

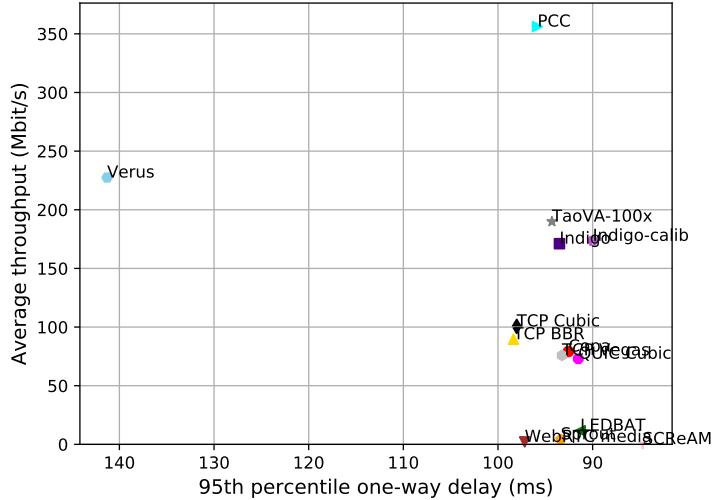
## Pantheon Report

Generated at 2017-12-05 16:54:48 (UTC).  
Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).  
Repeated the test of 14 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).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).  
NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

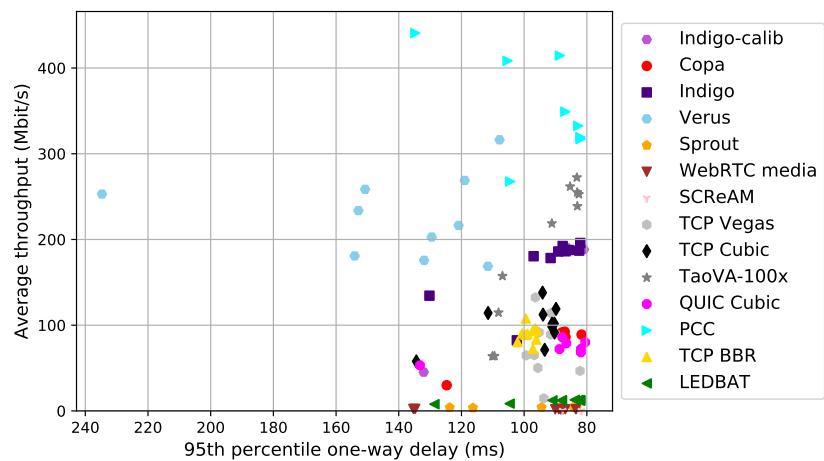
Git summary:

```
branch: indigos @ e3a57ad5ac5cfaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeb30b267cde681
third_party/sprout @ 6f2efef6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme



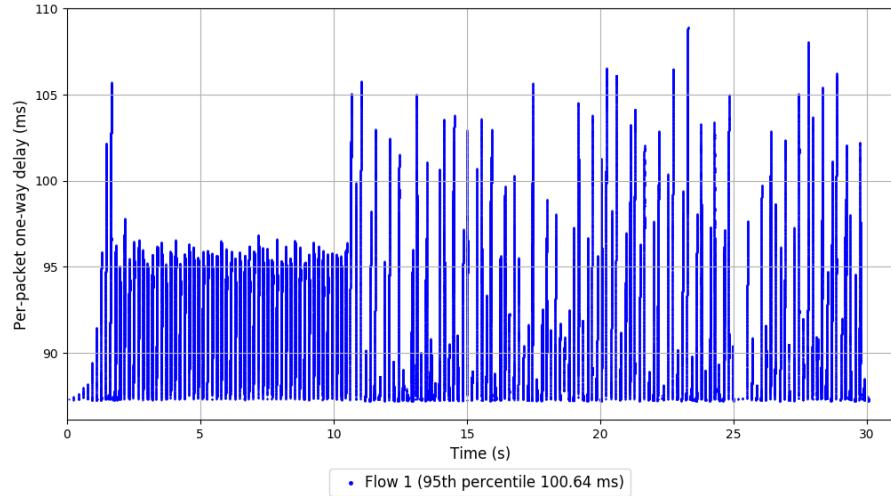
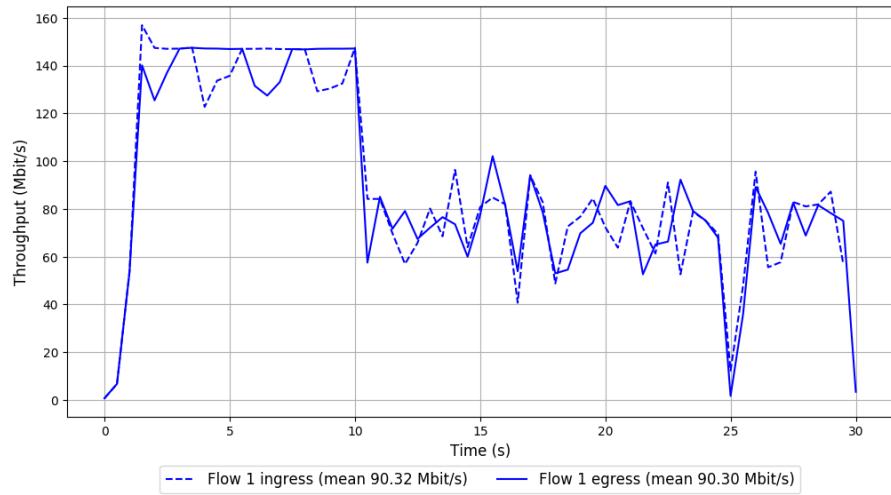
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	89.61	98.36	0.02
TCP Cubic	10	100.57	98.02	0.01
LEDBAT	10	11.61	91.32	0.00
PCC	8	356.18	95.83	6.36
QUIC Cubic	7	73.00	91.52	0.01
SCReAM	2	0.22	84.72	0.00
WebRTC media	10	2.10	97.18	0.01
Sprout	10	4.23	93.37	0.00
TaoVA-100x	10	189.92	94.30	0.00
TCP Vegas	10	75.85	93.24	0.01
Verus	10	227.47	141.30	1.01
Copa	6	79.14	92.56	0.00
Indigo	10	171.08	93.51	0.00
Indigo-calib	10	173.50	90.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2017-12-05 13:00:57
End at: 2017-12-05 13:01:27
Local clock offset: -0.185 ms
Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2017-12-05 16:25:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 100.635 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 100.635 ms
Loss rate: 0.02%
```

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

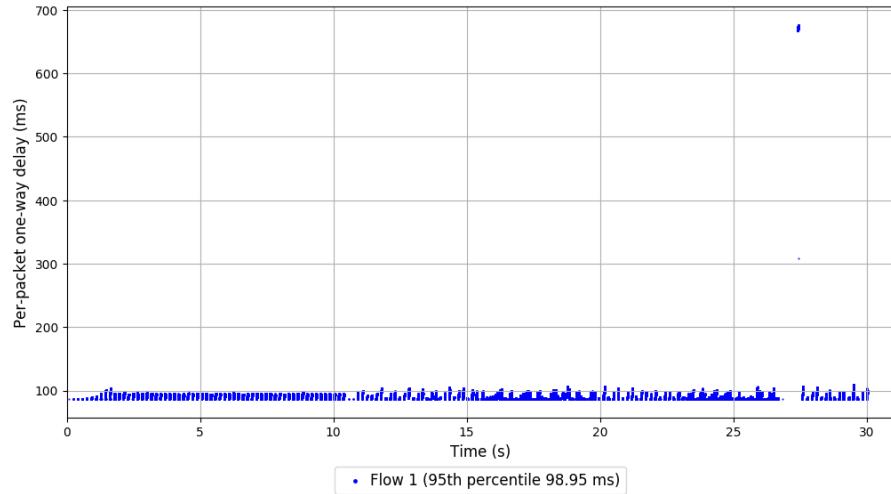
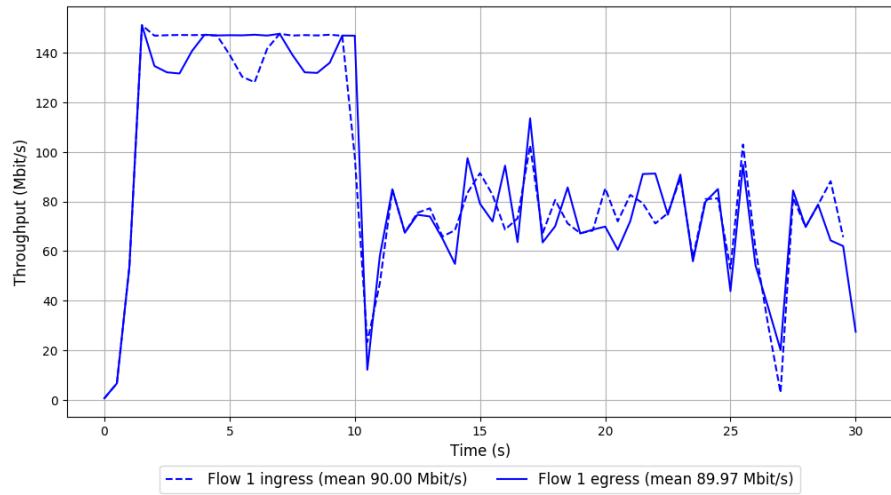


Run 2: Statistics of TCP BBR

```
Start at: 2017-12-05 13:19:11
End at: 2017-12-05 13:19:41
Local clock offset: -0.341 ms
Remote clock offset: -1.362 ms

# Below is generated by plot.py at 2017-12-05 16:25:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 98.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 98.951 ms
Loss rate: 0.00%
```

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

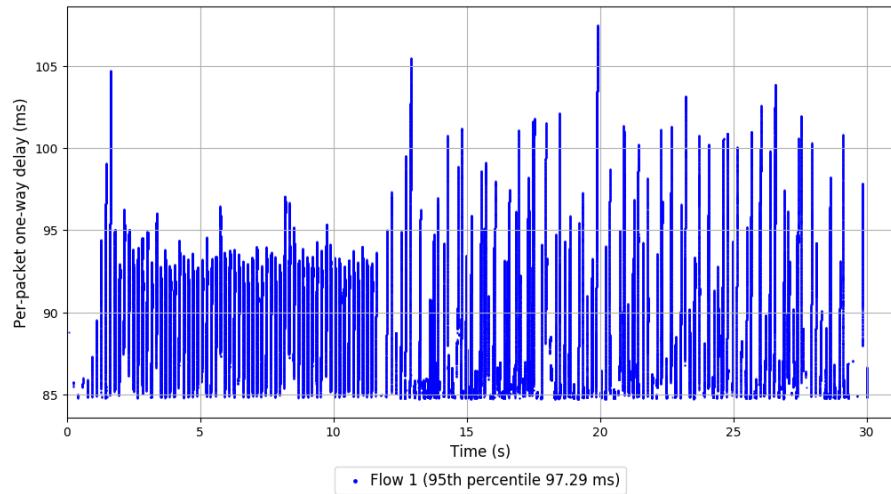
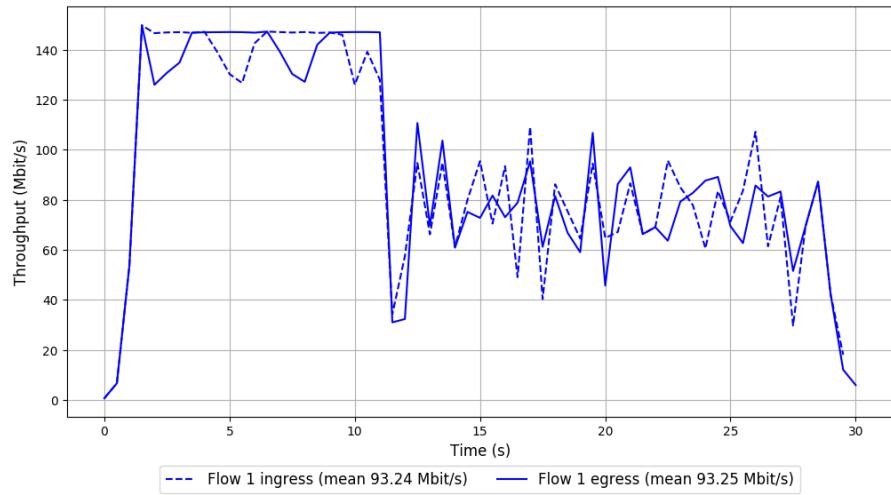


Run 3: Statistics of TCP BBR

```
Start at: 2017-12-05 13:37:14
End at: 2017-12-05 13:37:44
Local clock offset: -0.46 ms
Remote clock offset: -4.315 ms

# Below is generated by plot.py at 2017-12-05 16:25:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 97.291 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 97.291 ms
Loss rate: 0.01%
```

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

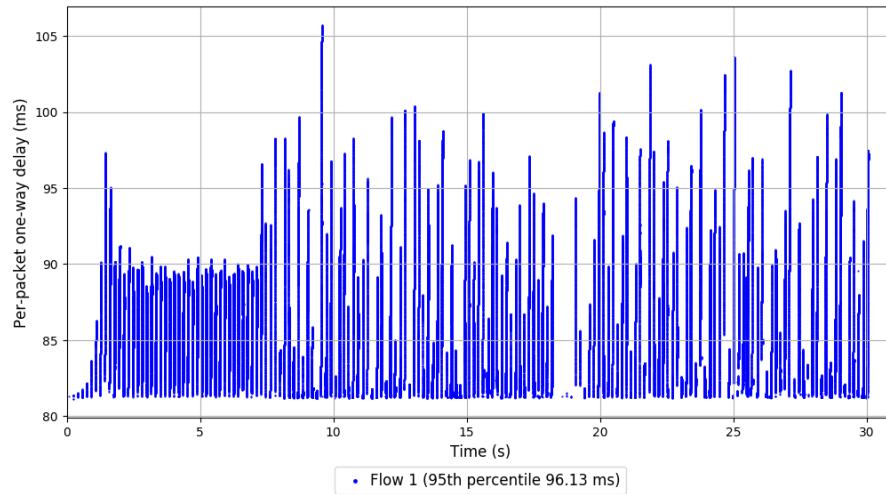
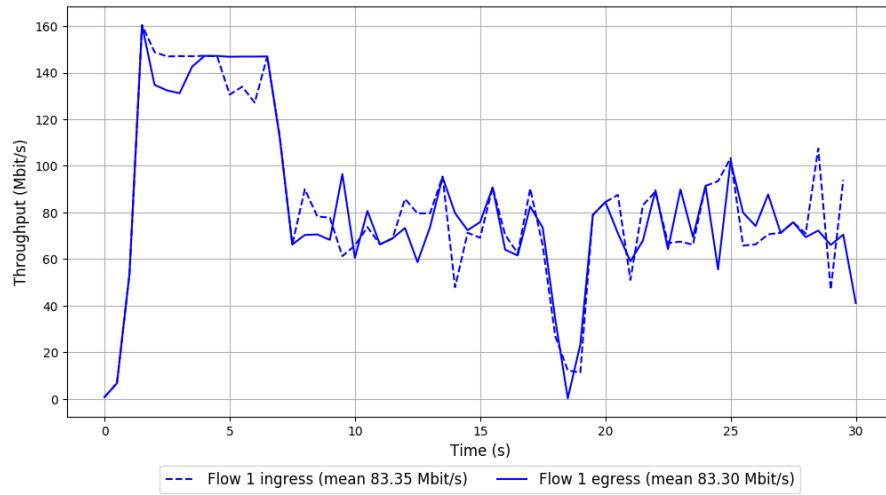


Run 4: Statistics of TCP BBR

```
Start at: 2017-12-05 13:55:11
End at: 2017-12-05 13:55:41
Local clock offset: -0.63 ms
Remote clock offset: -8.717 ms

# Below is generated by plot.py at 2017-12-05 16:25:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 96.134 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 96.134 ms
Loss rate: 0.01%
```

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

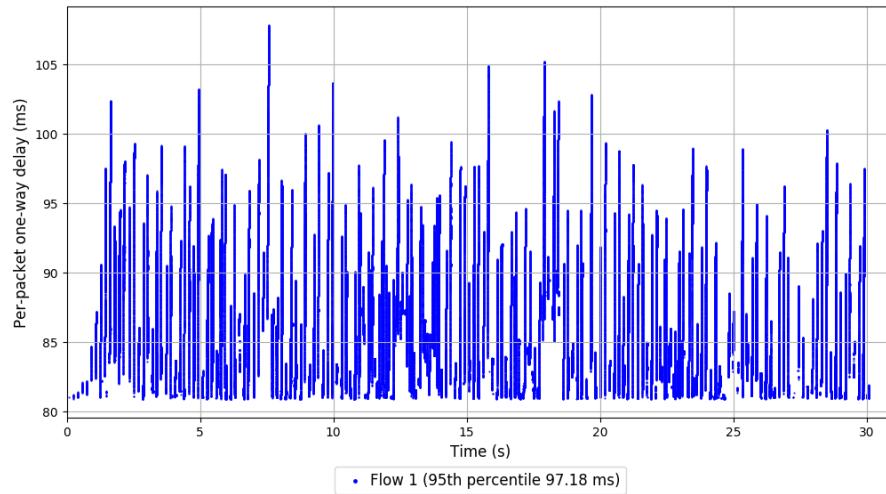
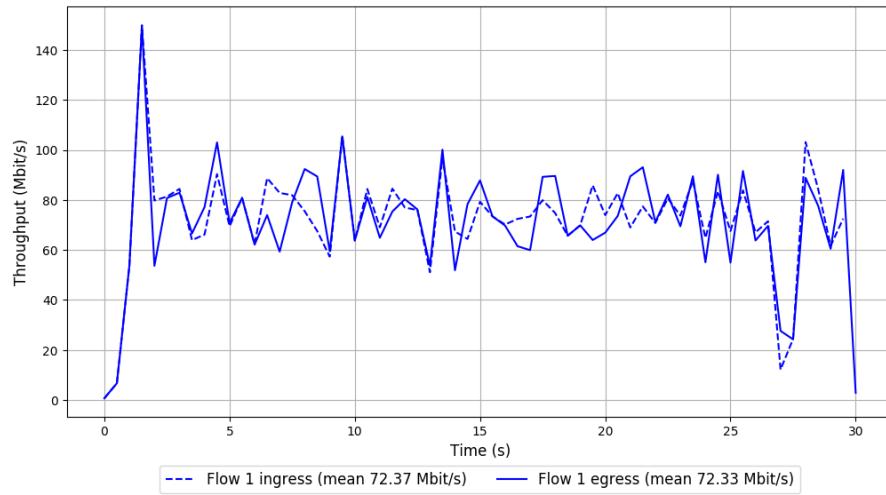


Run 5: Statistics of TCP BBR

```
Start at: 2017-12-05 14:13:02
End at: 2017-12-05 14:13:33
Local clock offset: -0.653 ms
Remote clock offset: -9.735 ms

# Below is generated by plot.py at 2017-12-05 16:25:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 97.184 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 97.184 ms
Loss rate: 0.05%
```

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

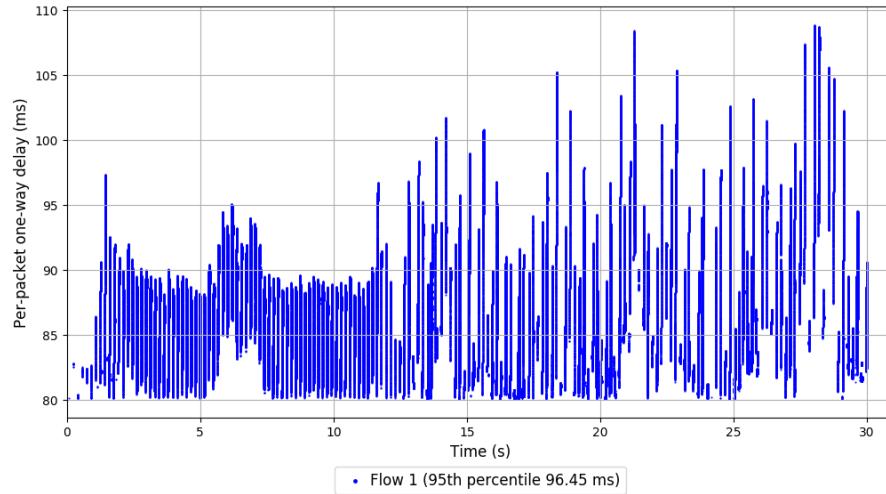
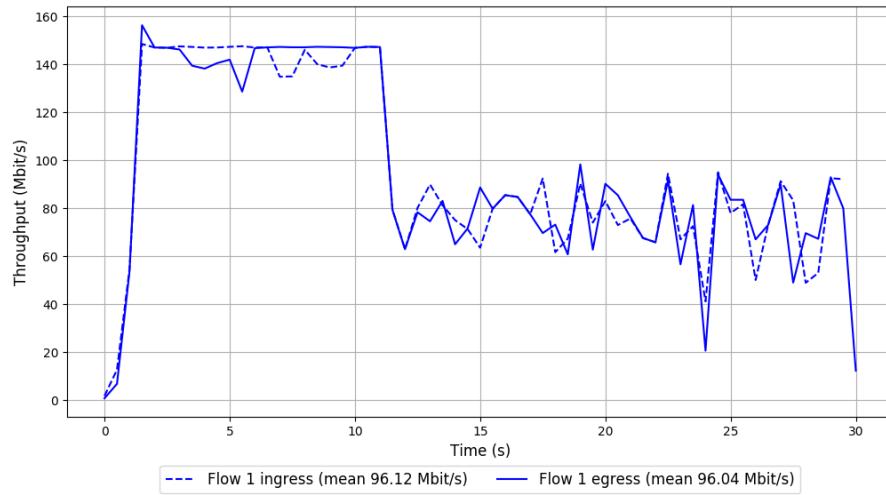


Run 6: Statistics of TCP BBR

```
Start at: 2017-12-05 14:31:00
End at: 2017-12-05 14:31:31
Local clock offset: -0.624 ms
Remote clock offset: -11.069 ms

# Below is generated by plot.py at 2017-12-05 16:25:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 96.451 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 96.451 ms
Loss rate: 0.05%
```

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

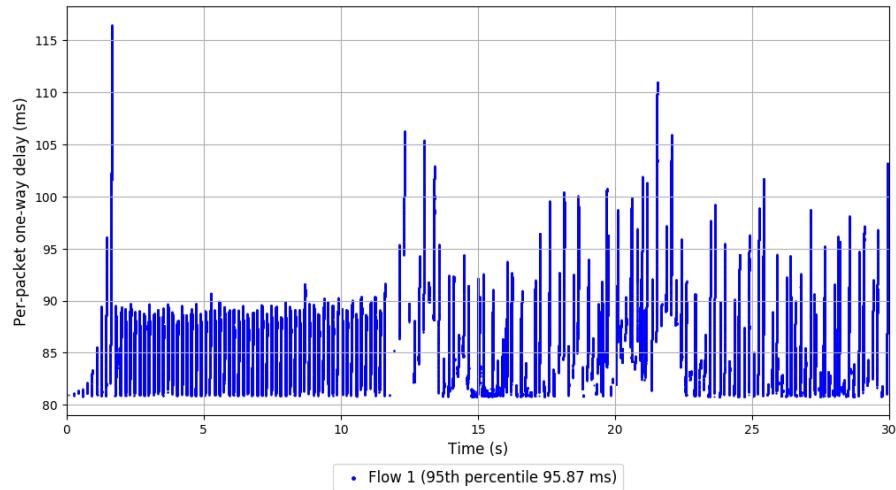
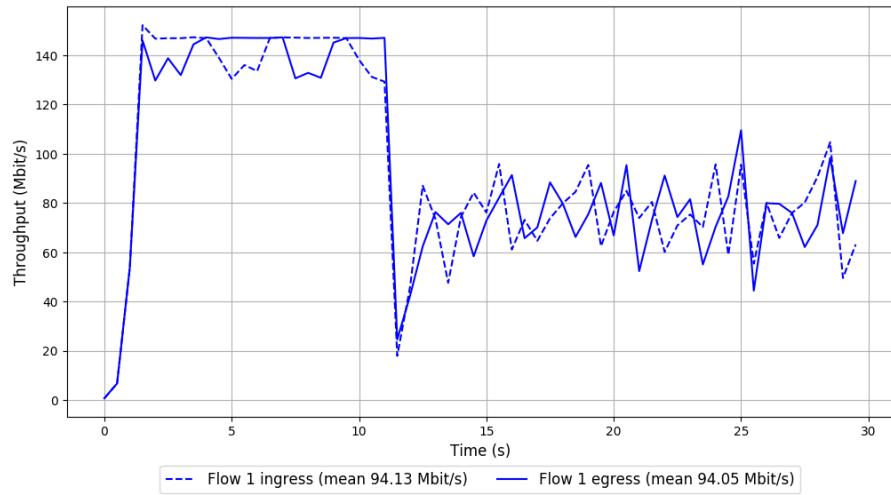


Run 7: Statistics of TCP BBR

```
Start at: 2017-12-05 14:48:48
End at: 2017-12-05 14:49:18
Local clock offset: -0.468 ms
Remote clock offset: -10.607 ms

# Below is generated by plot.py at 2017-12-05 16:25:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 95.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 95.868 ms
Loss rate: 0.00%
```

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

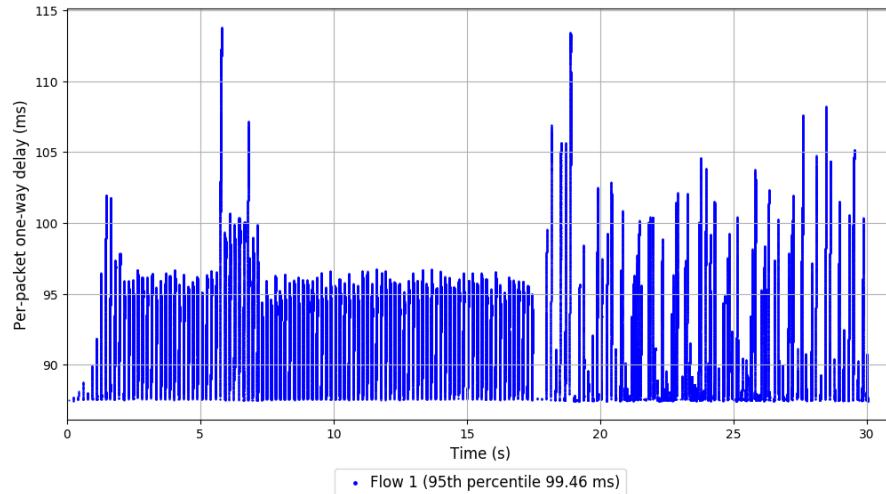
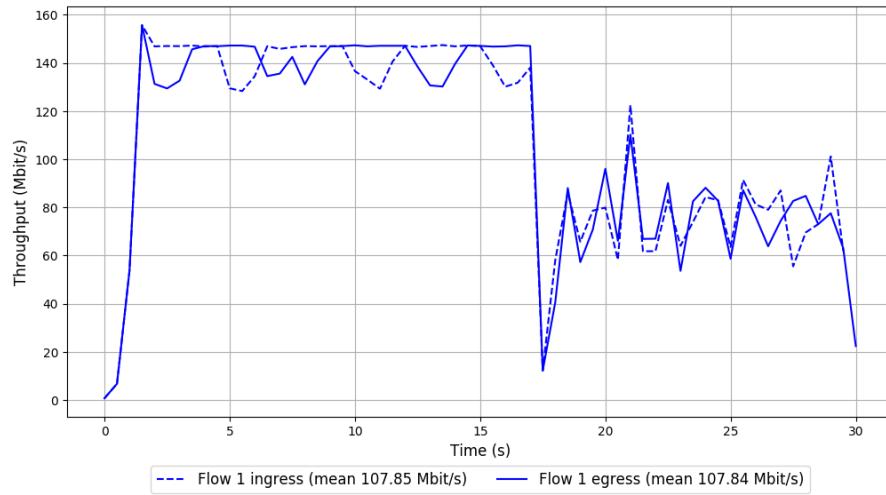


Run 8: Statistics of TCP BBR

```
Start at: 2017-12-05 15:06:21
End at: 2017-12-05 15:06:51
Local clock offset: -0.422 ms
Remote clock offset: -5.205 ms

# Below is generated by plot.py at 2017-12-05 16:25:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.84 Mbit/s
95th percentile per-packet one-way delay: 99.458 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 107.84 Mbit/s
95th percentile per-packet one-way delay: 99.458 ms
Loss rate: 0.01%
```

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

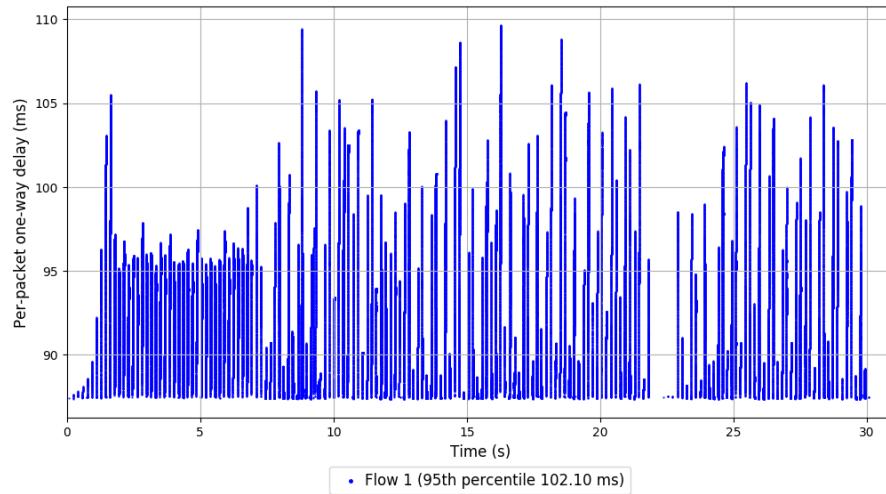
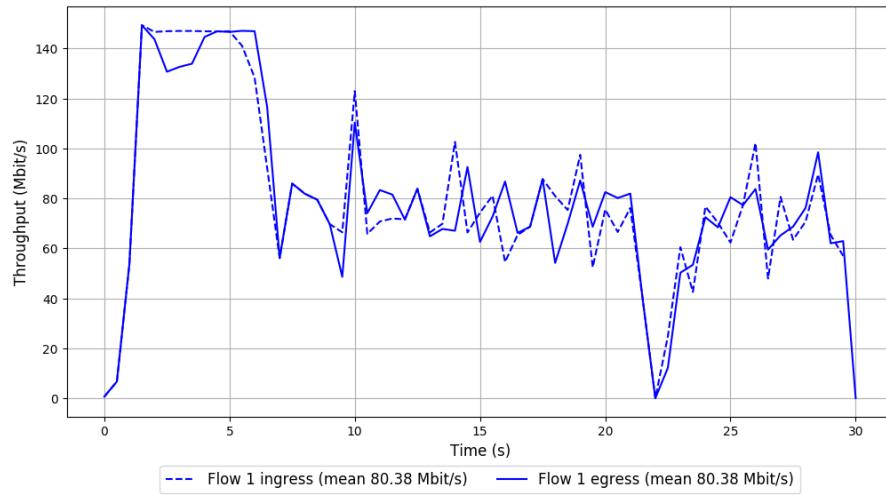


Run 9: Statistics of TCP BBR

```
Start at: 2017-12-05 15:24:10
End at: 2017-12-05 15:24:40
Local clock offset: -0.307 ms
Remote clock offset: -4.584 ms

# Below is generated by plot.py at 2017-12-05 16:26:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 102.100 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 102.100 ms
Loss rate: 0.01%
```

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

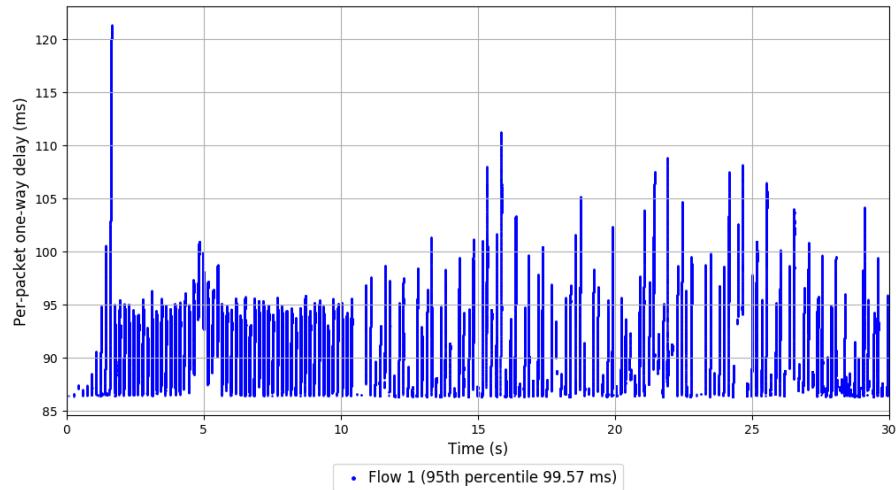
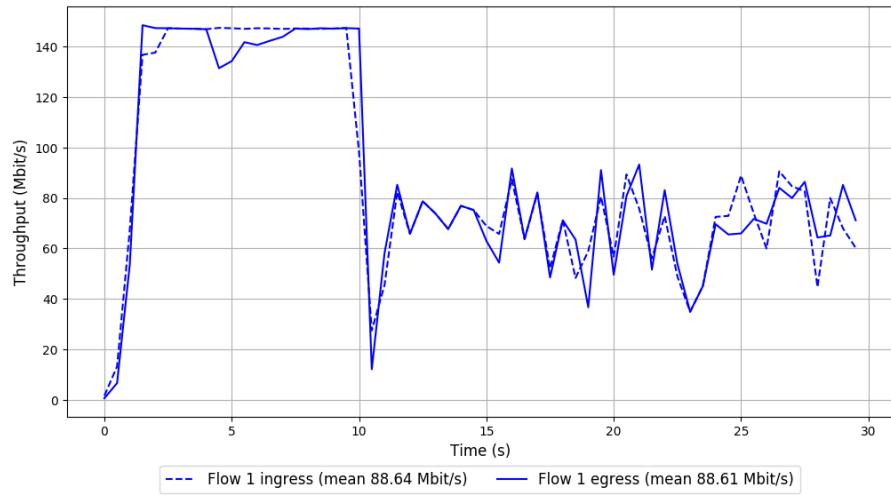


Run 10: Statistics of TCP BBR

```
Start at: 2017-12-05 15:42:09
End at: 2017-12-05 15:42:39
Local clock offset: -0.252 ms
Remote clock offset: -3.315 ms

# Below is generated by plot.py at 2017-12-05 16:26:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 99.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 99.570 ms
Loss rate: 0.00%
```

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

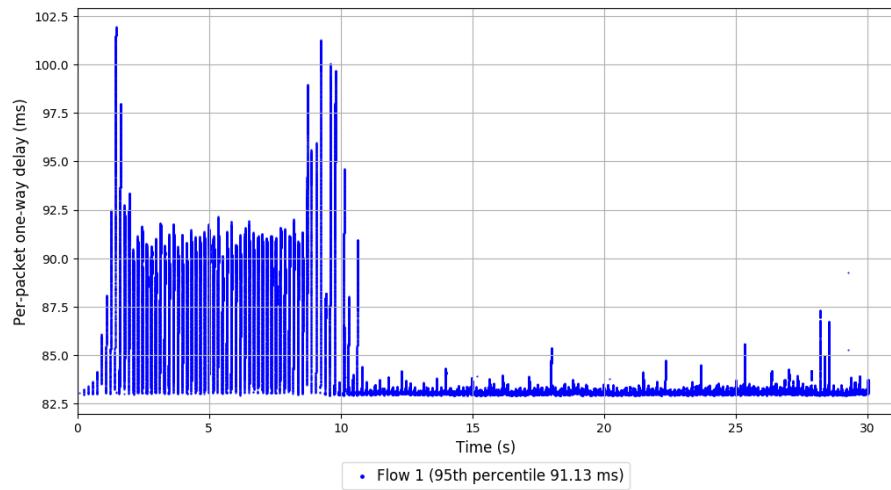
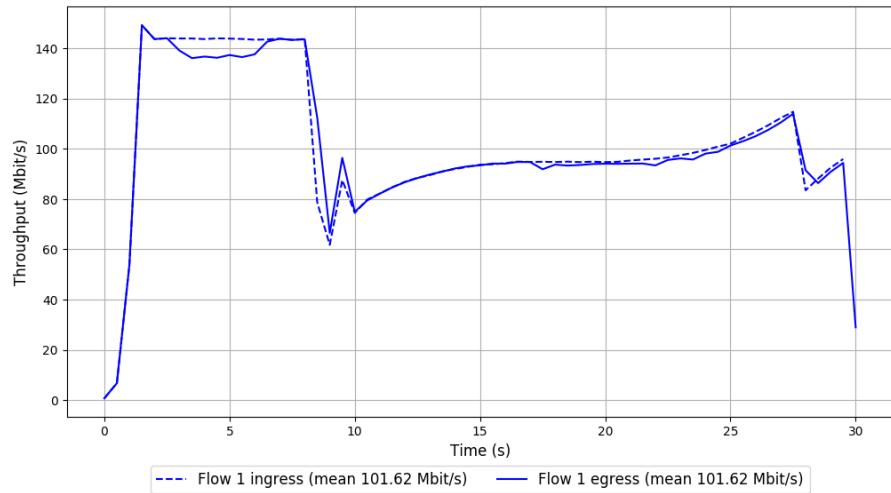


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-12-05 12:52:05
End at: 2017-12-05 12:52:35
Local clock offset: -0.024 ms
Remote clock offset: -6.18 ms

# Below is generated by plot.py at 2017-12-05 16:26:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.62 Mbit/s
95th percentile per-packet one-way delay: 91.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.62 Mbit/s
95th percentile per-packet one-way delay: 91.127 ms
Loss rate: 0.00%
```

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

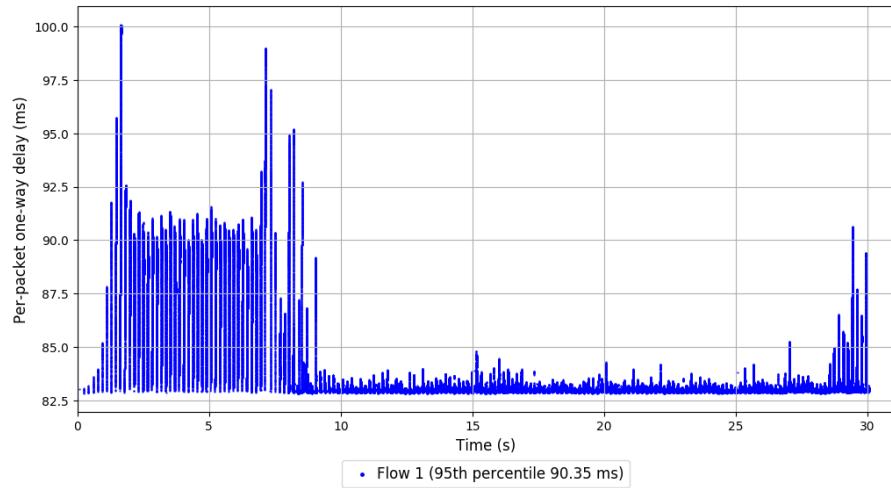
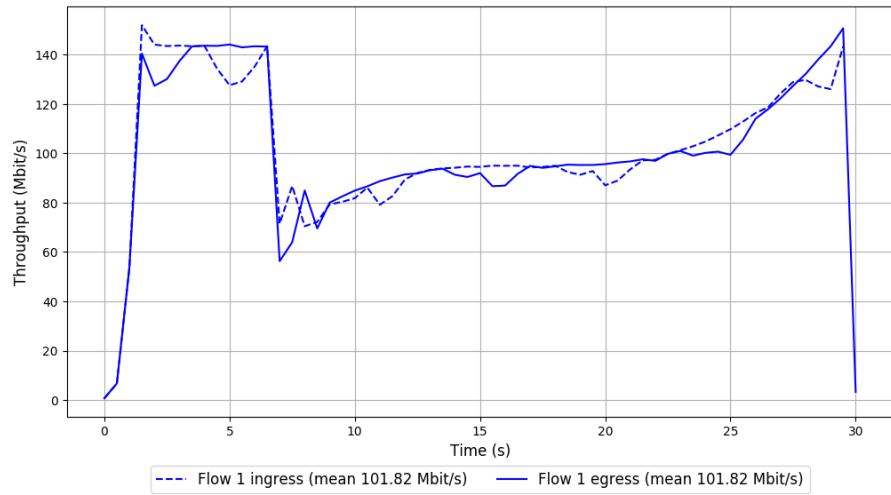


Run 2: Statistics of TCP Cubic

```
Start at: 2017-12-05 13:10:10
End at: 2017-12-05 13:10:41
Local clock offset: -0.33 ms
Remote clock offset: -6.558 ms

# Below is generated by plot.py at 2017-12-05 16:27:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.82 Mbit/s
95th percentile per-packet one-way delay: 90.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.82 Mbit/s
95th percentile per-packet one-way delay: 90.351 ms
Loss rate: 0.00%
```

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

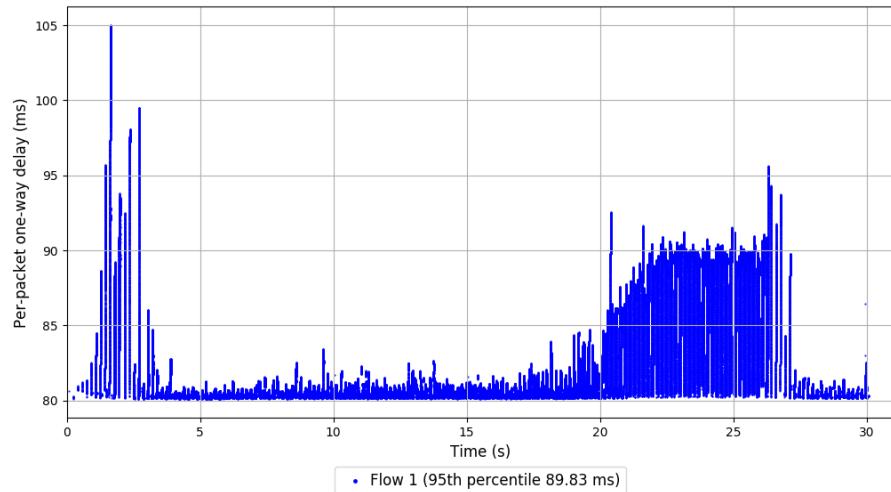
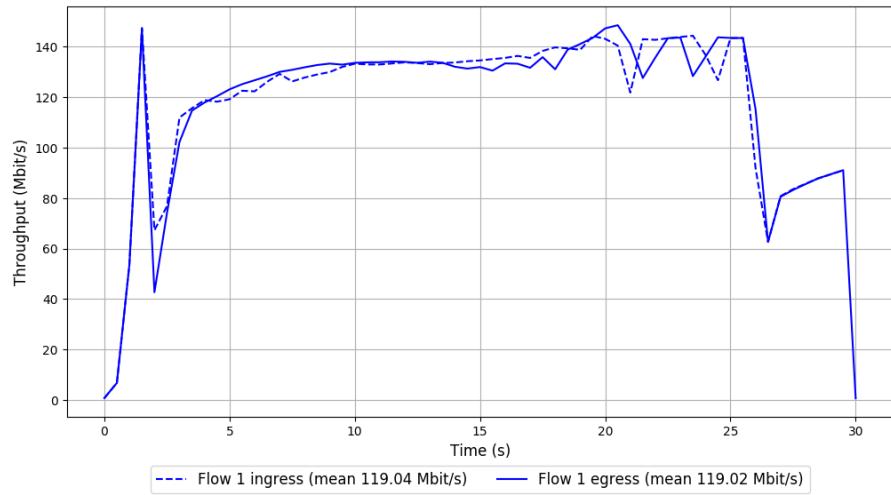


Run 3: Statistics of TCP Cubic

```
Start at: 2017-12-05 13:28:17
End at: 2017-12-05 13:28:47
Local clock offset: -0.471 ms
Remote clock offset: -8.412 ms

# Below is generated by plot.py at 2017-12-05 16:27:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 119.02 Mbit/s
95th percentile per-packet one-way delay: 89.831 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 119.02 Mbit/s
95th percentile per-packet one-way delay: 89.831 ms
Loss rate: 0.02%
```

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

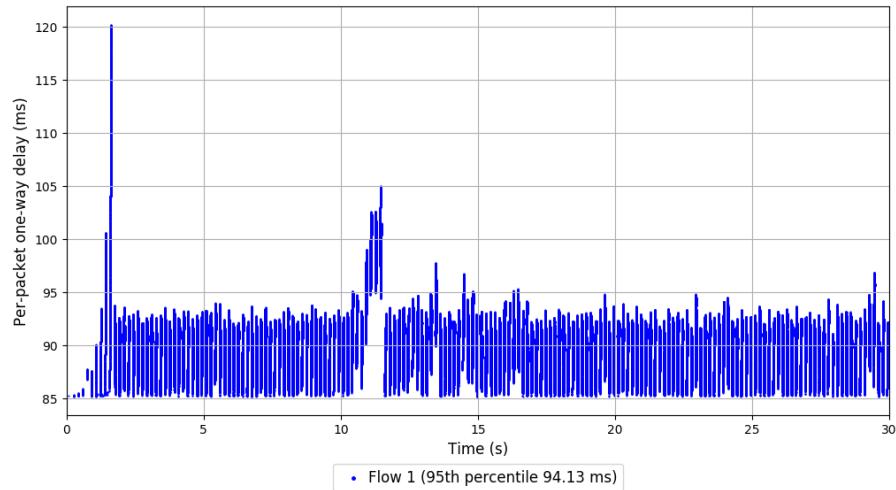
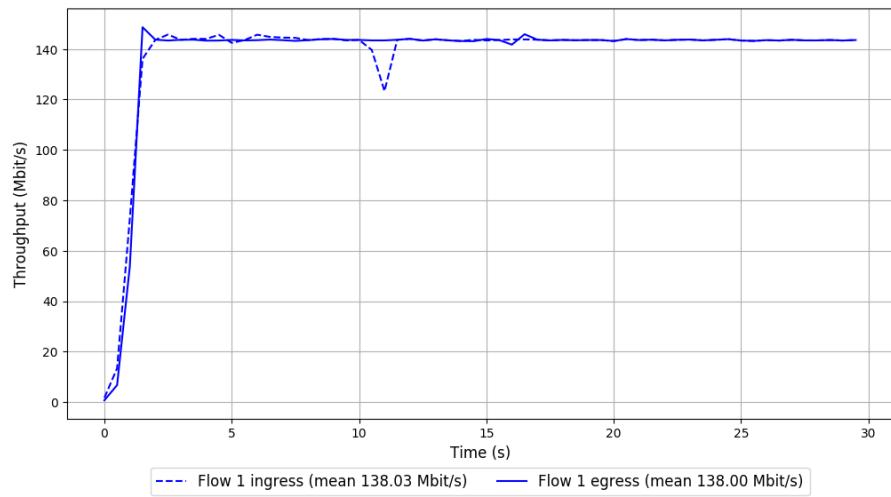


Run 4: Statistics of TCP Cubic

```
Start at: 2017-12-05 13:46:14
End at: 2017-12-05 13:46:44
Local clock offset: -0.531 ms
Remote clock offset: -4.055 ms

# Below is generated by plot.py at 2017-12-05 16:27:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.00 Mbit/s
95th percentile per-packet one-way delay: 94.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.00 Mbit/s
95th percentile per-packet one-way delay: 94.127 ms
Loss rate: 0.00%
```

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

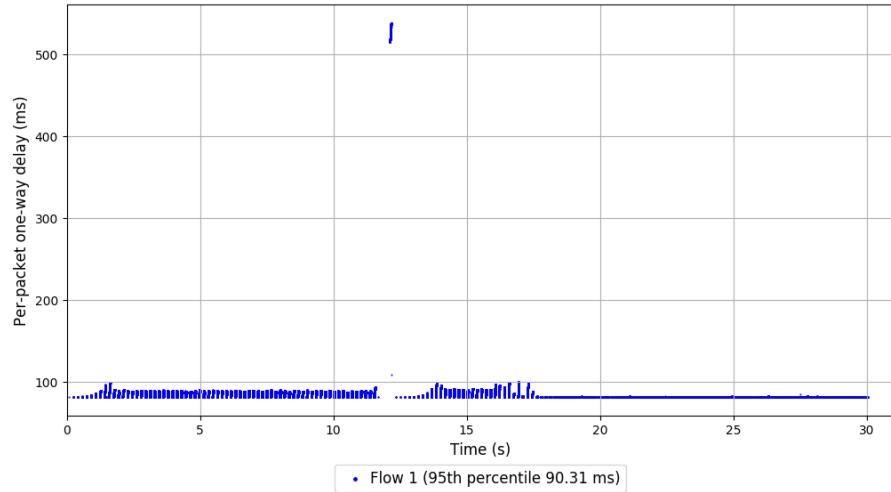
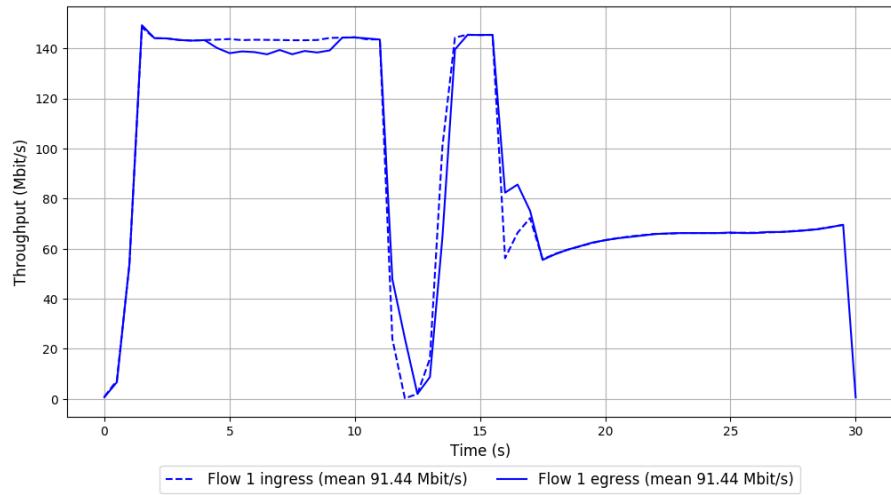


Run 5: Statistics of TCP Cubic

```
Start at: 2017-12-05 14:04:12
End at: 2017-12-05 14:04:43
Local clock offset: -0.617 ms
Remote clock offset: -10.203 ms

# Below is generated by plot.py at 2017-12-05 16:27:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.44 Mbit/s
95th percentile per-packet one-way delay: 90.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.44 Mbit/s
95th percentile per-packet one-way delay: 90.313 ms
Loss rate: 0.00%
```

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

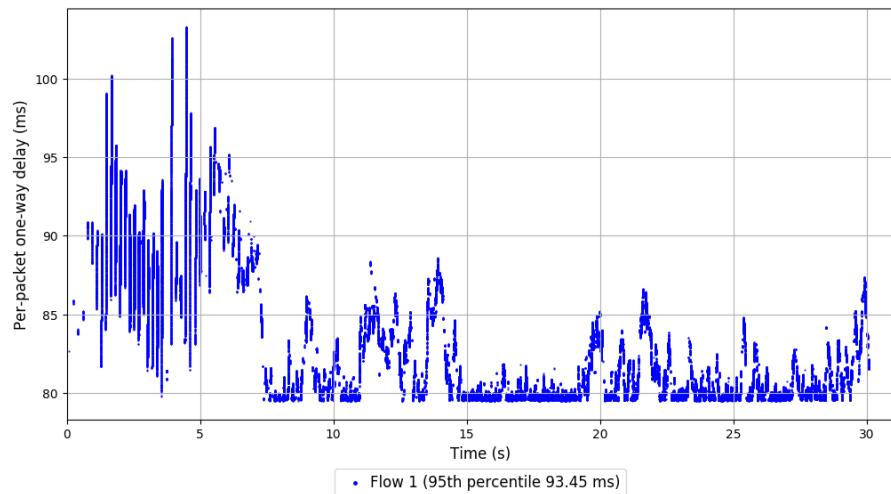
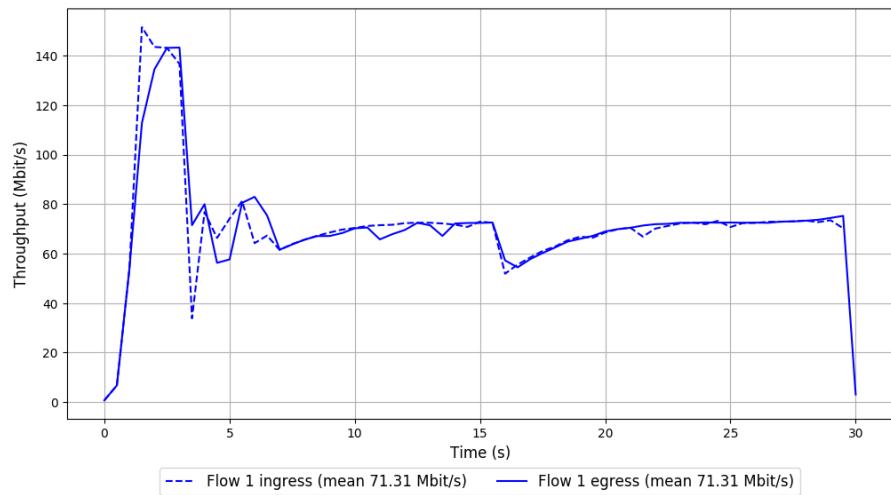


Run 6: Statistics of TCP Cubic

```
Start at: 2017-12-05 14:22:09
End at: 2017-12-05 14:22:39
Local clock offset: -0.643 ms
Remote clock offset: -10.914 ms

# Below is generated by plot.py at 2017-12-05 16:27:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.31 Mbit/s
95th percentile per-packet one-way delay: 93.448 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.31 Mbit/s
95th percentile per-packet one-way delay: 93.448 ms
Loss rate: 0.01%
```

Run 6: Report of TCP Cubic — Data Link

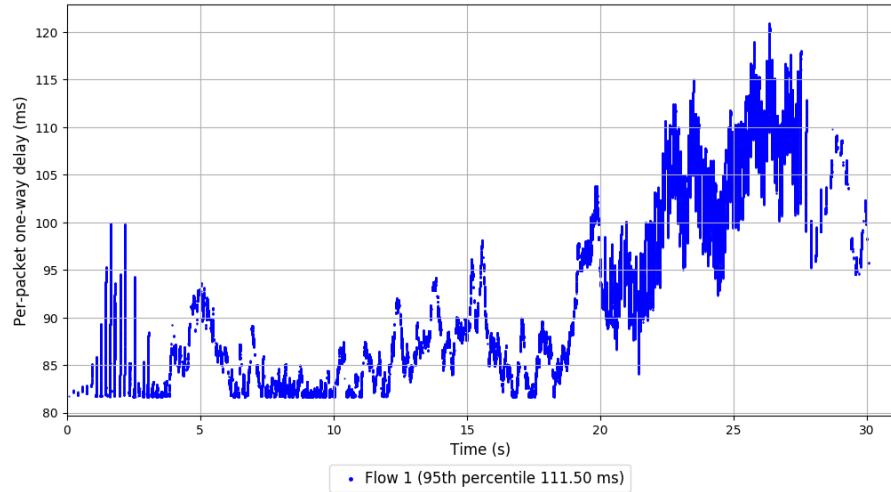
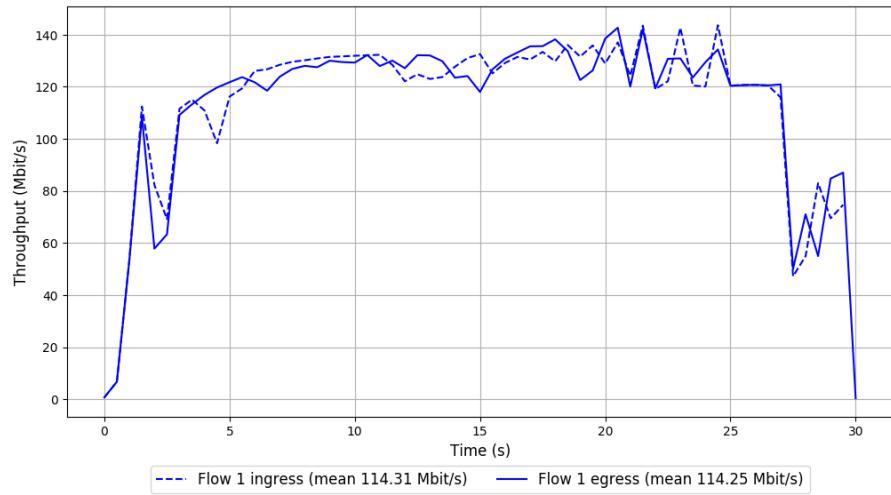


Run 7: Statistics of TCP Cubic

```
Start at: 2017-12-05 14:39:48
End at: 2017-12-05 14:40:18
Local clock offset: -0.62 ms
Remote clock offset: -10.33 ms

# Below is generated by plot.py at 2017-12-05 16:28:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.25 Mbit/s
95th percentile per-packet one-way delay: 111.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.25 Mbit/s
95th percentile per-packet one-way delay: 111.501 ms
Loss rate: 0.00%
```

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

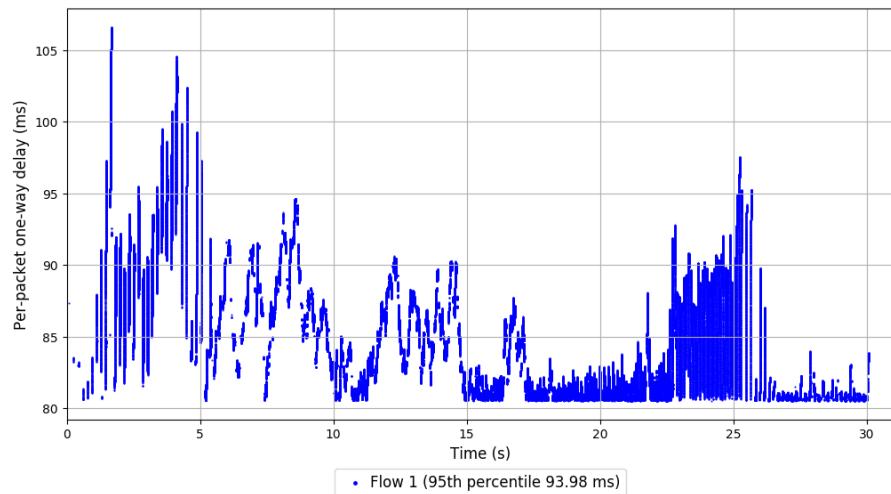
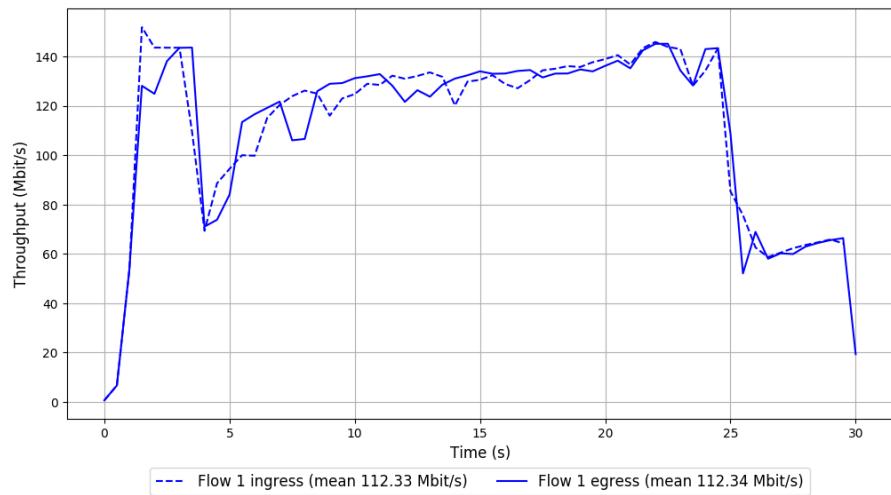


Run 8: Statistics of TCP Cubic

```
Start at: 2017-12-05 14:57:44
End at: 2017-12-05 14:58:14
Local clock offset: -0.416 ms
Remote clock offset: -10.698 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.34 Mbit/s
95th percentile per-packet one-way delay: 93.985 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 112.34 Mbit/s
95th percentile per-packet one-way delay: 93.985 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Cubic — Data Link

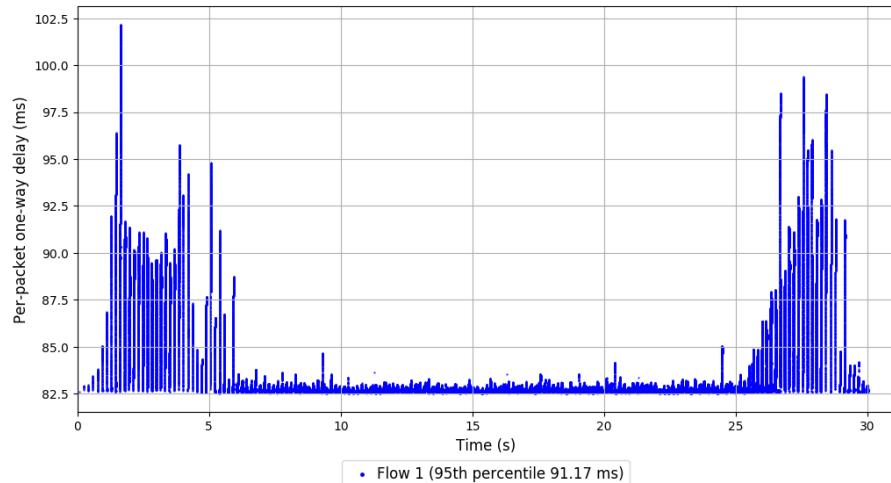
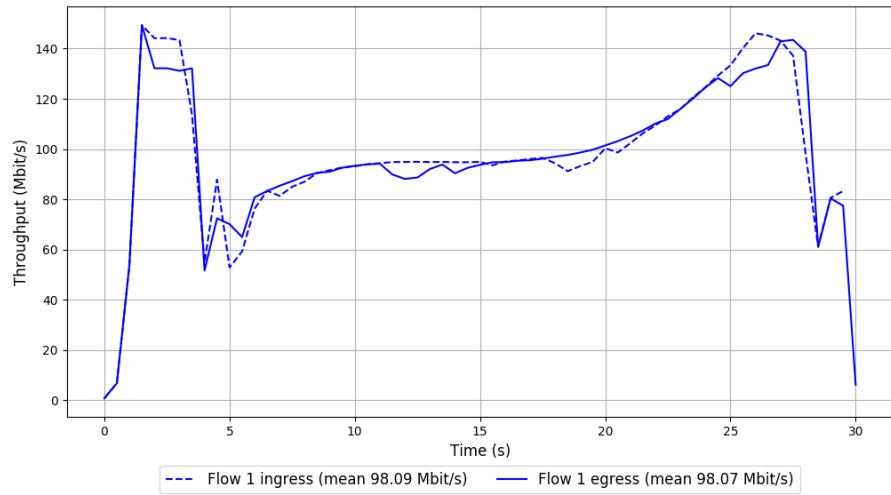


Run 9: Statistics of TCP Cubic

```
Start at: 2017-12-05 15:15:26
End at: 2017-12-05 15:15:56
Local clock offset: -0.343 ms
Remote clock offset: -10.641 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.07 Mbit/s
95th percentile per-packet one-way delay: 91.166 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 98.07 Mbit/s
95th percentile per-packet one-way delay: 91.166 ms
Loss rate: 0.02%
```

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

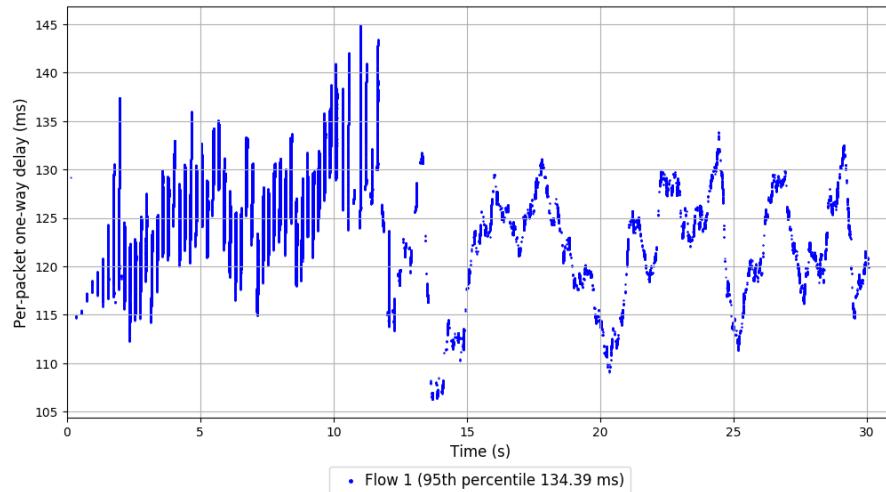
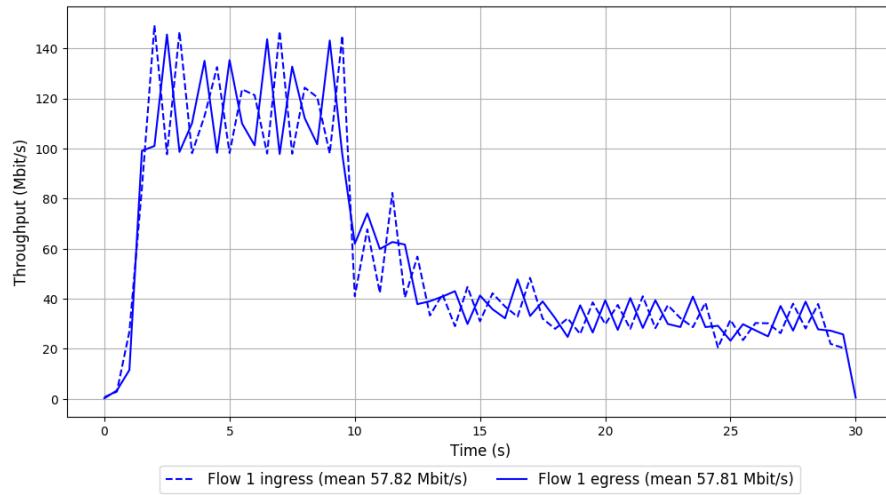


Run 10: Statistics of TCP Cubic

```
Start at: 2017-12-05 15:33:11
End at: 2017-12-05 15:33:41
Local clock offset: -0.274 ms
Remote clock offset: -8.62 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 134.389 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 134.389 ms
Loss rate: 0.05%
```

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

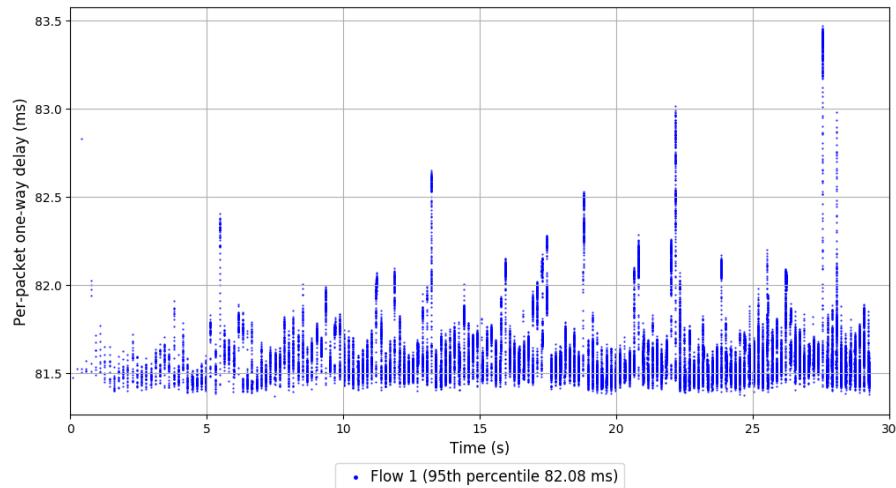
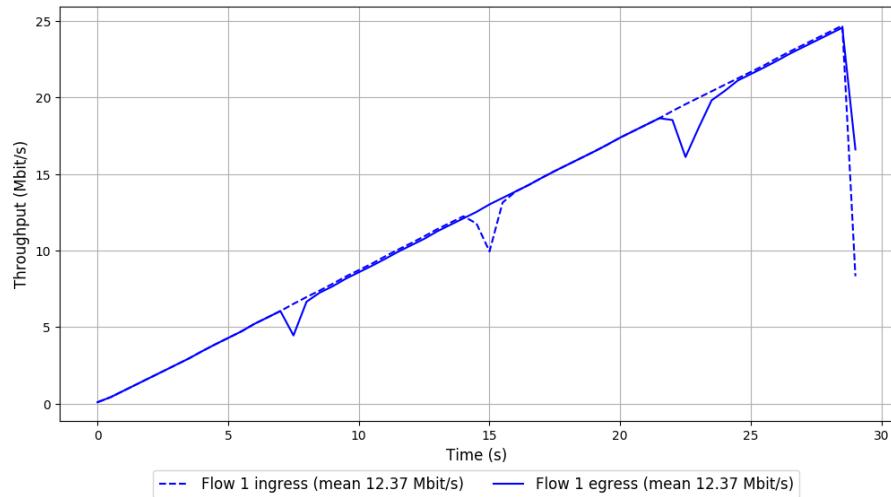


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-12-05 13:02:12
End at: 2017-12-05 13:02:42
Local clock offset: -0.185 ms
Remote clock offset: -6.783 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 82.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 82.079 ms
Loss rate: 0.00%
```

## Run 1: Report of LEDBAT — Data Link

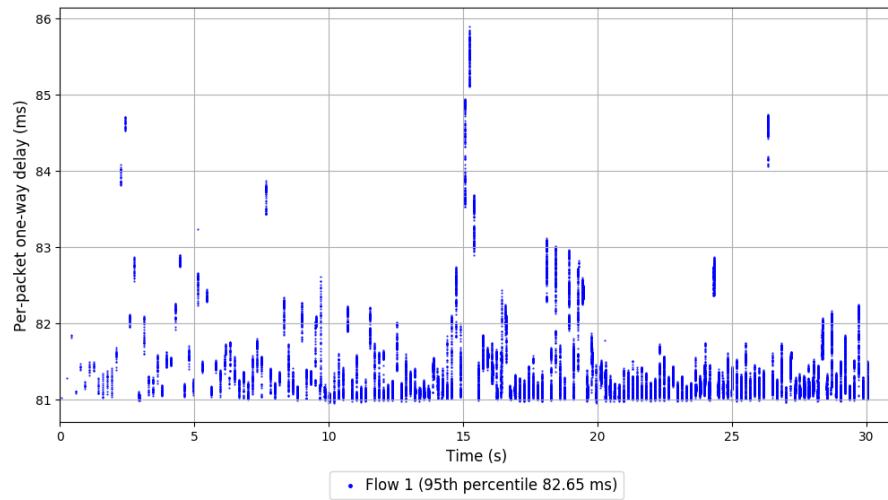
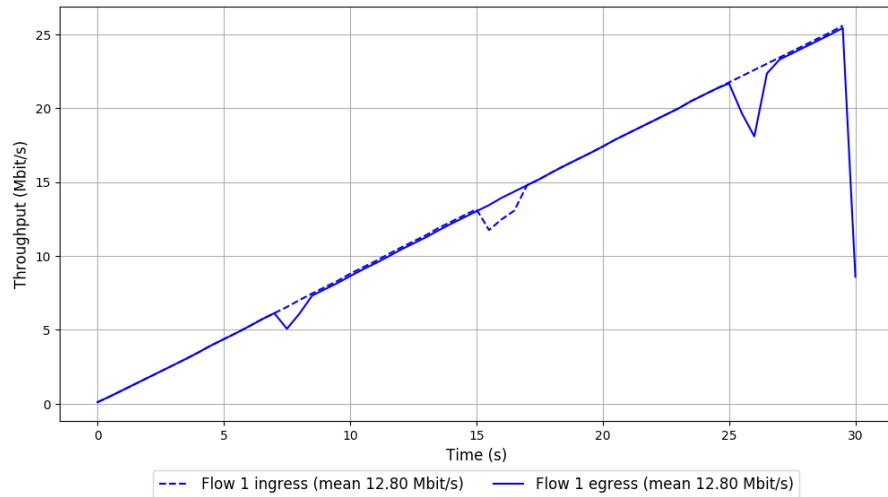


Run 2: Statistics of LEDBAT

```
Start at: 2017-12-05 13:20:26
End at: 2017-12-05 13:20:56
Local clock offset: -0.337 ms
Remote clock offset: -7.15 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 82.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 82.649 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link

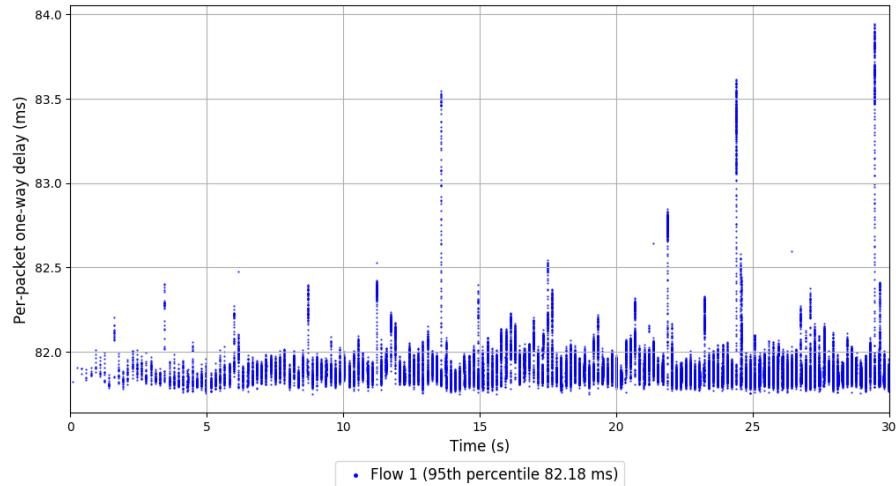
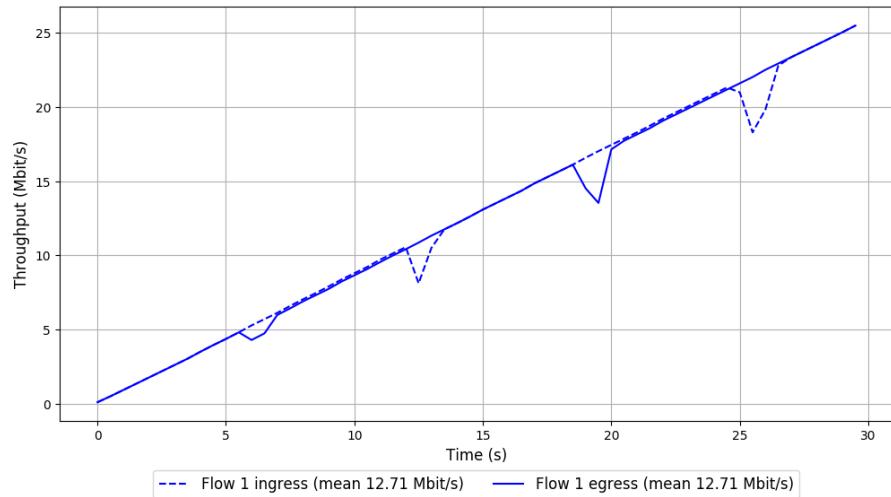


Run 3: Statistics of LEDBAT

```
Start at: 2017-12-05 13:38:29
End at: 2017-12-05 13:38:59
Local clock offset: -0.463 ms
Remote clock offset: -9.323 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 82.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 82.184 ms
Loss rate: 0.00%
```

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

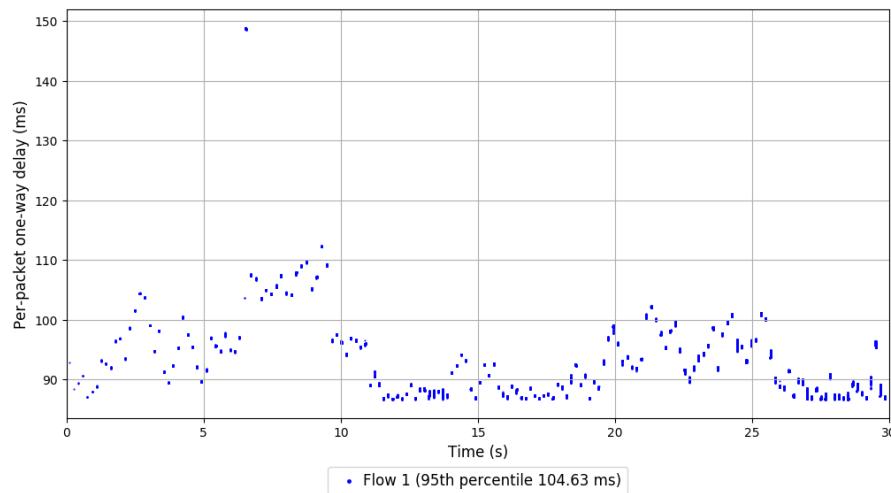
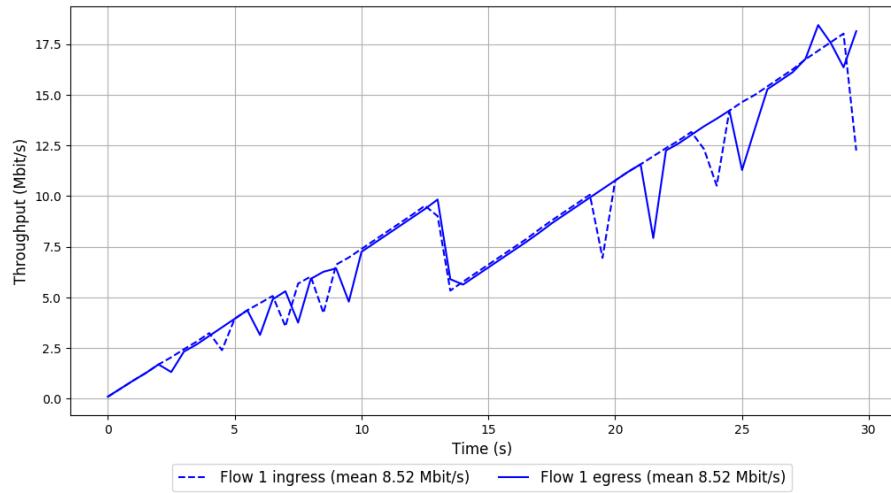


Run 4: Statistics of LEDBAT

```
Start at: 2017-12-05 13:56:25
End at: 2017-12-05 13:56:55
Local clock offset: -0.708 ms
Remote clock offset: -3.459 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 104.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 104.633 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link

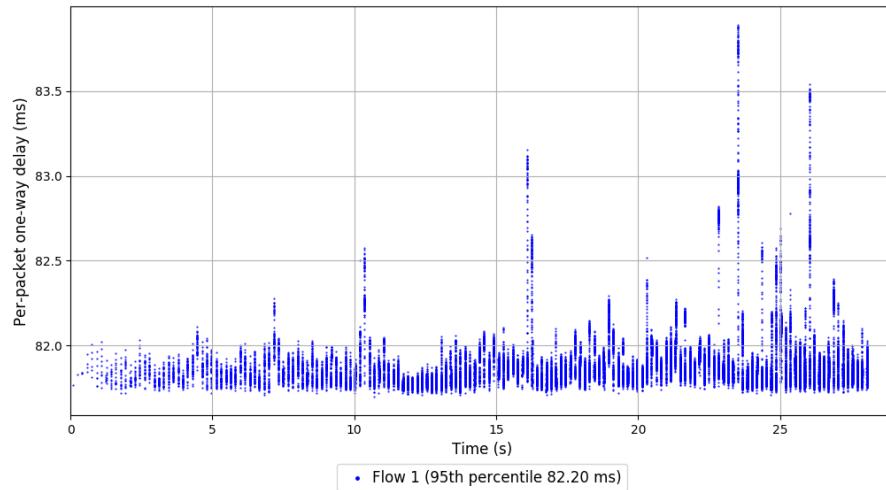
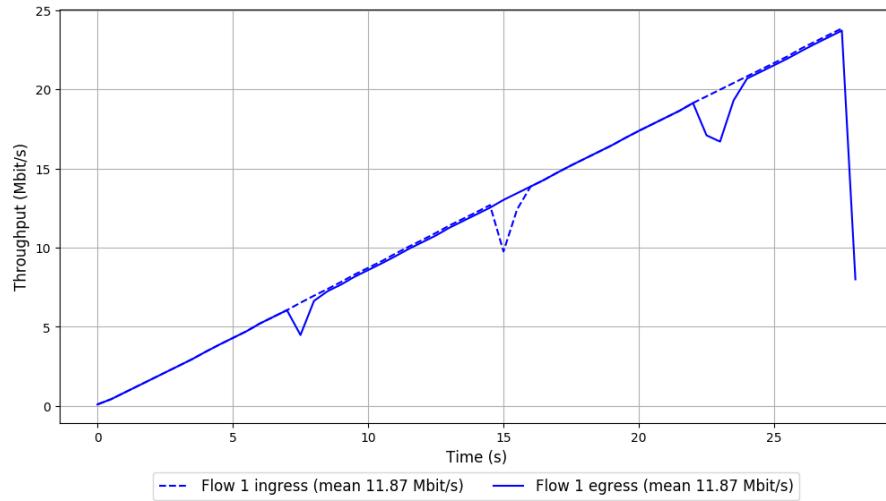


Run 5: Statistics of LEDBAT

```
Start at: 2017-12-05 14:14:16
End at: 2017-12-05 14:14:46
Local clock offset: -0.629 ms
Remote clock offset: -10.622 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 82.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 82.202 ms
Loss rate: 0.00%
```

## Run 5: Report of LEDBAT — Data Link

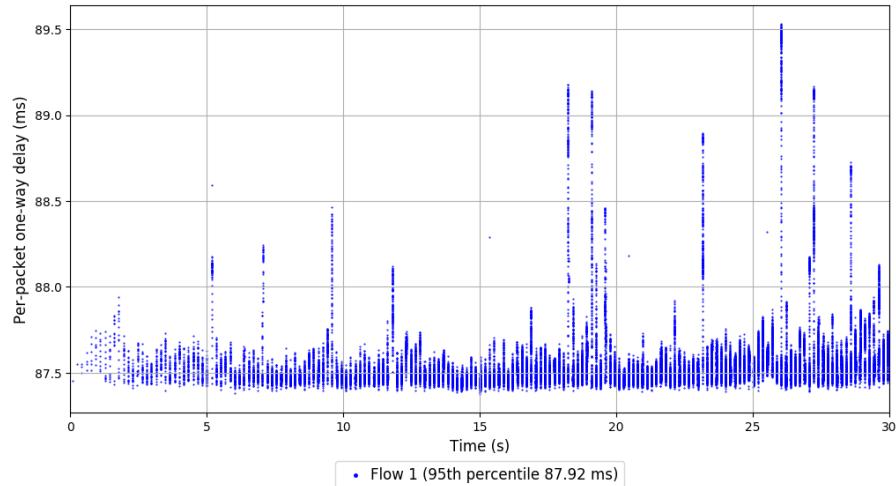
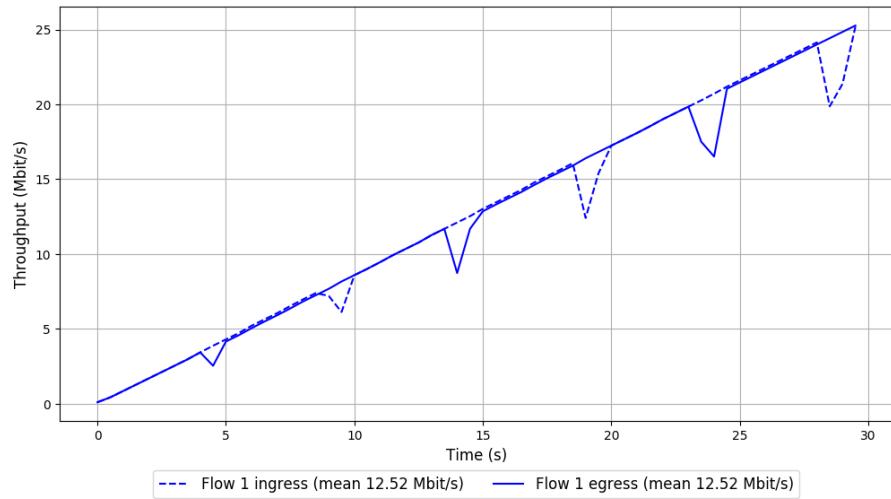


Run 6: Statistics of LEDBAT

```
Start at: 2017-12-05 14:32:15
End at: 2017-12-05 14:32:45
Local clock offset: -0.588 ms
Remote clock offset: -5.338 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 87.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 87.915 ms
Loss rate: 0.00%
```

## Run 6: Report of LEDBAT — Data Link

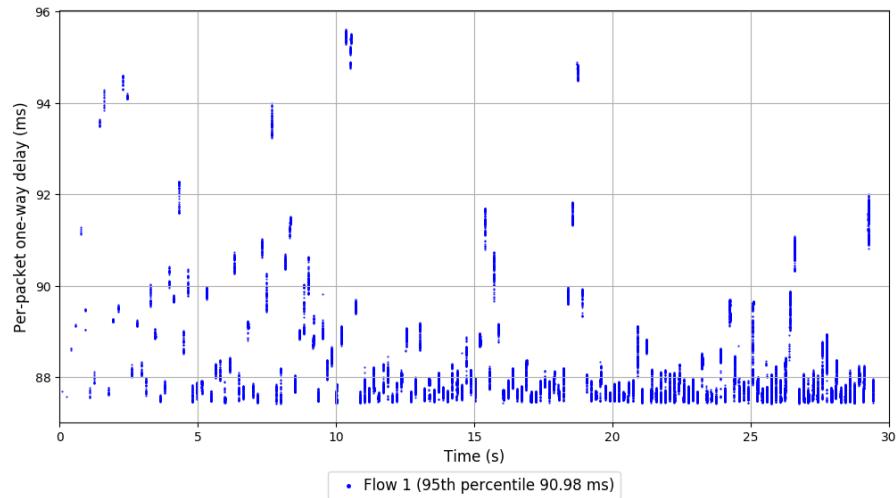
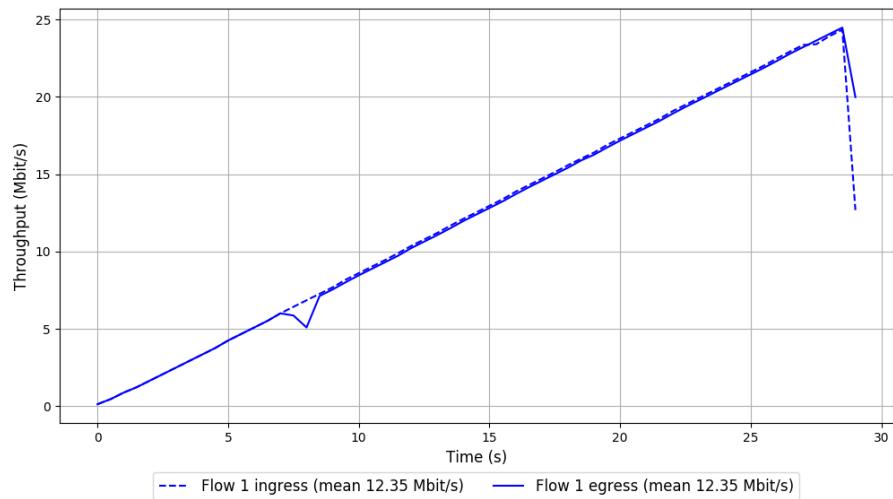


Run 7: Statistics of LEDBAT

```
Start at: 2017-12-05 14:50:03
End at: 2017-12-05 14:50:33
Local clock offset: -0.466 ms
Remote clock offset: -4.122 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 90.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 90.979 ms
Loss rate: 0.00%
```

## Run 7: Report of LEDBAT — Data Link

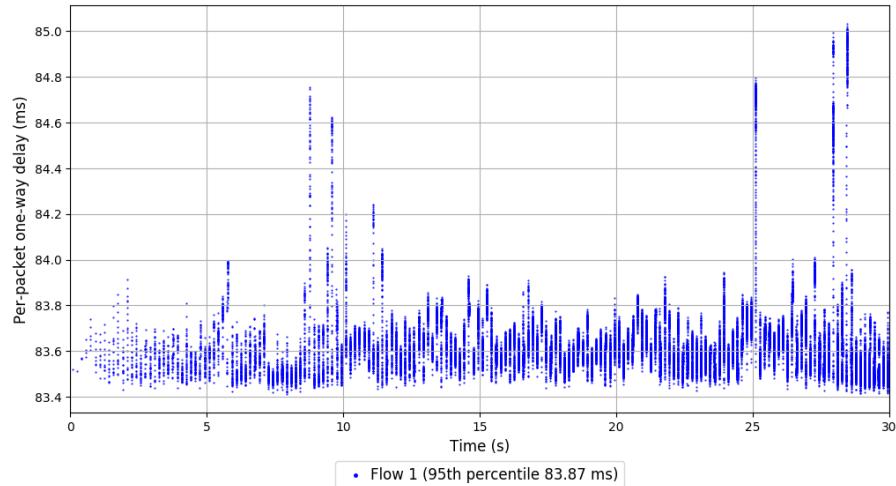
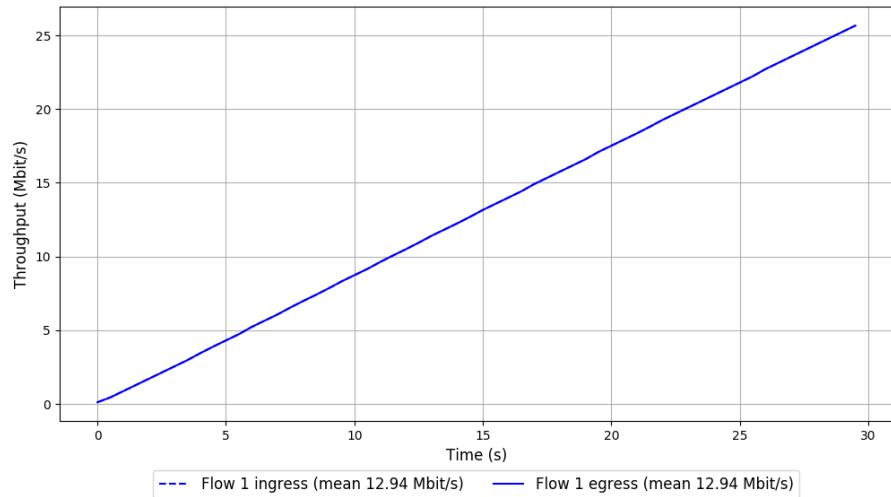


Run 8: Statistics of LEDBAT

```
Start at: 2017-12-05 15:07:37
End at: 2017-12-05 15:08:07
Local clock offset: -0.344 ms
Remote clock offset: -9.504 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 83.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 83.867 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

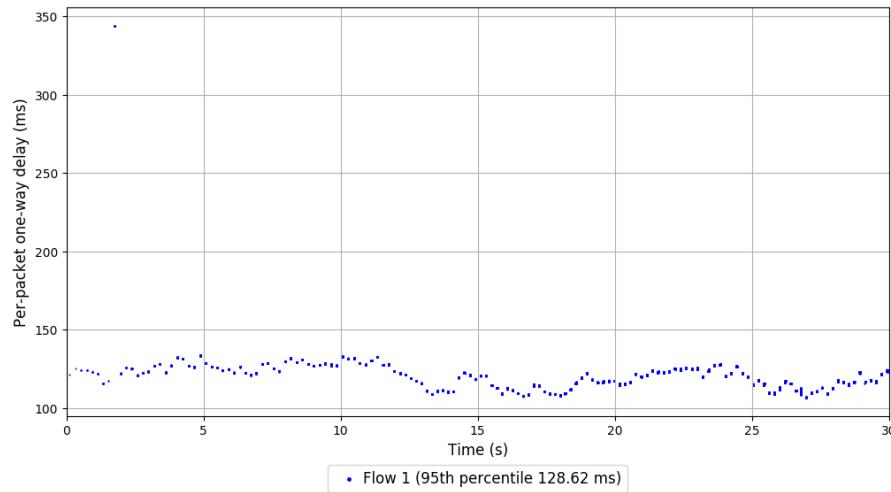
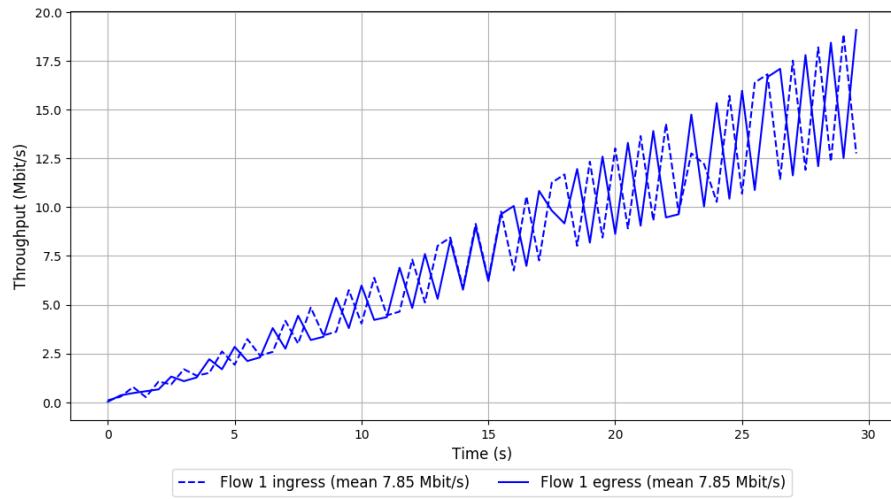


Run 9: Statistics of LEDBAT

```
Start at: 2017-12-05 15:25:26
End at: 2017-12-05 15:25:56
Local clock offset: -0.312 ms
Remote clock offset: -3.592 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 128.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 128.615 ms
Loss rate: 0.00%
```

## Run 9: Report of LEDBAT — Data Link

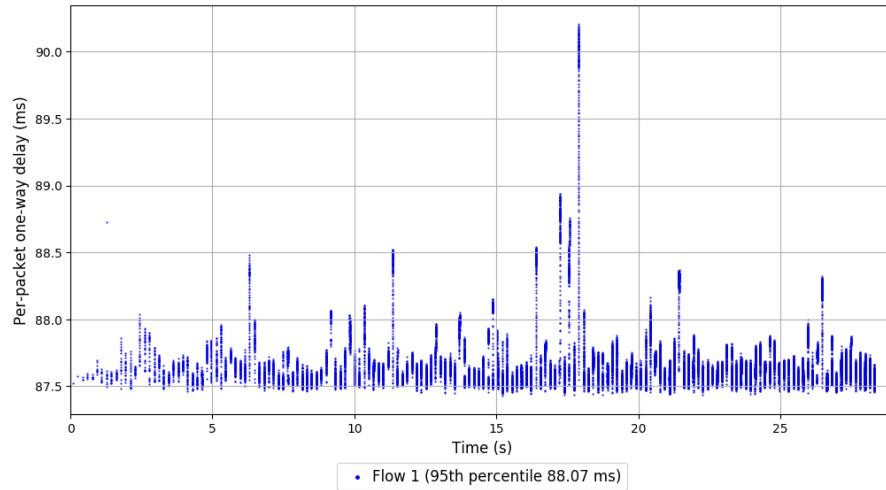
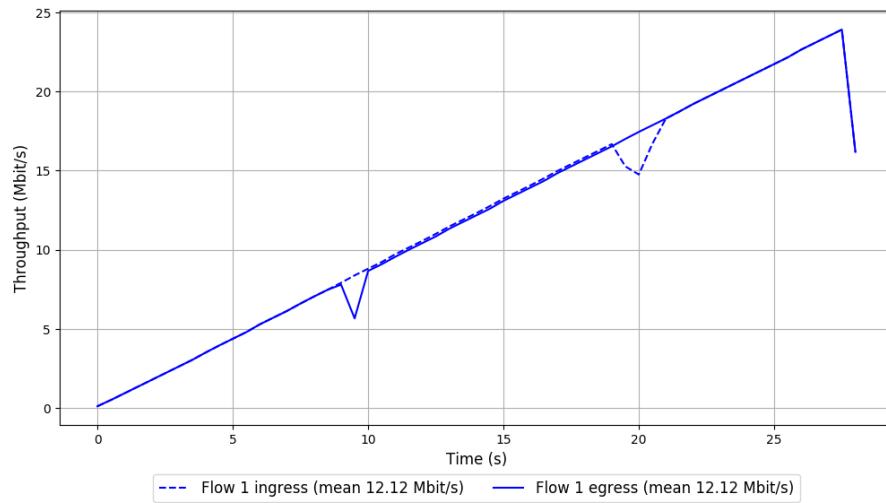


Run 10: Statistics of LEDBAT

```
Start at: 2017-12-05 15:43:24
End at: 2017-12-05 15:43:54
Local clock offset: -0.261 ms
Remote clock offset: -4.101 ms

# Below is generated by plot.py at 2017-12-05 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 88.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 88.072 ms
Loss rate: 0.00%
```

## Run 10: Report of LEDBAT — Data Link

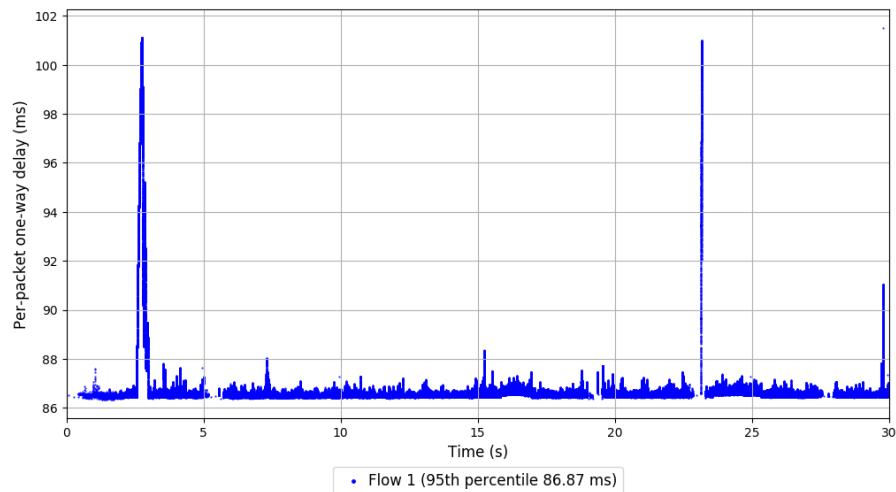
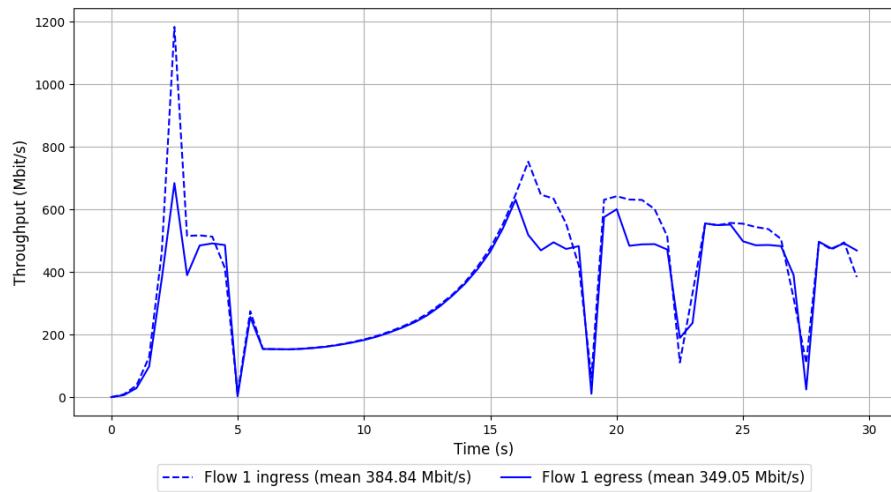


Run 1: Statistics of PCC

```
Start at: 2017-12-05 12:50:42
End at: 2017-12-05 12:51:12
Local clock offset: -0.007 ms
Remote clock offset: -0.95 ms

# Below is generated by plot.py at 2017-12-05 16:32:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 349.05 Mbit/s
95th percentile per-packet one-way delay: 86.869 ms
Loss rate: 9.30%
-- Flow 1:
Average throughput: 349.05 Mbit/s
95th percentile per-packet one-way delay: 86.869 ms
Loss rate: 9.30%
```

## Run 1: Report of PCC — Data Link

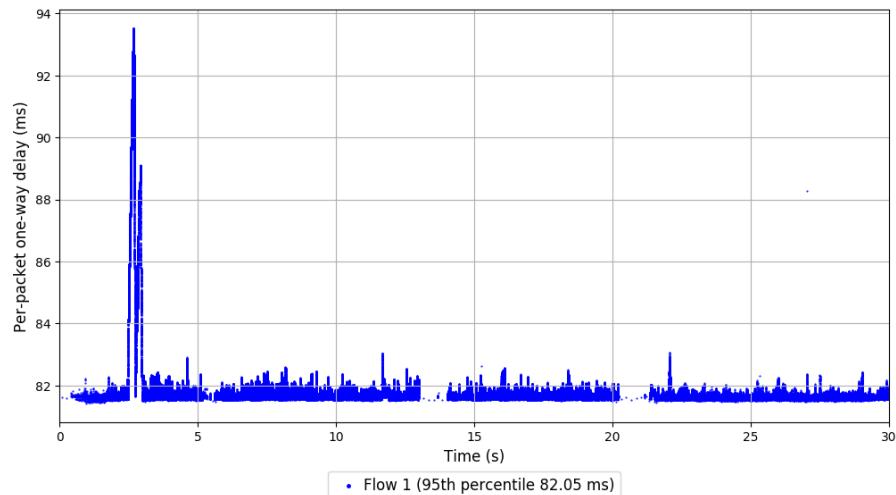
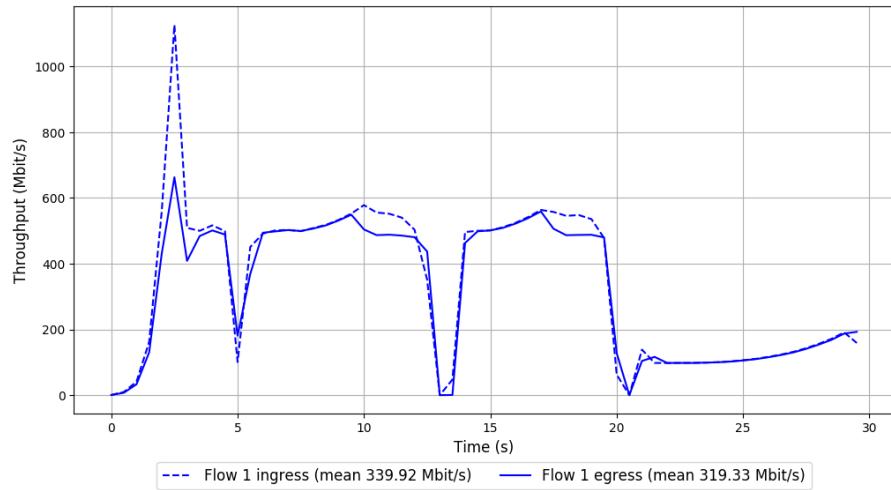


Run 2: Statistics of PCC

```
Start at: 2017-12-05 13:08:47
End at: 2017-12-05 13:09:17
Local clock offset: -0.252 ms
Remote clock offset: -6.232 ms

# Below is generated by plot.py at 2017-12-05 16:32:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 319.33 Mbit/s
95th percentile per-packet one-way delay: 82.049 ms
Loss rate: 6.06%
-- Flow 1:
Average throughput: 319.33 Mbit/s
95th percentile per-packet one-way delay: 82.049 ms
Loss rate: 6.06%
```

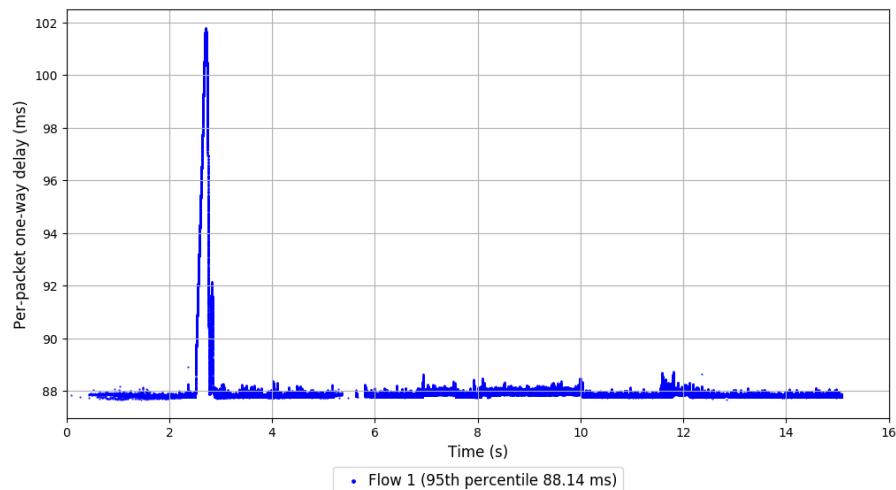
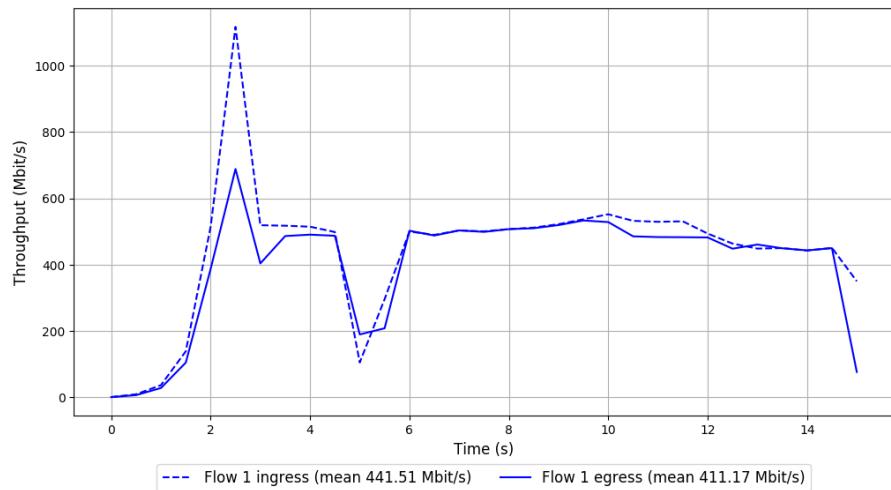
## Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-12-05 13:26:54  
End at: 2017-12-05 13:27:24  
Local clock offset: -0.405 ms  
Remote clock offset: -2.949 ms

### Run 3: Report of PCC — Data Link

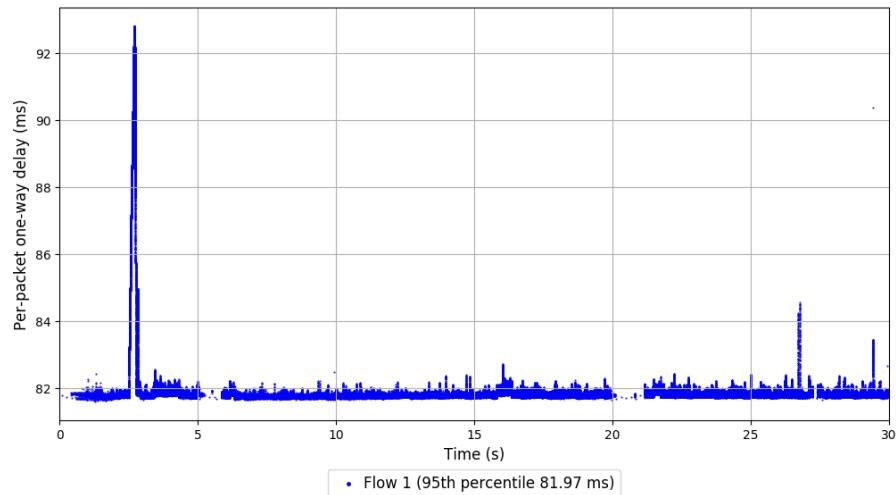
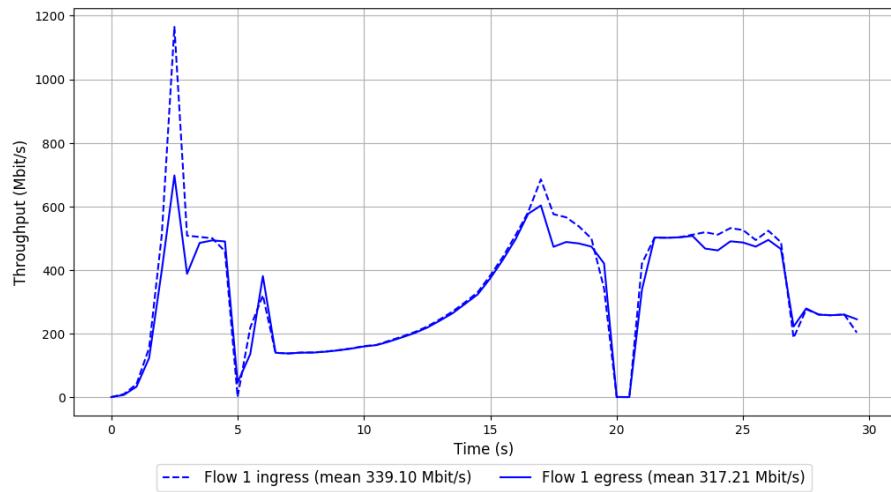


Run 4: Statistics of PCC

```
Start at: 2017-12-05 13:44:51
End at: 2017-12-05 13:45:21
Local clock offset: -0.524 ms
Remote clock offset: -9.609 ms

# Below is generated by plot.py at 2017-12-05 16:32:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 317.21 Mbit/s
95th percentile per-packet one-way delay: 81.973 ms
Loss rate: 6.46%
-- Flow 1:
Average throughput: 317.21 Mbit/s
95th percentile per-packet one-way delay: 81.973 ms
Loss rate: 6.46%
```

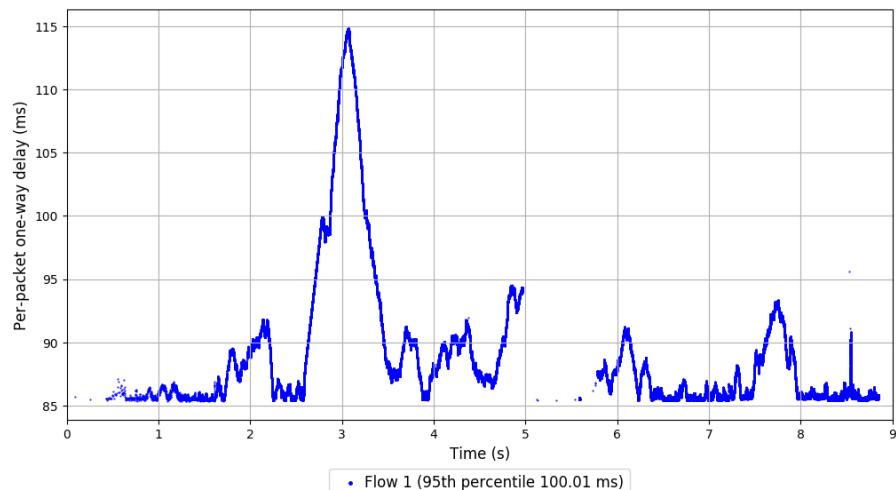
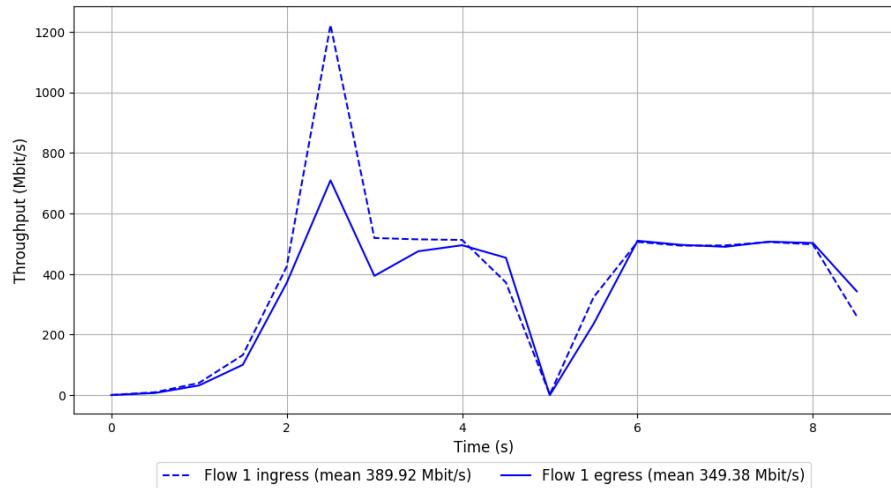
## Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-12-05 14:02:59  
End at: 2017-12-05 14:03:29  
Local clock offset: -0.634 ms  
Remote clock offset: -5.049 ms

## Run 5: Report of PCC — Data Link

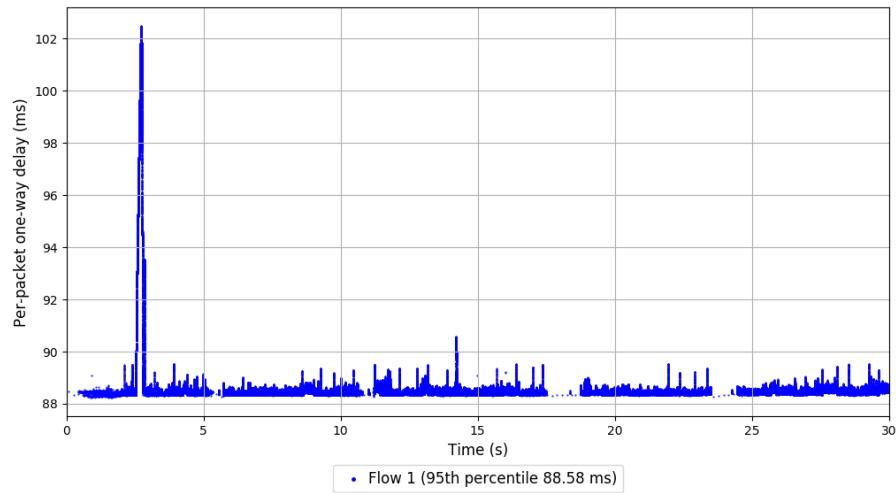
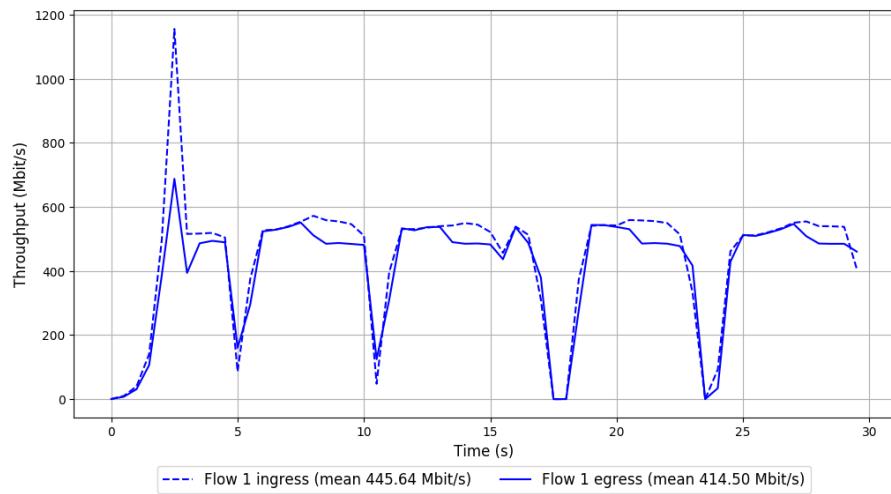


Run 6: Statistics of PCC

```
Start at: 2017-12-05 14:20:43
End at: 2017-12-05 14:21:13
Local clock offset: -0.65 ms
Remote clock offset: -4.309 ms

# Below is generated by plot.py at 2017-12-05 16:34:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 414.50 Mbit/s
95th percentile per-packet one-way delay: 88.585 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 414.50 Mbit/s
95th percentile per-packet one-way delay: 88.585 ms
Loss rate: 6.99%
```

## Run 6: Report of PCC — Data Link

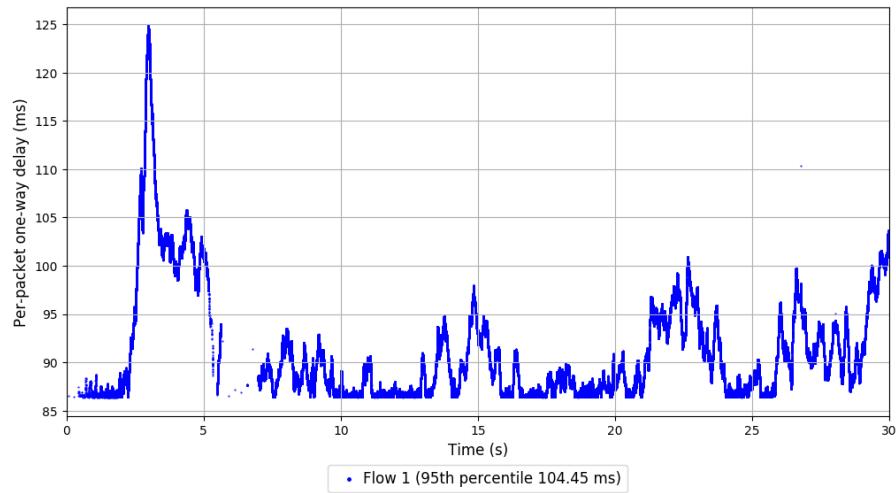
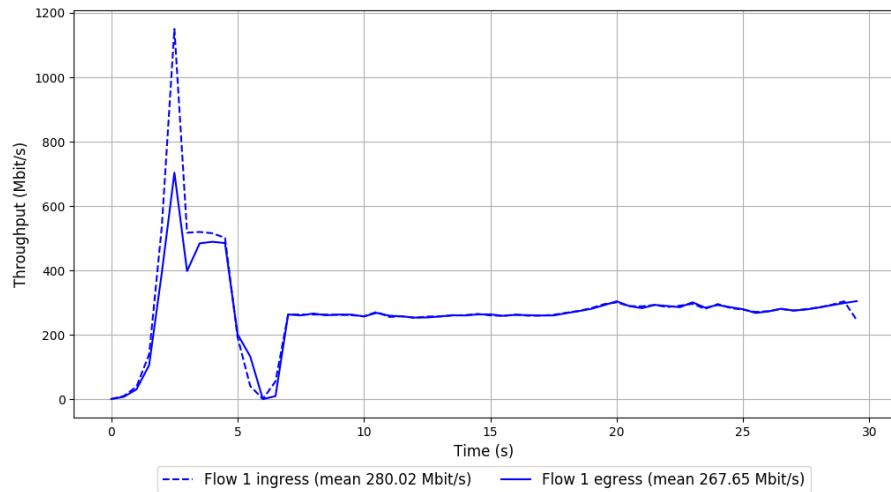


Run 7: Statistics of PCC

```
Start at: 2017-12-05 14:38:28
End at: 2017-12-05 14:38:58
Local clock offset: -0.563 ms
Remote clock offset: -4.629 ms

# Below is generated by plot.py at 2017-12-05 16:34:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.65 Mbit/s
95th percentile per-packet one-way delay: 104.450 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 267.65 Mbit/s
95th percentile per-packet one-way delay: 104.450 ms
Loss rate: 4.36%
```

## Run 7: Report of PCC — Data Link

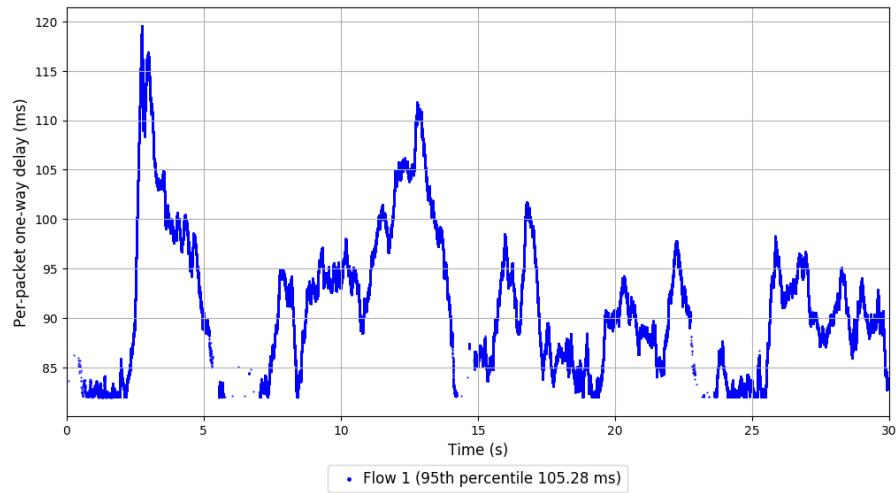
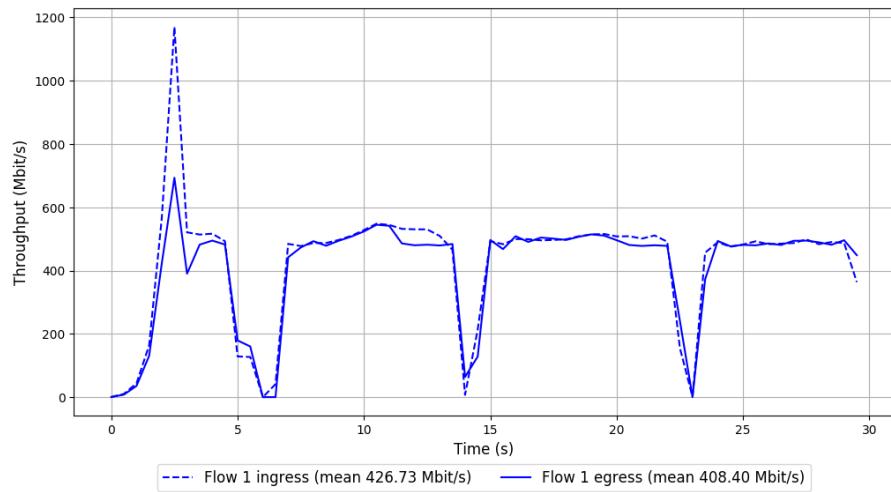


Run 8: Statistics of PCC

```
Start at: 2017-12-05 14:56:19
End at: 2017-12-05 14:56:49
Local clock offset: -0.429 ms
Remote clock offset: -9.945 ms

# Below is generated by plot.py at 2017-12-05 16:34:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 408.40 Mbit/s
95th percentile per-packet one-way delay: 105.285 ms
Loss rate: 4.30%
-- Flow 1:
Average throughput: 408.40 Mbit/s
95th percentile per-packet one-way delay: 105.285 ms
Loss rate: 4.30%
```

## Run 8: Report of PCC — Data Link

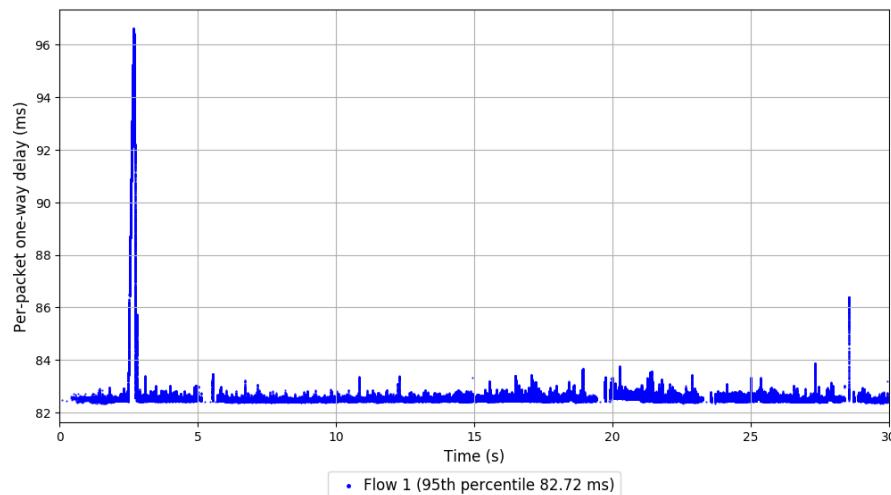
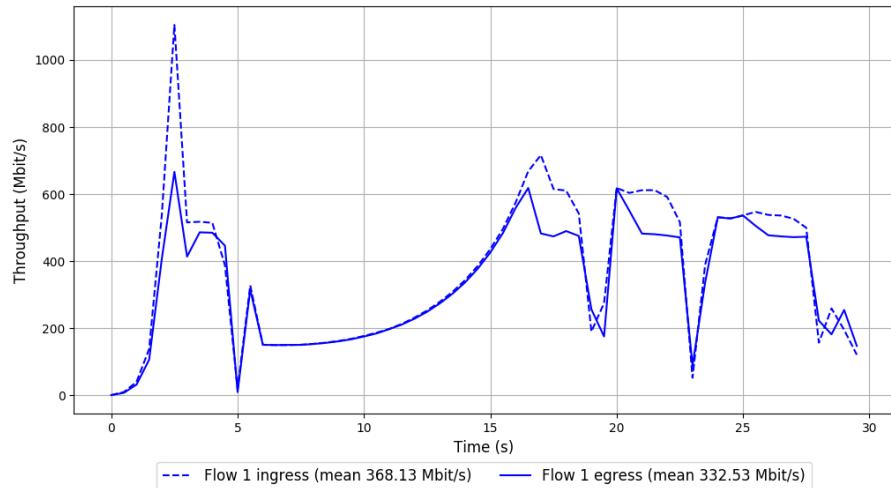


Run 9: Statistics of PCC

```
Start at: 2017-12-05 15:13:55
End at: 2017-12-05 15:14:25
Local clock offset: -0.32 ms
Remote clock offset: -9.771 ms

# Below is generated by plot.py at 2017-12-05 16:34:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.53 Mbit/s
95th percentile per-packet one-way delay: 82.725 ms
Loss rate: 9.67%
-- Flow 1:
Average throughput: 332.53 Mbit/s
95th percentile per-packet one-way delay: 82.725 ms
Loss rate: 9.67%
```

### Run 9: Report of PCC — Data Link

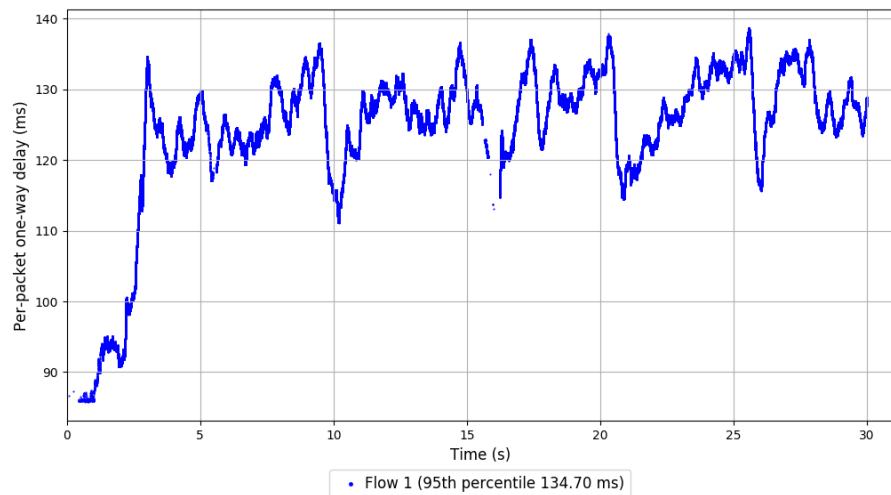
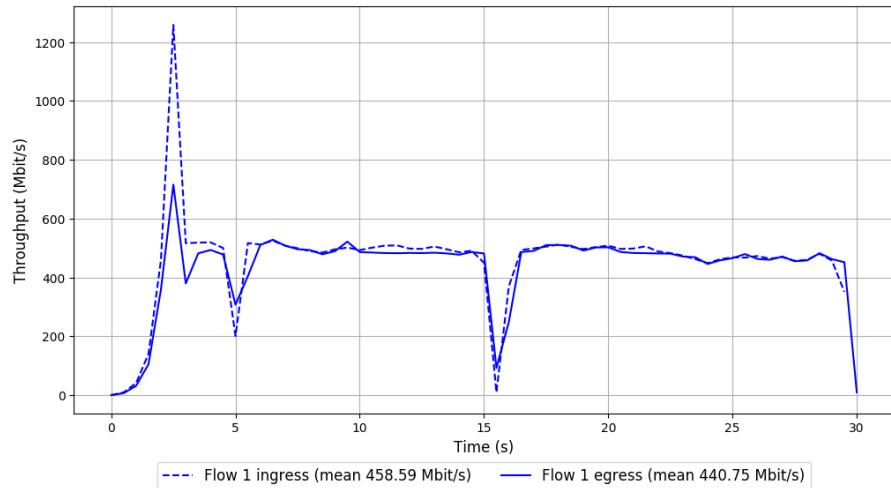


Run 10: Statistics of PCC

```
Start at: 2017-12-05 15:31:44
End at: 2017-12-05 15:32:14
Local clock offset: -0.296 ms
Remote clock offset: -4.534 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 440.75 Mbit/s
95th percentile per-packet one-way delay: 134.697 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 440.75 Mbit/s
95th percentile per-packet one-way delay: 134.697 ms
Loss rate: 3.77%
```

## Run 10: Report of PCC — Data Link

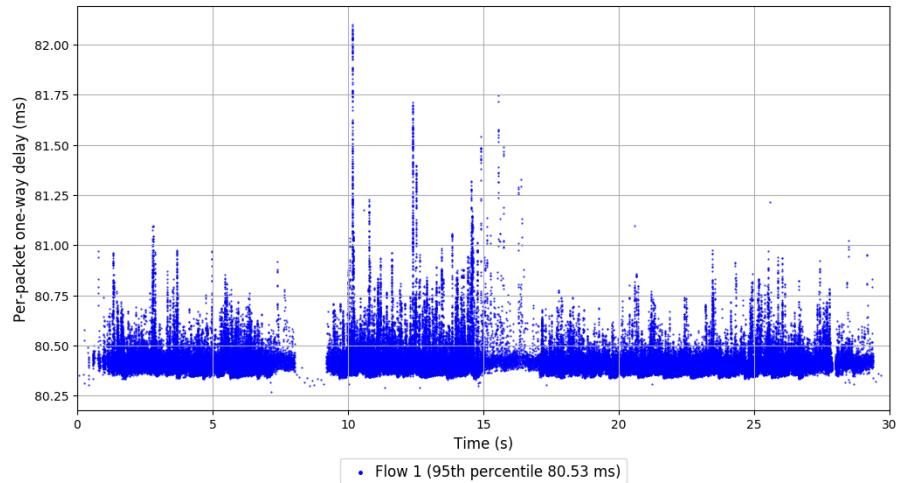
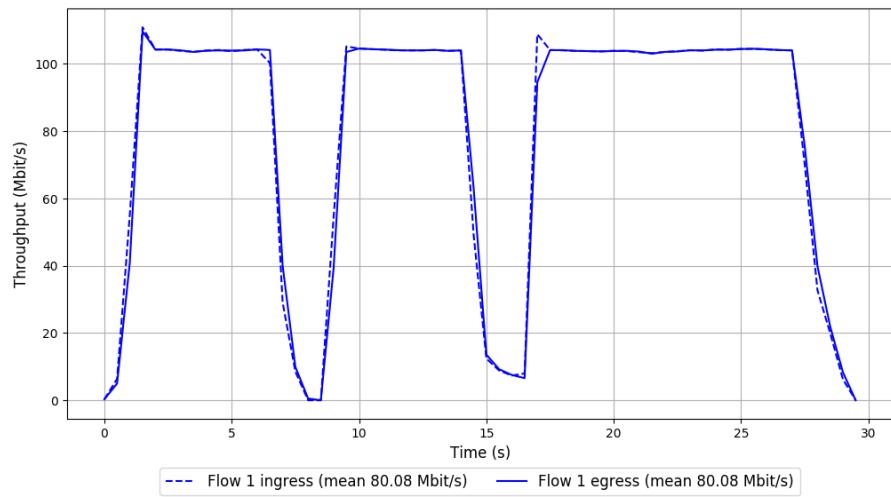


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2017-12-05 12:57:10
End at: 2017-12-05 12:57:40
Local clock offset: -0.126 ms
Remote clock offset: -7.187 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.08 Mbit/s
95th percentile per-packet one-way delay: 80.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.08 Mbit/s
95th percentile per-packet one-way delay: 80.526 ms
Loss rate: 0.00%
```

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

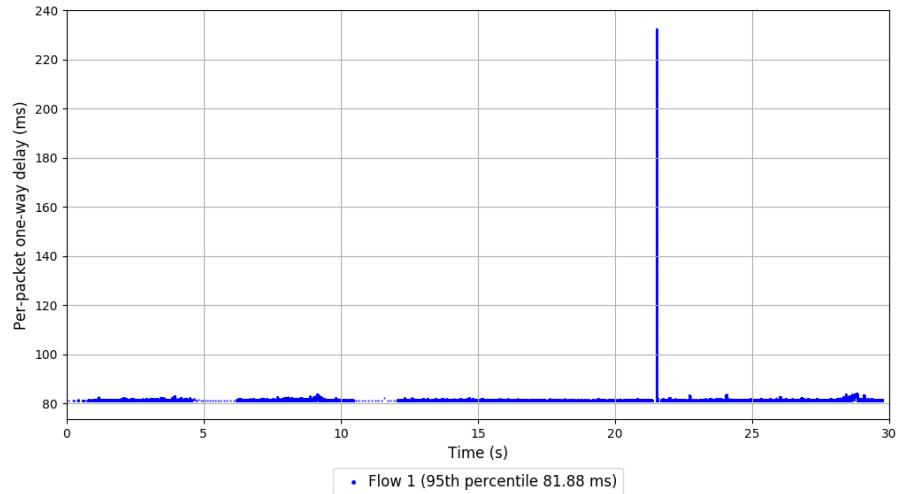
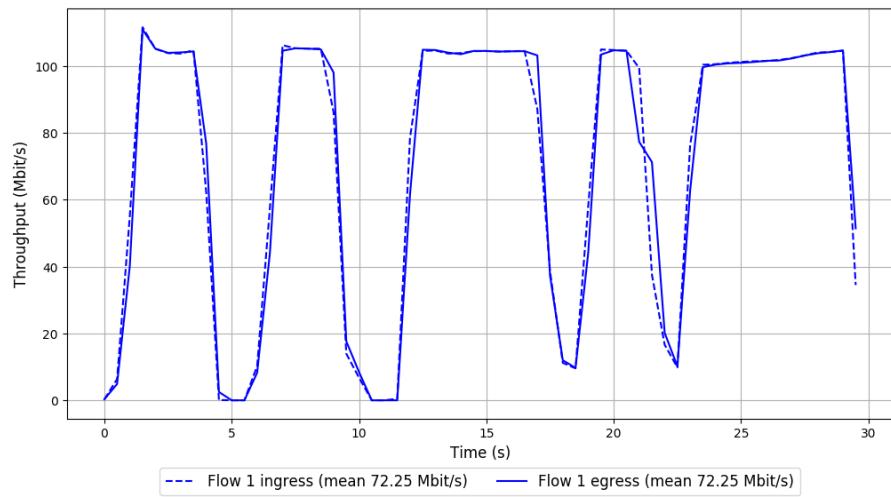


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-12-05 13:15:17
End at: 2017-12-05 13:15:47
Local clock offset: -0.321 ms
Remote clock offset: -6.894 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.25 Mbit/s
95th percentile per-packet one-way delay: 81.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.25 Mbit/s
95th percentile per-packet one-way delay: 81.881 ms
Loss rate: 0.00%
```

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

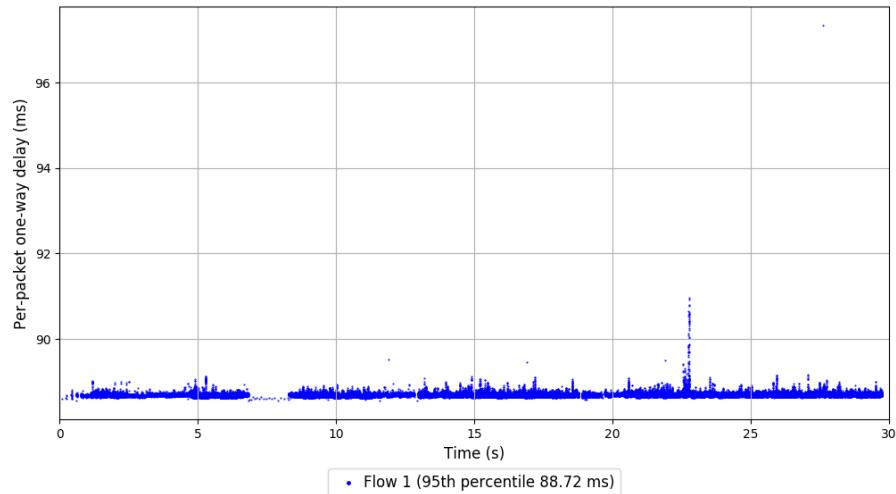
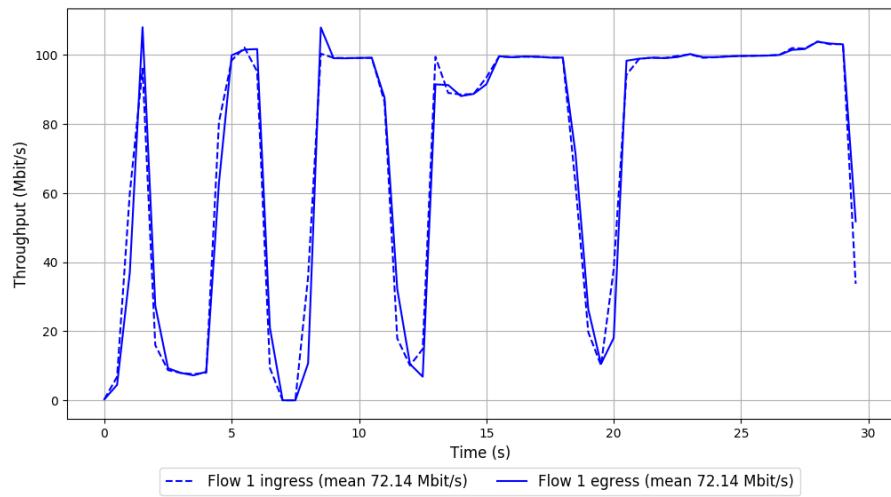


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-12-05 13:33:21
End at: 2017-12-05 13:38:51
Local clock offset: -0.439 ms
Remote clock offset: -2.126 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 88.715 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 88.715 ms
Loss rate: 0.01%
```

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

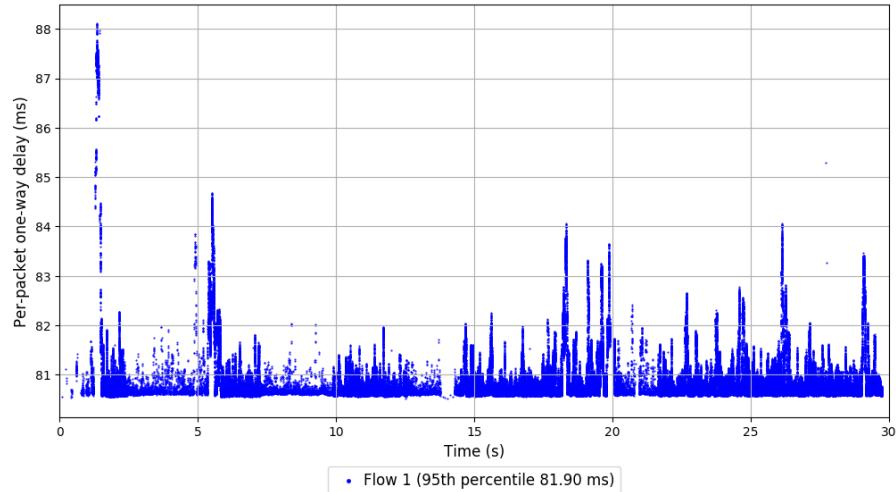
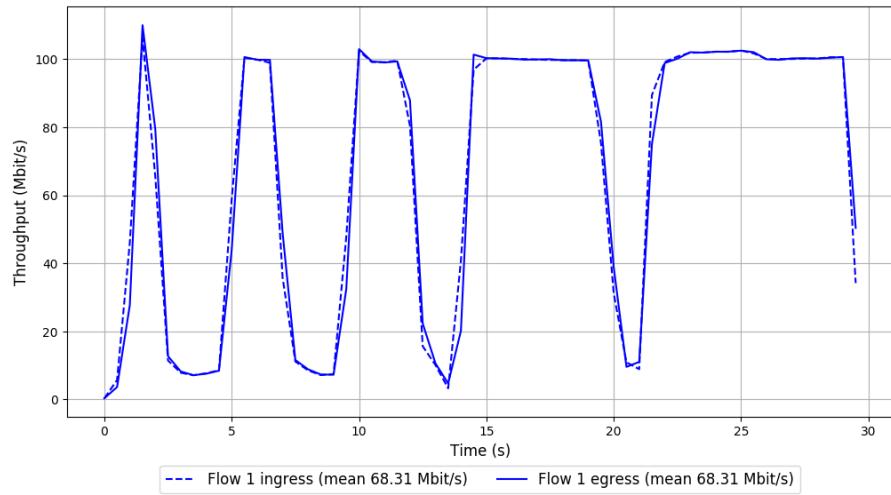


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-12-05 13:51:22
End at: 2017-12-05 13:51:52
Local clock offset: -0.59 ms
Remote clock offset: -9.46 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 81.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 81.897 ms
Loss rate: 0.00%
```

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



Run 5: Statistics of QUIC Cubic

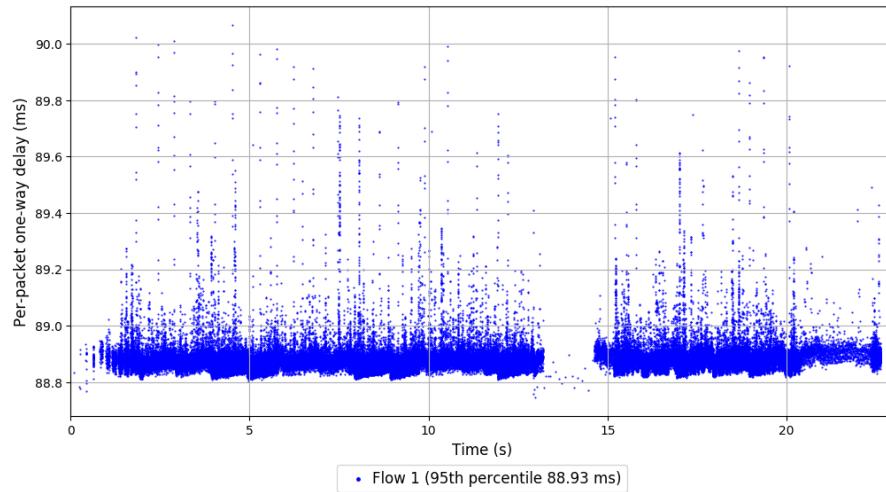
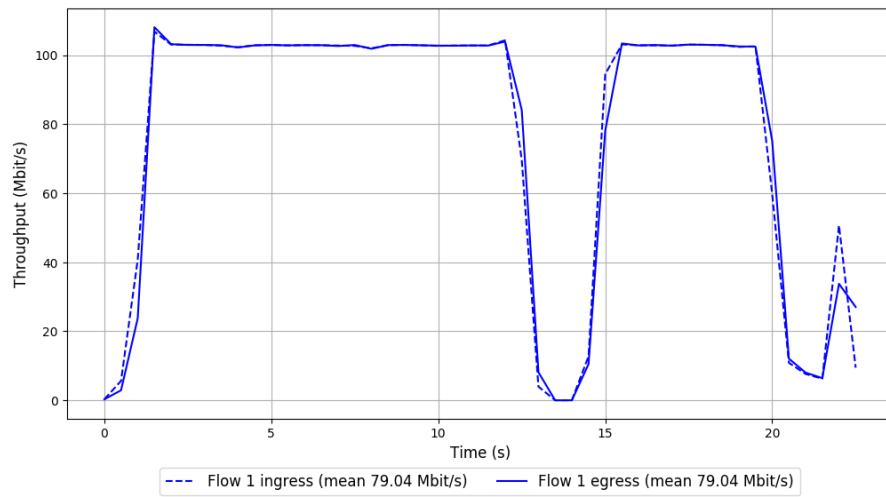
Start at: 2017-12-05 14:09:16

End at: 2017-12-05 14:09:46

Local clock offset: -0.699 ms

Remote clock offset: -3.917 ms

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

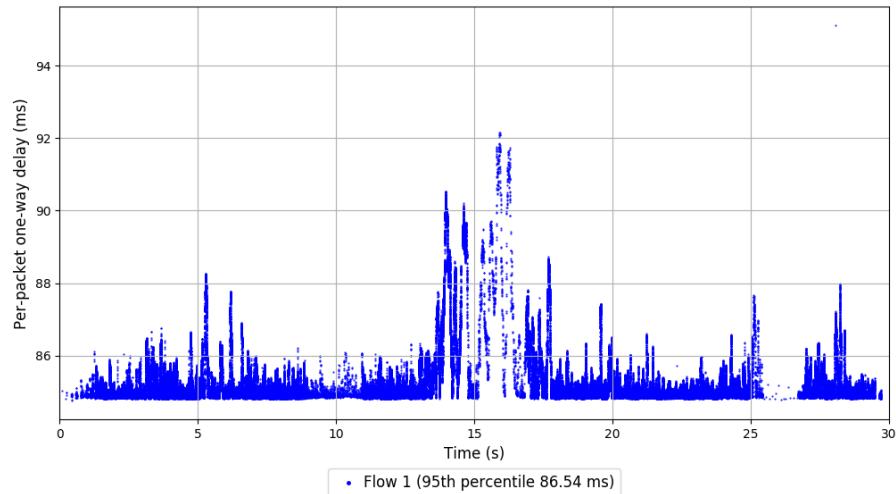
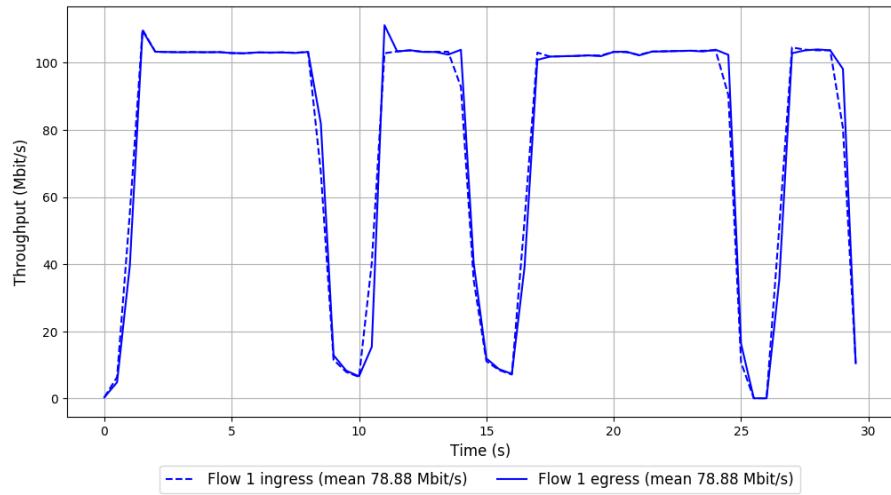


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-12-05 14:27:10
End at: 2017-12-05 14:27:40
Local clock offset: -0.652 ms
Remote clock offset: -6.223 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 86.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 86.542 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

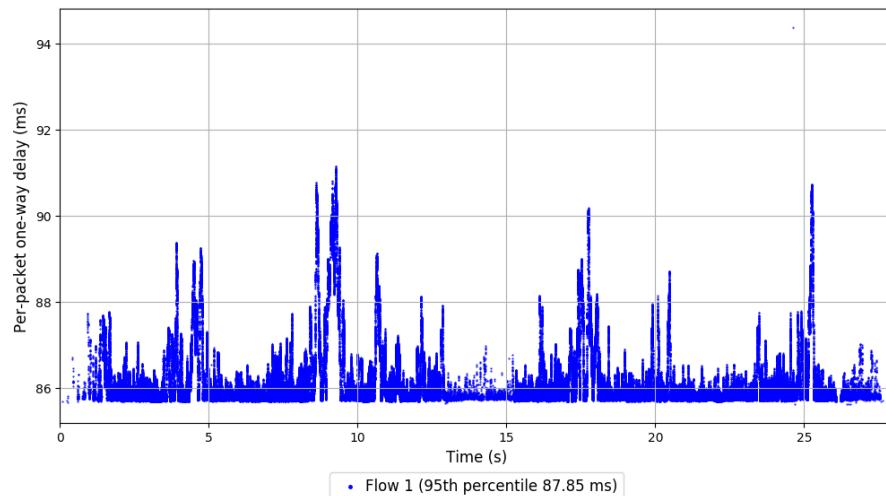
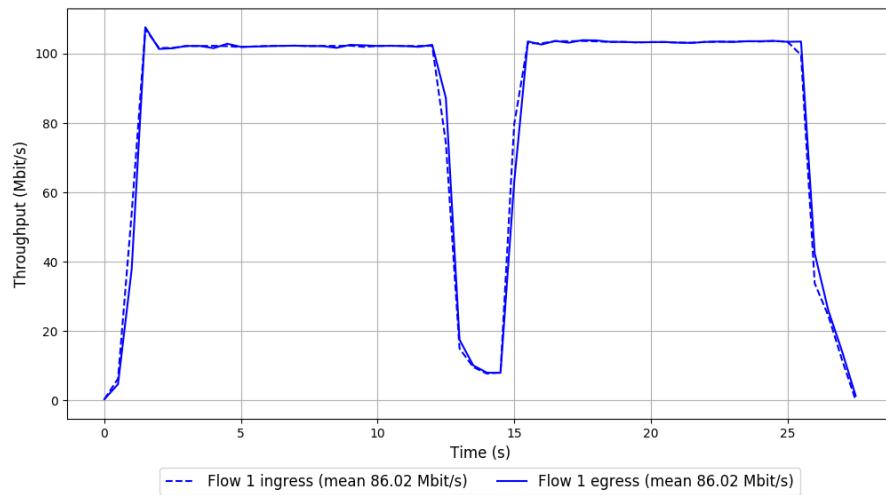


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-12-05 14:44:57
End at: 2017-12-05 14:45:27
Local clock offset: -0.512 ms
Remote clock offset: -5.591 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 87.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 87.846 ms
Loss rate: 0.00%
```

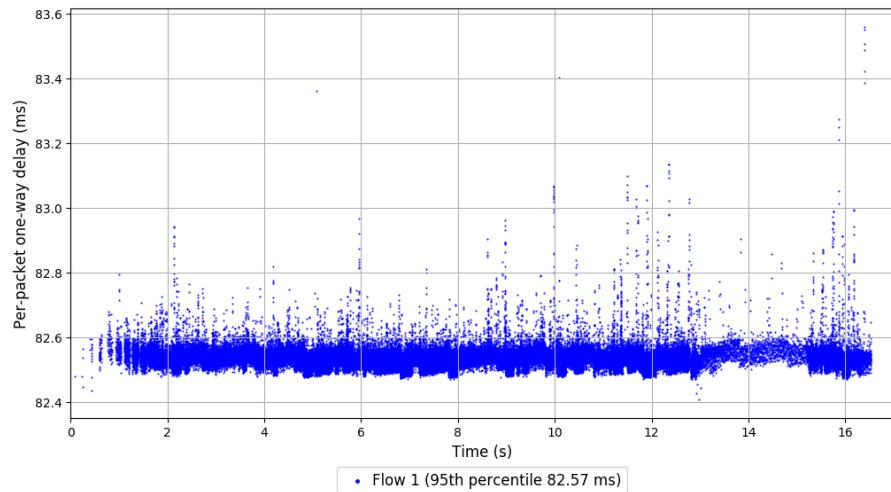
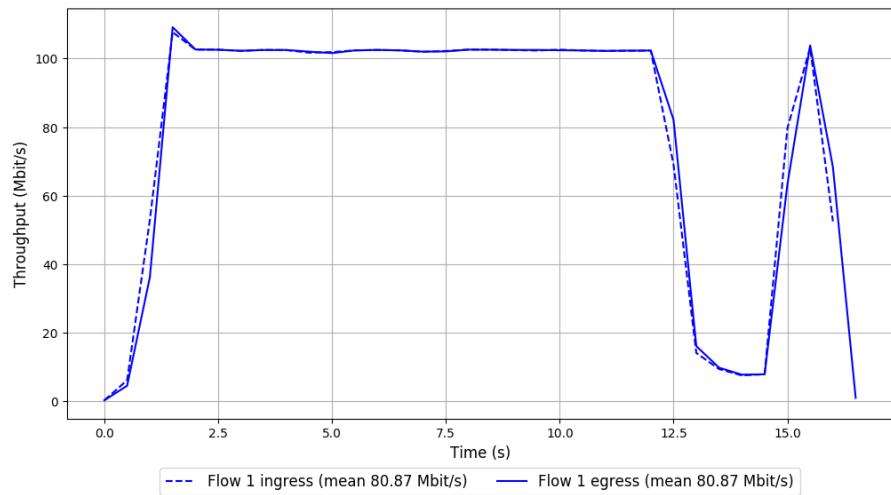
## Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-12-05 15:02:43  
End at: 2017-12-05 15:03:13  
Local clock offset: -0.395 ms  
Remote clock offset: -10.027 ms

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



Run 9: Statistics of QUIC Cubic

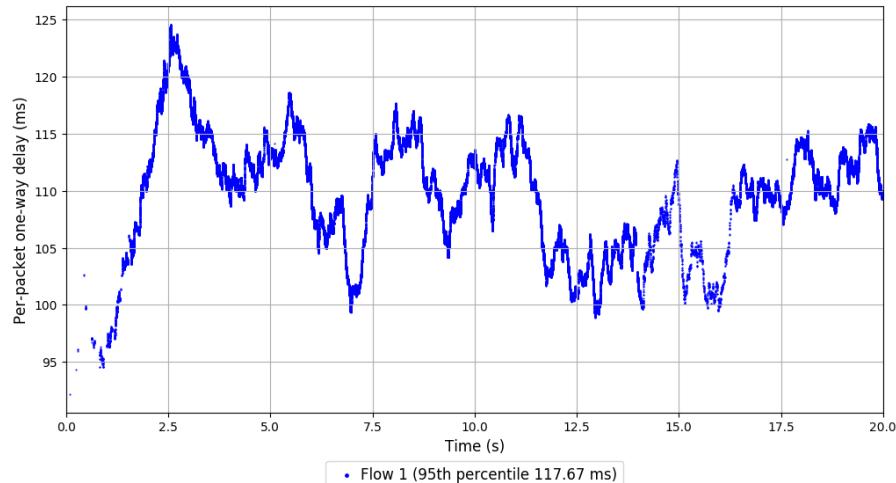
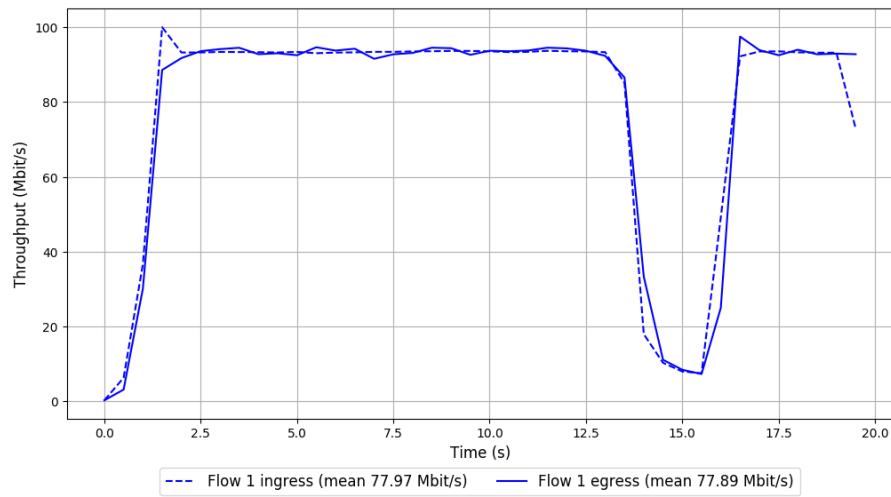
Start at: 2017-12-05 15:20:21

End at: 2017-12-05 15:20:51

Local clock offset: -0.315 ms

Remote clock offset: -9.239 ms

Run 9: Report of QUIC Cubic — Data Link

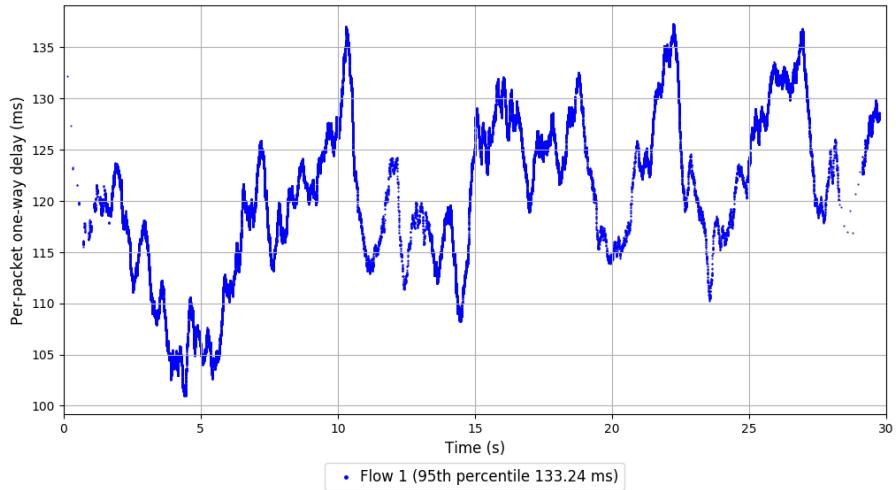
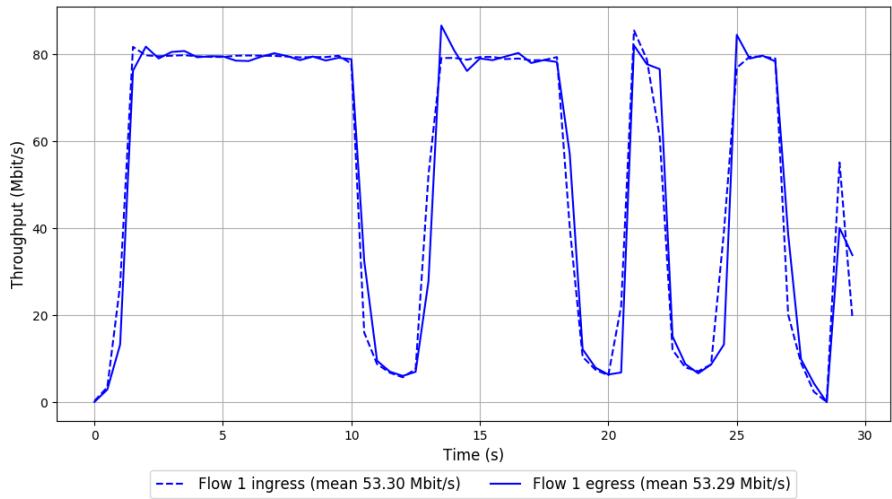


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-12-05 15:38:19
End at: 2017-12-05 15:38:49
Local clock offset: -0.257 ms
Remote clock offset: -3.507 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 0.03%
```

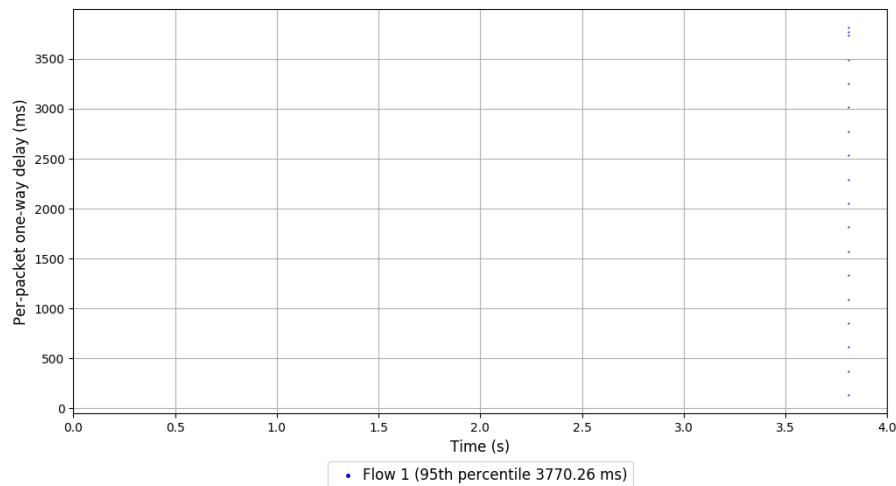
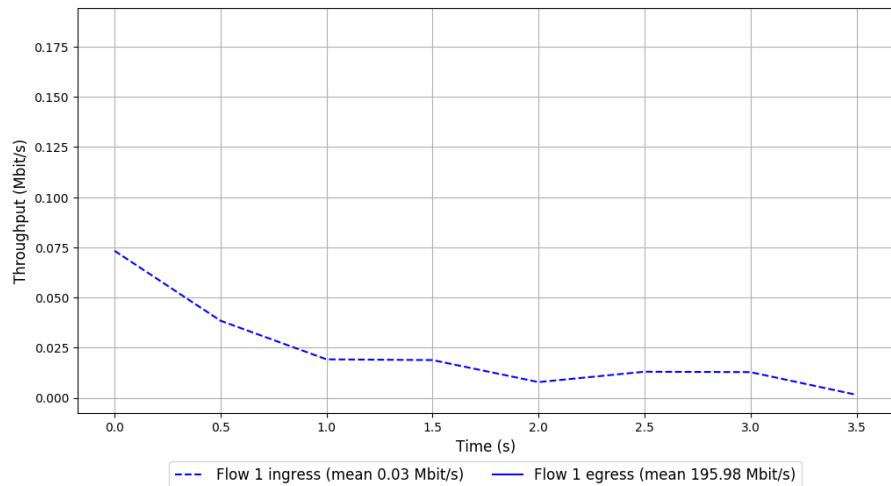
### Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2017-12-05 13:03:22  
End at: 2017-12-05 13:03:52  
Local clock offset: -0.221 ms  
Remote clock offset: -6.759 ms

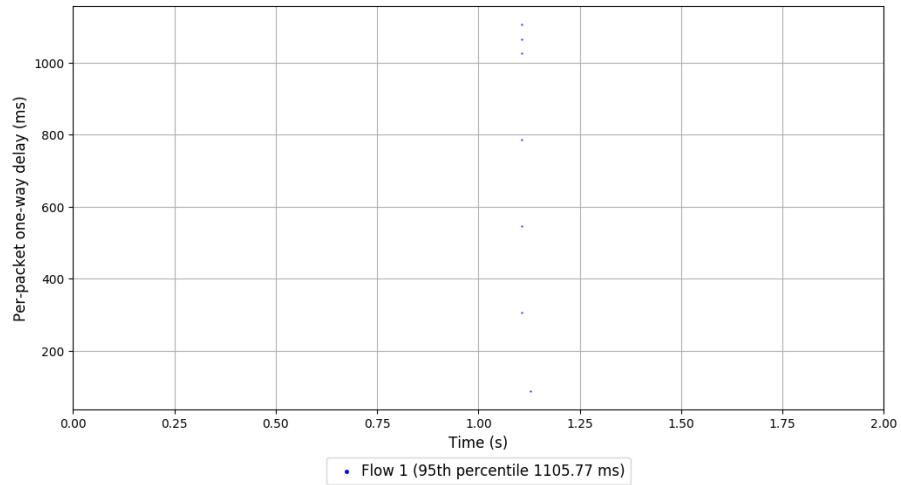
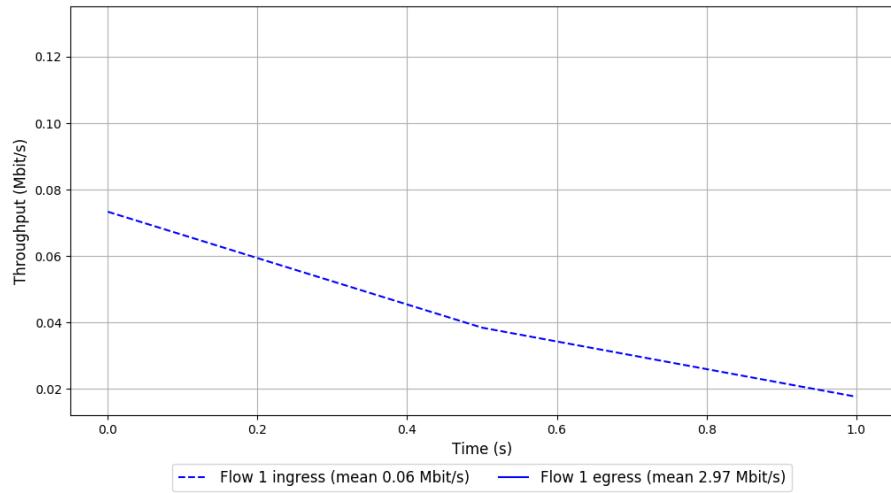
## Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-12-05 13:21:37  
End at: 2017-12-05 13:22:07  
Local clock offset: -0.443 ms  
Remote clock offset: -2.718 ms

Run 2: Report of SCReAM — Data Link

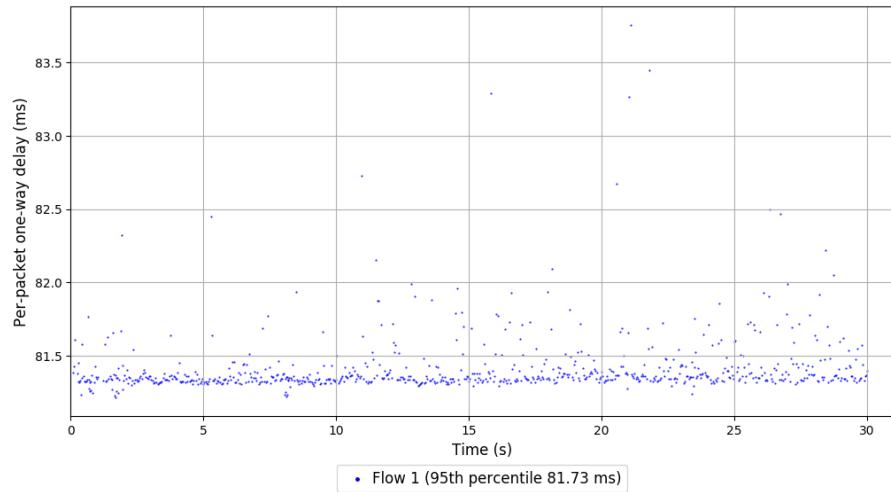
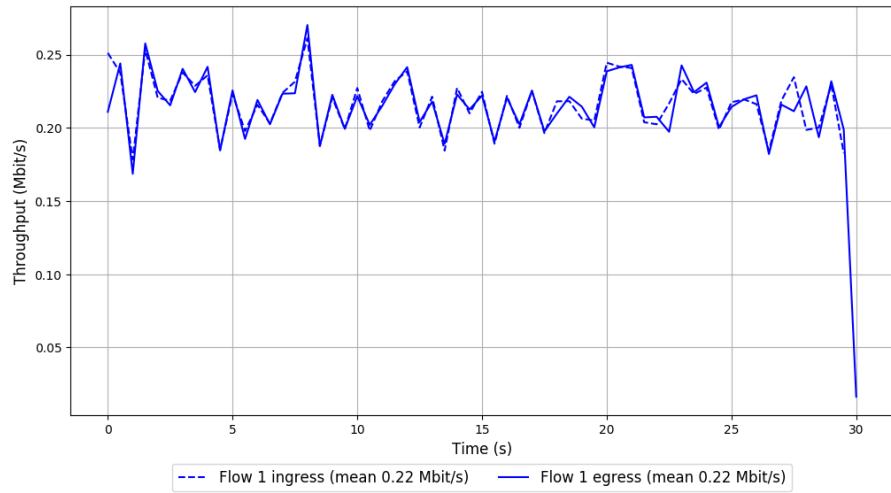


Run 3: Statistics of SCReAM

```
Start at: 2017-12-05 13:39:40
End at: 2017-12-05 13:40:10
Local clock offset: -0.471 ms
Remote clock offset: -8.105 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.731 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

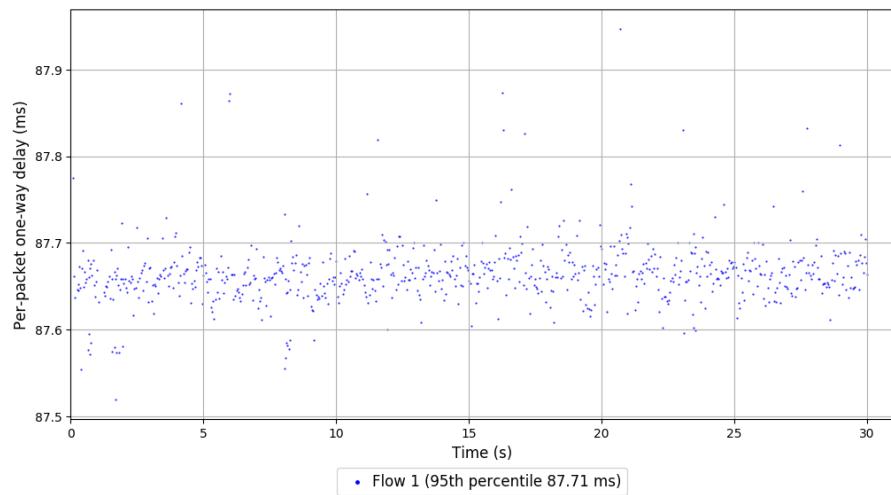
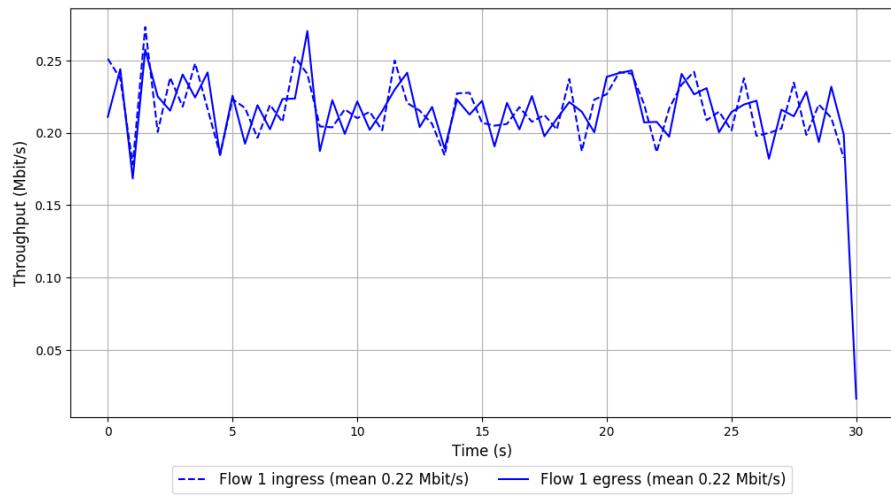


Run 4: Statistics of SCReAM

```
Start at: 2017-12-05 13:57:36
End at: 2017-12-05 13:58:06
Local clock offset: -0.686 ms
Remote clock offset: -4.075 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.710 ms
Loss rate: 0.00%
```

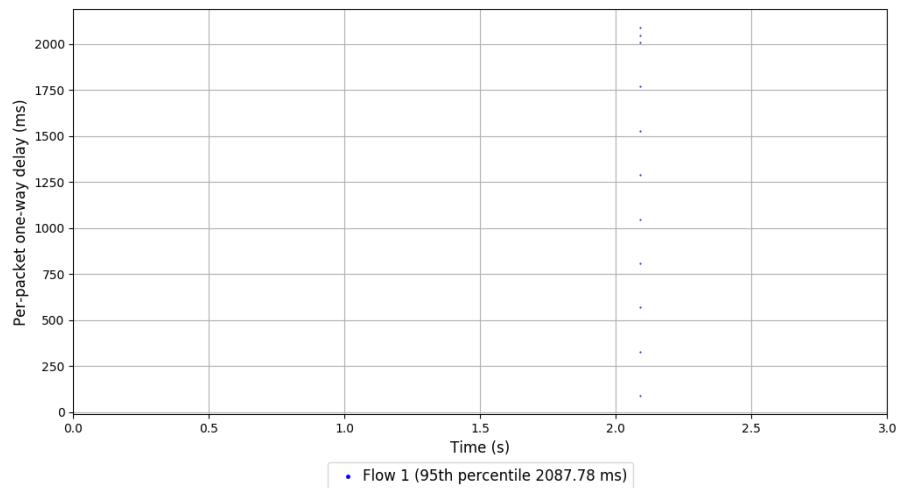
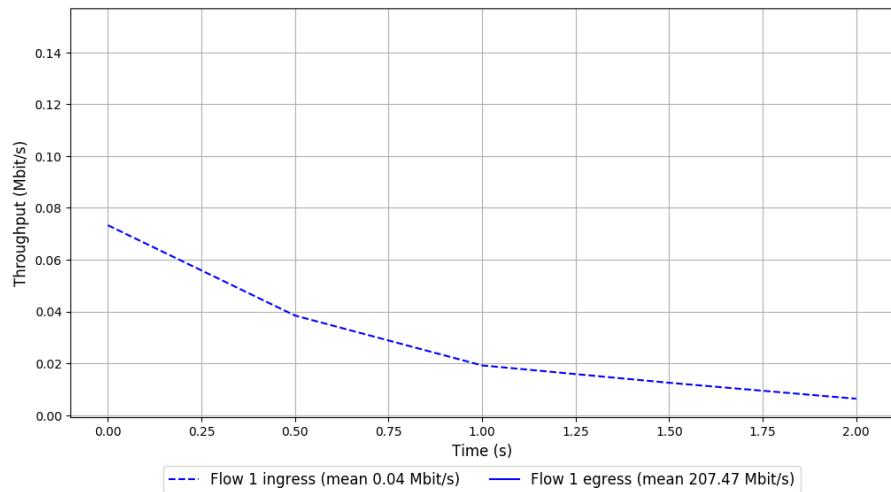
Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-12-05 14:15:27  
End at: 2017-12-05 14:15:57  
Local clock offset: -0.622 ms  
Remote clock offset: -5.487 ms

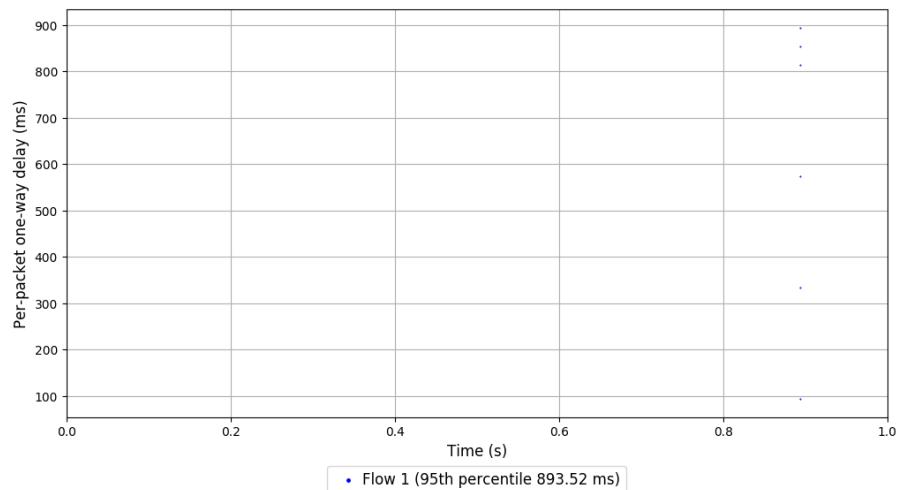
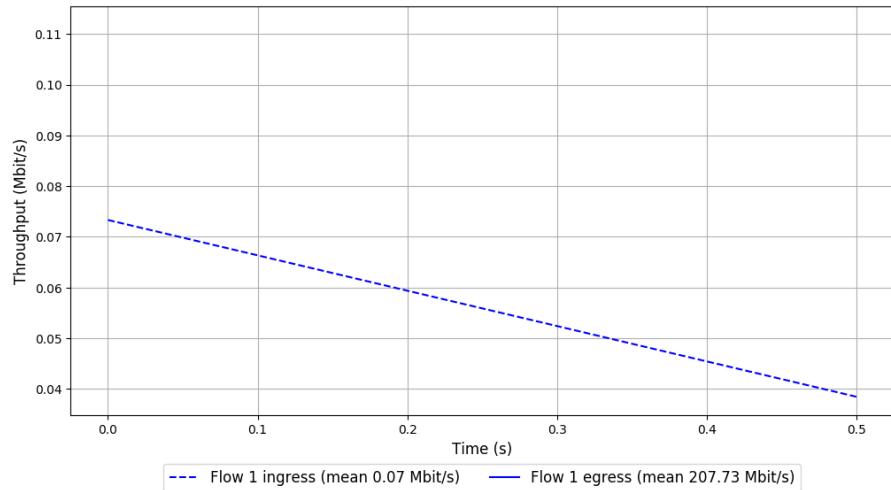
Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-12-05 14:33:26  
End at: 2017-12-05 14:33:56  
Local clock offset: -0.598 ms  
Remote clock offset: -5.103 ms

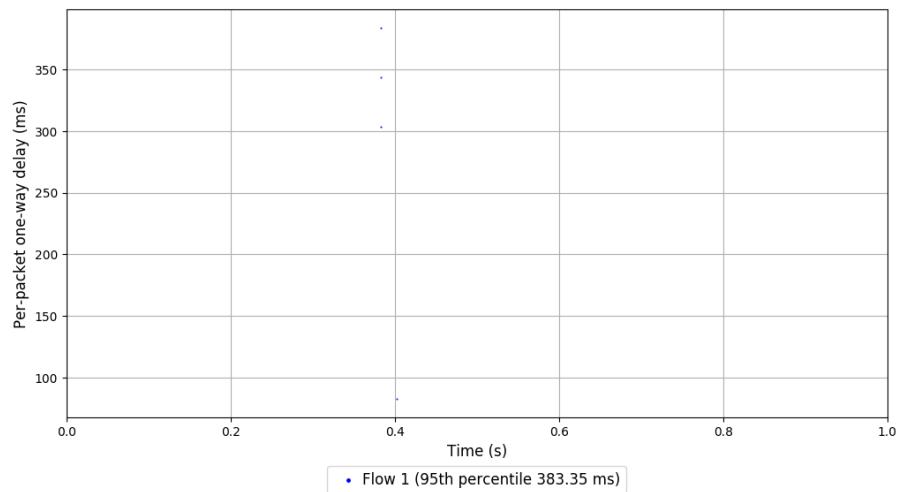
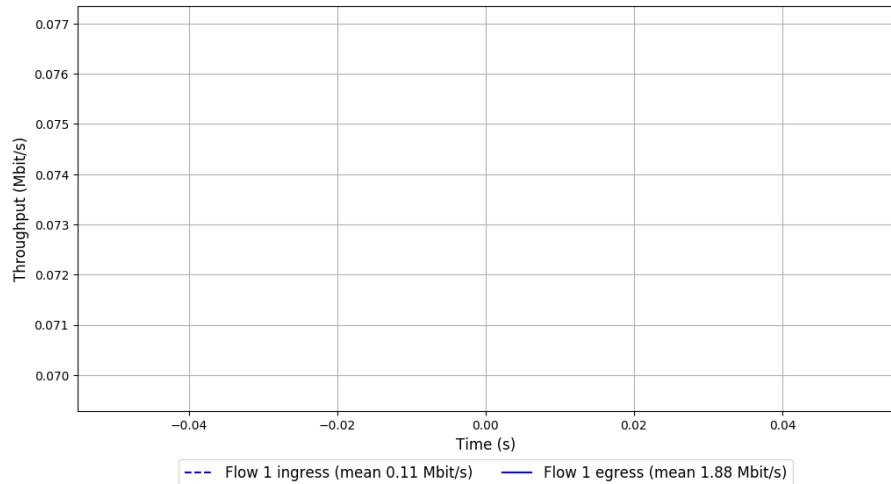
## Run 6: Report of SCReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-12-05 14:51:13  
End at: 2017-12-05 14:51:43  
Local clock offset: -0.45 ms  
Remote clock offset: -10.117 ms

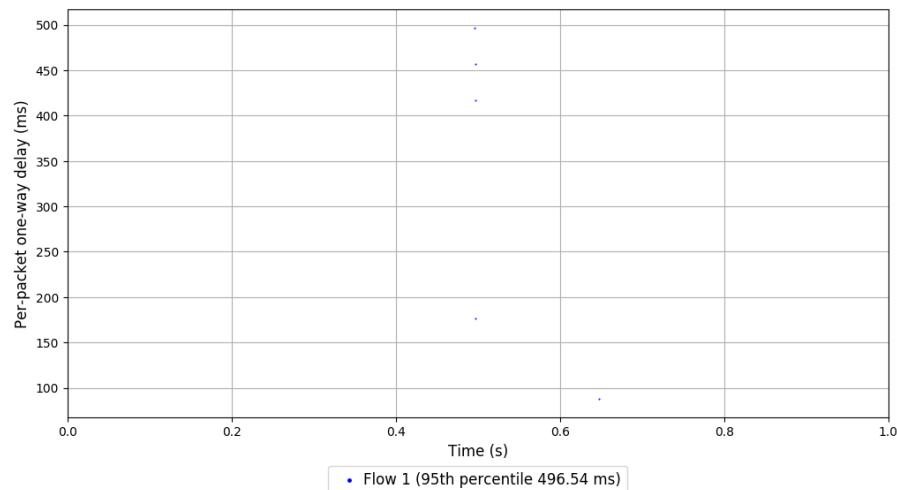
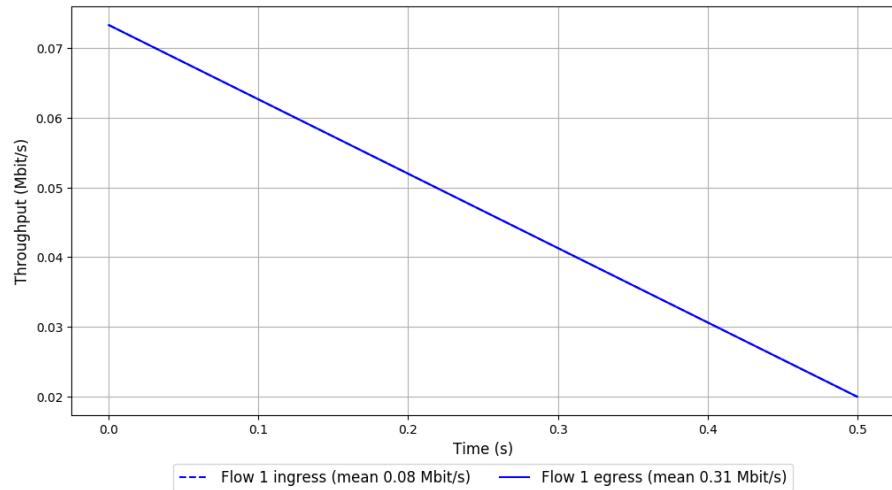
### Run 7: Report of SCReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-12-05 15:08:48  
End at: 2017-12-05 15:09:18  
Local clock offset: -0.384 ms  
Remote clock offset: -5.187 ms

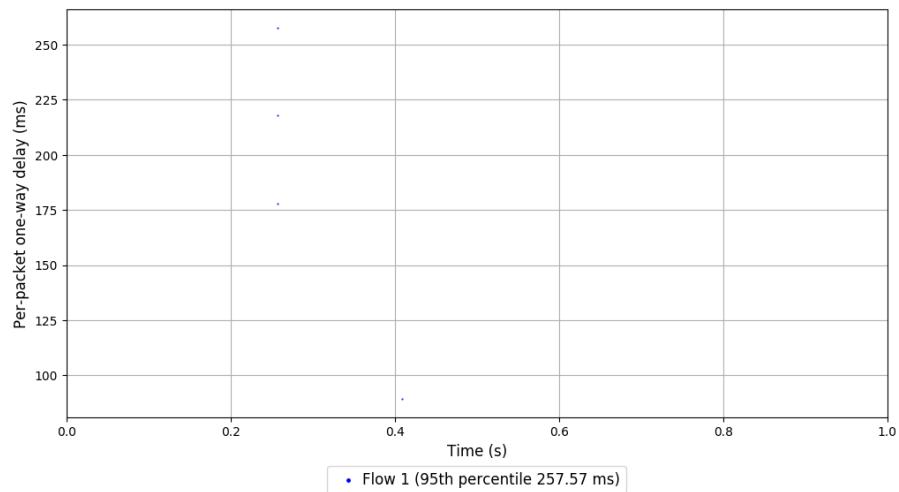
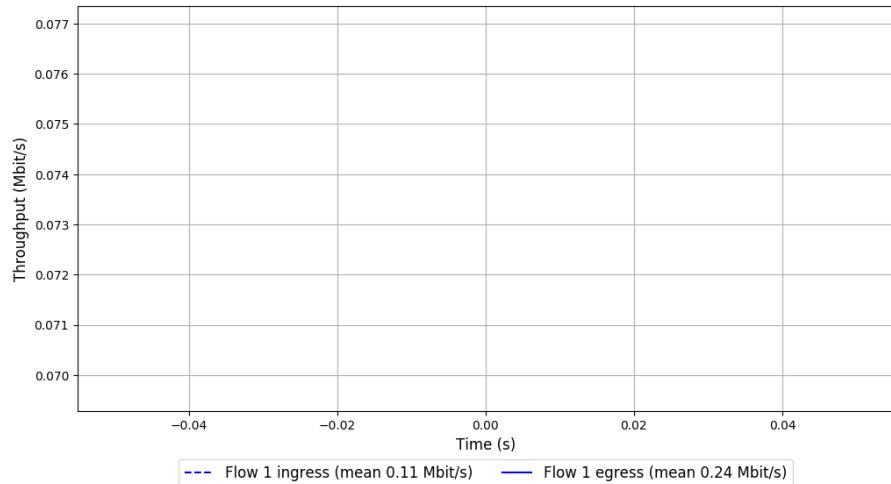
Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-12-05 15:26:37  
End at: 2017-12-05 15:27:07  
Local clock offset: -0.292 ms  
Remote clock offset: -3.572 ms

Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SCReAM

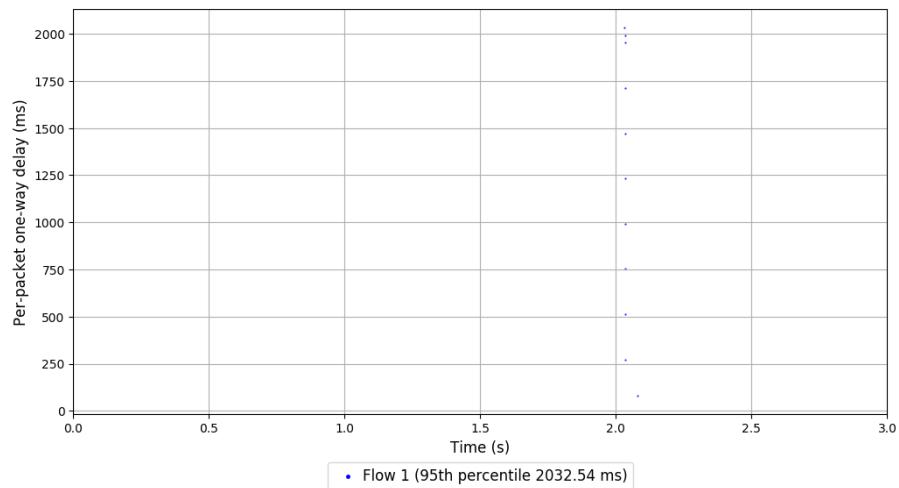
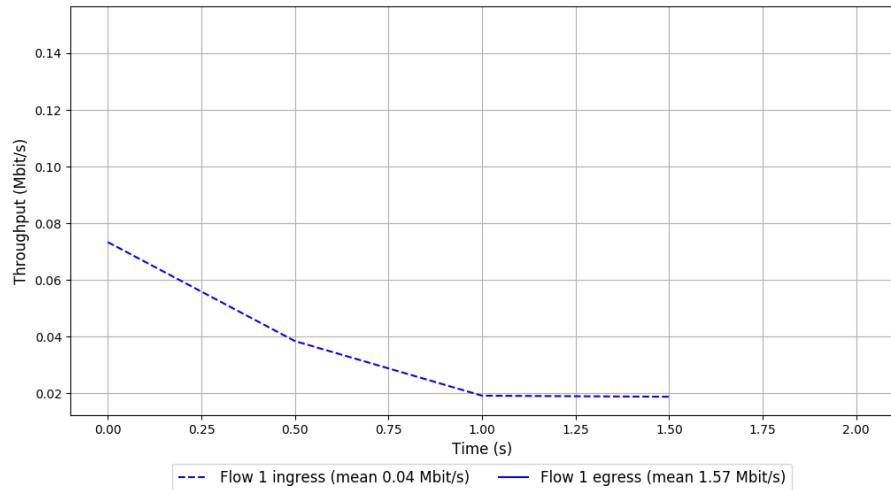
Start at: 2017-12-05 15:44:34

End at: 2017-12-05 15:45:05

Local clock offset: -0.237 ms

Remote clock offset: -9.415 ms

## Run 10: Report of SCReAM — Data Link

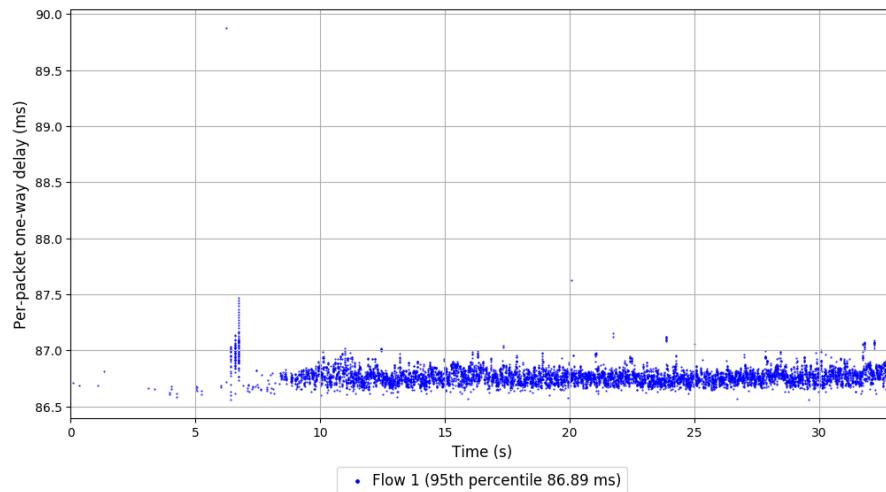
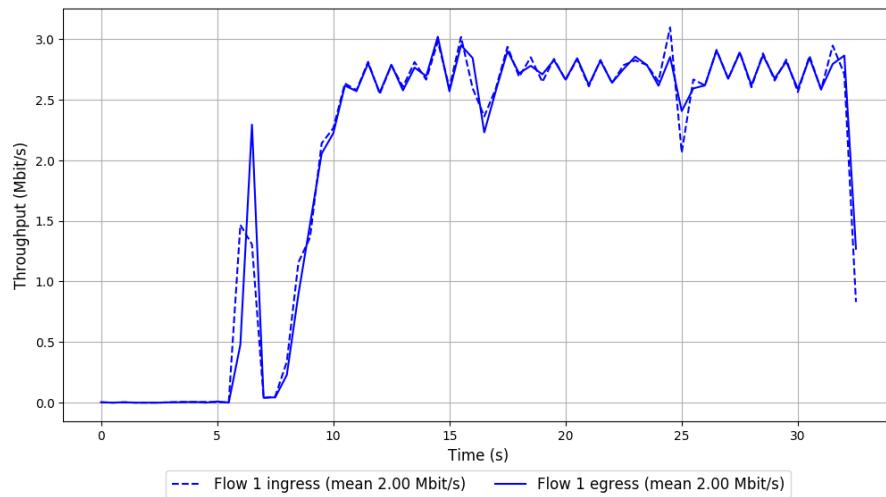


Run 1: Statistics of WebRTC media

```
Start at: 2017-12-05 12:48:04
End at: 2017-12-05 12:48:34
Local clock offset: 0.022 ms
Remote clock offset: -2.056 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.892 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

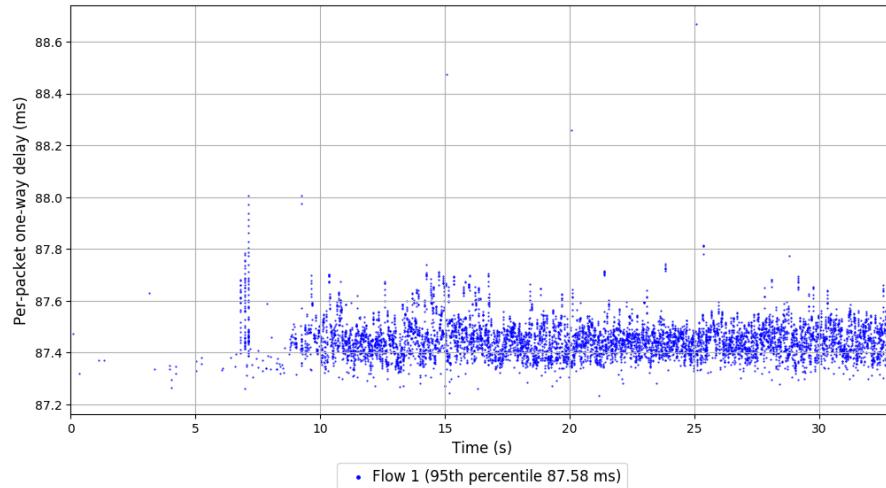
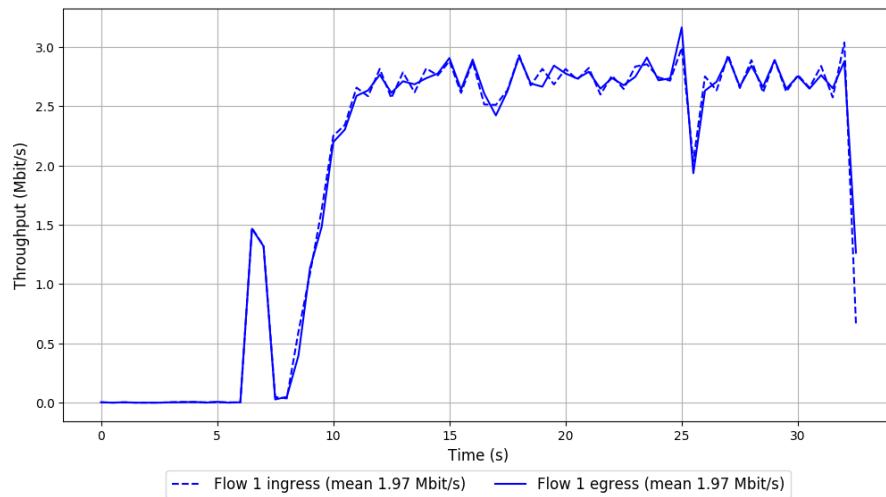


Run 2: Statistics of WebRTC media

```
Start at: 2017-12-05 13:06:01
End at: 2017-12-05 13:06:31
Local clock offset: -0.29 ms
Remote clock offset: -2.112 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 87.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 87.584 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

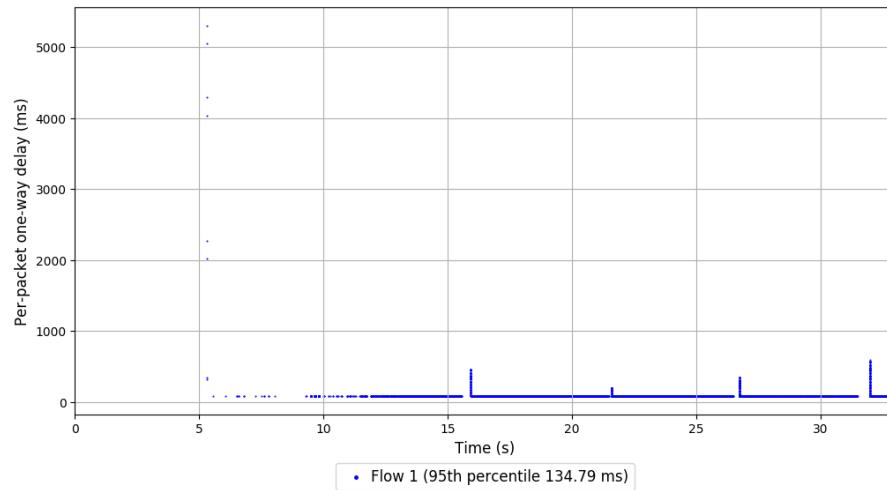
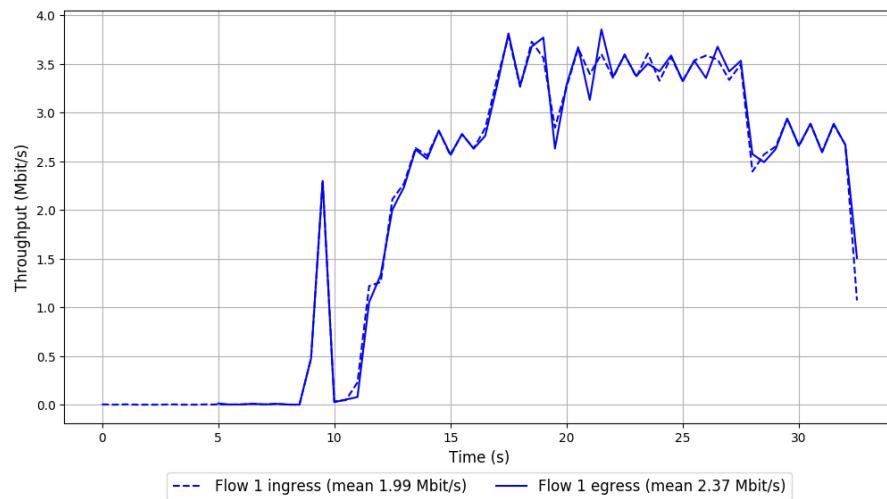


Run 3: Statistics of WebRTC media

```
Start at: 2017-12-05 13:24:06
End at: 2017-12-05 13:24:37
Local clock offset: -0.439 ms
Remote clock offset: -7.738 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 134.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 134.791 ms
Loss rate: 0.00%
```

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

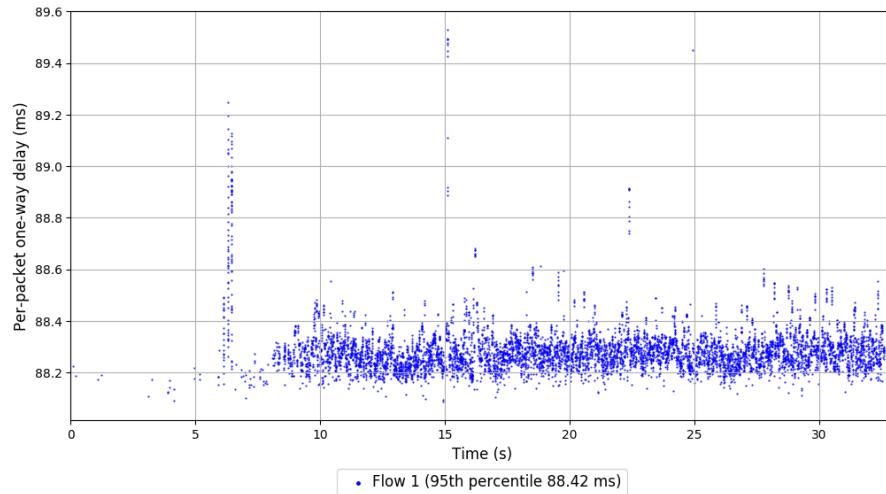
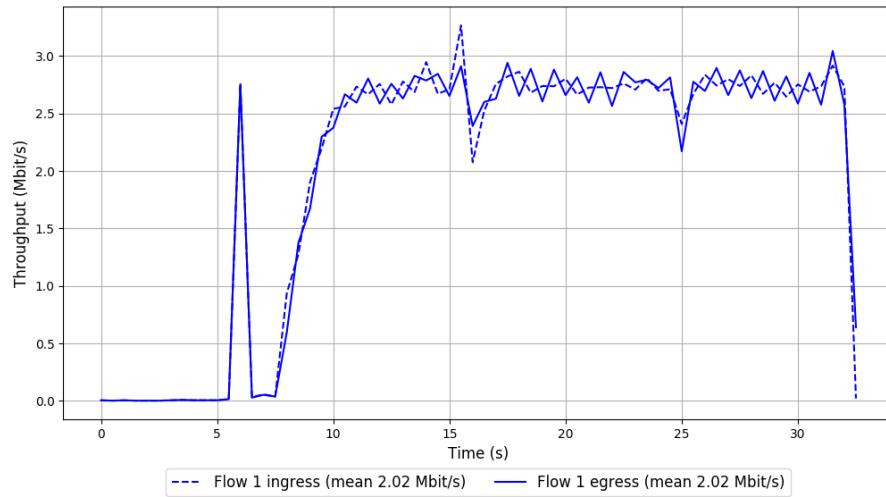


Run 4: Statistics of WebRTC media

```
Start at: 2017-12-05 13:42:11
End at: 2017-12-05 13:42:41
Local clock offset: -0.574 ms
Remote clock offset: -2.641 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 88.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 88.422 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

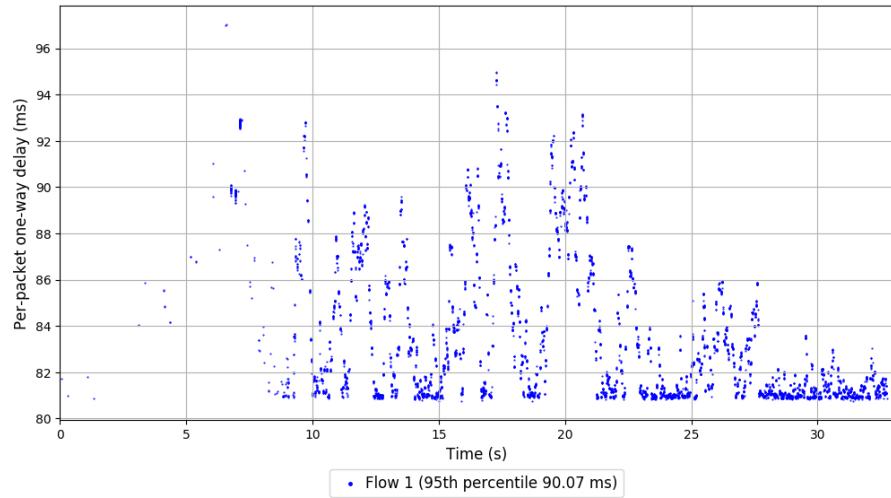
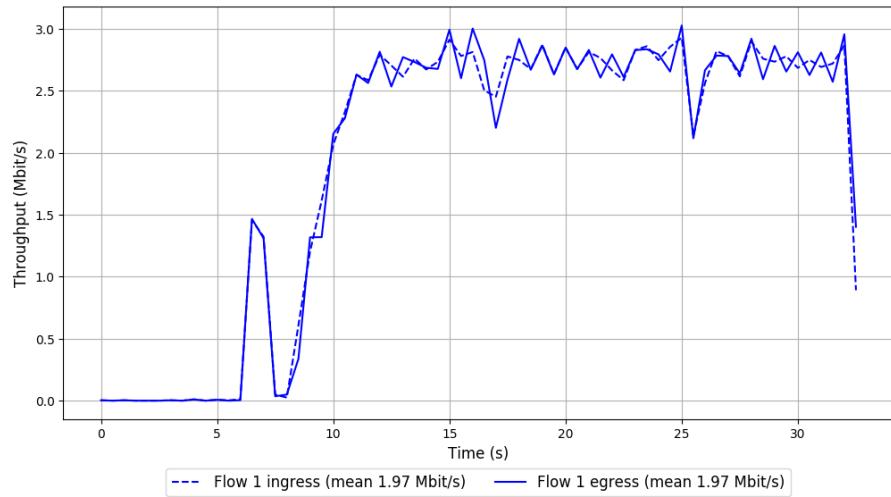


Run 5: Statistics of WebRTC media

```
Start at: 2017-12-05 14:00:17
End at: 2017-12-05 14:00:47
Local clock offset: -0.638 ms
Remote clock offset: -9.0 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 90.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 90.073 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

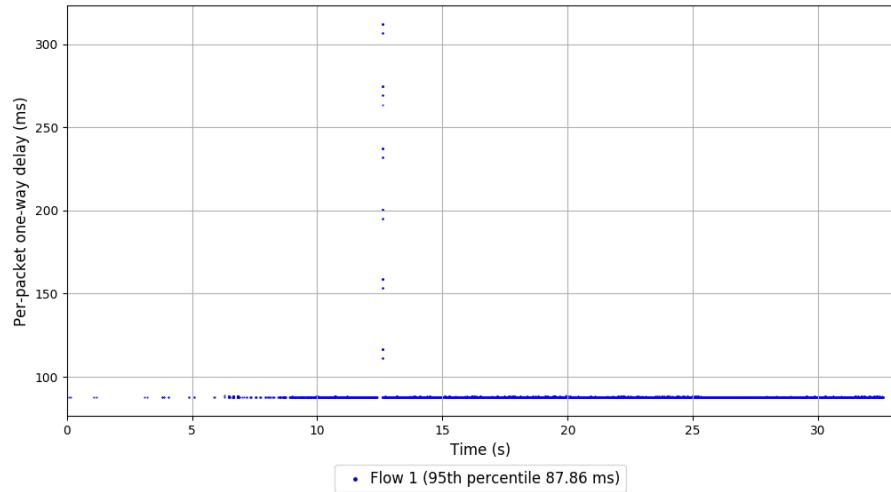
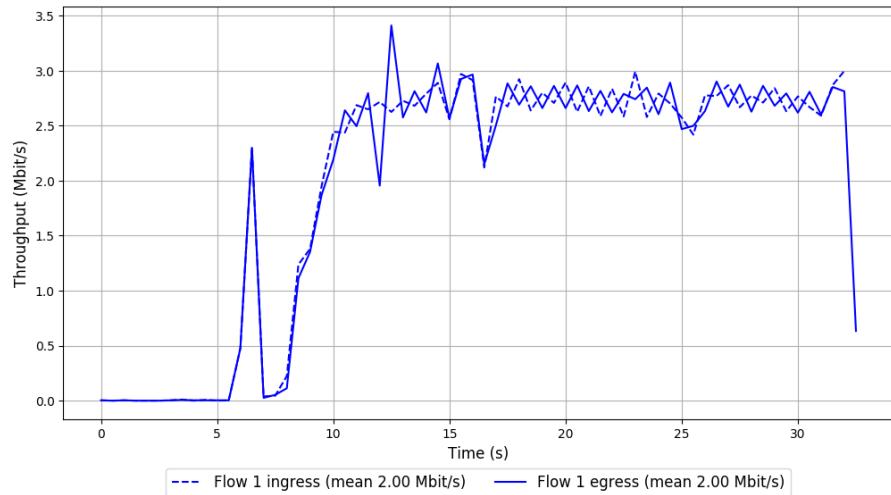


Run 6: Statistics of WebRTC media

```
Start at: 2017-12-05 14:18:04
End at: 2017-12-05 14:18:34
Local clock offset: -0.7 ms
Remote clock offset: -4.993 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 87.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 87.861 ms
Loss rate: 0.00%
```

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

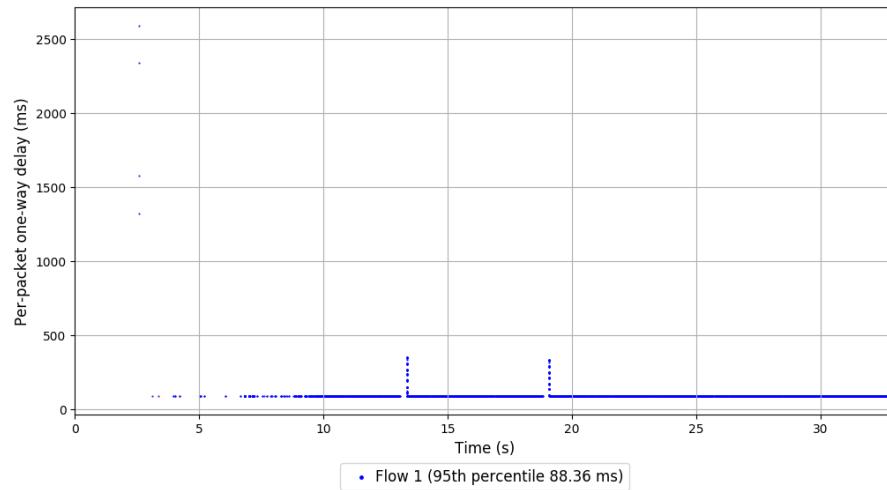
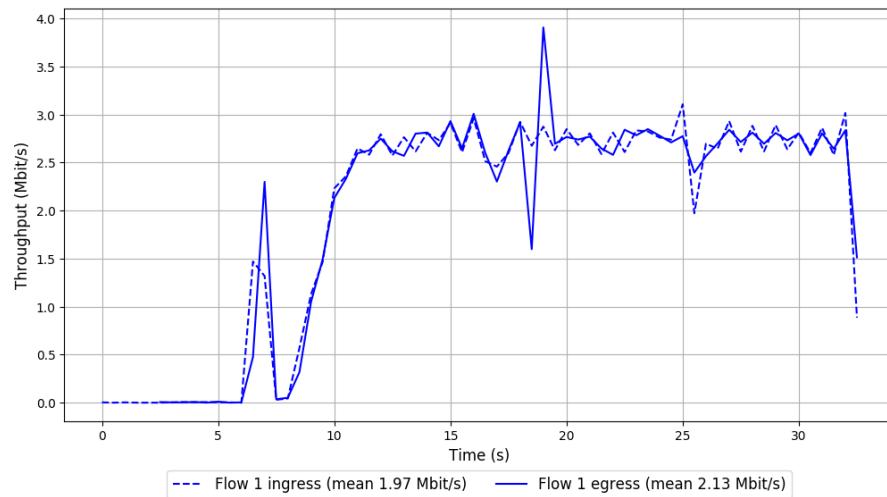


Run 7: Statistics of WebRTC media

```
Start at: 2017-12-05 14:35:58
End at: 2017-12-05 14:36:28
Local clock offset: -0.576 ms
Remote clock offset: -4.653 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 88.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 88.363 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

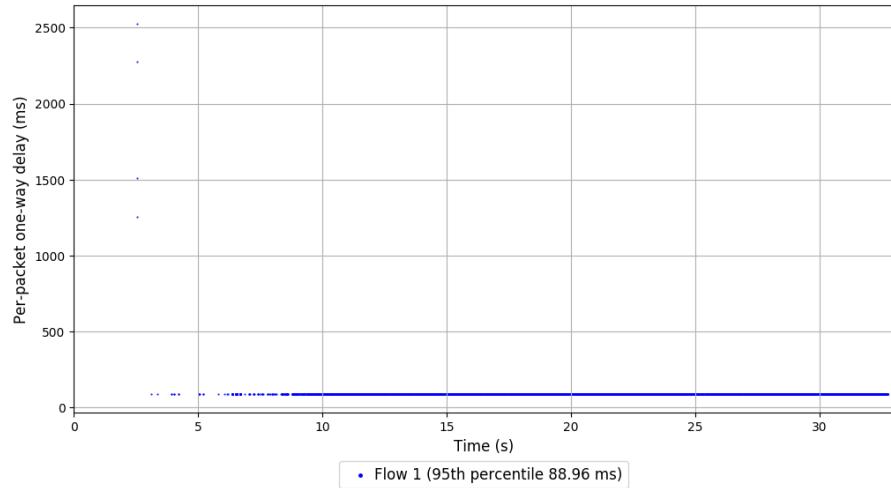
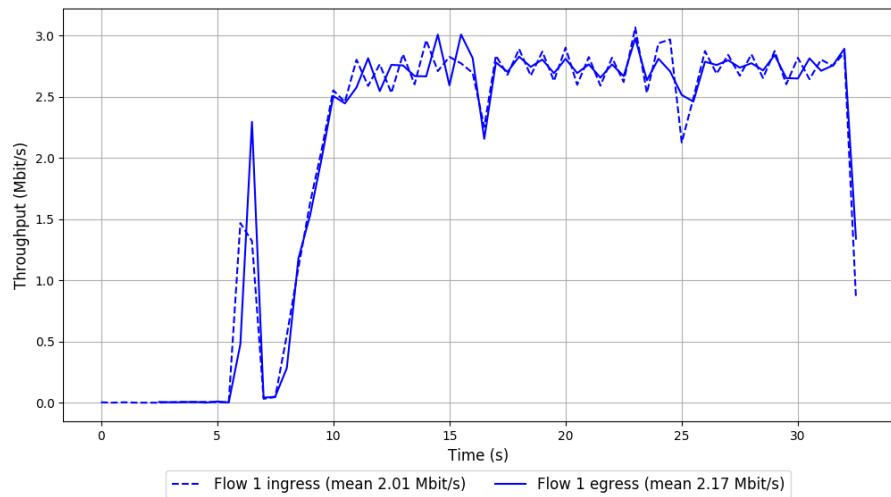


Run 8: Statistics of WebRTC media

```
Start at: 2017-12-05 14:53:45
End at: 2017-12-05 14:54:15
Local clock offset: -0.434 ms
Remote clock offset: -4.473 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 88.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 88.964 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

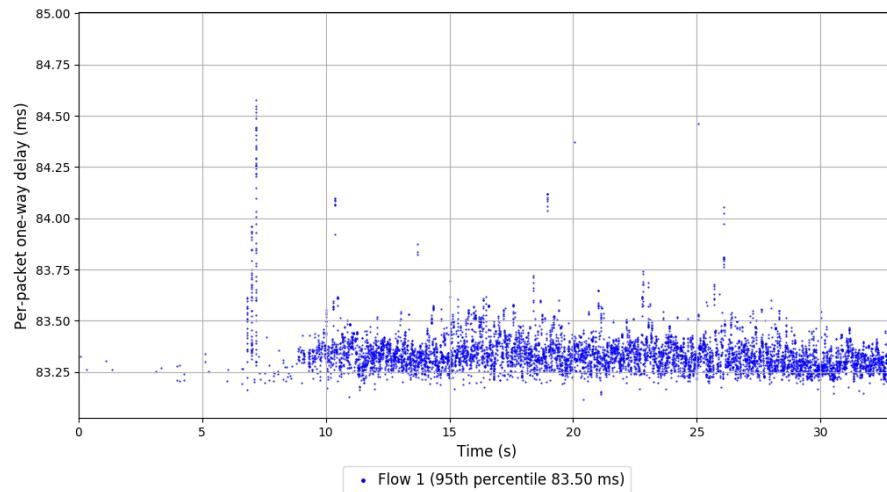
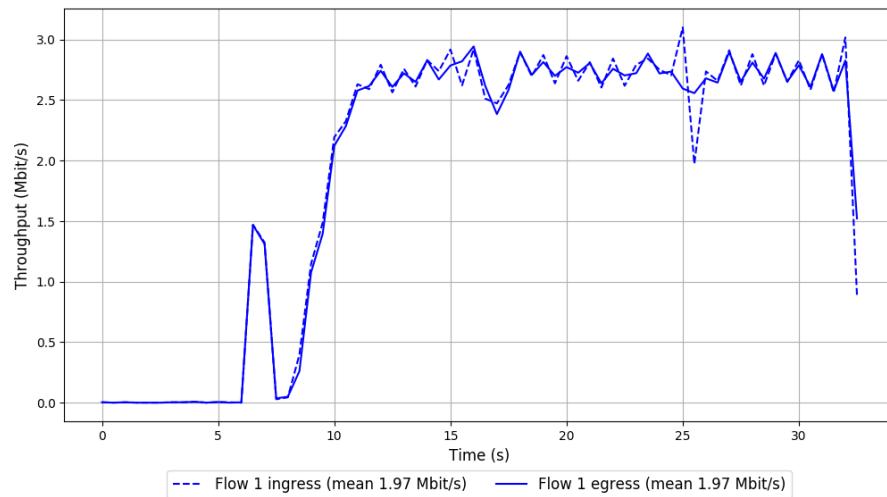


Run 9: Statistics of WebRTC media

```
Start at: 2017-12-05 15:11:28
End at: 2017-12-05 15:11:58
Local clock offset: -0.343 ms
Remote clock offset: -9.818 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 83.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 83.505 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

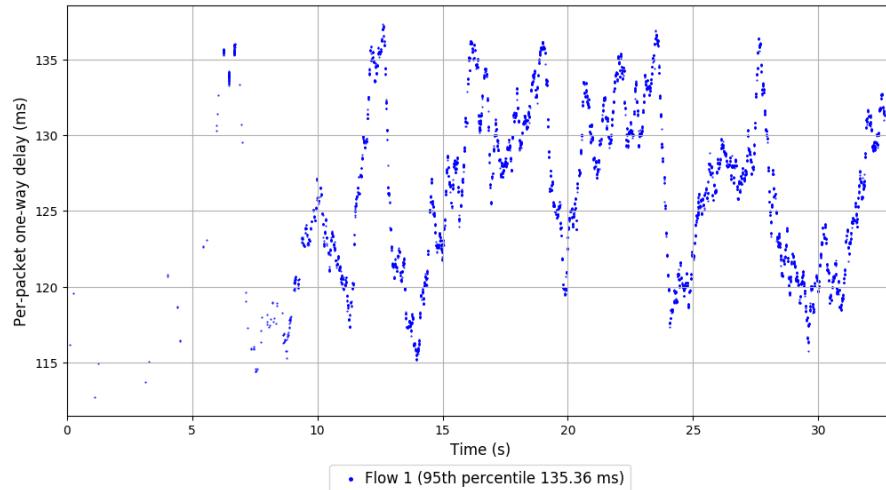
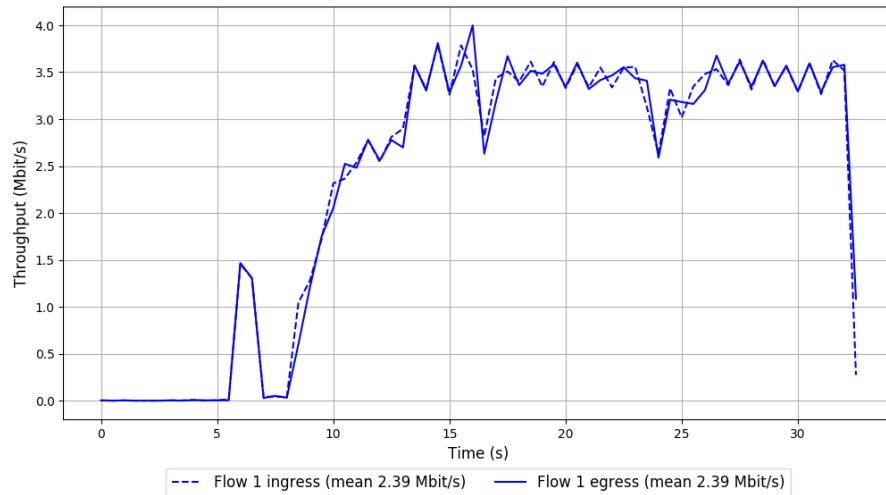


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-12-05 15:29:17
End at: 2017-12-05 15:29:47
Local clock offset: -0.312 ms
Remote clock offset: -3.986 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 135.358 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 135.358 ms
Loss rate: 0.06%
```

Run 10: Report of WebRTC media — Data Link

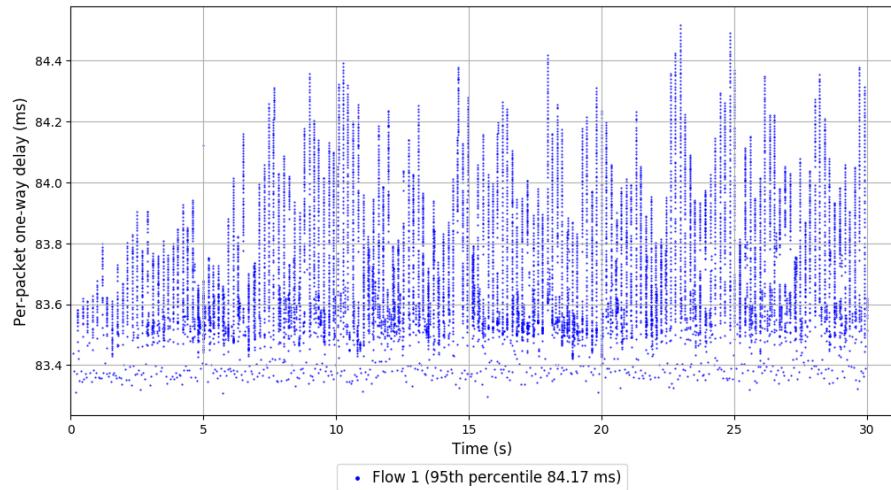
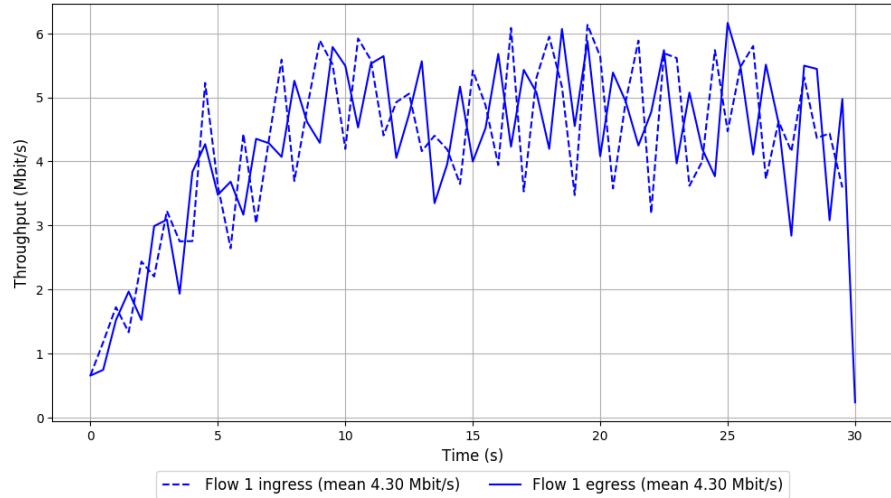


Run 1: Statistics of Sprout

```
Start at: 2017-12-05 12:54:44
End at: 2017-12-05 12:55:14
Local clock offset: -0.103 ms
Remote clock offset: -6.677 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 84.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 84.166 ms
Loss rate: 0.00%
```

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

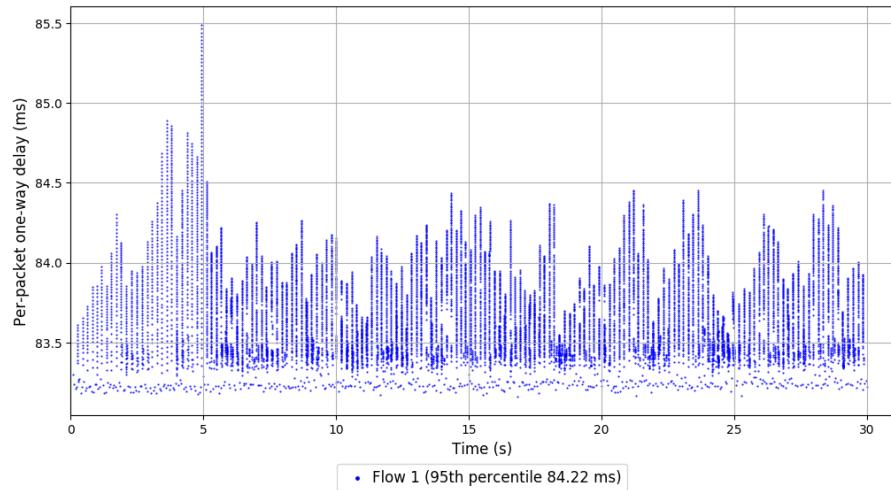
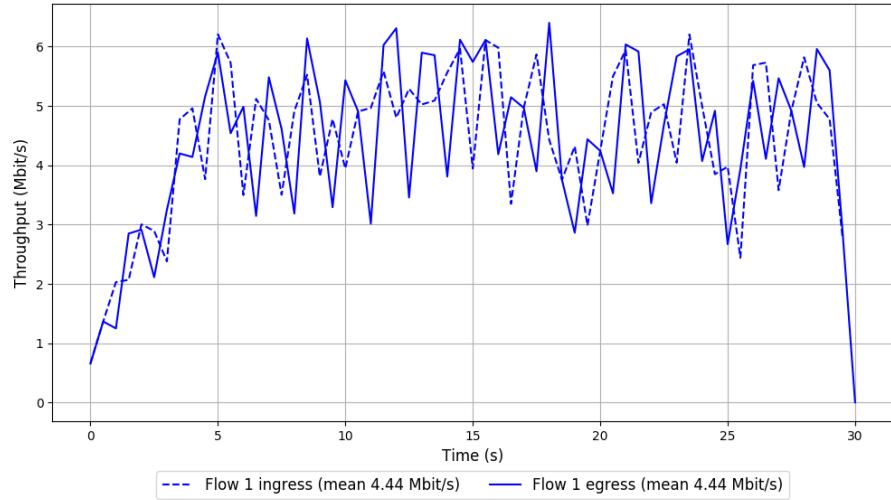


Run 2: Statistics of Sprout

```
Start at: 2017-12-05 13:12:50
End at: 2017-12-05 13:13:20
Local clock offset: -0.305 ms
Remote clock offset: -6.668 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 84.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 84.217 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

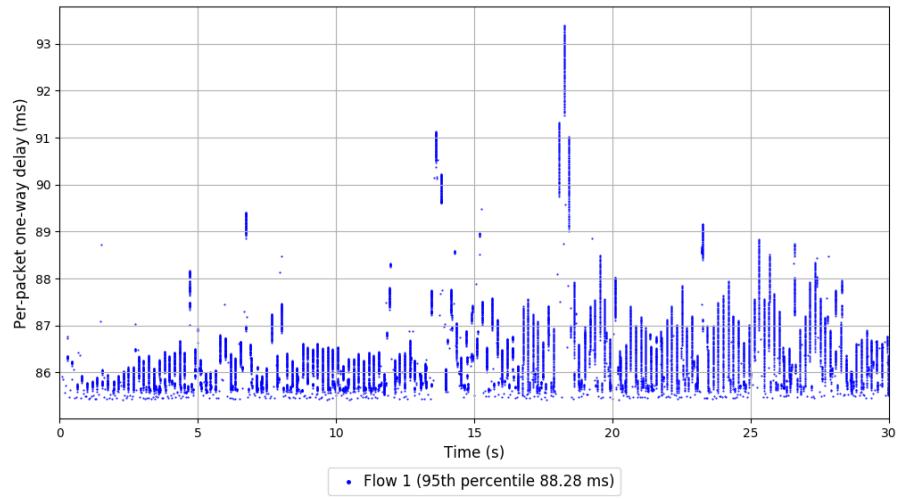
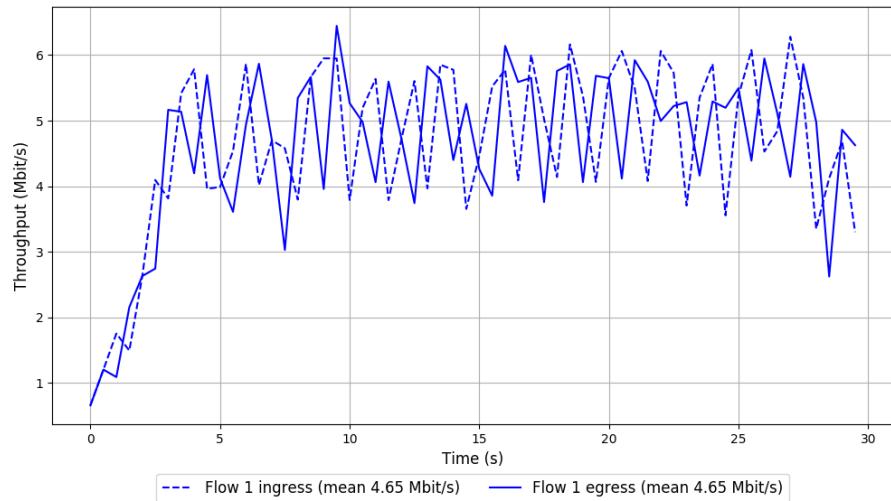


Run 3: Statistics of Sprout

```
Start at: 2017-12-05 13:31:02
End at: 2017-12-05 13:31:32
Local clock offset: -0.443 ms
Remote clock offset: -3.273 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 88.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 88.276 ms
Loss rate: 0.00%
```

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

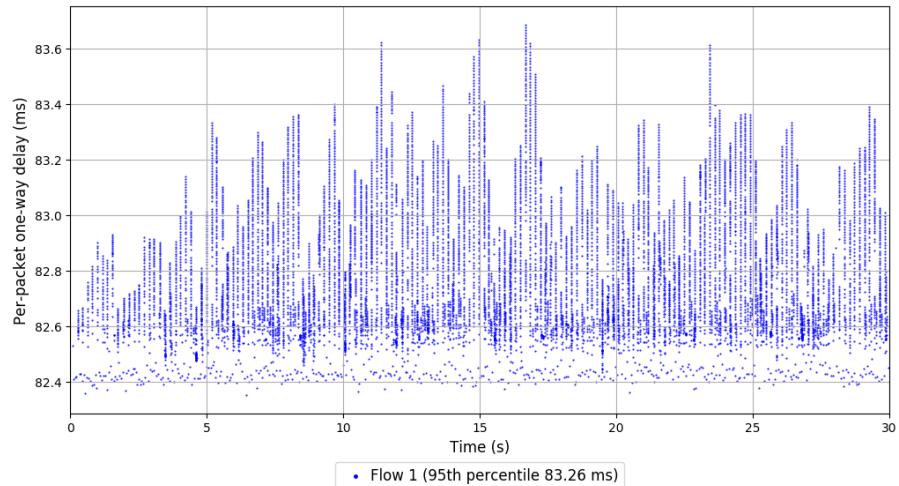
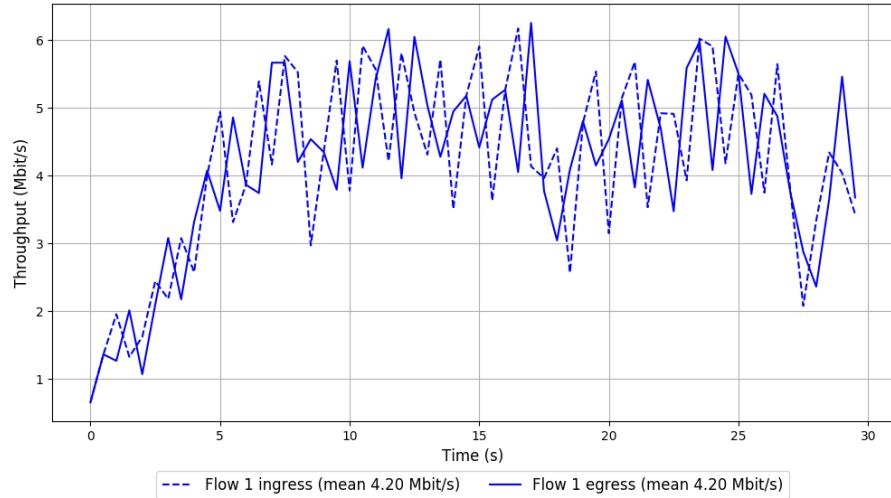


Run 4: Statistics of Sprout

```
Start at: 2017-12-05 13:48:56
End at: 2017-12-05 13:49:26
Local clock offset: -0.584 ms
Remote clock offset: -8.887 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 83.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 83.258 ms
Loss rate: 0.00%
```

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

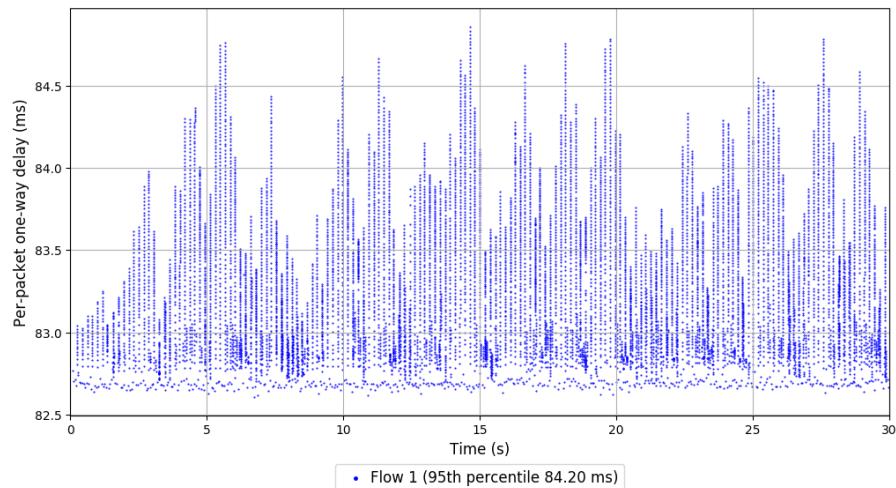
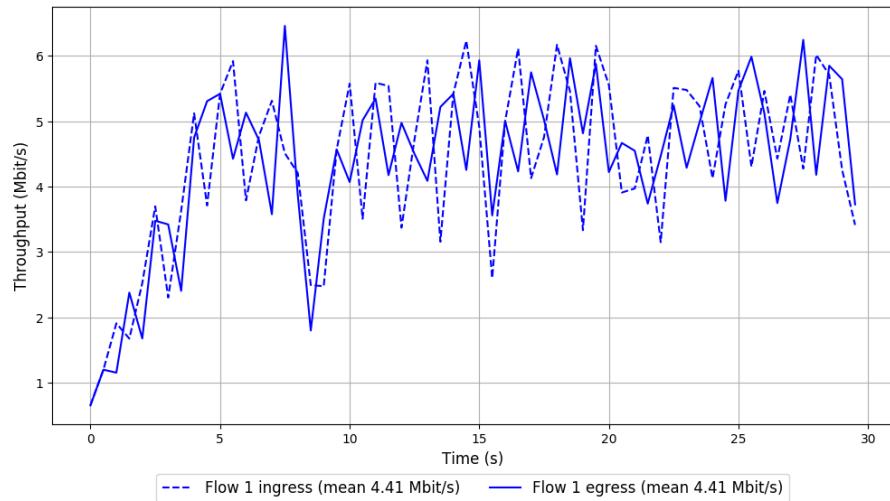


Run 5: Statistics of Sprout

```
Start at: 2017-12-05 14:06:48
End at: 2017-12-05 14:07:18
Local clock offset: -0.604 ms
Remote clock offset: -9.101 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 84.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 84.196 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

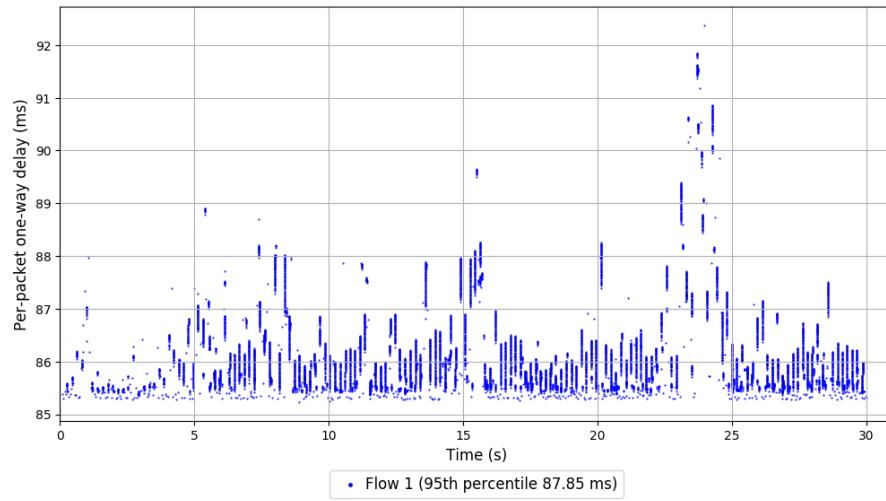
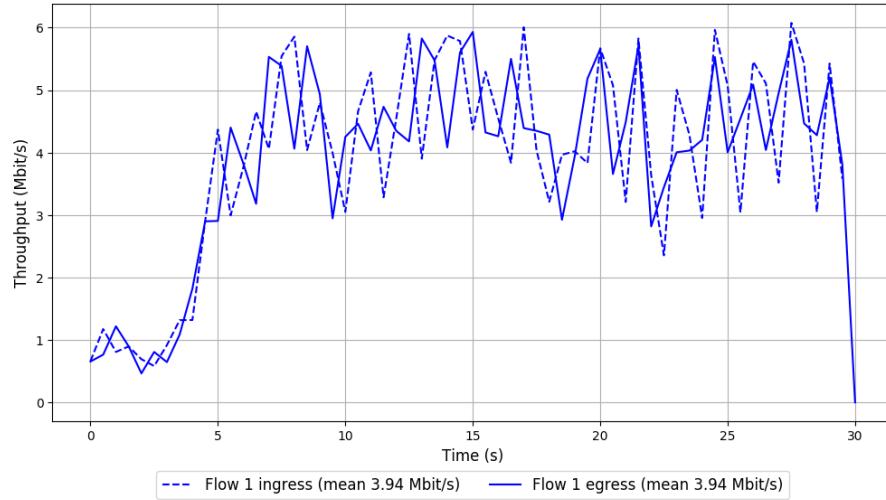


Run 6: Statistics of Sprout

```
Start at: 2017-12-05 14:24:43
End at: 2017-12-05 14:25:13
Local clock offset: -0.651 ms
Remote clock offset: -5.184 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.853 ms
Loss rate: 0.00%
```

## Run 6: Report of Sprout — Data Link

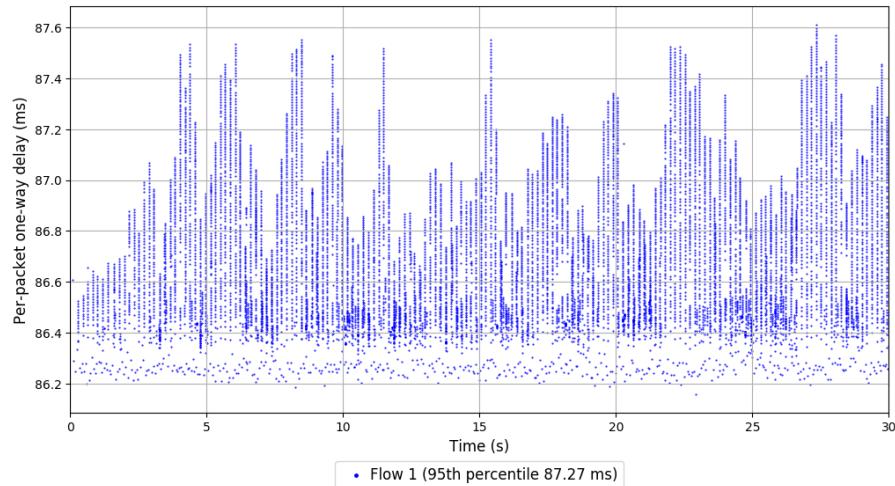
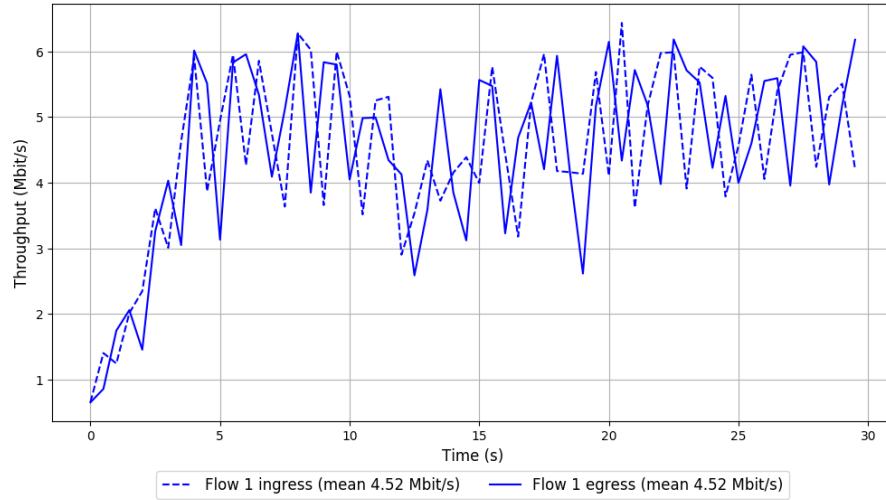


Run 7: Statistics of Sprout

```
Start at: 2017-12-05 14:42:29
End at: 2017-12-05 14:42:59
Local clock offset: -0.513 ms
Remote clock offset: -6.426 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 87.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 87.273 ms
Loss rate: 0.00%
```

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

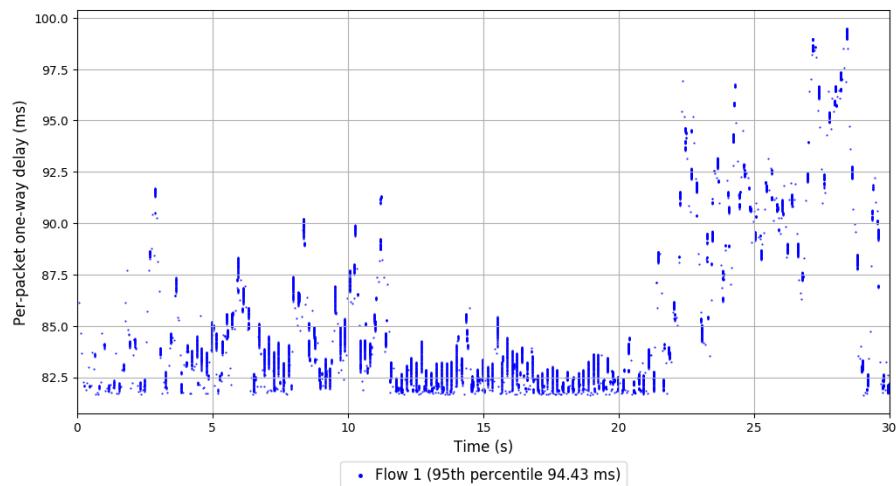
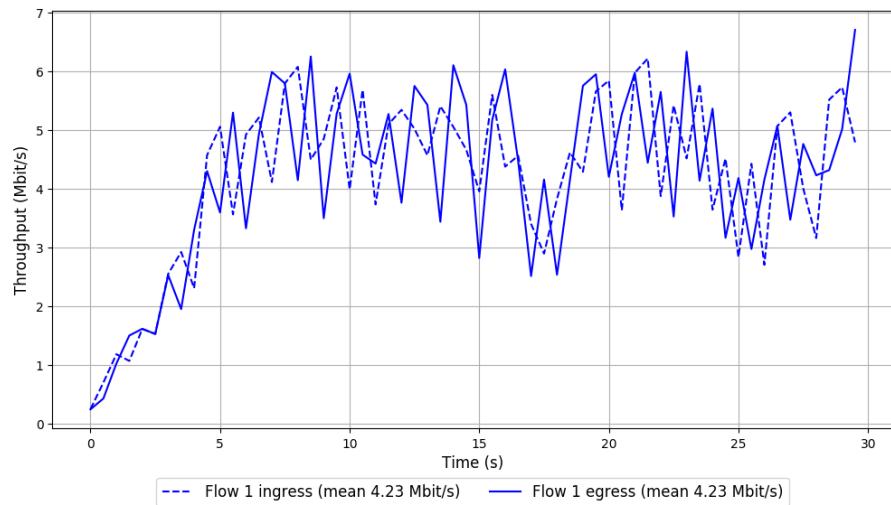


Run 8: Statistics of Sprout

```
Start at: 2017-12-05 15:00:21
End at: 2017-12-05 15:00:51
Local clock offset: -0.455 ms
Remote clock offset: -9.789 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 94.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 94.427 ms
Loss rate: 0.00%
```

## Run 8: Report of Sprout — Data Link

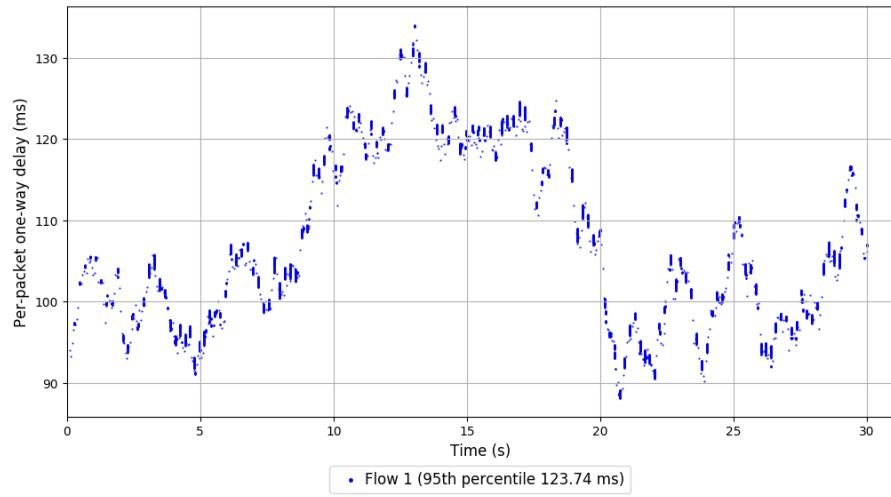
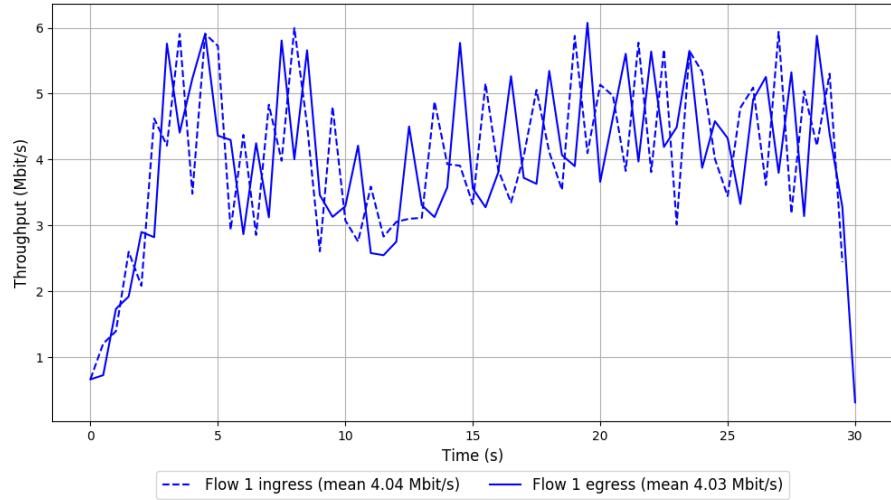


Run 9: Statistics of Sprout

```
Start at: 2017-12-05 15:17:57
End at: 2017-12-05 15:18:27
Local clock offset: -0.334 ms
Remote clock offset: -3.625 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 123.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 123.740 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

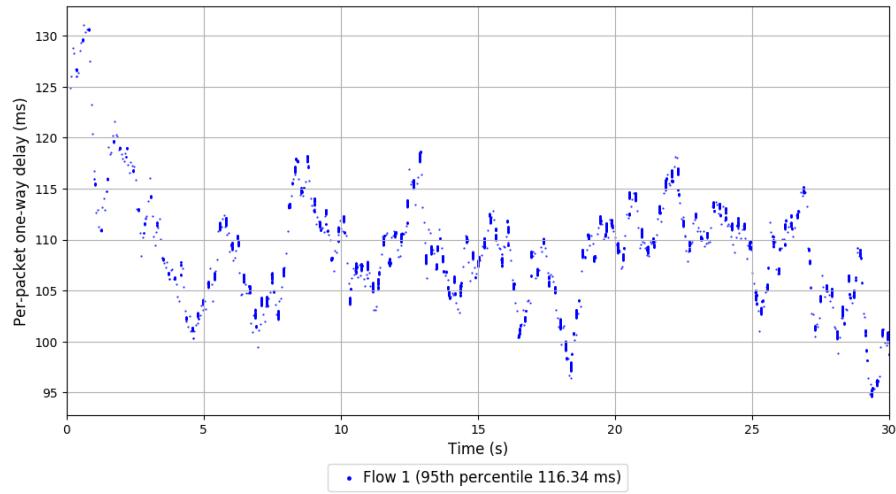
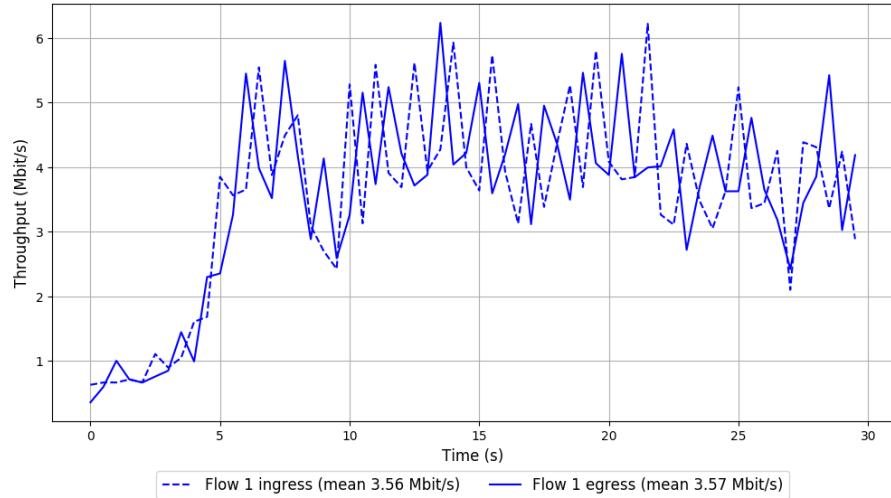


Run 10: Statistics of Sprout

```
Start at: 2017-12-05 15:35:49
End at: 2017-12-05 15:36:19
Local clock offset: -0.251 ms
Remote clock offset: -8.906 ms

# Below is generated by plot.py at 2017-12-05 16:37:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 116.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 116.338 ms
Loss rate: 0.00%
```

## Run 10: Report of Sprout — Data Link

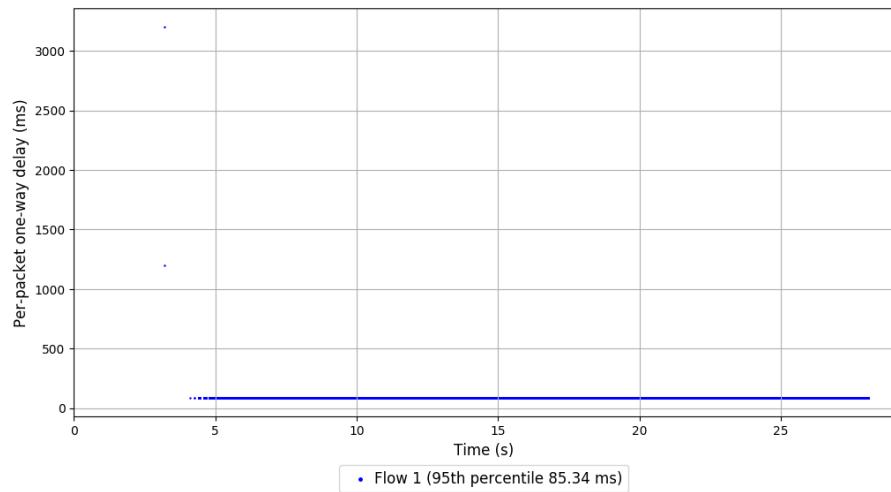
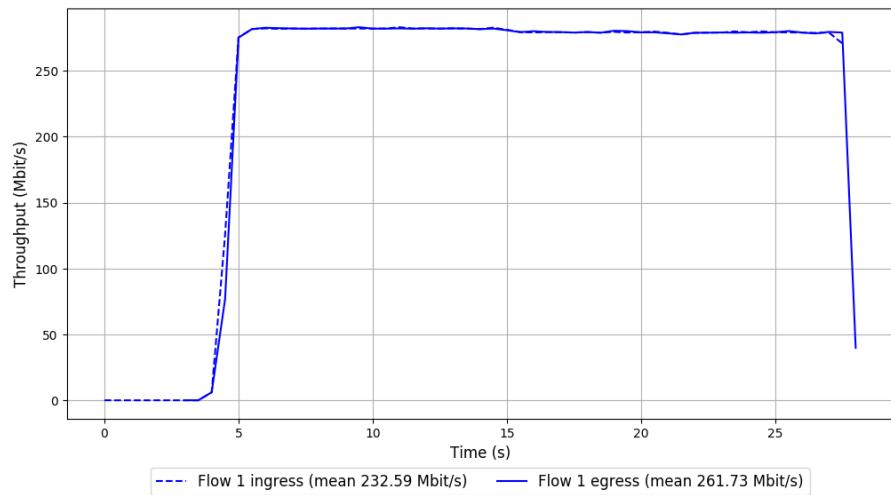


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-12-05 12:49:13
End at: 2017-12-05 12:49:43
Local clock offset: -0.006 ms
Remote clock offset: -2.133 ms

# Below is generated by plot.py at 2017-12-05 16:40:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.73 Mbit/s
95th percentile per-packet one-way delay: 85.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 261.73 Mbit/s
95th percentile per-packet one-way delay: 85.342 ms
Loss rate: 0.00%
```

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

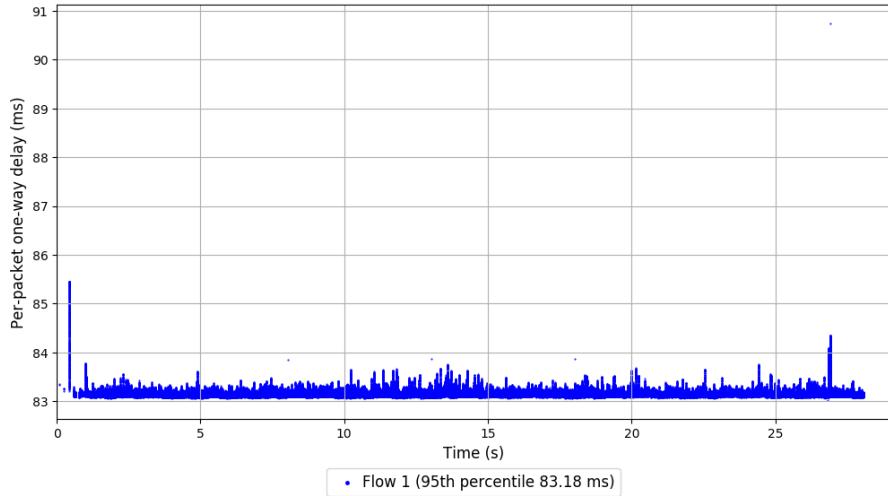
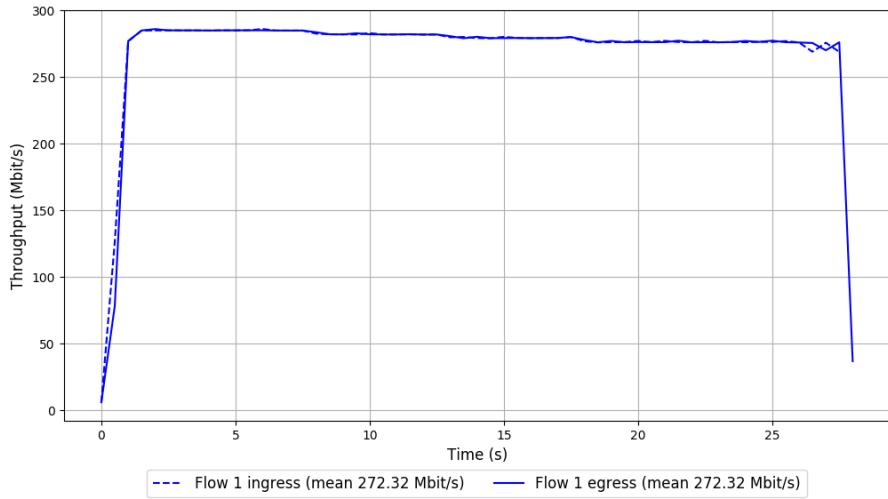


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-12-05 13:07:11
End at: 2017-12-05 13:07:41
Local clock offset: -0.307 ms
Remote clock offset: -6.487 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.32 Mbit/s
95th percentile per-packet one-way delay: 83.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 272.32 Mbit/s
95th percentile per-packet one-way delay: 83.182 ms
Loss rate: 0.01%
```

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

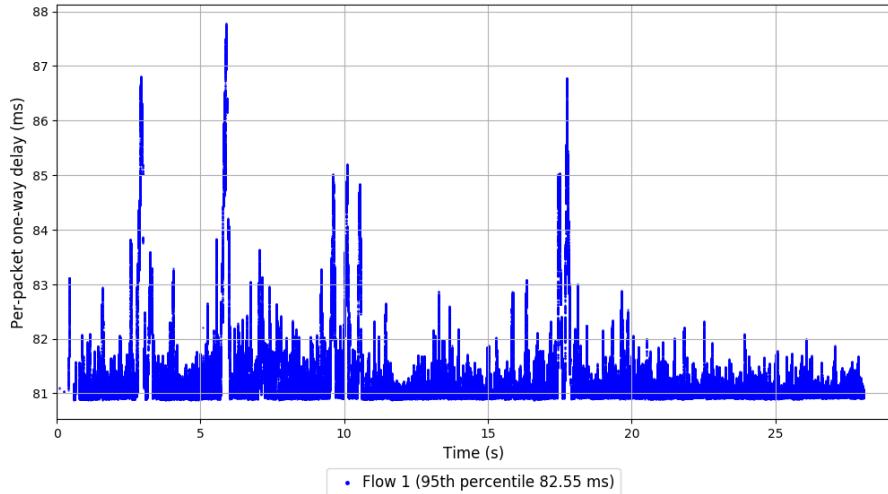
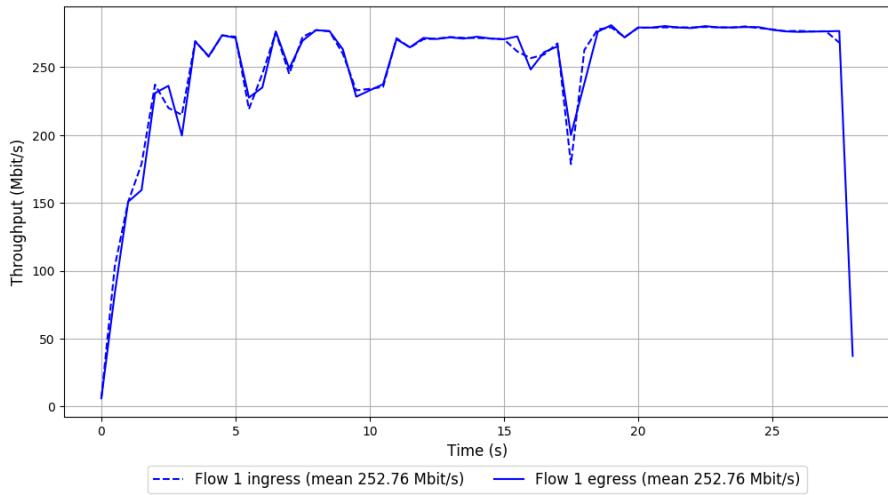


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-12-05 13:25:16
End at: 2017-12-05 13:25:46
Local clock offset: -0.386 ms
Remote clock offset: -7.681 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.76 Mbit/s
95th percentile per-packet one-way delay: 82.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.76 Mbit/s
95th percentile per-packet one-way delay: 82.545 ms
Loss rate: 0.00%
```

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

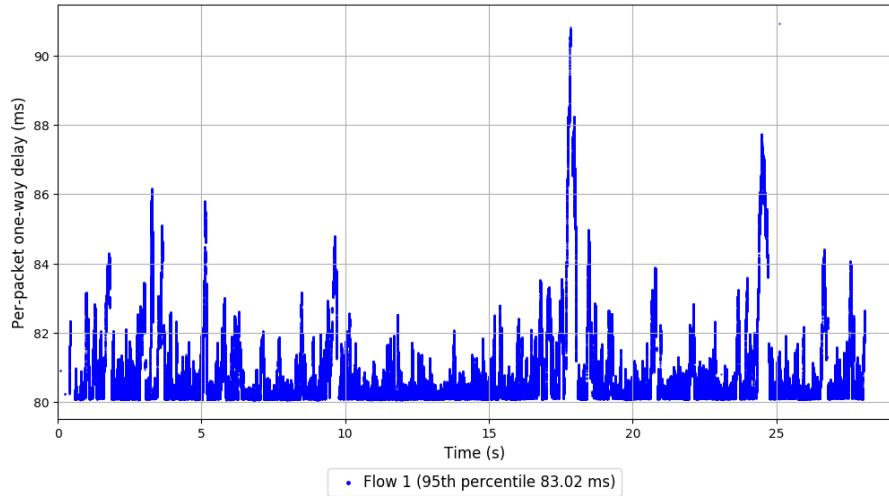
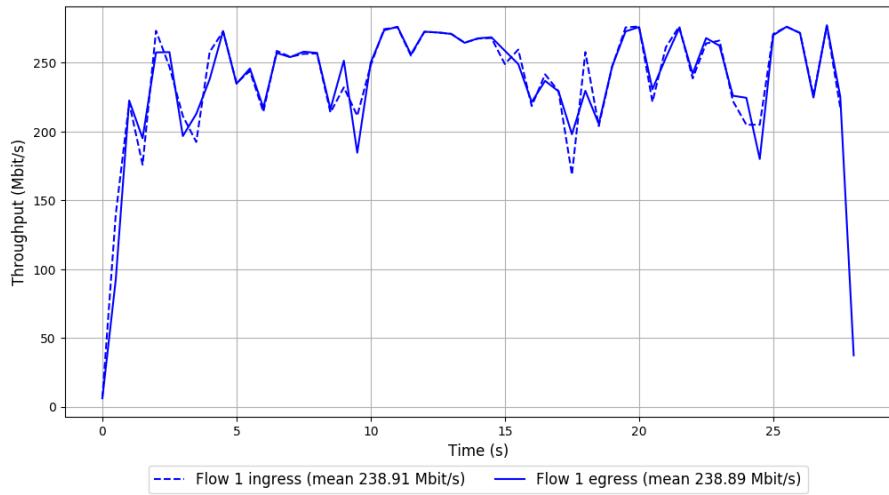


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-12-05 13:43:21
End at: 2017-12-05 13:43:51
Local clock offset: -0.512 ms
Remote clock offset: -9.127 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 238.89 Mbit/s
95th percentile per-packet one-way delay: 83.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.89 Mbit/s
95th percentile per-packet one-way delay: 83.020 ms
Loss rate: 0.00%
```

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

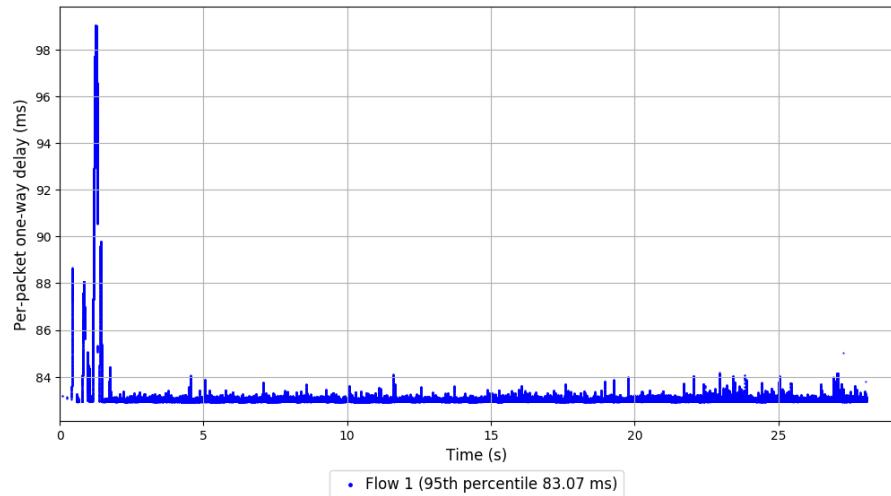
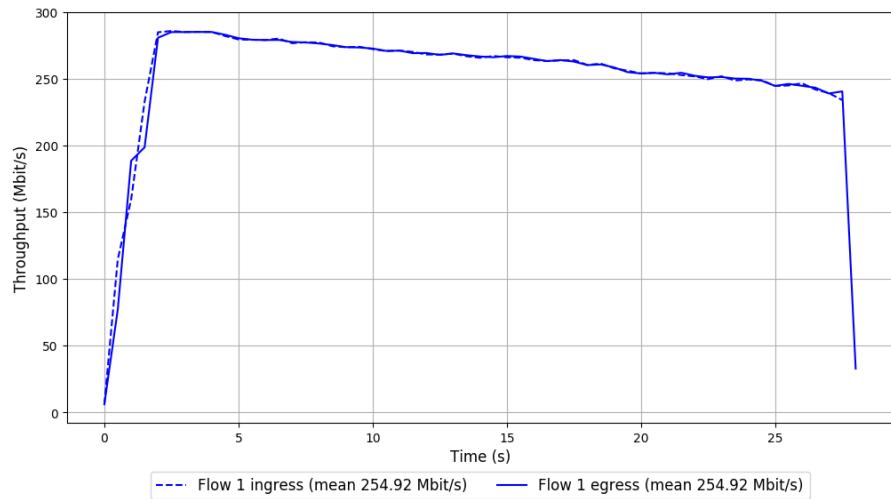


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-12-05 14:01:27
End at: 2017-12-05 14:01:57
Local clock offset: -0.618 ms
Remote clock offset: -8.934 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.92 Mbit/s
95th percentile per-packet one-way delay: 83.070 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 254.92 Mbit/s
95th percentile per-packet one-way delay: 83.070 ms
Loss rate: 0.01%
```

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

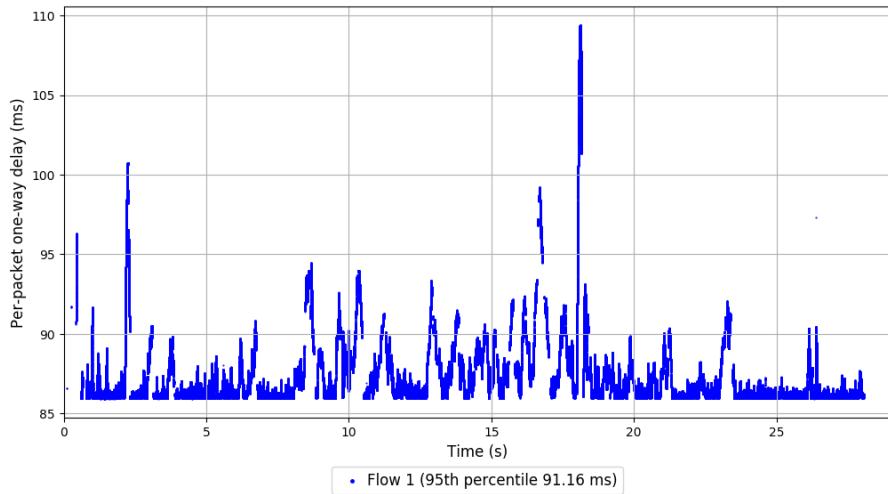
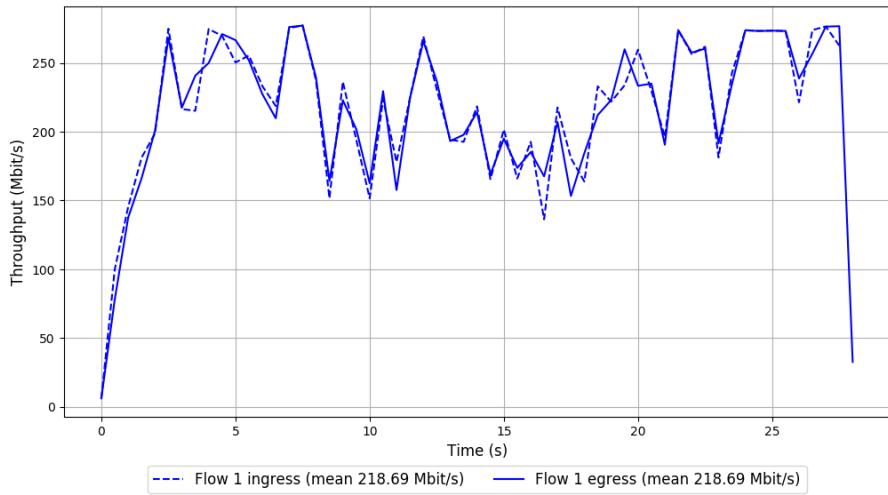


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-12-05 14:19:14
End at: 2017-12-05 14:19:44
Local clock offset: -0.631 ms
Remote clock offset: -4.682 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.69 Mbit/s
95th percentile per-packet one-way delay: 91.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.69 Mbit/s
95th percentile per-packet one-way delay: 91.163 ms
Loss rate: 0.00%
```

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

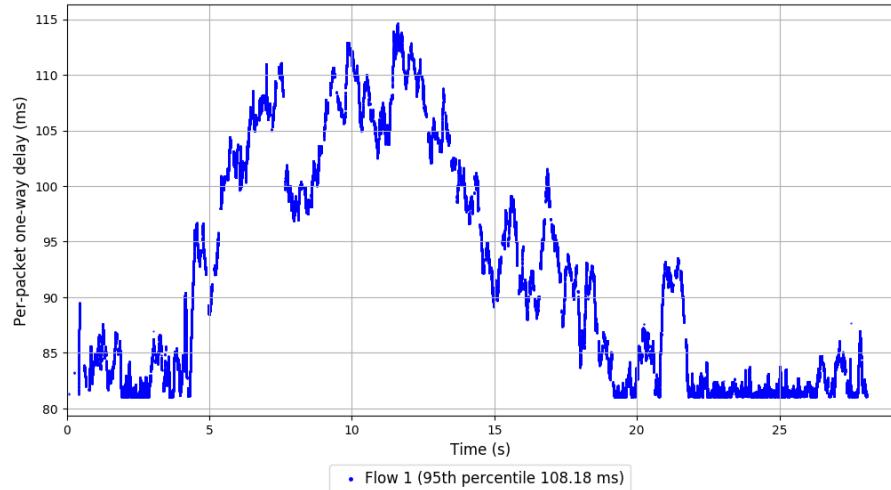
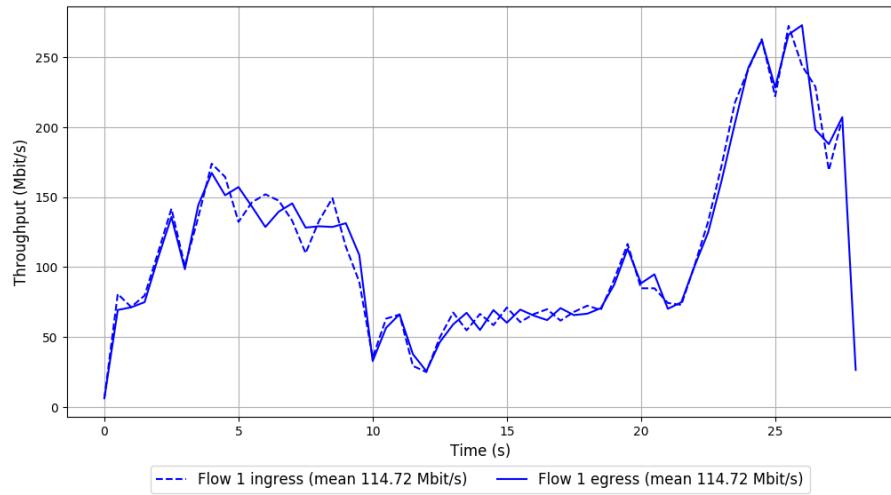


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-12-05 14:37:08
End at: 2017-12-05 14:37:38
Local clock offset: -0.572 ms
Remote clock offset: -10.787 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.72 Mbit/s
95th percentile per-packet one-way delay: 108.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.72 Mbit/s
95th percentile per-packet one-way delay: 108.182 ms
Loss rate: 0.00%
```

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

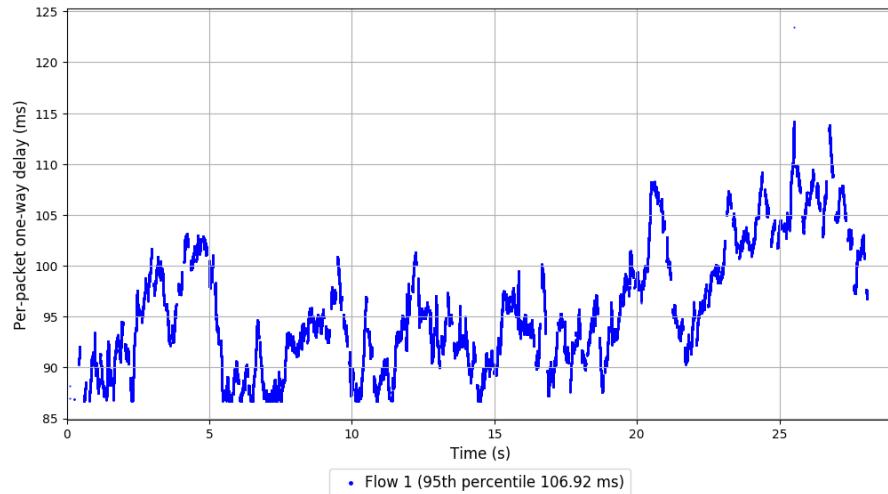
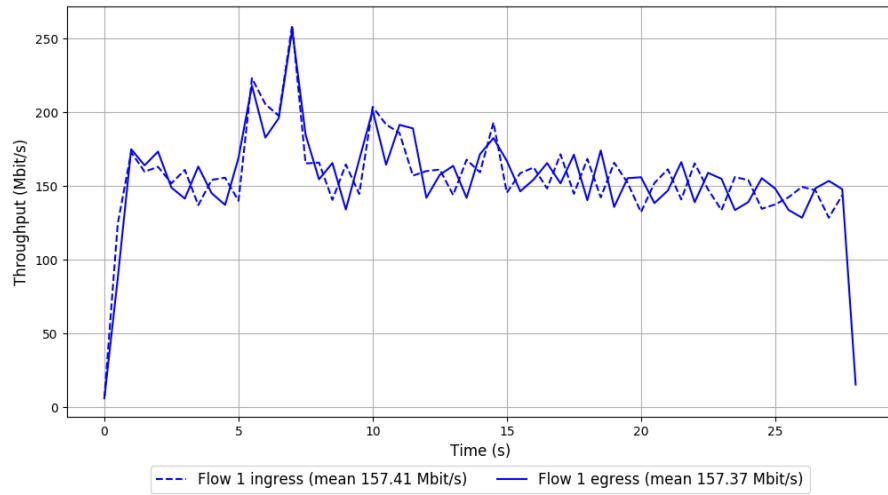


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-12-05 14:54:56
End at: 2017-12-05 14:55:26
Local clock offset: -0.428 ms
Remote clock offset: -4.599 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.37 Mbit/s
95th percentile per-packet one-way delay: 106.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.37 Mbit/s
95th percentile per-packet one-way delay: 106.918 ms
Loss rate: 0.00%
```

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

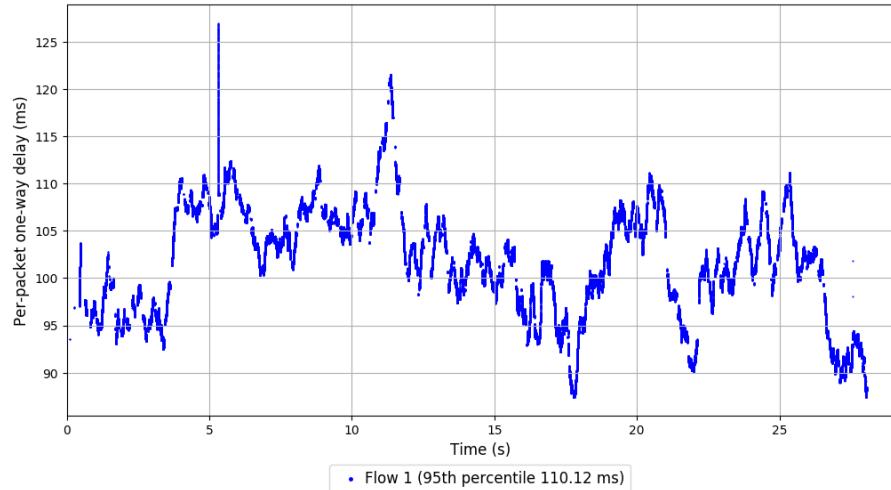
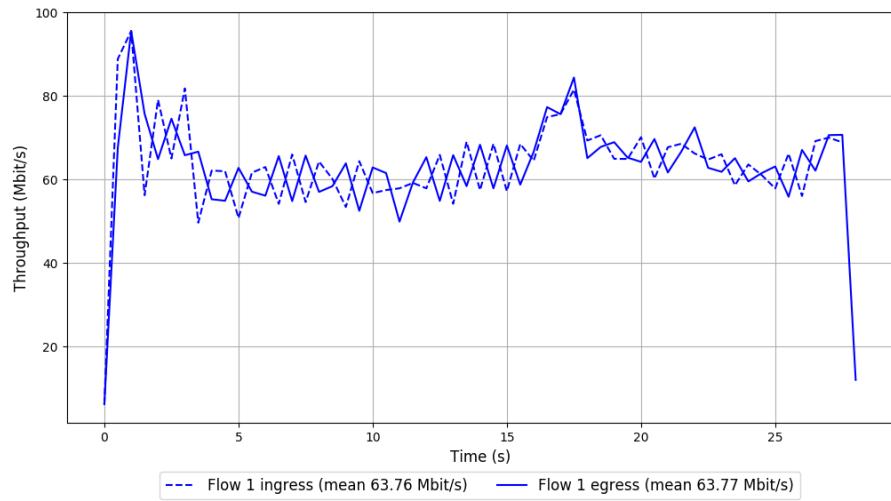


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-12-05 15:12:38
End at: 2017-12-05 15:13:08
Local clock offset: -0.418 ms
Remote clock offset: -5.842 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.77 Mbit/s
95th percentile per-packet one-way delay: 110.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.77 Mbit/s
95th percentile per-packet one-way delay: 110.125 ms
Loss rate: 0.00%
```

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

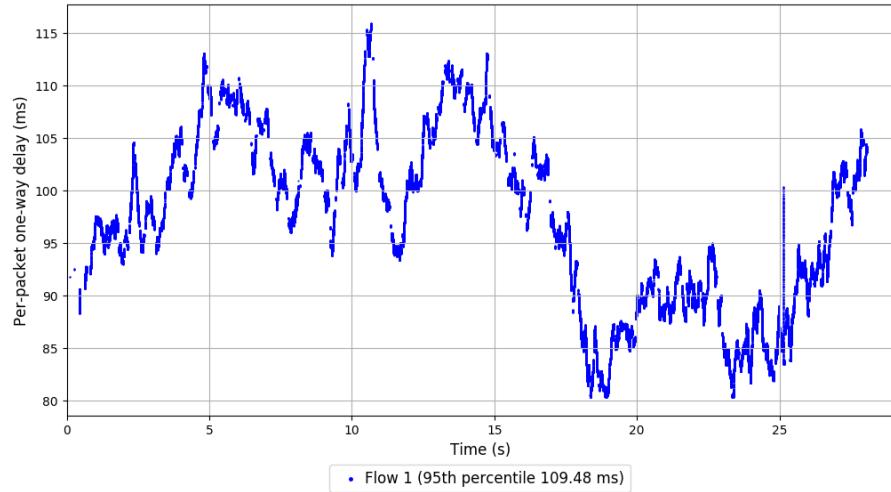
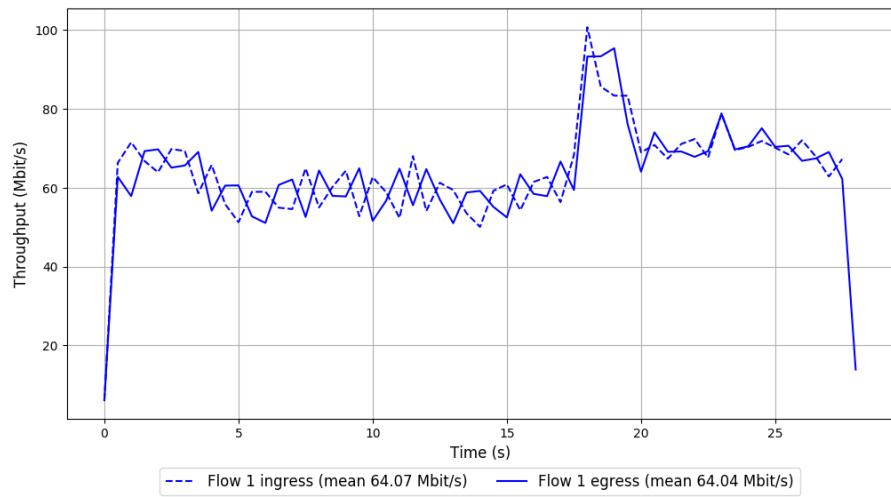


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-12-05 15:30:28
End at: 2017-12-05 15:30:58
Local clock offset: -0.297 ms
Remote clock offset: -9.96 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 109.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 109.476 ms
Loss rate: 0.00%
```

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

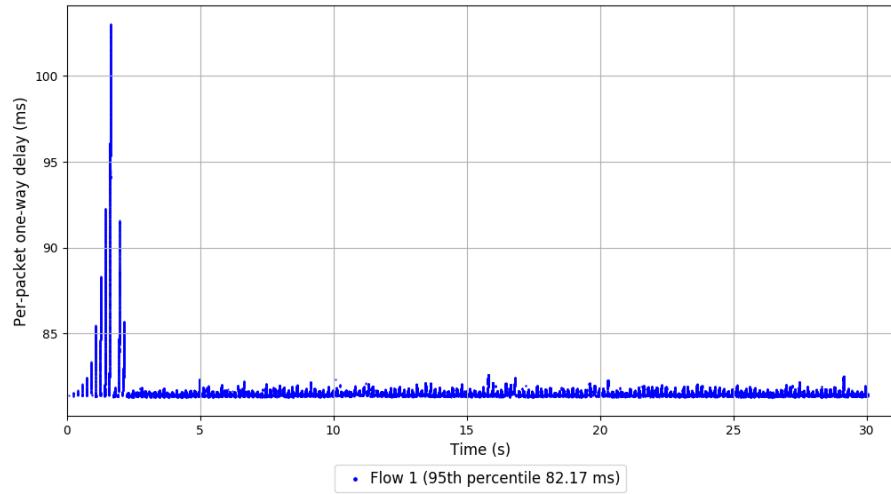
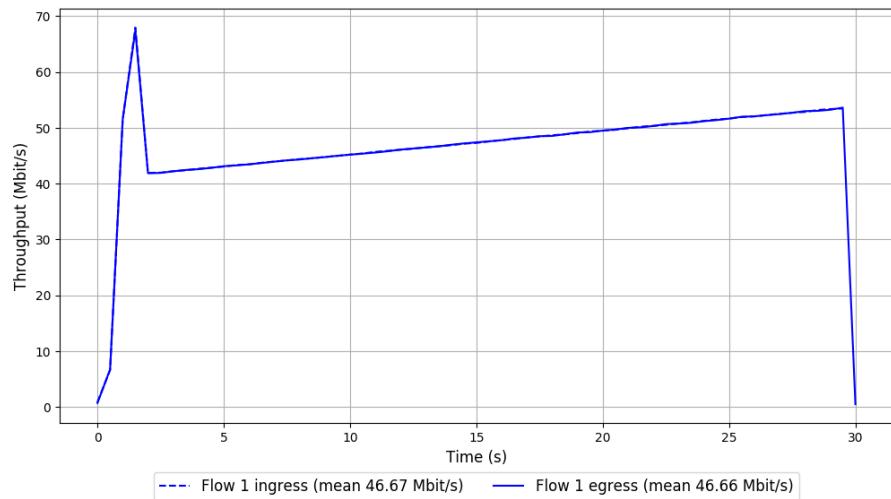


Run 1: Statistics of TCP Vegas

```
Start at: 2017-12-05 12:58:23
End at: 2017-12-05 12:58:54
Local clock offset: -0.145 ms
Remote clock offset: -6.601 ms

# Below is generated by plot.py at 2017-12-05 16:41:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 82.175 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 82.175 ms
Loss rate: 0.02%
```

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

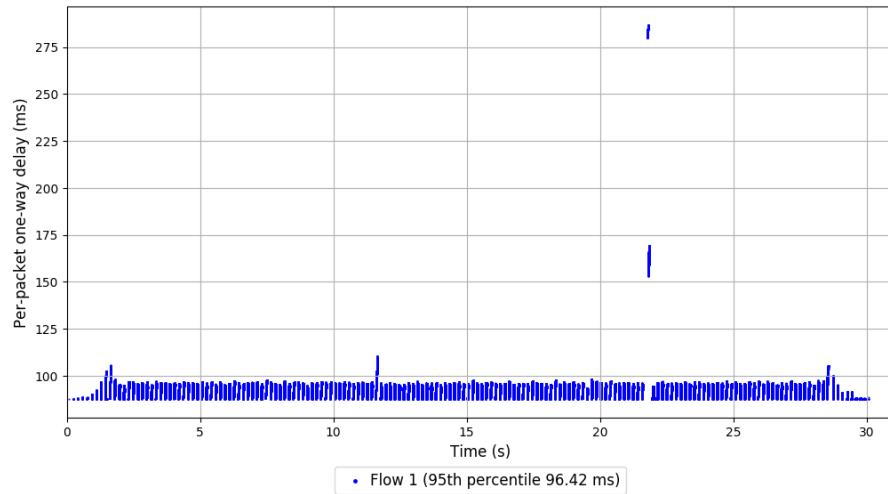
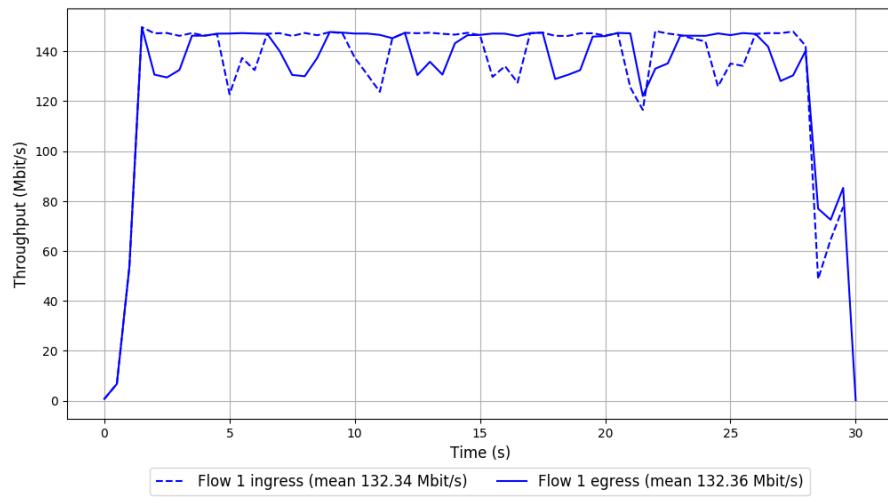


Run 2: Statistics of TCP Vegas

```
Start at: 2017-12-05 13:16:30
End at: 2017-12-05 13:17:01
Local clock offset: -0.323 ms
Remote clock offset: -2.156 ms

# Below is generated by plot.py at 2017-12-05 16:42:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.36 Mbit/s
95th percentile per-packet one-way delay: 96.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.36 Mbit/s
95th percentile per-packet one-way delay: 96.417 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

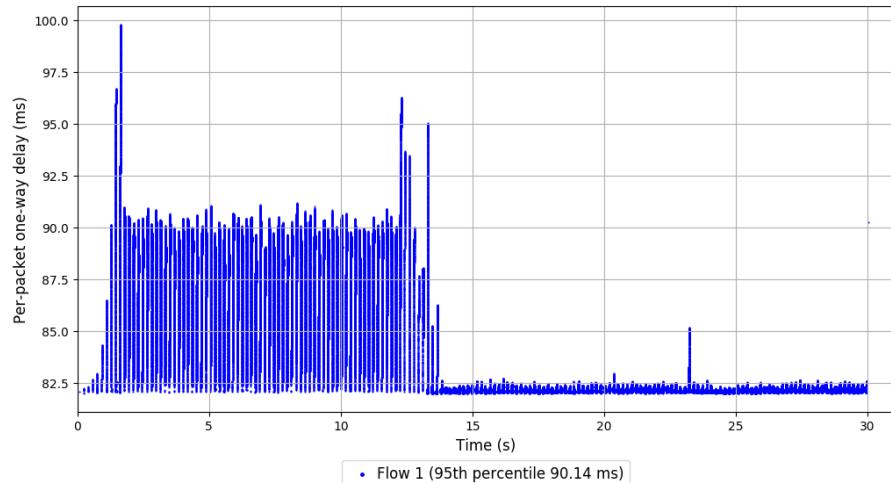
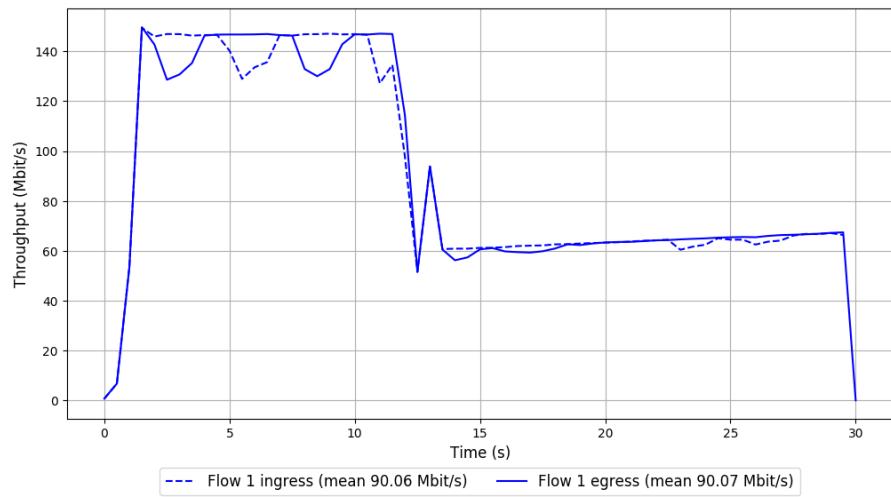


Run 3: Statistics of TCP Vegas

```
Start at: 2017-12-05 13:34:35
End at: 2017-12-05 13:35:05
Local clock offset: -0.508 ms
Remote clock offset: -8.71 ms

# Below is generated by plot.py at 2017-12-05 16:42:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 90.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 90.143 ms
Loss rate: 0.00%
```

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

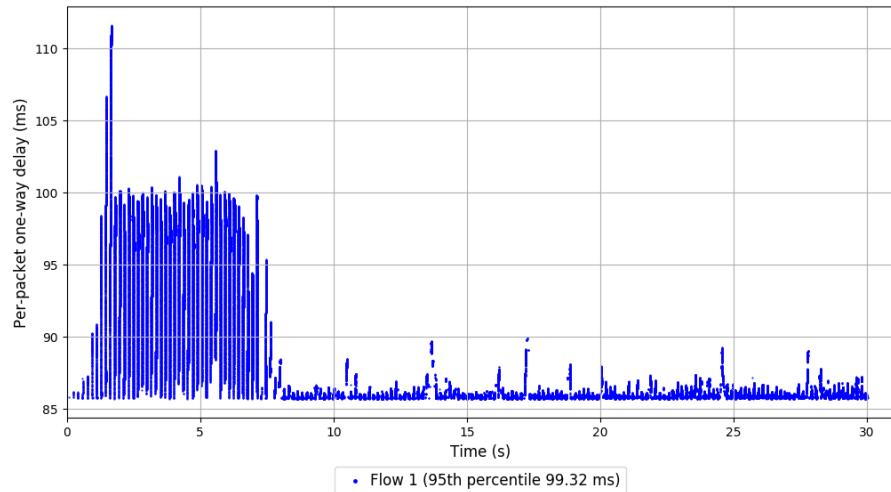
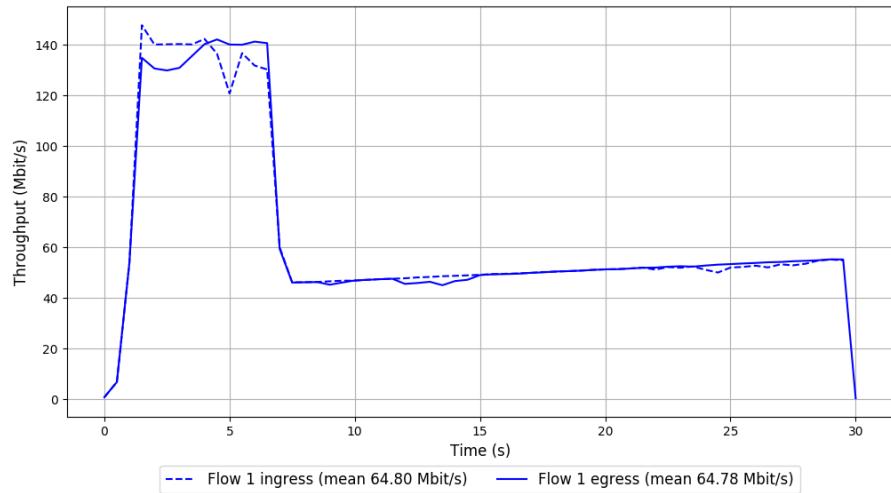


Run 4: Statistics of TCP Vegas

```
Start at: 2017-12-05 13:52:35
End at: 2017-12-05 13:53:05
Local clock offset: -0.622 ms
Remote clock offset: -3.888 ms

# Below is generated by plot.py at 2017-12-05 16:42:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.78 Mbit/s
95th percentile per-packet one-way delay: 99.318 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 64.78 Mbit/s
95th percentile per-packet one-way delay: 99.318 ms
Loss rate: 0.03%
```

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

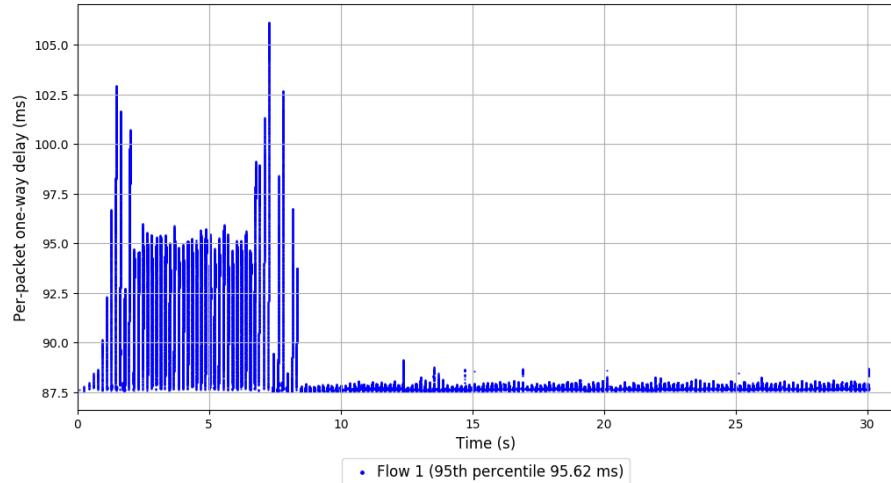
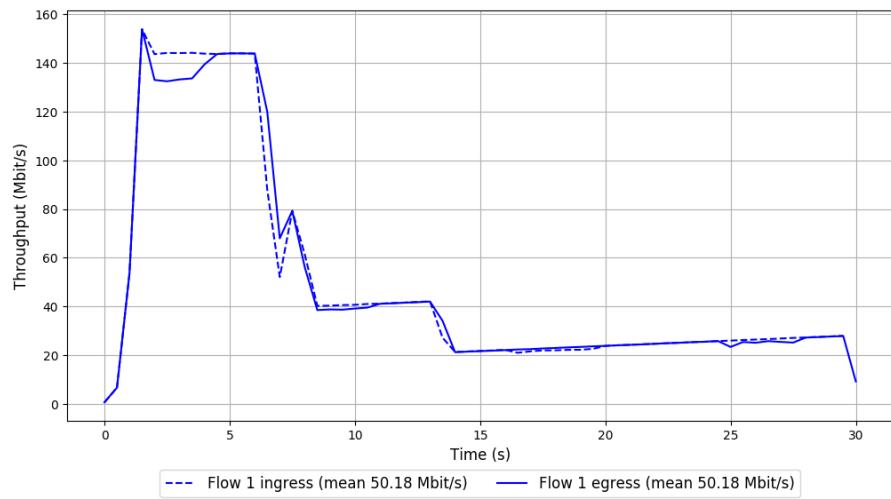


Run 5: Statistics of TCP Vegas

```
Start at: 2017-12-05 14:10:29
End at: 2017-12-05 14:10:59
Local clock offset: -0.641 ms
Remote clock offset: -4.746 ms

# Below is generated by plot.py at 2017-12-05 16:42:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 95.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 95.618 ms
Loss rate: 0.00%
```

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

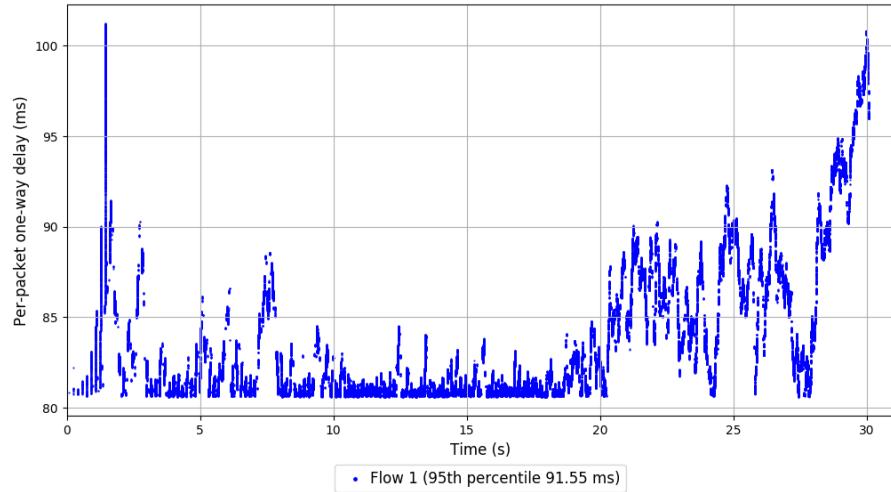
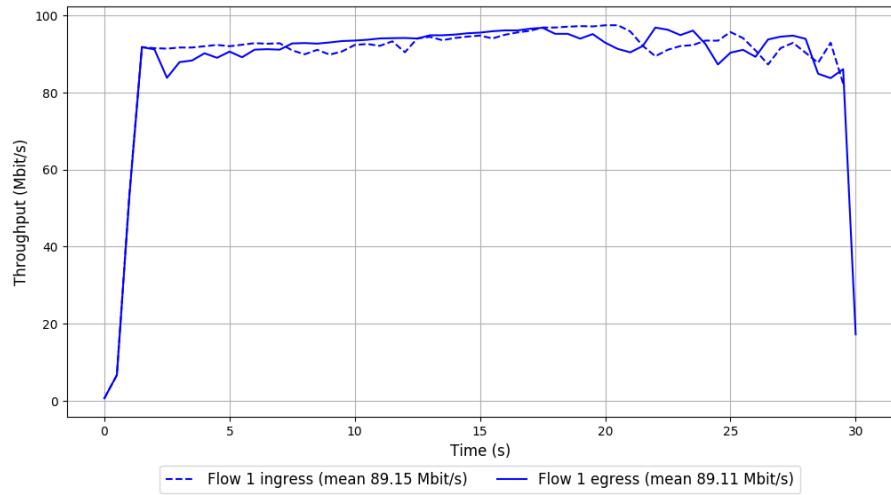


Run 6: Statistics of TCP Vegas

```
Start at: 2017-12-05 14:28:24
End at: 2017-12-05 14:28:54
Local clock offset: -0.639 ms
Remote clock offset: -10.143 ms

# Below is generated by plot.py at 2017-12-05 16:42:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 91.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 91.551 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

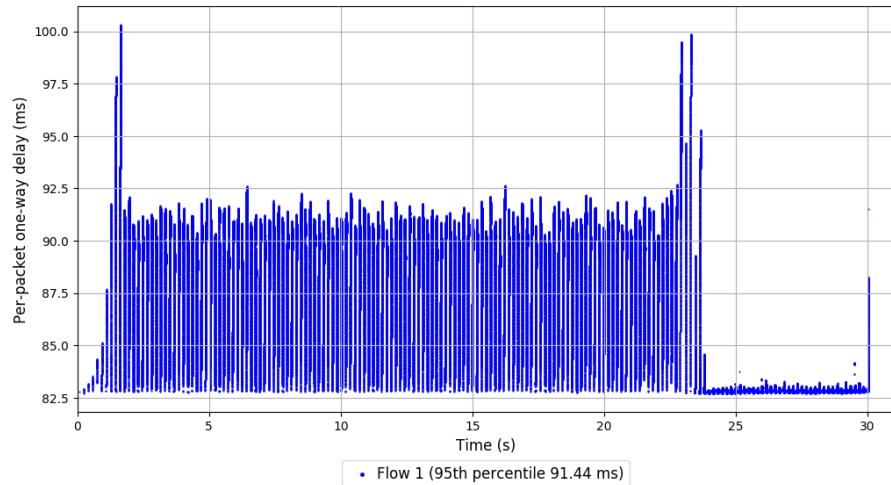
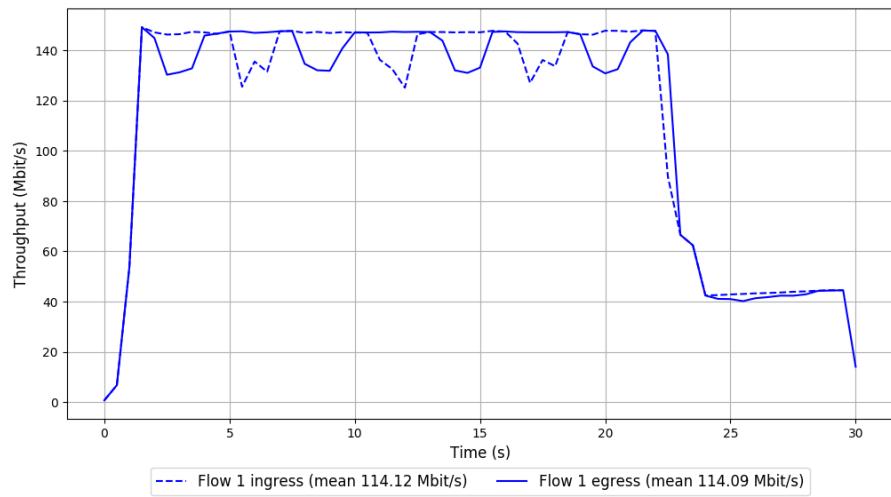


Run 7: Statistics of TCP Vegas

```
Start at: 2017-12-05 14:46:11
End at: 2017-12-05 14:46:41
Local clock offset: -0.555 ms
Remote clock offset: -10.069 ms

# Below is generated by plot.py at 2017-12-05 16:43:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.09 Mbit/s
95th percentile per-packet one-way delay: 91.438 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 114.09 Mbit/s
95th percentile per-packet one-way delay: 91.438 ms
Loss rate: 0.01%
```

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

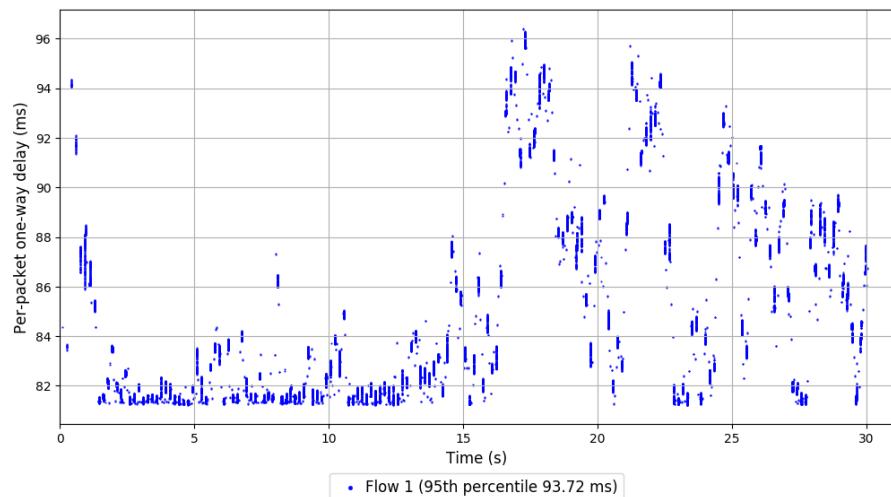
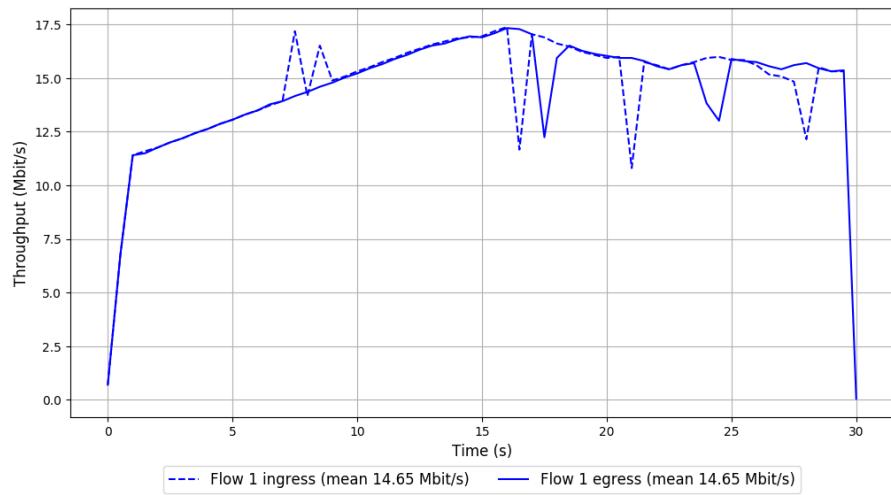


Run 8: Statistics of TCP Vegas

```
Start at: 2017-12-05 15:03:55
End at: 2017-12-05 15:04:25
Local clock offset: -0.378 ms
Remote clock offset: -10.054 ms

# Below is generated by plot.py at 2017-12-05 16:43:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.65 Mbit/s
95th percentile per-packet one-way delay: 93.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.65 Mbit/s
95th percentile per-packet one-way delay: 93.722 ms
Loss rate: 0.00%
```

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

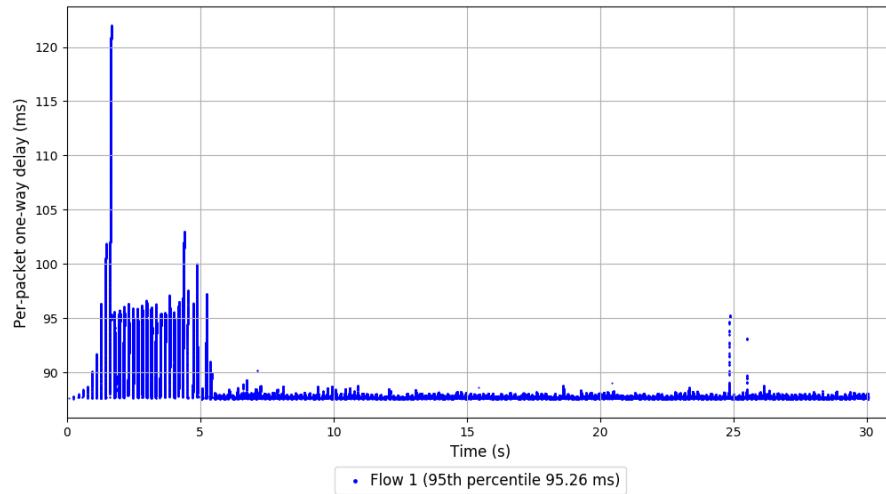
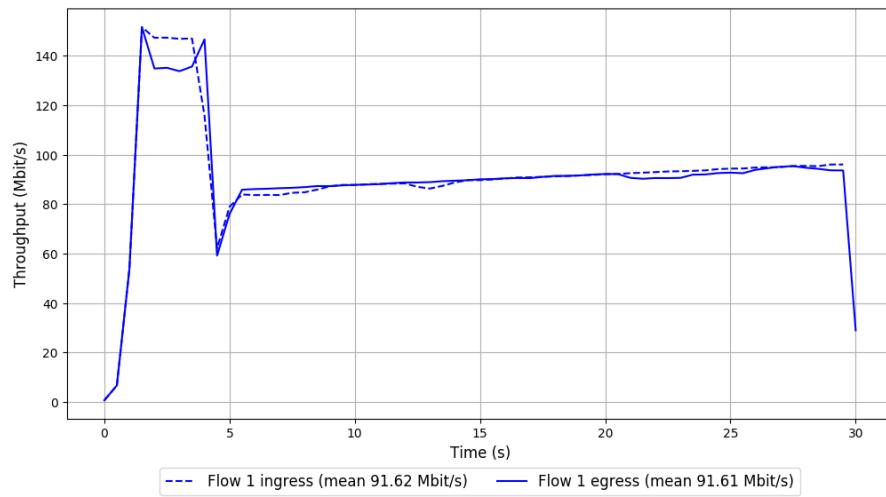


Run 9: Statistics of TCP Vegas

```
Start at: 2017-12-05 15:21:34
End at: 2017-12-05 15:22:04
Local clock offset: -0.302 ms
Remote clock offset: -4.347 ms

# Below is generated by plot.py at 2017-12-05 16:43:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 95.259 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 95.259 ms
Loss rate: 0.01%
```

Run 9: Report of TCP Vegas — Data Link

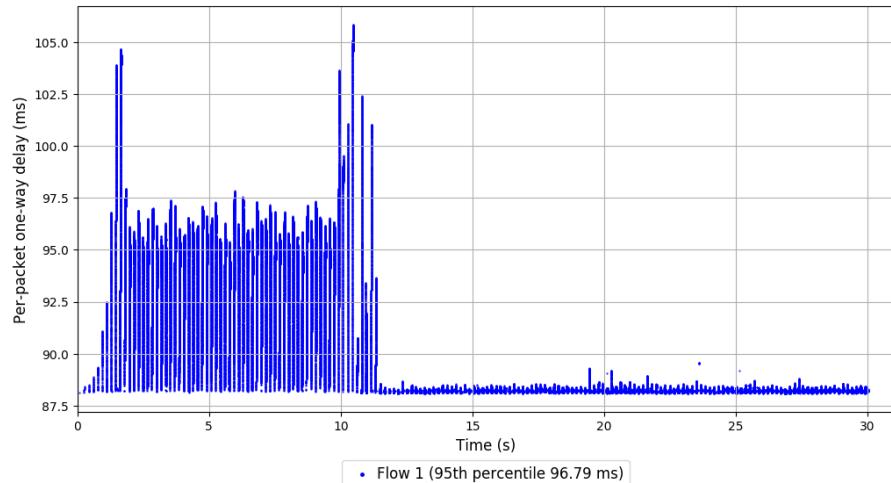
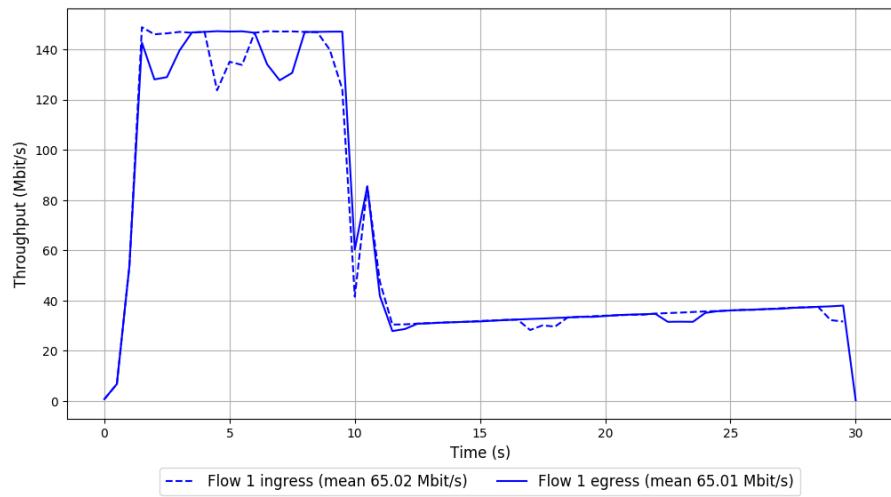


Run 10: Statistics of TCP Vegas

```
Start at: 2017-12-05 15:39:33
End at: 2017-12-05 15:40:03
Local clock offset: -0.328 ms
Remote clock offset: -3.928 ms

# Below is generated by plot.py at 2017-12-05 16:43:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 96.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 96.791 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

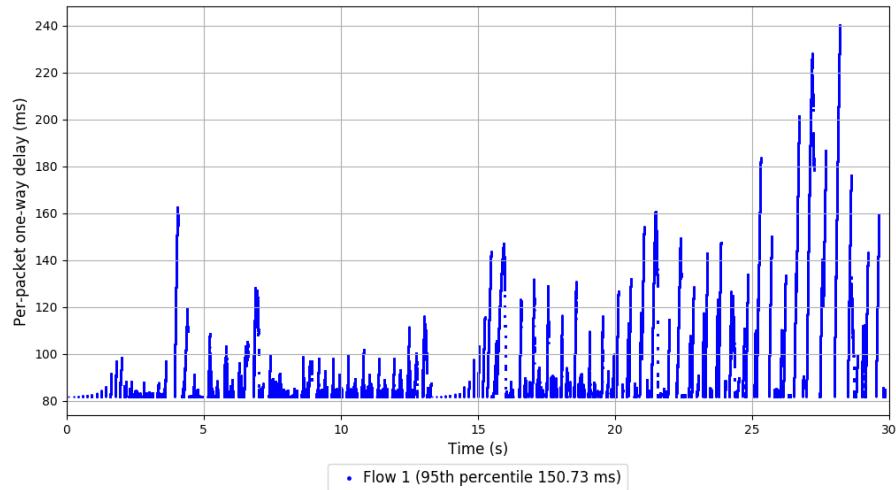
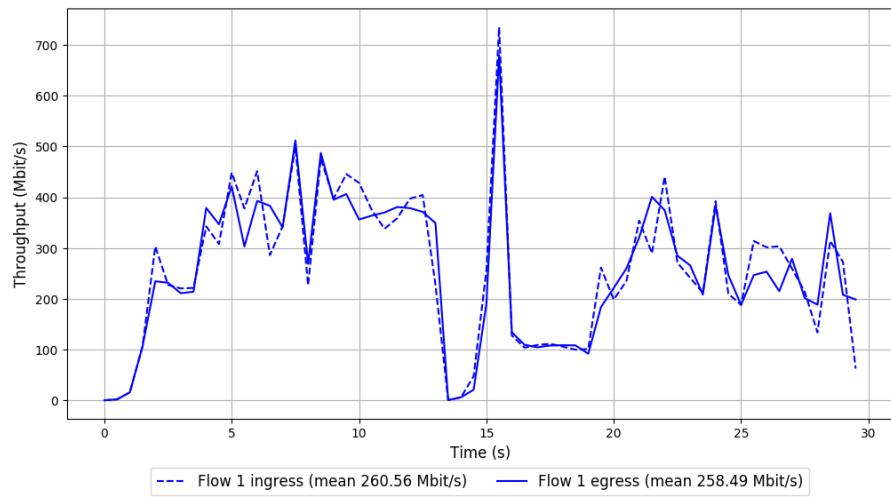


Run 1: Statistics of Verus

```
Start at: 2017-12-05 13:04:31
End at: 2017-12-05 13:05:01
Local clock offset: -0.218 ms
Remote clock offset: -7.22 ms

# Below is generated by plot.py at 2017-12-05 16:45:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 258.49 Mbit/s
95th percentile per-packet one-way delay: 150.728 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 258.49 Mbit/s
95th percentile per-packet one-way delay: 150.728 ms
Loss rate: 0.79%
```

Run 1: Report of Verus — Data Link

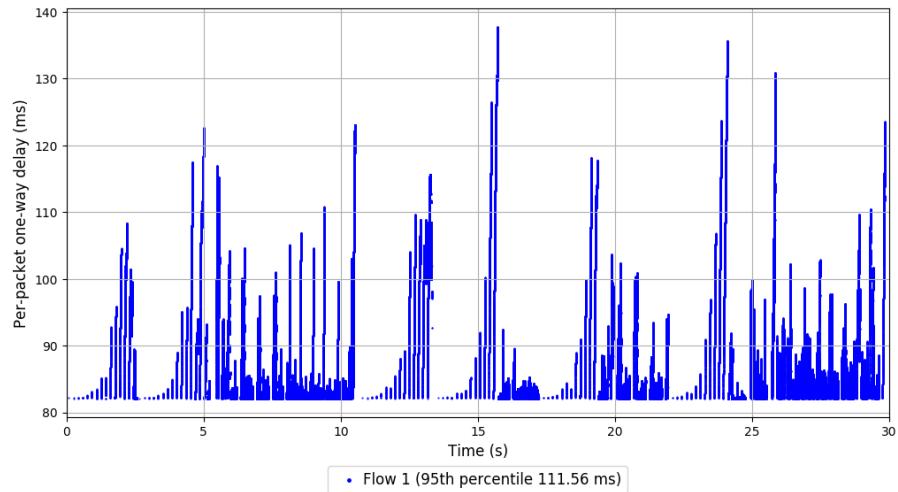
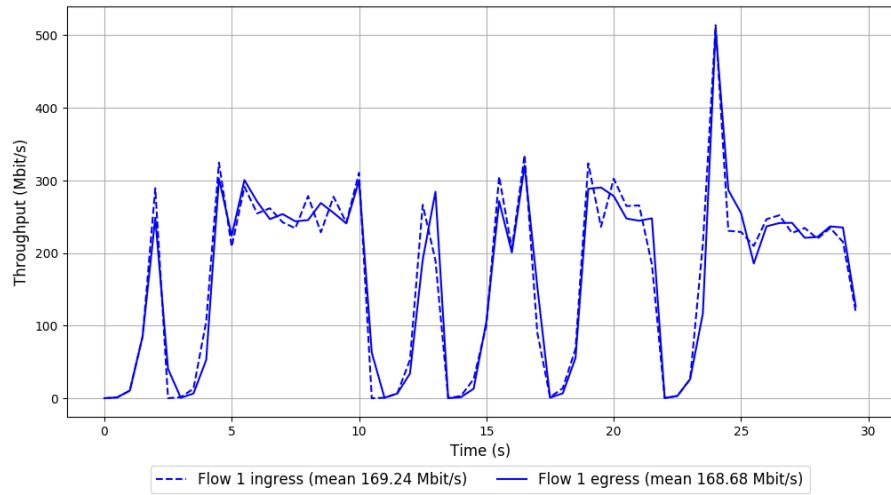


Run 2: Statistics of Verus

```
Start at: 2017-12-05 13:22:46
End at: 2017-12-05 13:23:16
Local clock offset: -0.351 ms
Remote clock offset: -8.141 ms

# Below is generated by plot.py at 2017-12-05 16:45:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.68 Mbit/s
95th percentile per-packet one-way delay: 111.564 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 168.68 Mbit/s
95th percentile per-packet one-way delay: 111.564 ms
Loss rate: 0.32%
```

## Run 2: Report of Verus — Data Link

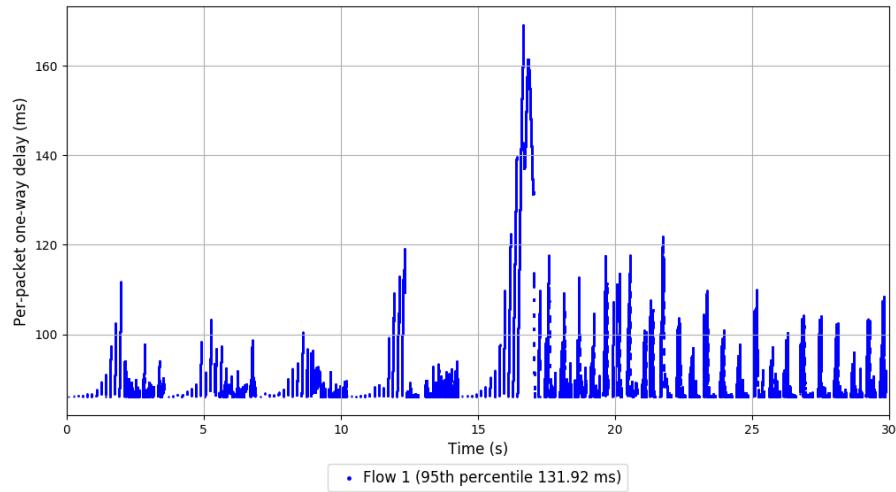
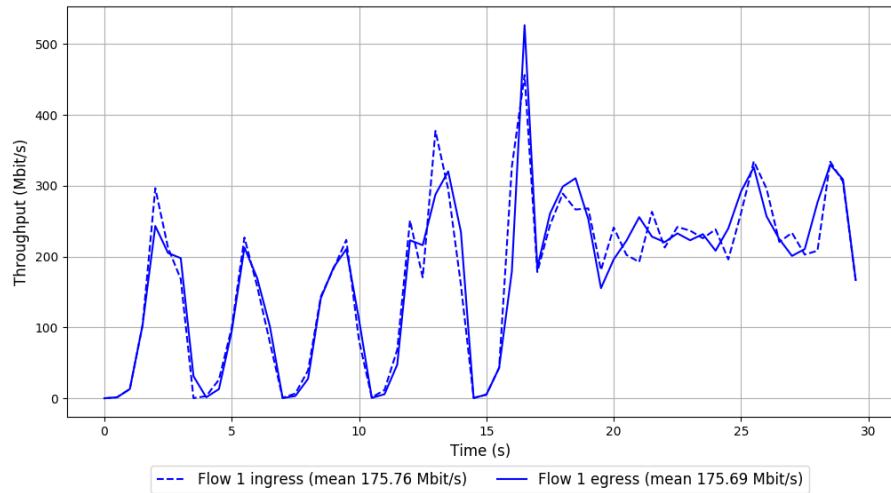


Run 3: Statistics of Verus

```
Start at: 2017-12-05 13:40:49
End at: 2017-12-05 13:41:19
Local clock offset: -0.488 ms
Remote clock offset: -3.387 ms

# Below is generated by plot.py at 2017-12-05 16:45:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.69 Mbit/s
95th percentile per-packet one-way delay: 131.917 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 175.69 Mbit/s
95th percentile per-packet one-way delay: 131.917 ms
Loss rate: 0.04%
```

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

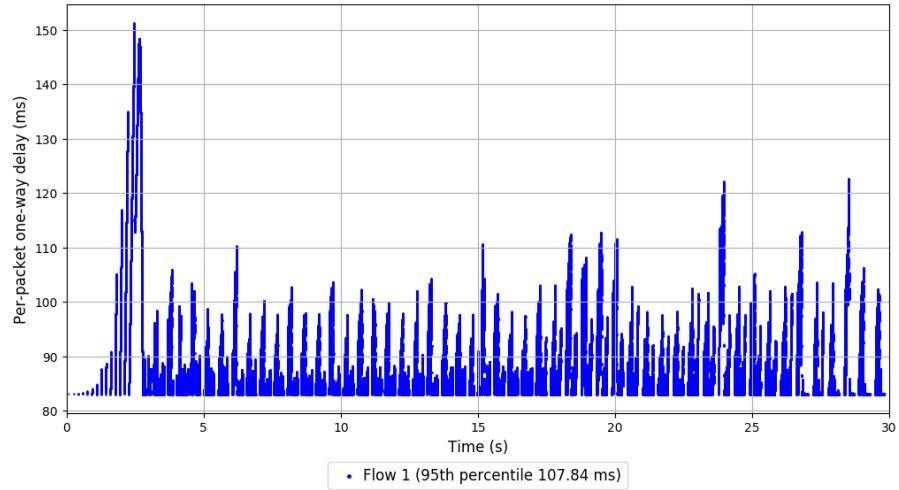
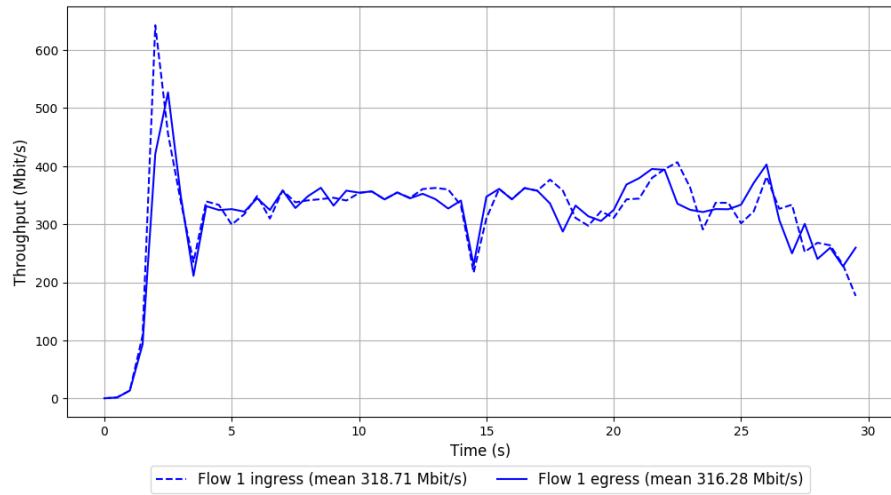


Run 4: Statistics of Verus

```
Start at: 2017-12-05 13:58:45
End at: 2017-12-05 13:59:15
Local clock offset: -0.638 ms
Remote clock offset: -8.871 ms

# Below is generated by plot.py at 2017-12-05 16:47:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 316.28 Mbit/s
95th percentile per-packet one-way delay: 107.841 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 316.28 Mbit/s
95th percentile per-packet one-way delay: 107.841 ms
Loss rate: 0.76%
```

## Run 4: Report of Verus — Data Link

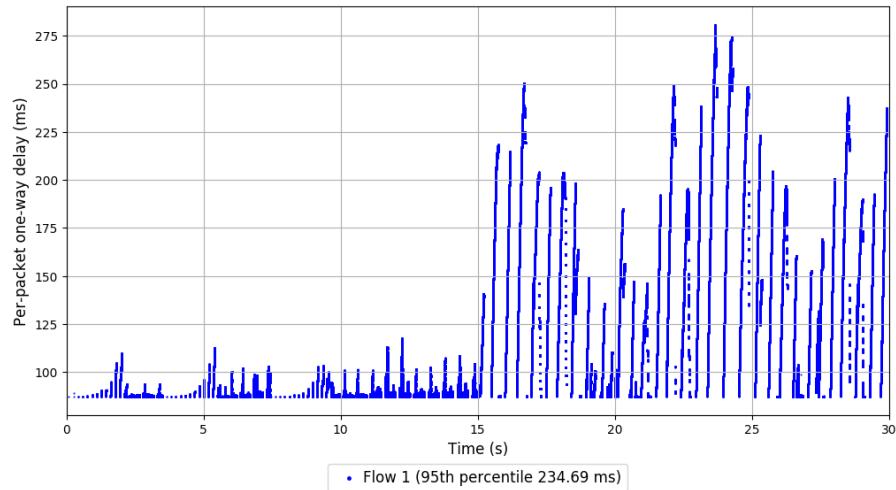
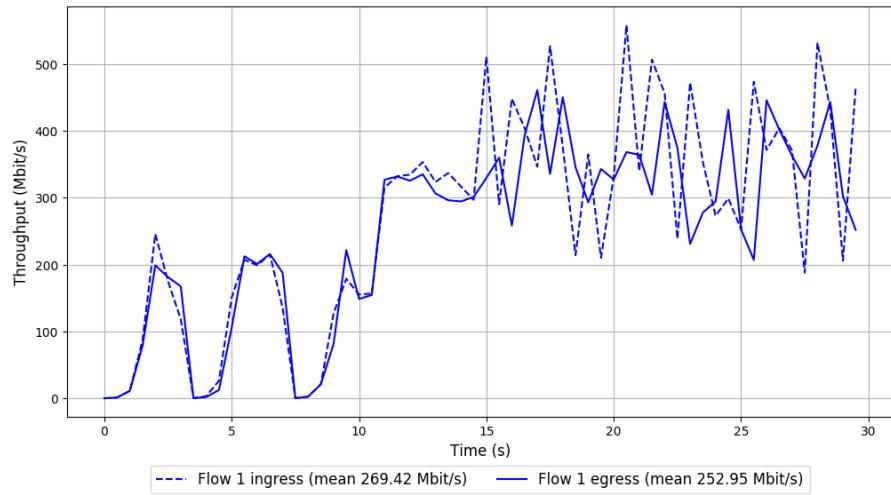


Run 5: Statistics of Verus

```
Start at: 2017-12-05 14:16:36
End at: 2017-12-05 14:17:06
Local clock offset: -0.637 ms
Remote clock offset: -5.039 ms

# Below is generated by plot.py at 2017-12-05 16:47:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.95 Mbit/s
95th percentile per-packet one-way delay: 234.691 ms
Loss rate: 5.96%
-- Flow 1:
Average throughput: 252.95 Mbit/s
95th percentile per-packet one-way delay: 234.691 ms
Loss rate: 5.96%
```

Run 5: Report of Verus — Data Link

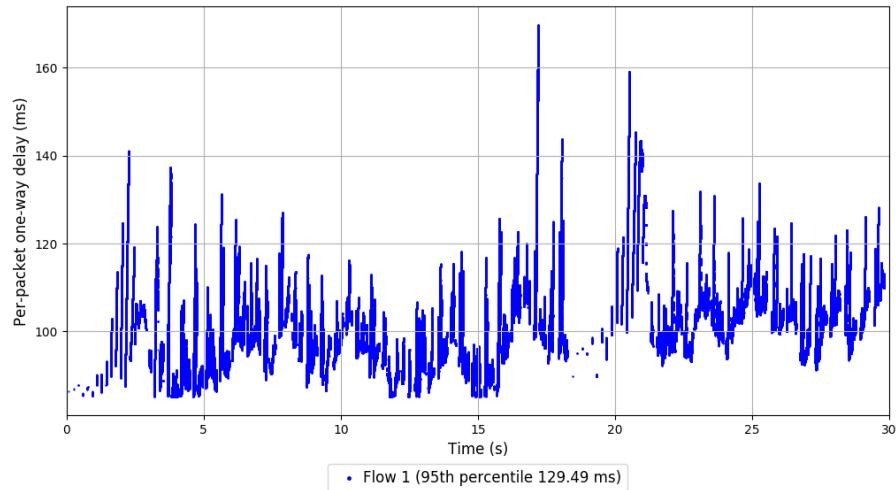
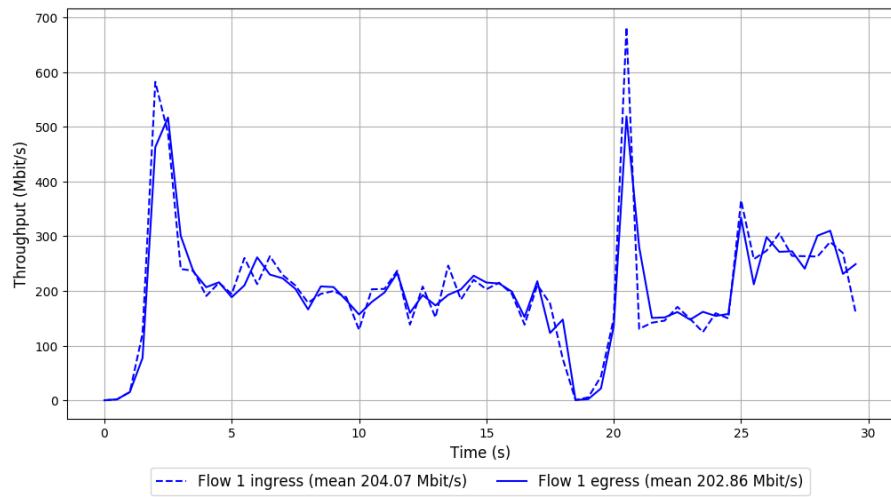


Run 6: Statistics of Verus

```
Start at: 2017-12-05 14:34:35
End at: 2017-12-05 14:35:05
Local clock offset: -0.672 ms
Remote clock offset: -6.217 ms

# Below is generated by plot.py at 2017-12-05 16:47:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.86 Mbit/s
95th percentile per-packet one-way delay: 129.486 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 202.86 Mbit/s
95th percentile per-packet one-way delay: 129.486 ms
Loss rate: 0.50%
```

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

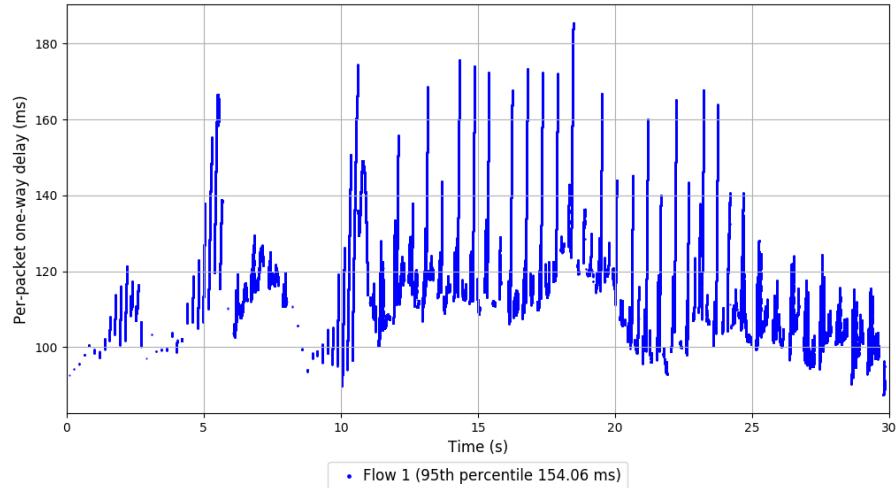
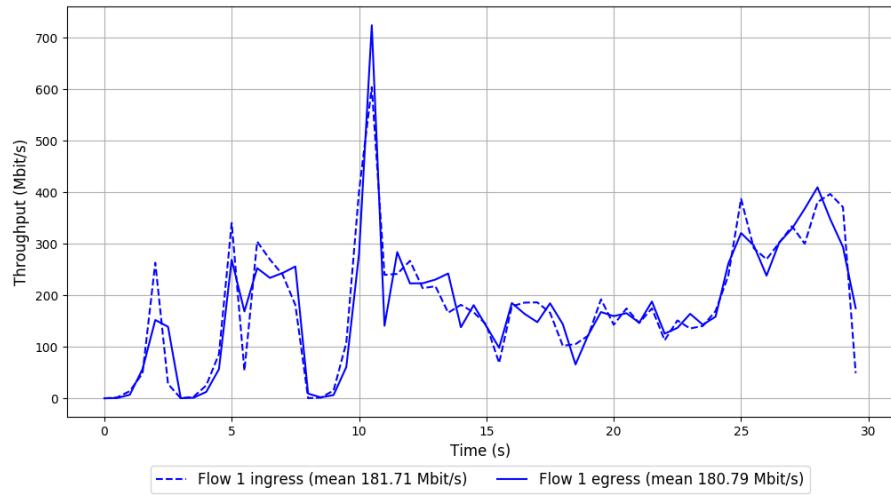


Run 7: Statistics of Verus

```
Start at: 2017-12-05 14:52:23
End at: 2017-12-05 14:52:53
Local clock offset: -0.417 ms
Remote clock offset: -9.877 ms

# Below is generated by plot.py at 2017-12-05 16:47:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 154.064 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 154.064 ms
Loss rate: 0.52%
```

## Run 7: Report of Verus — Data Link

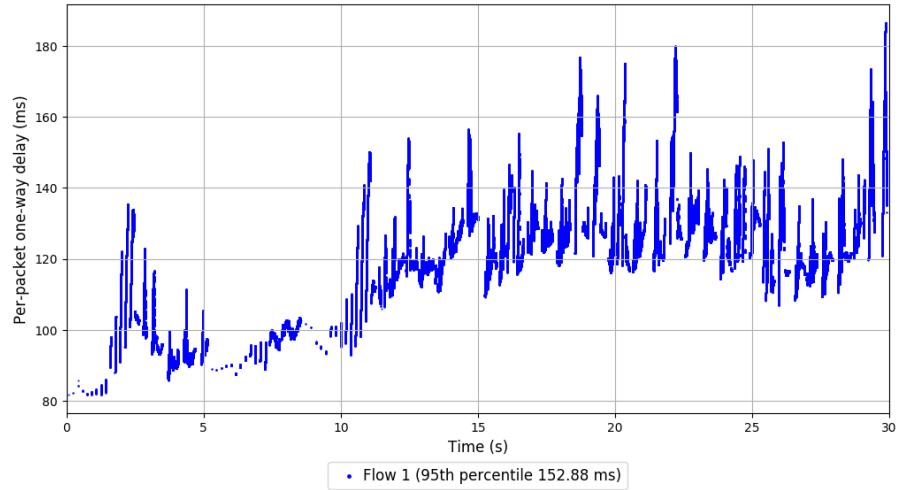
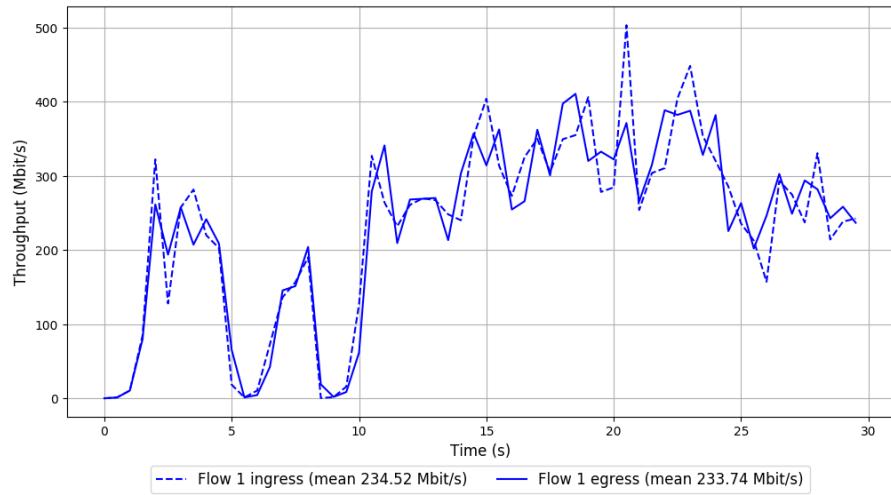


Run 8: Statistics of Verus

```
Start at: 2017-12-05 15:09:58
End at: 2017-12-05 15:10:28
Local clock offset: -0.422 ms
Remote clock offset: -9.588 ms

# Below is generated by plot.py at 2017-12-05 16:47:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.74 Mbit/s
95th percentile per-packet one-way delay: 152.883 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 233.74 Mbit/s
95th percentile per-packet one-way delay: 152.883 ms
Loss rate: 0.16%
```

Run 8: Report of Verus — Data Link

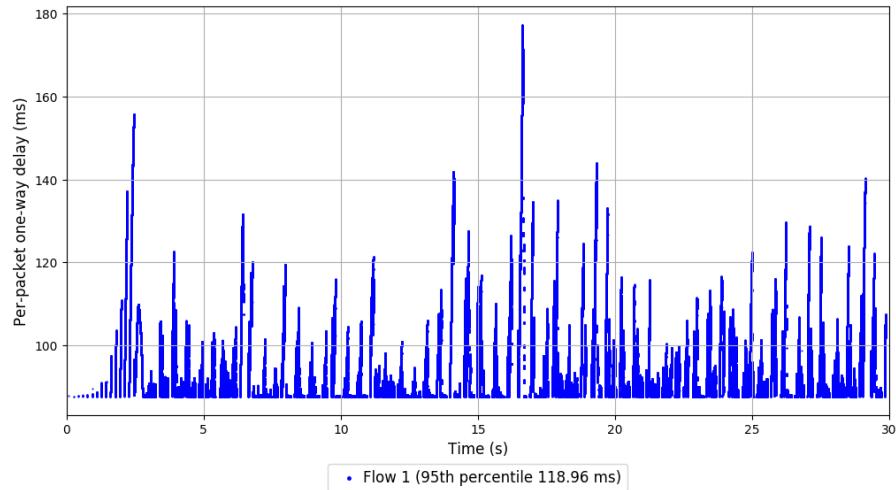
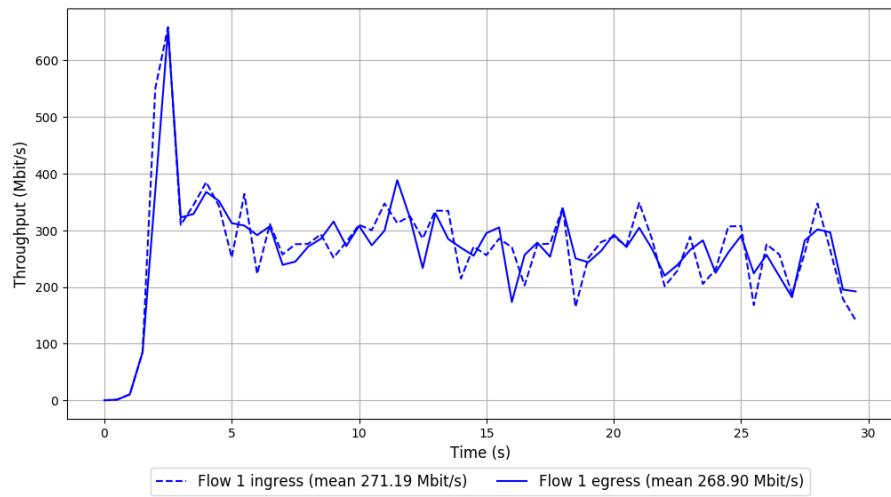


Run 9: Statistics of Verus

```
Start at: 2017-12-05 15:27:48
End at: 2017-12-05 15:28:18
Local clock offset: -0.306 ms
Remote clock offset: -4.36 ms

# Below is generated by plot.py at 2017-12-05 16:48:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 268.90 Mbit/s
95th percentile per-packet one-way delay: 118.960 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 268.90 Mbit/s
95th percentile per-packet one-way delay: 118.960 ms
Loss rate: 0.78%
```

Run 9: Report of Verus — Data Link

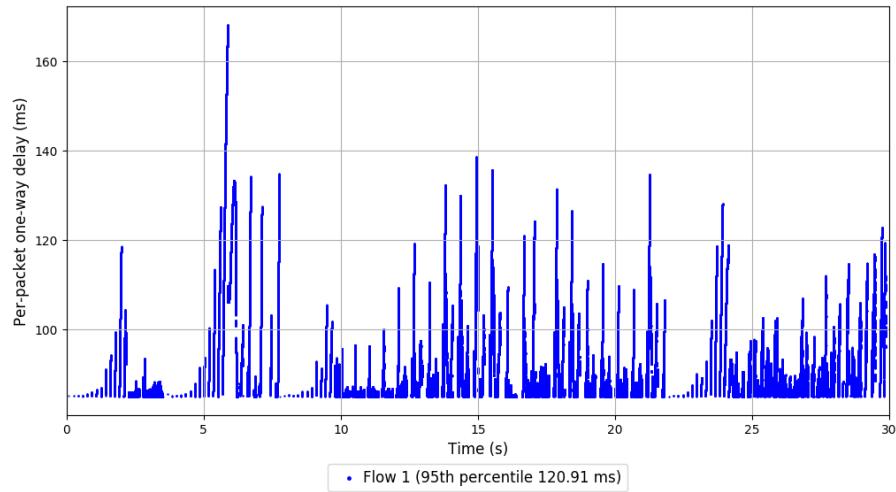
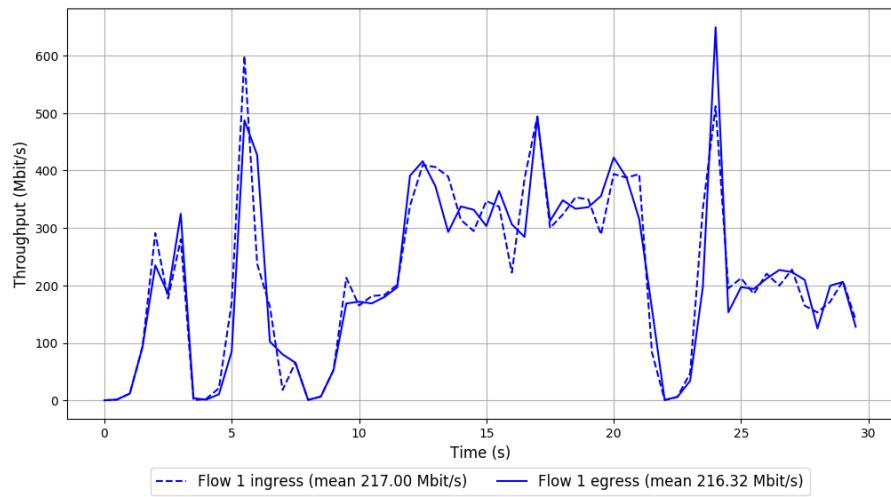


Run 10: Statistics of Verus

```
Start at: 2017-12-05 15:45:44
End at: 2017-12-05 15:46:14
Local clock offset: -0.238 ms
Remote clock offset: -4.522 ms

# Below is generated by plot.py at 2017-12-05 16:48:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.32 Mbit/s
95th percentile per-packet one-way delay: 120.907 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 216.32 Mbit/s
95th percentile per-packet one-way delay: 120.907 ms
Loss rate: 0.31%
```

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

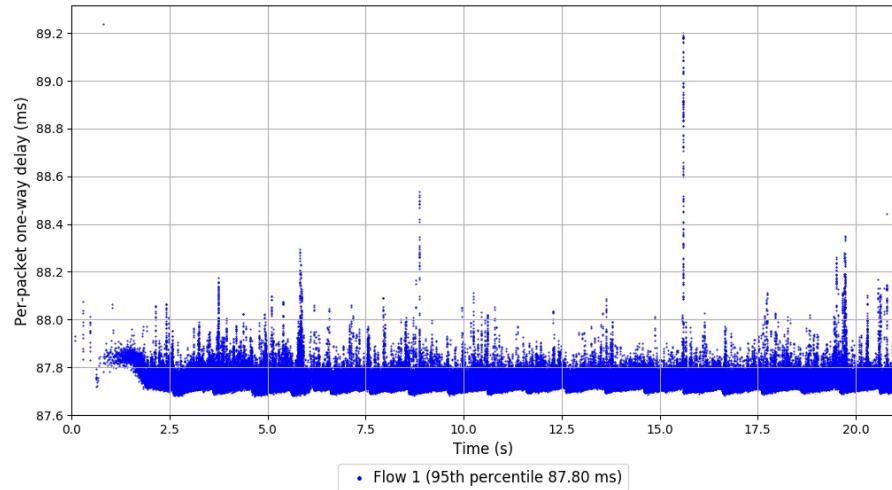
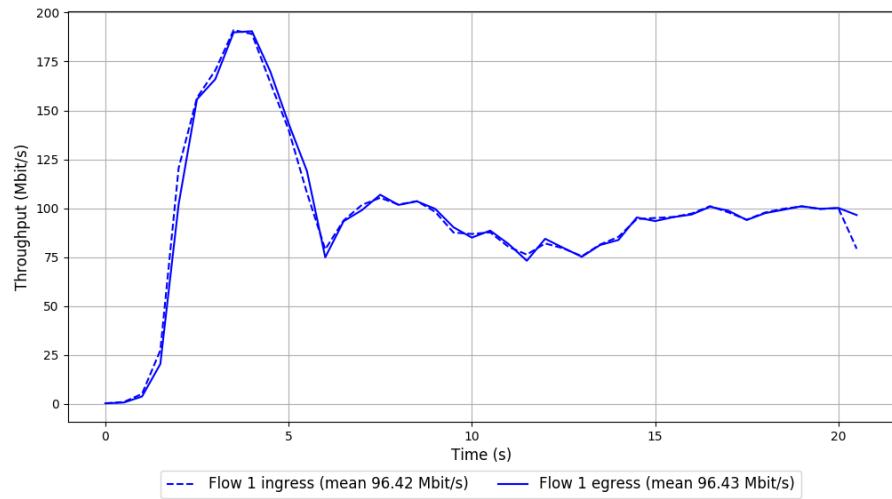
Start at: 2017-12-05 12:55:54

End at: 2017-12-05 12:56:24

Local clock offset: -0.118 ms

Remote clock offset: -1.543 ms

### Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

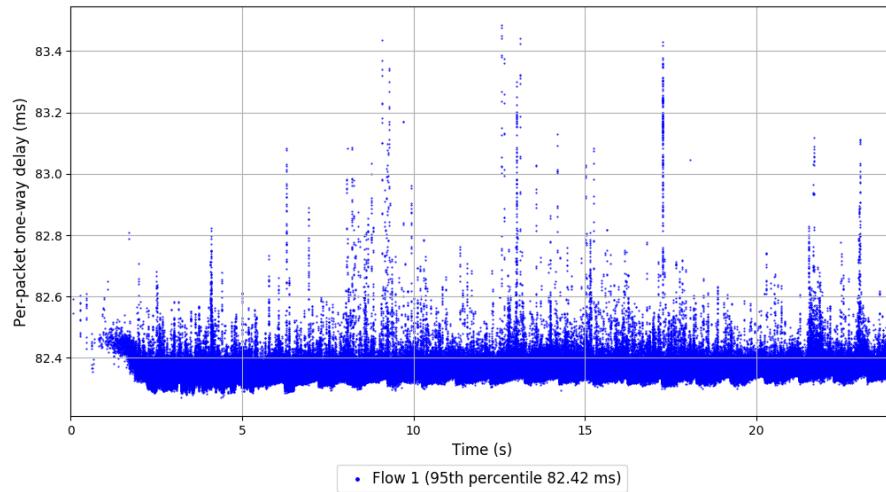
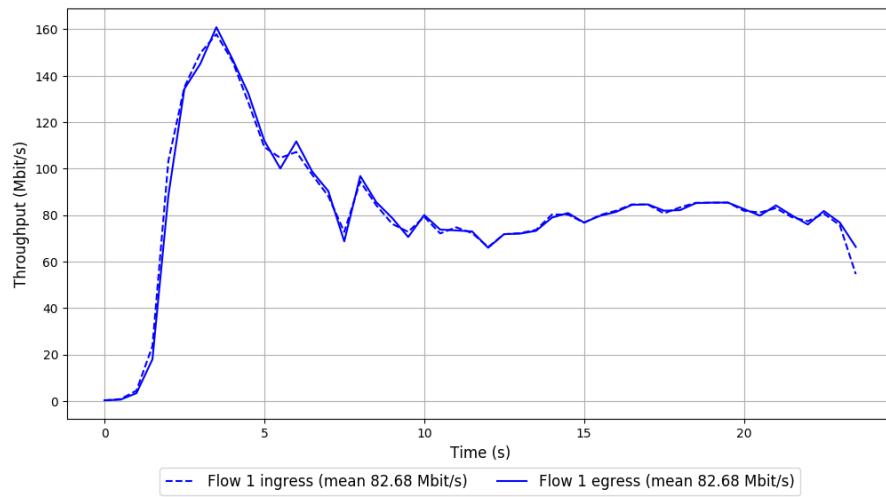
Start at: 2017-12-05 13:14:00

End at: 2017-12-05 13:14:30

Local clock offset: -0.285 ms

Remote clock offset: -7.144 ms

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-12-05 13:32:12

End at: 2017-12-05 13:32:42

Local clock offset: -0.418 ms

Remote clock offset: -8.929 ms

Run 3: Report of Copa — Data Link

Figure is missing

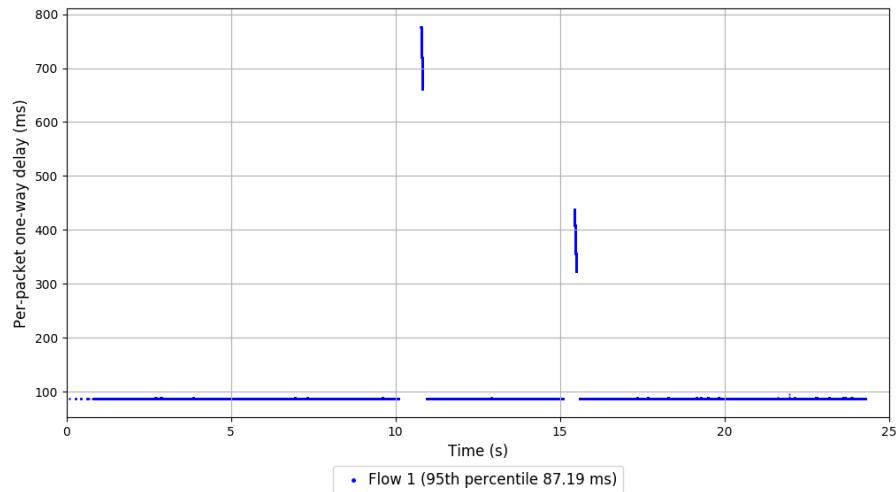
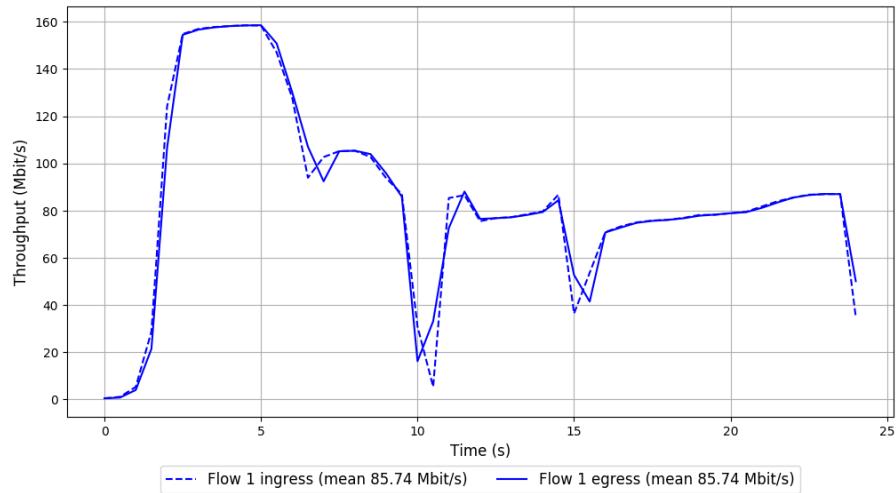
Figure is missing

Run 4: Statistics of Copa

```
Start at: 2017-12-05 13:50:05
End at: 2017-12-05 13:50:35
Local clock offset: -0.586 ms
Remote clock offset: -2.981 ms

# Below is generated by plot.py at 2017-12-05 16:48:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 87.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 87.185 ms
Loss rate: 0.00%
```

### Run 4: Report of Copa — Data Link

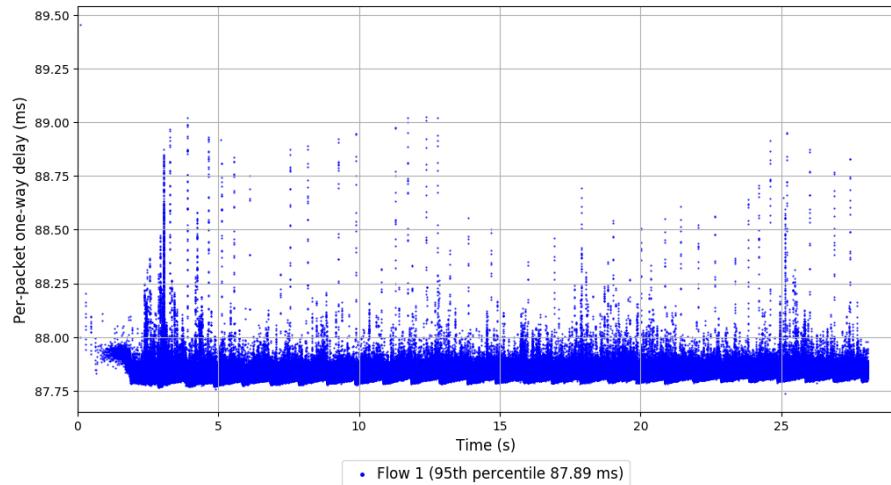
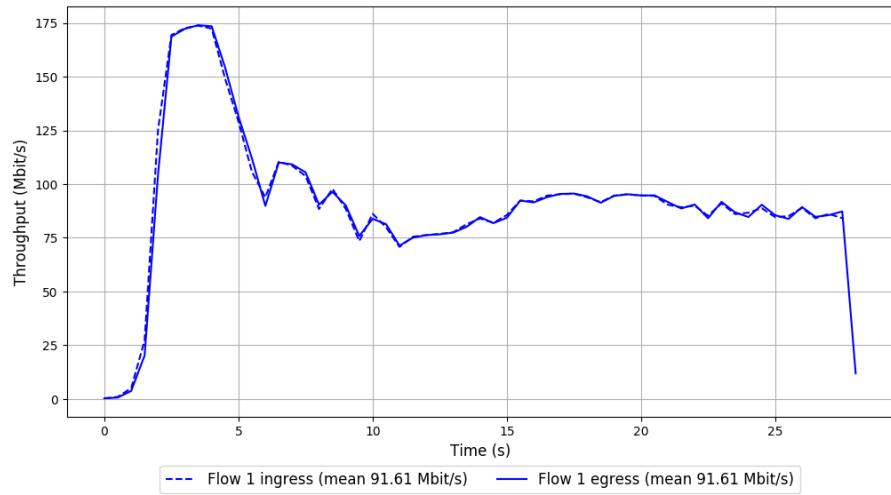


Run 5: Statistics of Copa

```
Start at: 2017-12-05 14:07:58
End at: 2017-12-05 14:08:28
Local clock offset: -0.692 ms
Remote clock offset: -4.4 ms

# Below is generated by plot.py at 2017-12-05 16:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 87.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 87.895 ms
Loss rate: 0.00%
```

### Run 5: Report of Copa — Data Link

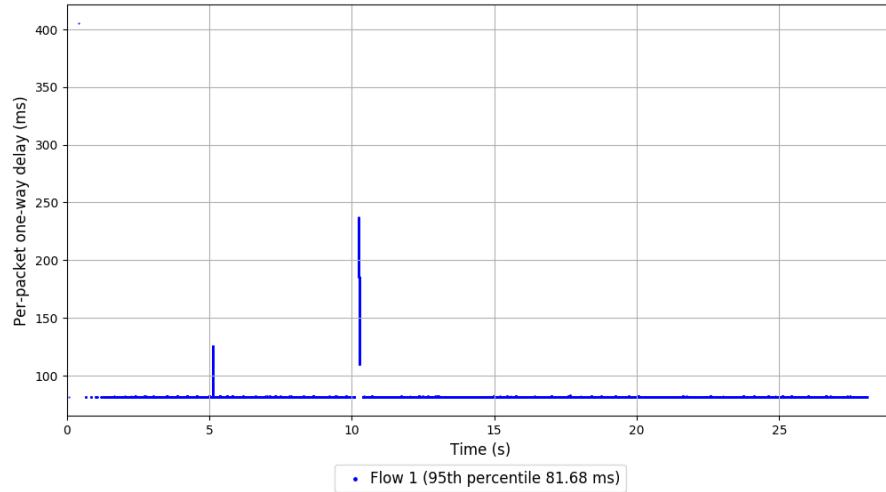
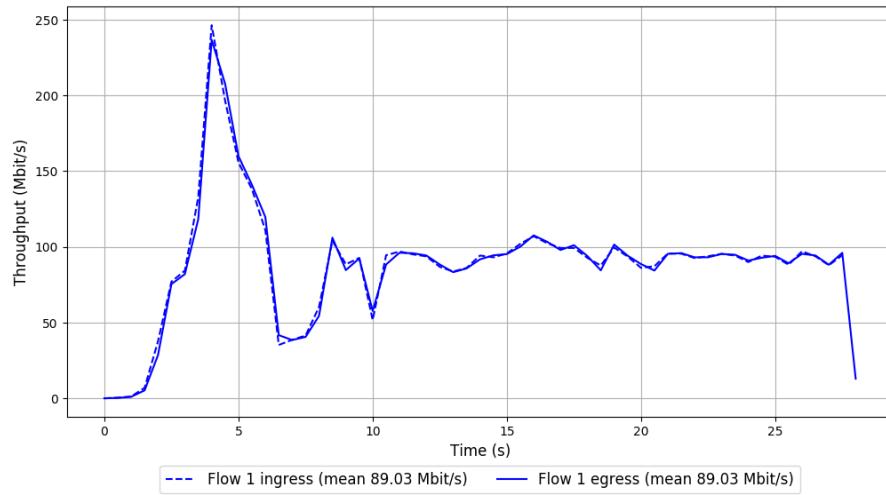


Run 6: Statistics of Copa

```
Start at: 2017-12-05 14:25:53
End at: 2017-12-05 14:26:23
Local clock offset: -0.693 ms
Remote clock offset: -10.638 ms

# Below is generated by plot.py at 2017-12-05 16:48:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 81.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 81.684 ms
Loss rate: 0.00%
```

### Run 6: Report of Copa — Data Link

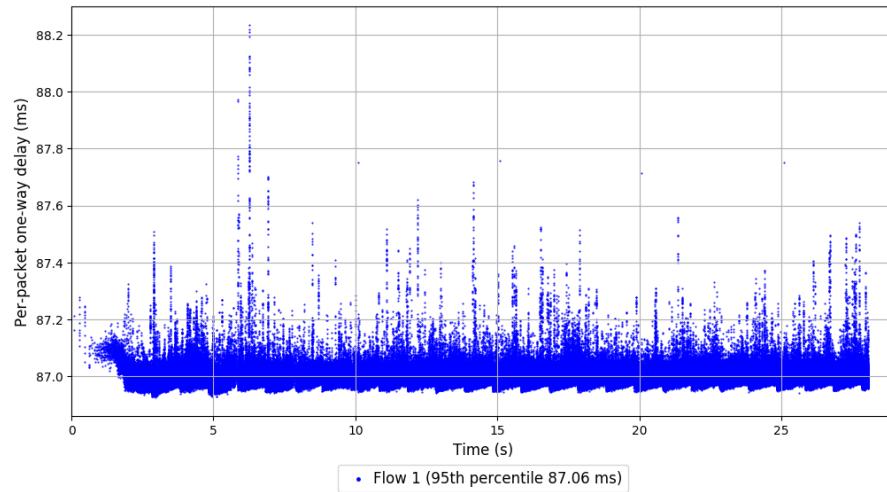
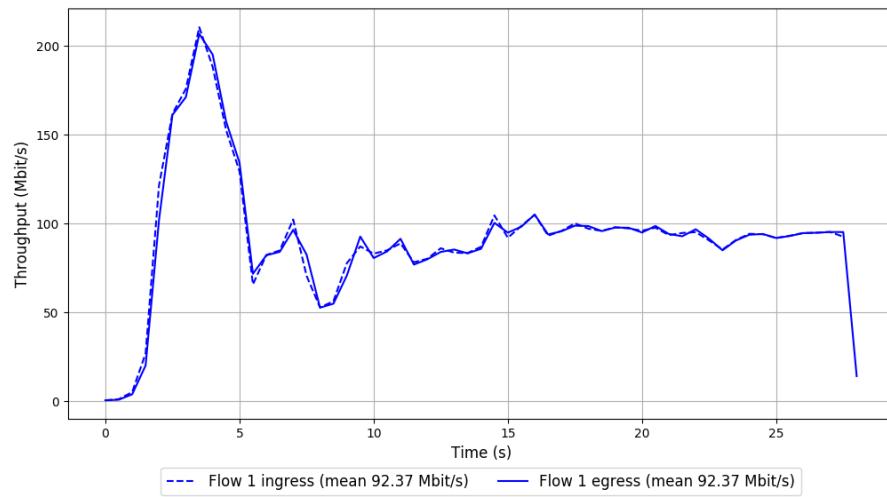


Run 7: Statistics of Copa

```
Start at: 2017-12-05 14:43:39
End at: 2017-12-05 14:44:09
Local clock offset: -0.516 ms
Remote clock offset: -6.061 ms

# Below is generated by plot.py at 2017-12-05 16:49:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 87.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 87.057 ms
Loss rate: 0.00%
```

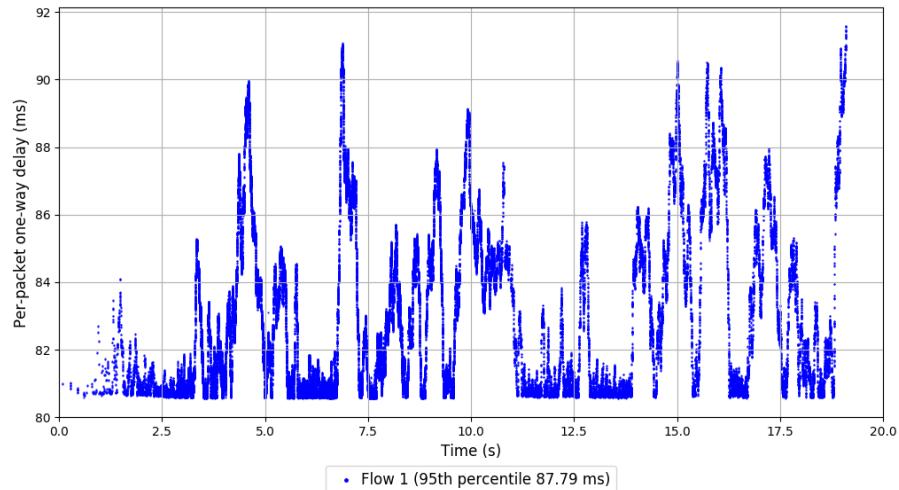
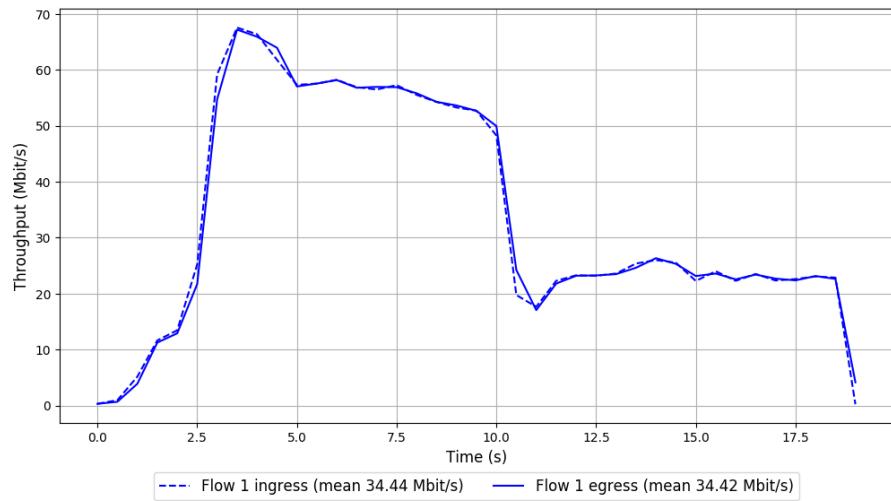
Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-12-05 15:01:31  
End at: 2017-12-05 15:02:01  
Local clock offset: -0.408 ms  
Remote clock offset: -10.603 ms

### Run 8: Report of Copa — Data Link

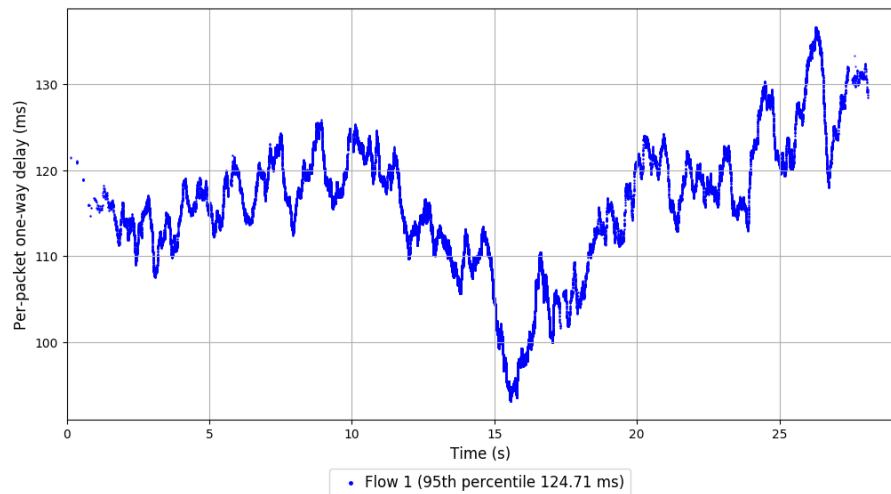
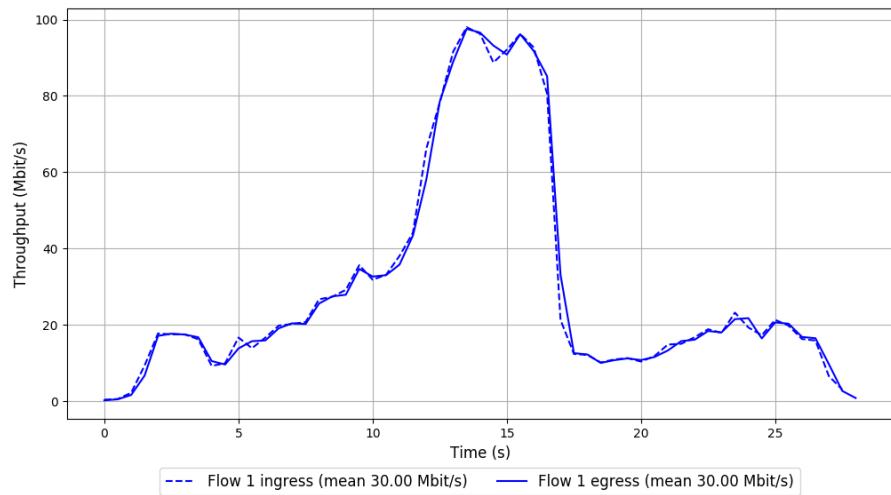


Run 9: Statistics of Copa

```
Start at: 2017-12-05 15:19:08
End at: 2017-12-05 15:19:38
Local clock offset: -0.33 ms
Remote clock offset: -4.321 ms

# Below is generated by plot.py at 2017-12-05 16:49:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 124.712 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 124.712 ms
Loss rate: 0.01%
```

Run 9: Report of Copa — Data Link

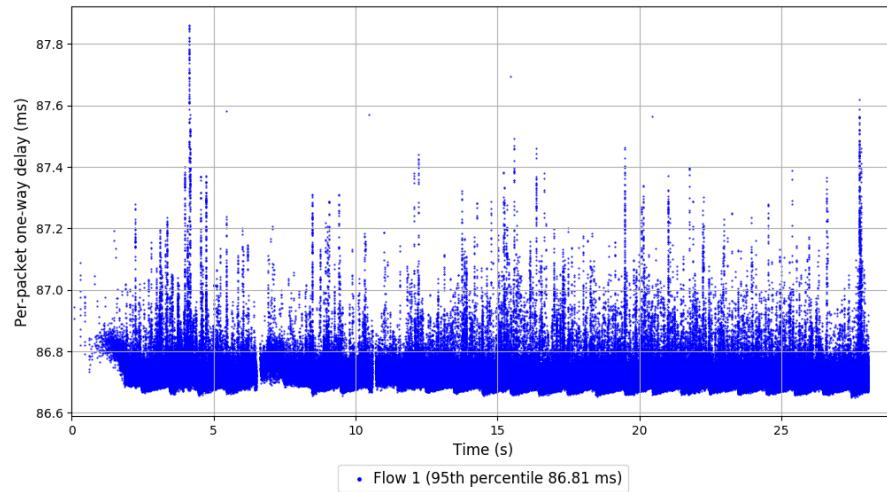
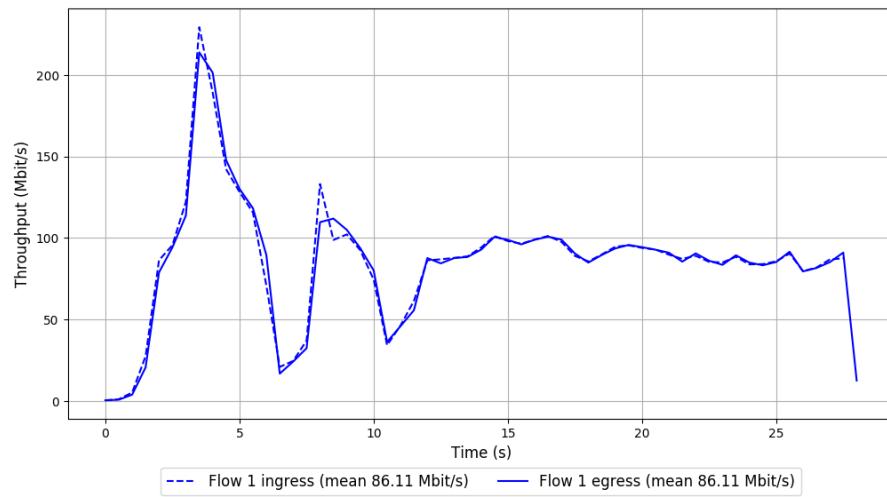


Run 10: Statistics of Copa

```
Start at: 2017-12-05 15:37:00
End at: 2017-12-05 15:37:30
Local clock offset: -0.28 ms
Remote clock offset: -5.197 ms

# Below is generated by plot.py at 2017-12-05 16:49:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 86.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 86.811 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

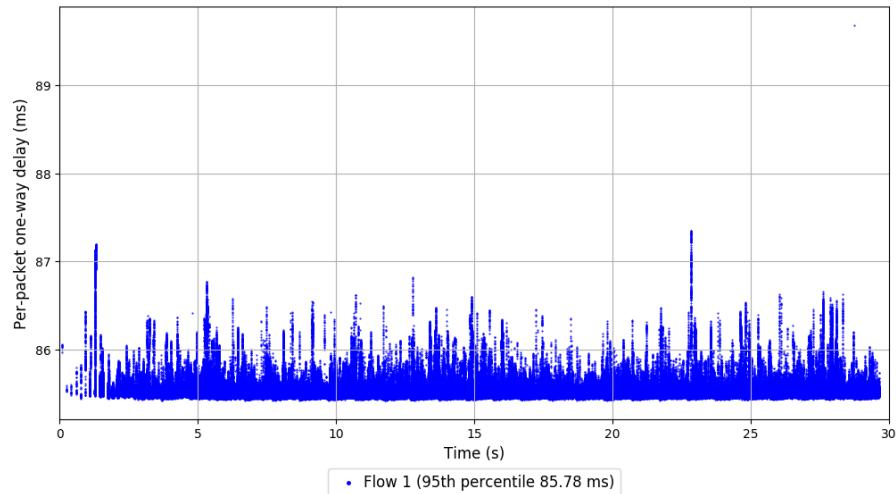
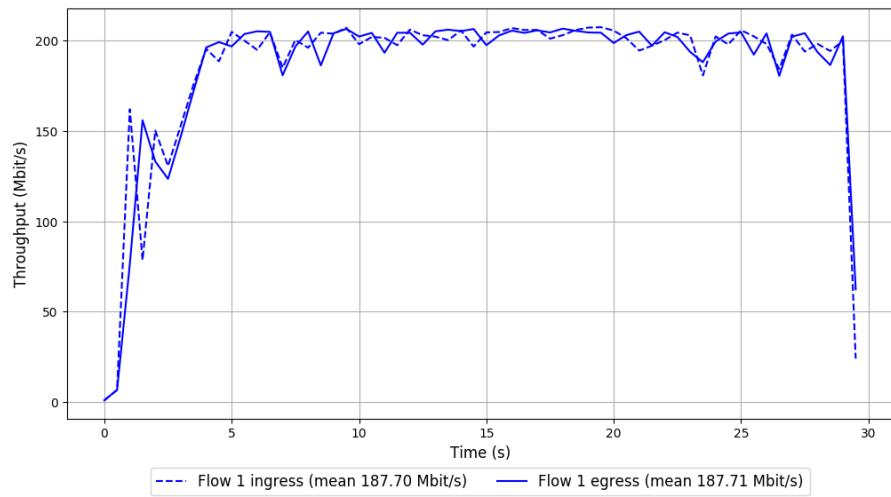


Run 1: Statistics of Indigo

```
Start at: 2017-12-05 12:59:36
End at: 2017-12-05 13:00:06
Local clock offset: -0.158 ms
Remote clock offset: -1.909 ms

# Below is generated by plot.py at 2017-12-05 16:50:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.71 Mbit/s
95th percentile per-packet one-way delay: 85.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.71 Mbit/s
95th percentile per-packet one-way delay: 85.779 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

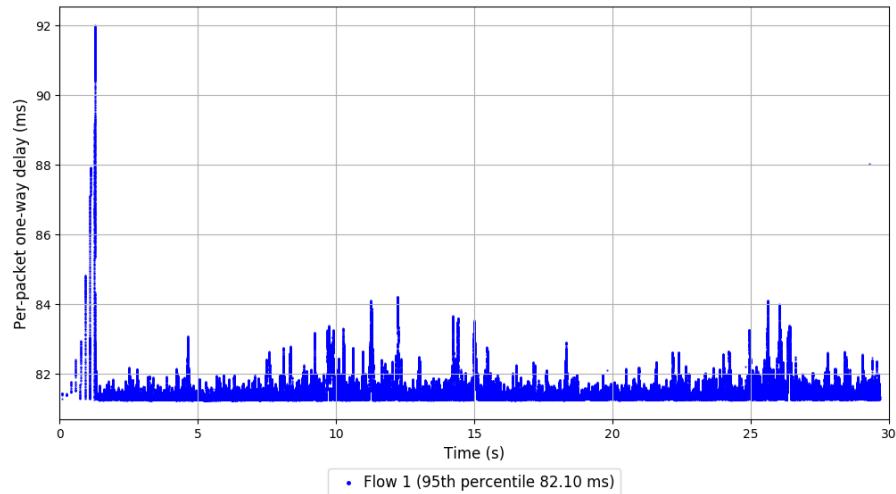
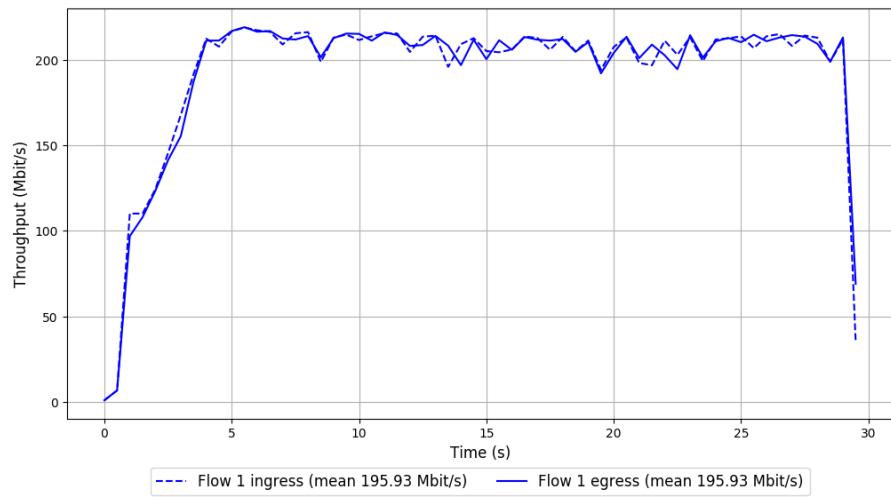


Run 2: Statistics of Indigo

```
Start at: 2017-12-05 13:17:47
End at: 2017-12-05 13:18:17
Local clock offset: -0.341 ms
Remote clock offset: -6.988 ms

# Below is generated by plot.py at 2017-12-05 16:51:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.93 Mbit/s
95th percentile per-packet one-way delay: 82.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.93 Mbit/s
95th percentile per-packet one-way delay: 82.104 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

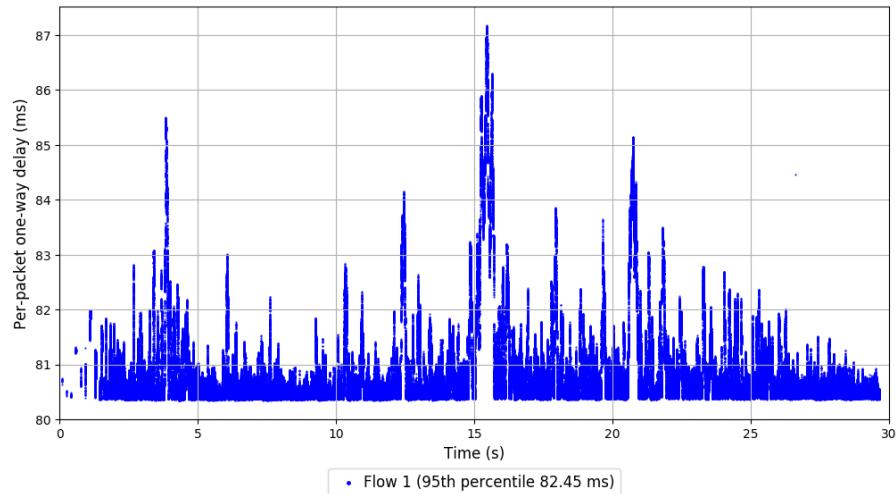
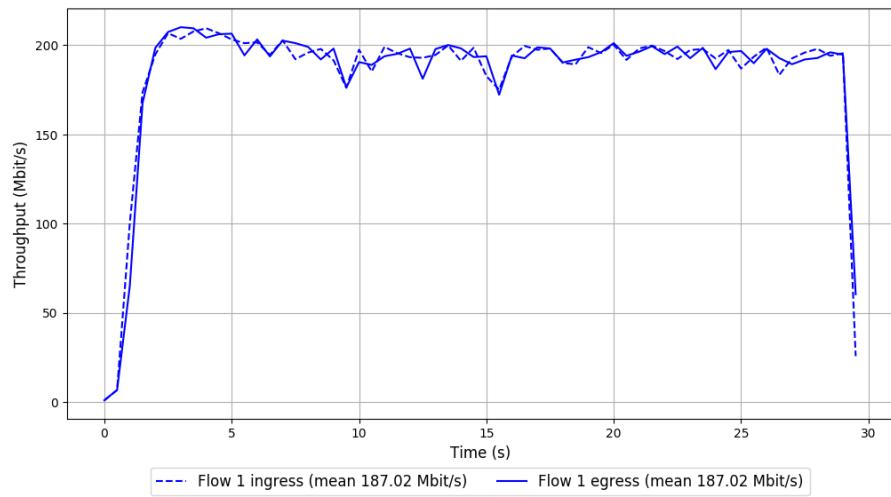


Run 3: Statistics of Indigo

```
Start at: 2017-12-05 13:35:50
End at: 2017-12-05 13:36:20
Local clock offset: -0.445 ms
Remote clock offset: -8.822 ms

# Below is generated by plot.py at 2017-12-05 16:51:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.02 Mbit/s
95th percentile per-packet one-way delay: 82.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.02 Mbit/s
95th percentile per-packet one-way delay: 82.453 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

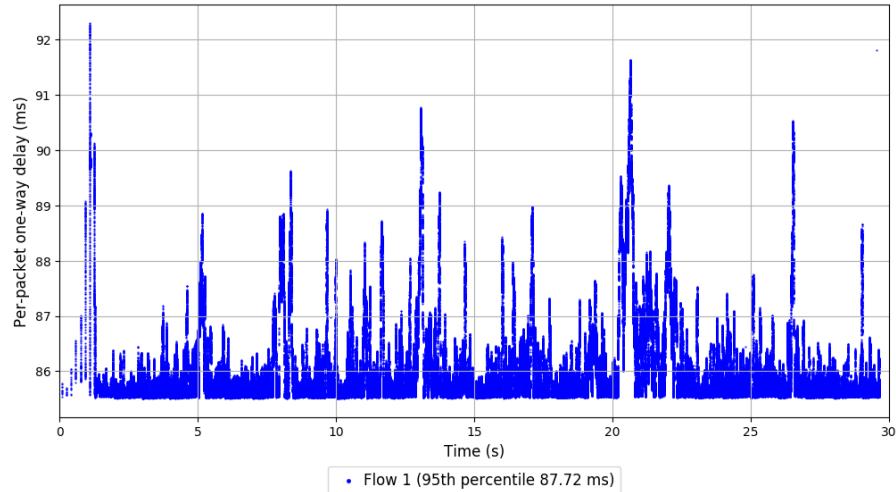
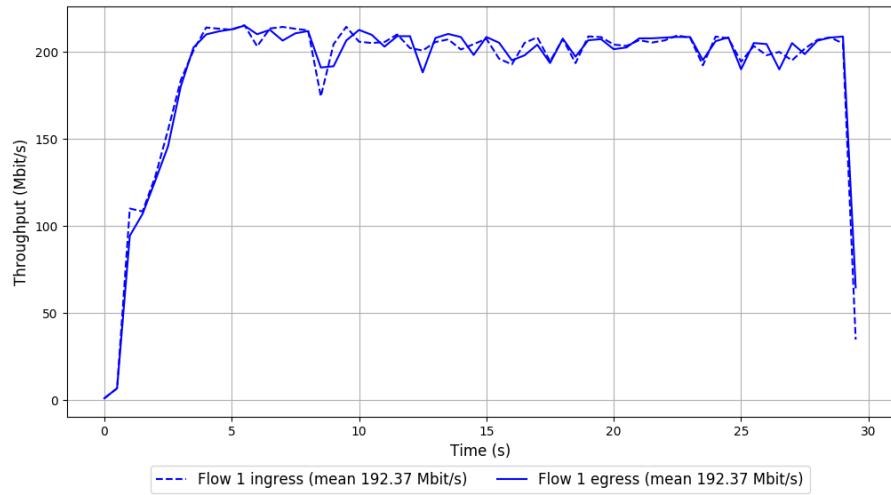


Run 4: Statistics of Indigo

```
Start at: 2017-12-05 13:53:49
End at: 2017-12-05 13:54:19
Local clock offset: -0.609 ms
Remote clock offset: -4.216 ms

# Below is generated by plot.py at 2017-12-05 16:51:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.37 Mbit/s
95th percentile per-packet one-way delay: 87.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.37 Mbit/s
95th percentile per-packet one-way delay: 87.716 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

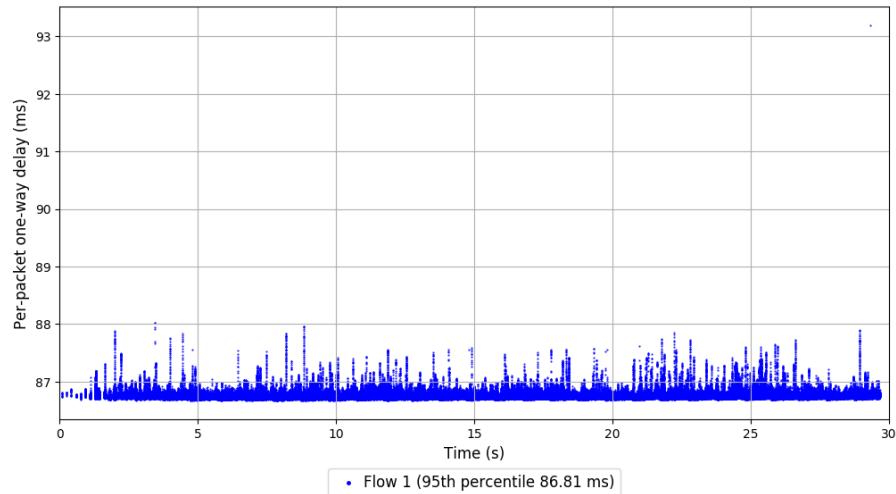
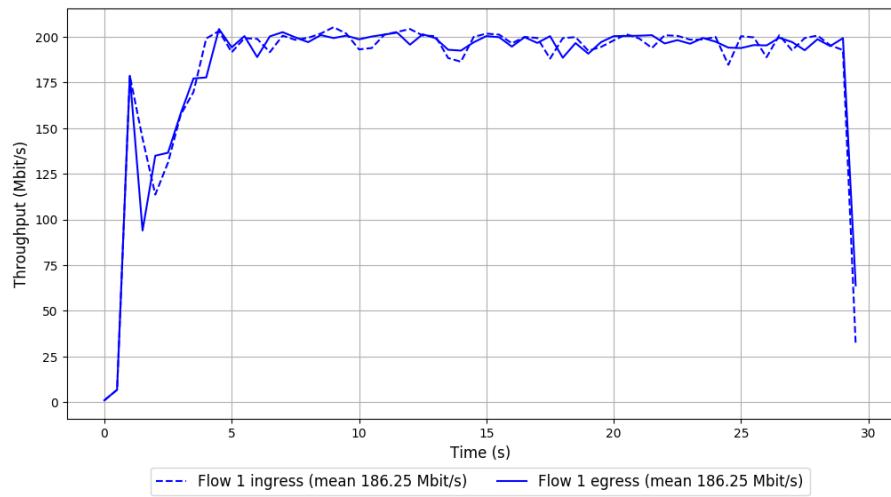


Run 5: Statistics of Indigo

```
Start at: 2017-12-05 14:11:41
End at: 2017-12-05 14:12:11
Local clock offset: -0.637 ms
Remote clock offset: -5.631 ms

# Below is generated by plot.py at 2017-12-05 16:51:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.25 Mbit/s
95th percentile per-packet one-way delay: 86.810 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.25 Mbit/s
95th percentile per-packet one-way delay: 86.810 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link

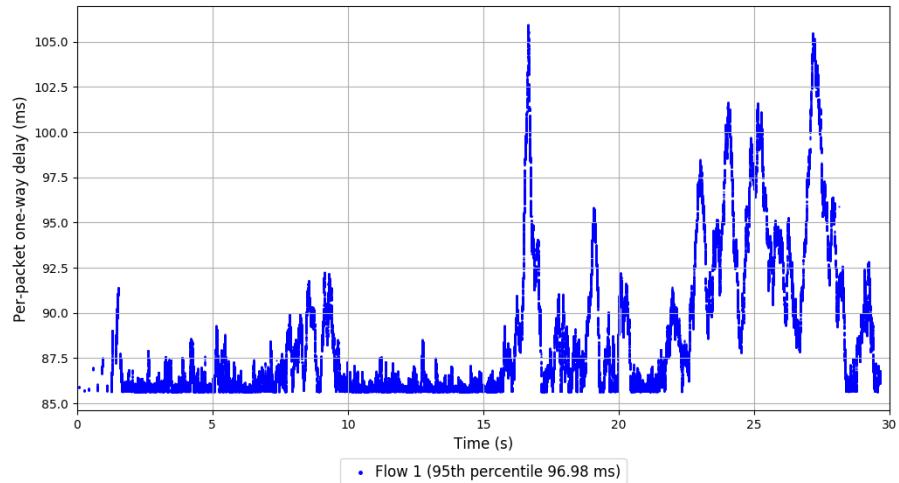
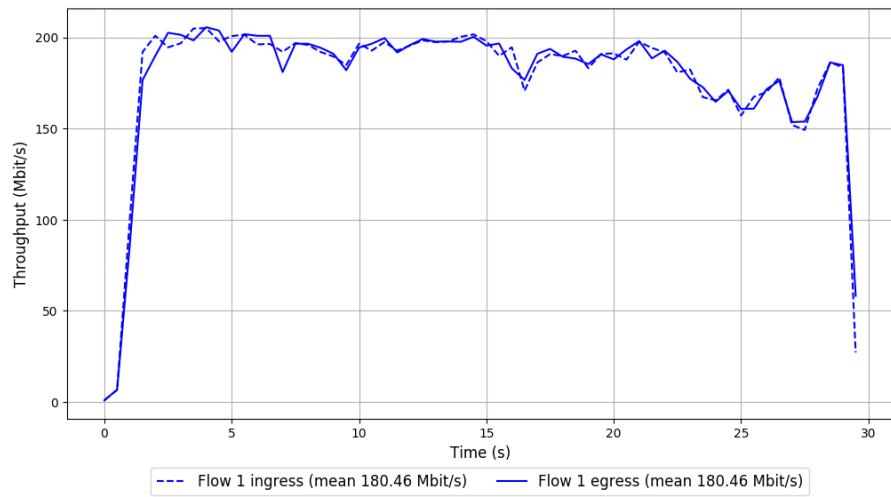


Run 6: Statistics of Indigo

```
Start at: 2017-12-05 14:29:39
End at: 2017-12-05 14:30:09
Local clock offset: -0.637 ms
Remote clock offset: -5.308 ms

# Below is generated by plot.py at 2017-12-05 16:51:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.46 Mbit/s
95th percentile per-packet one-way delay: 96.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.46 Mbit/s
95th percentile per-packet one-way delay: 96.984 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-12-05 14:47:26

End at: 2017-12-05 14:47:56

Local clock offset: -0.476 ms

Remote clock offset: -9.801 ms

# Below is generated by plot.py at 2017-12-05 16:52:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 178.34 Mbit/s

95th percentile per-packet one-way delay: 91.560 ms

Loss rate: 0.00%

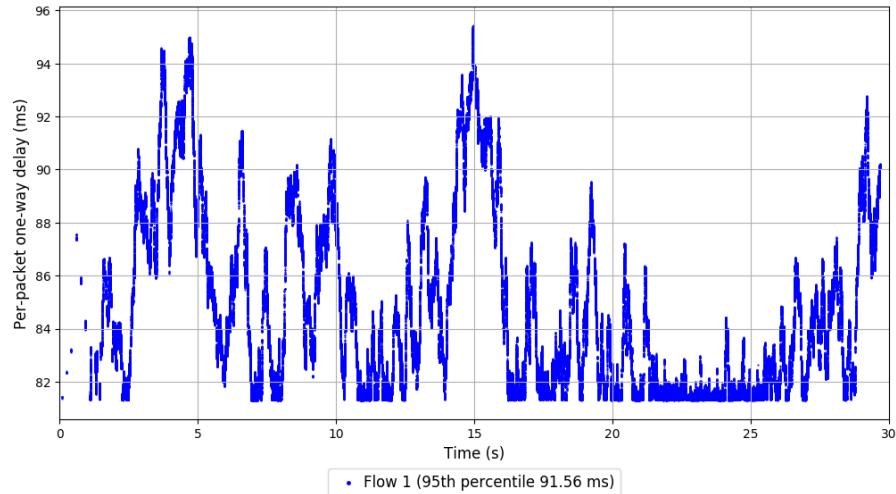
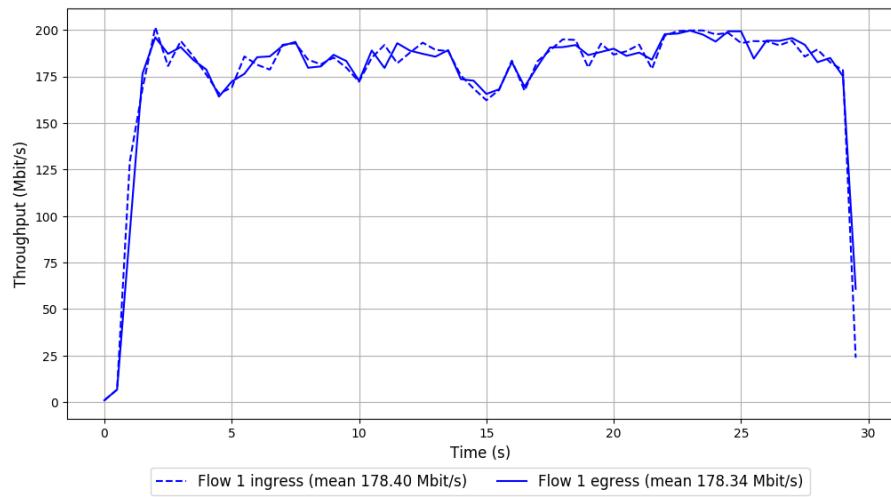
-- Flow 1:

Average throughput: 178.34 Mbit/s

95th percentile per-packet one-way delay: 91.560 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

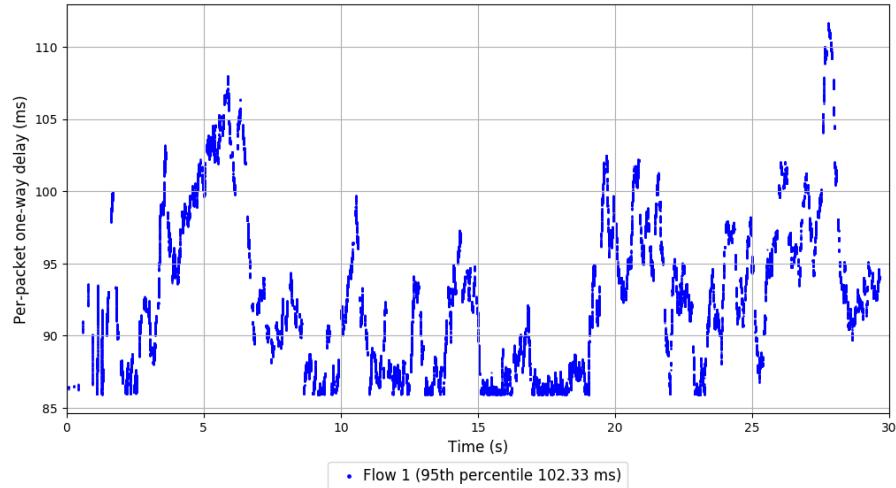
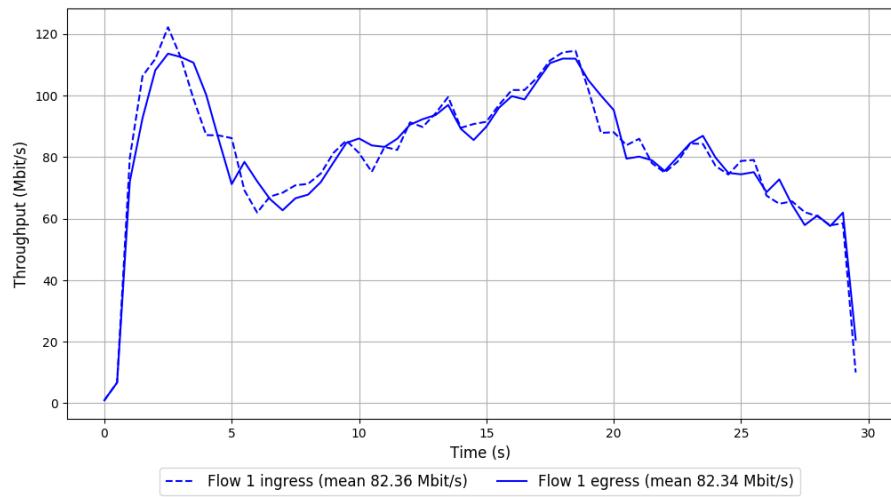


Run 8: Statistics of Indigo

```
Start at: 2017-12-05 15:05:06
End at: 2017-12-05 15:05:36
Local clock offset: -0.378 ms
Remote clock offset: -5.093 ms

# Below is generated by plot.py at 2017-12-05 16:52:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 102.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 102.328 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

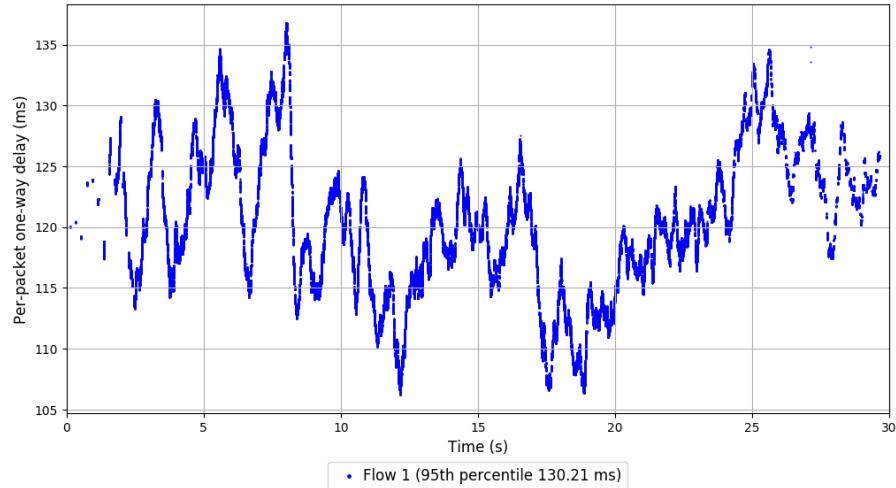
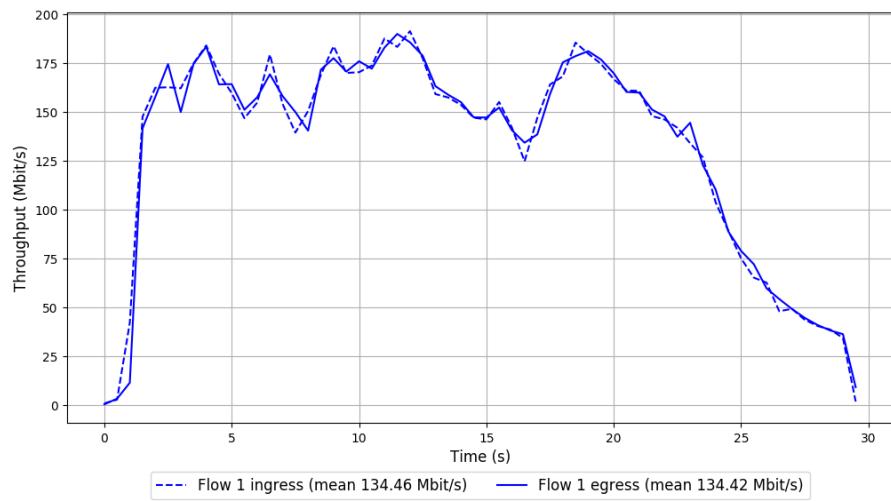


Run 9: Statistics of Indigo

```
Start at: 2017-12-05 15:22:50
End at: 2017-12-05 15:23:20
Local clock offset: -0.388 ms
Remote clock offset: -5.412 ms

# Below is generated by plot.py at 2017-12-05 16:52:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.42 Mbit/s
95th percentile per-packet one-way delay: 130.211 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 134.42 Mbit/s
95th percentile per-packet one-way delay: 130.211 ms
Loss rate: 0.01%
```

Run 9: Report of Indigo — Data Link

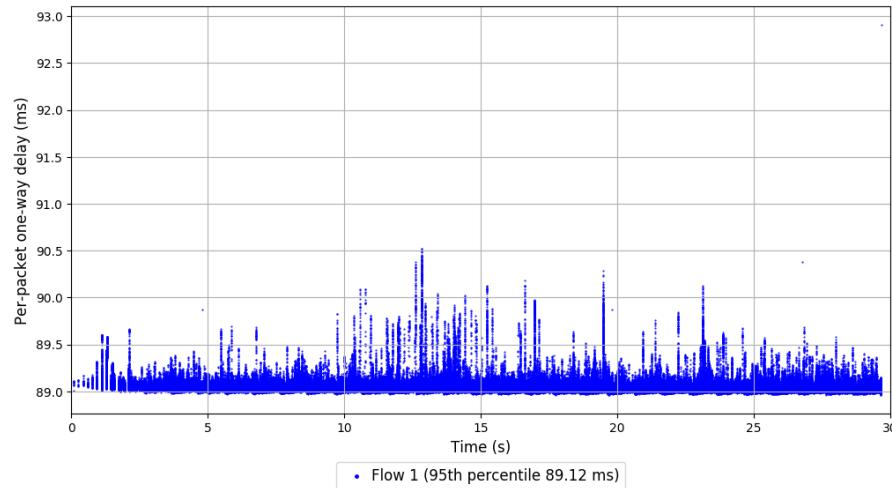
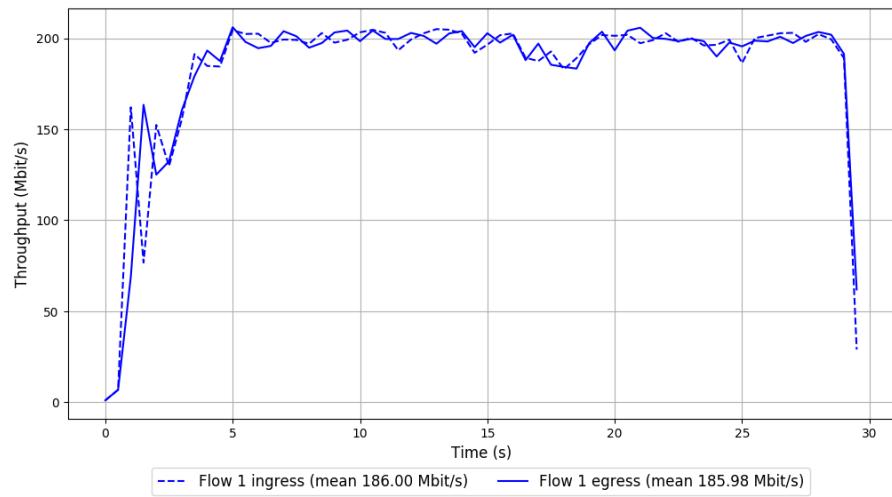


Run 10: Statistics of Indigo

```
Start at: 2017-12-05 15:40:46
End at: 2017-12-05 15:41:16
Local clock offset: -0.339 ms
Remote clock offset: -2.712 ms

# Below is generated by plot.py at 2017-12-05 16:53:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.98 Mbit/s
95th percentile per-packet one-way delay: 89.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.98 Mbit/s
95th percentile per-packet one-way delay: 89.118 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

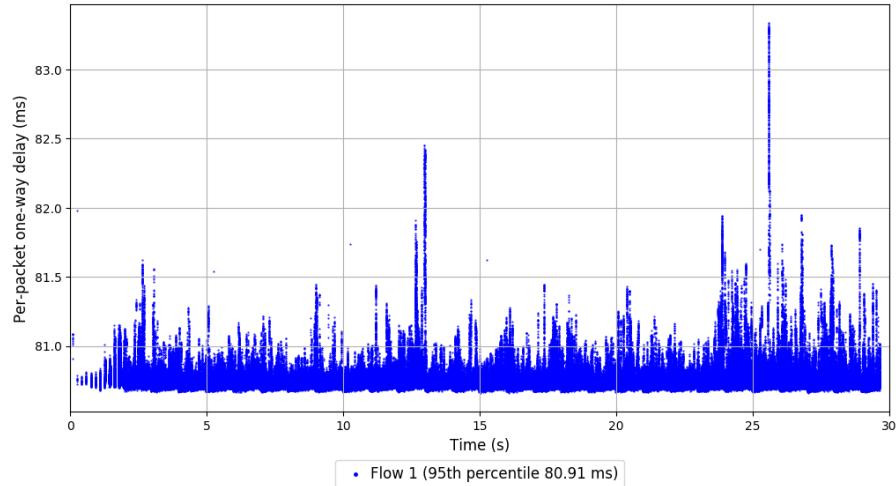
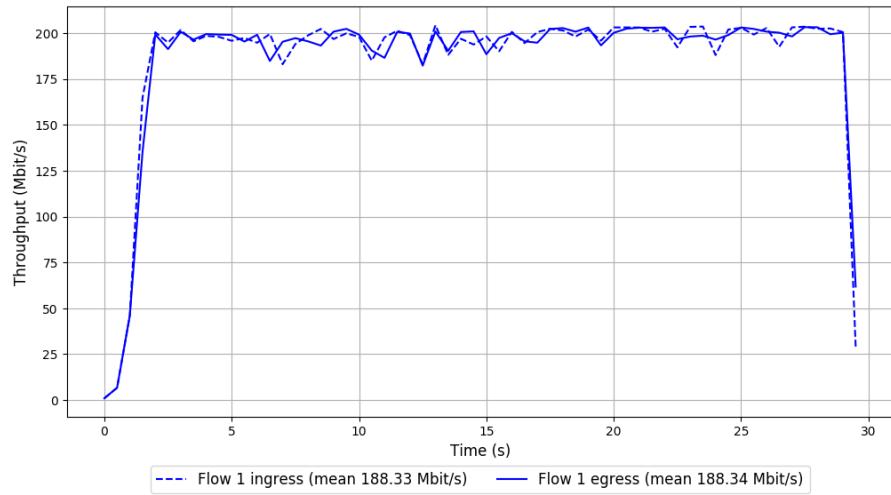


Run 1: Statistics of Indigo-calib

```
Start at: 2017-12-05 12:53:19
End at: 2017-12-05 12:53:49
Local clock offset: -0.063 ms
Remote clock offset: -6.726 ms

# Below is generated by plot.py at 2017-12-05 16:53:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.34 Mbit/s
95th percentile per-packet one-way delay: 80.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.34 Mbit/s
95th percentile per-packet one-way delay: 80.908 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

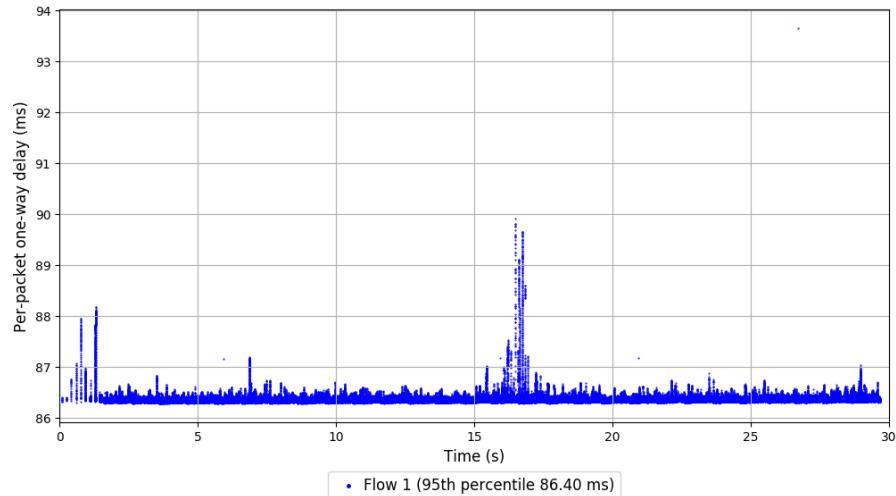
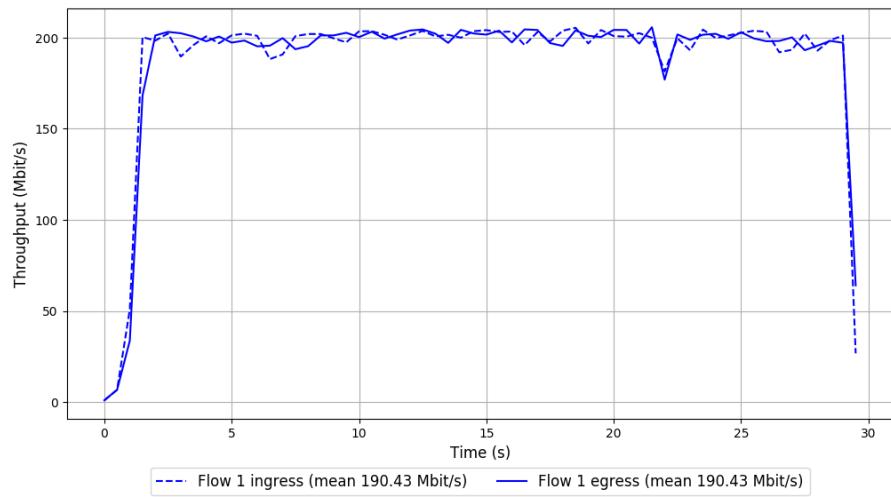


Run 2: Statistics of Indigo-calib

```
Start at: 2017-12-05 13:11:26
End at: 2017-12-05 13:11:56
Local clock offset: -0.329 ms
Remote clock offset: -3.045 ms

# Below is generated by plot.py at 2017-12-05 16:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.43 Mbit/s
95th percentile per-packet one-way delay: 86.404 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 190.43 Mbit/s
95th percentile per-packet one-way delay: 86.404 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-calib — Data Link

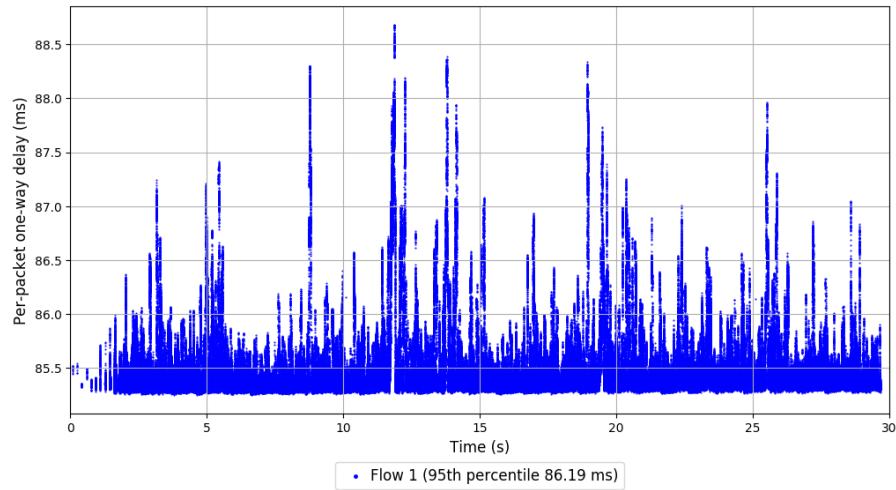
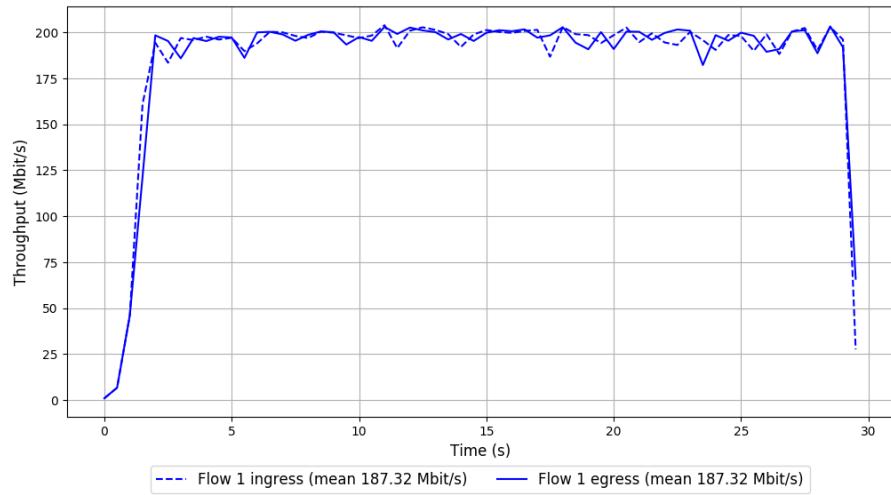


Run 3: Statistics of Indigo-calib

```
Start at: 2017-12-05 13:29:33
End at: 2017-12-05 13:30:03
Local clock offset: -0.401 ms
Remote clock offset: -3.089 ms

# Below is generated by plot.py at 2017-12-05 16:54:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.32 Mbit/s
95th percentile per-packet one-way delay: 86.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.32 Mbit/s
95th percentile per-packet one-way delay: 86.193 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-calib — Data Link

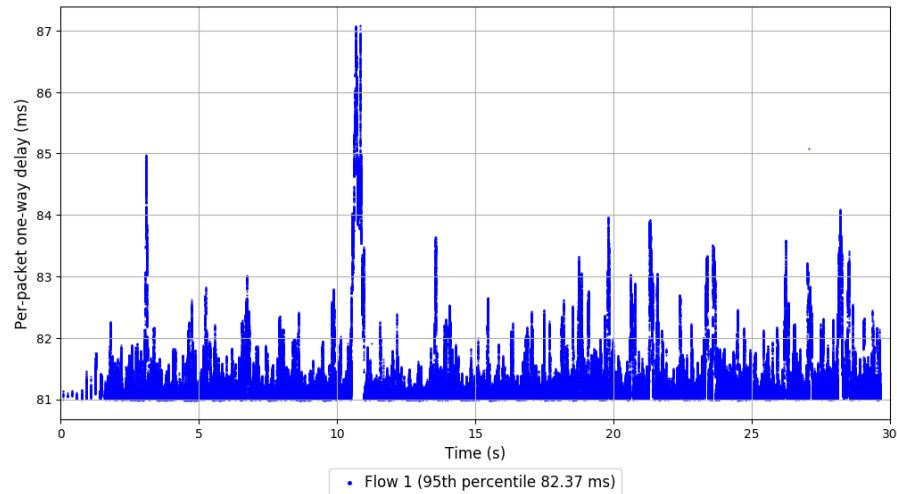
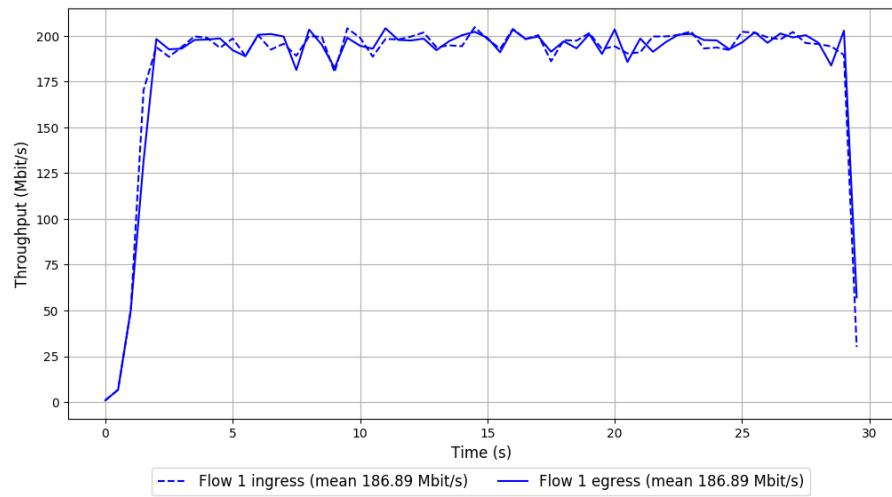


Run 4: Statistics of Indigo-calib

```
Start at: 2017-12-05 13:47:32
End at: 2017-12-05 13:48:02
Local clock offset: -0.641 ms
Remote clock offset: -8.542 ms

# Below is generated by plot.py at 2017-12-05 16:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.89 Mbit/s
95th percentile per-packet one-way delay: 82.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.89 Mbit/s
95th percentile per-packet one-way delay: 82.369 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-calib — Data Link

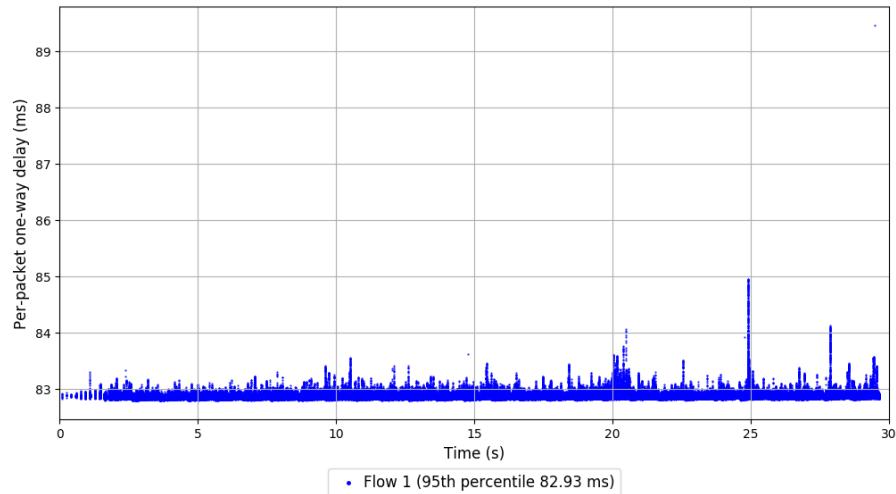
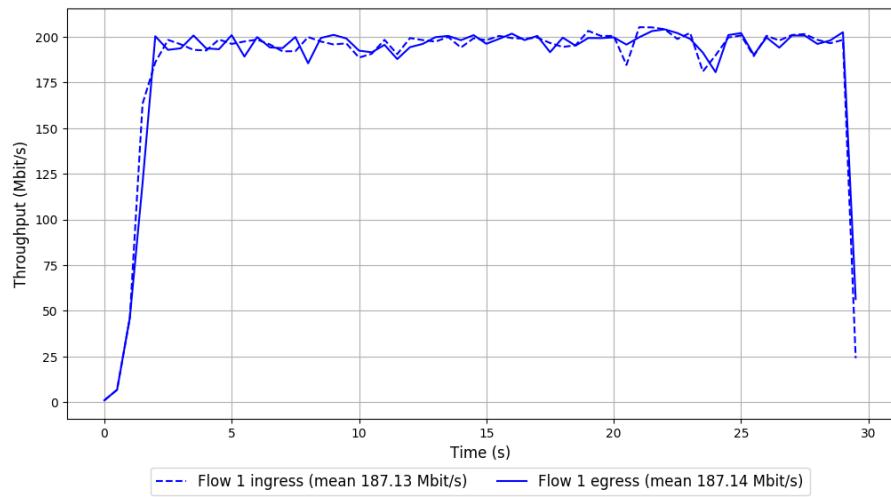


Run 5: Statistics of Indigo-calib

```
Start at: 2017-12-05 14:05:27
End at: 2017-12-05 14:05:57
Local clock offset: -0.628 ms
Remote clock offset: -9.007 ms

# Below is generated by plot.py at 2017-12-05 16:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.14 Mbit/s
95th percentile per-packet one-way delay: 82.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.14 Mbit/s
95th percentile per-packet one-way delay: 82.929 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-calib — Data Link

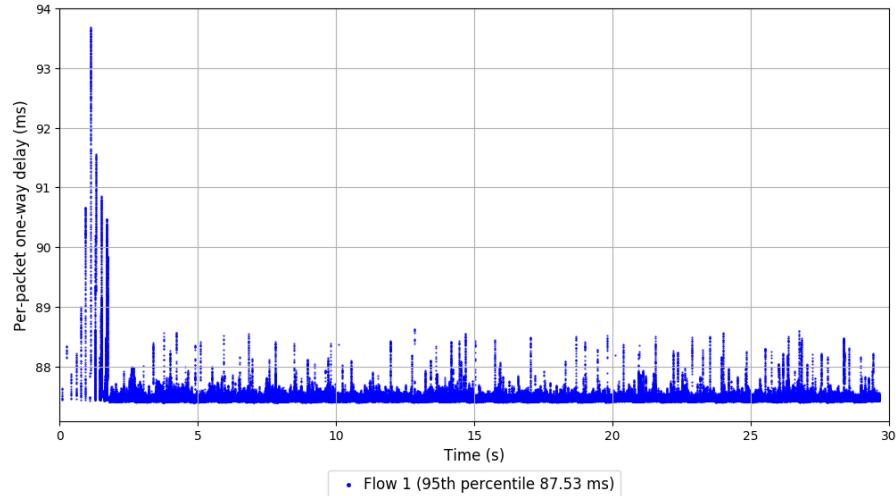
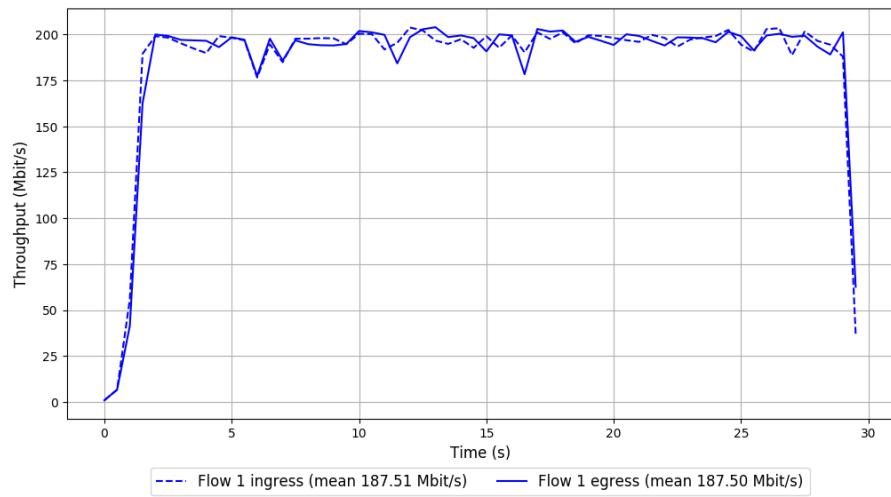


Run 6: Statistics of Indigo-calib

```
Start at: 2017-12-05 14:23:22
End at: 2017-12-05 14:23:52
Local clock offset: -0.636 ms
Remote clock offset: -5.782 ms

# Below is generated by plot.py at 2017-12-05 16:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.50 Mbit/s
95th percentile per-packet one-way delay: 87.530 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.50 Mbit/s
95th percentile per-packet one-way delay: 87.530 ms
Loss rate: 0.01%
```

Run 6: Report of Indigo-calib — Data Link

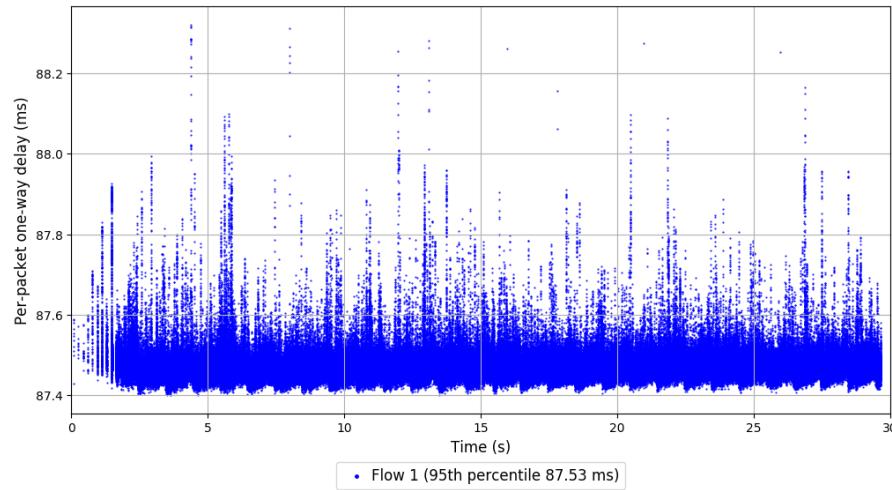
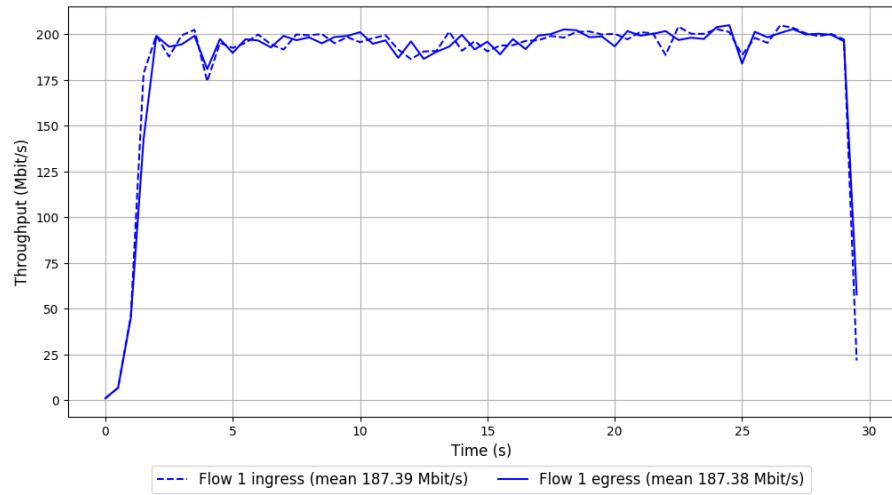


Run 7: Statistics of Indigo-calib

```
Start at: 2017-12-05 14:41:08
End at: 2017-12-05 14:41:38
Local clock offset: -0.525 ms
Remote clock offset: -5.555 ms

# Below is generated by plot.py at 2017-12-05 16:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.38 Mbit/s
95th percentile per-packet one-way delay: 87.529 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.38 Mbit/s
95th percentile per-packet one-way delay: 87.529 ms
Loss rate: 0.01%
```

Run 7: Report of Indigo-calib — Data Link

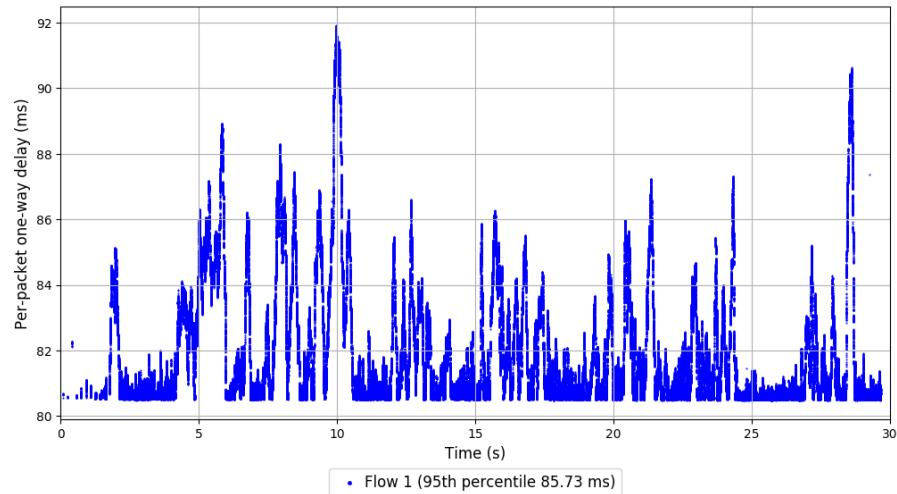
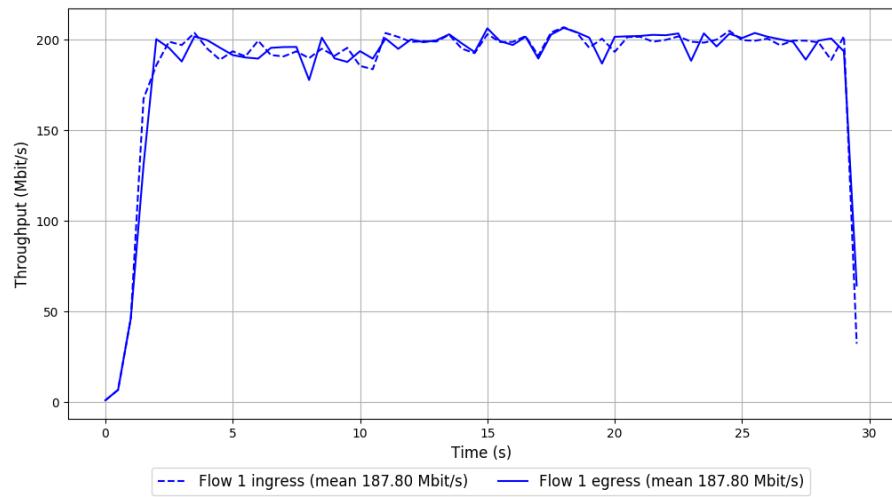


Run 8: Statistics of Indigo-calib

```
Start at: 2017-12-05 14:58:59
End at: 2017-12-05 14:59:29
Local clock offset: -0.478 ms
Remote clock offset: -11.073 ms

# Below is generated by plot.py at 2017-12-05 16:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.80 Mbit/s
95th percentile per-packet one-way delay: 85.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.80 Mbit/s
95th percentile per-packet one-way delay: 85.729 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo-calib — Data Link

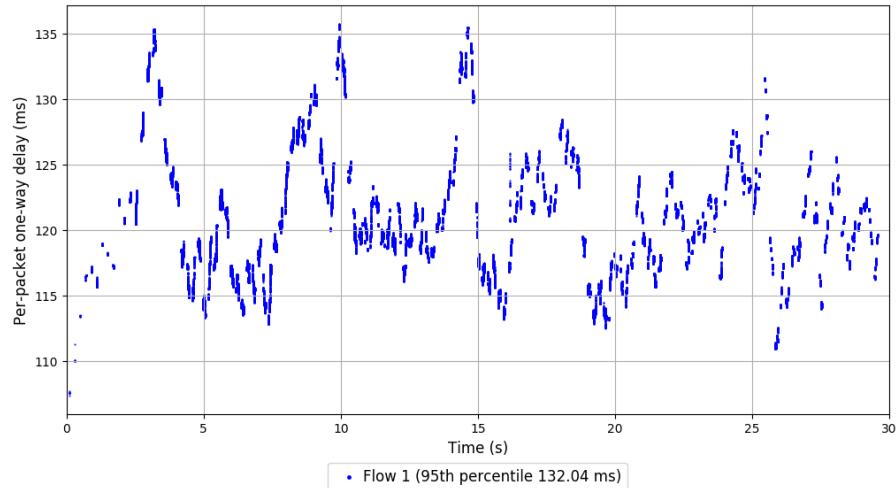
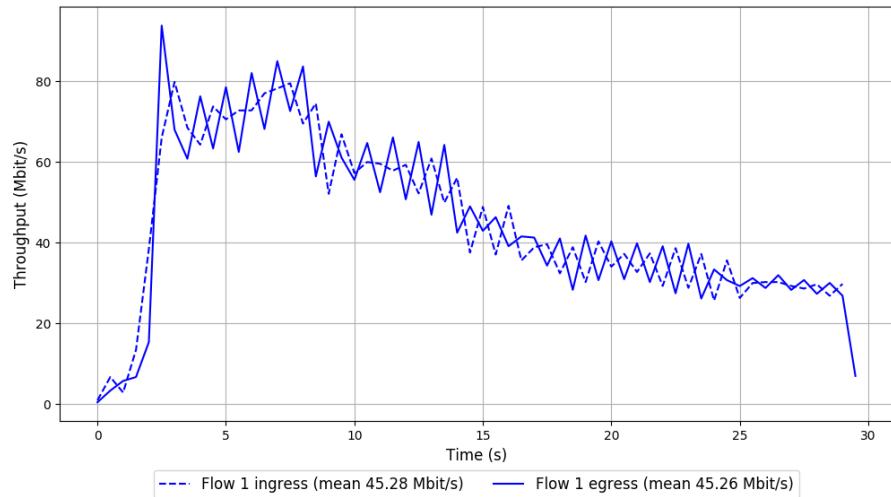


Run 9: Statistics of Indigo-calib

```
Start at: 2017-12-05 15:16:42
End at: 2017-12-05 15:17:12
Local clock offset: -0.351 ms
Remote clock offset: -4.461 ms

# Below is generated by plot.py at 2017-12-05 16:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 132.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 132.036 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

```
Start at: 2017-12-05 15:34:25
End at: 2017-12-05 15:34:55
Local clock offset: -0.266 ms
Remote clock offset: -3.704 ms

# Below is generated by plot.py at 2017-12-05 16:54:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.90 Mbit/s
95th percentile per-packet one-way delay: 88.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.90 Mbit/s
95th percentile per-packet one-way delay: 88.346 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-calib — Data Link

