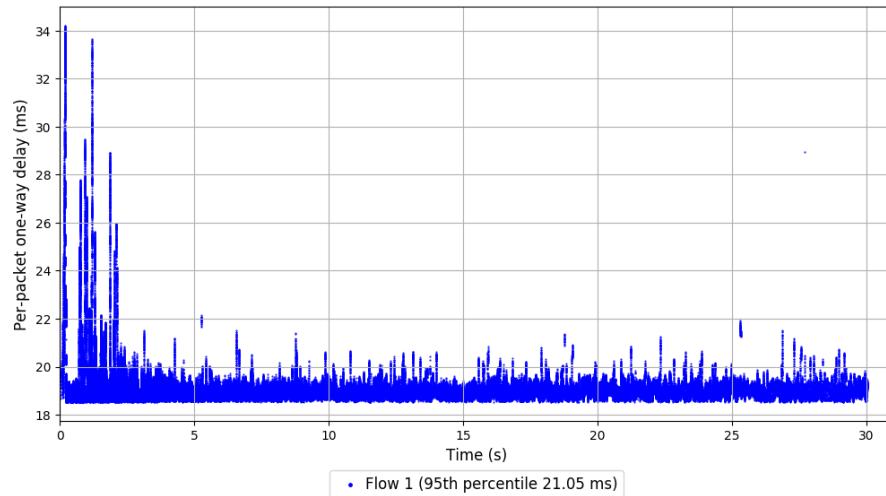
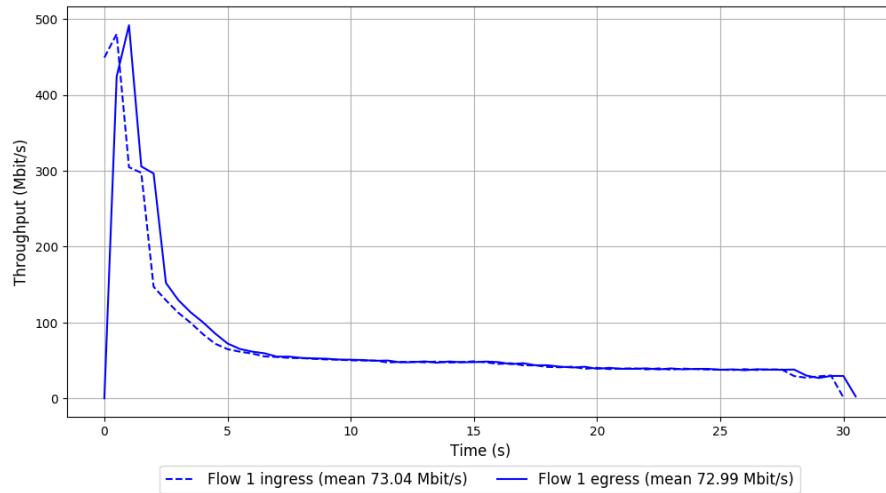


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-29 15:22:13
End at: 2018-06-29 15:22:43
Local clock offset: 2.025 ms
Remote clock offset: -4.684 ms

# Below is generated by plot.py at 2018-06-29 18:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 21.045 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 21.045 ms
Loss rate: 0.07%
```

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

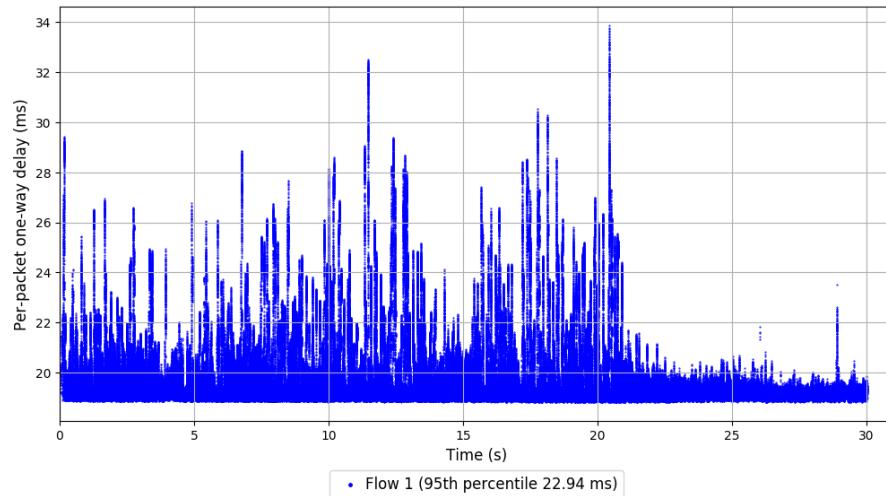
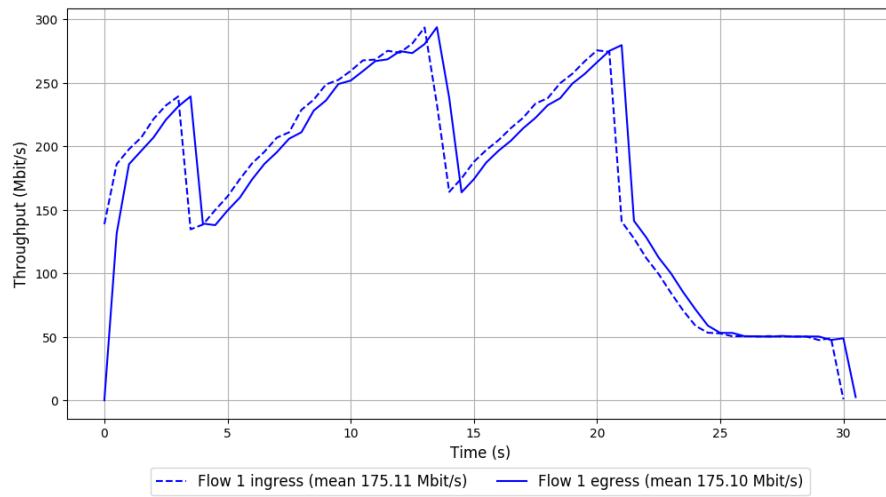


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-29 15:47:20
End at: 2018-06-29 15:47:50
Local clock offset: -0.272 ms
Remote clock offset: -1.654 ms

# Below is generated by plot.py at 2018-06-29 18:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.10 Mbit/s
95th percentile per-packet one-way delay: 22.942 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 175.10 Mbit/s
95th percentile per-packet one-way delay: 22.942 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link

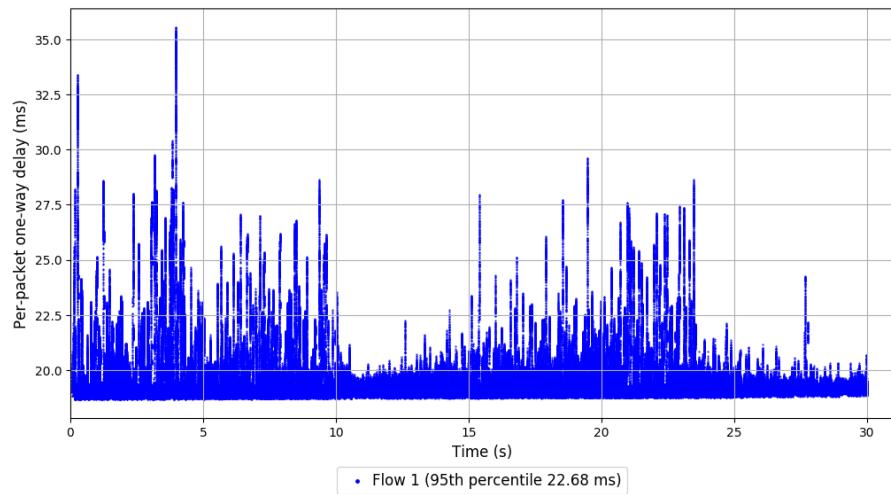
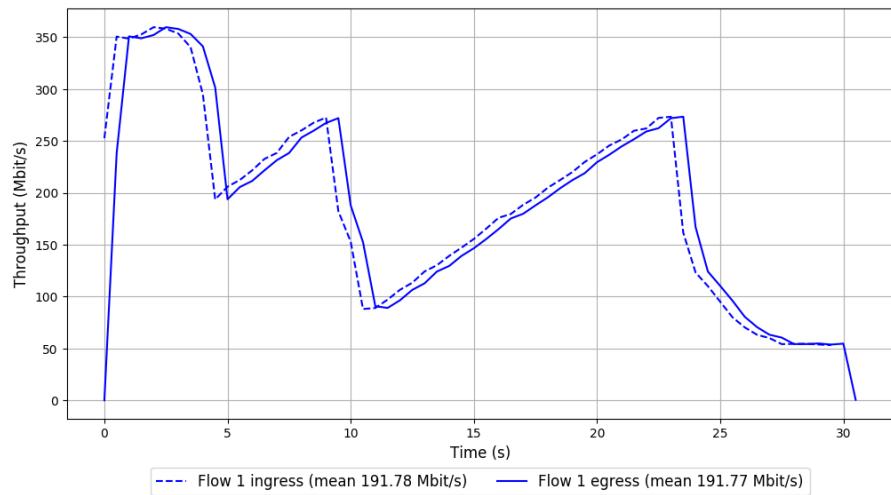


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-29 16:12:35
End at: 2018-06-29 16:13:05
Local clock offset: -0.096 ms
Remote clock offset: -1.294 ms

# Below is generated by plot.py at 2018-06-29 18:36:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.77 Mbit/s
95th percentile per-packet one-way delay: 22.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.77 Mbit/s
95th percentile per-packet one-way delay: 22.683 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

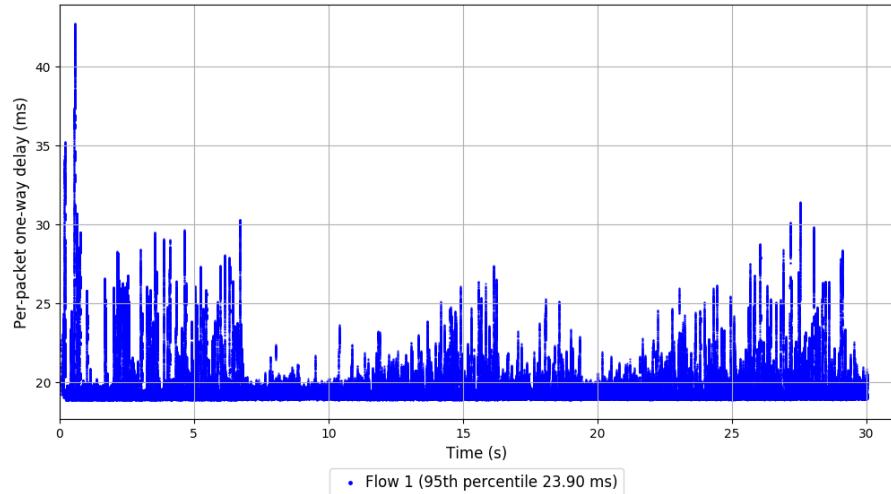
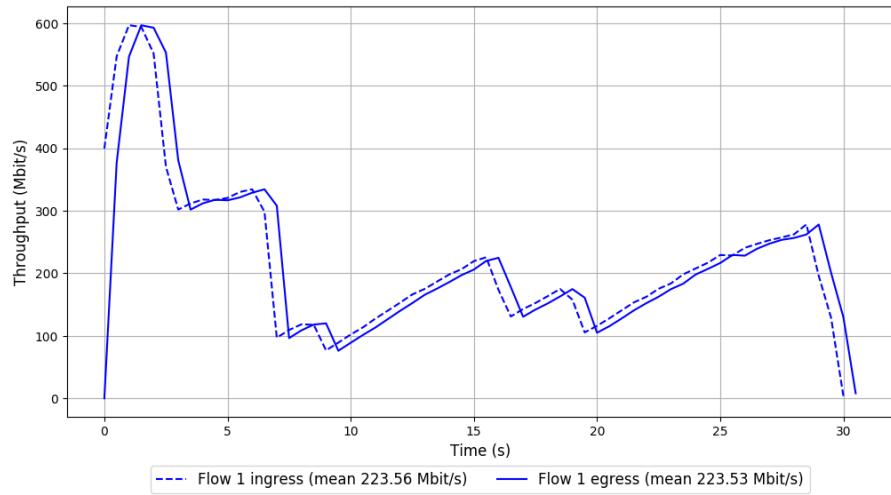


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-29 16:37:55
End at: 2018-06-29 16:38:25
Local clock offset: 0.015 ms
Remote clock offset: -3.892 ms

# Below is generated by plot.py at 2018-06-29 18:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.53 Mbit/s
95th percentile per-packet one-way delay: 23.903 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 223.53 Mbit/s
95th percentile per-packet one-way delay: 23.903 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link

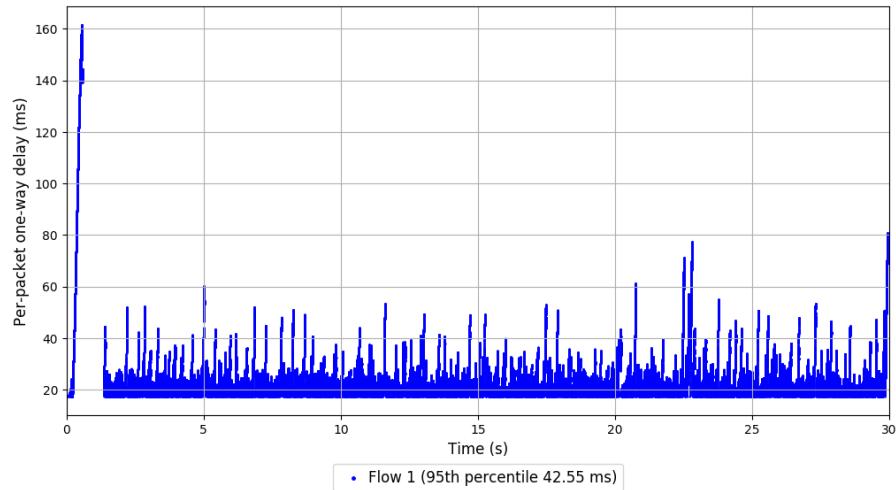
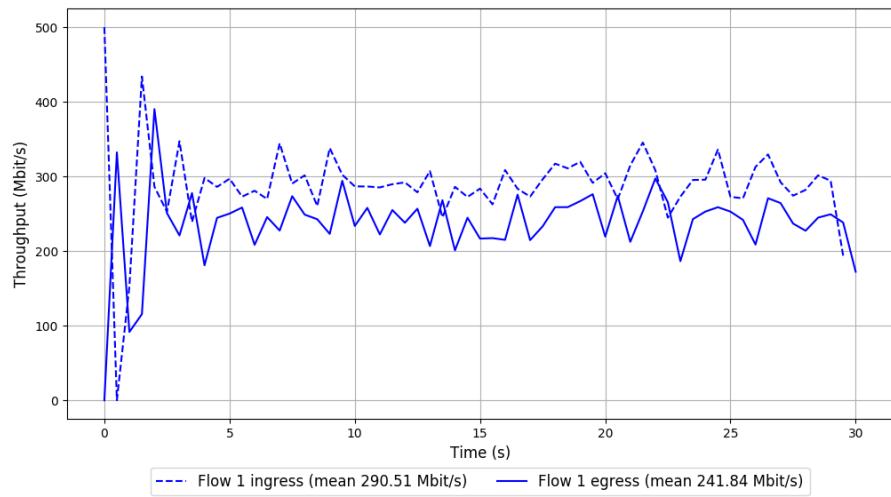


Run 1: Statistics of Verus

```
Start at: 2018-06-29 12:48:35
End at: 2018-06-29 12:49:05
Local clock offset: 2.547 ms
Remote clock offset: 0.865 ms

# Below is generated by plot.py at 2018-06-29 18:37:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.84 Mbit/s
95th percentile per-packet one-way delay: 42.548 ms
Loss rate: 16.59%
-- Flow 1:
Average throughput: 241.84 Mbit/s
95th percentile per-packet one-way delay: 42.548 ms
Loss rate: 16.59%
```

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

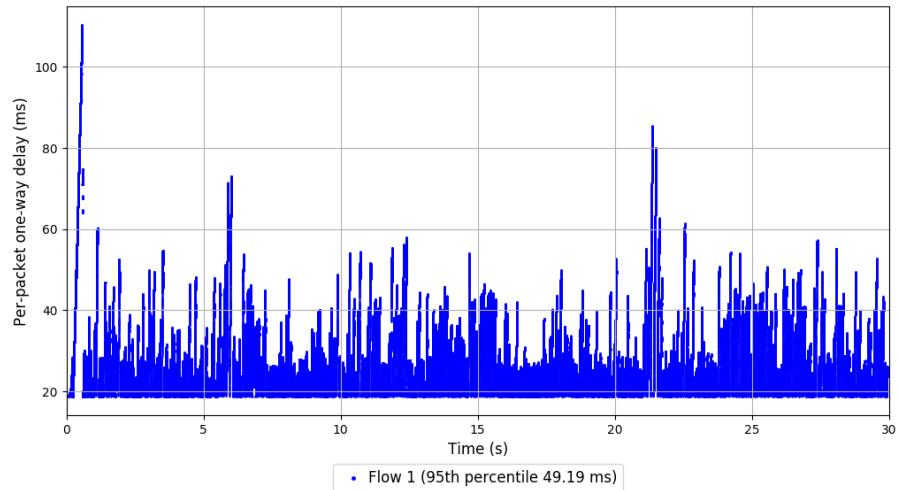
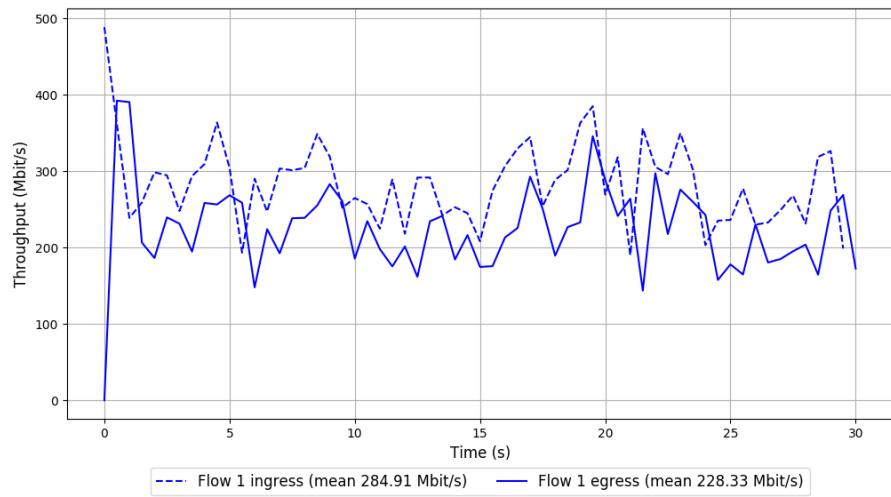


Run 2: Statistics of Verus

```
Start at: 2018-06-29 13:13:46
End at: 2018-06-29 13:14:16
Local clock offset: 5.079 ms
Remote clock offset: 4.614 ms

# Below is generated by plot.py at 2018-06-29 18:38:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.33 Mbit/s
95th percentile per-packet one-way delay: 49.191 ms
Loss rate: 19.84%
-- Flow 1:
Average throughput: 228.33 Mbit/s
95th percentile per-packet one-way delay: 49.191 ms
Loss rate: 19.84%
```

## Run 2: Report of Verus — Data Link

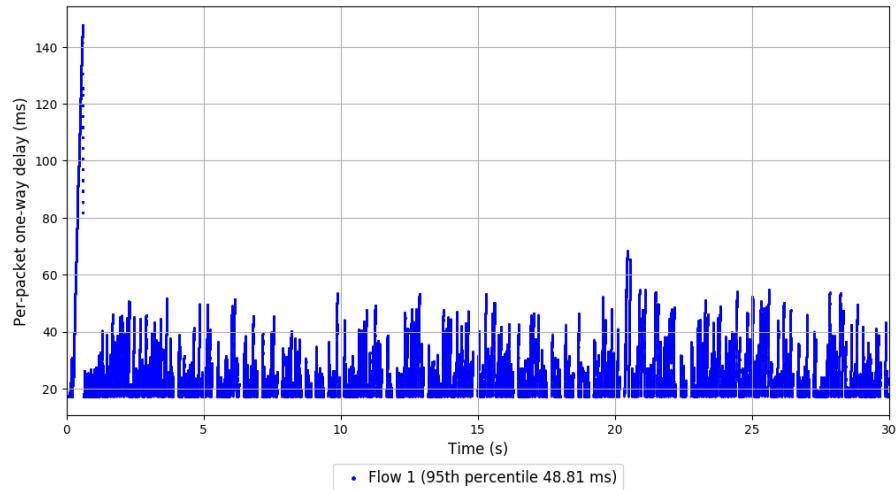
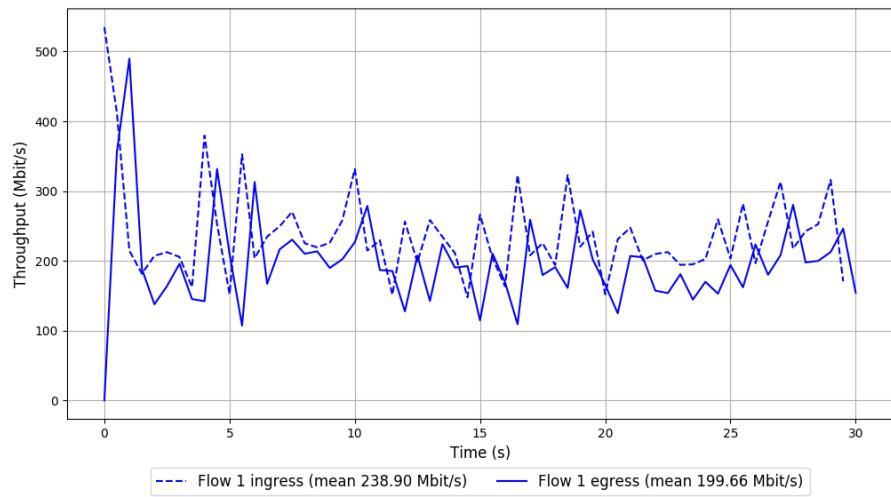


Run 3: Statistics of Verus

```
Start at: 2018-06-29 13:39:00
End at: 2018-06-29 13:39:30
Local clock offset: 0.679 ms
Remote clock offset: -3.152 ms

# Below is generated by plot.py at 2018-06-29 18:38:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.66 Mbit/s
95th percentile per-packet one-way delay: 48.807 ms
Loss rate: 16.43%
-- Flow 1:
Average throughput: 199.66 Mbit/s
95th percentile per-packet one-way delay: 48.807 ms
Loss rate: 16.43%
```

Run 3: Report of Verus — Data Link

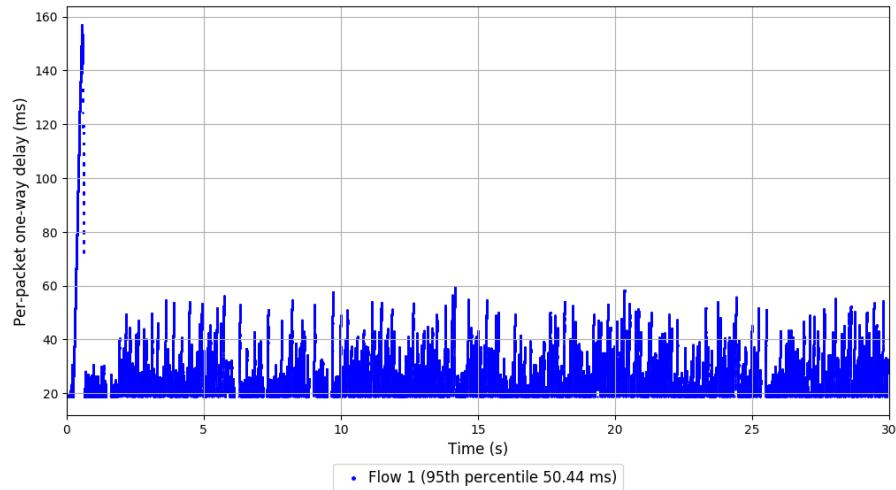
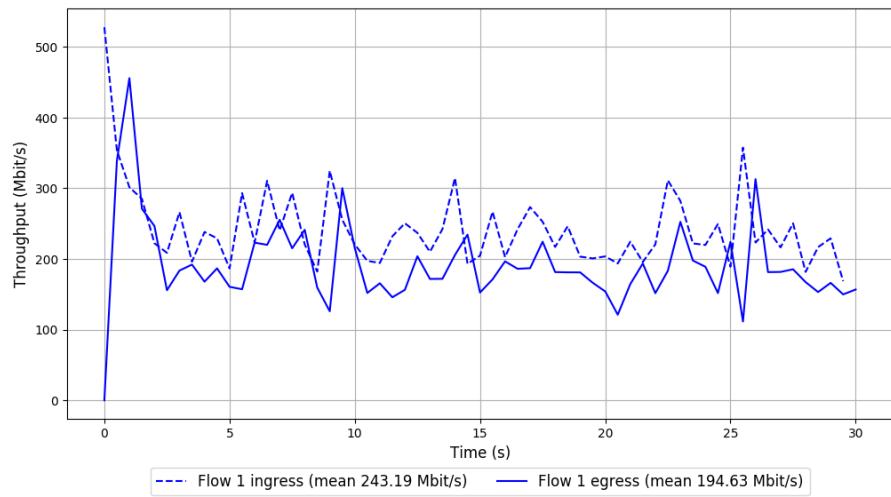


Run 4: Statistics of Verus

```
Start at: 2018-06-29 14:04:13
End at: 2018-06-29 14:04:43
Local clock offset: -3.049 ms
Remote clock offset: -0.962 ms

# Below is generated by plot.py at 2018-06-29 18:38:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.63 Mbit/s
95th percentile per-packet one-way delay: 50.436 ms
Loss rate: 19.93%
-- Flow 1:
Average throughput: 194.63 Mbit/s
95th percentile per-packet one-way delay: 50.436 ms
Loss rate: 19.93%
```

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

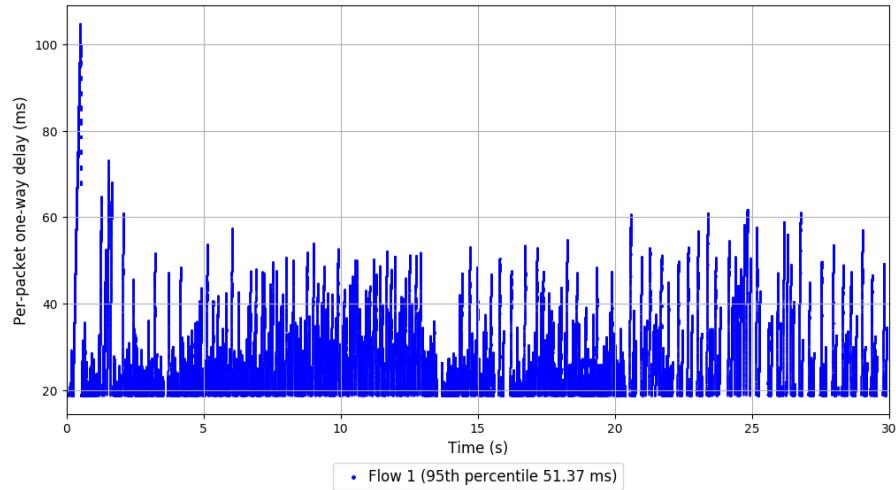
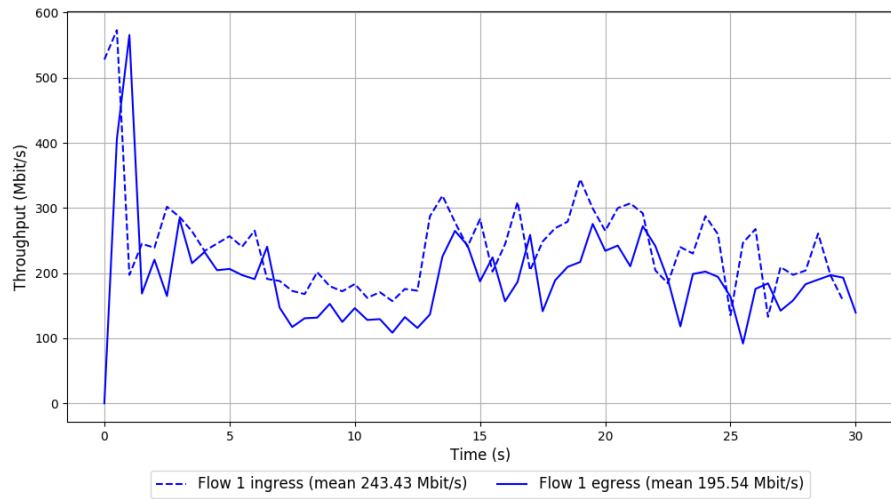


Run 5: Statistics of Verus

```
Start at: 2018-06-29 14:29:13
End at: 2018-06-29 14:29:43
Local clock offset: 2.527 ms
Remote clock offset: 1.144 ms

# Below is generated by plot.py at 2018-06-29 18:38:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.54 Mbit/s
95th percentile per-packet one-way delay: 51.367 ms
Loss rate: 19.64%
-- Flow 1:
Average throughput: 195.54 Mbit/s
95th percentile per-packet one-way delay: 51.367 ms
Loss rate: 19.64%
```

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

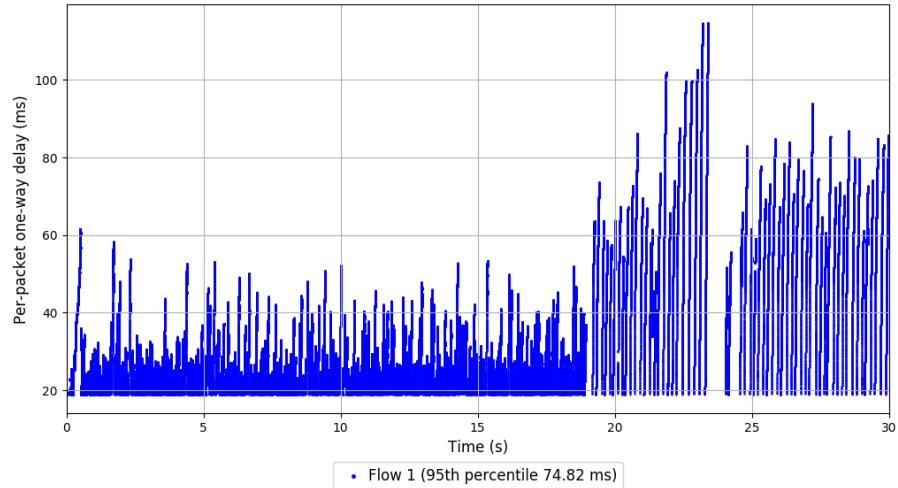
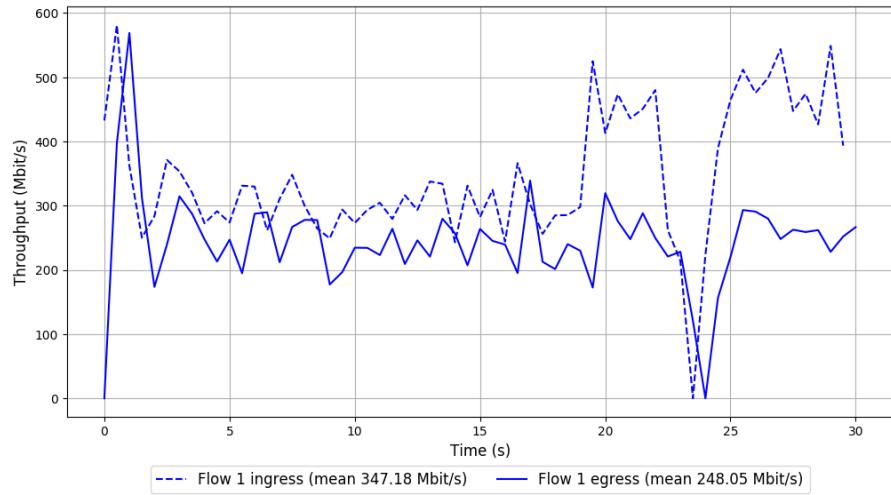


Run 6: Statistics of Verus

```
Start at: 2018-06-29 14:54:16
End at: 2018-06-29 14:54:46
Local clock offset: 3.948 ms
Remote clock offset: 4.014 ms

# Below is generated by plot.py at 2018-06-29 18:39:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.05 Mbit/s
95th percentile per-packet one-way delay: 74.818 ms
Loss rate: 28.47%
-- Flow 1:
Average throughput: 248.05 Mbit/s
95th percentile per-packet one-way delay: 74.818 ms
Loss rate: 28.47%
```

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

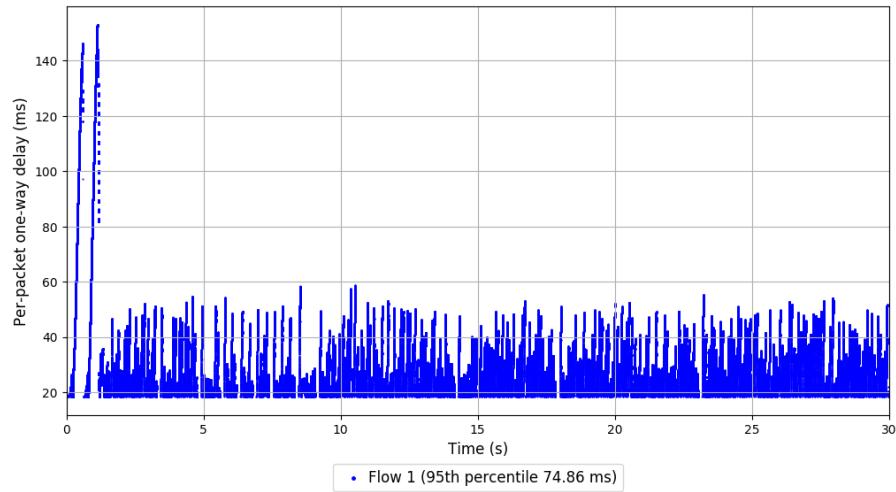
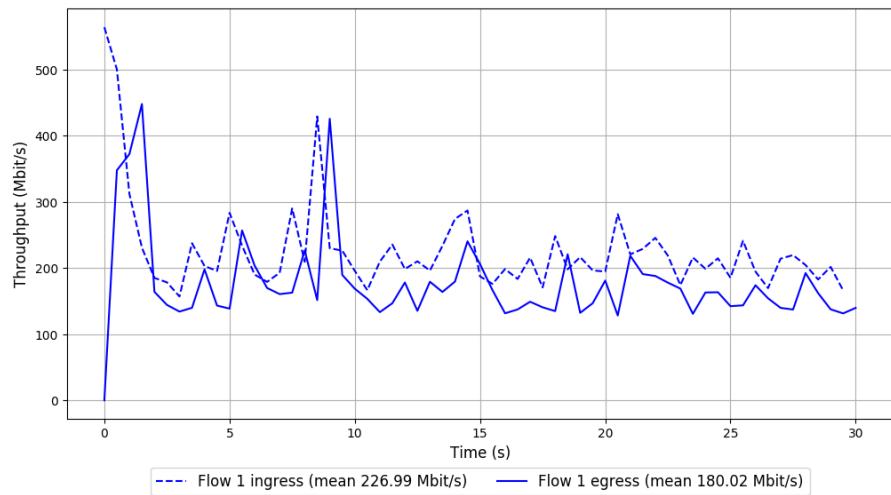


Run 7: Statistics of Verus

```
Start at: 2018-06-29 15:19:30
End at: 2018-06-29 15:20:00
Local clock offset: 2.796 ms
Remote clock offset: -4.208 ms

# Below is generated by plot.py at 2018-06-29 18:39:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.02 Mbit/s
95th percentile per-packet one-way delay: 74.855 ms
Loss rate: 20.69%
-- Flow 1:
Average throughput: 180.02 Mbit/s
95th percentile per-packet one-way delay: 74.855 ms
Loss rate: 20.69%
```

Run 7: Report of Verus — Data Link

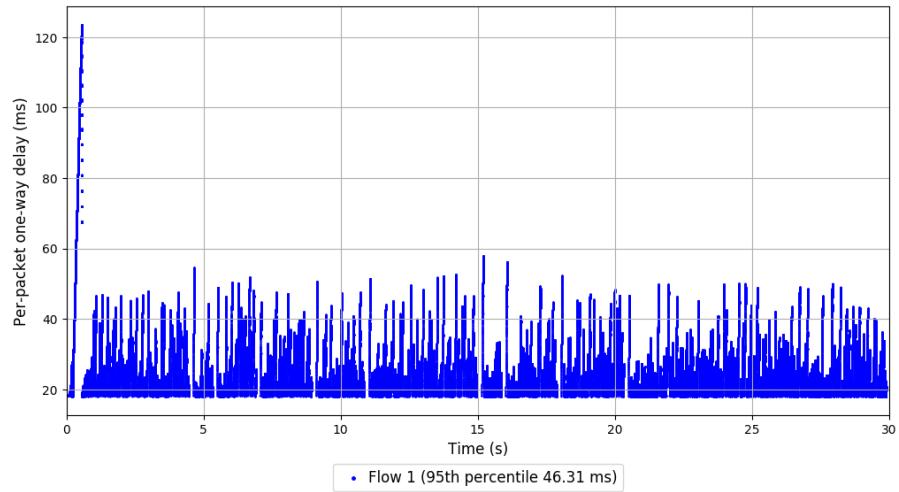
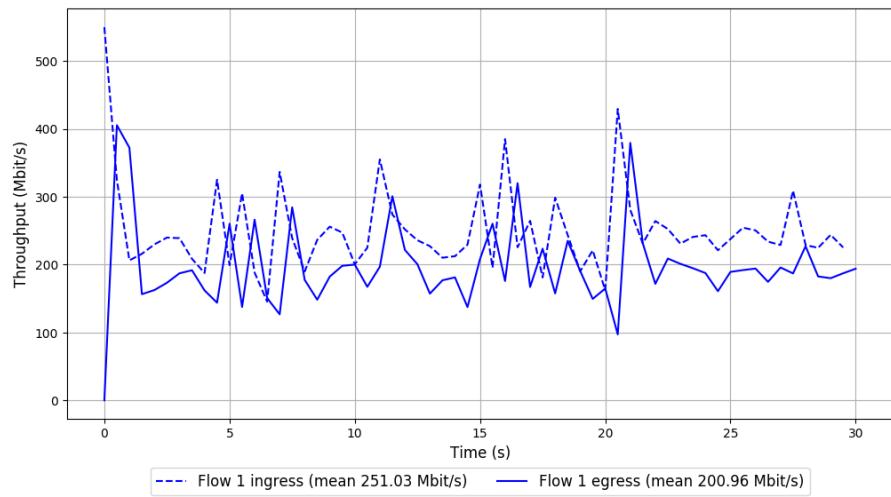


Run 8: Statistics of Verus

```
Start at: 2018-06-29 15:44:36
End at: 2018-06-29 15:45:06
Local clock offset: -0.28 ms
Remote clock offset: -2.102 ms

# Below is generated by plot.py at 2018-06-29 18:39:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.96 Mbit/s
95th percentile per-packet one-way delay: 46.311 ms
Loss rate: 19.94%
-- Flow 1:
Average throughput: 200.96 Mbit/s
95th percentile per-packet one-way delay: 46.311 ms
Loss rate: 19.94%
```

Run 8: Report of Verus — Data Link

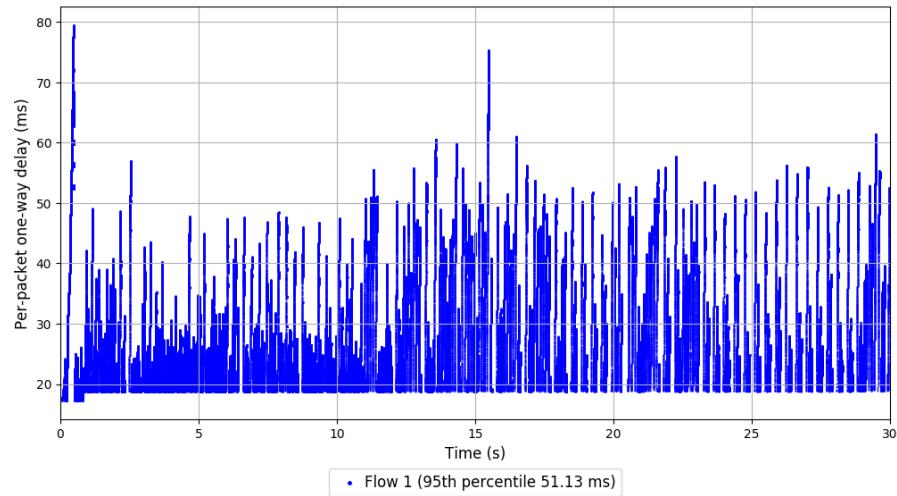
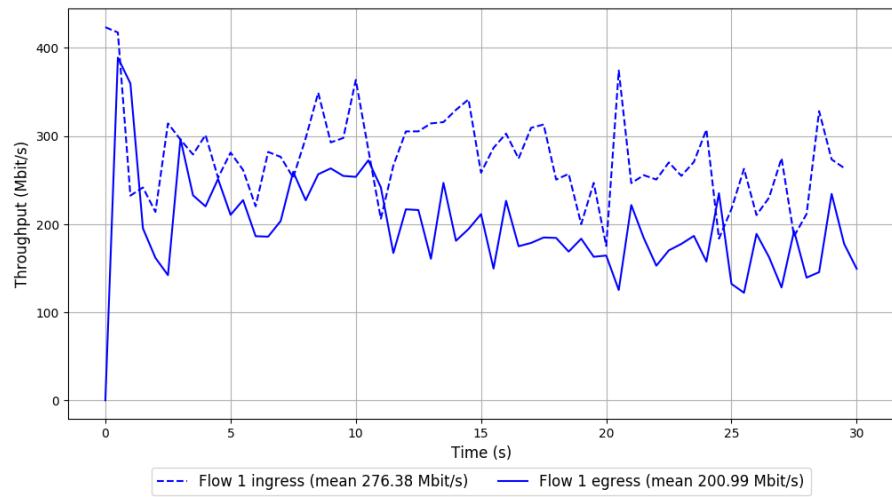


Run 9: Statistics of Verus

```
Start at: 2018-06-29 16:09:49
End at: 2018-06-29 16:10:19
Local clock offset: -0.069 ms
Remote clock offset: -0.604 ms

# Below is generated by plot.py at 2018-06-29 18:40:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.99 Mbit/s
95th percentile per-packet one-way delay: 51.129 ms
Loss rate: 27.27%
-- Flow 1:
Average throughput: 200.99 Mbit/s
95th percentile per-packet one-way delay: 51.129 ms
Loss rate: 27.27%
```

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

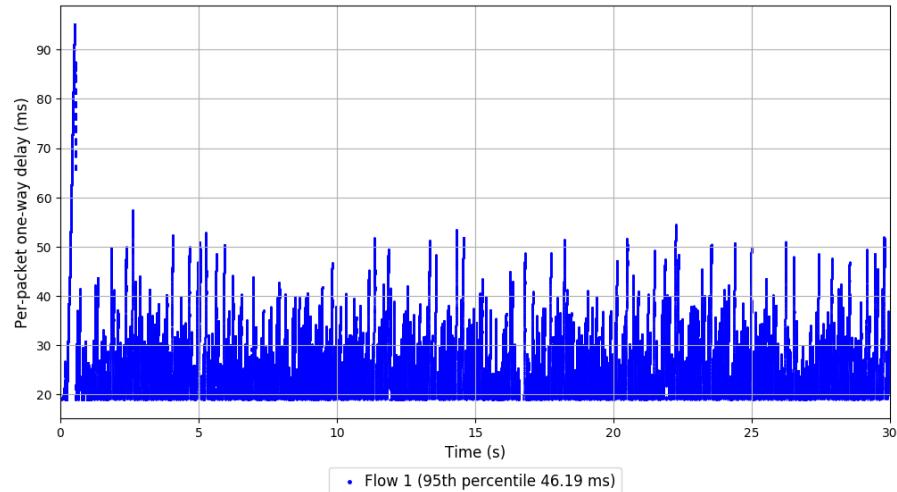
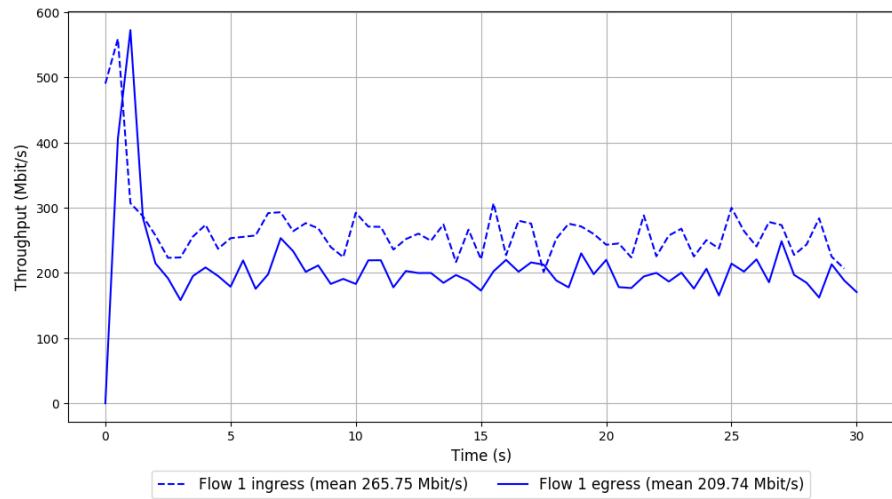


Run 10: Statistics of Verus

```
Start at: 2018-06-29 16:35:09
End at: 2018-06-29 16:35:39
Local clock offset: -0.051 ms
Remote clock offset: -3.725 ms

# Below is generated by plot.py at 2018-06-29 18:40:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.74 Mbit/s
95th percentile per-packet one-way delay: 46.186 ms
Loss rate: 21.05%
-- Flow 1:
Average throughput: 209.74 Mbit/s
95th percentile per-packet one-way delay: 46.186 ms
Loss rate: 21.05%
```

Run 10: Report of Verus — Data Link

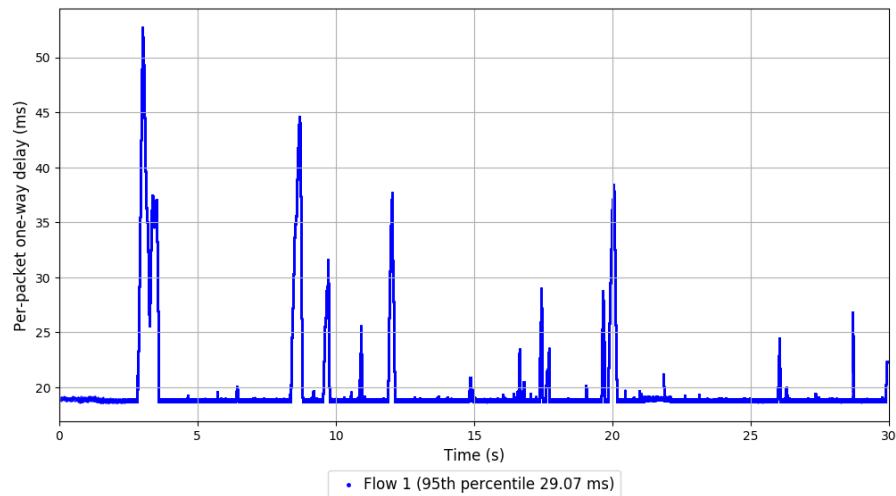
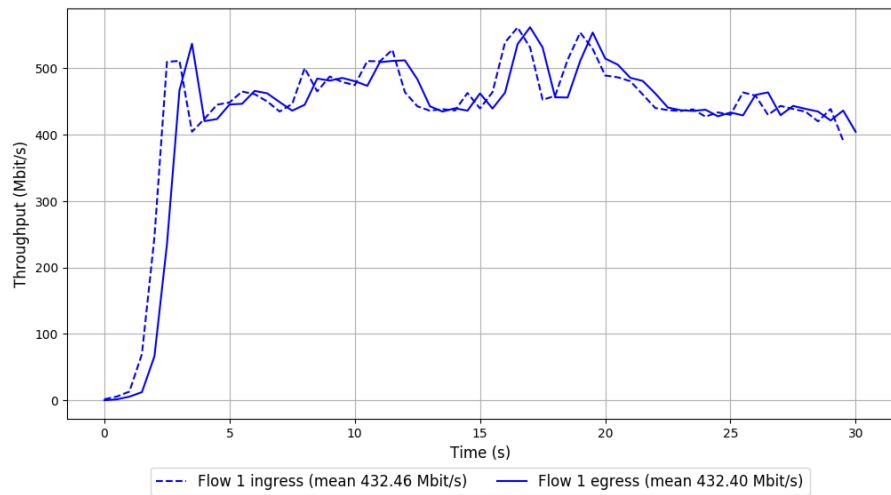


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-06-29 13:12:10
End at: 2018-06-29 13:12:40
Local clock offset: 5.051 ms
Remote clock offset: 4.514 ms

# Below is generated by plot.py at 2018-06-29 18:43:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 432.40 Mbit/s
95th percentile per-packet one-way delay: 29.065 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 432.40 Mbit/s
95th percentile per-packet one-way delay: 29.065 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Vivace — Data Link

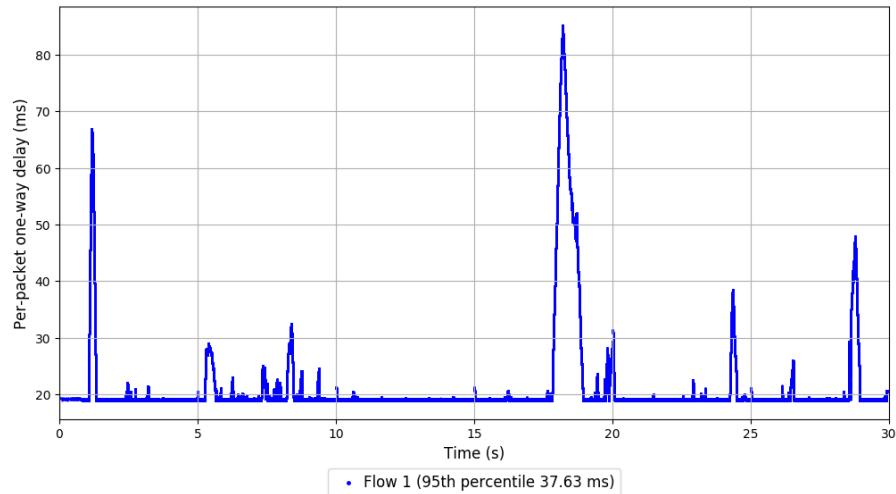
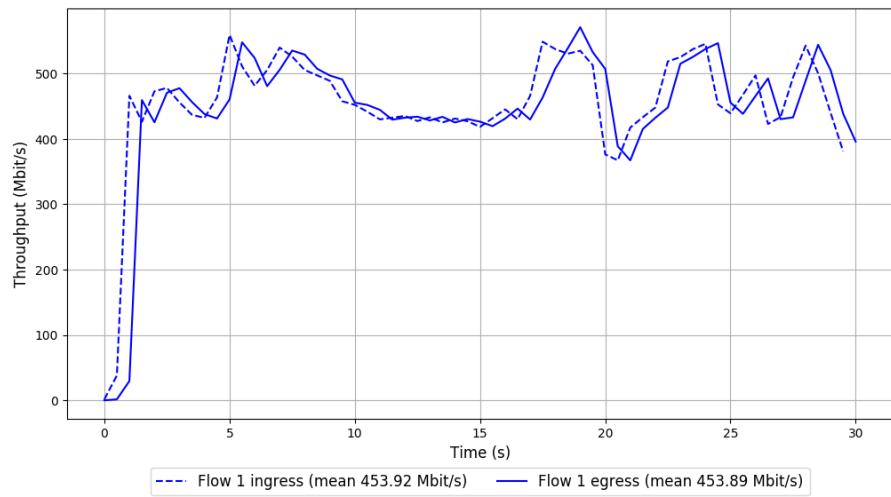


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-29 13:37:22
End at: 2018-06-29 13:37:52
Local clock offset: 0.652 ms
Remote clock offset: -2.896 ms

# Below is generated by plot.py at 2018-06-29 18:44:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 453.89 Mbit/s
95th percentile per-packet one-way delay: 37.629 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 453.89 Mbit/s
95th percentile per-packet one-way delay: 37.629 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Vivace — Data Link

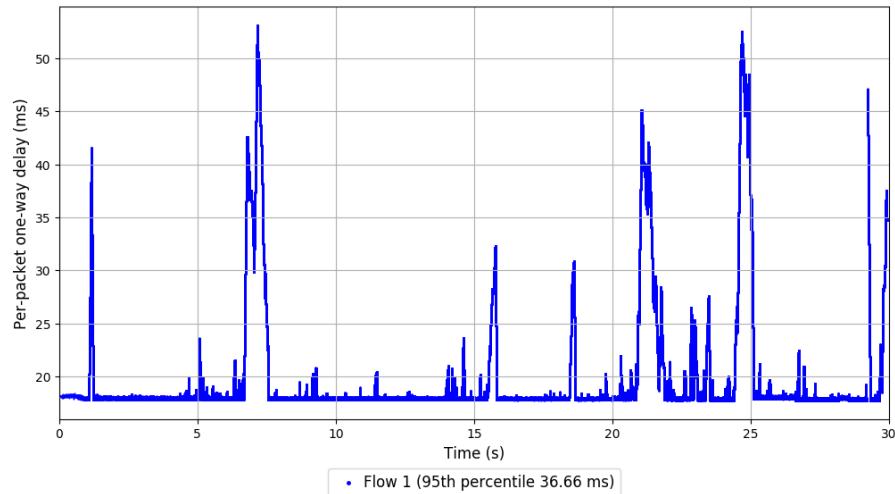
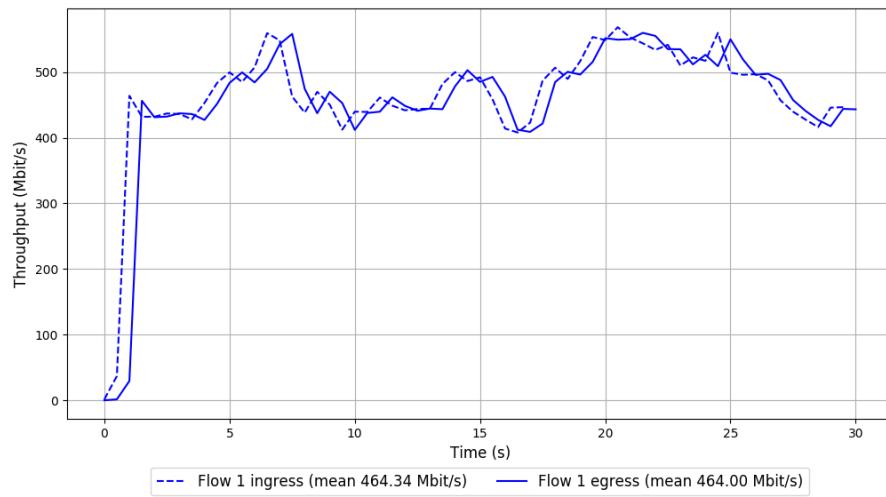


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:02:35
End at: 2018-06-29 14:03:05
Local clock offset: -2.882 ms
Remote clock offset: -1.194 ms

# Below is generated by plot.py at 2018-06-29 18:44:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 464.00 Mbit/s
95th percentile per-packet one-way delay: 36.665 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 464.00 Mbit/s
95th percentile per-packet one-way delay: 36.665 ms
Loss rate: 0.07%
```

Run 3: Report of PCC-Vivace — Data Link

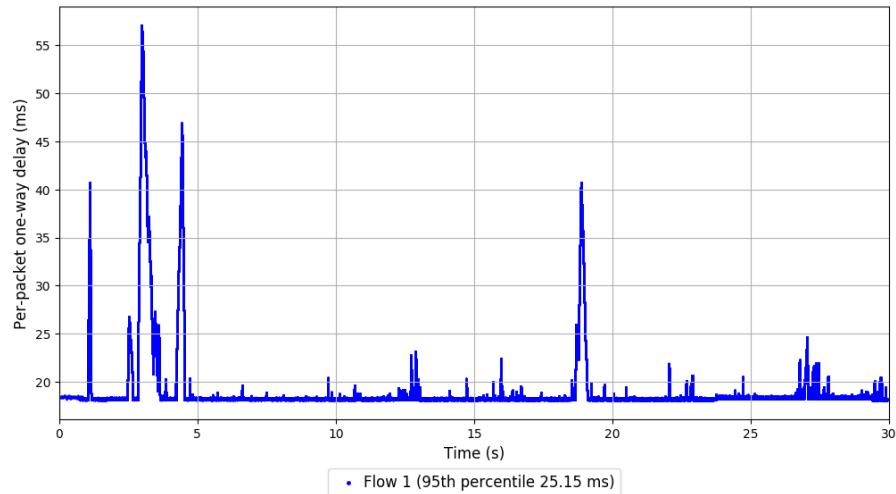
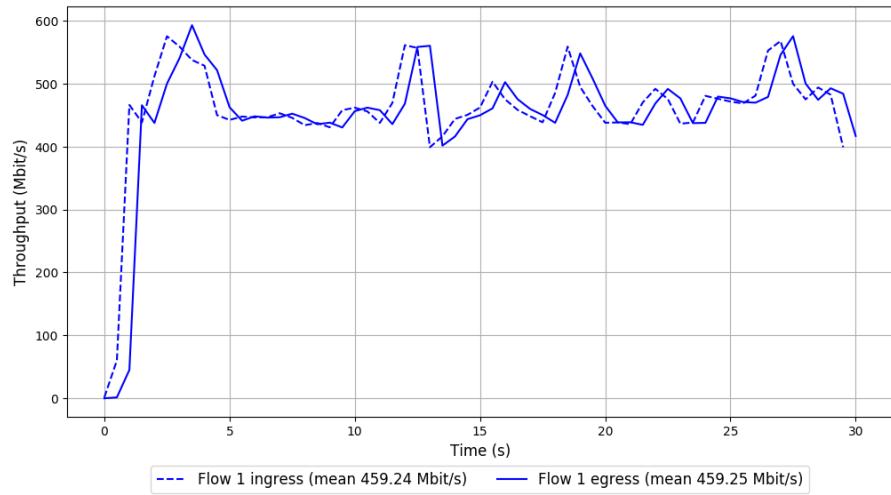


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:27:36
End at: 2018-06-29 14:28:06
Local clock offset: 2.078 ms
Remote clock offset: 0.764 ms

# Below is generated by plot.py at 2018-06-29 18:44:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 459.25 Mbit/s
95th percentile per-packet one-way delay: 25.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 459.25 Mbit/s
95th percentile per-packet one-way delay: 25.153 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

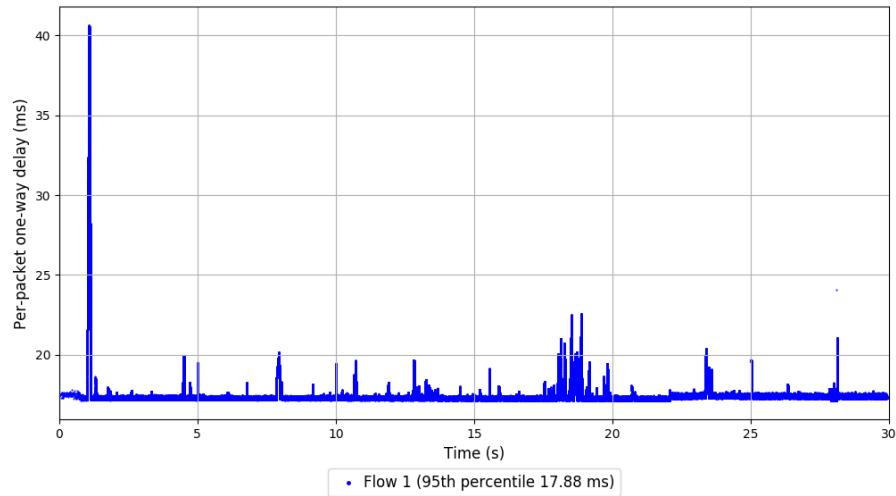
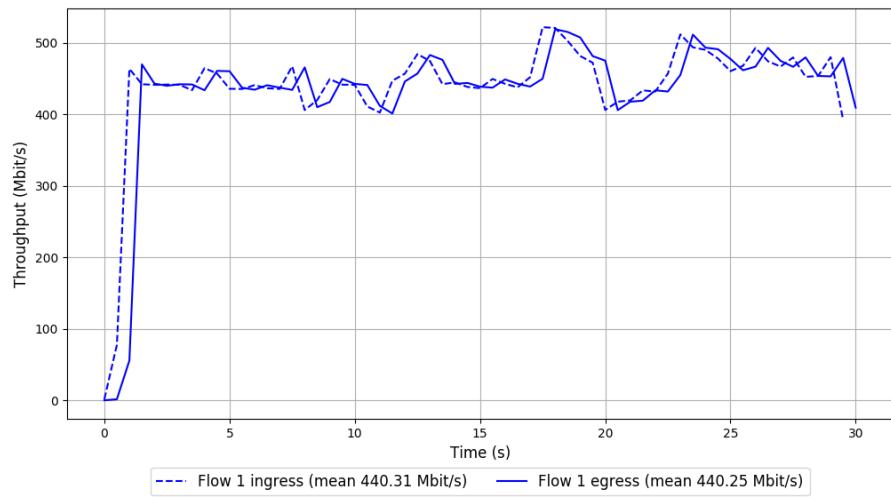


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:52:39
End at: 2018-06-29 14:53:09
Local clock offset: 4.09 ms
Remote clock offset: 3.96 ms

# Below is generated by plot.py at 2018-06-29 18:45:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 440.25 Mbit/s
95th percentile per-packet one-way delay: 17.883 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 440.25 Mbit/s
95th percentile per-packet one-way delay: 17.883 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Vivace — Data Link

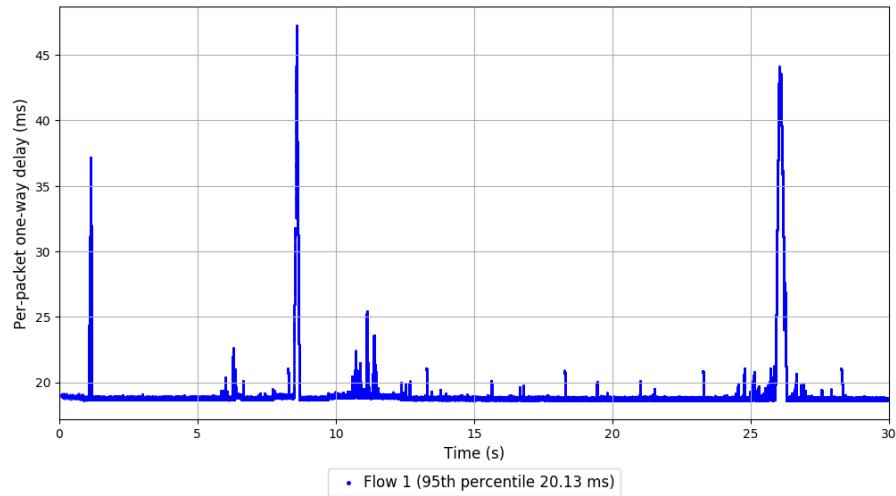
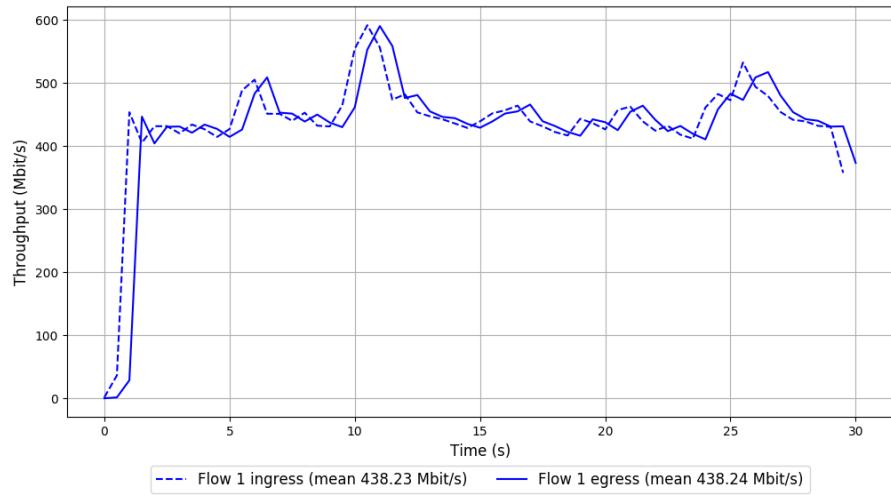


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-29 15:17:53
End at: 2018-06-29 15:18:23
Local clock offset: 3.314 ms
Remote clock offset: -3.809 ms

# Below is generated by plot.py at 2018-06-29 18:45:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 438.24 Mbit/s
95th percentile per-packet one-way delay: 20.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 438.24 Mbit/s
95th percentile per-packet one-way delay: 20.126 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

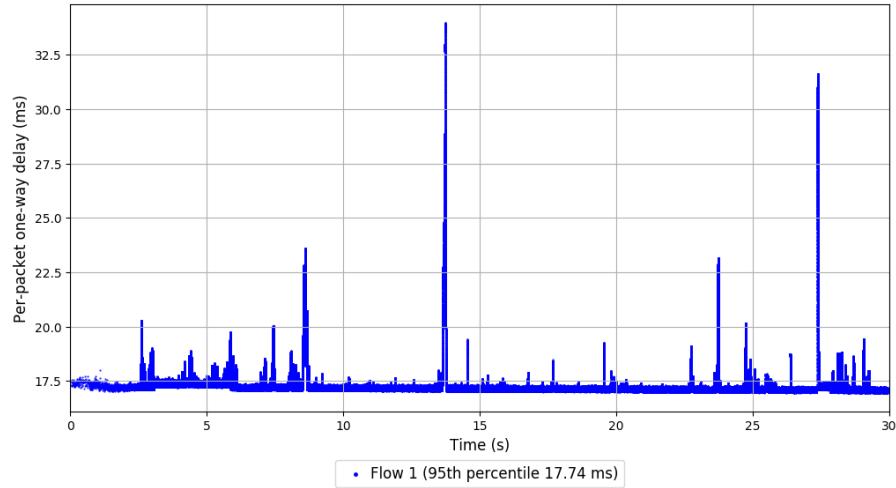
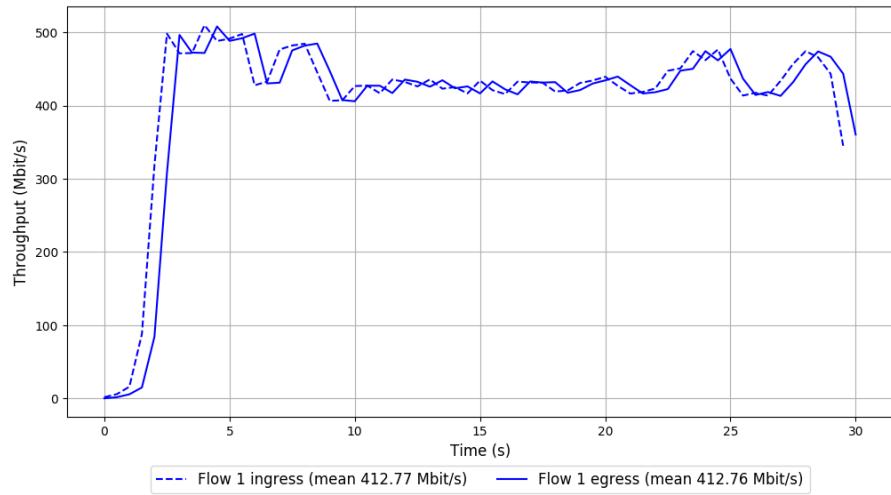


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-29 15:43:00
End at: 2018-06-29 15:43:30
Local clock offset: -0.225 ms
Remote clock offset: -2.69 ms

# Below is generated by plot.py at 2018-06-29 18:45:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.76 Mbit/s
95th percentile per-packet one-way delay: 17.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 412.76 Mbit/s
95th percentile per-packet one-way delay: 17.739 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Vivace — Data Link

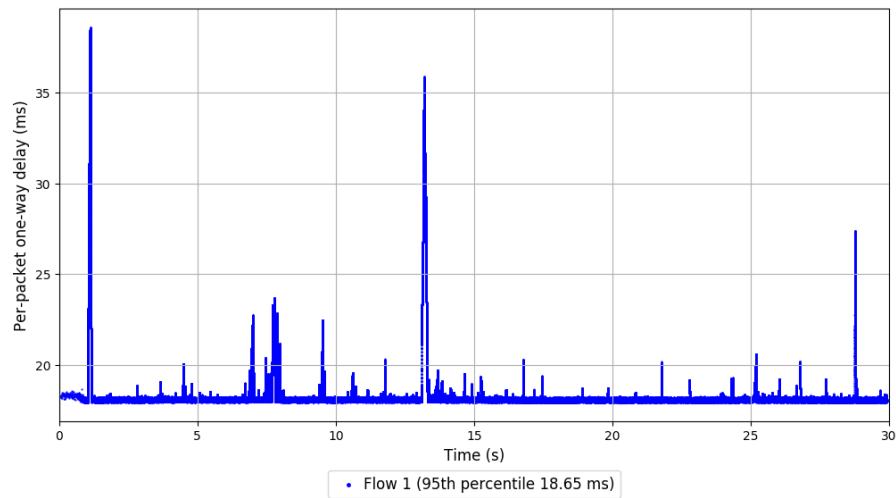
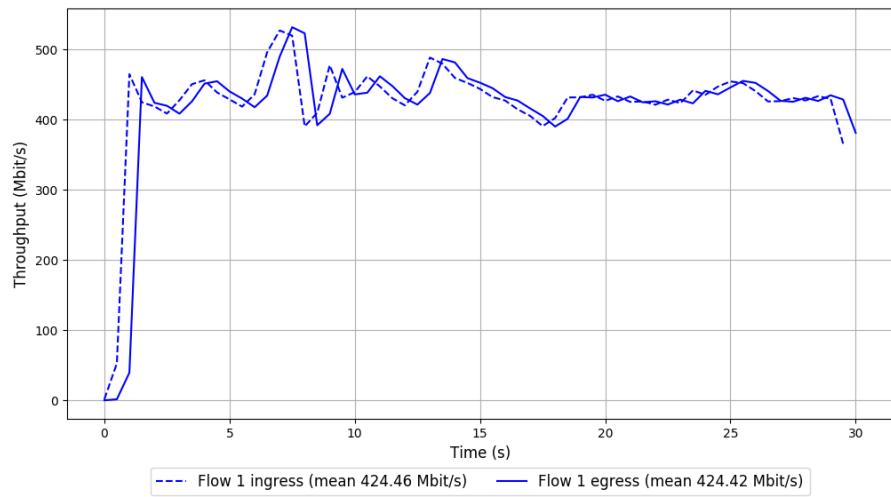


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-29 16:08:12
End at: 2018-06-29 16:08:42
Local clock offset: -0.059 ms
Remote clock offset: -0.386 ms

# Below is generated by plot.py at 2018-06-29 18:45:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 424.42 Mbit/s
95th percentile per-packet one-way delay: 18.648 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 424.42 Mbit/s
95th percentile per-packet one-way delay: 18.648 ms
Loss rate: 0.01%
```

Run 8: Report of PCC-Vivace — Data Link

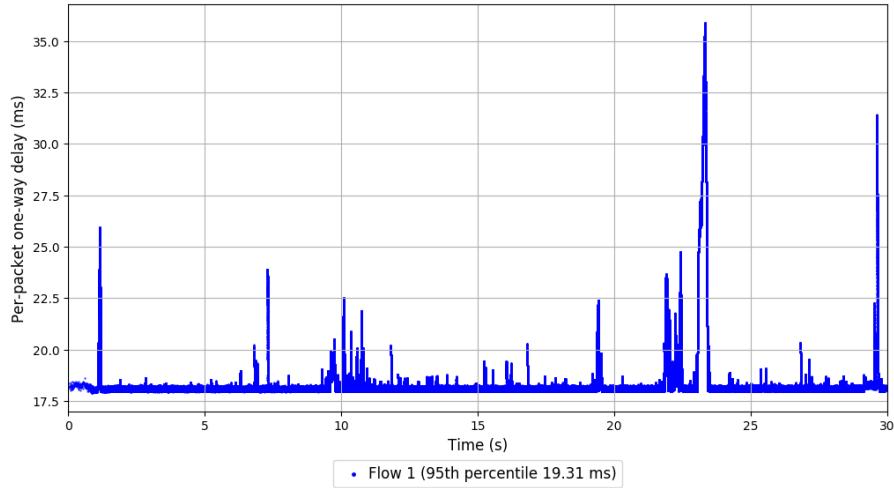
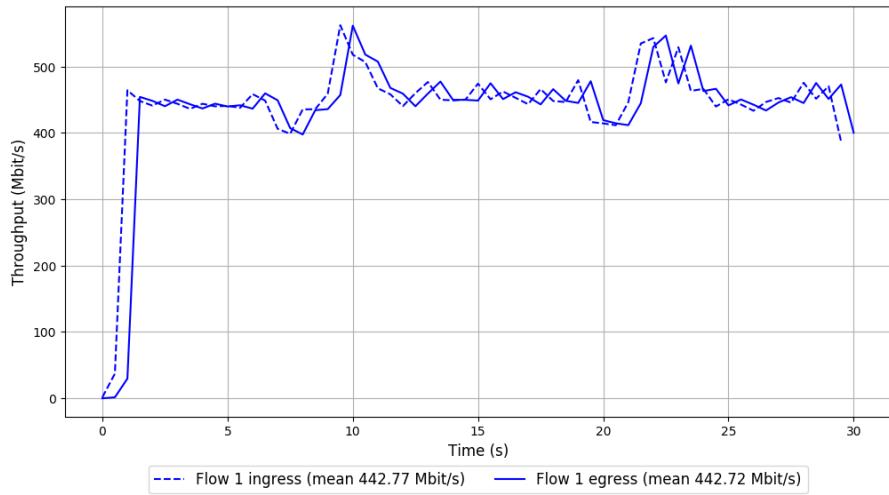


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-29 16:33:32
End at: 2018-06-29 16:34:02
Local clock offset: -0.058 ms
Remote clock offset: -3.707 ms

# Below is generated by plot.py at 2018-06-29 18:46:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 442.72 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 442.72 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.01%
```

Run 9: Report of PCC-Vivace — Data Link

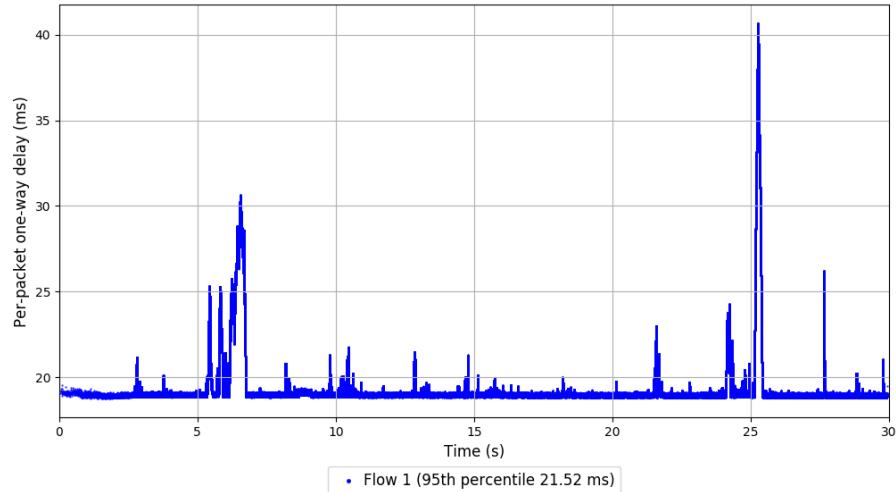
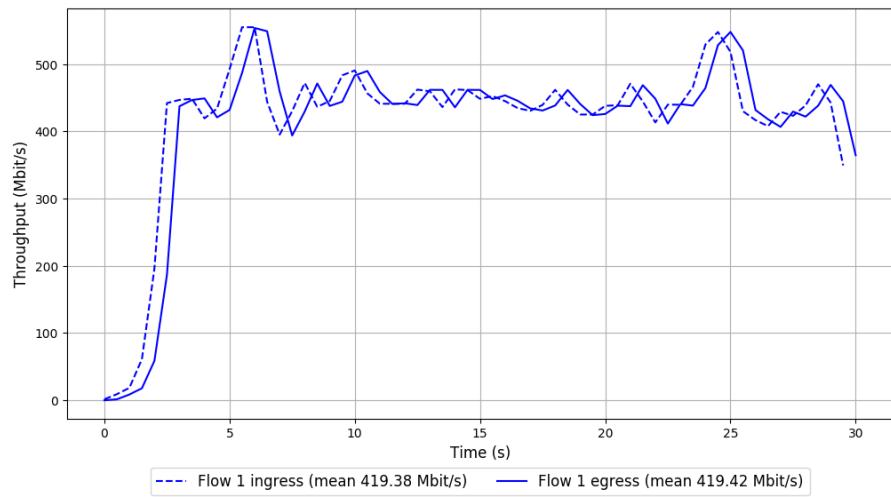


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-29 16:58:52
End at: 2018-06-29 16:59:22
Local clock offset: 2.992 ms
Remote clock offset: 2.613 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 419.42 Mbit/s
95th percentile per-packet one-way delay: 21.520 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 419.42 Mbit/s
95th percentile per-packet one-way delay: 21.520 ms
Loss rate: 0.01%
```

Run 10: Report of PCC-Vivace — Data Link

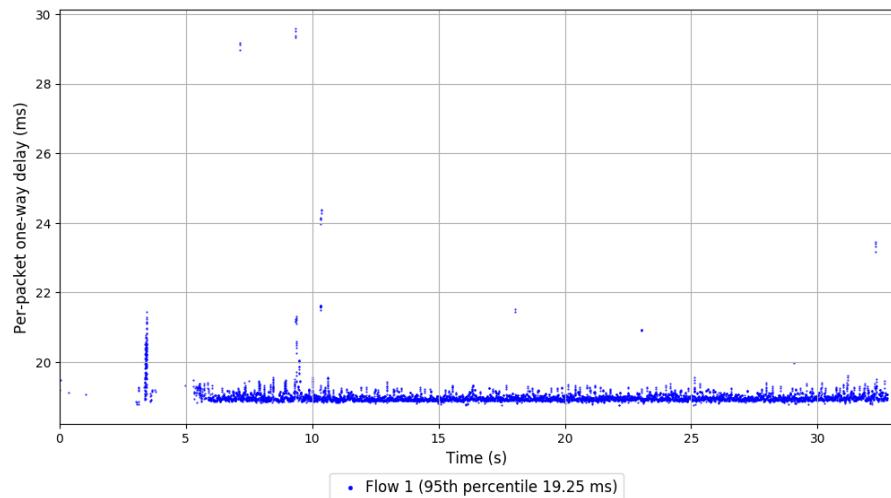
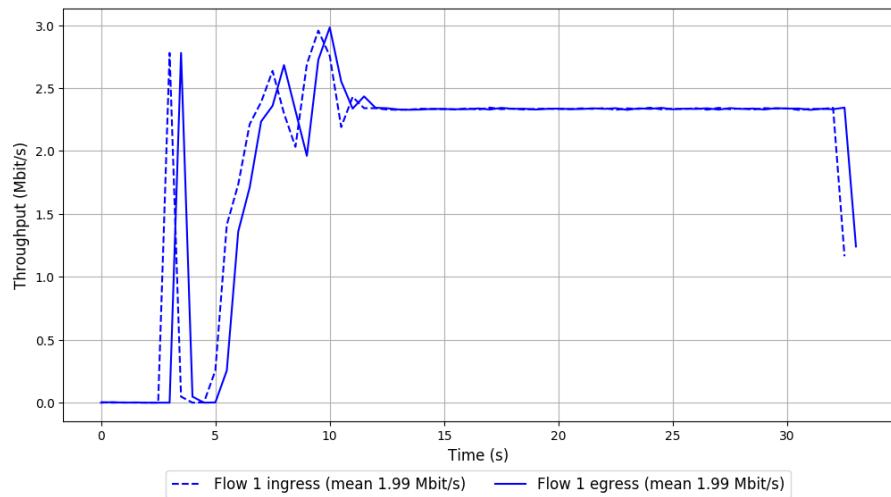


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-29 13:10:52
End at: 2018-06-29 13:11:22
Local clock offset: 4.861 ms
Remote clock offset: 4.458 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

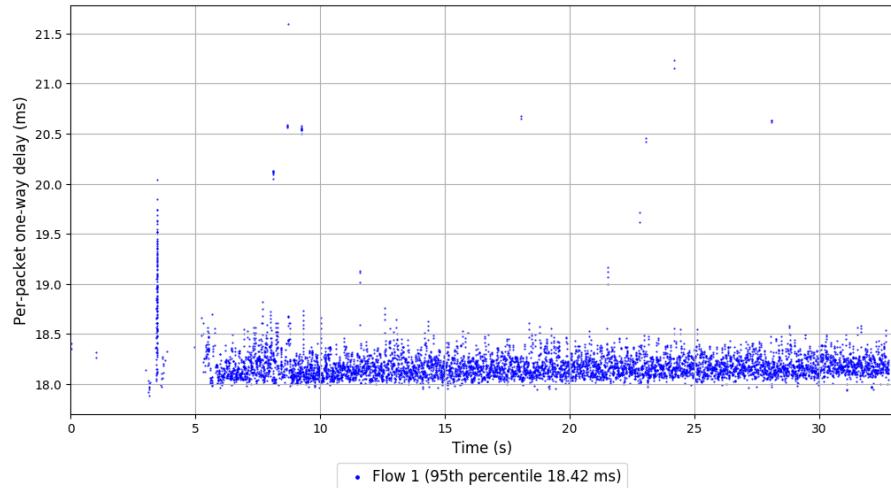
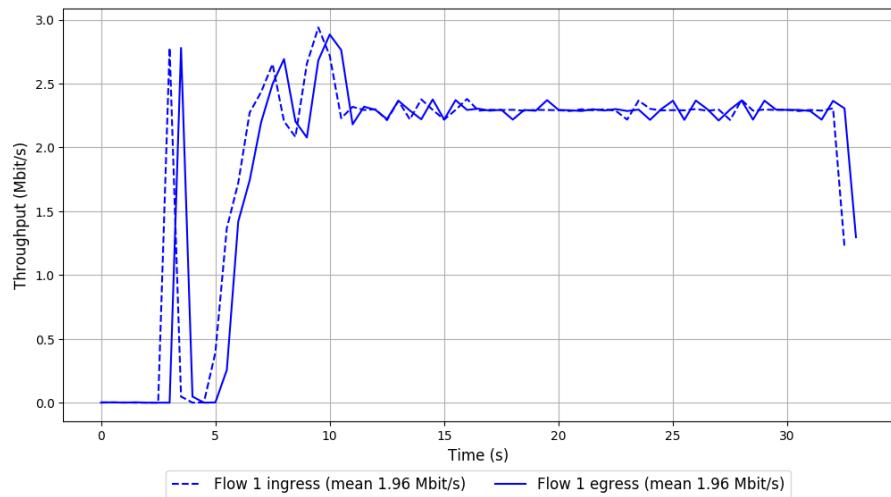


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-29 13:36:05
End at: 2018-06-29 13:36:35
Local clock offset: 0.798 ms
Remote clock offset: -2.686 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 18.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 18.419 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

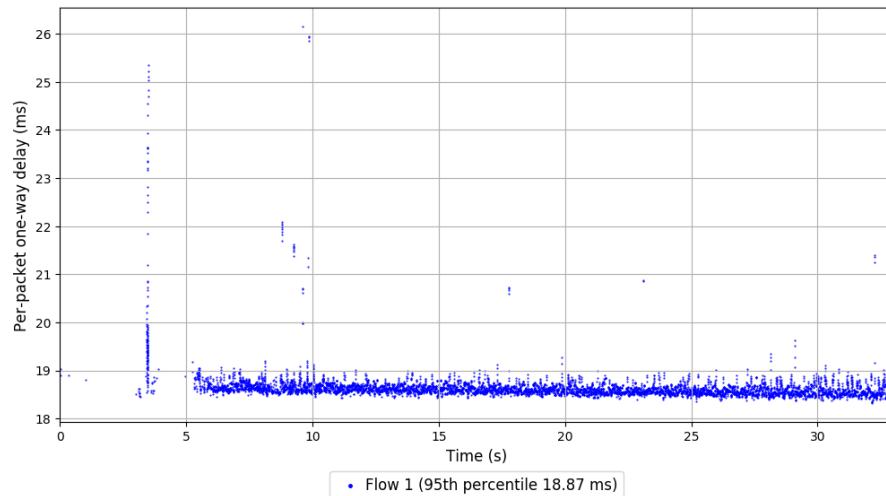
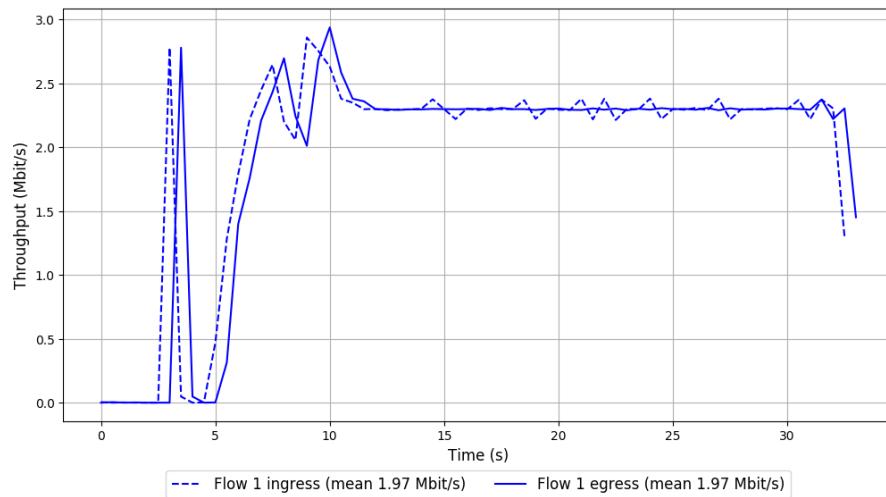


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-29 14:01:17
End at: 2018-06-29 14:01:47
Local clock offset: -2.746 ms
Remote clock offset: -1.46 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 18.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 18.867 ms
Loss rate: 0.00%
```

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

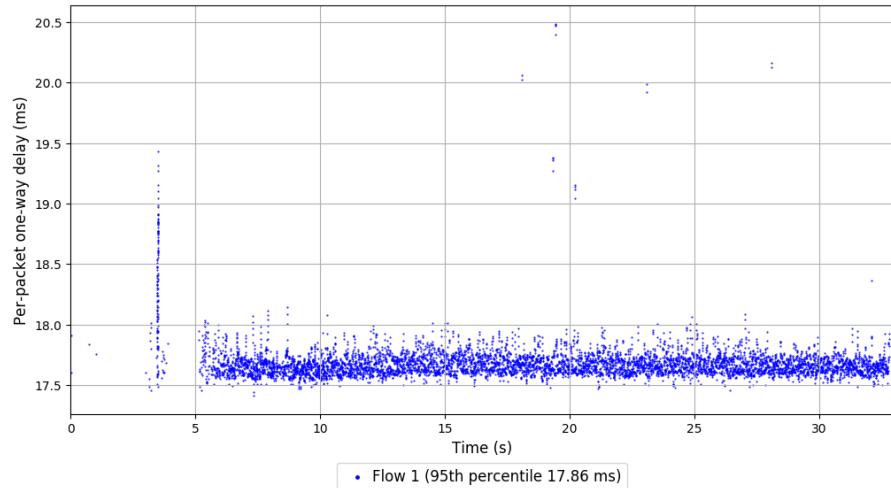
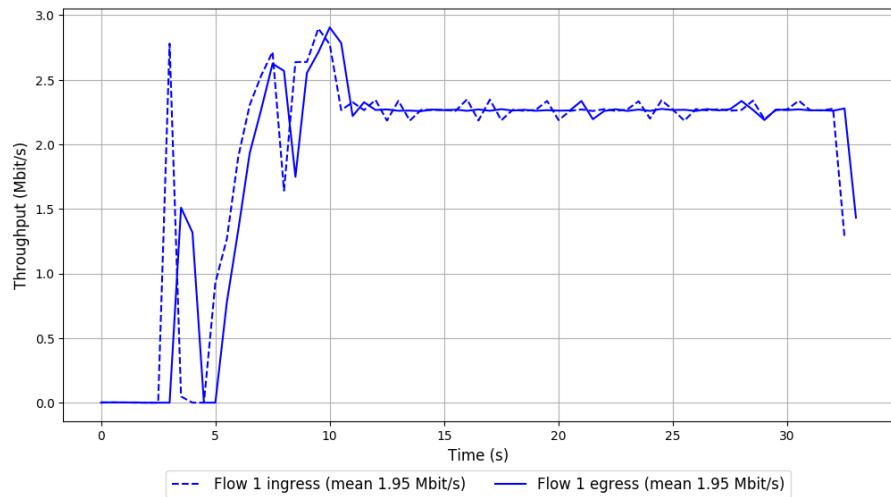


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-29 14:26:18
End at: 2018-06-29 14:26:48
Local clock offset: 1.653 ms
Remote clock offset: 0.438 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 17.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 17.857 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

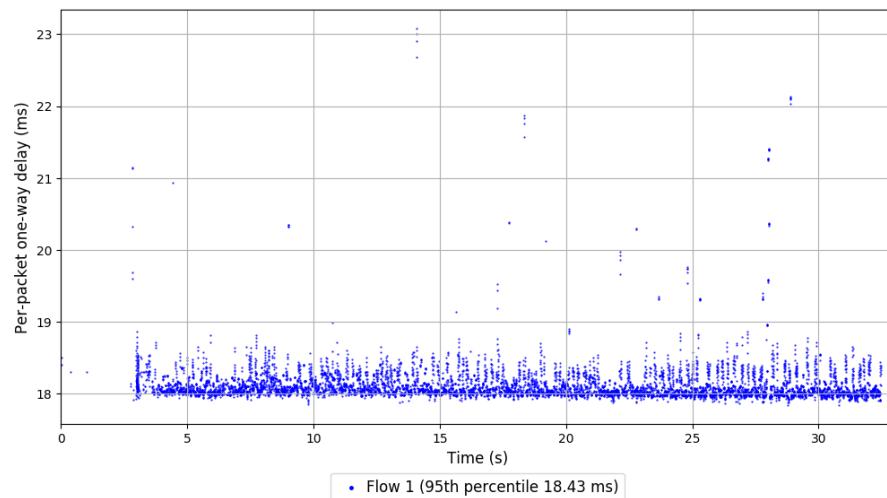
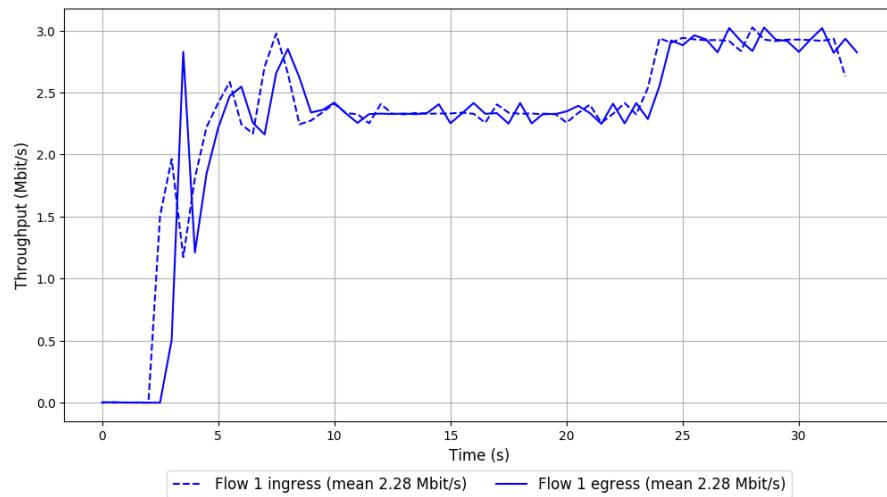


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-29 14:51:21
End at: 2018-06-29 14:51:51
Local clock offset: 4.167 ms
Remote clock offset: 3.935 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 18.435 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 18.435 ms
Loss rate: 0.01%
```

Run 5: Report of WebRTC media — Data Link

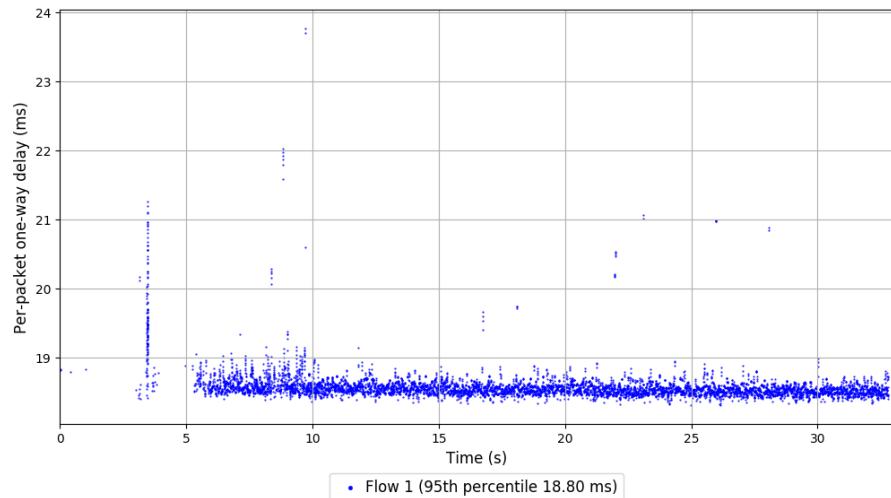
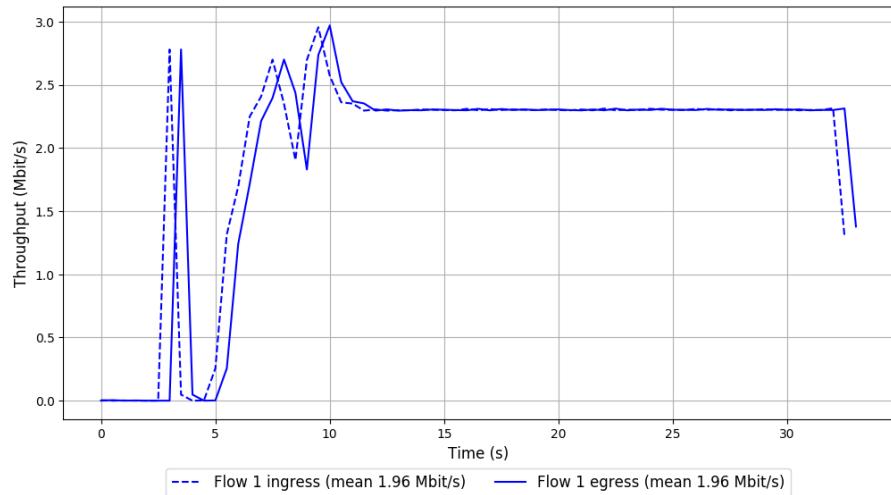


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-29 15:16:36
End at: 2018-06-29 15:17:06
Local clock offset: 3.85 ms
Remote clock offset: -3.5 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

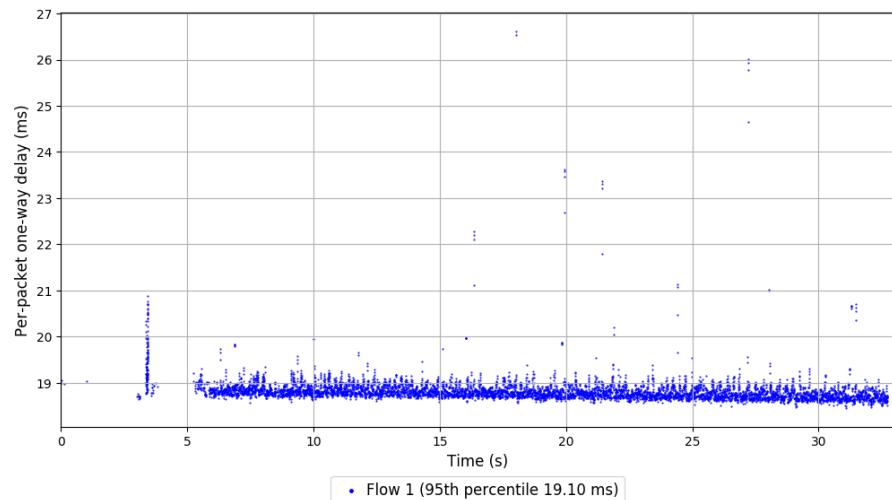
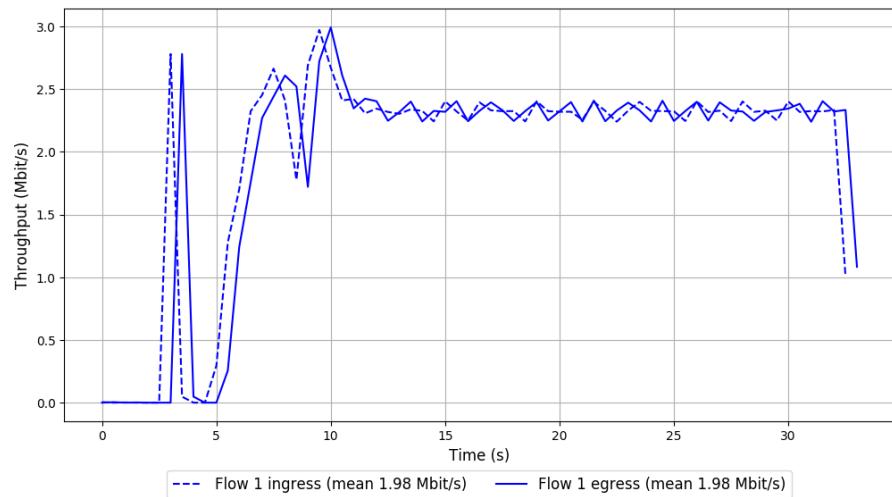


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-29 15:41:42
End at: 2018-06-29 15:42:12
Local clock offset: -0.164 ms
Remote clock offset: -2.927 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

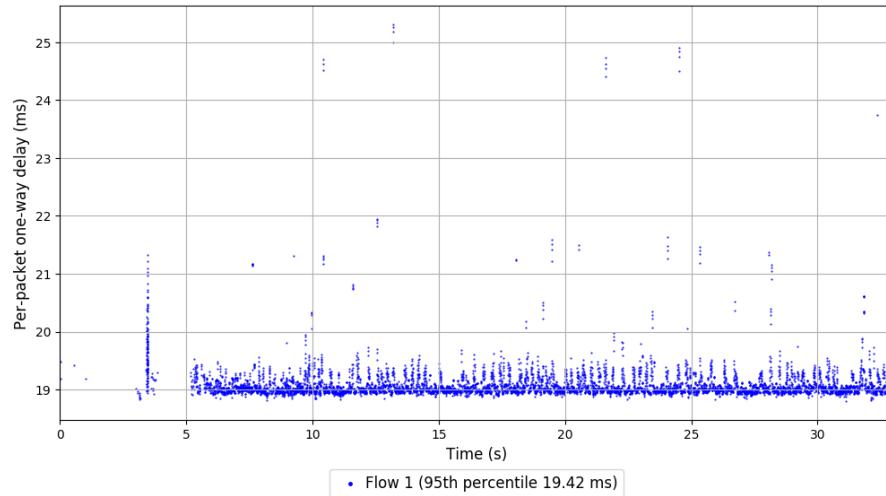
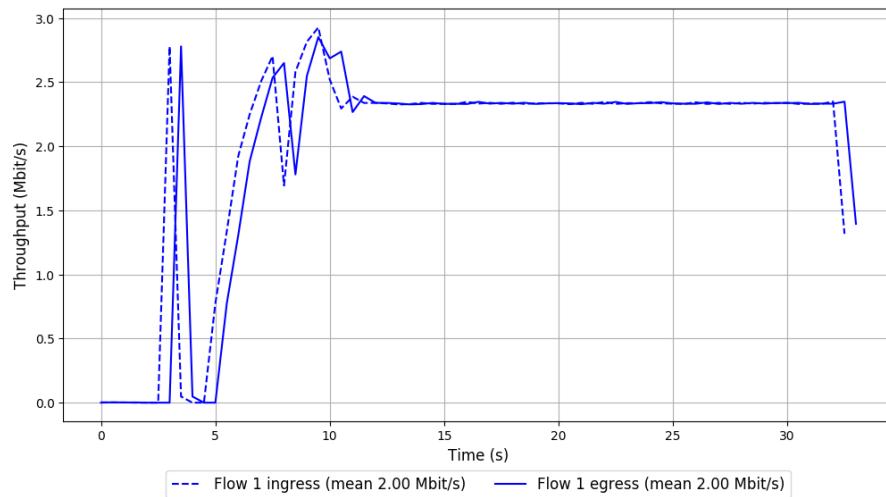


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-29 16:06:55
End at: 2018-06-29 16:07:25
Local clock offset: -0.122 ms
Remote clock offset: -0.409 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 19.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 19.418 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

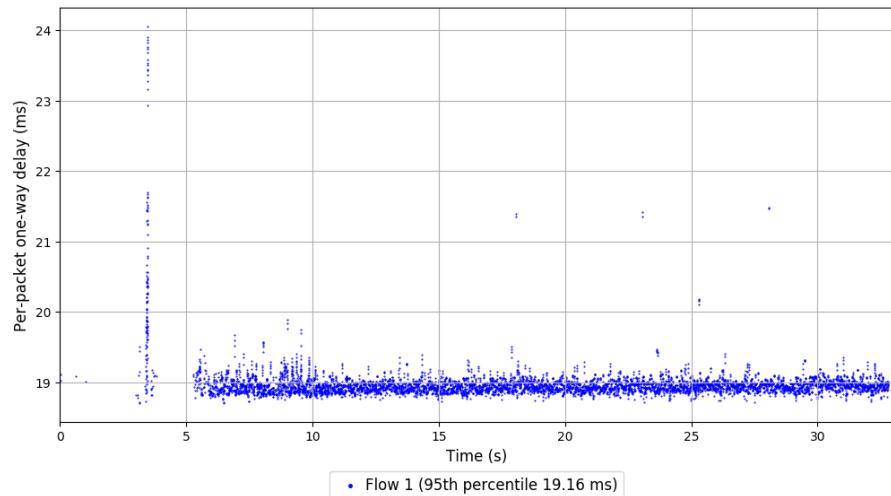
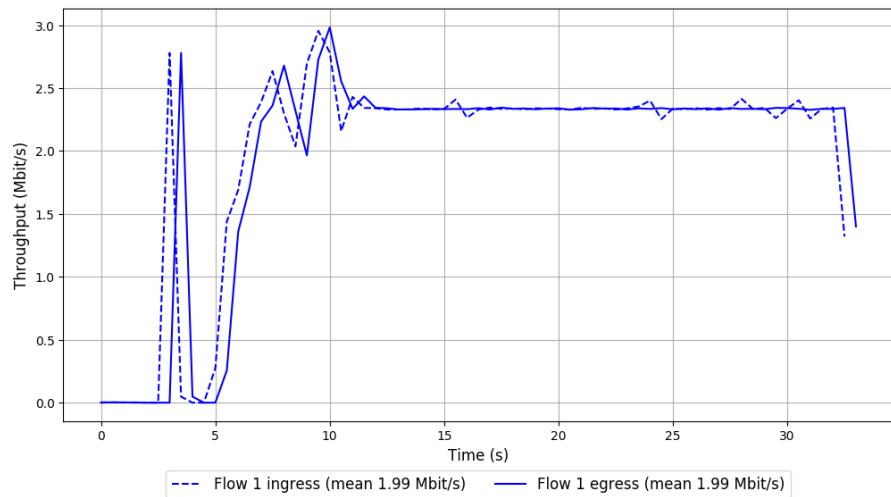


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-29 16:32:14
End at: 2018-06-29 16:32:44
Local clock offset: -0.074 ms
Remote clock offset: -3.524 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-06-29 16:57:35
End at: 2018-06-29 16:58:05
Local clock offset: 2.874 ms
Remote clock offset: 2.324 ms

# Below is generated by plot.py at 2018-06-29 18:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 18.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 18.273 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

