

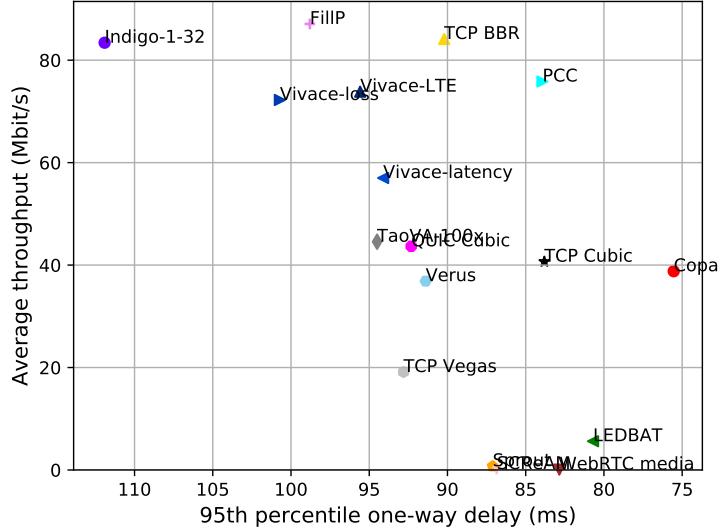
## Pantheon Report

Generated at 2018-04-10 17:32:54 (UTC).  
Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).  
Repeated the test of 17 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).  
NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

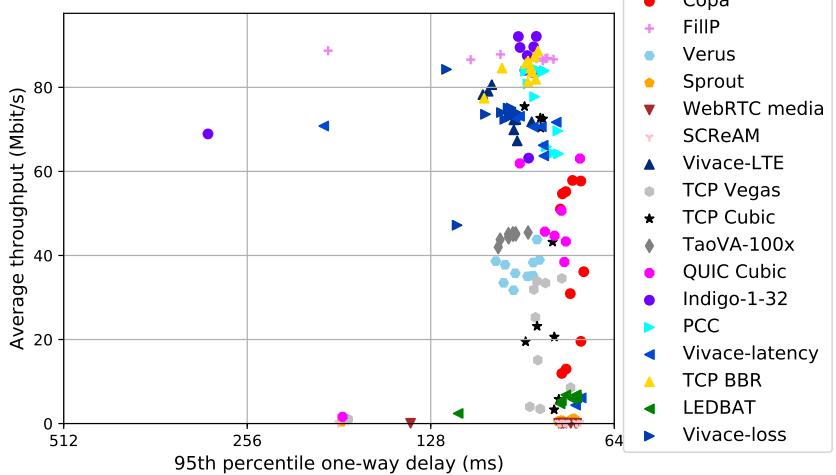
Git summary:  
branch: master @ eb420b5be9bafcc22cf68b99ff5a2000462fc59  
third\_party/calibrated\_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50  
M datagrump/sender.cc  
third\_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44  
third\_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2  
third\_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9  
third\_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d  
third\_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third\_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f  
third\_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89  
third\_party/koho\_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681  
M datagrump/sender.cc  
third\_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf  
third\_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993  
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681  
third\_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third\_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp  
M tools/plot.py  
third\_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3  
third\_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581

test from China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)

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test from China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme



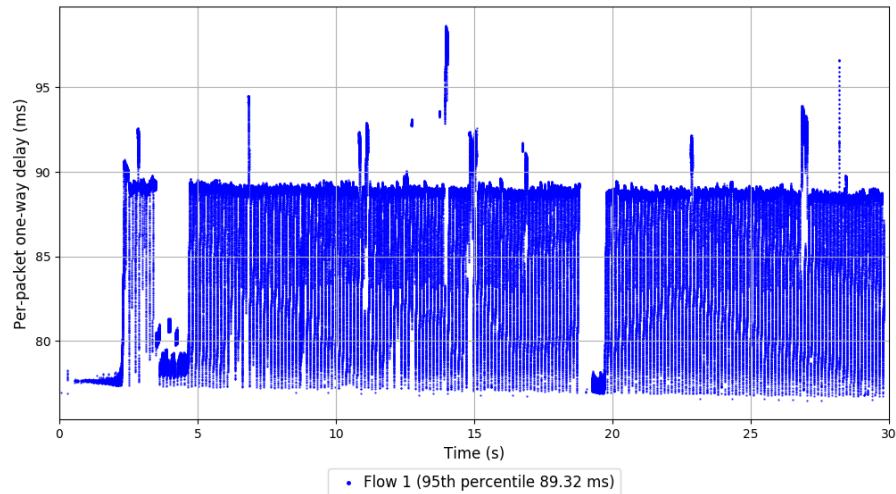
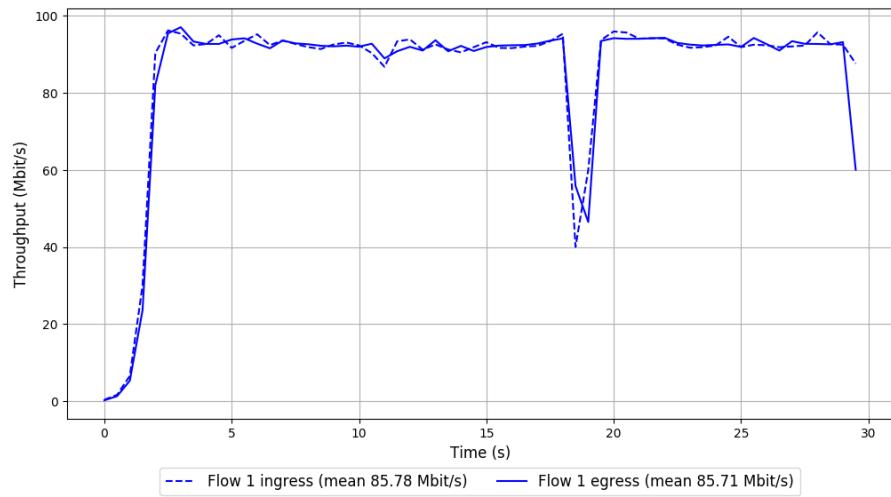
| scheme         | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|----------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR        | 10     | 84.14                            | 90.21                               | 0.88                         |
| TCP Cubic      | 10     | 40.66                            | 83.81                               | 1.45                         |
| LEDBAT         | 8      | 5.62                             | 80.70                               | 1.37                         |
| PCC            | 10     | 75.83                            | 83.93                               | 0.93                         |
| QUIC Cubic     | 8      | 43.67                            | 92.32                               | 1.02                         |
| SCReAM         | 10     | 0.18                             | 86.85                               | 0.83                         |
| WebRTC media   | 10     | 0.07                             | 82.85                               | 0.01                         |
| Sprout         | 10     | 0.74                             | 87.11                               | 0.84                         |
| TaoVA-100x     | 9      | 44.56                            | 94.50                               | 2.00                         |
| TCP Vegas      | 10     | 19.12                            | 92.81                               | 0.89                         |
| Verus          | 10     | 36.87                            | 91.39                               | 0.92                         |
| Copa           | 10     | 38.80                            | 75.54                               | 1.00                         |
| FillP          | 10     | 87.07                            | 98.80                               | 1.15                         |
| Indigo-1-32    | 9      | 83.41                            | 111.91                              | 2.56                         |
| Vivace-latency | 10     | 57.00                            | 94.11                               | 1.72                         |
| Vivace-loss    | 10     | 72.23                            | 100.71                              | 1.64                         |
| Vivace-LTE     | 10     | 73.86                            | 95.58                               | 1.56                         |

Run 1: Statistics of TCP BBR

```
Start at: 2018-04-10 09:07:28
End at: 2018-04-10 09:07:58
Local clock offset: 2.085 ms
Remote clock offset: 7.846 ms

# Below is generated by plot.py at 2018-04-10 17:17:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 89.324 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 89.324 ms
Loss rate: 0.86%
```

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

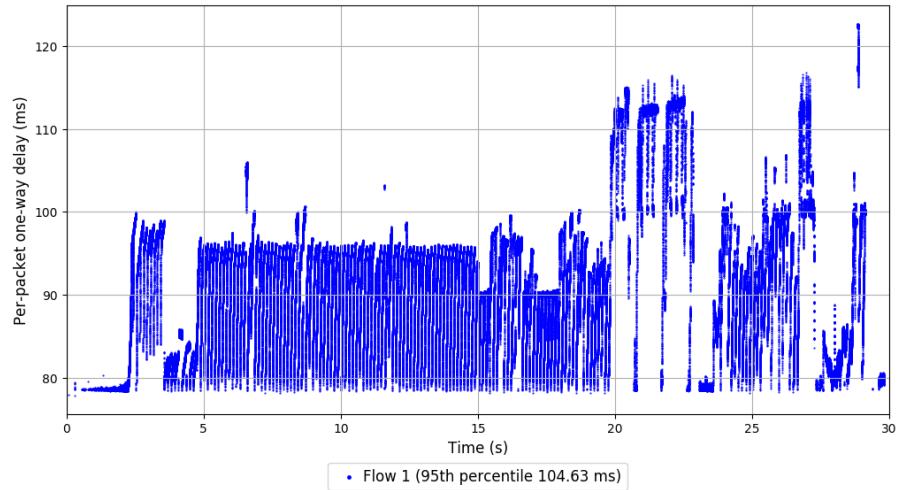
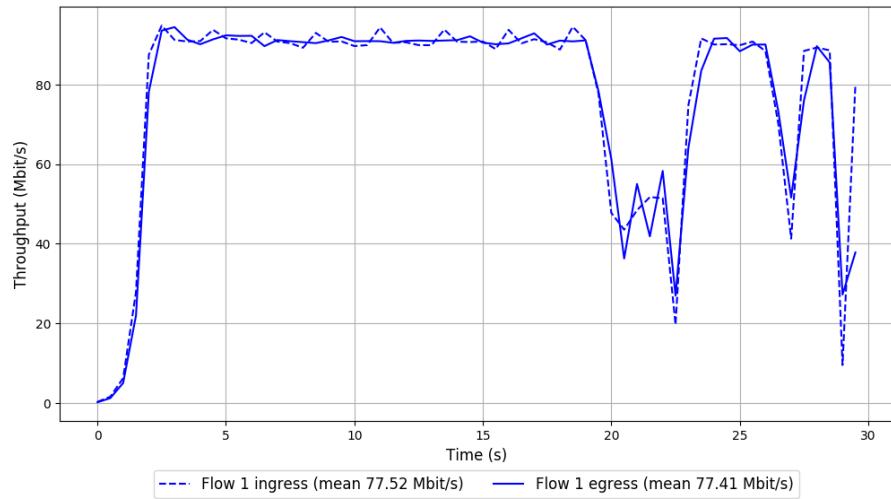


Run 2: Statistics of TCP BBR

```
Start at: 2018-04-10 09:33:26
End at: 2018-04-10 09:33:56
Local clock offset: 2.431 ms
Remote clock offset: -6.382 ms

# Below is generated by plot.py at 2018-04-10 17:17:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.41 Mbit/s
95th percentile per-packet one-way delay: 104.626 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 77.41 Mbit/s
95th percentile per-packet one-way delay: 104.626 ms
Loss rate: 0.92%
```

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

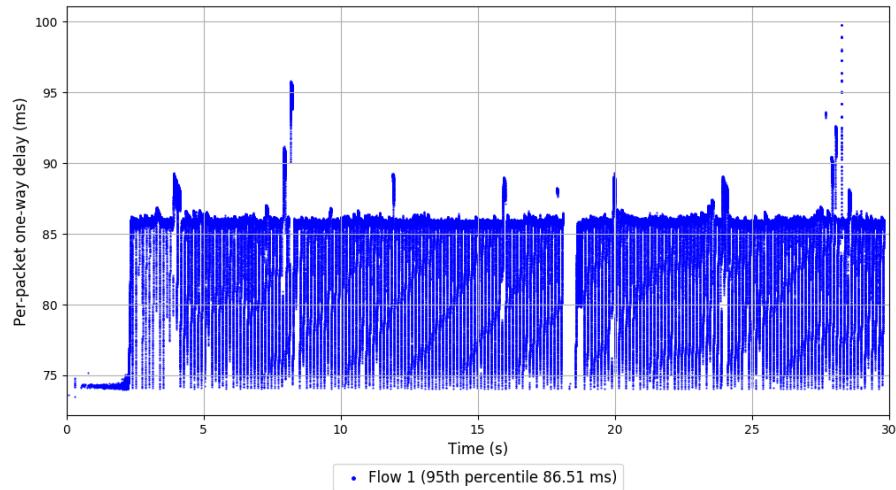
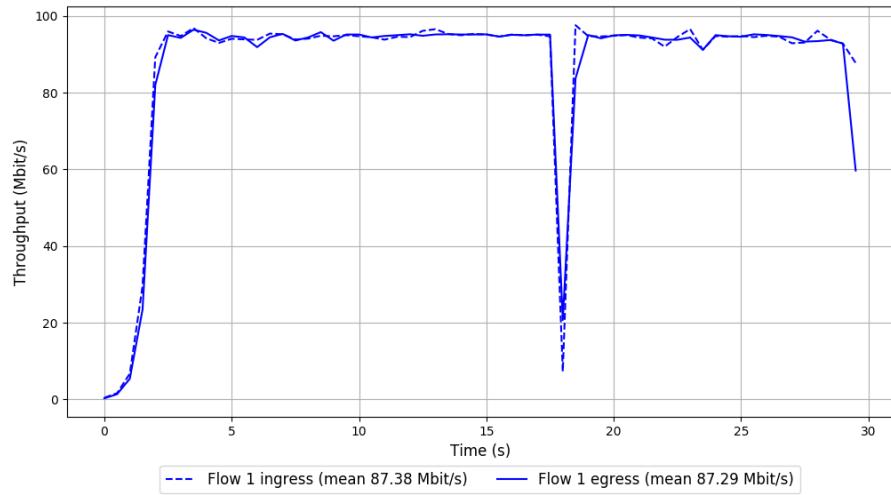


Run 3: Statistics of TCP BBR

```
Start at: 2018-04-10 09:57:46
End at: 2018-04-10 09:58:16
Local clock offset: 1.38 ms
Remote clock offset: -6.792 ms

# Below is generated by plot.py at 2018-04-10 17:17:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 0.85%
```

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

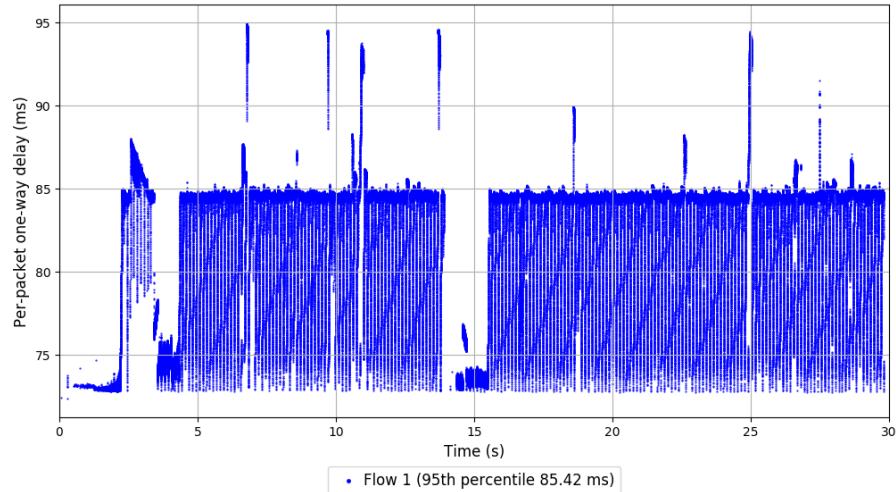
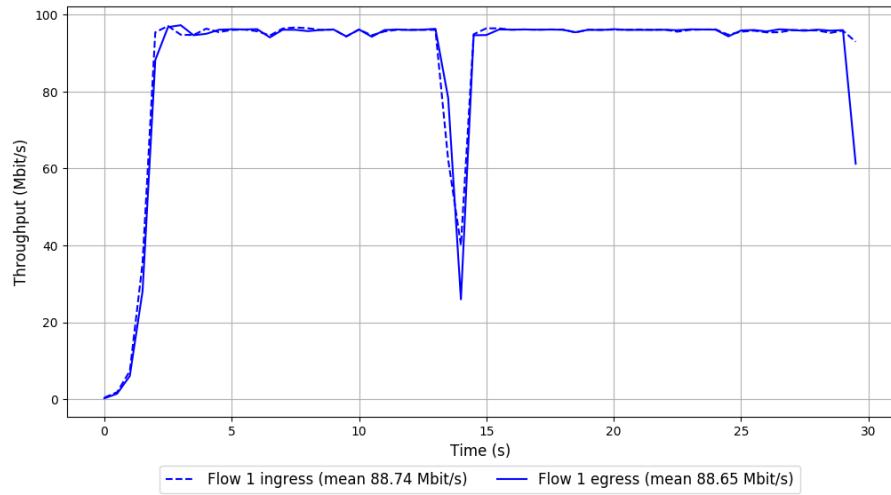


Run 4: Statistics of TCP BBR

```
Start at: 2018-04-10 10:23:36
End at: 2018-04-10 10:24:06
Local clock offset: 1.865 ms
Remote clock offset: -11.497 ms

# Below is generated by plot.py at 2018-04-10 17:17:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: 85.415 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: 85.415 ms
Loss rate: 0.86%
```

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

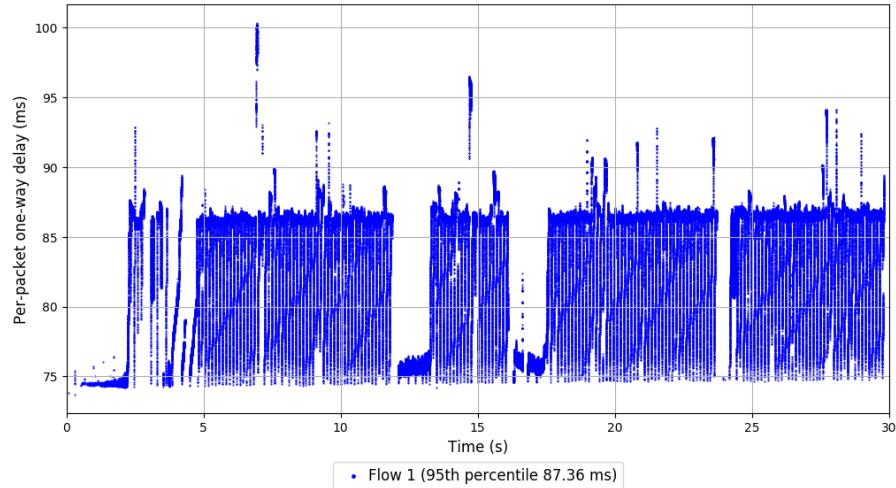
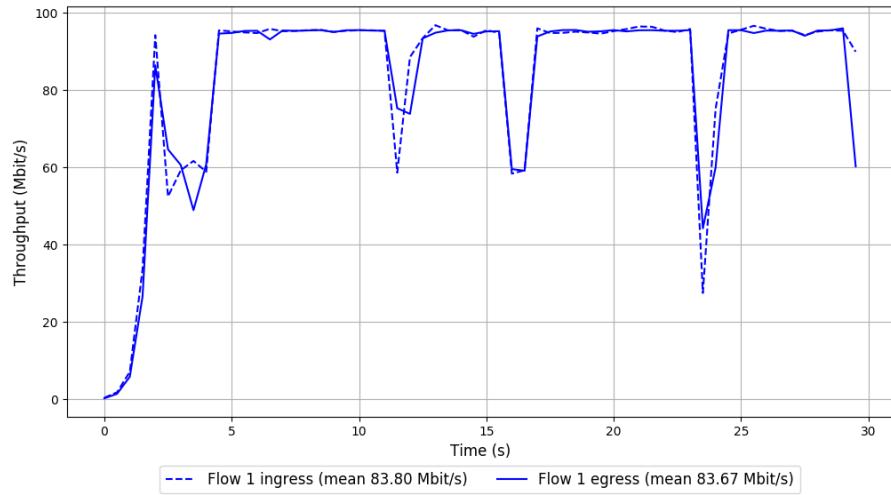


Run 5: Statistics of TCP BBR

```
Start at: 2018-04-10 10:50:31
End at: 2018-04-10 10:51:01
Local clock offset: 1.907 ms
Remote clock offset: 6.793 ms

# Below is generated by plot.py at 2018-04-10 17:17:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 87.362 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 87.362 ms
Loss rate: 0.91%
```

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

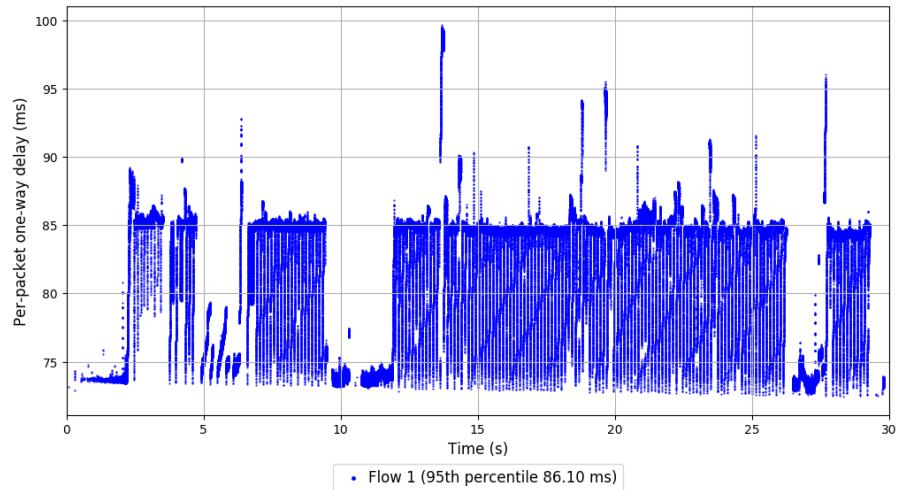
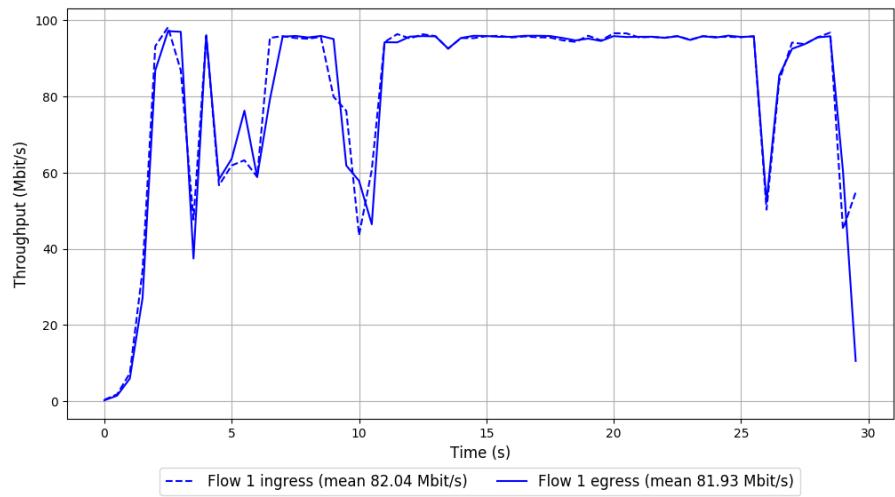


Run 6: Statistics of TCP BBR

```
Start at: 2018-04-10 11:15:20
End at: 2018-04-10 11:15:50
Local clock offset: 1.846 ms
Remote clock offset: 21.588 ms

# Below is generated by plot.py at 2018-04-10 17:17:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 86.104 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 86.104 ms
Loss rate: 0.90%
```

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

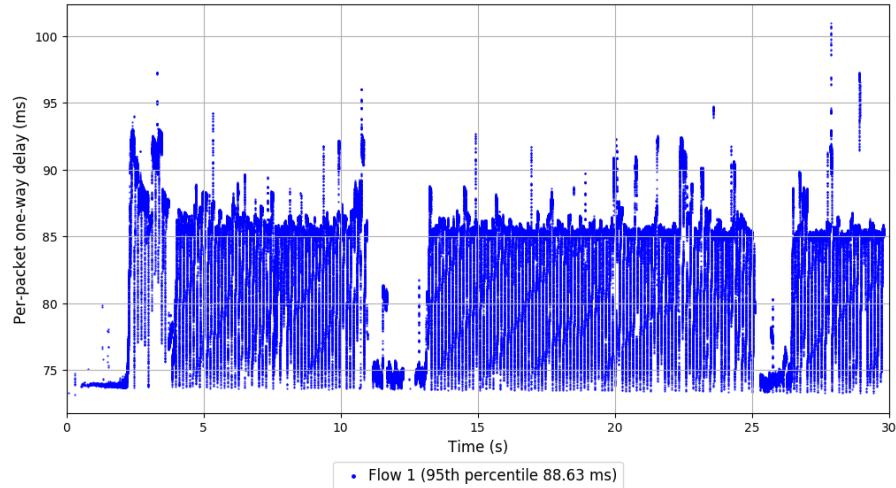
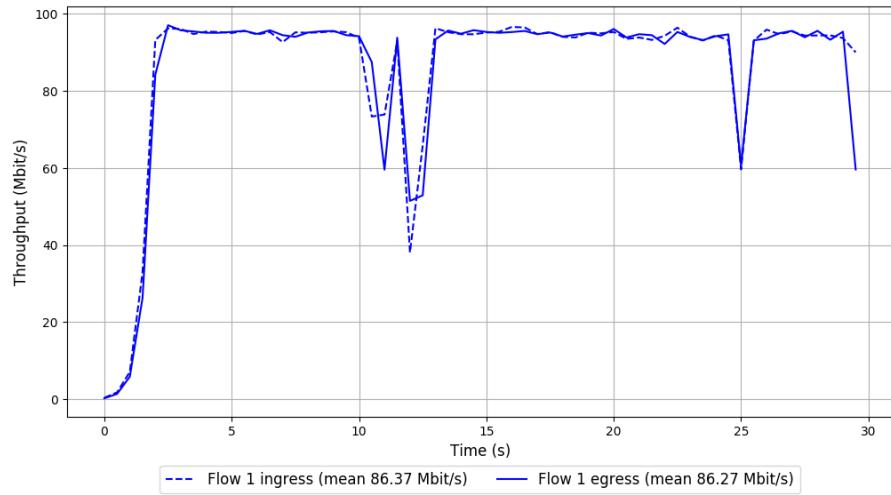


Run 7: Statistics of TCP BBR

```
Start at: 2018-04-10 11:40:12
End at: 2018-04-10 11:40:42
Local clock offset: 30.901 ms
Remote clock offset: -0.75 ms

# Below is generated by plot.py at 2018-04-10 17:17:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 88.631 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 88.631 ms
Loss rate: 0.90%
```

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

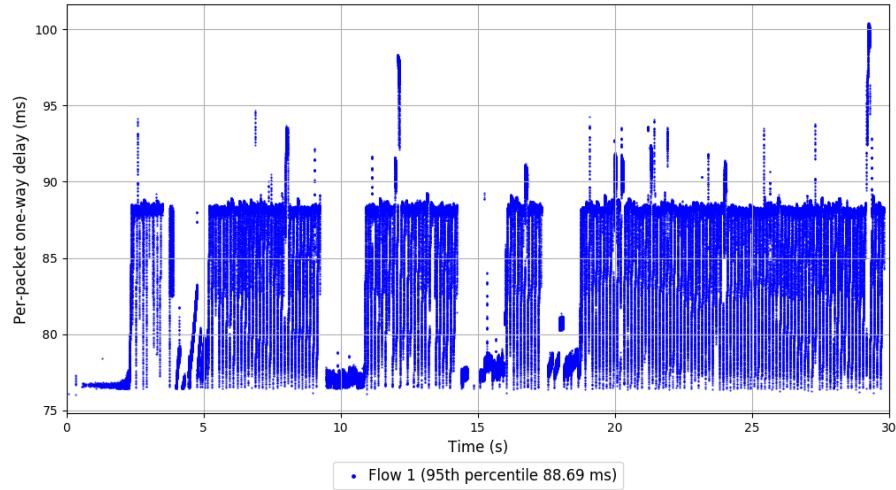
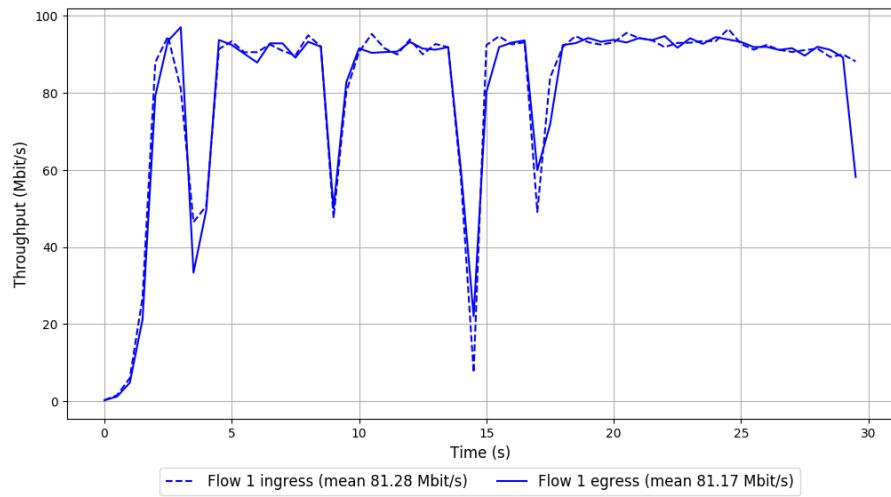


Run 8: Statistics of TCP BBR

```
Start at: 2018-04-10 12:05:06
End at: 2018-04-10 12:05:36
Local clock offset: 43.992 ms
Remote clock offset: 4.711 ms

# Below is generated by plot.py at 2018-04-10 17:17:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 88.692 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 88.692 ms
Loss rate: 0.92%
```

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

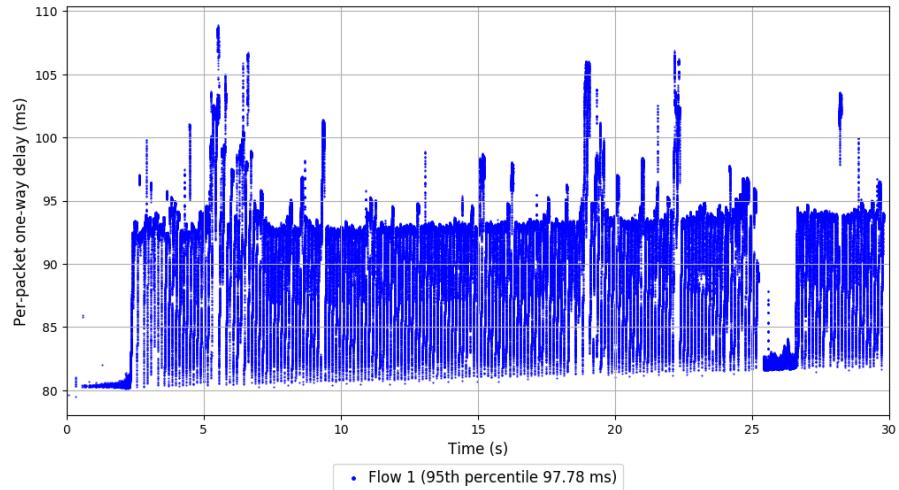
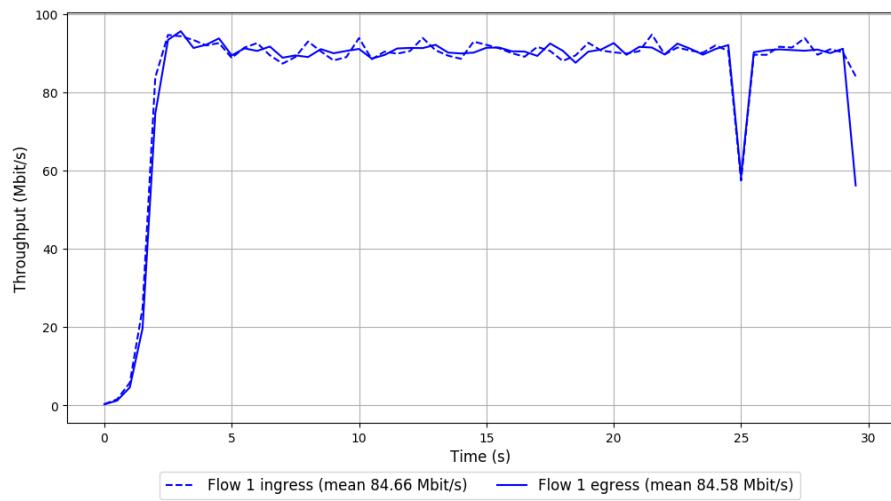


Run 9: Statistics of TCP BBR

```
Start at: 2018-04-10 12:29:39
End at: 2018-04-10 12:30:09
Local clock offset: 54.491 ms
Remote clock offset: 11.417 ms

# Below is generated by plot.py at 2018-04-10 17:18:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 97.775 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 97.775 ms
Loss rate: 0.88%
```

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

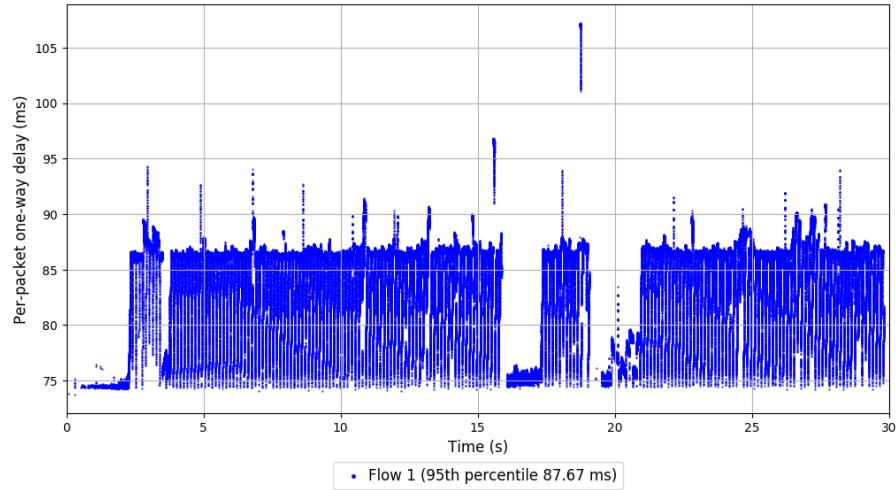
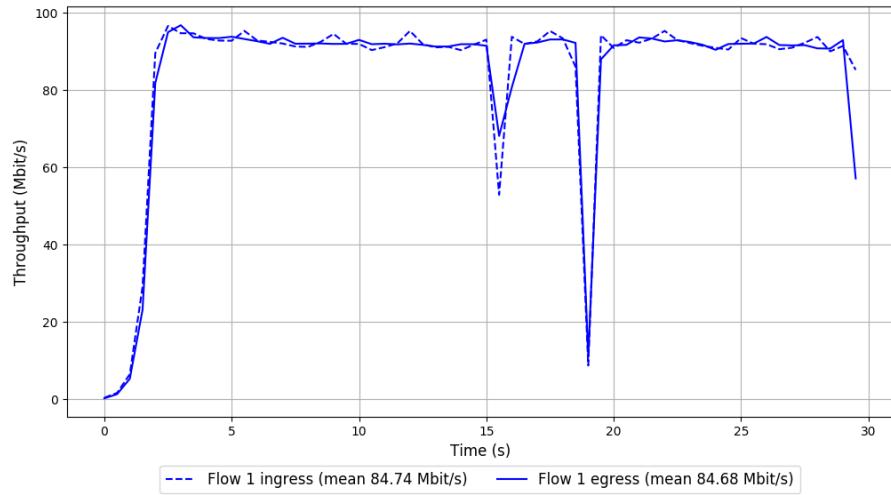


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-04-10 12:54:44
End at: 2018-04-10 12:55:14
Local clock offset: 26.297 ms
Remote clock offset: 19.617 ms

# Below is generated by plot.py at 2018-04-10 17:18:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 87.670 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 87.670 ms
Loss rate: 0.84%
```

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

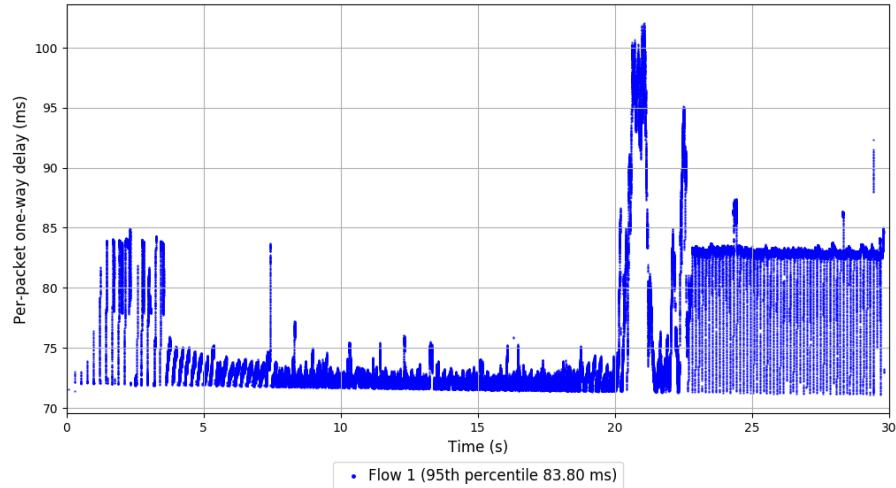
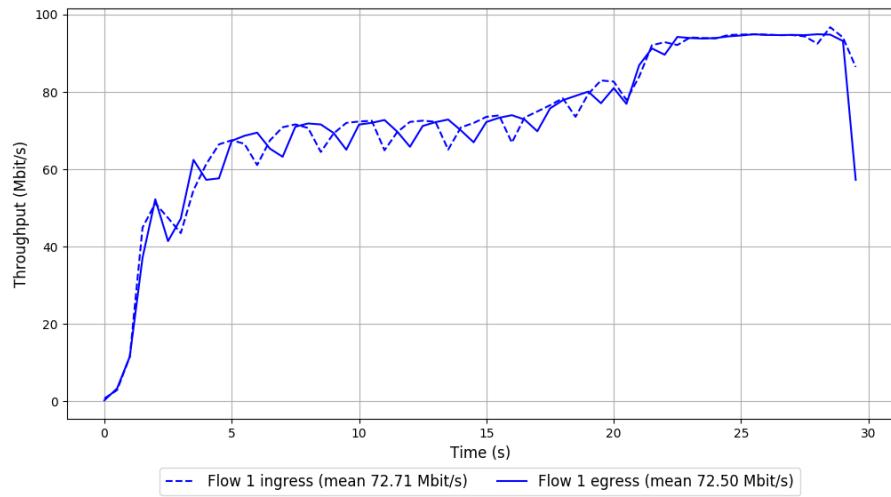


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-04-10 09:04:34
End at: 2018-04-10 09:05:04
Local clock offset: 2.076 ms
Remote clock offset: 14.217 ms

# Below is generated by plot.py at 2018-04-10 17:18:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.50 Mbit/s
95th percentile per-packet one-way delay: 83.801 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 72.50 Mbit/s
95th percentile per-packet one-way delay: 83.801 ms
Loss rate: 1.04%
```

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

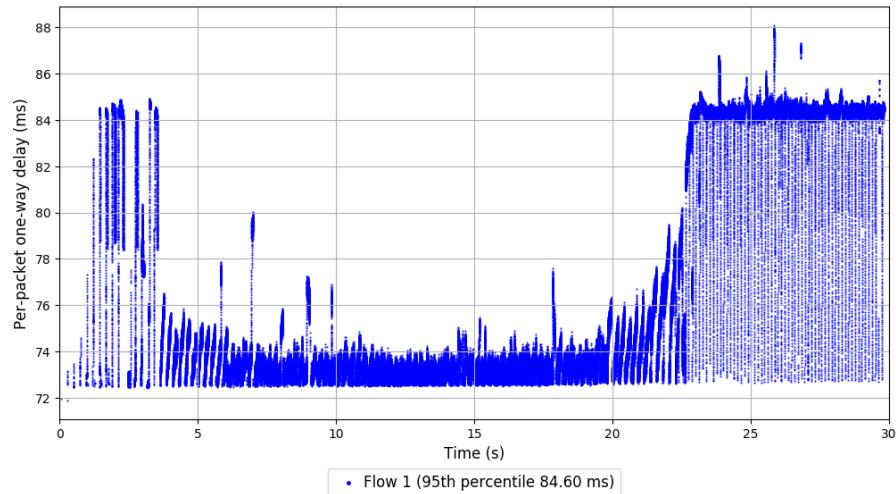
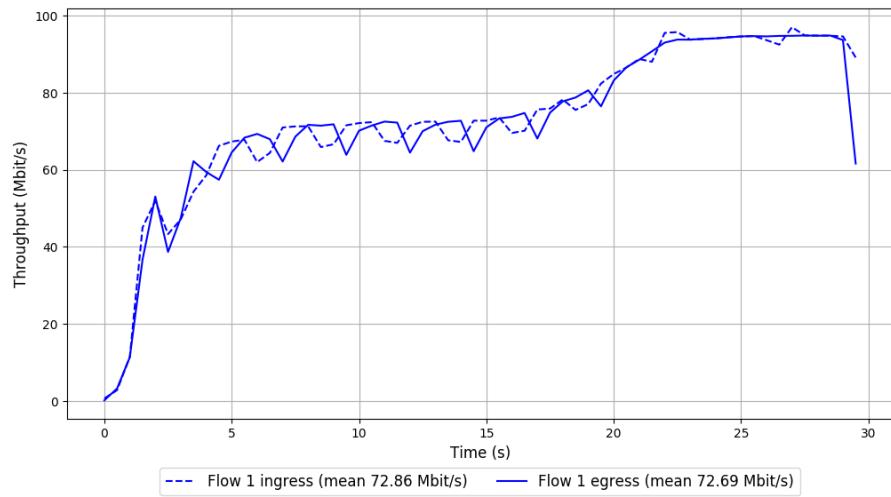


Run 2: Statistics of TCP Cubic

```
Start at: 2018-04-10 09:30:41
End at: 2018-04-10 09:31:11
Local clock offset: 2.362 ms
Remote clock offset: -7.488 ms

# Below is generated by plot.py at 2018-04-10 17:18:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 84.604 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 84.604 ms
Loss rate: 1.00%
```

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

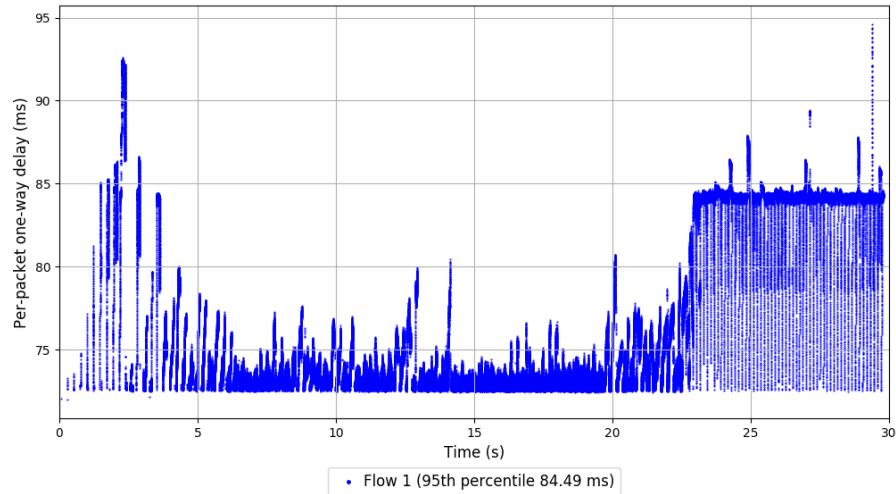
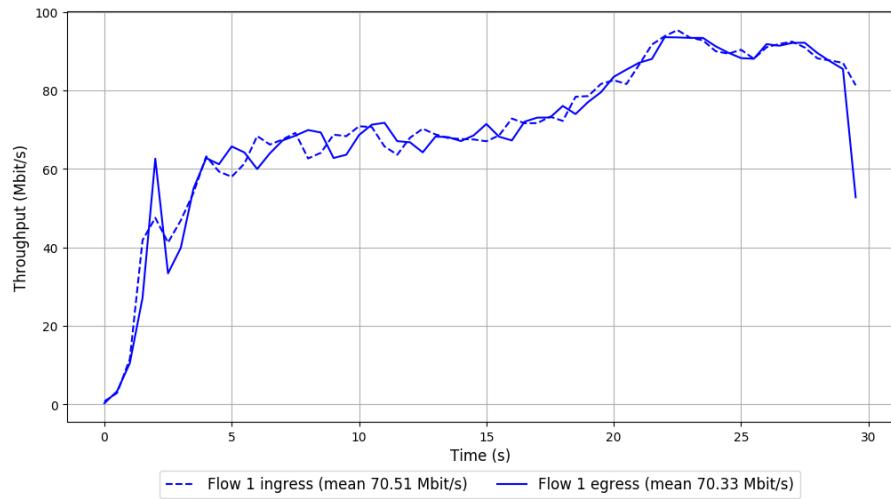


Run 3: Statistics of TCP Cubic

```
Start at: 2018-04-10 09:55:01
End at: 2018-04-10 09:55:31
Local clock offset: 1.299 ms
Remote clock offset: -6.462 ms

# Below is generated by plot.py at 2018-04-10 17:18:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 84.494 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 84.494 ms
Loss rate: 1.04%
```

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

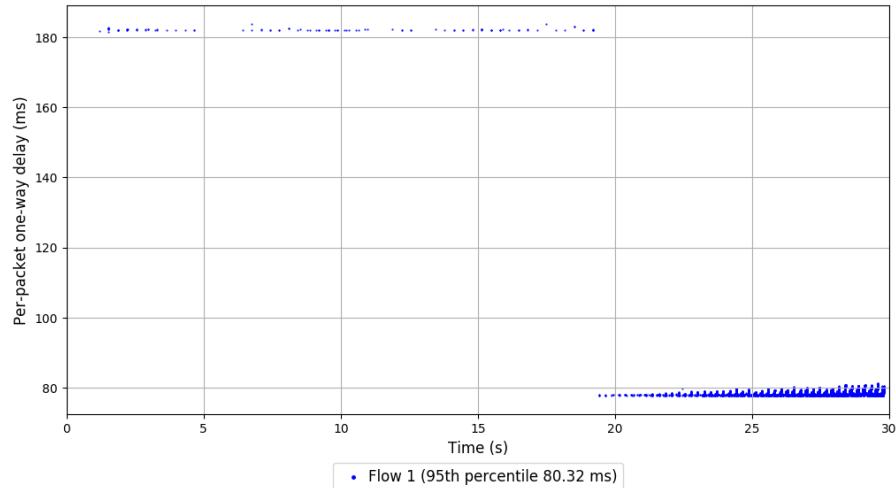
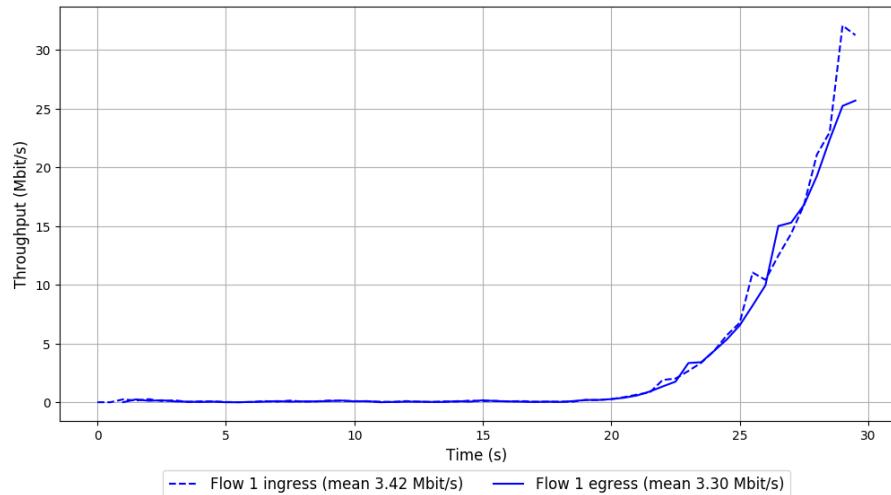


Run 4: Statistics of TCP Cubic

```
Start at: 2018-04-10 10:20:45
End at: 2018-04-10 10:21:15
Local clock offset: 1.581 ms
Remote clock offset: -11.014 ms

# Below is generated by plot.py at 2018-04-10 17:18:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 80.320 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 80.320 ms
Loss rate: 7.84%
```

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

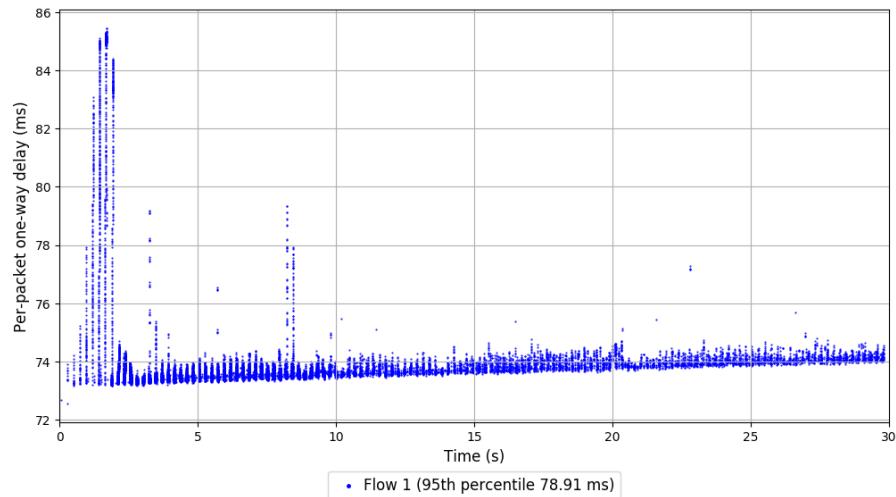
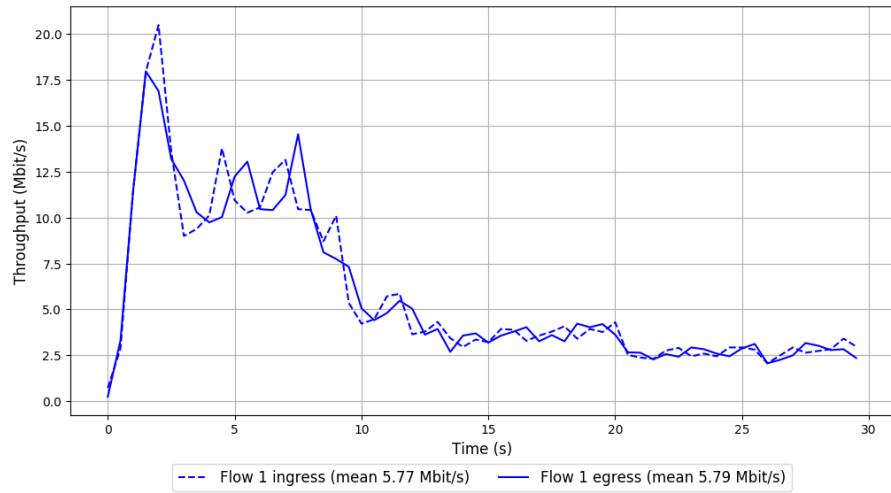


Run 5: Statistics of TCP Cubic

```
Start at: 2018-04-10 10:47:49
End at: 2018-04-10 10:48:19
Local clock offset: 2.017 ms
Remote clock offset: 2.815 ms

# Below is generated by plot.py at 2018-04-10 17:18:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 78.906 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 78.906 ms
Loss rate: 0.49%
```

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

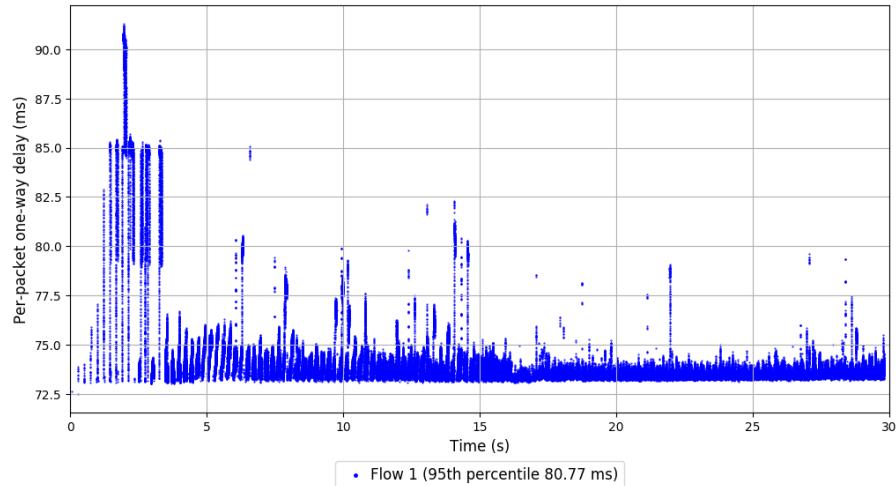
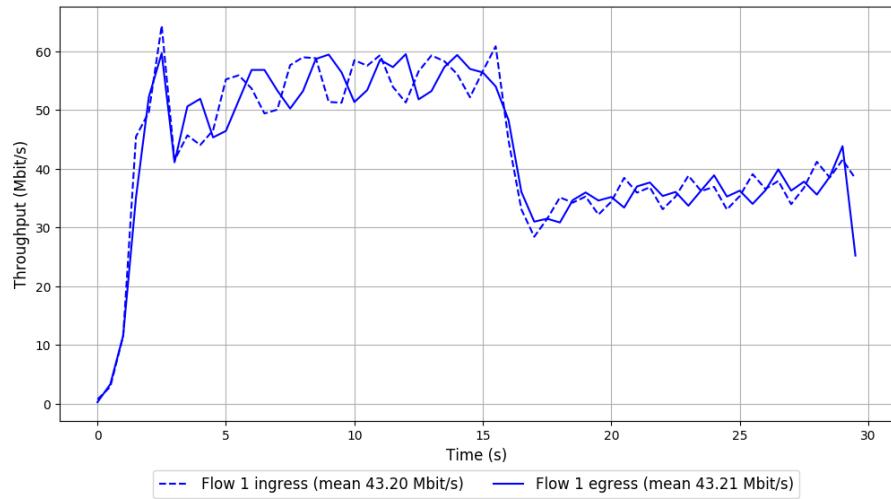


Run 6: Statistics of TCP Cubic

```
Start at: 2018-04-10 11:12:32
End at: 2018-04-10 11:13:02
Local clock offset: 2.002 ms
Remote clock offset: 21.876 ms

# Below is generated by plot.py at 2018-04-10 17:18:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 80.774 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 80.774 ms
Loss rate: 0.73%
```

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

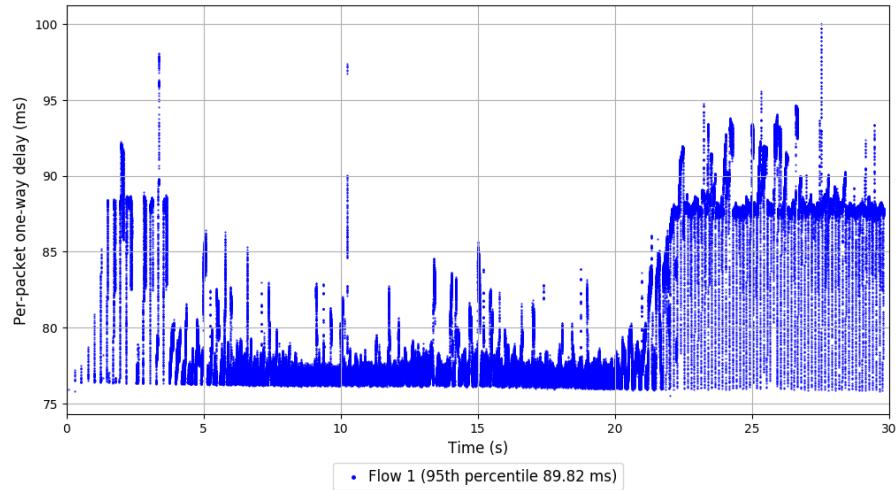
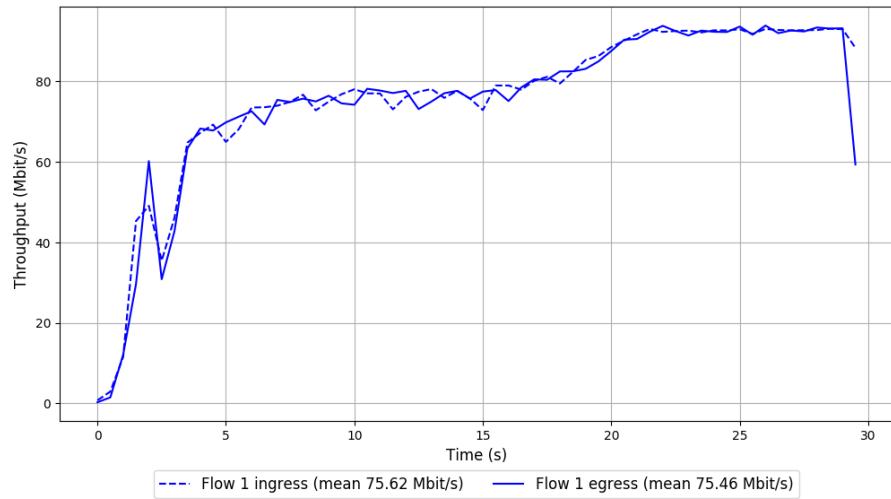


Run 7: Statistics of TCP Cubic

```
Start at: 2018-04-10 11:37:28
End at: 2018-04-10 11:37:58
Local clock offset: 28.589 ms
Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 89.817 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 89.817 ms
Loss rate: 0.99%
```

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

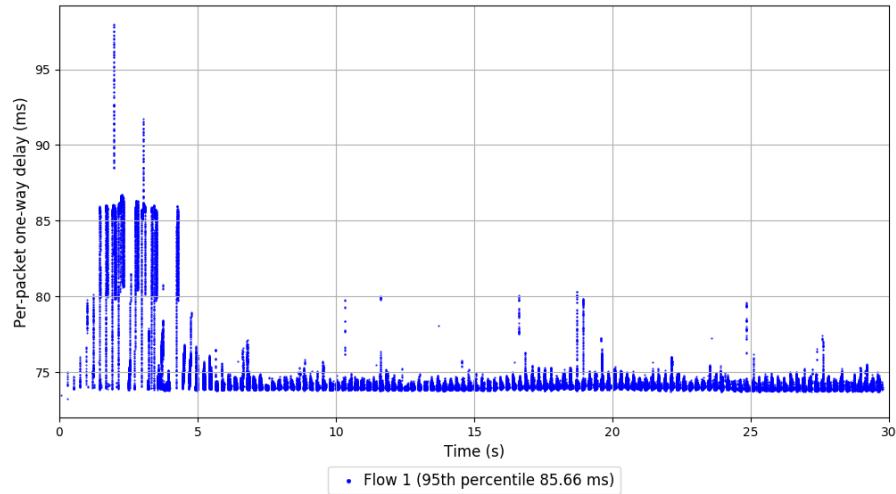
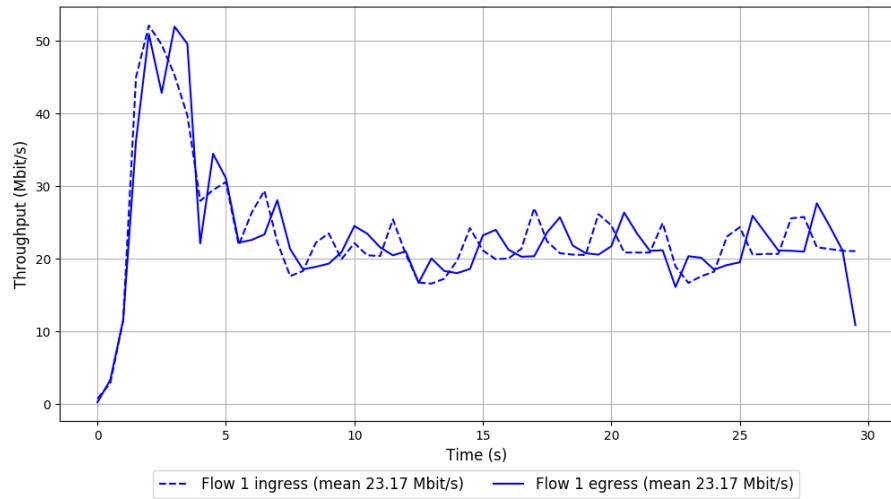


Run 8: Statistics of TCP Cubic

```
Start at: 2018-04-10 12:02:23
End at: 2018-04-10 12:02:53
Local clock offset: 42.814 ms
Remote clock offset: 4.285 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 85.655 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 85.655 ms
Loss rate: 0.77%
```

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

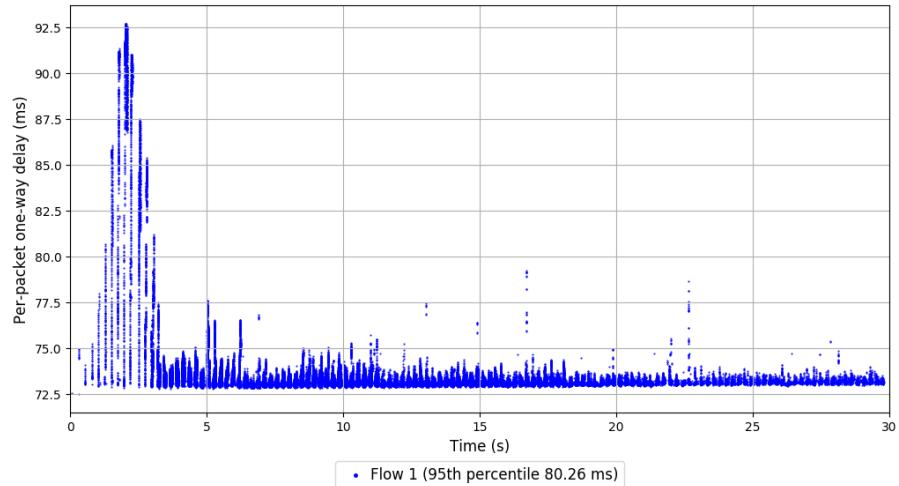
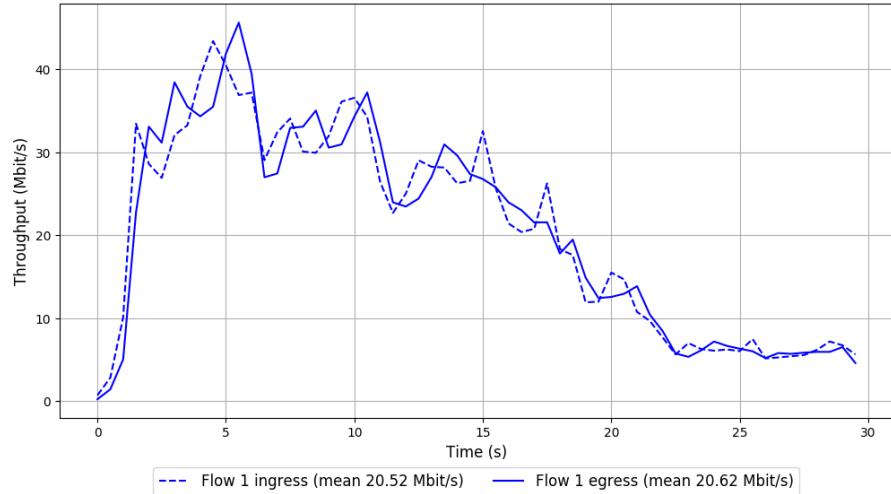


Run 9: Statistics of TCP Cubic

```
Start at: 2018-04-10 12:26:43
End at: 2018-04-10 12:27:13
Local clock offset: 53.342 ms
Remote clock offset: 9.19 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 80.256 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 80.256 ms
Loss rate: 0.28%
```

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

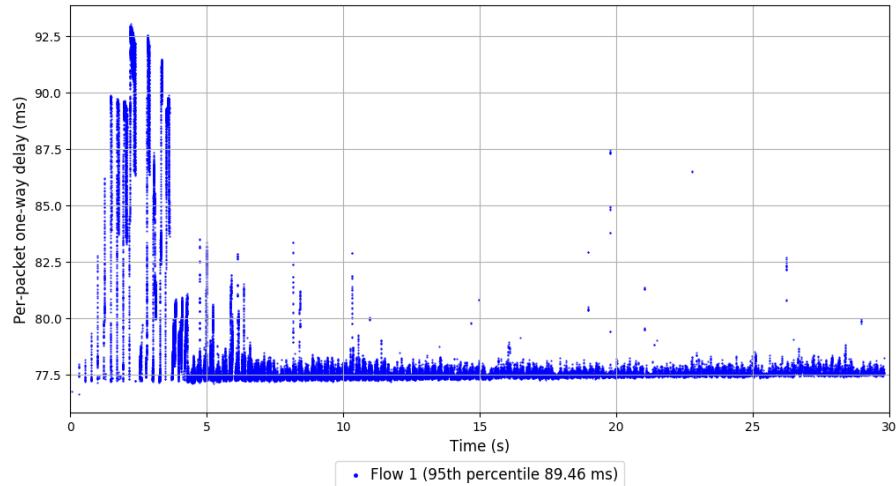
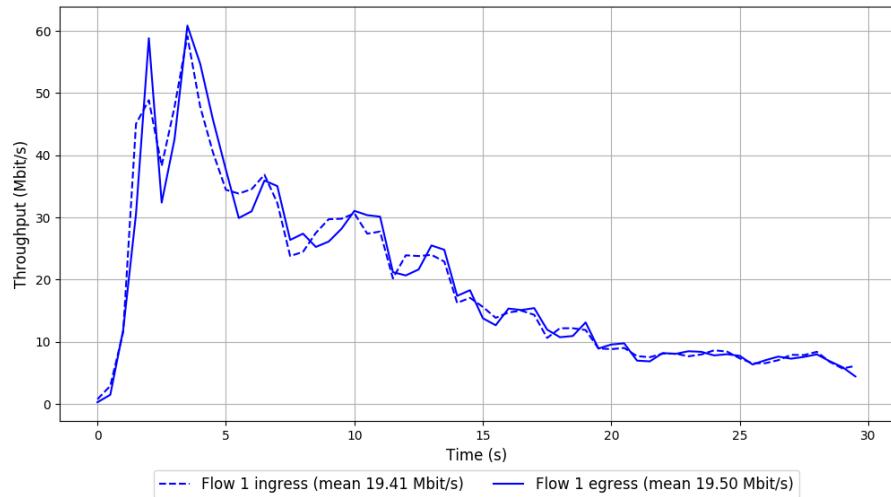


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-04-10 12:51:55
End at: 2018-04-10 12:52:25
Local clock offset: 27.157 ms
Remote clock offset: 19.057 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 89.458 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 89.458 ms
Loss rate: 0.28%
```

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

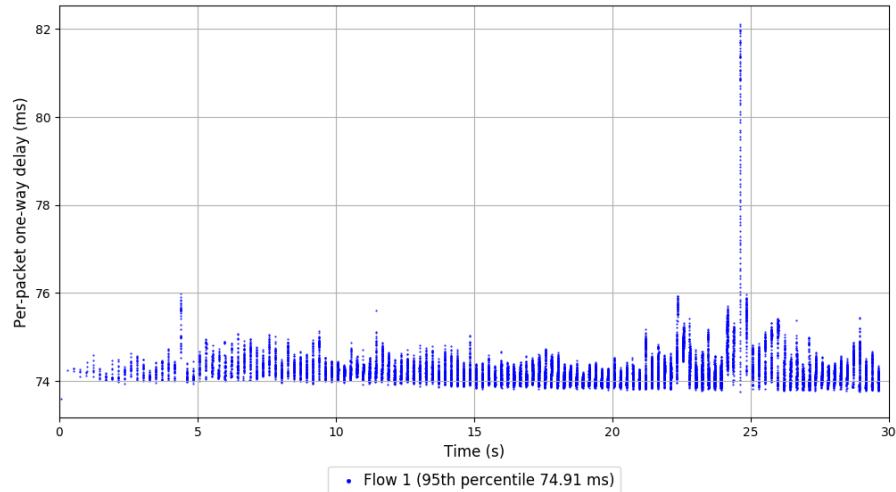
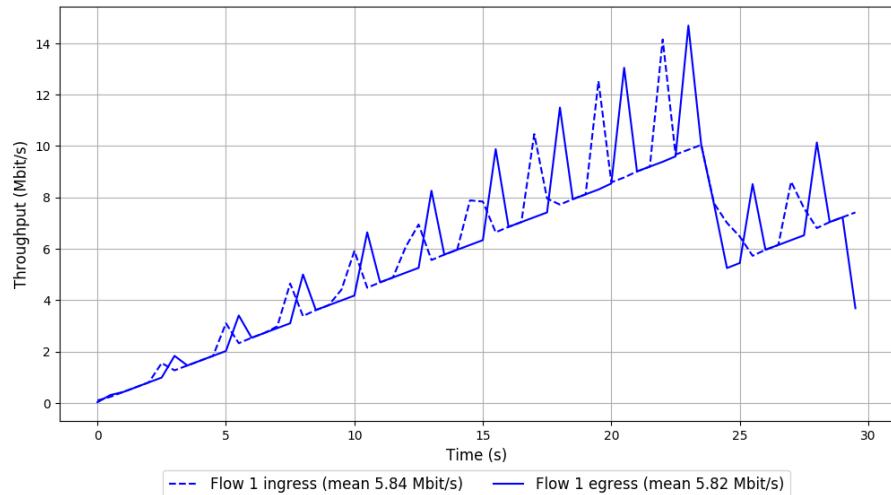


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-04-10 09:25:16
End at: 2018-04-10 09:25:46
Local clock offset: 2.54 ms
Remote clock offset: -6.099 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 74.908 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 74.908 ms
Loss rate: 1.09%
```

## Run 1: Report of LEDBAT — Data Link

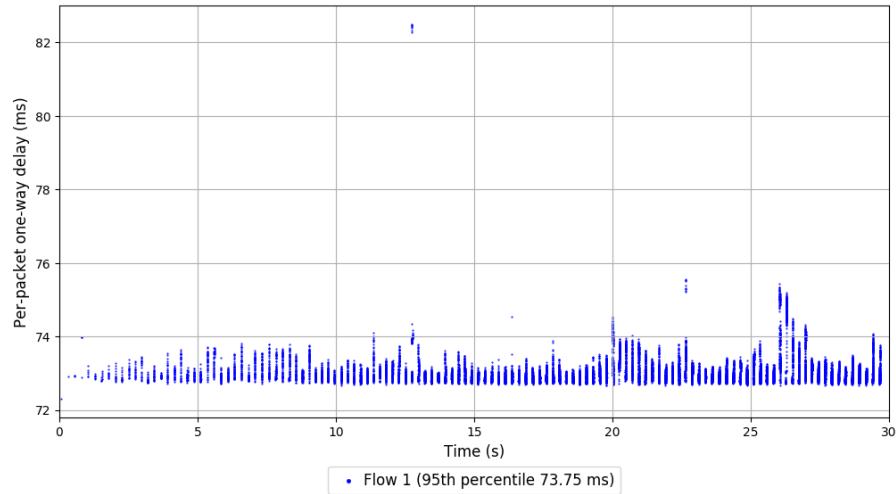
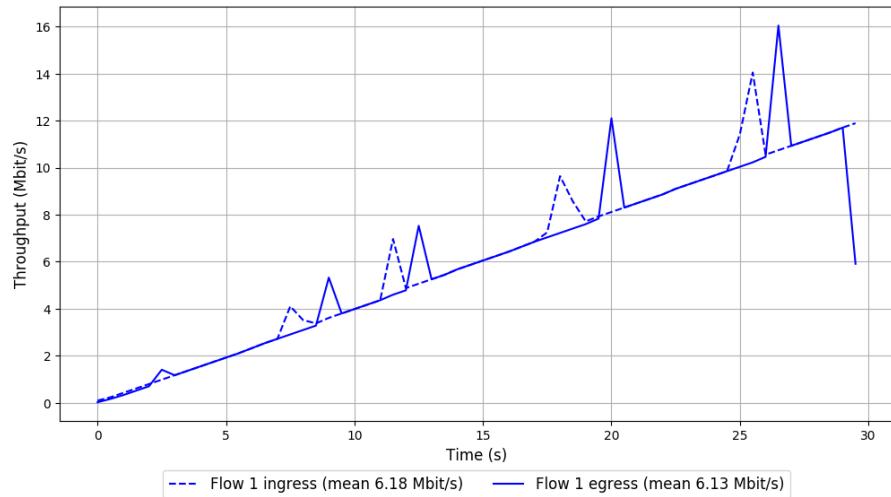


```
Run 2: Statistics of LEDBAT
```

```
Start at: 2018-04-10 09:49:42
End at: 2018-04-10 09:50:12
Local clock offset: 1.675 ms
Remote clock offset: -5.723 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 73.751 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 73.751 ms
Loss rate: 1.62%
```

## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

/home/ubuntu/pantheon\_data/2018-04-10T09-00-China-to-AWS-Korea-10-runs/ledbat\_stats\_run3.log

Run 3: Report of LEDBAT — Data Link

Figure is missing

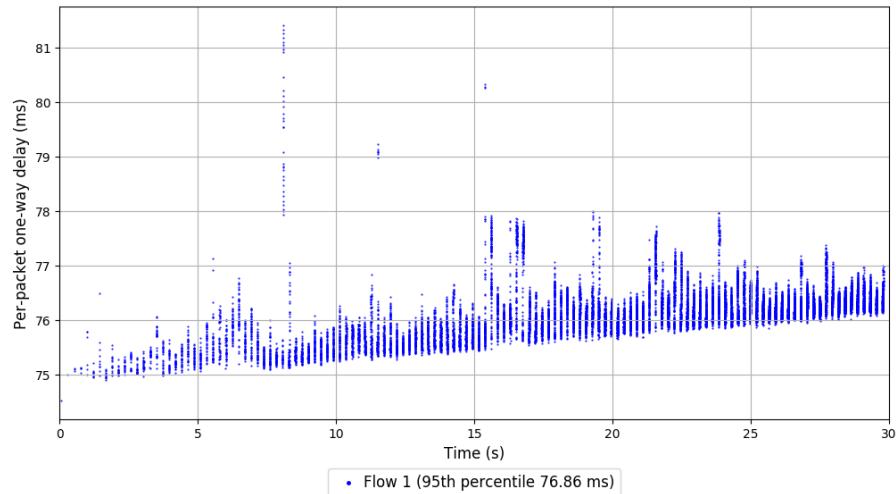
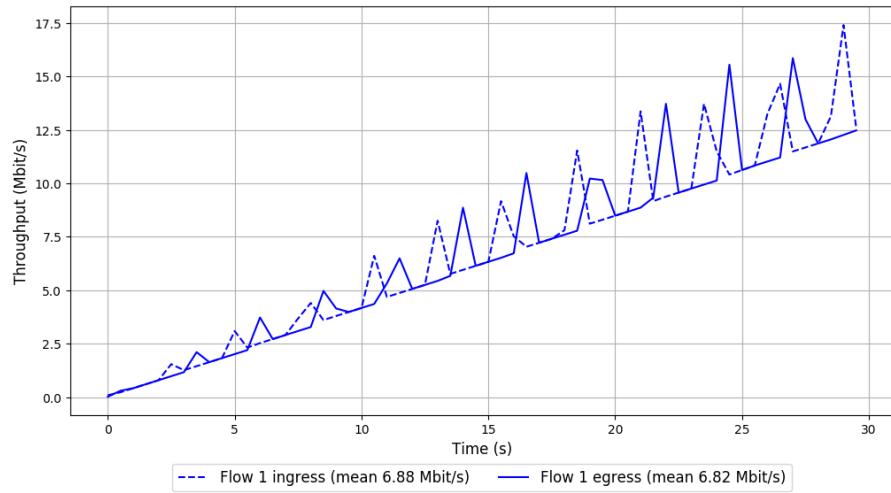
Figure is missing

Run 4: Statistics of LEDBAT

```
Start at: 2018-04-10 10:42:31
End at: 2018-04-10 10:43:01
Local clock offset: 1.867 ms
Remote clock offset: -9.027 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 76.859 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 76.859 ms
Loss rate: 1.53%
```

## Run 4: Report of LEDBAT — Data Link

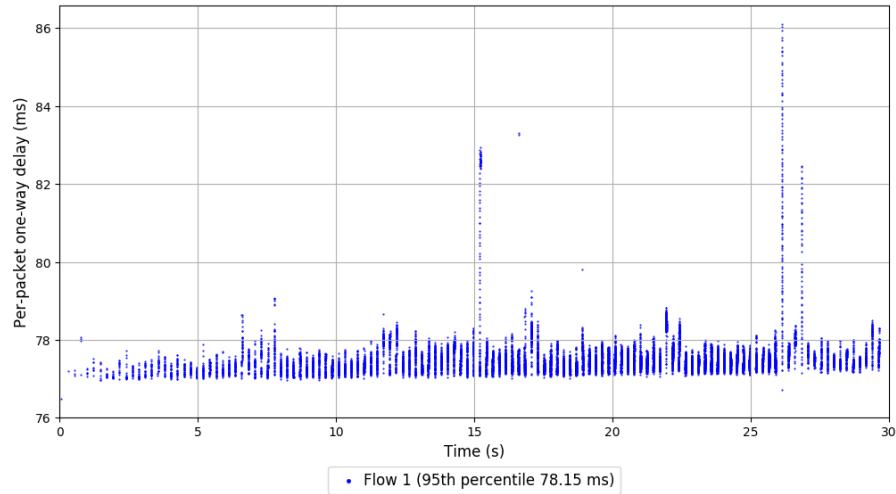
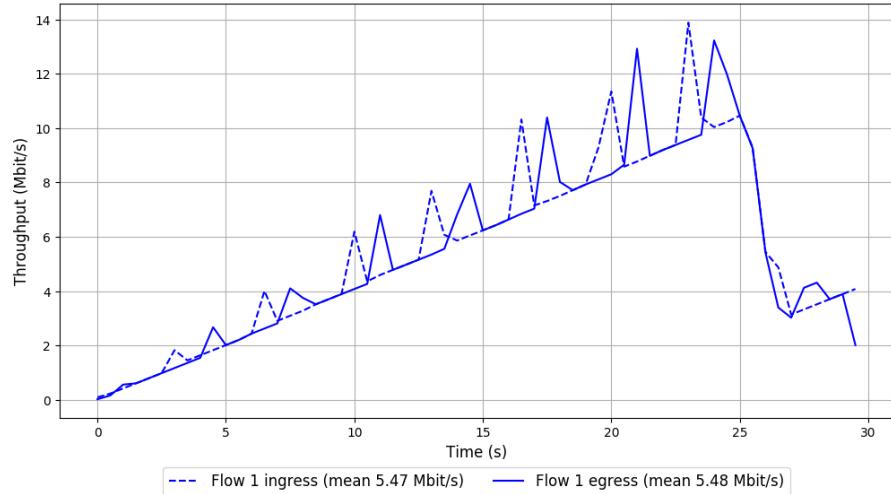


Run 5: Statistics of LEDBAT

```
Start at: 2018-04-10 11:07:07
End at: 2018-04-10 11:07:37
Local clock offset: 2.103 ms
Remote clock offset: 19.631 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 78.154 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 78.154 ms
Loss rate: 0.65%
```

## Run 5: Report of LEDBAT — Data Link

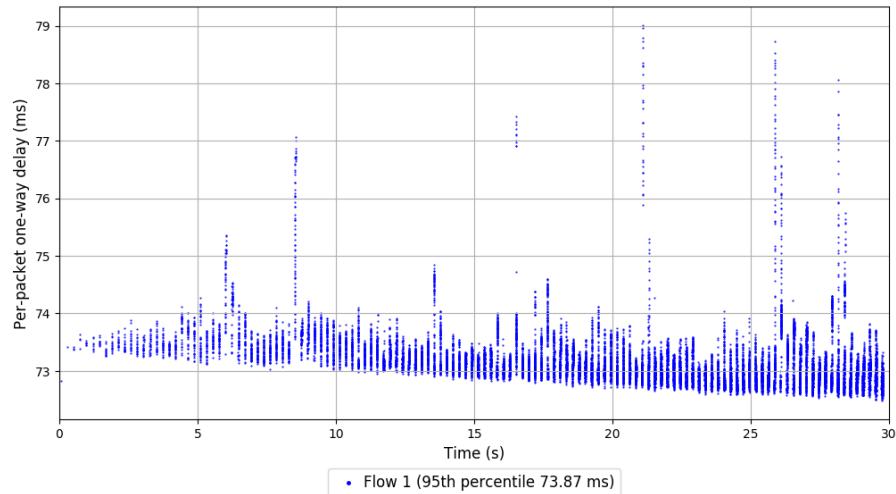
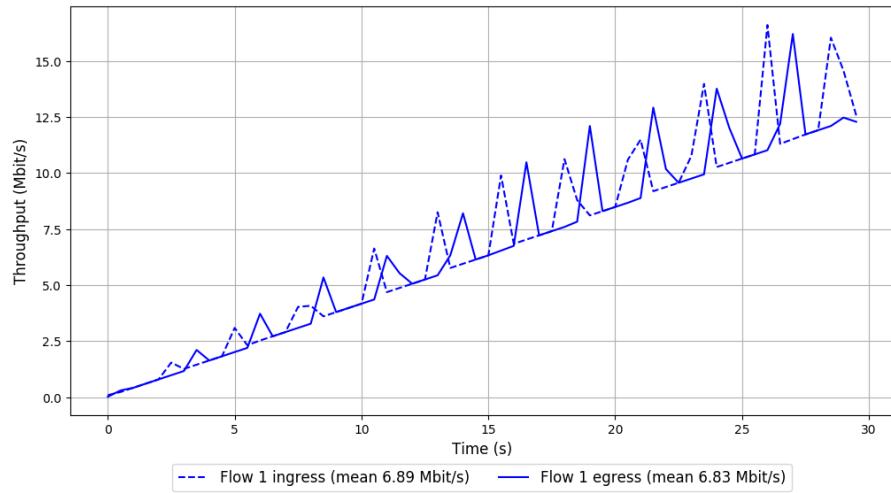


Run 6: Statistics of LEDBAT

```
Start at: 2018-04-10 11:32:10
End at: 2018-04-10 11:32:40
Local clock offset: 23.115 ms
Remote clock offset: 2.26 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 73.872 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 73.872 ms
Loss rate: 1.53%
```

Run 6: Report of LEDBAT — Data Link

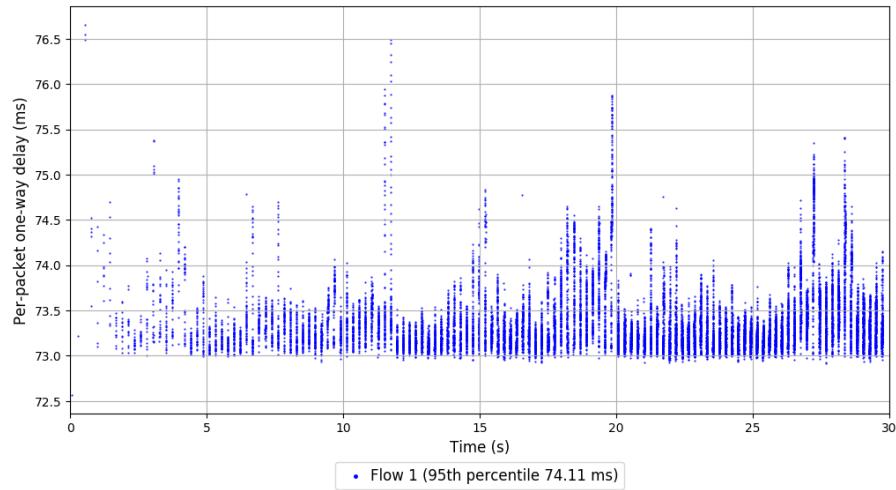
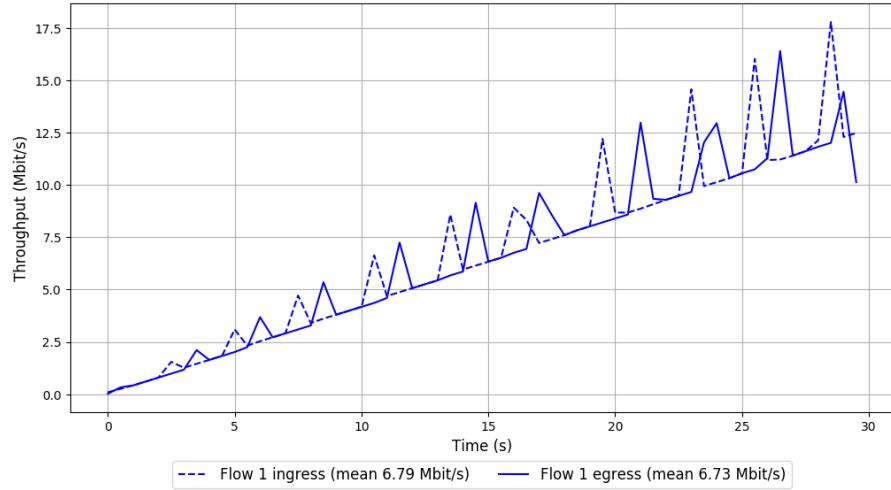


Run 7: Statistics of LEDBAT

```
Start at: 2018-04-10 11:57:03
End at: 2018-04-10 11:57:33
Local clock offset: 40.226 ms
Remote clock offset: 2.447 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 74.107 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 74.107 ms
Loss rate: 1.54%
```

## Run 7: Report of LEDBAT — Data Link

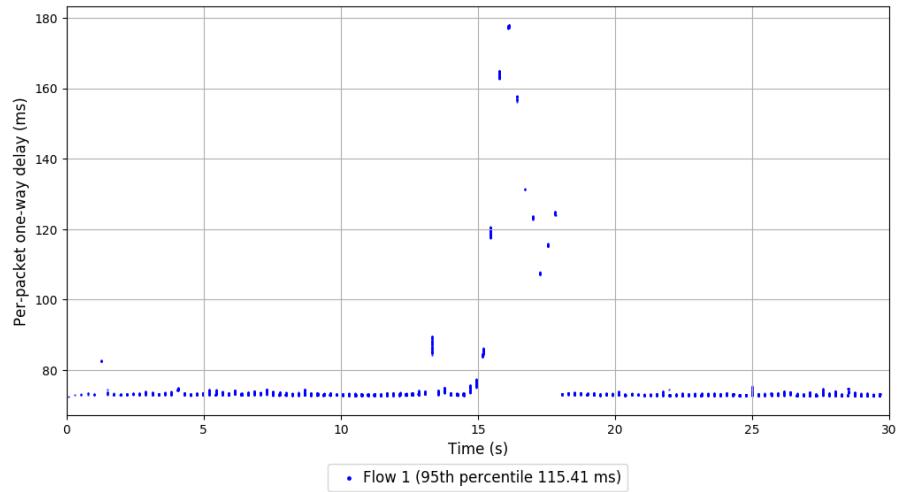
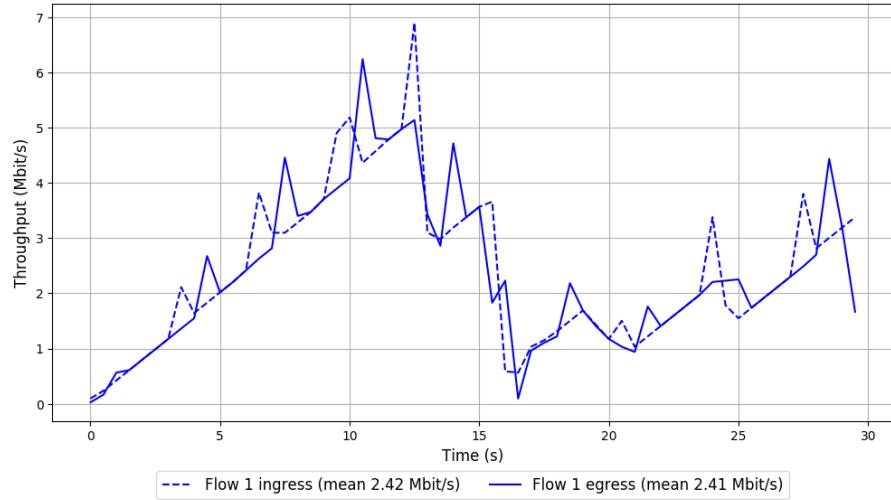


Run 8: Statistics of LEDBAT

```
Start at: 2018-04-10 12:21:27
End at: 2018-04-10 12:21:57
Local clock offset: 51.329 ms
Remote clock offset: 5.776 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 115.409 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 115.409 ms
Loss rate: 1.38%
```

## Run 8: Report of LEDBAT — Data Link

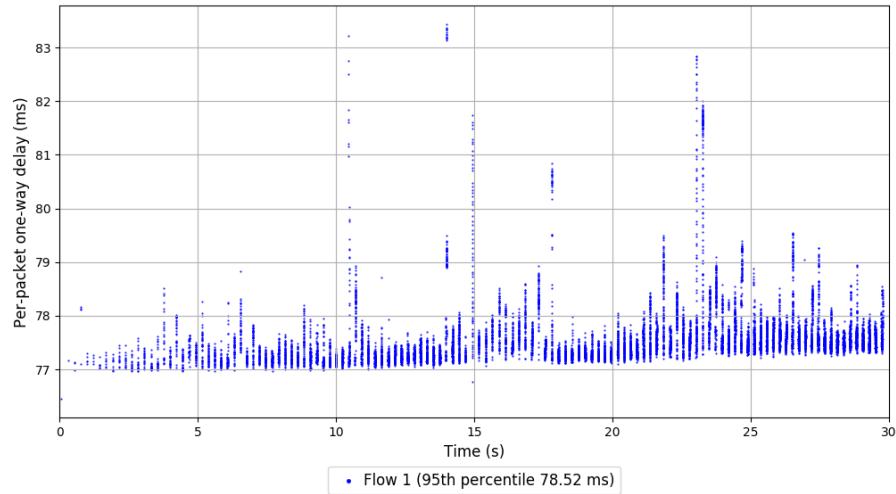
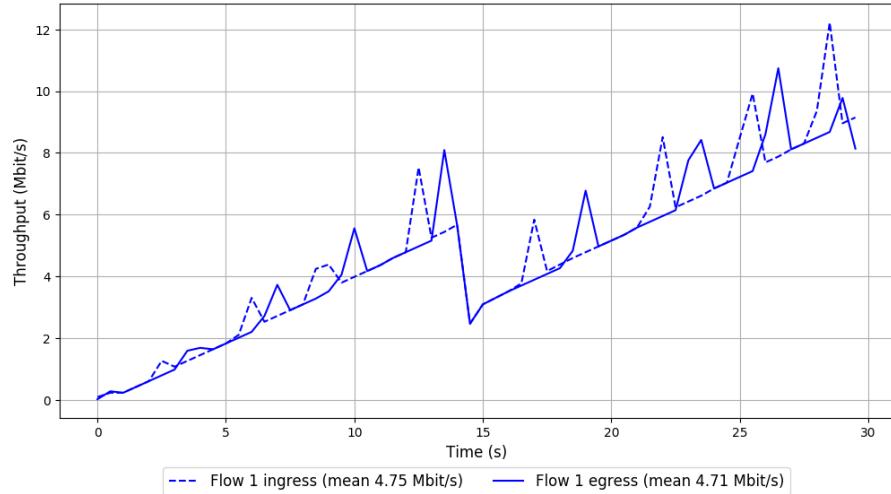


Run 9: Statistics of LEDBAT

```
Start at: 2018-04-10 12:46:20
End at: 2018-04-10 12:46:50
Local clock offset: 29.538 ms
Remote clock offset: 17.834 ms

# Below is generated by plot.py at 2018-04-10 17:18:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 78.521 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 78.521 ms
Loss rate: 1.63%
```

## Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

/home/ubuntu/pantheon\_data/2018-04-10T09-00-China-to-AWS-Korea-10-runs/ledbat\_stats\_run10.l

Run 10: Report of LEDBAT — Data Link

Figure is missing

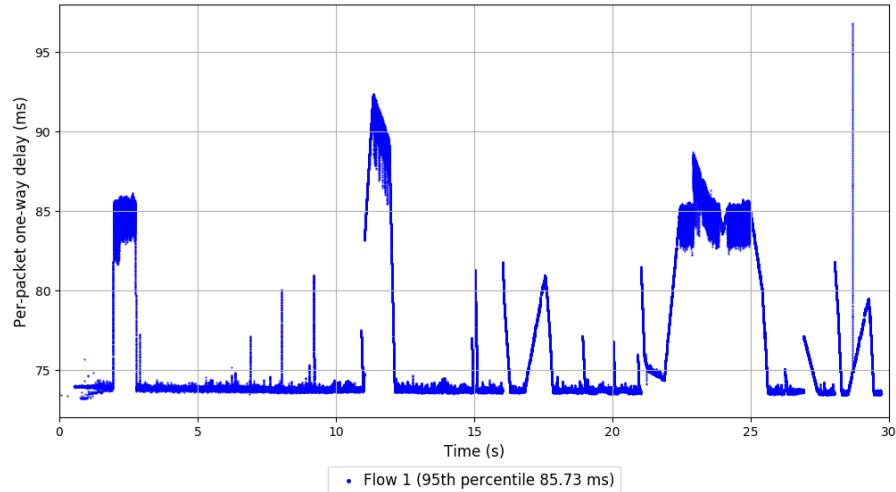
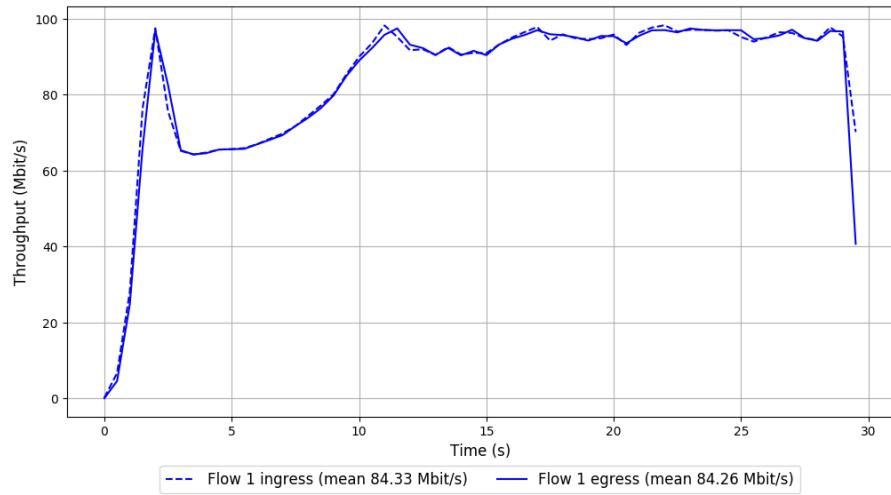
Figure is missing

```
Run 1: Statistics of PCC

Start at: 2018-04-10 09:18:23
End at: 2018-04-10 09:18:53
Local clock offset: 2.432 ms
Remote clock offset: -2.495 ms

# Below is generated by plot.py at 2018-04-10 17:20:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 85.728 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 85.728 ms
Loss rate: 0.86%
```

### Run 1: Report of PCC — Data Link

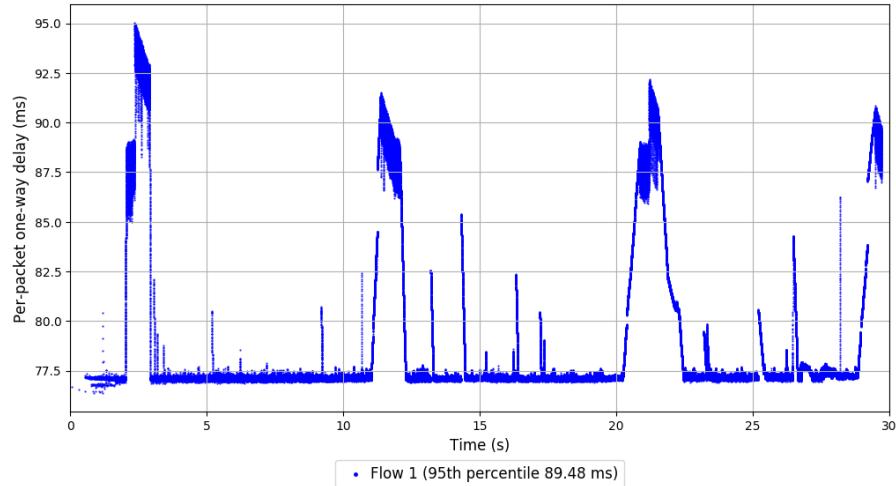
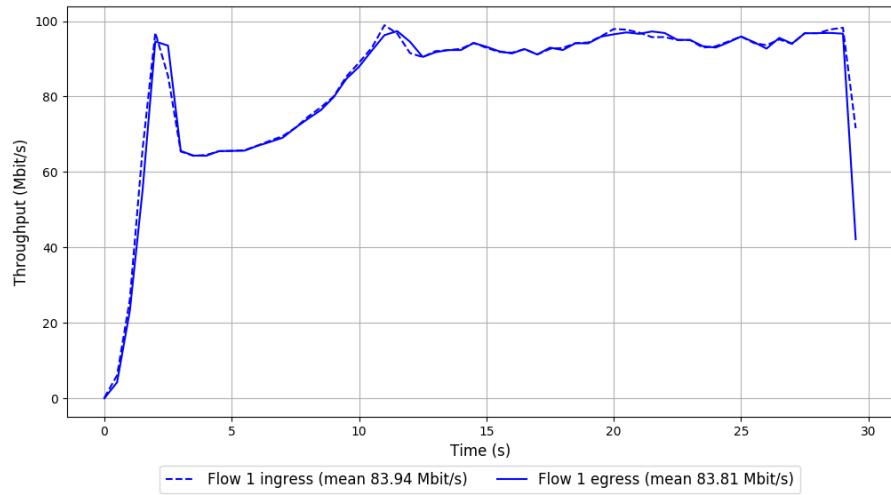


Run 2: Statistics of PCC

```
Start at: 2018-04-10 09:44:21
End at: 2018-04-10 09:44:51
Local clock offset: 2.012 ms
Remote clock offset: -5.292 ms

# Below is generated by plot.py at 2018-04-10 17:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 89.482 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 89.482 ms
Loss rate: 0.94%
```

## Run 2: Report of PCC — Data Link

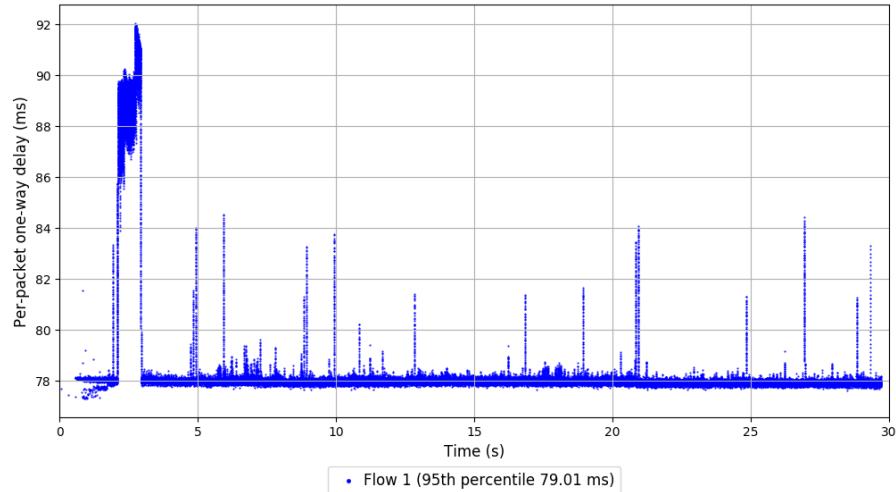
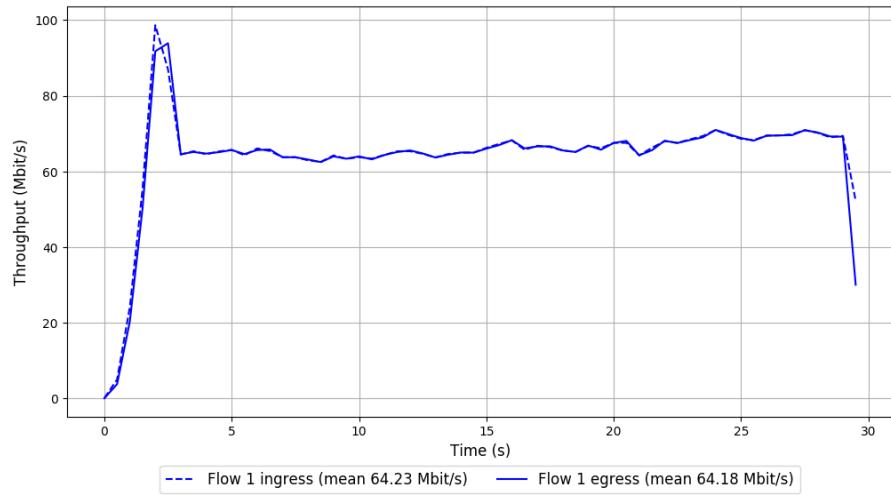


Run 3: Statistics of PCC

```
Start at: 2018-04-10 10:09:13
End at: 2018-04-10 10:09:43
Local clock offset: 1.118 ms
Remote clock offset: -8.764 ms

# Below is generated by plot.py at 2018-04-10 17:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 79.006 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 79.006 ms
Loss rate: 0.86%
```

### Run 3: Report of PCC — Data Link

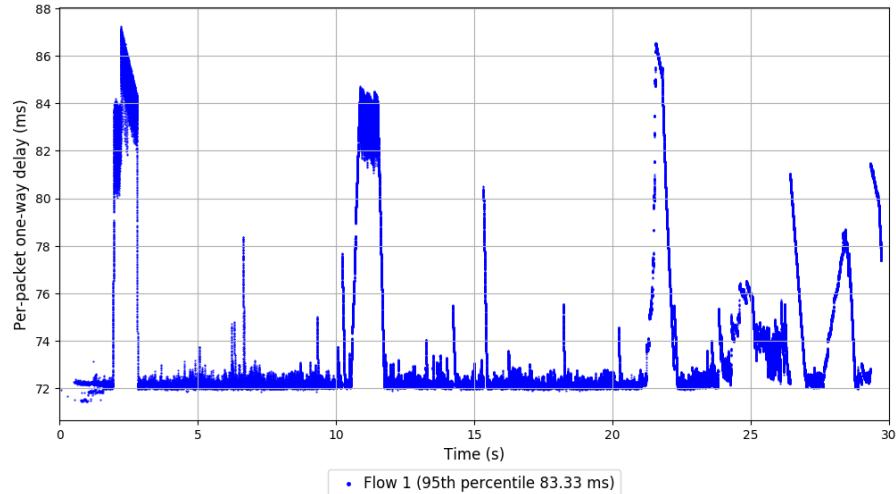
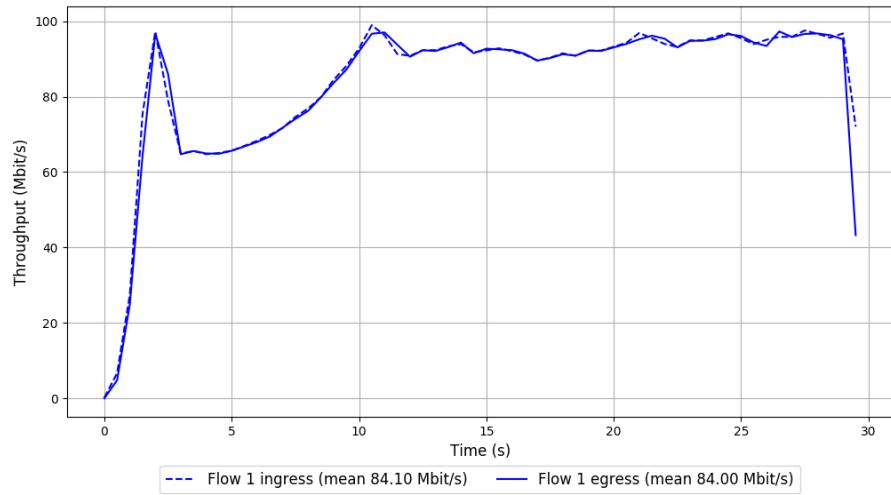


Run 4: Statistics of PCC

```
Start at: 2018-04-10 10:35:04
End at: 2018-04-10 10:35:34
Local clock offset: 1.961 ms
Remote clock offset: -13.648 ms

# Below is generated by plot.py at 2018-04-10 17:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 83.325 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 83.325 ms
Loss rate: 0.88%
```

## Run 4: Report of PCC — Data Link

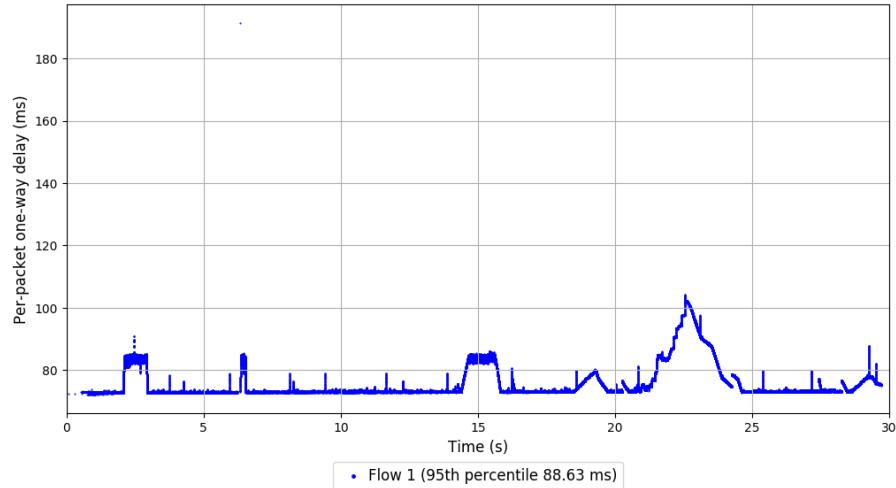
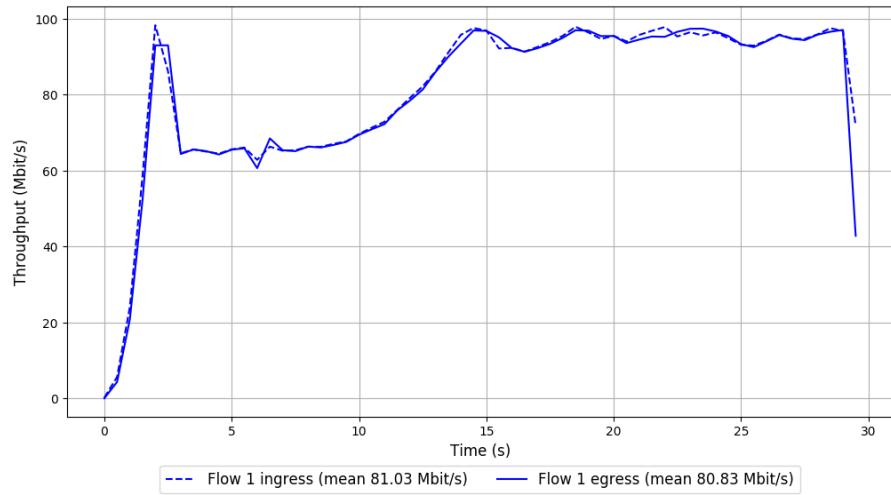


Run 5: Statistics of PCC

```
Start at: 2018-04-10 11:01:30
End at: 2018-04-10 11:02:00
Local clock offset: 1.881 ms
Remote clock offset: 16.546 ms

# Below is generated by plot.py at 2018-04-10 17:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 88.627 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 88.627 ms
Loss rate: 0.99%
```

### Run 5: Report of PCC — Data Link

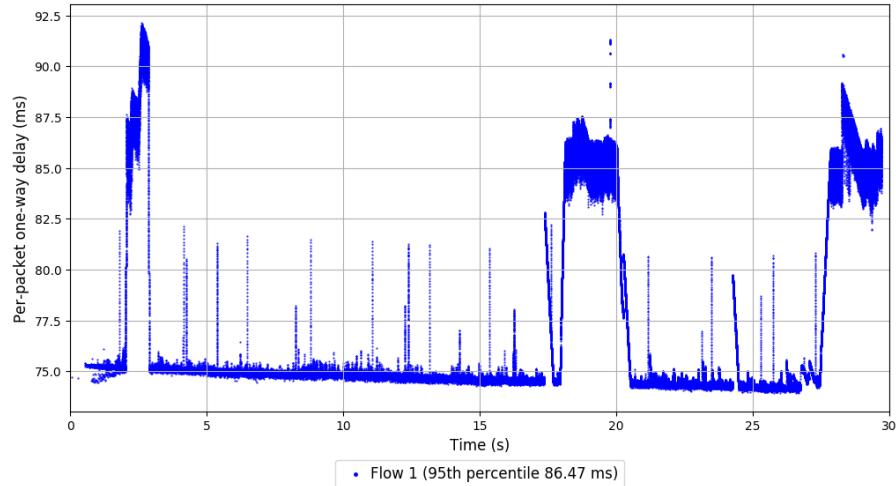
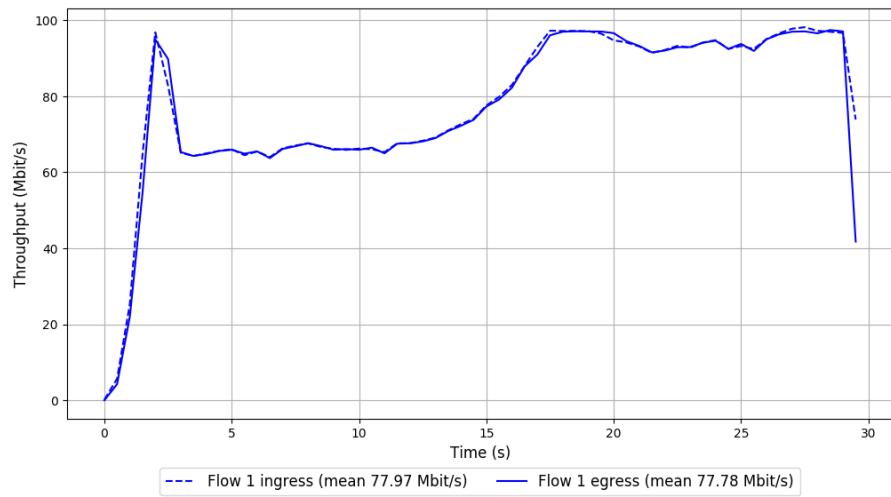


Run 6: Statistics of PCC

```
Start at: 2018-04-10 11:26:50
End at: 2018-04-10 11:27:20
Local clock offset: 14.739 ms
Remote clock offset: 5.36 ms

# Below is generated by plot.py at 2018-04-10 17:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 86.468 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 86.468 ms
Loss rate: 1.04%
```

Run 6: Report of PCC — Data Link

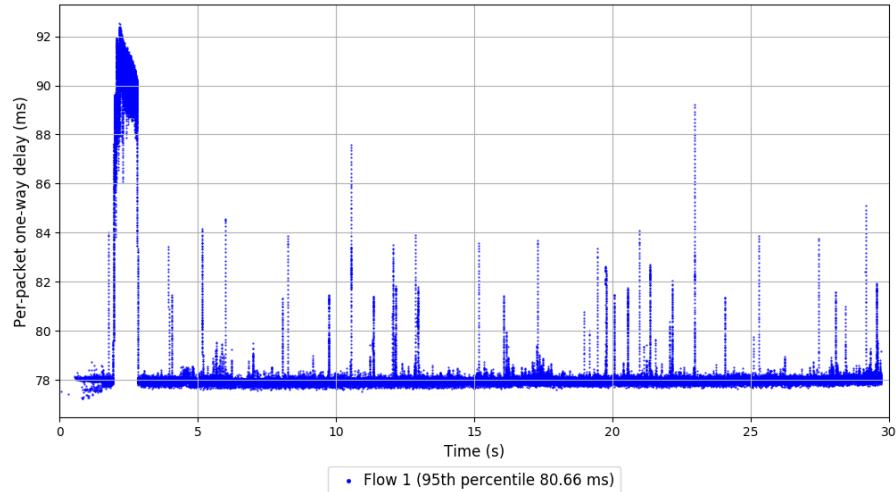
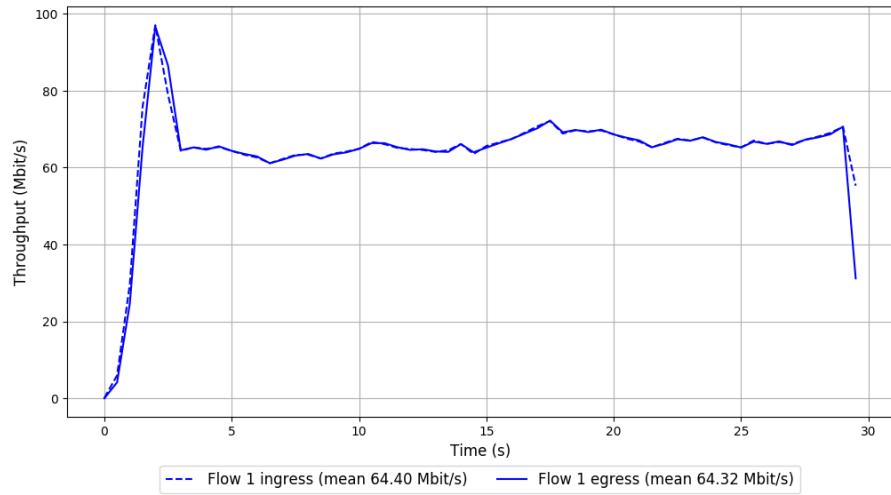


Run 7: Statistics of PCC

```
Start at: 2018-04-10 11:51:42
End at: 2018-04-10 11:52:12
Local clock offset: 37.77 ms
Remote clock offset: -0.245 ms

# Below is generated by plot.py at 2018-04-10 17:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.32 Mbit/s
95th percentile per-packet one-way delay: 80.659 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 64.32 Mbit/s
95th percentile per-packet one-way delay: 80.659 ms
Loss rate: 0.92%
```

## Run 7: Report of PCC — Data Link

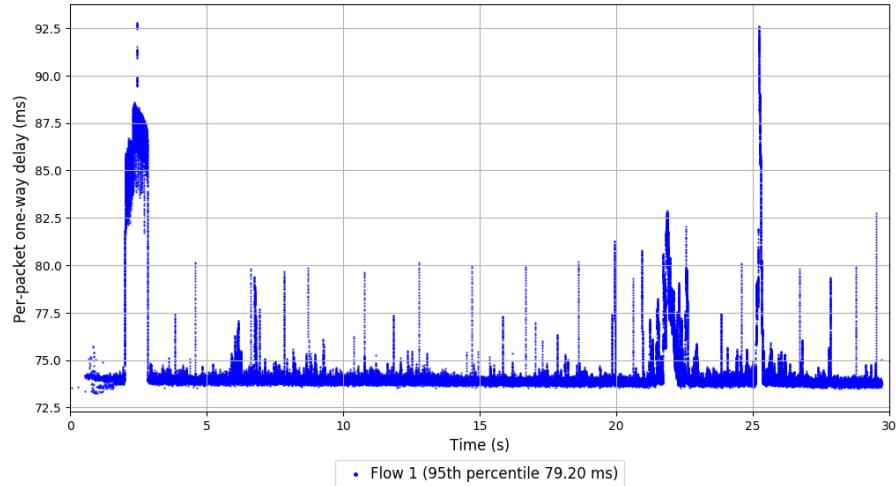
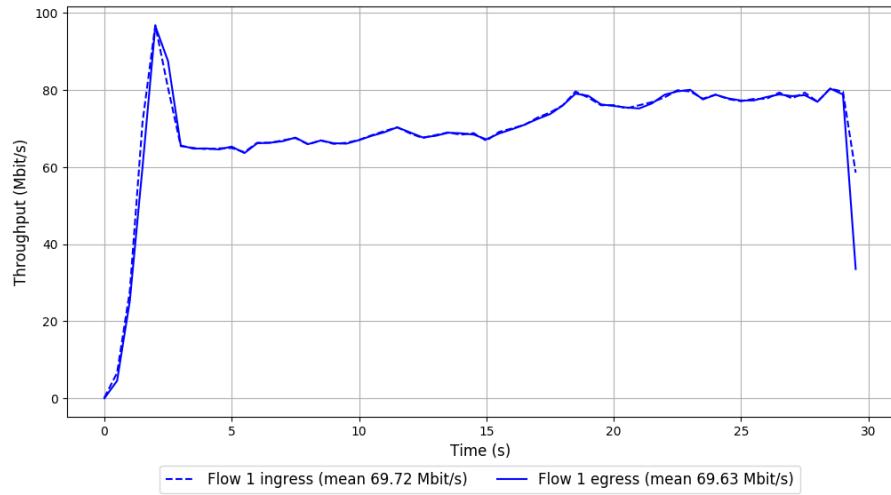


Run 8: Statistics of PCC

```
Start at: 2018-04-10 12:16:06
End at: 2018-04-10 12:16:36
Local clock offset: 48.794 ms
Remote clock offset: 5.72 ms

# Below is generated by plot.py at 2018-04-10 17:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 79.203 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 79.203 ms
Loss rate: 0.90%
```

### Run 8: Report of PCC — Data Link

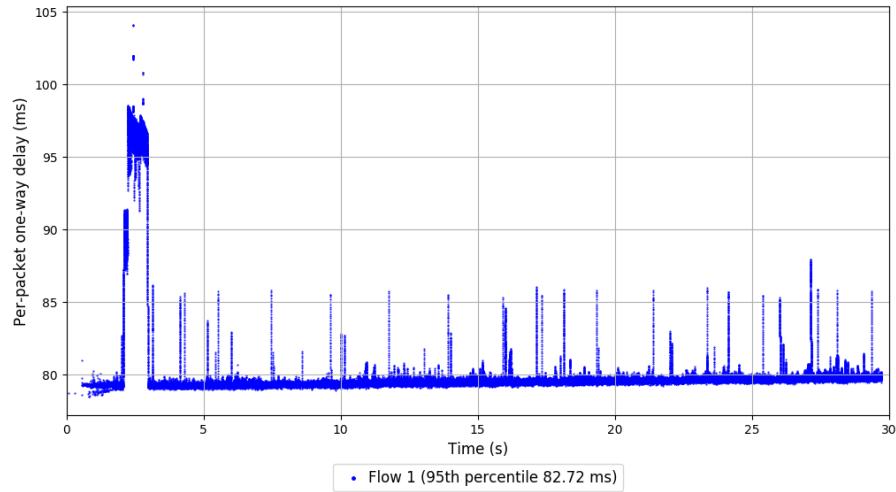
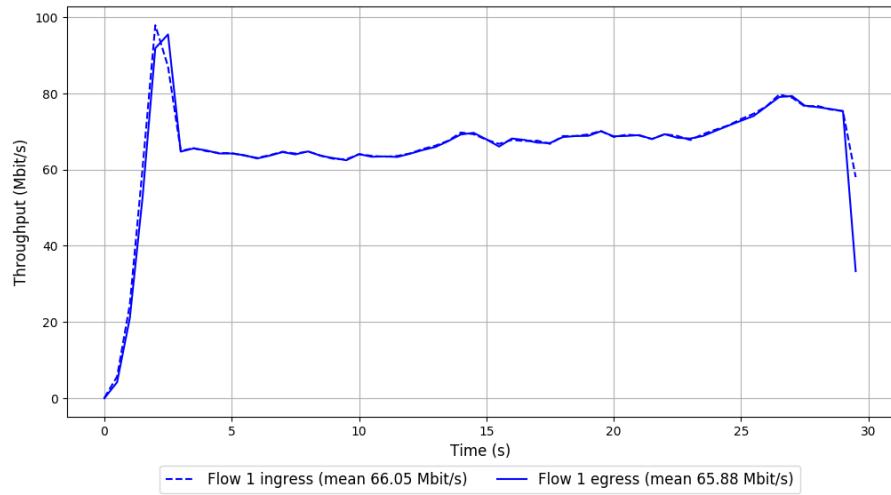


Run 9: Statistics of PCC

```
Start at: 2018-04-10 12:40:48
End at: 2018-04-10 12:41:18
Local clock offset: 33.572 ms
Remote clock offset: 16.257 ms

# Below is generated by plot.py at 2018-04-10 17:21:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 82.722 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 82.722 ms
Loss rate: 1.03%
```

### Run 9: Report of PCC — Data Link

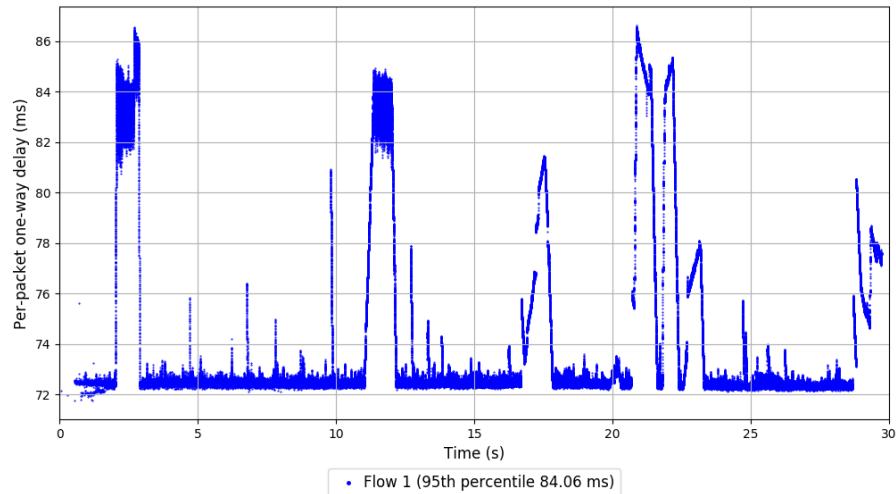
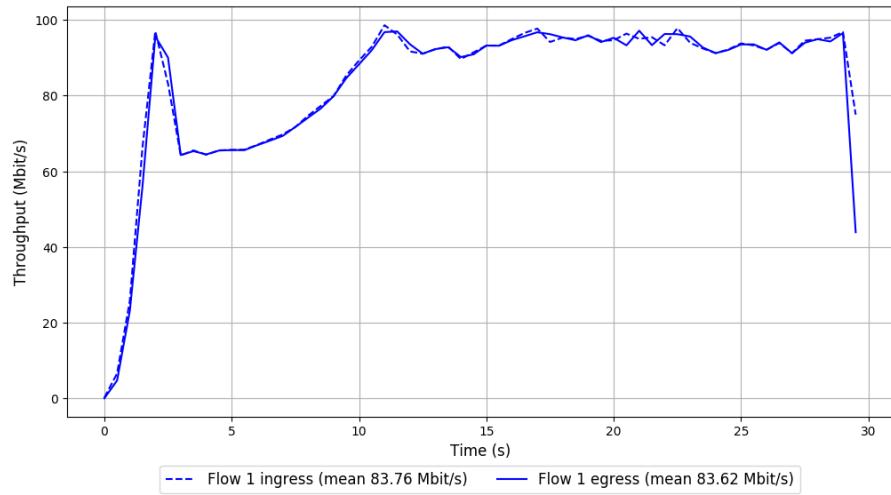


Run 10: Statistics of PCC

```
Start at: 2018-04-10 13:05:42
End at: 2018-04-10 13:06:12
Local clock offset: 23.37 ms
Remote clock offset: 8.413 ms

# Below is generated by plot.py at 2018-04-10 17:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 84.057 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 84.057 ms
Loss rate: 0.92%
```

### Run 10: Report of PCC — Data Link

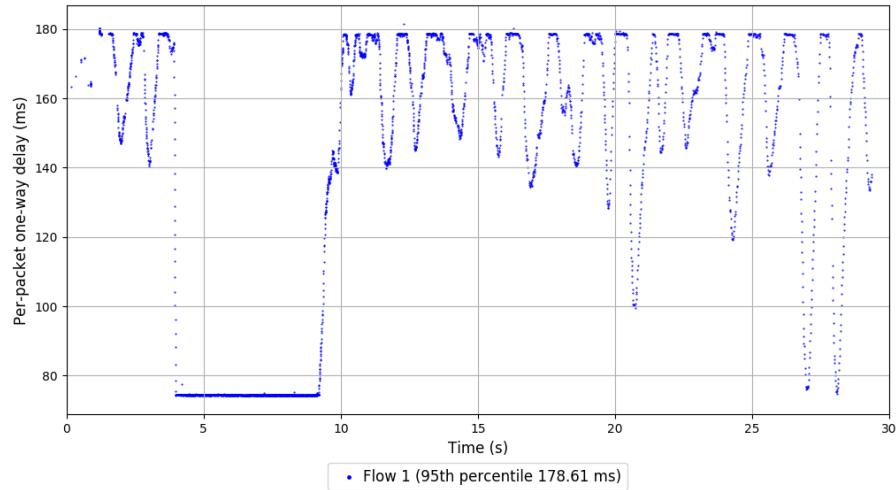
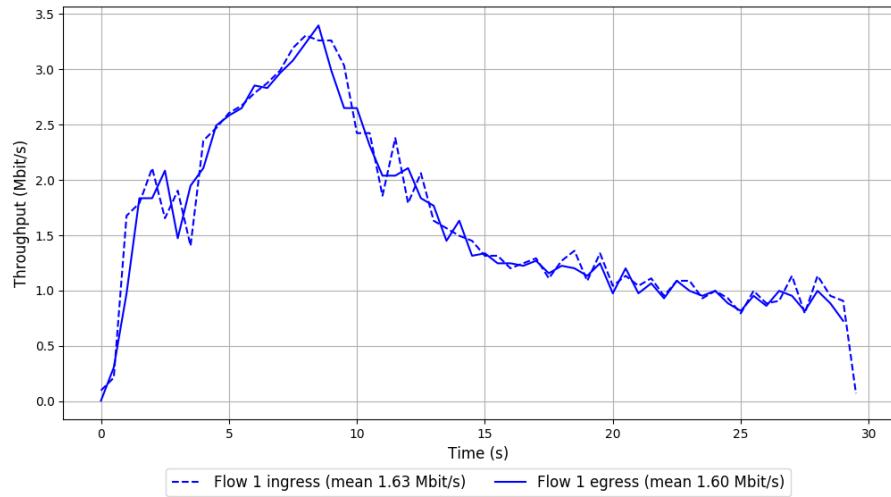


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 09:23:54
End at: 2018-04-10 09:24:24
Local clock offset: 2.363 ms
Remote clock offset: -5.512 ms

# Below is generated by plot.py at 2018-04-10 17:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 178.612 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 178.612 ms
Loss rate: 2.45%
```

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

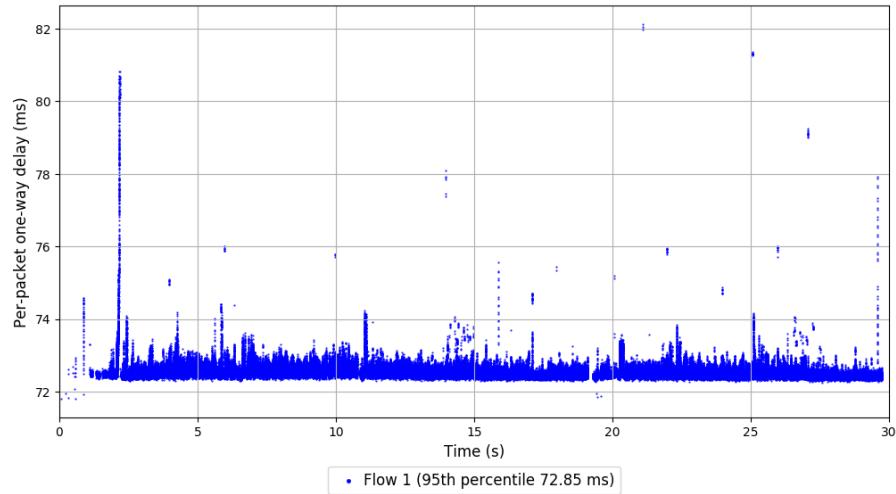
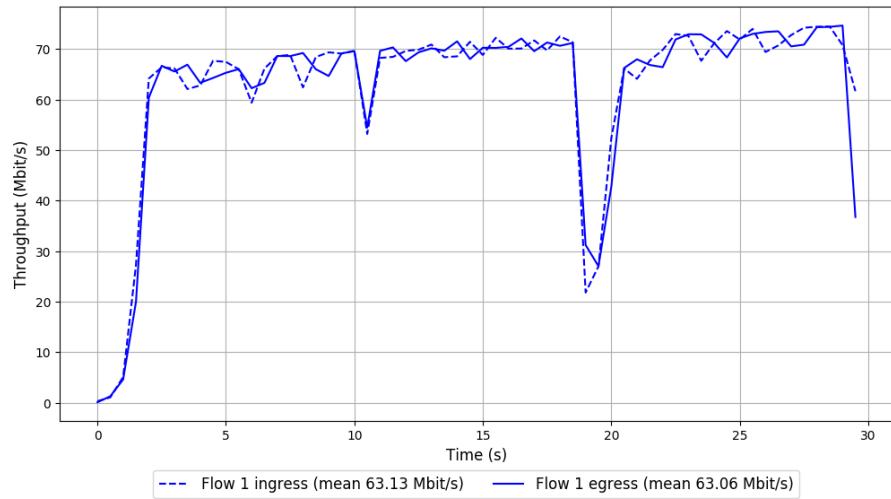


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-04-10 09:48:20
End at: 2018-04-10 09:48:50
Local clock offset: 1.75 ms
Remote clock offset: -5.506 ms

# Below is generated by plot.py at 2018-04-10 17:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 72.853 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 72.853 ms
Loss rate: 0.88%
```

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



Run 3: Statistics of QUIC Cubic

/home/ubuntu/pantheon\_data/2018-04-10T09-00-China-to-AWS-Korea-10-runs/quic\_stats\_run3.log

Run 3: Report of QUIC Cubic — Data Link

Figure is missing

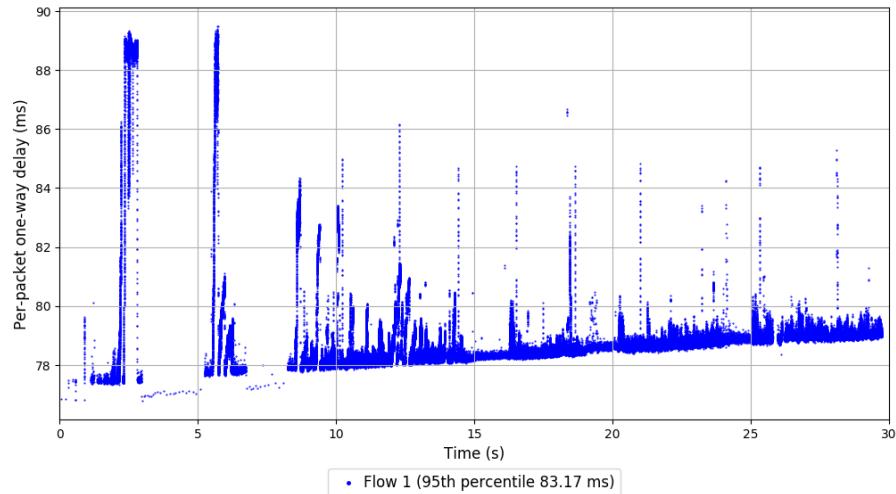
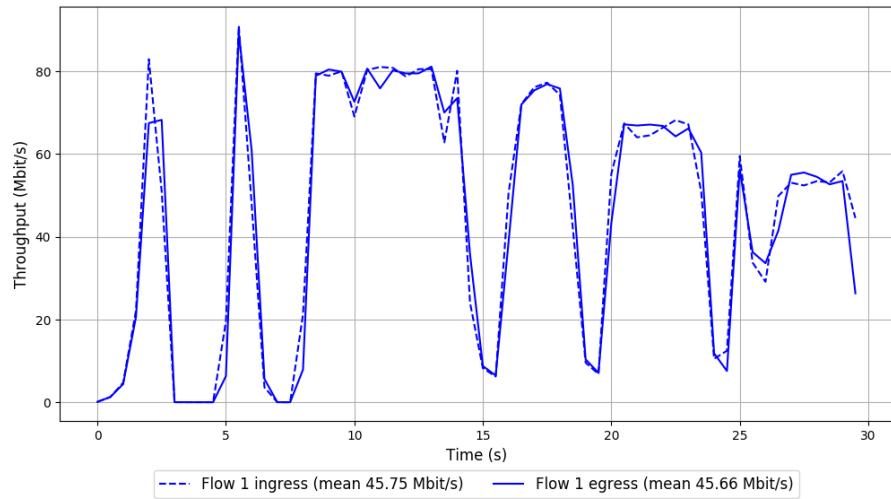
Figure is missing

Run 4: Statistics of QUIC Cubic

```
Start at: 2018-04-10 10:41:10
End at: 2018-04-10 10:41:40
Local clock offset: 2.127 ms
Remote clock offset: -12.929 ms

# Below is generated by plot.py at 2018-04-10 17:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 83.170 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 83.170 ms
Loss rate: 0.94%
```

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

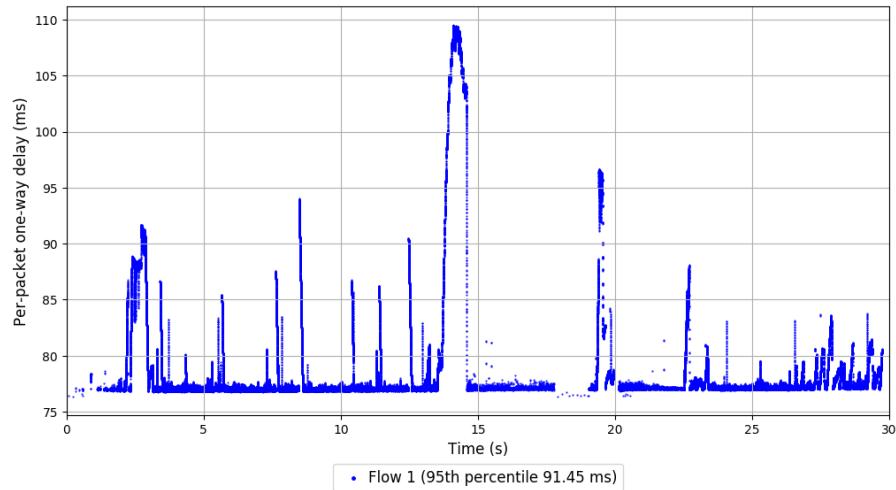
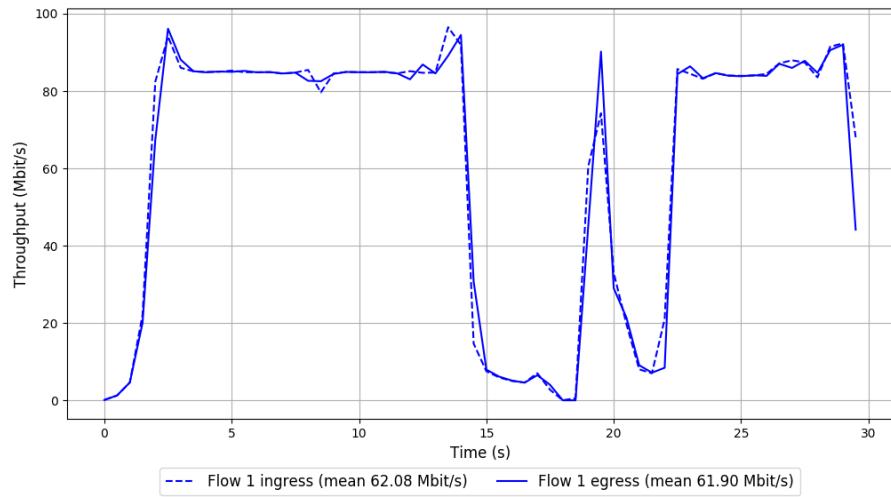


```
Run 5: Statistics of QUIC Cubic
```

```
Start at: 2018-04-10 11:05:39
End at: 2018-04-10 11:06:09
Local clock offset: 2.023 ms
Remote clock offset: 18.867 ms

# Below is generated by plot.py at 2018-04-10 17:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 91.455 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 91.455 ms
Loss rate: 1.06%
```

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

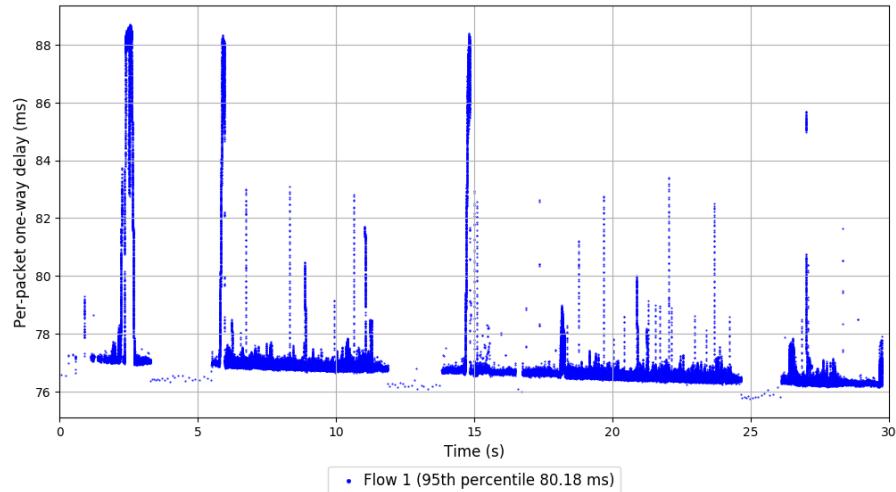
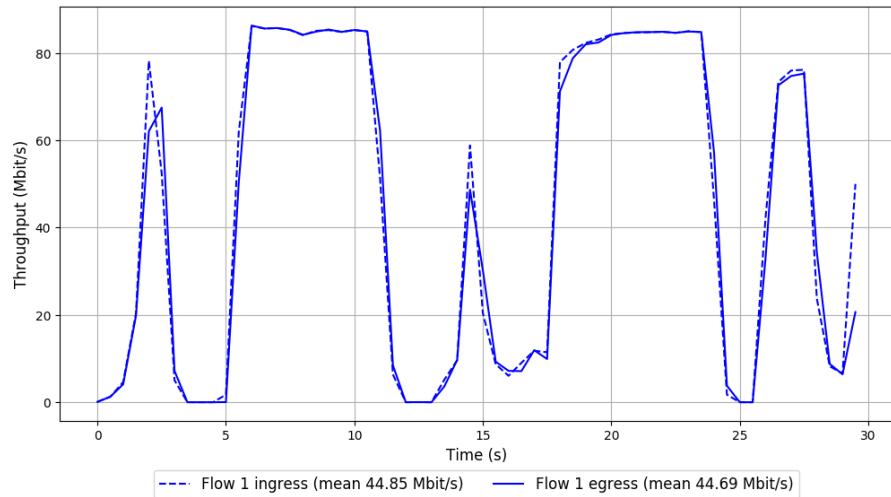


```
Run 6: Statistics of QUIC Cubic
```

```
Start at: 2018-04-10 11:30:49
End at: 2018-04-10 11:31:19
Local clock offset: 21.421 ms
Remote clock offset: 2.694 ms

# Below is generated by plot.py at 2018-04-10 17:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.69 Mbit/s
95th percentile per-packet one-way delay: 80.184 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 44.69 Mbit/s
95th percentile per-packet one-way delay: 80.184 ms
Loss rate: 1.15%
```

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

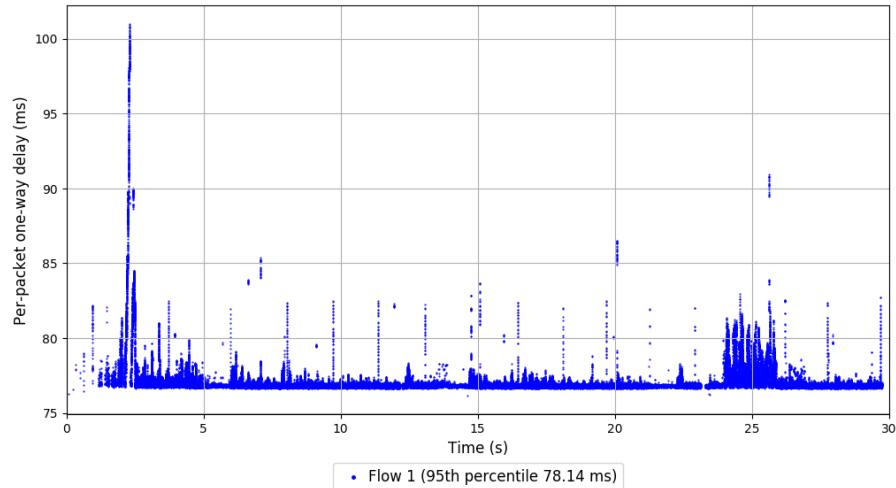
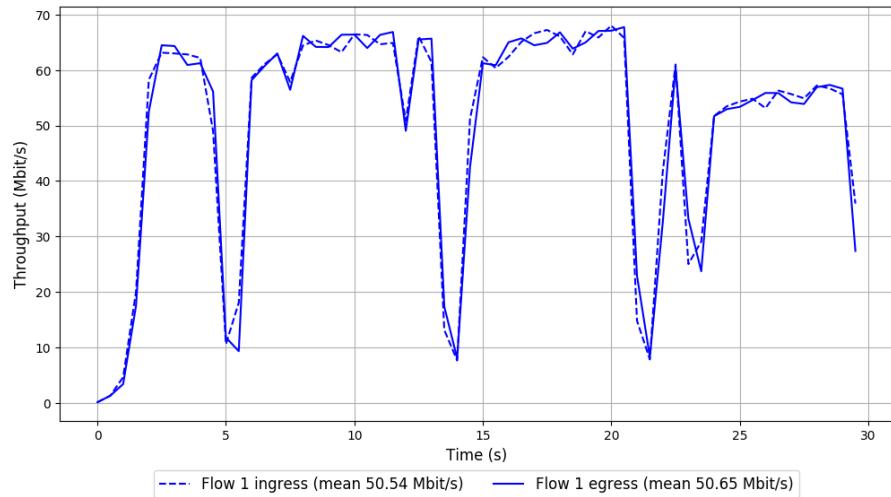


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-04-10 11:55:42
End at: 2018-04-10 11:56:12
Local clock offset: 39.697 ms
Remote clock offset: 2.119 ms

# Below is generated by plot.py at 2018-04-10 17:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 78.135 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 78.135 ms
Loss rate: 0.57%
```

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

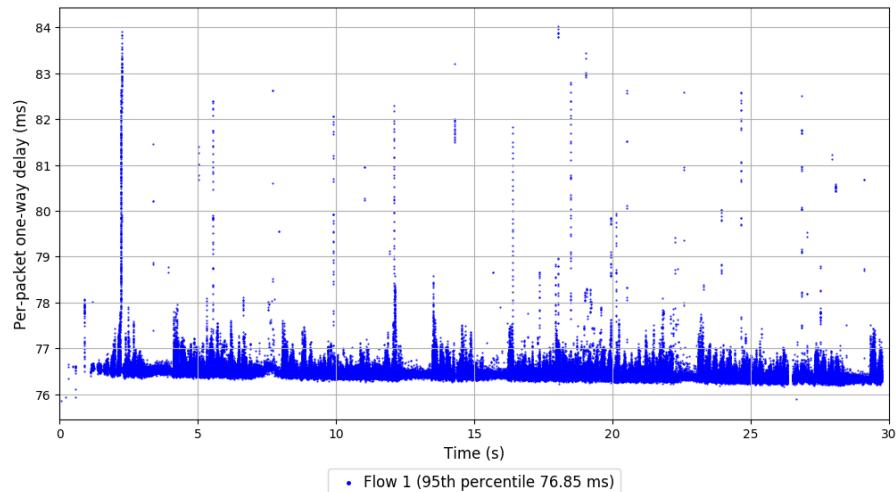
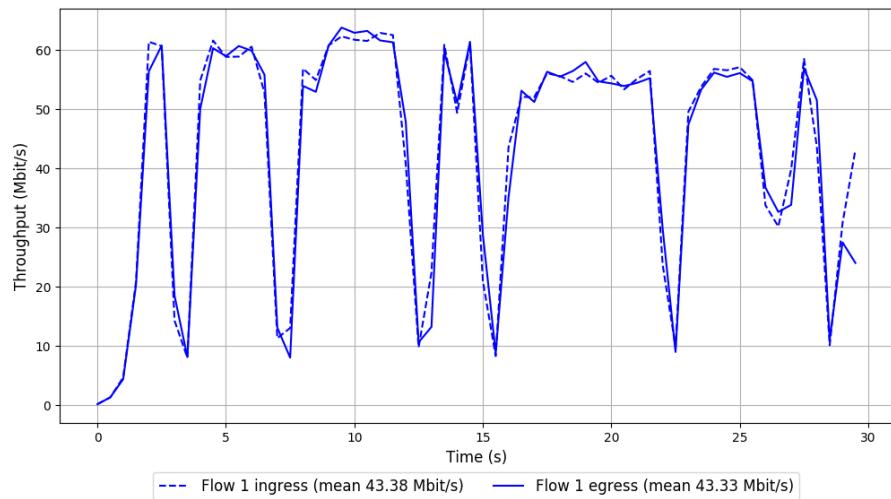


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-04-10 12:20:06
End at: 2018-04-10 12:20:36
Local clock offset: 50.534 ms
Remote clock offset: 5.815 ms

# Below is generated by plot.py at 2018-04-10 17:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 76.849 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 76.849 ms
Loss rate: 0.92%
```

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

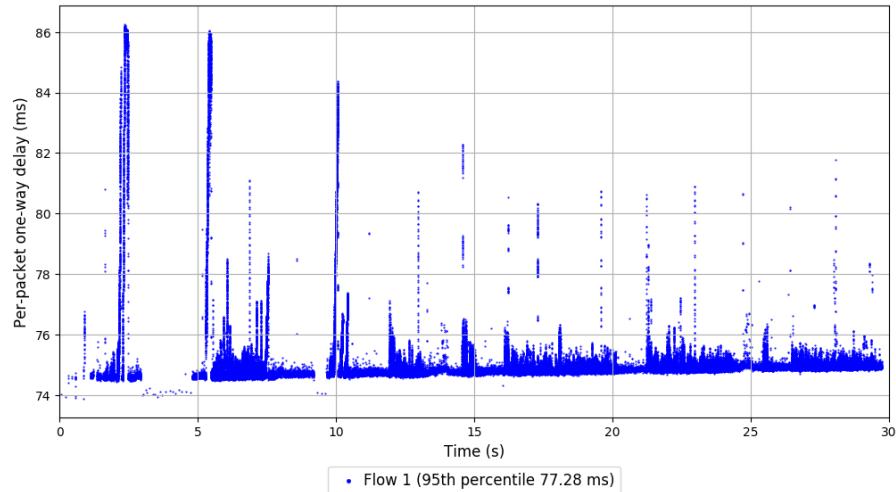
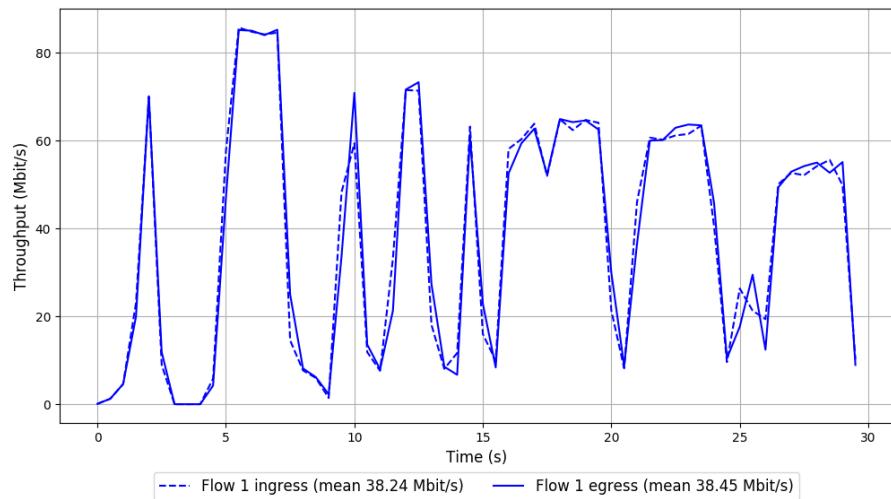


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-04-10 12:44:57
End at: 2018-04-10 12:45:27
Local clock offset: 30.268 ms
Remote clock offset: 17.562 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 77.280 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 77.280 ms
Loss rate: 0.23%
```

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



Run 10: Statistics of QUIC Cubic

/home/ubuntu/pantheon\_data/2018-04-10T09-00-China-to-AWS-Korea-10-runs/quic\_stats\_run10.log

Run 10: Report of QUIC Cubic — Data Link

Figure is missing

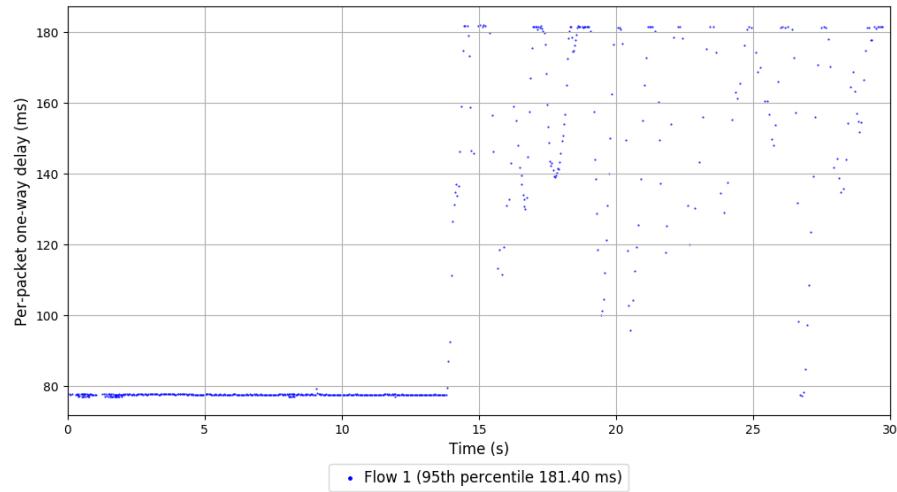
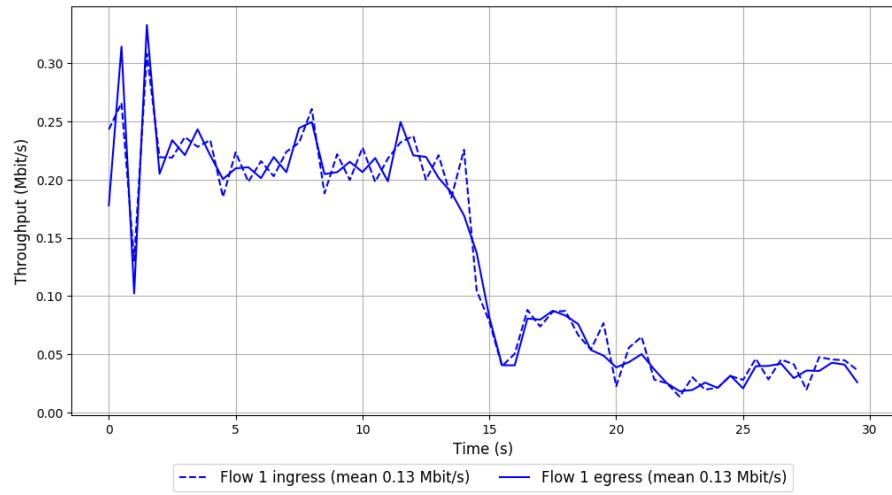
Figure is missing

Run 1: Statistics of SCReAM

```
Start at: 2018-04-10 09:19:44
End at: 2018-04-10 09:20:14
Local clock offset: 2.264 ms
Remote clock offset: -3.361 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 181.396 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 181.396 ms
Loss rate: 1.47%
```

Run 1: Report of SCReAM — Data Link

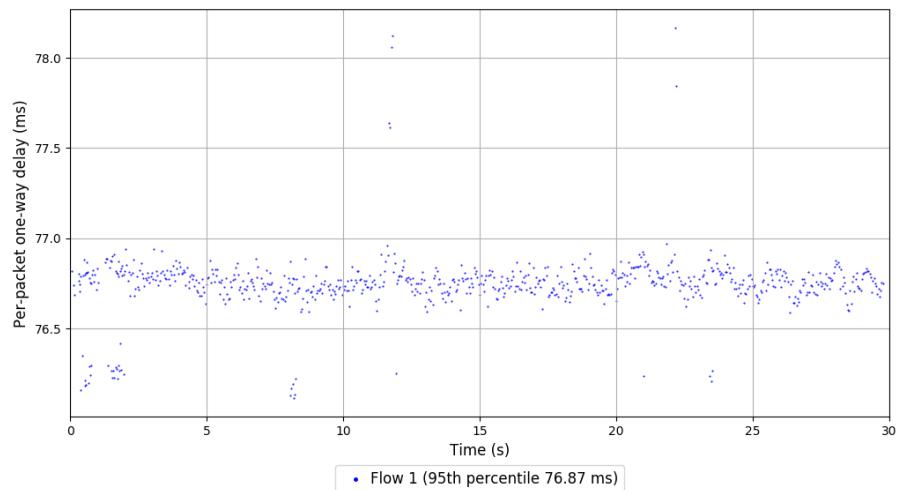
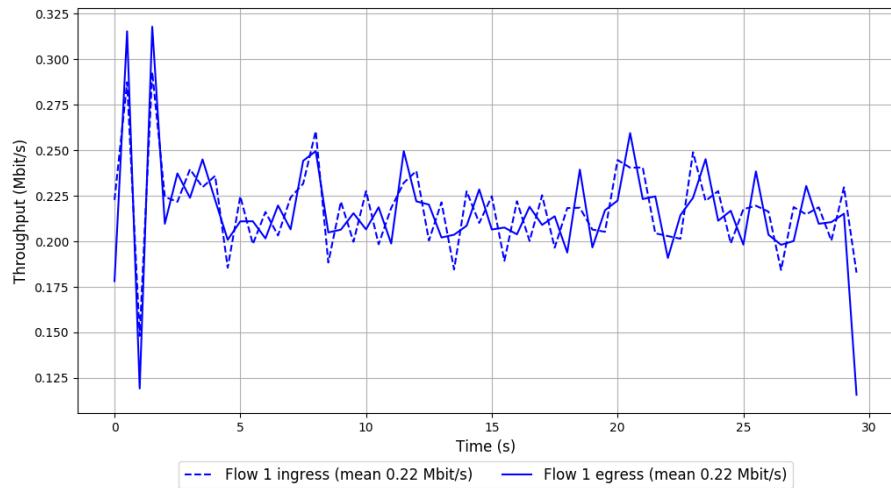


Run 2: Statistics of SCReAM

```
Start at: 2018-04-10 09:45:42
End at: 2018-04-10 09:46:12
Local clock offset: 1.842 ms
Remote clock offset: -5.322 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.874 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 76.874 ms
Loss rate: 0.76%
```

## Run 2: Report of SCReAM — Data Link

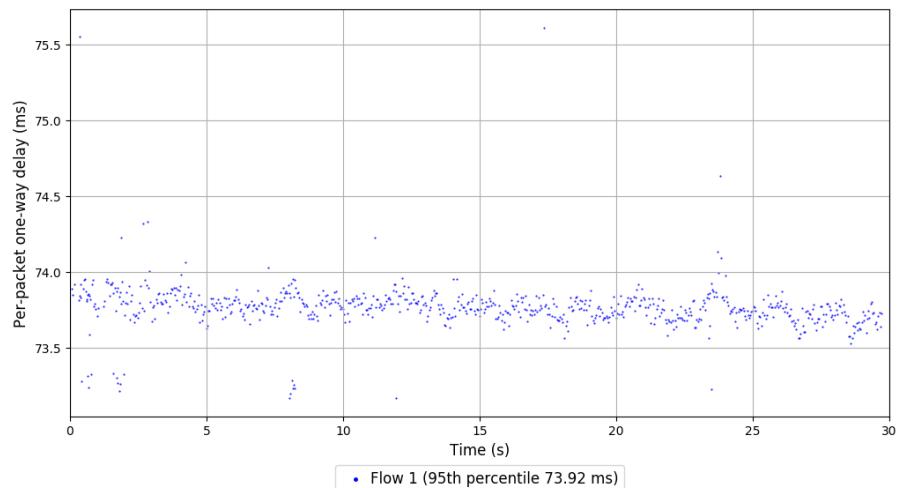
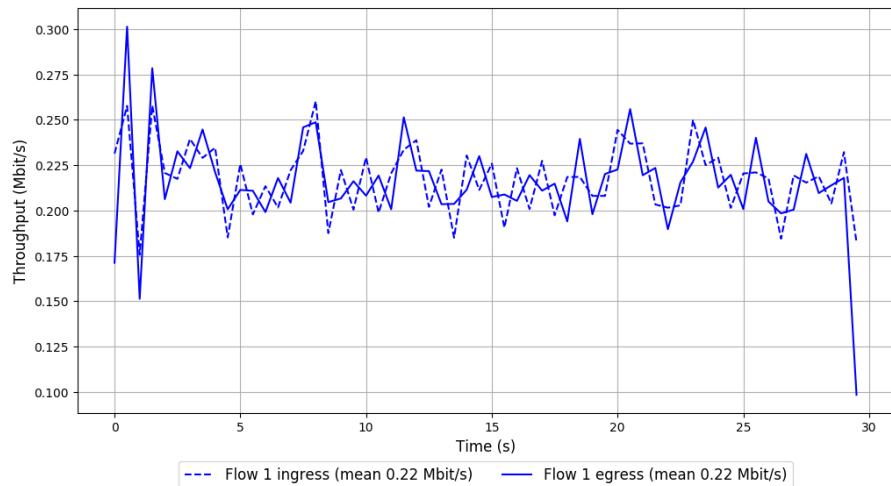


Run 3: Statistics of SCReAM

```
Start at: 2018-04-10 10:10:34
End at: 2018-04-10 10:11:04
Local clock offset: 1.132 ms
Remote clock offset: -9.073 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.915 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 73.915 ms
Loss rate: 0.89%
```

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

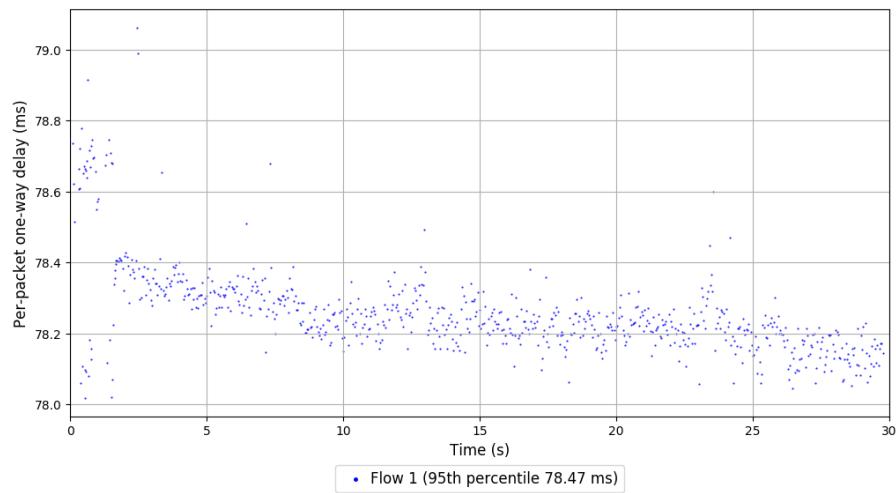
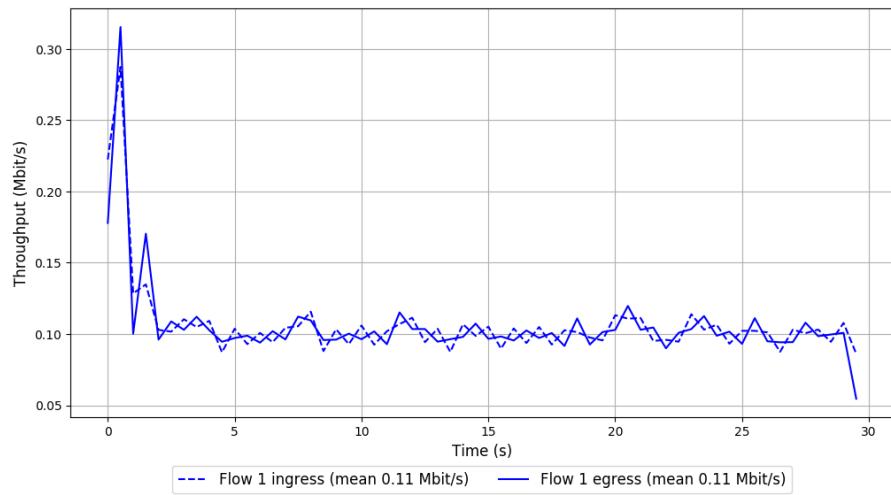


Run 4: Statistics of SCReAM

```
Start at: 2018-04-10 10:38:31
End at: 2018-04-10 10:39:01
Local clock offset: 2.114 ms
Remote clock offset: -14.228 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 78.471 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 78.471 ms
Loss rate: 0.73%
```

Run 4: Report of SCReAM — Data Link

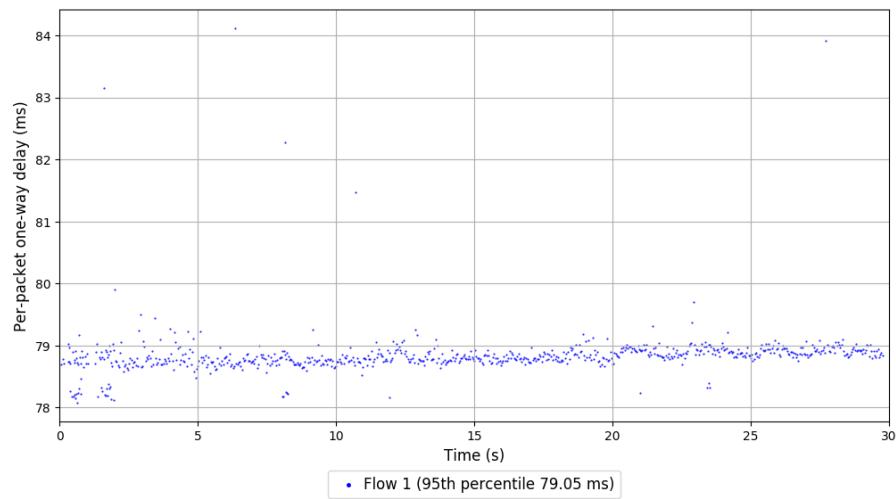
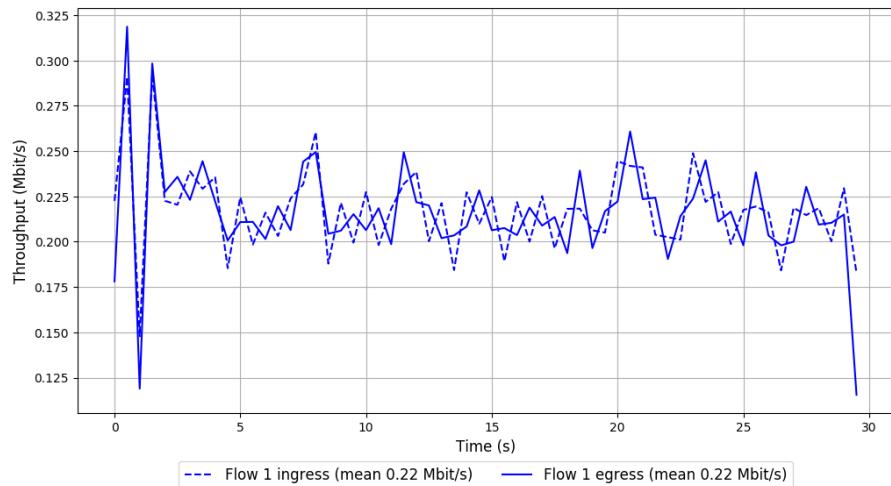


Run 5: Statistics of SCReAM

```
Start at: 2018-04-10 11:02:51
End at: 2018-04-10 11:03:21
Local clock offset: 2.047 ms
Remote clock offset: 17.432 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.054 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.054 ms
Loss rate: 0.76%
```

Run 5: Report of SCReAM — Data Link

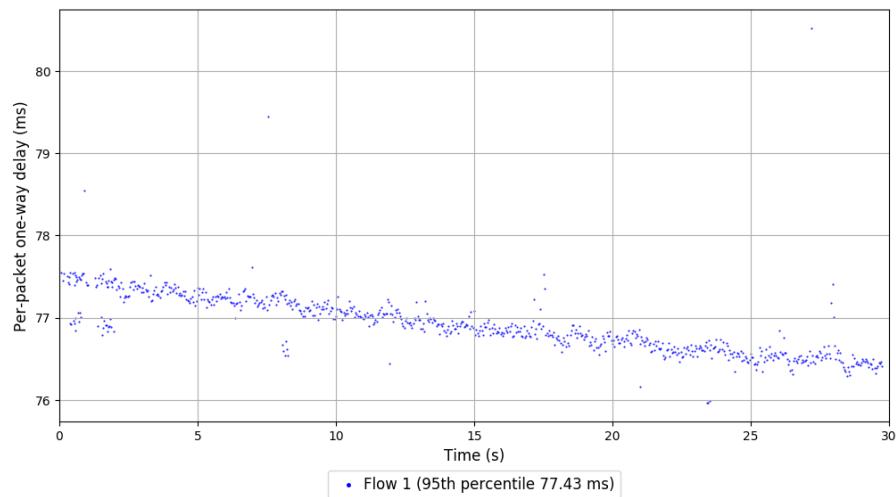
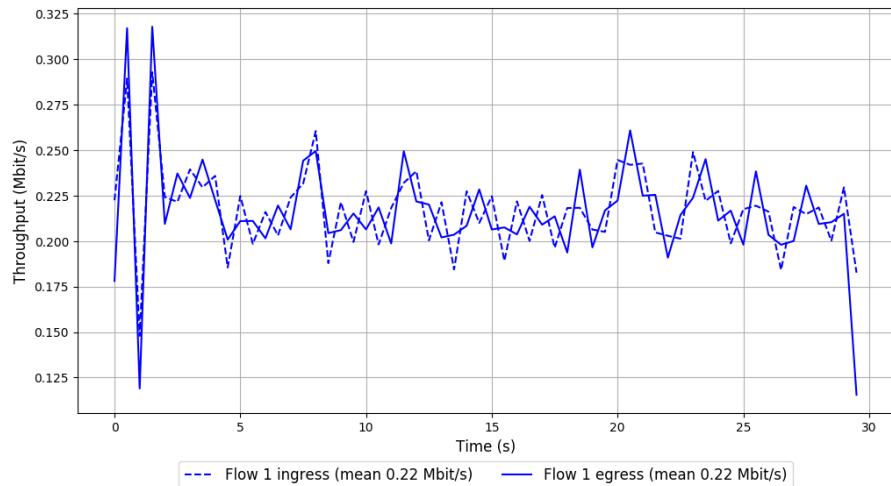


Run 6: Statistics of SCReAM

```
Start at: 2018-04-10 11:28:11
End at: 2018-04-10 11:28:41
Local clock offset: 17.689 ms
Remote clock offset: 4.388 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.429 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.429 ms
Loss rate: 0.76%
```

## Run 6: Report of SCReAM — Data Link

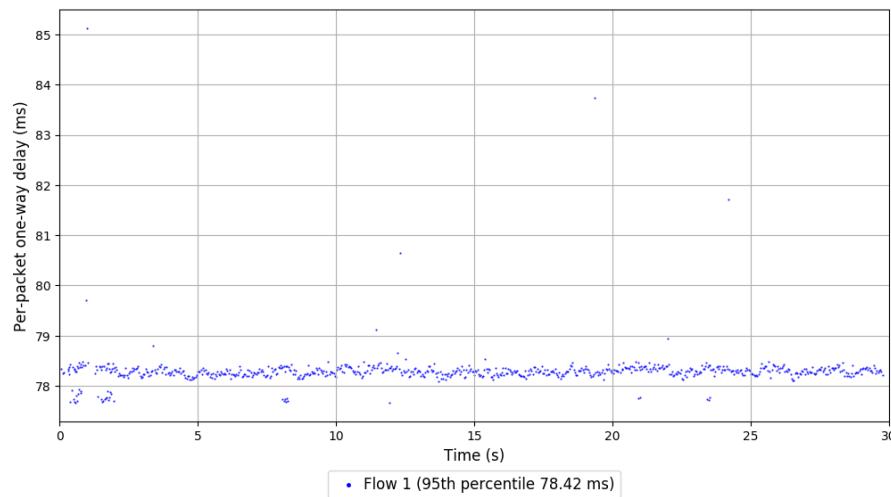
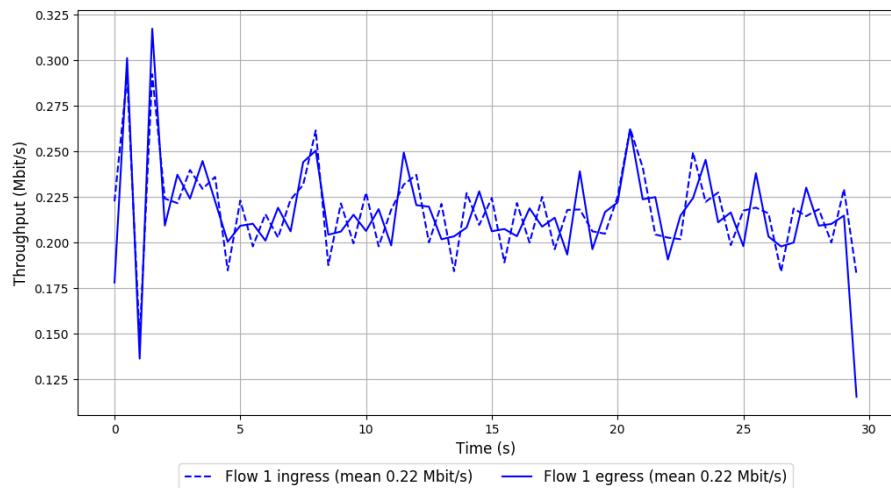


Run 7: Statistics of SCReAM

```
Start at: 2018-04-10 11:53:03
End at: 2018-04-10 11:53:33
Local clock offset: 38.285 ms
Remote clock offset: 0.602 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.423 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.423 ms
Loss rate: 0.76%
```

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

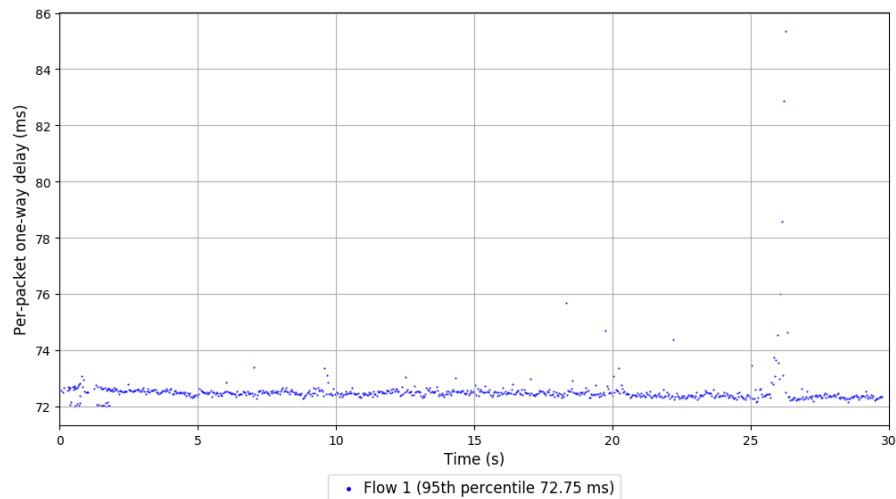
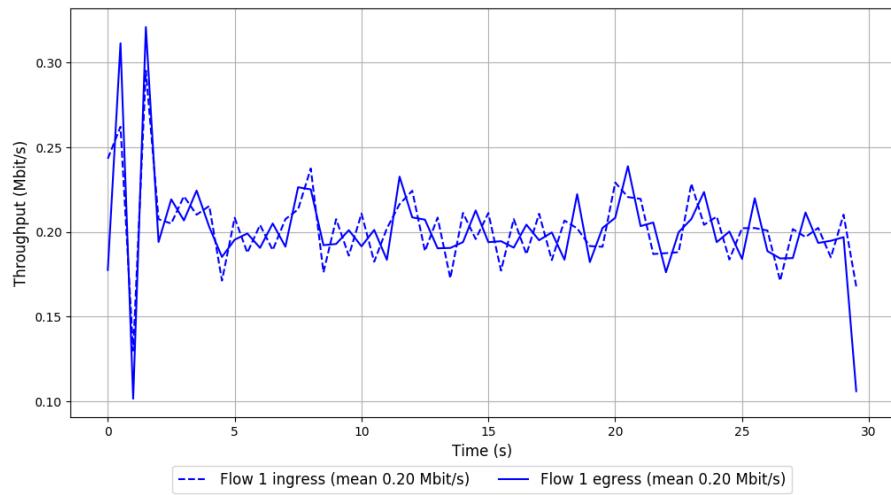


Run 8: Statistics of SCReAM

```
Start at: 2018-04-10 12:17:27
End at: 2018-04-10 12:17:57
Local clock offset: 49.428 ms
Remote clock offset: 5.654 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 72.746 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 72.746 ms
Loss rate: 0.75%
```

Run 8: Report of SCReAM — Data Link

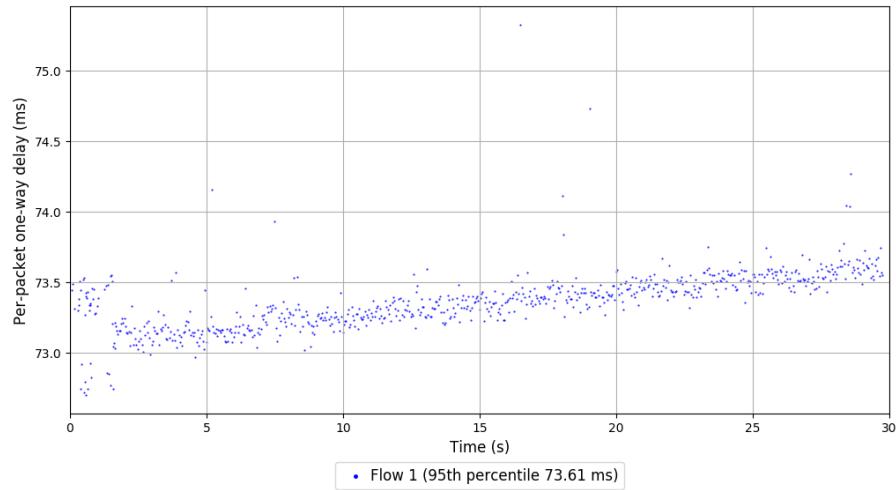
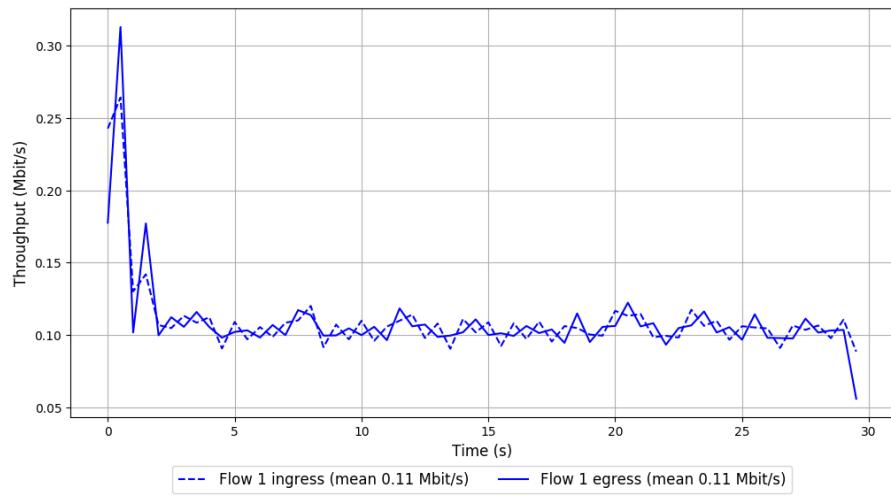


Run 9: Statistics of SCReAM

```
Start at: 2018-04-10 12:42:10
End at: 2018-04-10 12:42:40
Local clock offset: 32.495 ms
Remote clock offset: 16.778 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 73.612 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 73.612 ms
Loss rate: 0.73%
```

Run 9: Report of SCReAM — Data Link

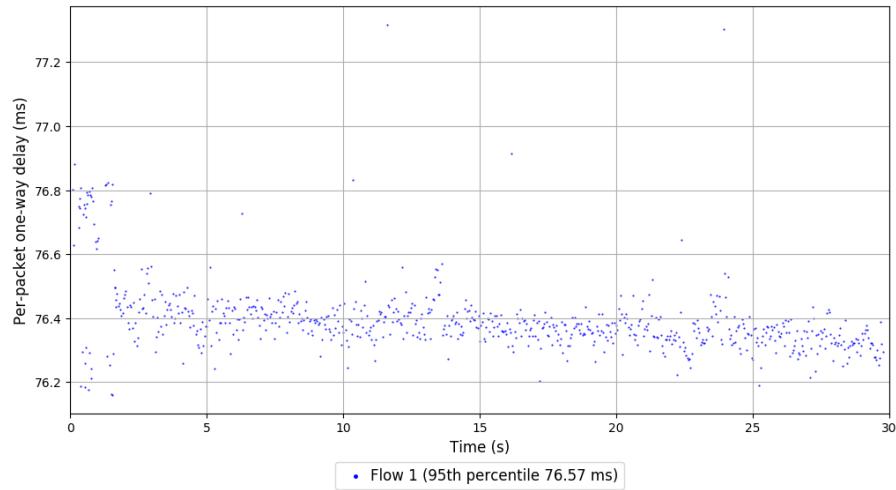
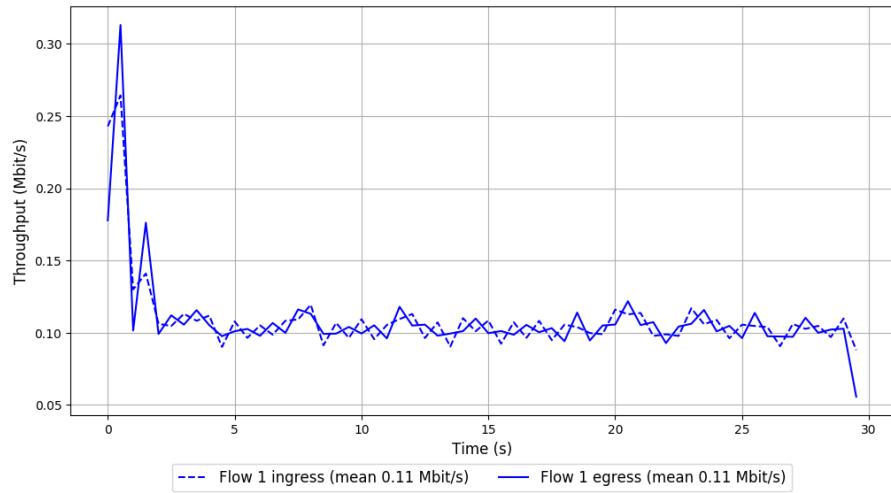


Run 10: Statistics of SCReAM

```
Start at: 2018-04-10 13:07:03
End at: 2018-04-10 13:07:33
Local clock offset: 22.487 ms
Remote clock offset: 7.28 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 76.569 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 76.569 ms
Loss rate: 0.73%
```

## Run 10: Report of SCReAM — Data Link

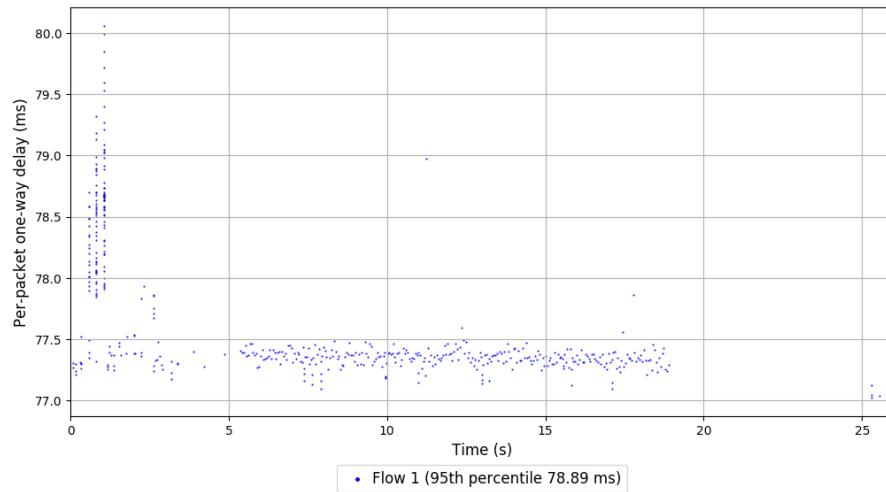
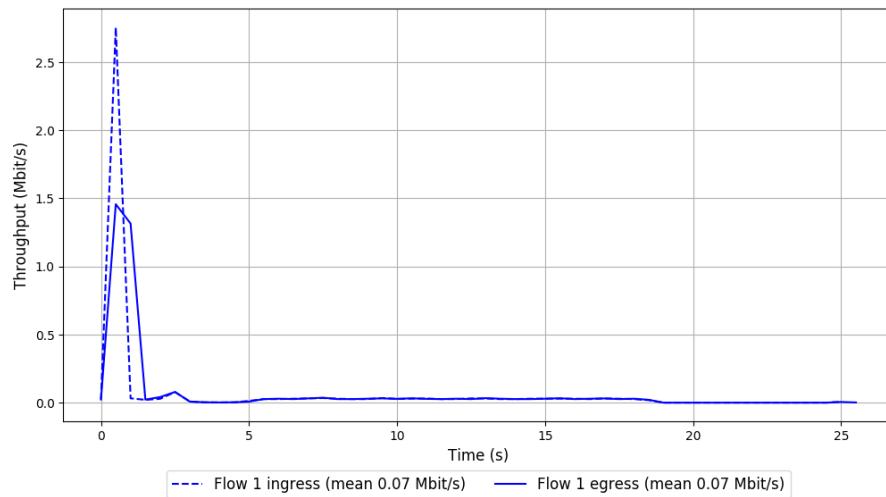


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-10 09:26:37
End at: 2018-04-10 09:27:07
Local clock offset: 2.239 ms
Remote clock offset: -6.643 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 78.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 78.886 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

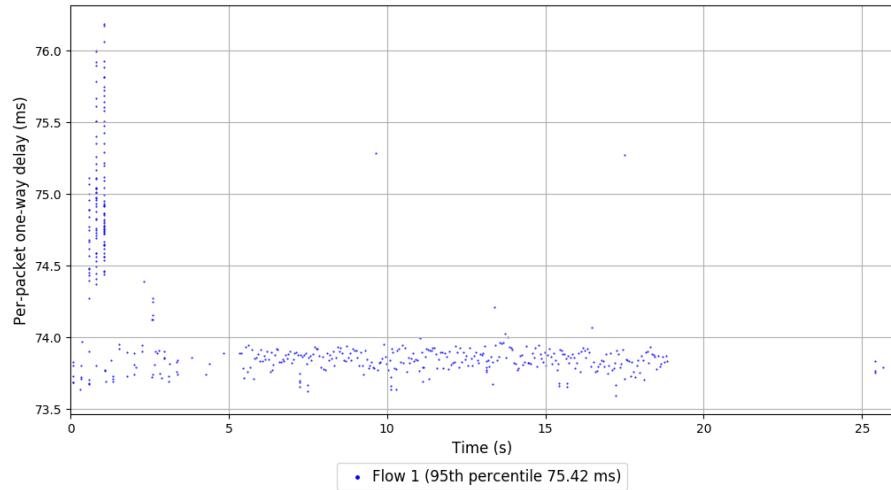
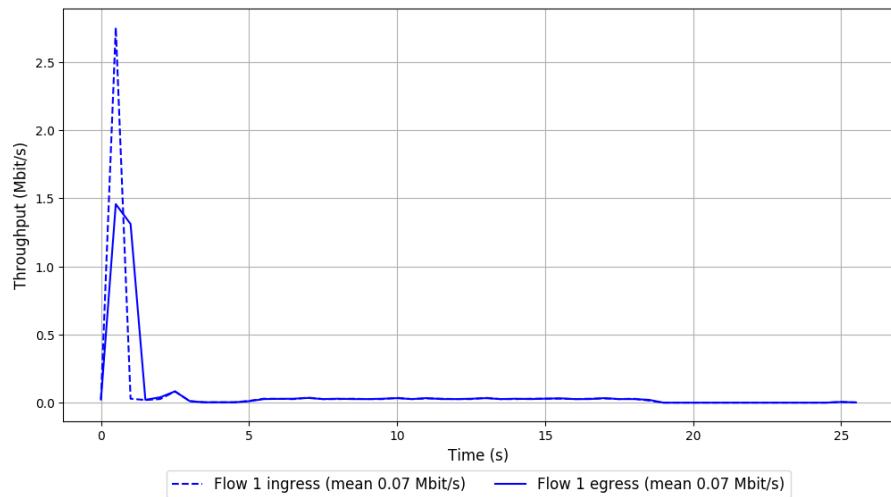


Run 2: Statistics of WebRTC media

```
Start at: 2018-04-10 09:51:00
End at: 2018-04-10 09:51:31
Local clock offset: 1.743 ms
Remote clock offset: -5.875 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 75.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 75.425 ms
Loss rate: 0.00%
```

## Run 2: Report of WebRTC media — Data Link

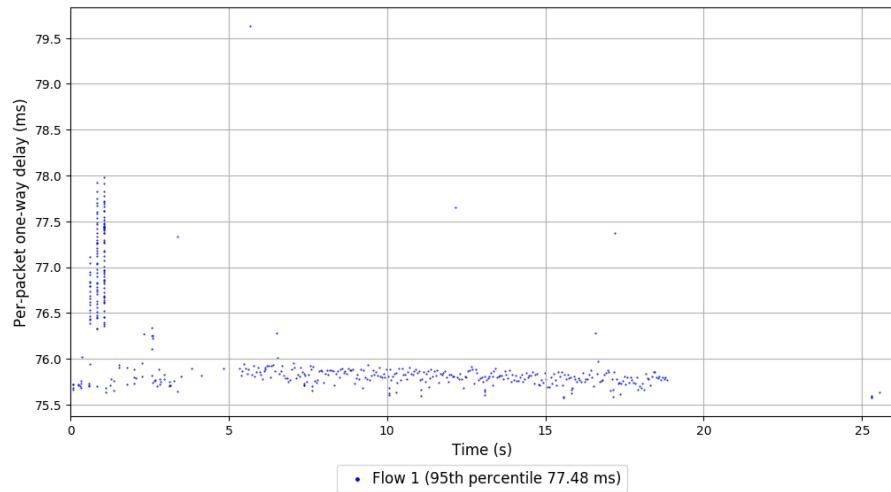
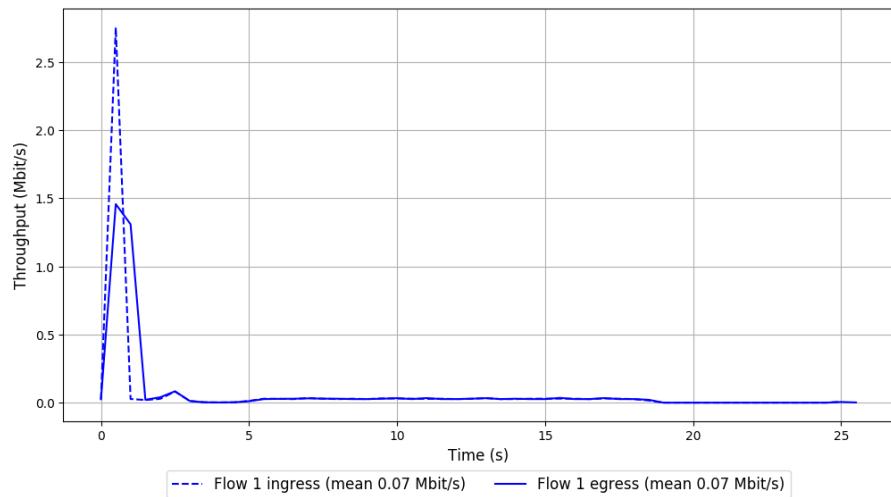


Run 3: Statistics of WebRTC media

```
Start at: 2018-04-10 10:16:36
End at: 2018-04-10 10:17:06
Local clock offset: 1.265 ms
Remote clock offset: -10.113 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 77.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 77.479 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

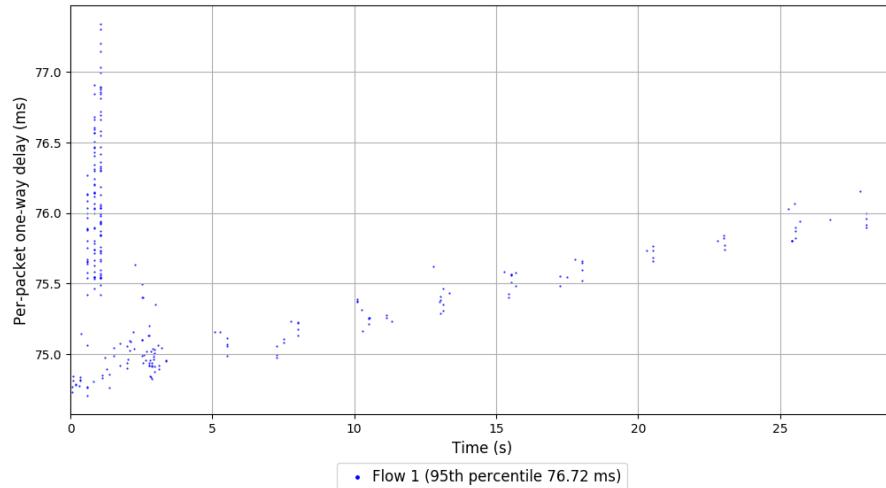
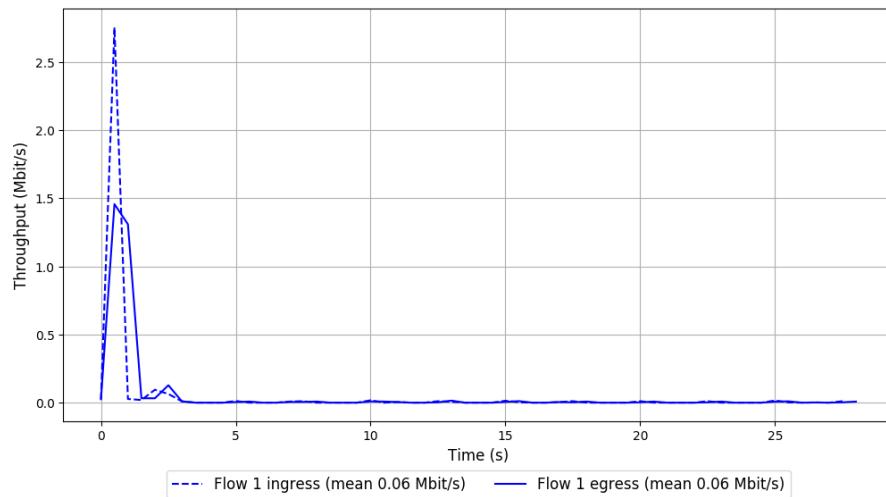


Run 4: Statistics of WebRTC media

```
Start at: 2018-04-10 10:43:49
End at: 2018-04-10 10:44:19
Local clock offset: 2.011 ms
Remote clock offset: -5.913 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 76.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 76.715 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

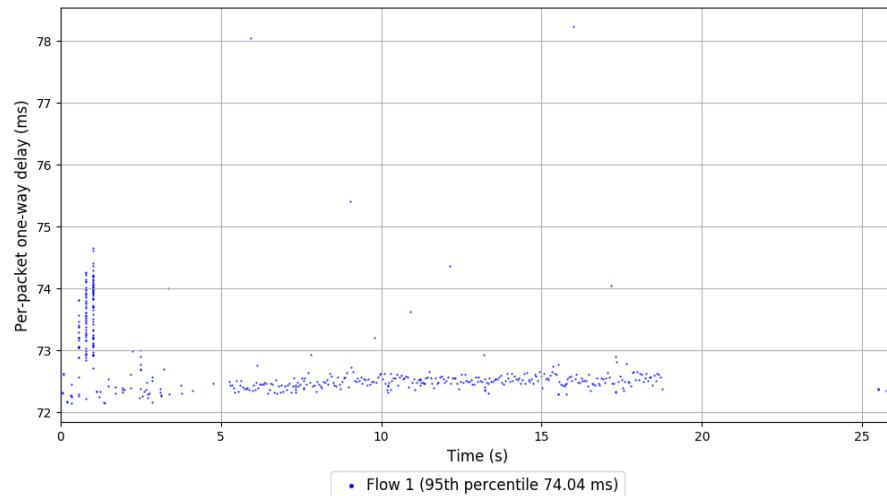
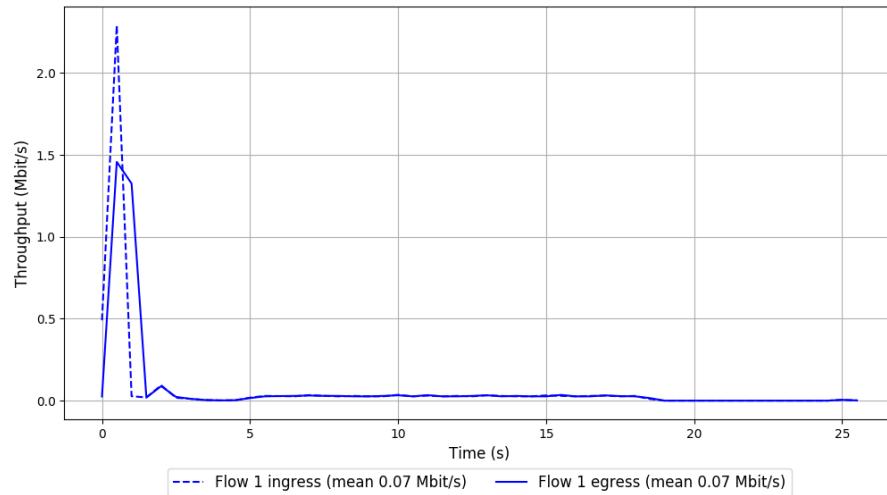


Run 5: Statistics of WebRTC media

```
Start at: 2018-04-10 11:08:29
End at: 2018-04-10 11:08:59
Local clock offset: 1.955 ms
Remote clock offset: 20.15 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 74.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 74.041 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

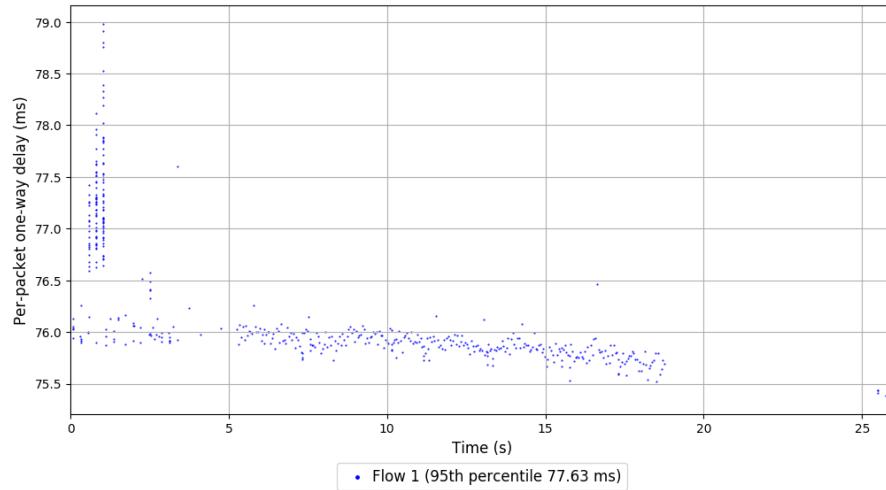
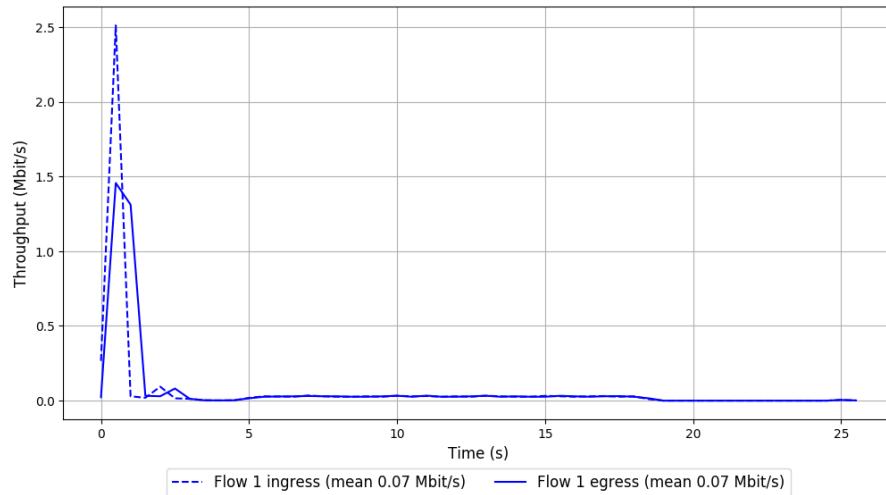


Run 6: Statistics of WebRTC media

```
Start at: 2018-04-10 11:33:28
End at: 2018-04-10 11:33:58
Local clock offset: 24.721 ms
Remote clock offset: 1.522 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 77.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 77.627 ms
Loss rate: 0.00%
```

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

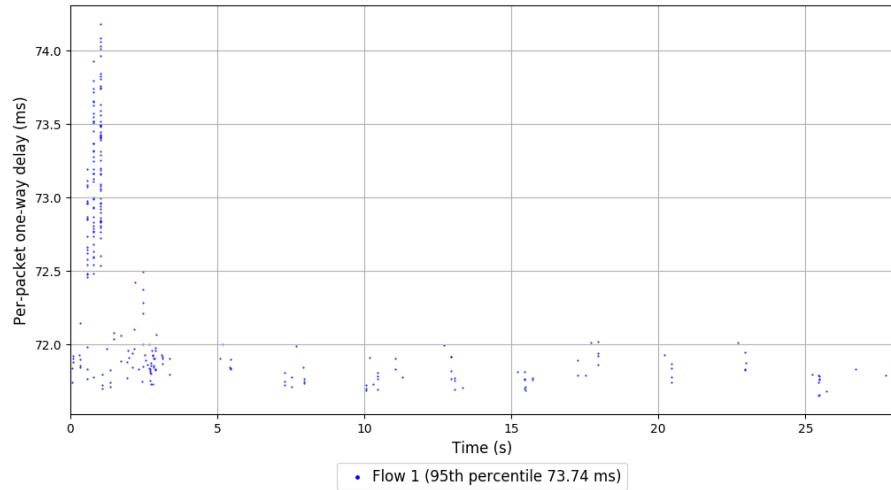
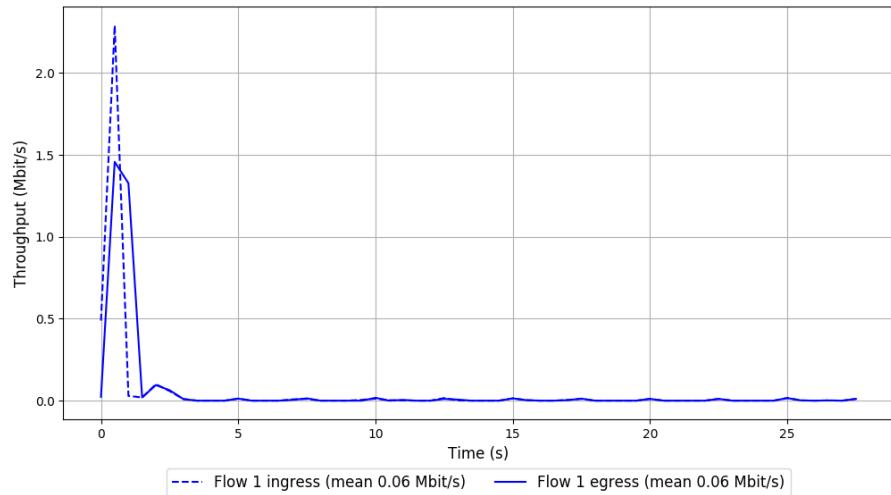


Run 7: Statistics of WebRTC media

```
Start at: 2018-04-10 11:58:22
End at: 2018-04-10 11:58:52
Local clock offset: 40.961 ms
Remote clock offset: 3.28 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 73.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 73.743 ms
Loss rate: 0.00%
```

### Run 7: Report of WebRTC media — Data Link

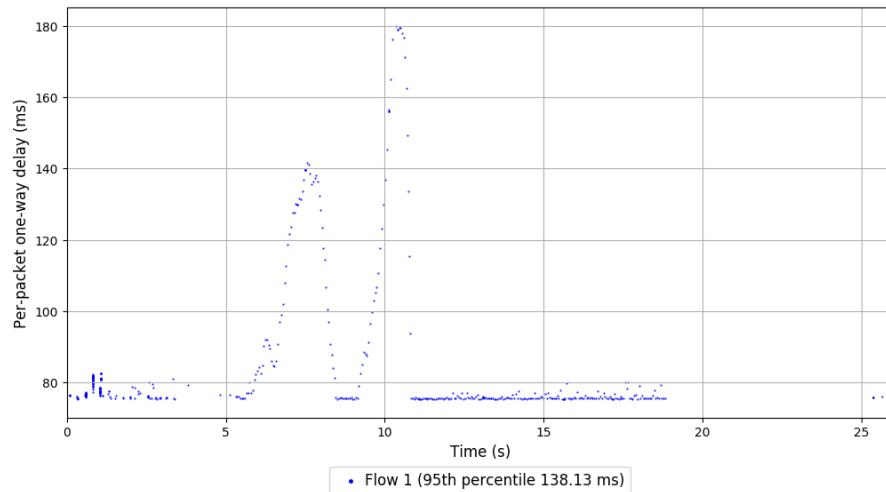
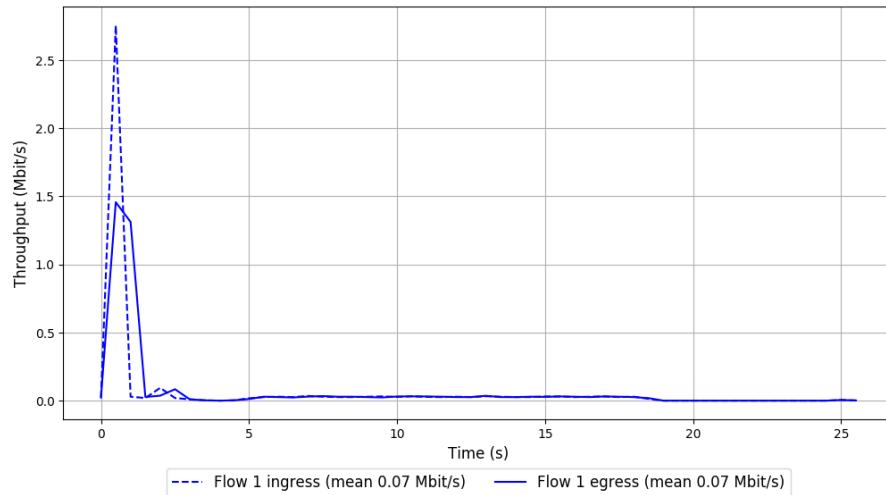


Run 8: Statistics of WebRTC media

```
Start at: 2018-04-10 12:22:45
End at: 2018-04-10 12:23:15
Local clock offset: 51.71 ms
Remote clock offset: 5.93 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 138.128 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 138.128 ms
Loss rate: 0.07%
```

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

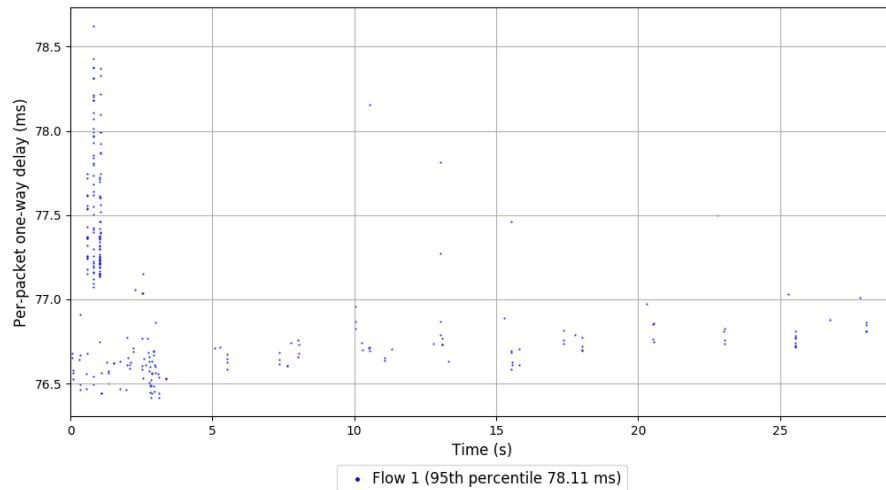
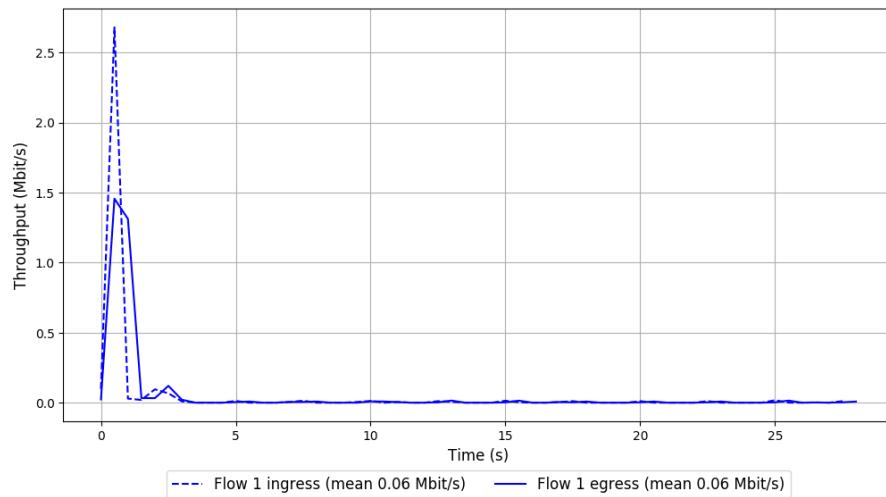


Run 9: Statistics of WebRTC media

```
Start at: 2018-04-10 12:47:39
End at: 2018-04-10 12:48:09
Local clock offset: 28.701 ms
Remote clock offset: 18.179 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 78.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 78.110 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

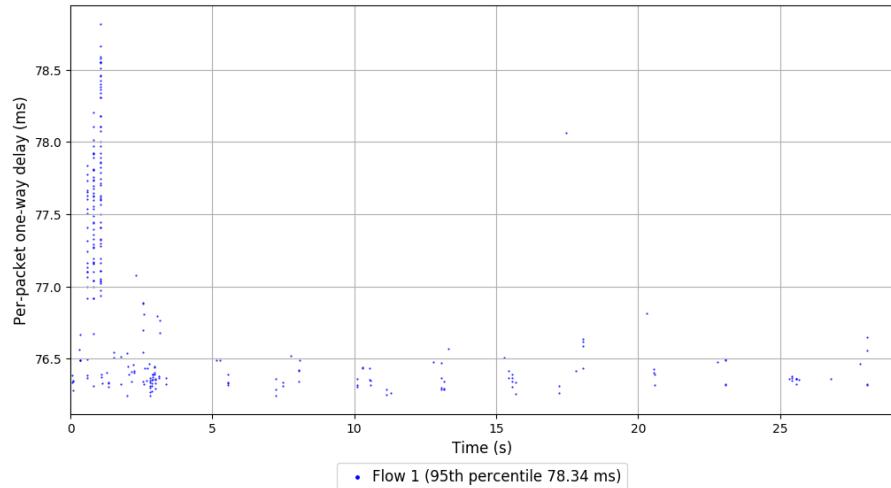
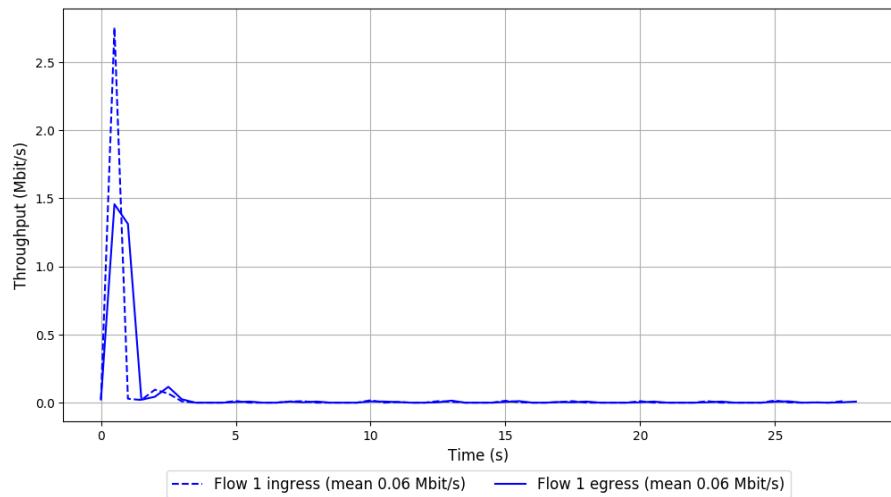


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-04-10 13:13:03
End at: 2018-04-10 13:13:33
Local clock offset: 20.005 ms
Remote clock offset: 3.925 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 78.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 78.340 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

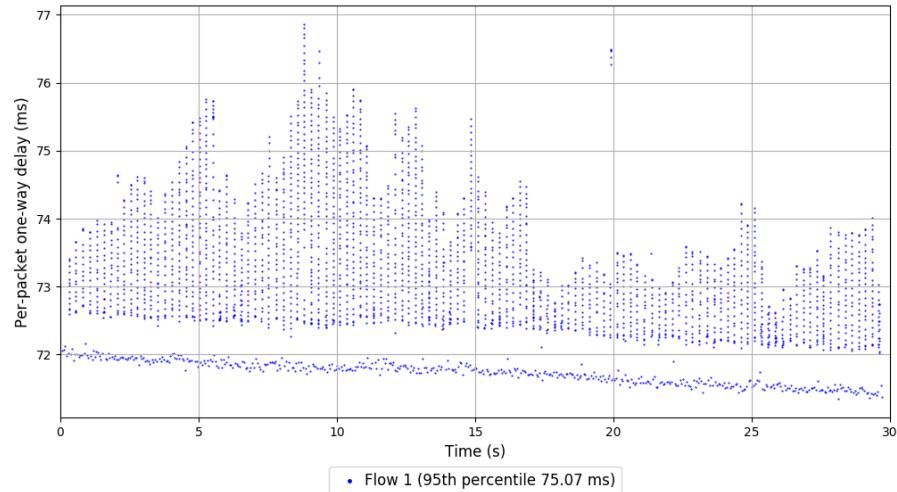
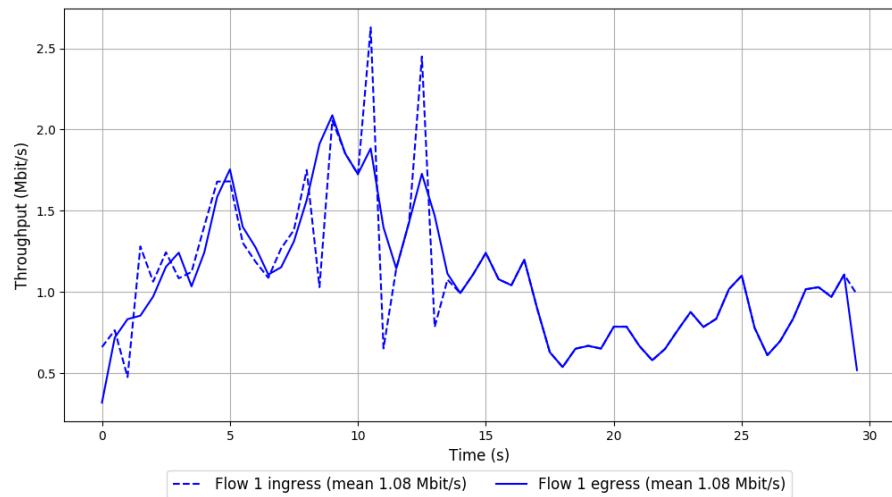


Run 1: Statistics of Sprout

```
Start at: 2018-04-10 09:10:10
End at: 2018-04-10 09:10:40
Local clock offset: 2.156 ms
Remote clock offset: 4.337 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 75.074 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 75.074 ms
Loss rate: 0.72%
```

Run 1: Report of Sprout — Data Link

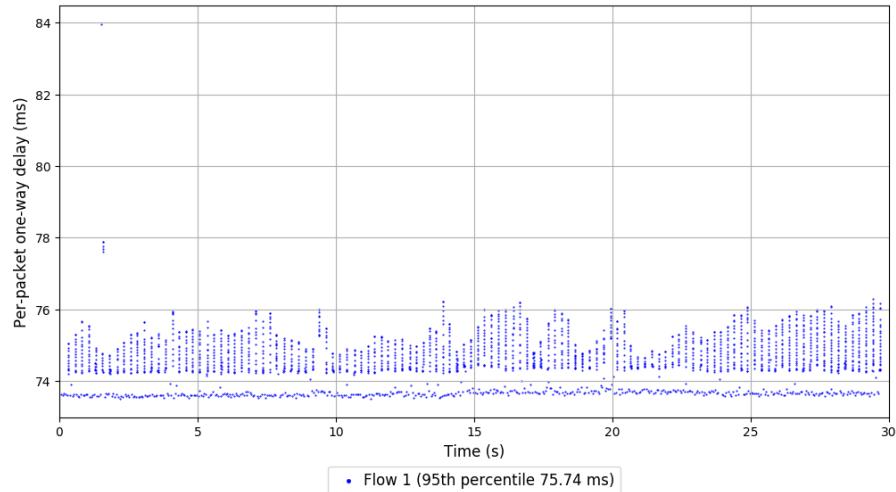
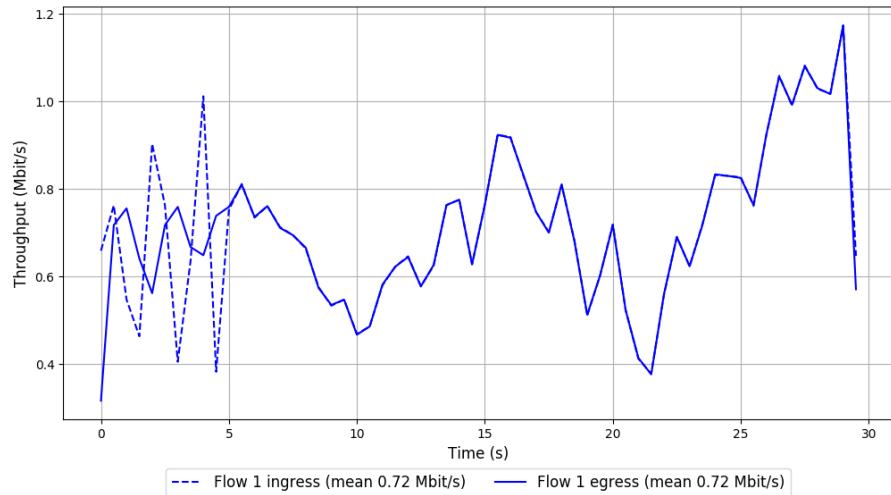


Run 2: Statistics of Sprout

```
Start at: 2018-04-10 09:36:09
End at: 2018-04-10 09:36:39
Local clock offset: 2.622 ms
Remote clock offset: -5.762 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 75.744 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 75.744 ms
Loss rate: 0.19%
```

## Run 2: Report of Sprout — Data Link

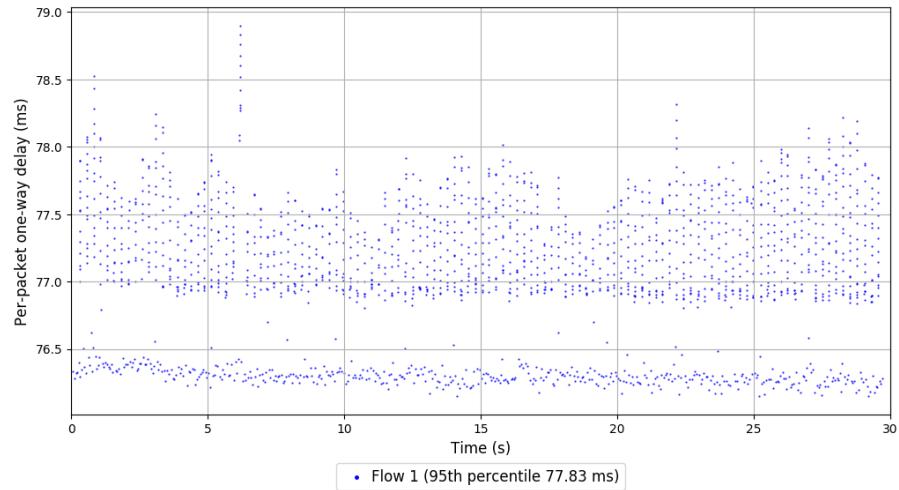
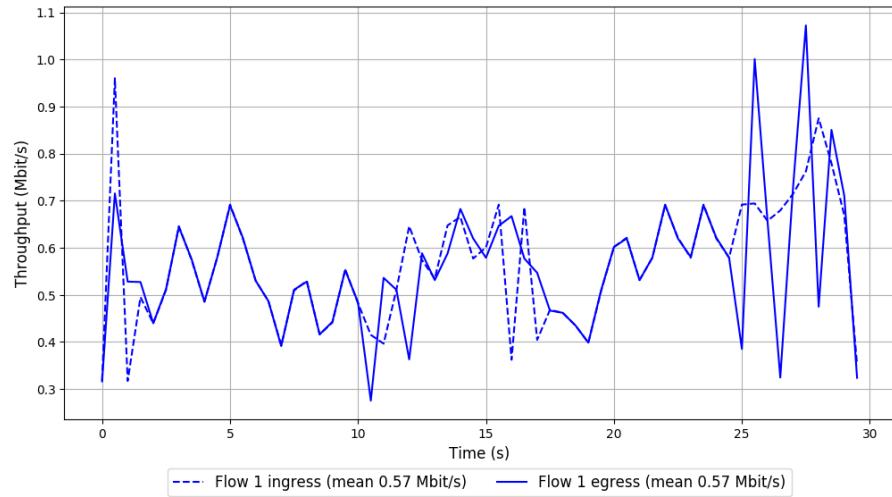


Run 3: Statistics of Sprout

```
Start at: 2018-04-10 10:00:29
End at: 2018-04-10 10:00:59
Local clock offset: 1.212 ms
Remote clock offset: -7.263 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 77.833 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 77.833 ms
Loss rate: 1.02%
```

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

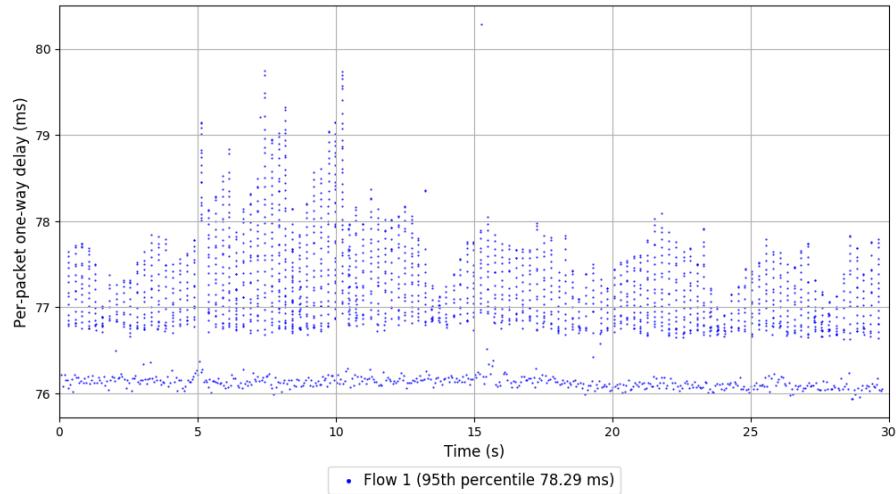
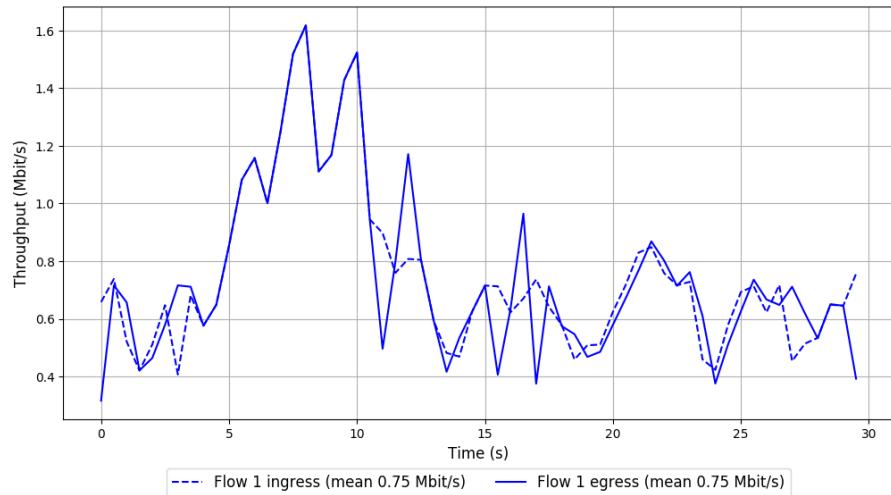


Run 4: Statistics of Sprout

```
Start at: 2018-04-10 10:26:19
End at: 2018-04-10 10:26:49
Local clock offset: 1.667 ms
Remote clock offset: -12.017 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 78.289 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 78.289 ms
Loss rate: 0.81%
```

## Run 4: Report of Sprout — Data Link

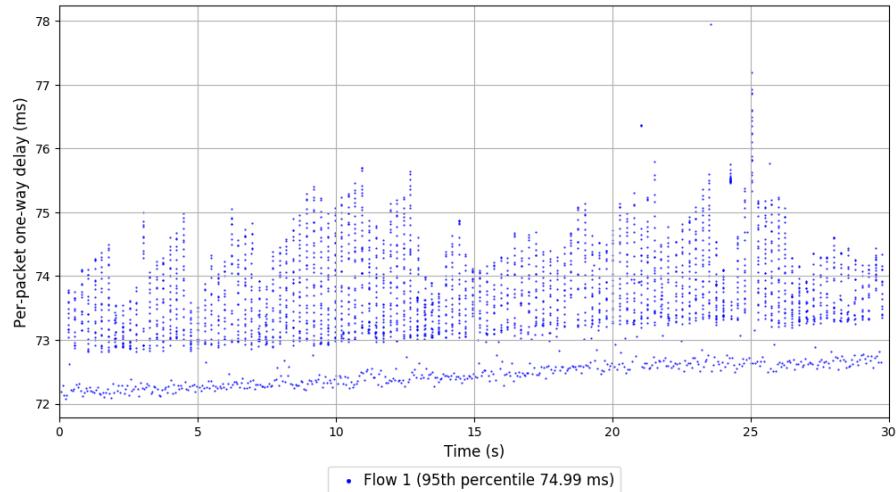
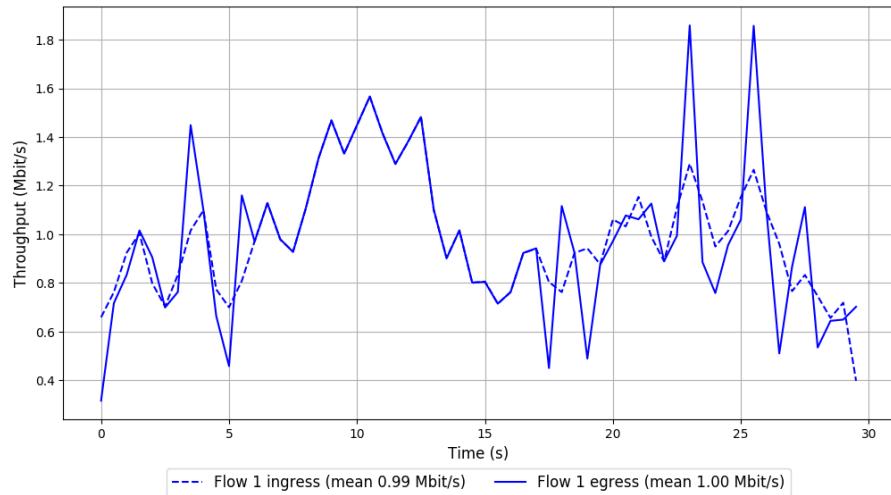


Run 5: Statistics of Sprout

```
Start at: 2018-04-10 10:53:13
End at: 2018-04-10 10:53:43
Local clock offset: 1.902 ms
Remote clock offset: 10.082 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 74.993 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 74.993 ms
Loss rate: 0.10%
```

## Run 5: Report of Sprout — Data Link

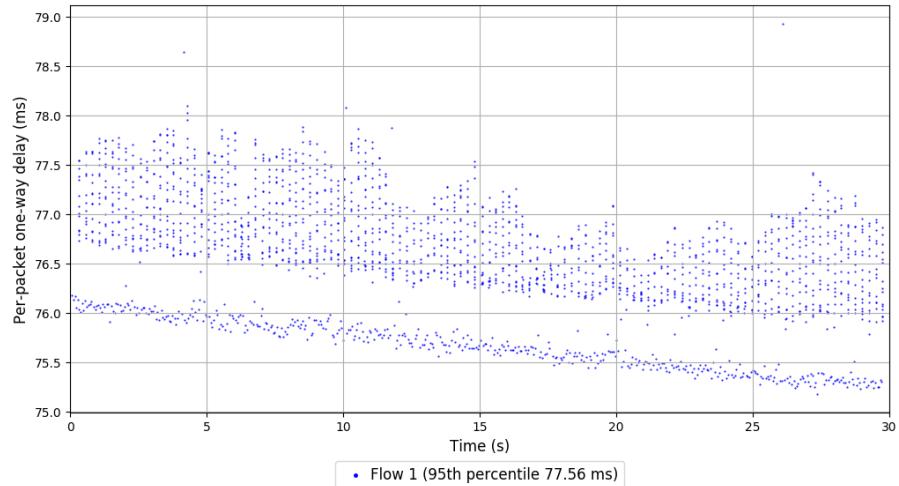
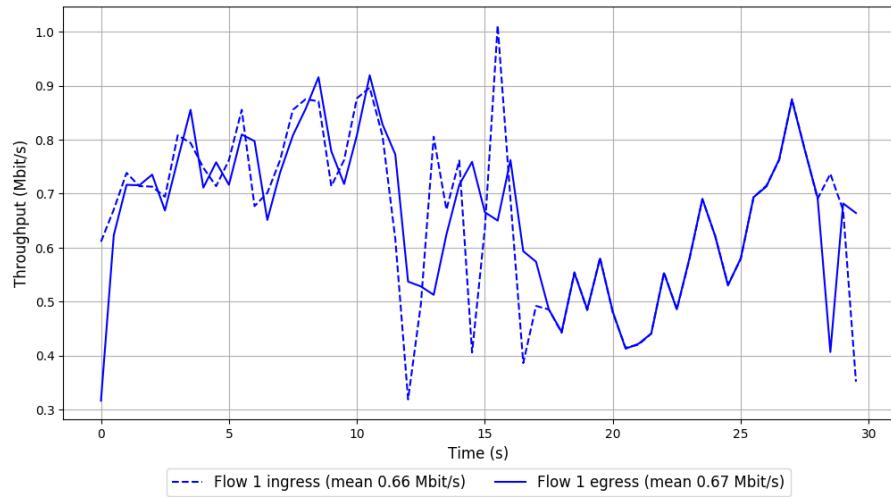


Run 6: Statistics of Sprout

```
Start at: 2018-04-10 11:18:09
End at: 2018-04-10 11:18:39
Local clock offset: 2.053 ms
Remote clock offset: 15.502 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 77.560 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 77.560 ms
Loss rate: 0.02%
```

Run 6: Report of Sprout — Data Link

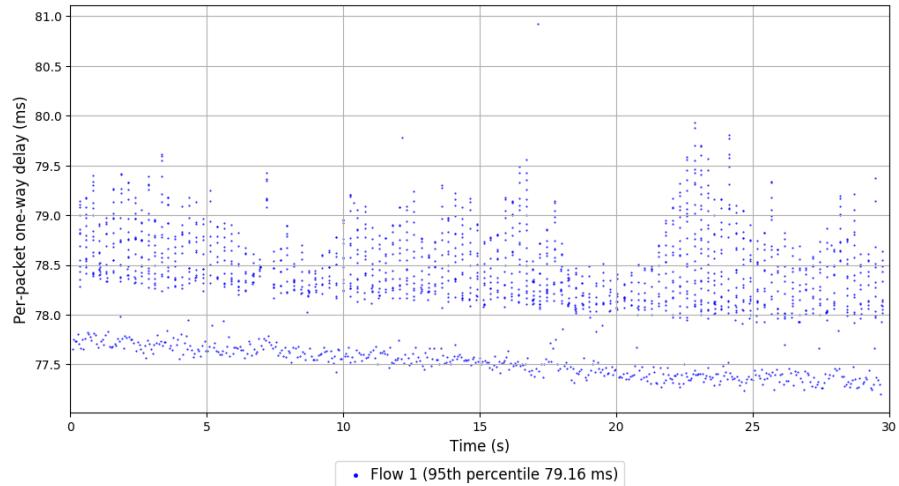
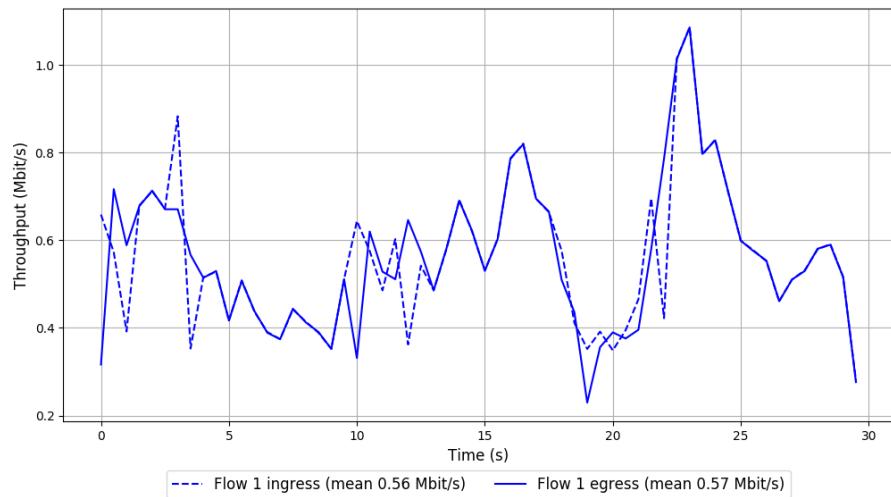


Run 7: Statistics of Sprout

```
Start at: 2018-04-10 11:42:55
End at: 2018-04-10 11:43:25
Local clock offset: 32.638 ms
Remote clock offset: -1.467 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 79.162 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 79.162 ms
Loss rate: 0.02%
```

Run 7: Report of Sprout — Data Link

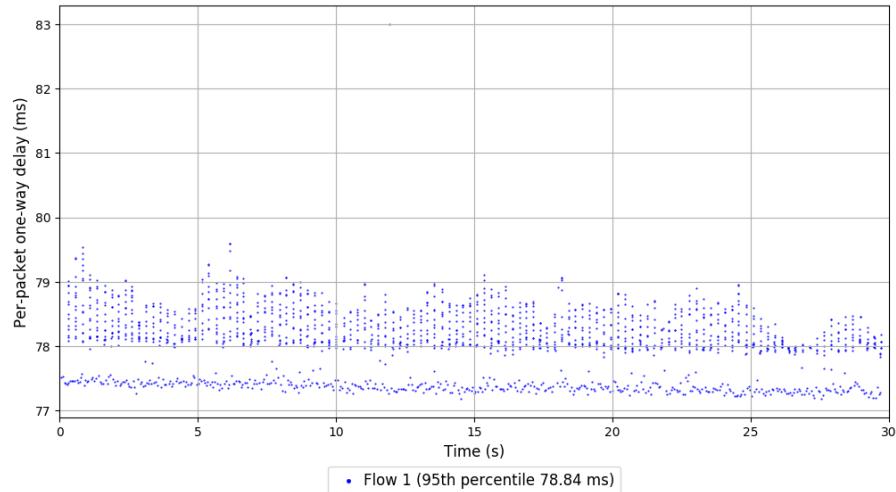
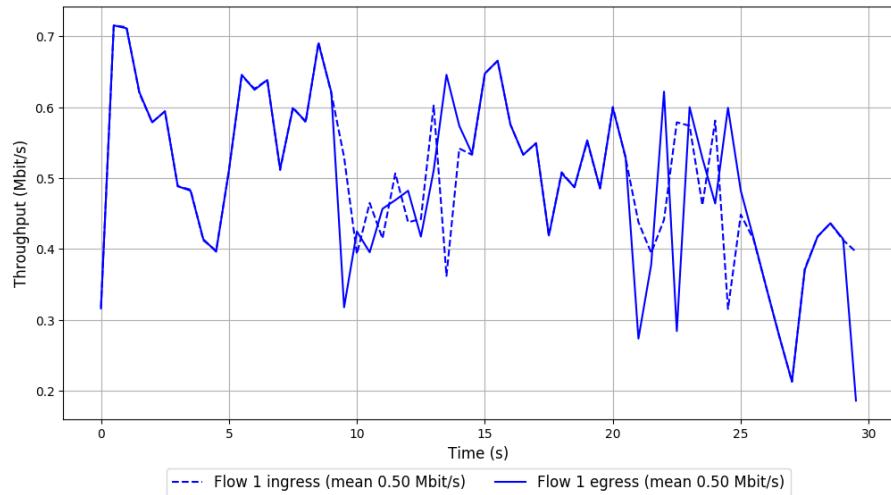


Run 8: Statistics of Sprout

```
Start at: 2018-04-10 12:07:49
End at: 2018-04-10 12:08:19
Local clock offset: 45.108 ms
Remote clock offset: 5.251 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 78.845 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 78.845 ms
Loss rate: 0.70%
```

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

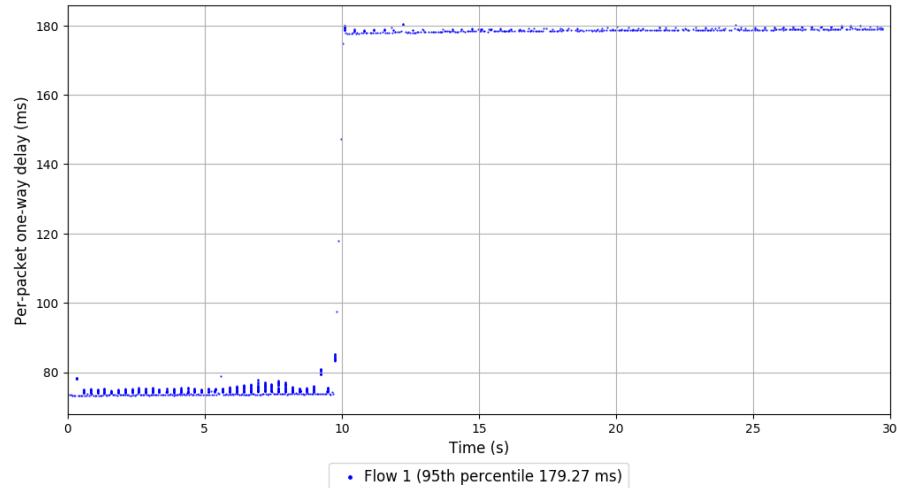
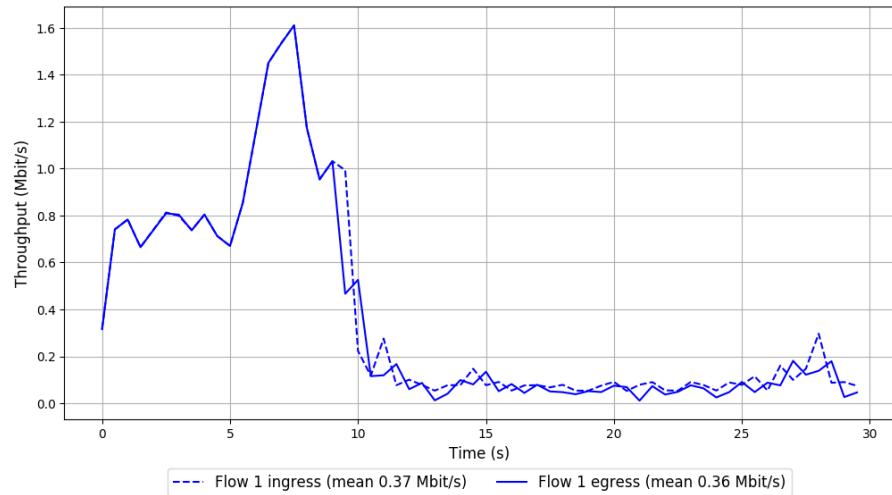


Run 9: Statistics of Sprout

```
Start at: 2018-04-10 12:32:25
End at: 2018-04-10 12:32:55
Local clock offset: 46.834 ms
Remote clock offset: 13.056 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 179.271 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 179.271 ms
Loss rate: 4.19%
```

Run 9: Report of Sprout — Data Link

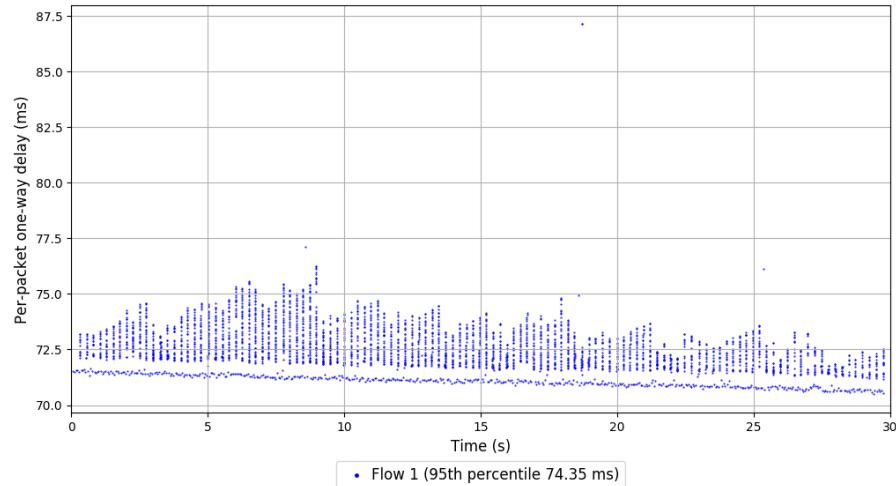
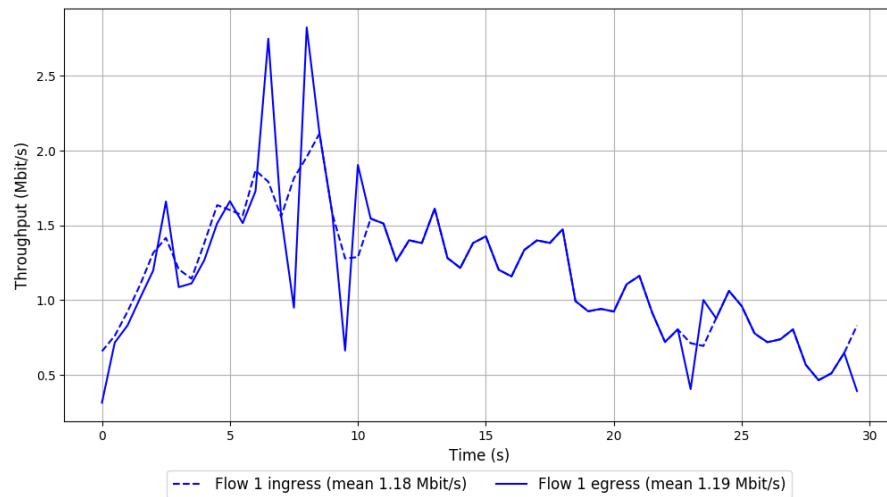


Run 10: Statistics of Sprout

```
Start at: 2018-04-10 12:57:28
End at: 2018-04-10 12:57:58
Local clock offset: 25.664 ms
Remote clock offset: 20.054 ms

# Below is generated by plot.py at 2018-04-10 17:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 74.353 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 74.353 ms
Loss rate: 0.62%
```

Run 10: Report of Sprout — Data Link

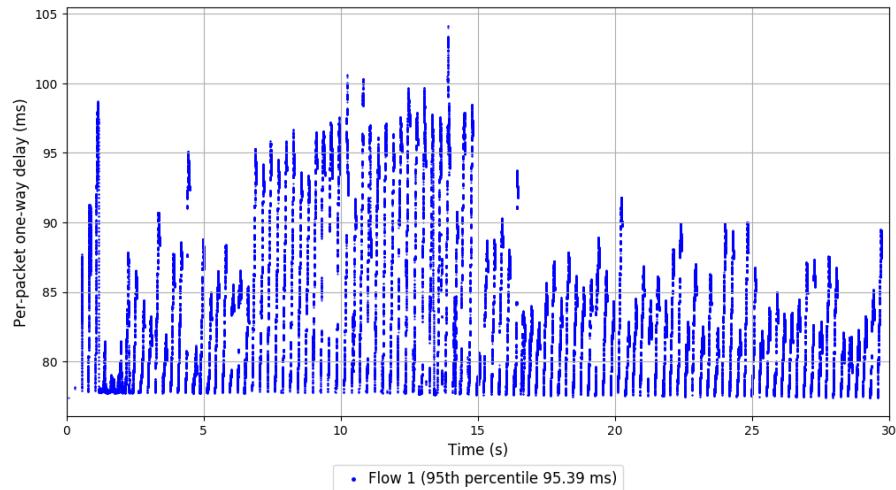
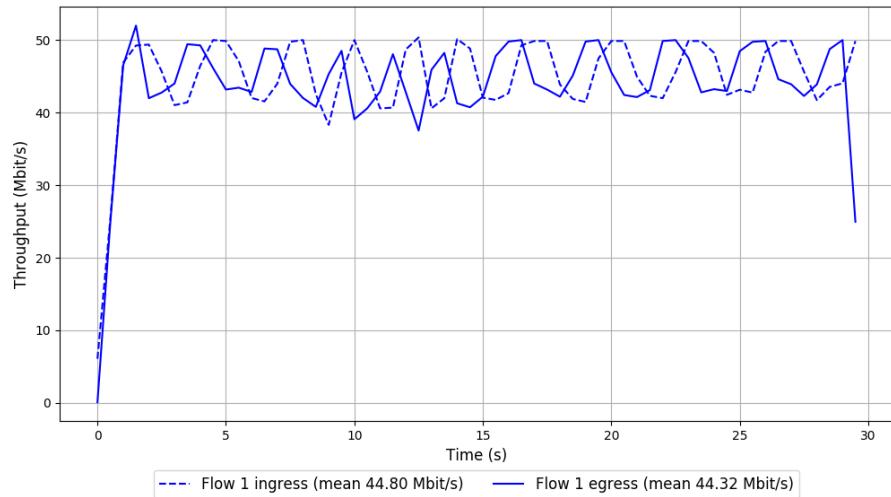


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-04-10 09:14:15
End at: 2018-04-10 09:14:45
Local clock offset: 2.247 ms
Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2018-04-10 17:22:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.32 Mbit/s
95th percentile per-packet one-way delay: 95.393 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 44.32 Mbit/s
95th percentile per-packet one-way delay: 95.393 ms
Loss rate: 1.93%
```

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

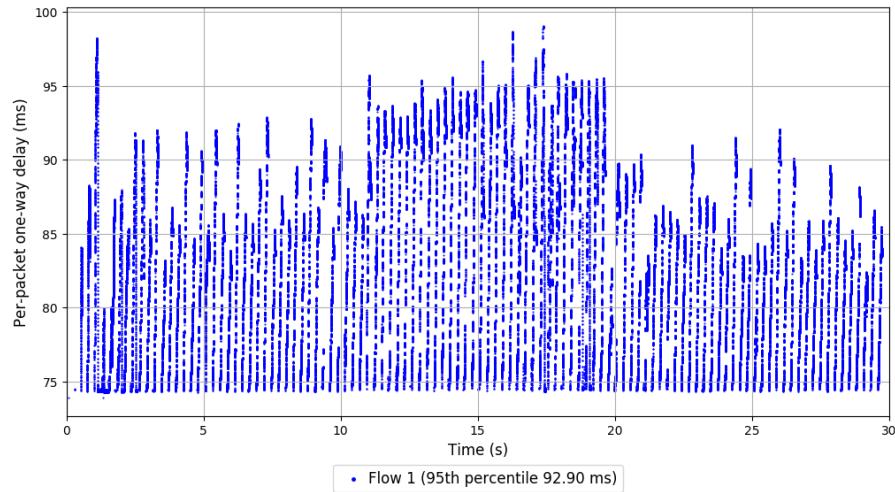
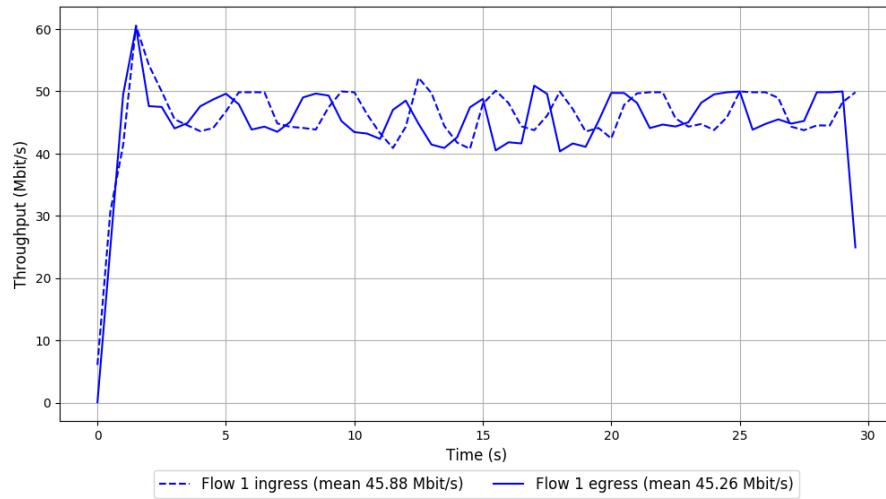


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-04-10 09:40:13
End at: 2018-04-10 09:40:43
Local clock offset: 2.531 ms
Remote clock offset: -5.307 ms

# Below is generated by plot.py at 2018-04-10 17:22:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 92.898 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 92.898 ms
Loss rate: 2.19%
```

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



Run 3: Statistics of TaoVA-100x

/home/ubuntu/pantheon\_data/2018-04-10T09-00-China-to-AWS-Korea-10-runs/taova\_stats\_run3.log

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

Figure is missing

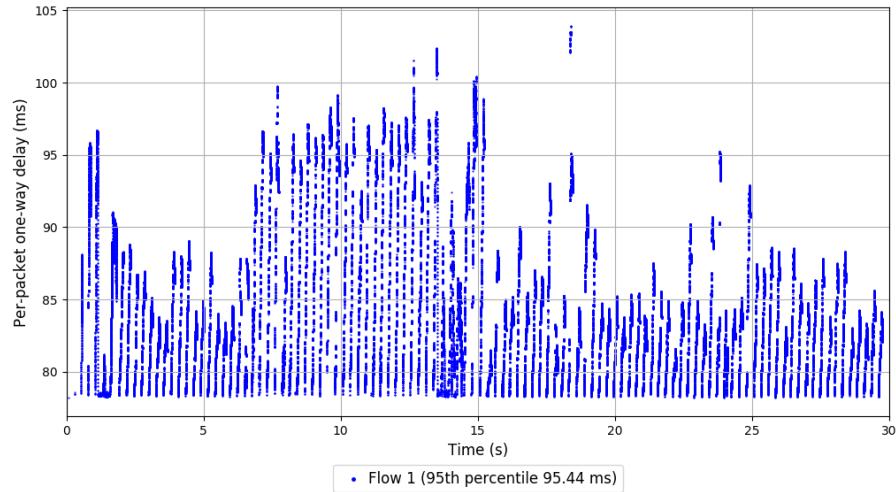
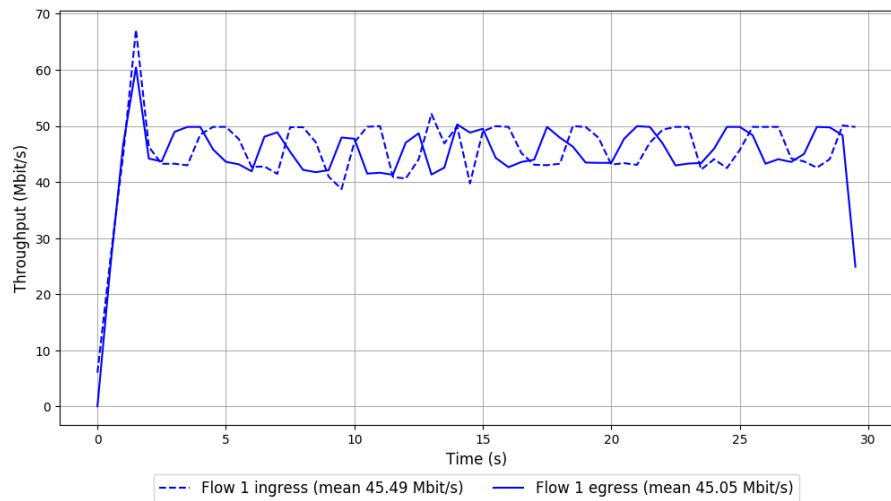
Figure is missing

Run 4: Statistics of TaoVA-100x

```
Start at: 2018-04-10 10:30:23
End at: 2018-04-10 10:30:53
Local clock offset: 1.915 ms
Remote clock offset: -12.876 ms

# Below is generated by plot.py at 2018-04-10 17:22:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 95.440 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 95.440 ms
Loss rate: 1.83%
```

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

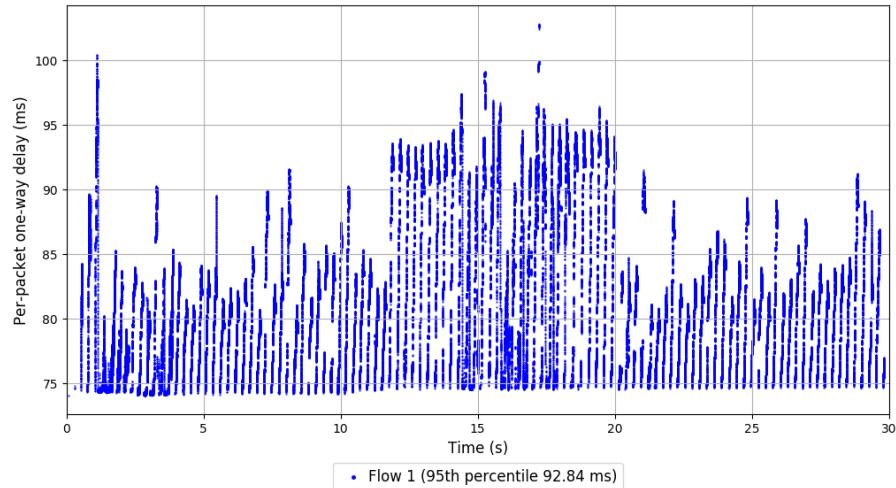
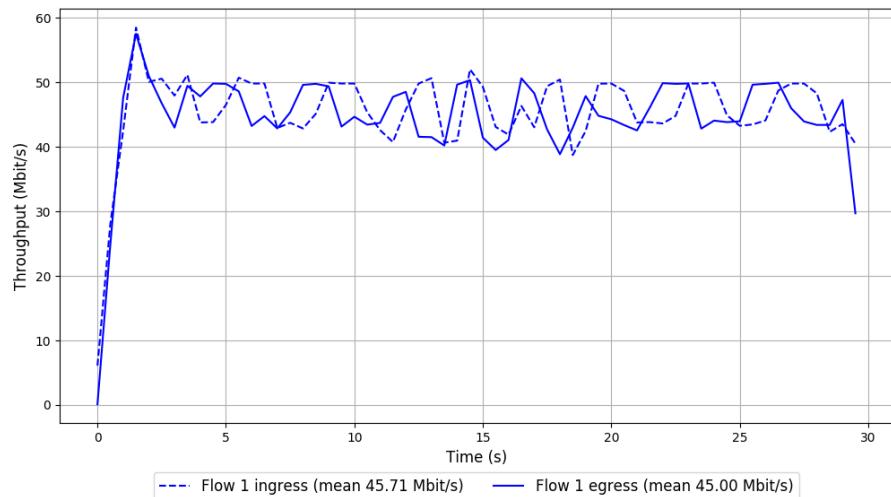


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-04-10 10:57:19
End at: 2018-04-10 10:57:49
Local clock offset: 2.078 ms
Remote clock offset: 13.878 ms

# Below is generated by plot.py at 2018-04-10 17:22:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.00 Mbit/s
95th percentile per-packet one-way delay: 92.840 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 45.00 Mbit/s
95th percentile per-packet one-way delay: 92.840 ms
Loss rate: 1.91%
```

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

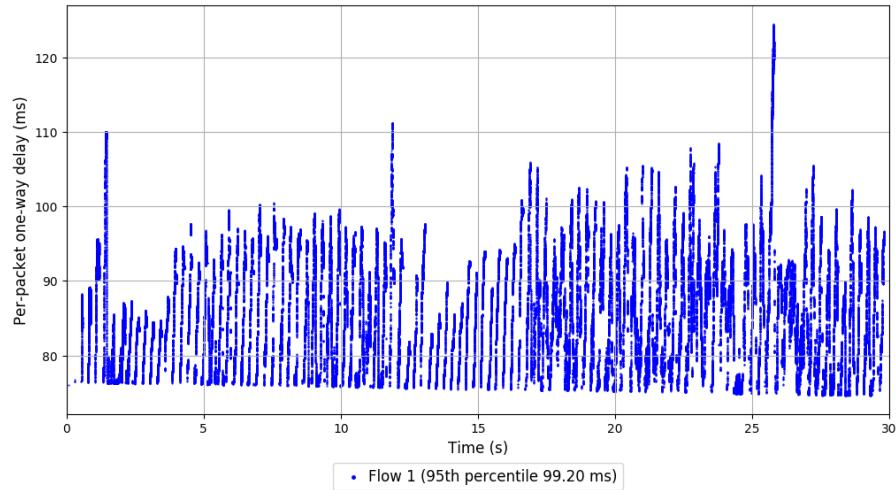
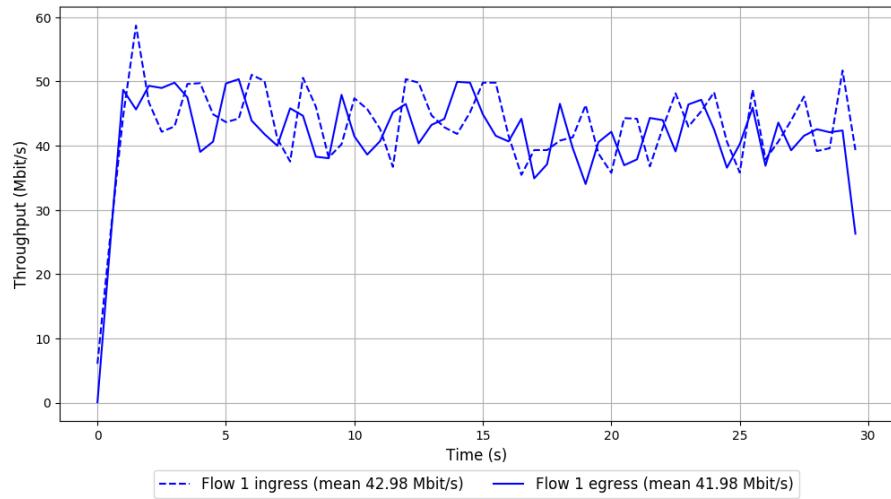


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-04-10 11:22:34
End at: 2018-04-10 11:23:04
Local clock offset: 5.369 ms
Remote clock offset: 9.17 ms

# Below is generated by plot.py at 2018-04-10 17:22:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.98 Mbit/s
95th percentile per-packet one-way delay: 99.196 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 41.98 Mbit/s
95th percentile per-packet one-way delay: 99.196 ms
Loss rate: 3.13%
```

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

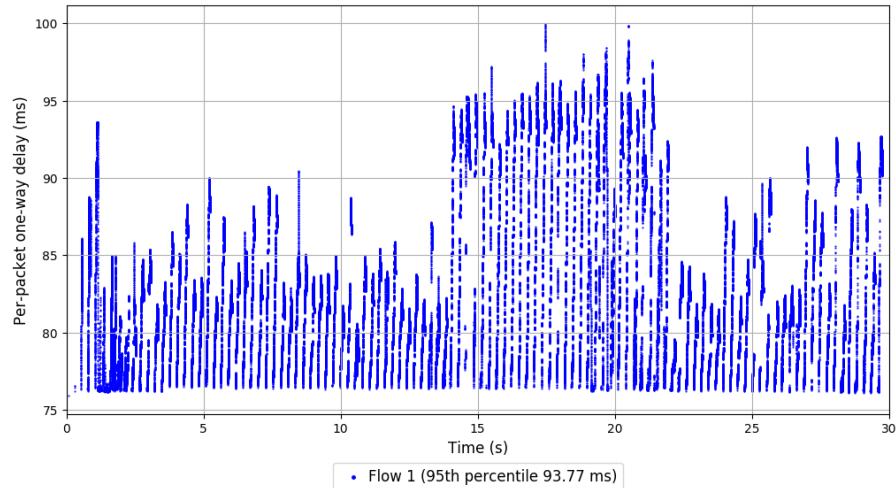
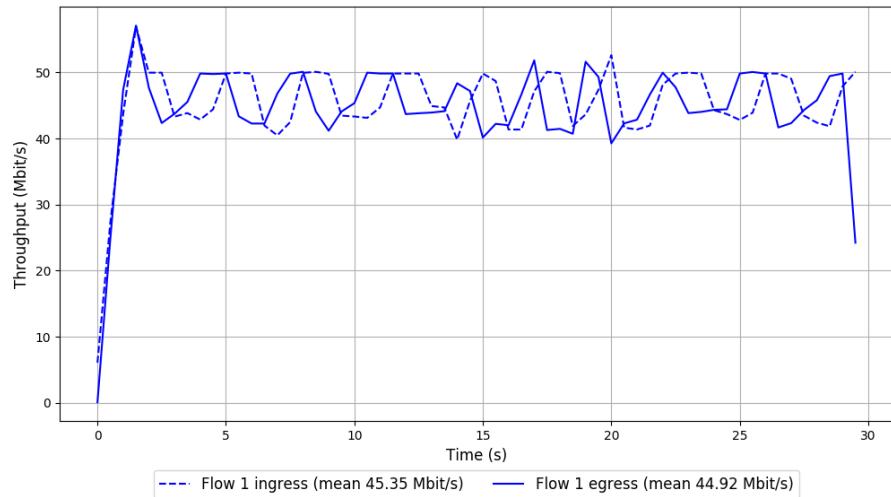


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-04-10 11:47:24
End at: 2018-04-10 11:47:54
Local clock offset: 35.635 ms
Remote clock offset: -2.486 ms

# Below is generated by plot.py at 2018-04-10 17:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 93.768 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 93.768 ms
Loss rate: 1.82%
```

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

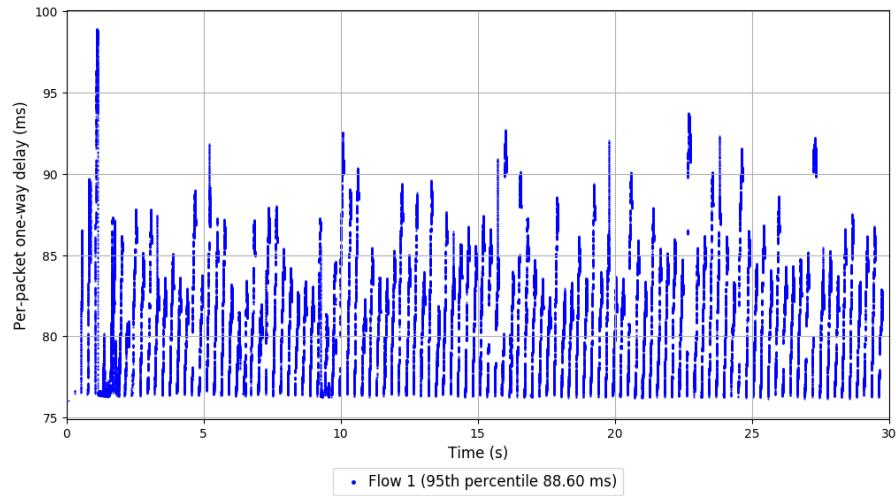
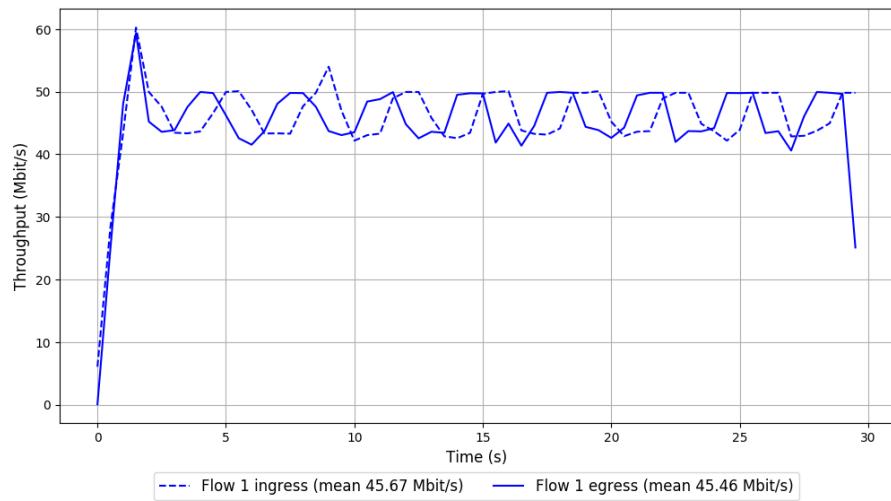


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-04-10 12:12:06
End at: 2018-04-10 12:12:36
Local clock offset: 47.039 ms
Remote clock offset: 5.392 ms

# Below is generated by plot.py at 2018-04-10 17:22:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 88.597 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 88.597 ms
Loss rate: 1.33%
```

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

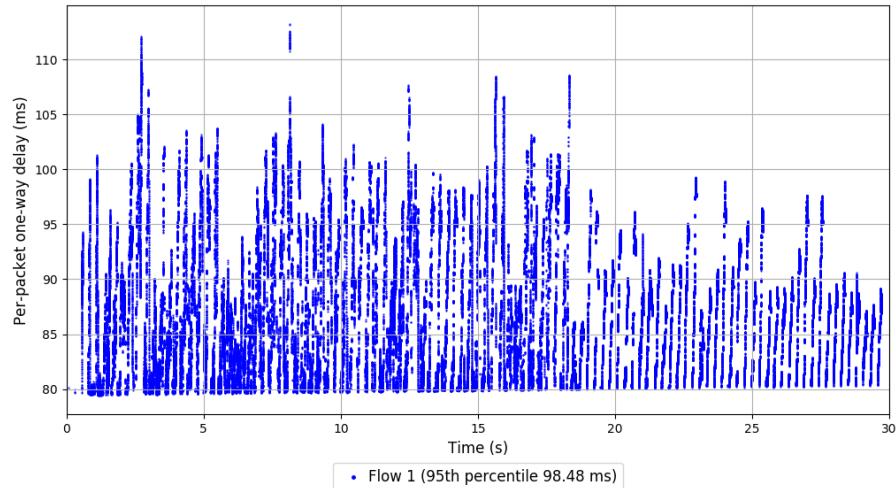
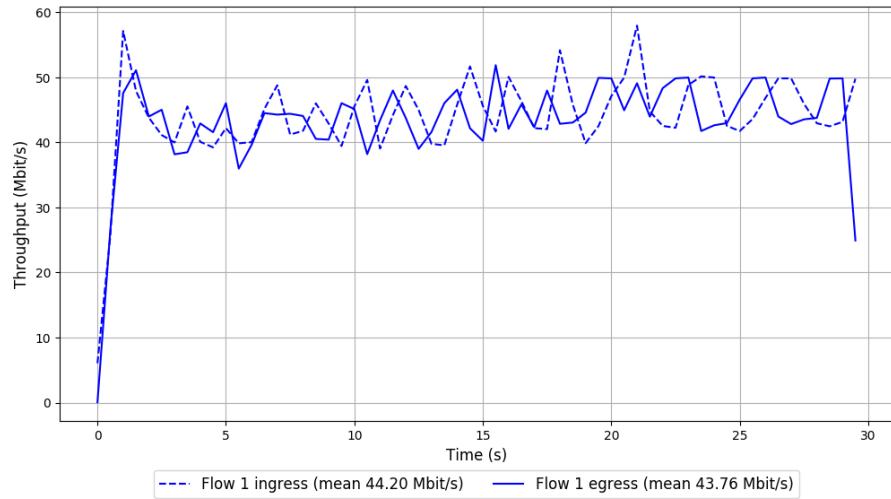


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-04-10 12:36:42
End at: 2018-04-10 12:37:12
Local clock offset: 38.911 ms
Remote clock offset: 14.899 ms

# Below is generated by plot.py at 2018-04-10 17:22:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.76 Mbit/s
95th percentile per-packet one-way delay: 98.484 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 43.76 Mbit/s
95th percentile per-packet one-way delay: 98.484 ms
Loss rate: 1.87%
```

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

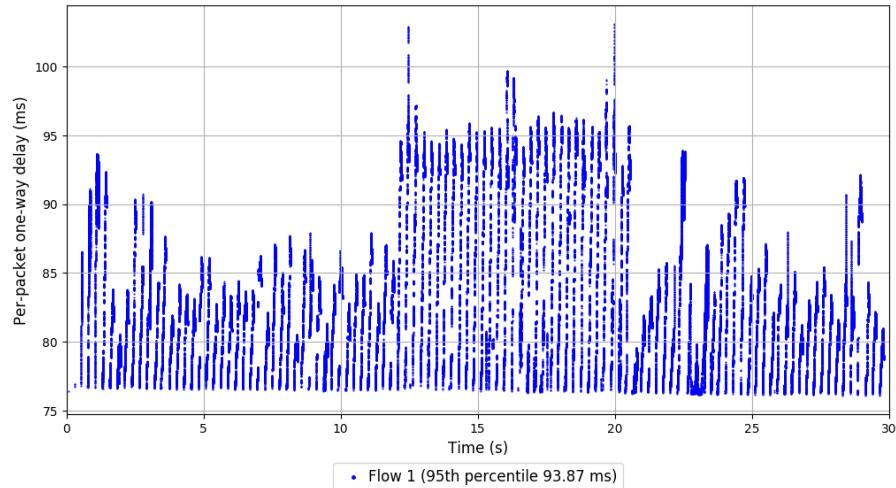
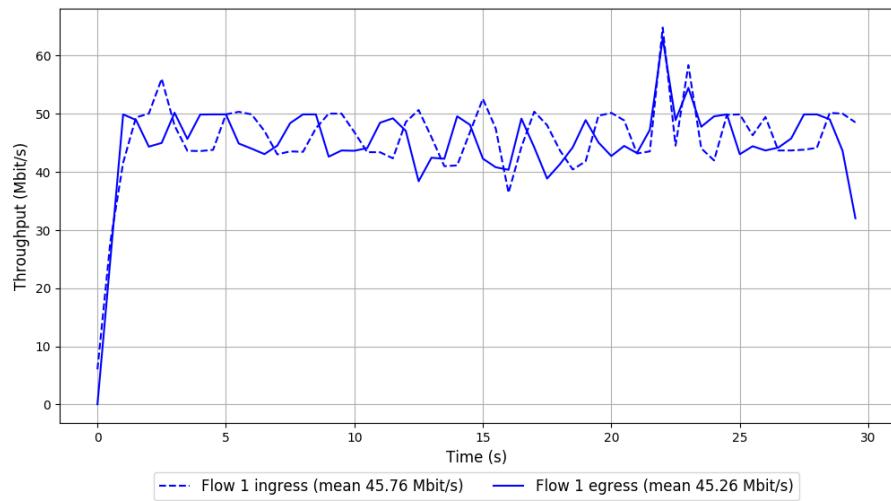


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-04-10 13:01:34
End at: 2018-04-10 13:02:04
Local clock offset: 24.924 ms
Remote clock offset: 12.898 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 93.873 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 93.873 ms
Loss rate: 1.95%
```

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

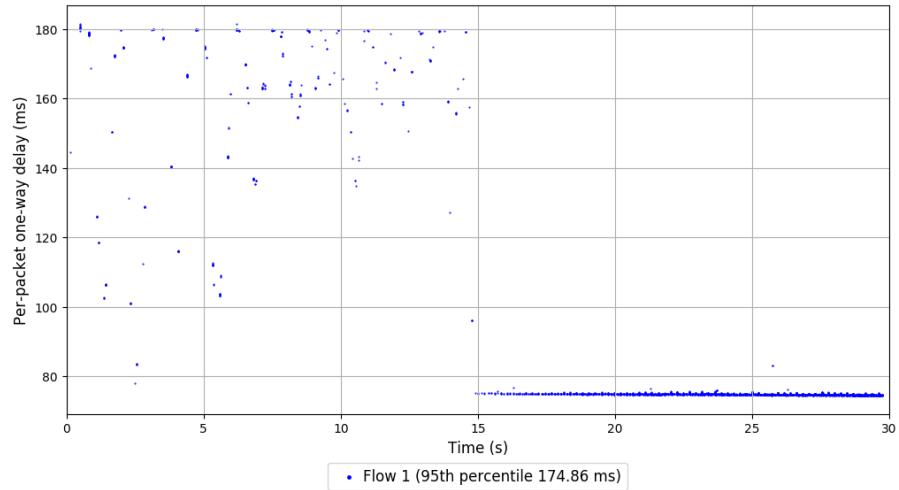
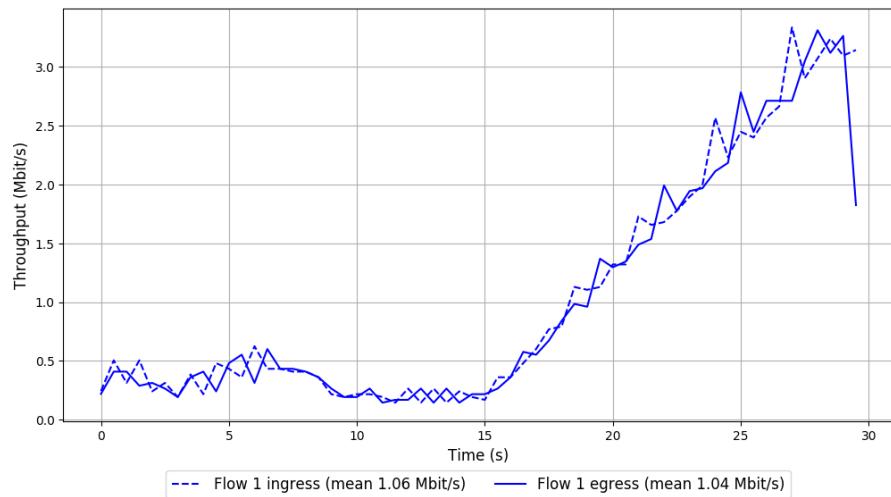


Run 1: Statistics of TCP Vegas

```
Start at: 2018-04-10 09:01:00
End at: 2018-04-10 09:01:30
Local clock offset: 2.113 ms
Remote clock offset: 21.608 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 174.861 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 174.861 ms
Loss rate: 2.73%
```

Run 1: Report of TCP Vegas — Data Link

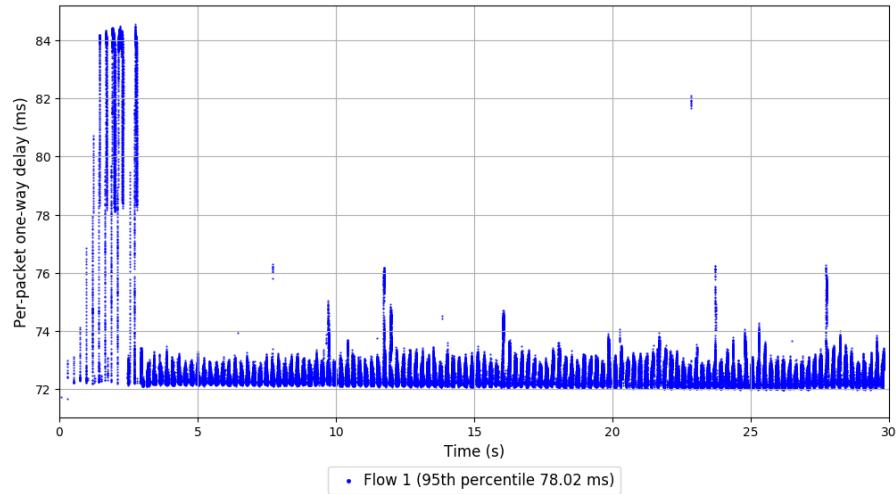
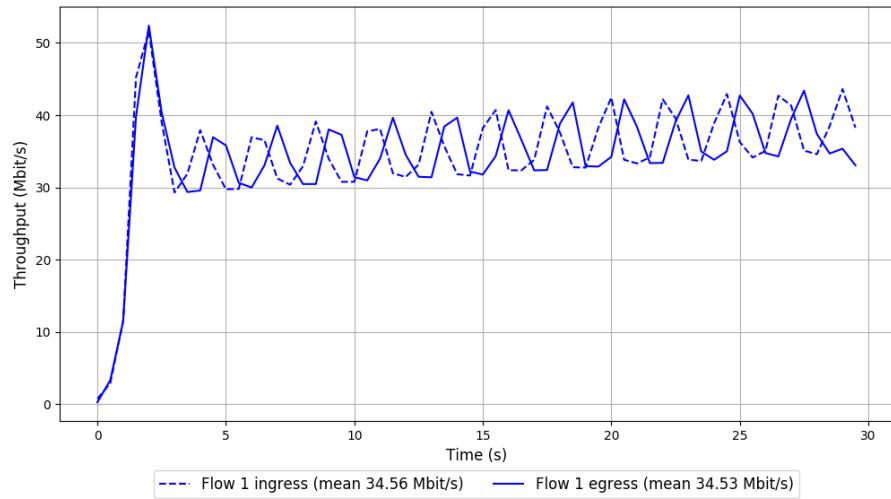


Run 2: Statistics of TCP Vegas

```
Start at: 2018-04-10 09:27:55
End at: 2018-04-10 09:28:25
Local clock offset: 2.343 ms
Remote clock offset: -7.192 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 78.016 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 78.016 ms
Loss rate: 0.84%
```

Run 2: Report of TCP Vegas — Data Link

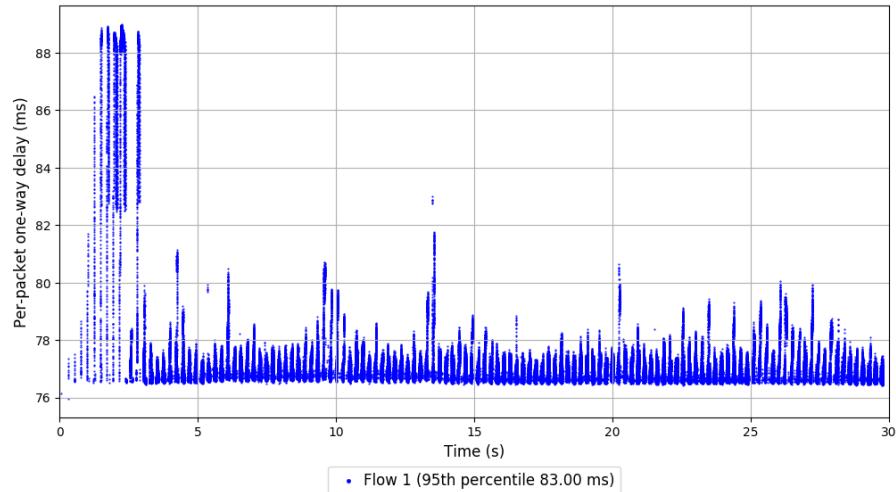
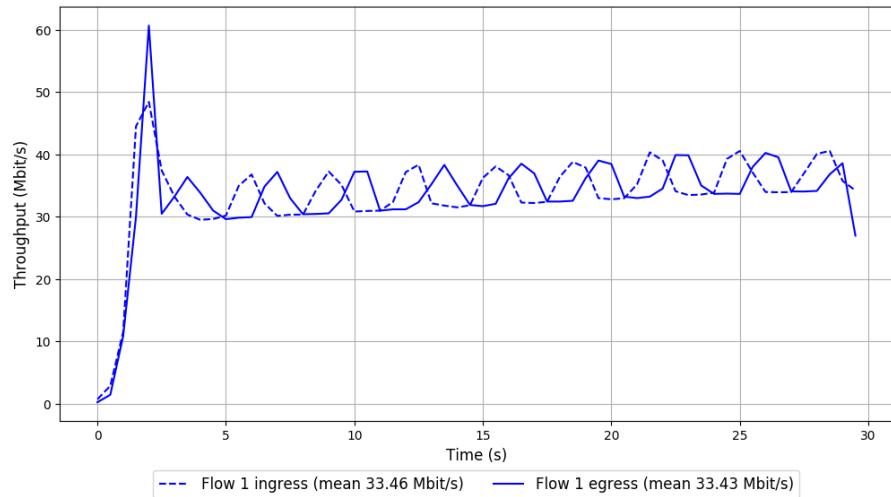


Run 3: Statistics of TCP Vegas

```
Start at: 2018-04-10 09:52:18
End at: 2018-04-10 09:52:48
Local clock offset: 1.384 ms
Remote clock offset: -6.026 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 82.997 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 82.997 ms
Loss rate: 0.86%
```

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

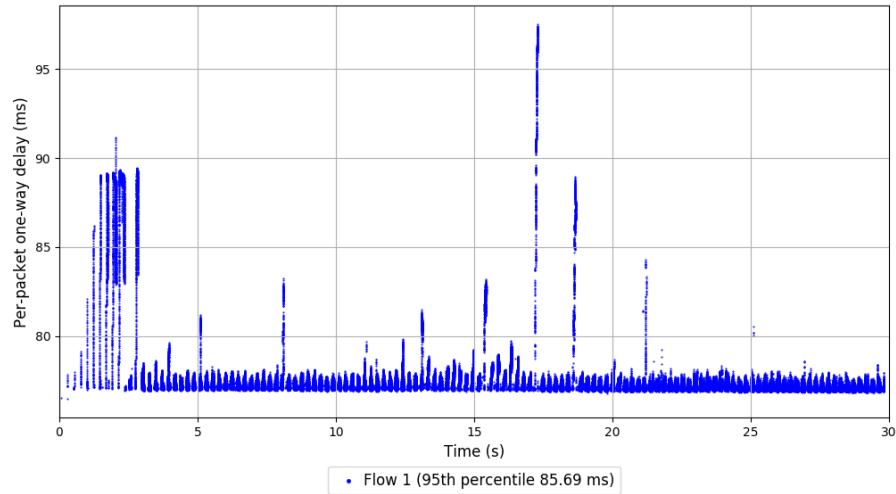
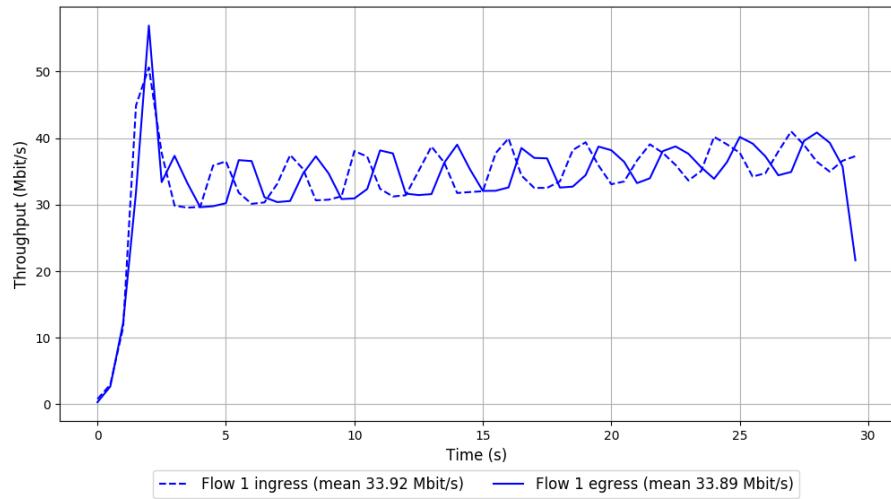


Run 4: Statistics of TCP Vegas

```
Start at: 2018-04-10 10:17:53
End at: 2018-04-10 10:18:23
Local clock offset: 1.587 ms
Remote clock offset: -10.522 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 85.686 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 85.686 ms
Loss rate: 0.86%
```

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

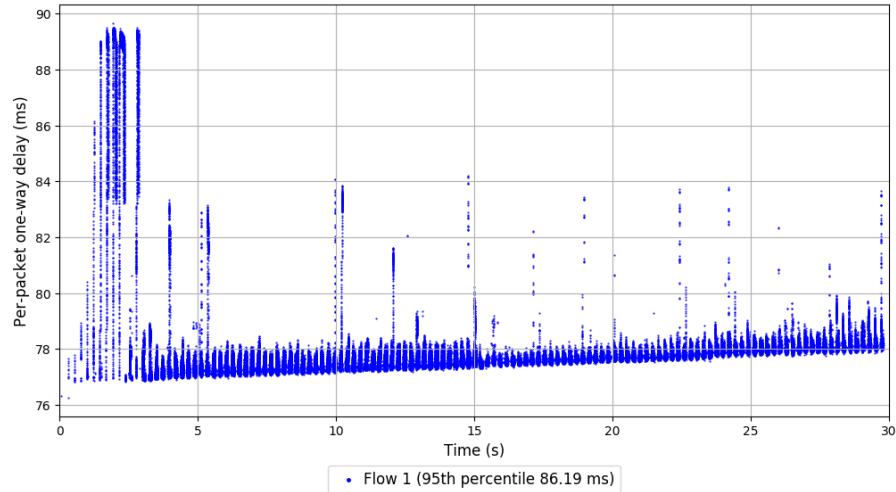
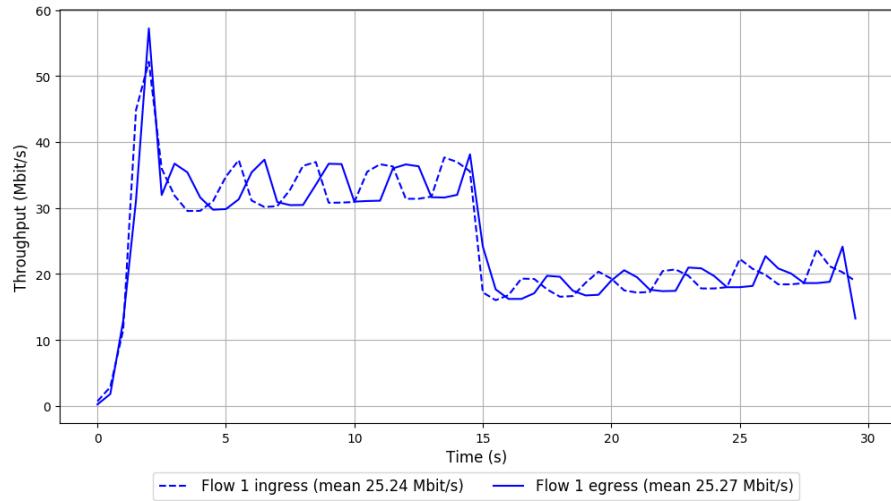


Run 5: Statistics of TCP Vegas

```
Start at: 2018-04-10 10:45:06
End at: 2018-04-10 10:45:36
Local clock offset: 2.133 ms
Remote clock offset: -2.223 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 86.193 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 86.193 ms
Loss rate: 0.63%
```

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

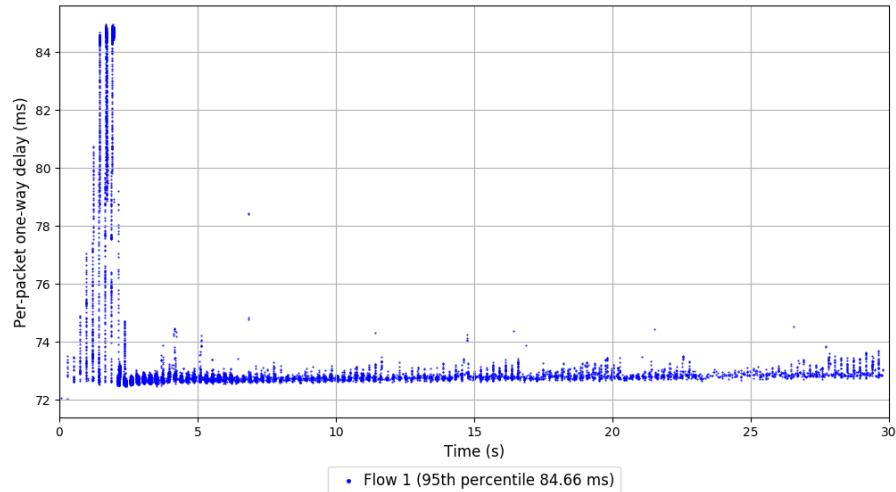
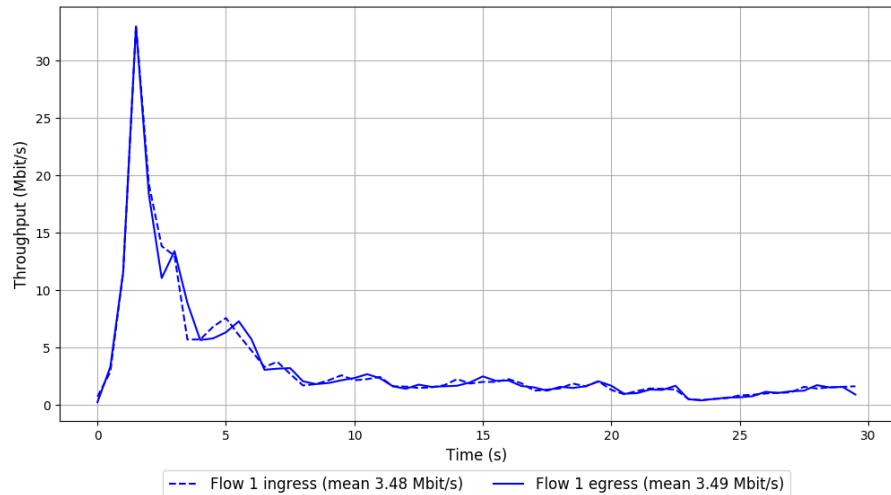


Run 6: Statistics of TCP Vegas

```
Start at: 2018-04-10 11:09:47
End at: 2018-04-10 11:10:17
Local clock offset: 1.96 ms
Remote clock offset: 20.798 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 84.662 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 84.662 ms
Loss rate: 0.54%
```

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

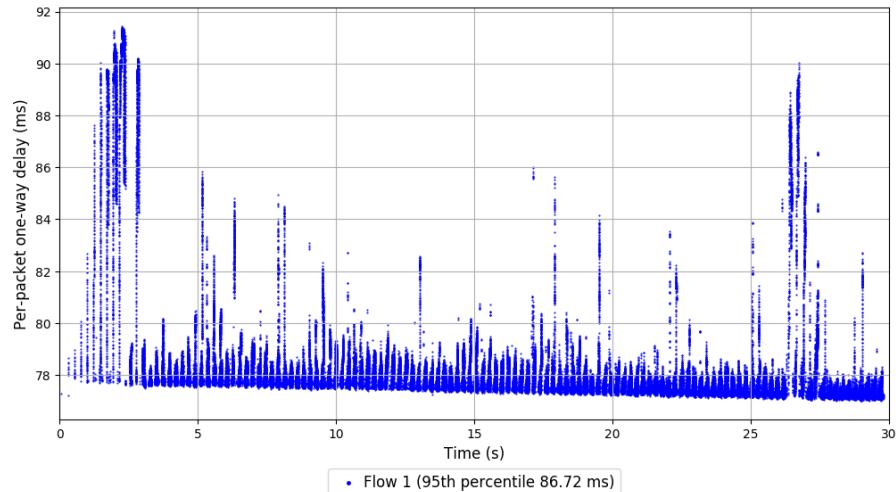
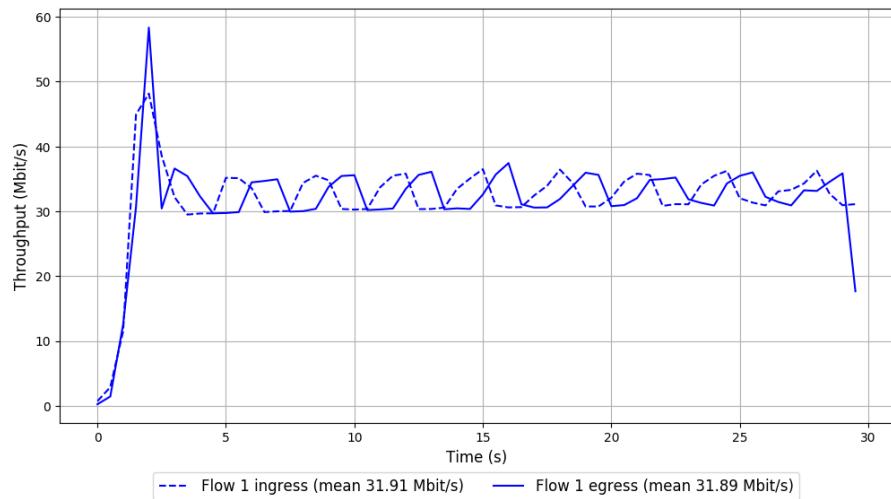


Run 7: Statistics of TCP Vegas

```
Start at: 2018-04-10 11:34:45
End at: 2018-04-10 11:35:15
Local clock offset: 26.079 ms
Remote clock offset: 1.035 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 86.724 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 86.724 ms
Loss rate: 0.81%
```

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

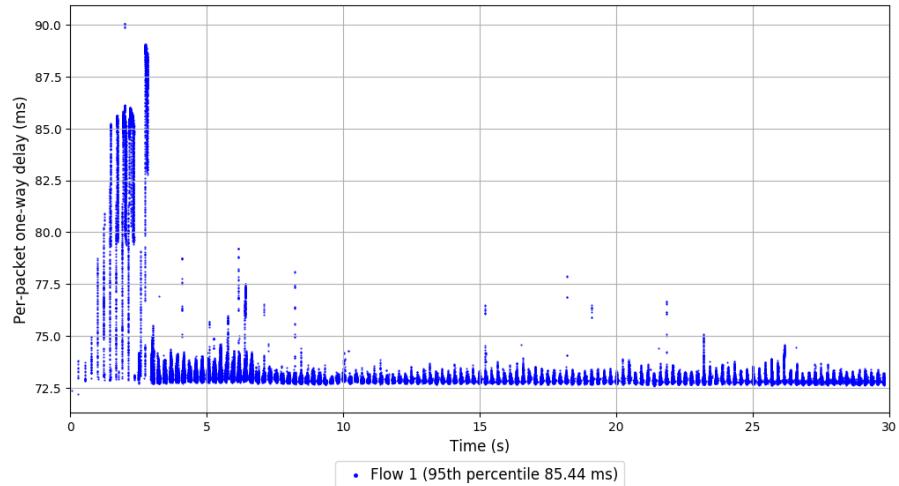
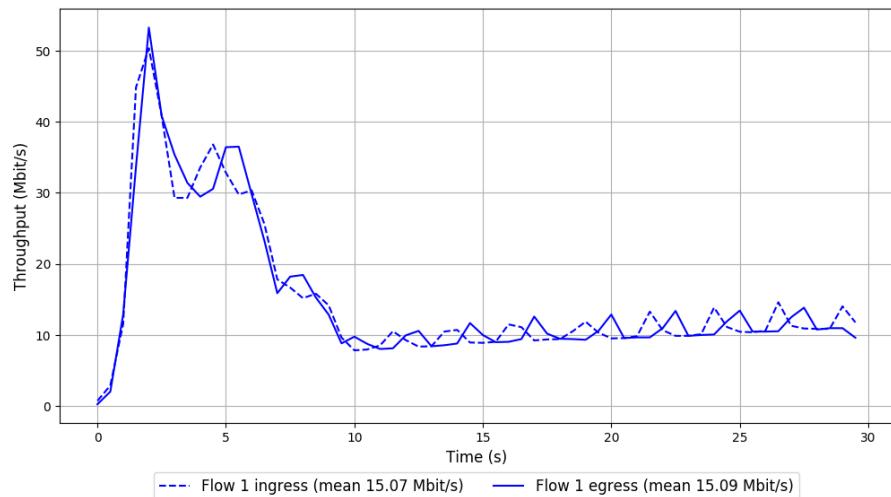


Run 8: Statistics of TCP Vegas

```
Start at: 2018-04-10 11:59:39
End at: 2018-04-10 12:00:09
Local clock offset: 41.442 ms
Remote clock offset: 3.61 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 85.440 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 85.440 ms
Loss rate: 0.61%
```

Run 8: Report of TCP Vegas — Data Link

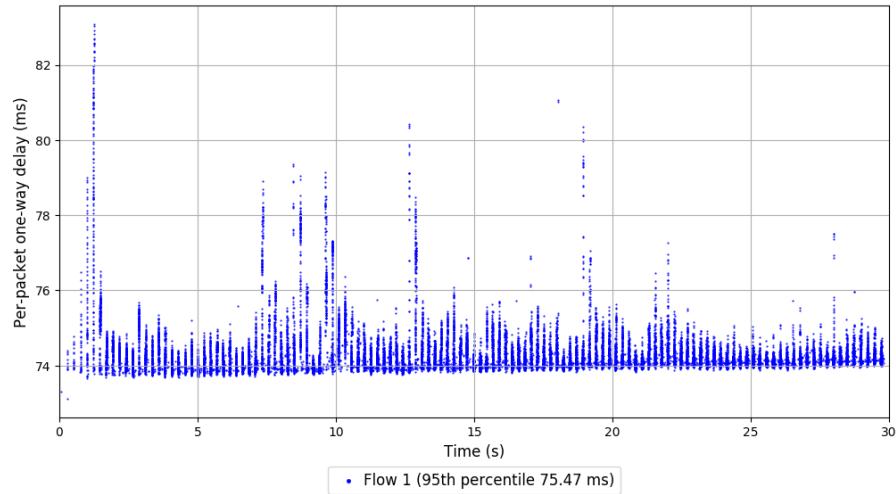
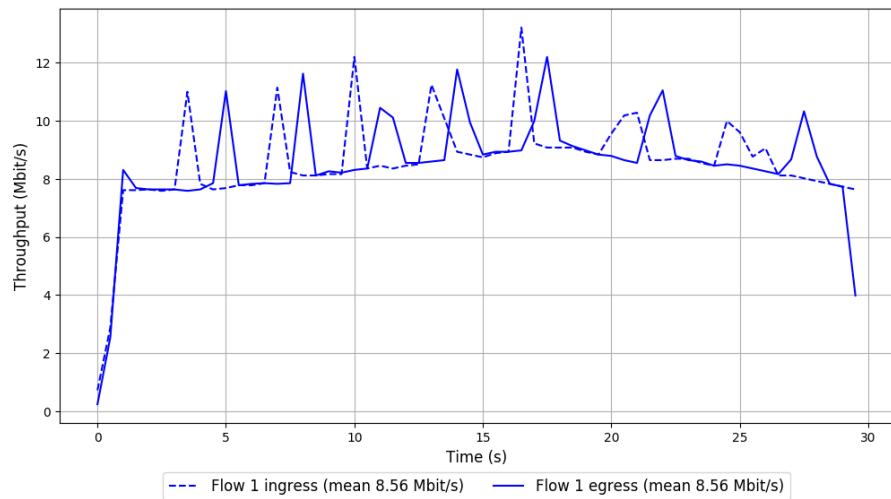


Run 9: Statistics of TCP Vegas

```
Start at: 2018-04-10 12:24:02
End at: 2018-04-10 12:24:32
Local clock offset: 52.137 ms
Remote clock offset: 6.818 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 75.471 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 75.471 ms
Loss rate: 0.74%
```

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

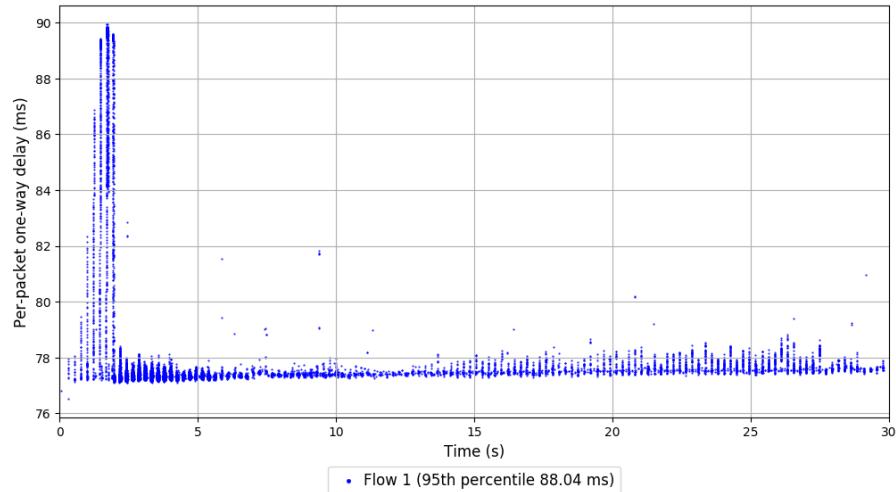
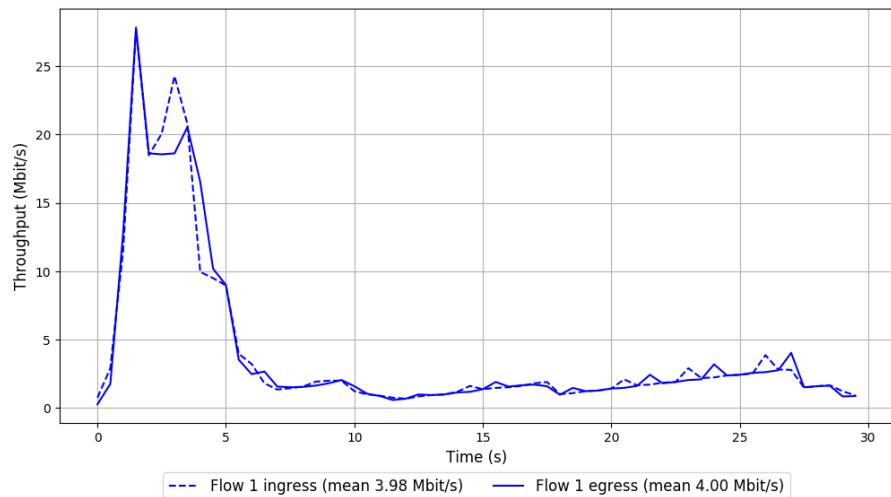


Run 10: Statistics of TCP Vegas

```
Start at: 2018-04-10 12:48:56
End at: 2018-04-10 12:49:26
Local clock offset: 28.402 ms
Remote clock offset: 18.284 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 88.043 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 88.043 ms
Loss rate: 0.30%
```

Run 10: Report of TCP Vegas — Data Link

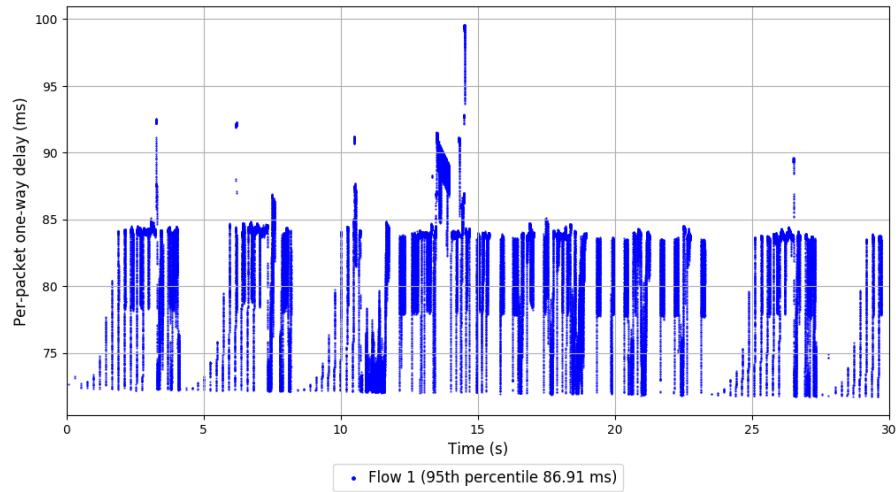
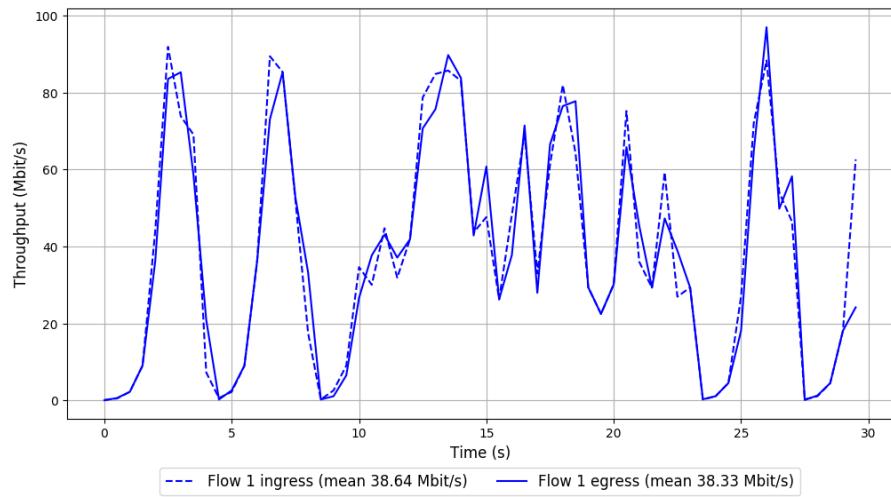


Run 1: Statistics of Verus

```
Start at: 2018-04-10 09:08:50
End at: 2018-04-10 09:09:20
Local clock offset: 2.133 ms
Remote clock offset: 5.916 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 86.913 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 86.913 ms
Loss rate: 1.77%
```

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

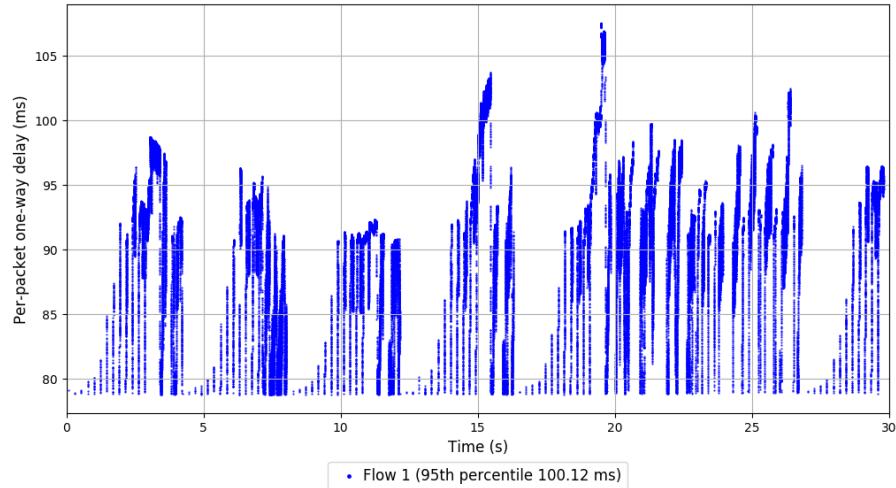
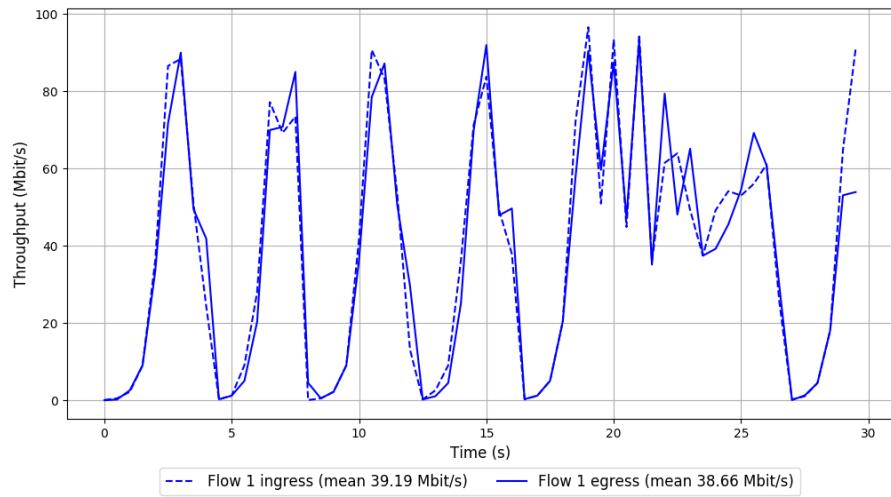


Run 2: Statistics of Verus

```
Start at: 2018-04-10 09:34:48
End at: 2018-04-10 09:35:18
Local clock offset: 2.637 ms
Remote clock offset: -5.985 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 100.116 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 100.116 ms
Loss rate: 2.14%
```

## Run 2: Report of Verus — Data Link

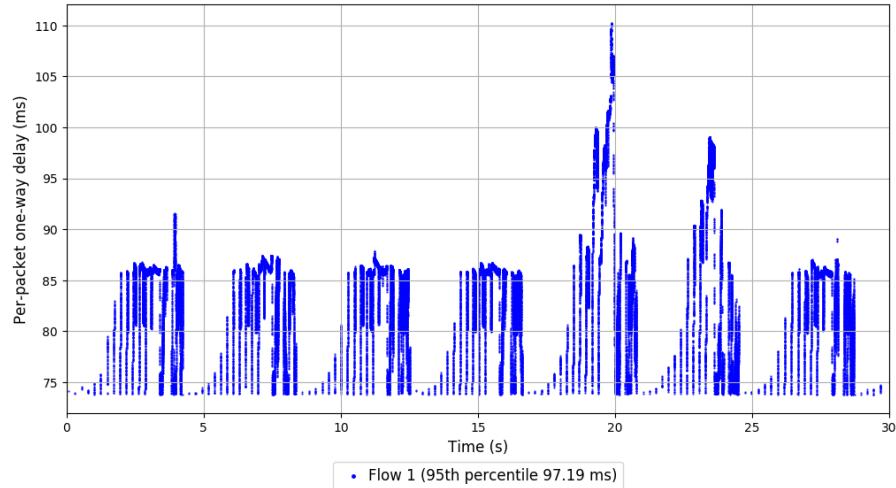
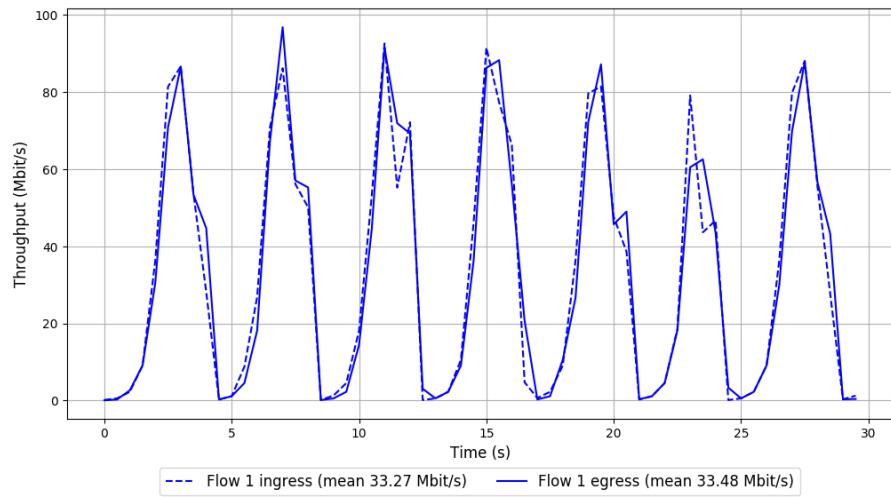


Run 3: Statistics of Verus

```
Start at: 2018-04-10 09:59:09
End at: 2018-04-10 09:59:39
Local clock offset: 1.263 ms
Remote clock offset: -7.057 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 97.194 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 97.194 ms
Loss rate: 0.20%
```

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

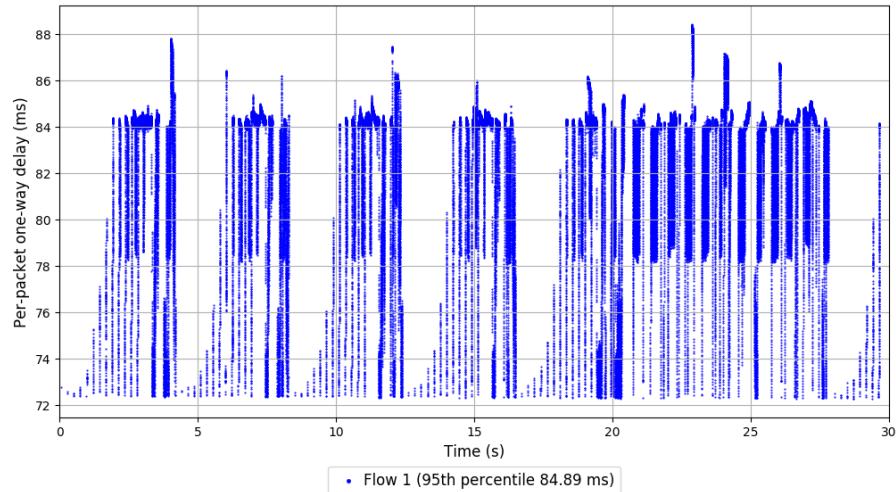
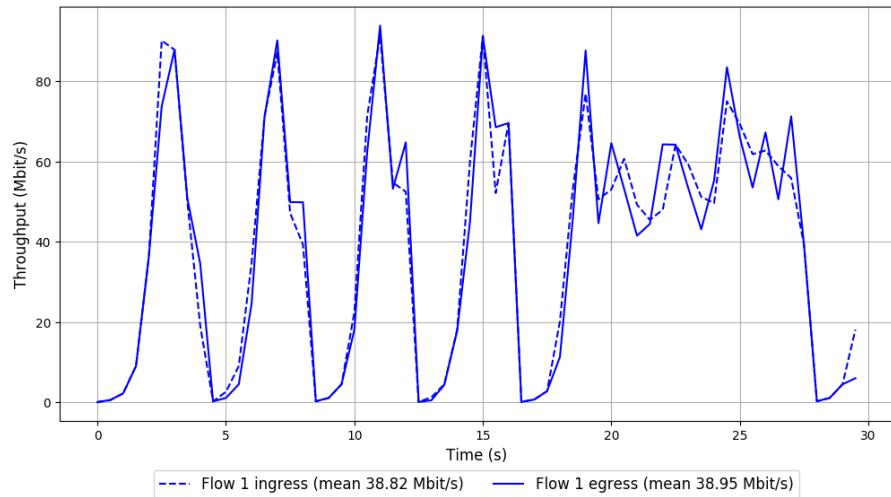


Run 4: Statistics of Verus

```
Start at: 2018-04-10 10:24:58
End at: 2018-04-10 10:25:28
Local clock offset: 1.929 ms
Remote clock offset: -11.823 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 84.891 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 84.891 ms
Loss rate: 0.52%
```

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

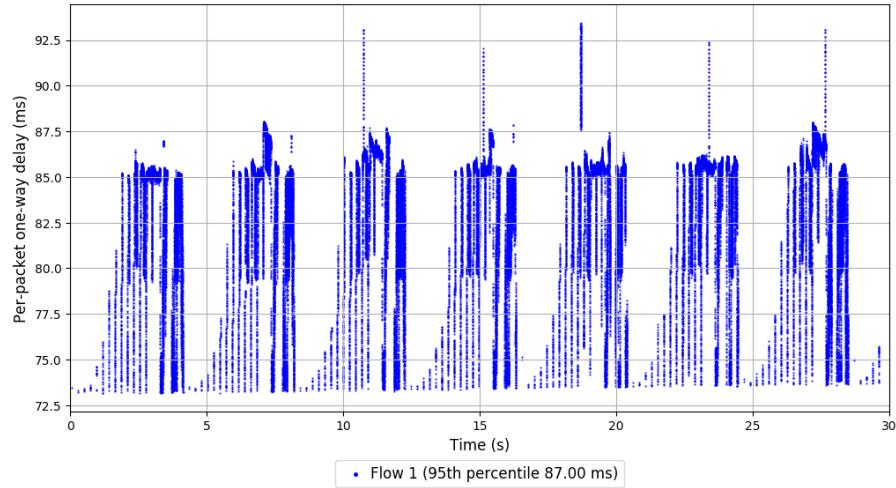
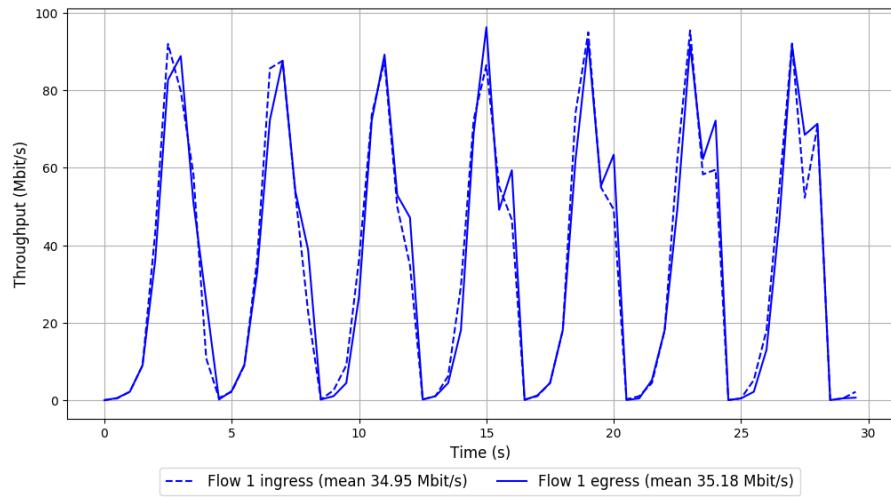


Run 5: Statistics of Verus

```
Start at: 2018-04-10 10:51:53
End at: 2018-04-10 10:52:23
Local clock offset: 1.963 ms
Remote clock offset: 8.677 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 86.995 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 86.995 ms
Loss rate: 0.08%
```

Run 5: Report of Verus — Data Link

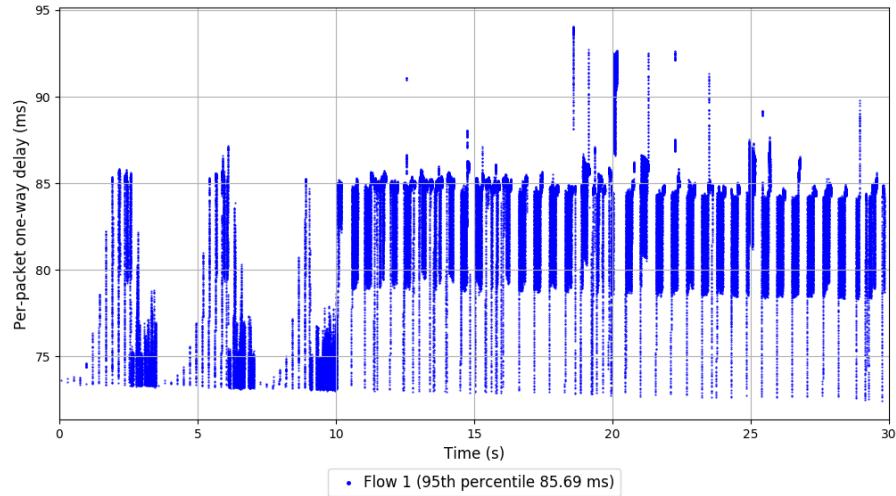
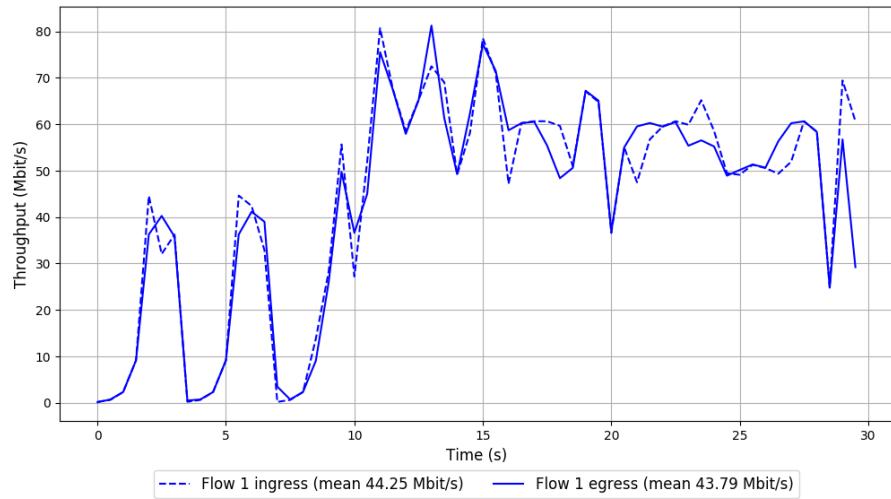


Run 6: Statistics of Verus

```
Start at: 2018-04-10 11:16:45
End at: 2018-04-10 11:17:16
Local clock offset: 1.926 ms
Remote clock offset: 18.682 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 85.695 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 85.695 ms
Loss rate: 1.75%
```

## Run 6: Report of Verus — Data Link

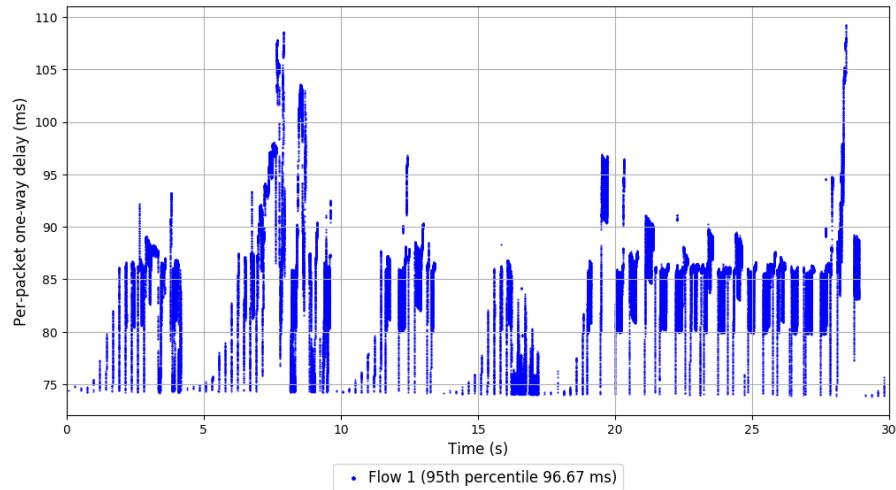
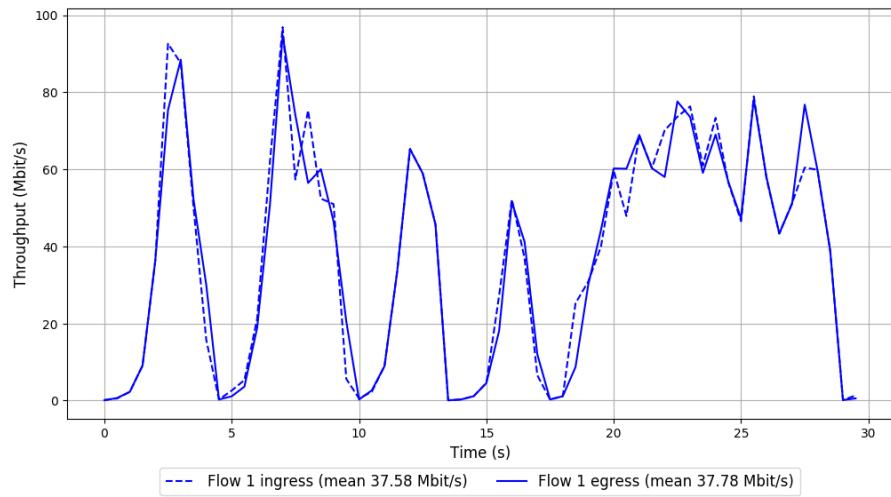


Run 7: Statistics of Verus

```
Start at: 2018-04-10 11:41:34
End at: 2018-04-10 11:42:04
Local clock offset: 31.916 ms
Remote clock offset: -1.157 ms

# Below is generated by plot.py at 2018-04-10 17:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 96.672 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 96.672 ms
Loss rate: 0.23%
```

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

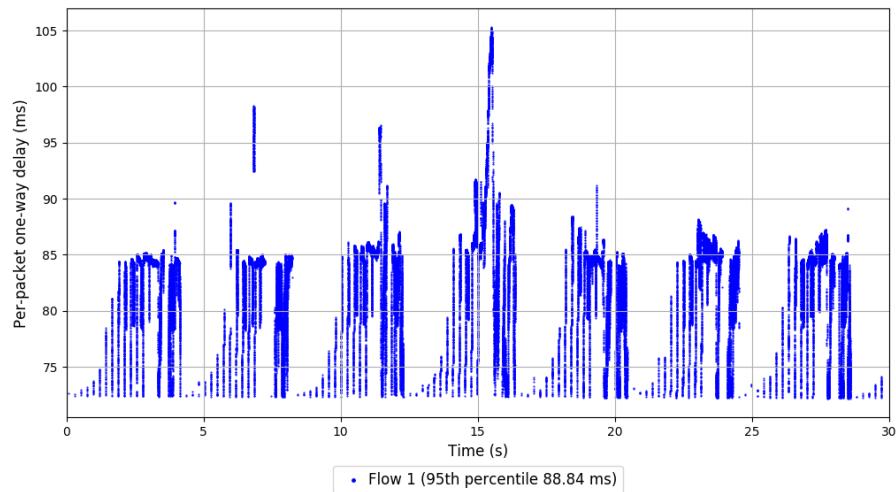
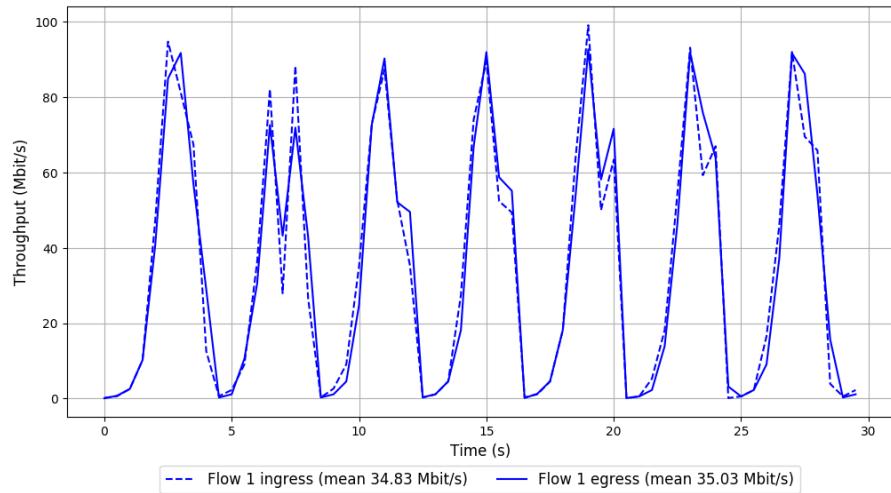


Run 8: Statistics of Verus

```
Start at: 2018-04-10 12:06:28
End at: 2018-04-10 12:06:58
Local clock offset: 44.628 ms
Remote clock offset: 4.953 ms

# Below is generated by plot.py at 2018-04-10 17:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 88.839 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 88.839 ms
Loss rate: 0.17%
```

Run 8: Report of Verus — Data Link

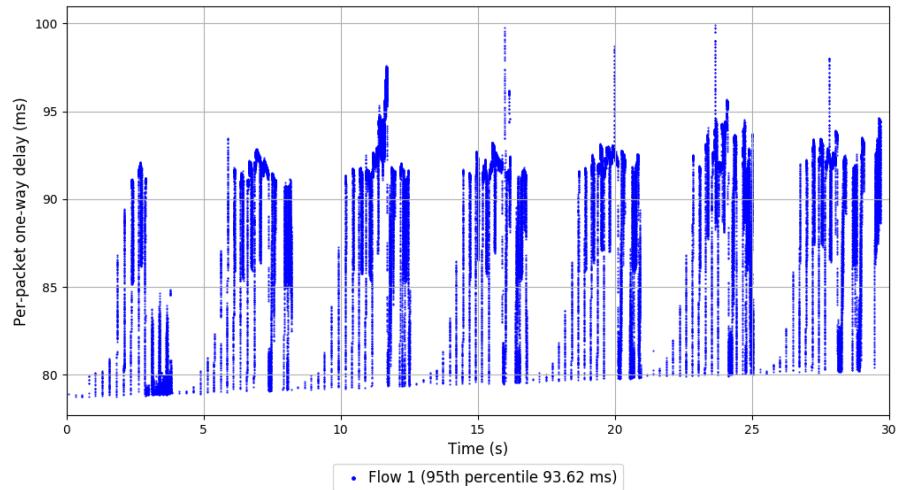
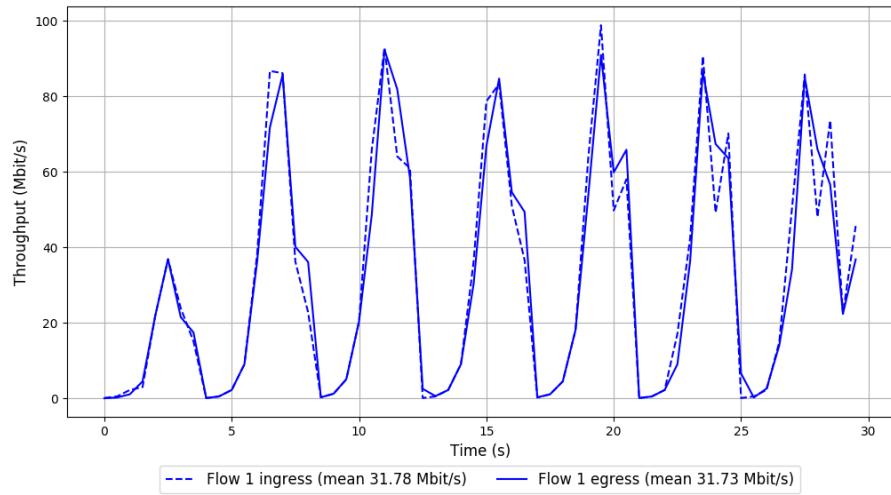


Run 9: Statistics of Verus

```
Start at: 2018-04-10 12:31:04
End at: 2018-04-10 12:31:34
Local clock offset: 51.09 ms
Remote clock offset: 12.227 ms

# Below is generated by plot.py at 2018-04-10 17:24:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 93.617 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 93.617 ms
Loss rate: 1.36%
```

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

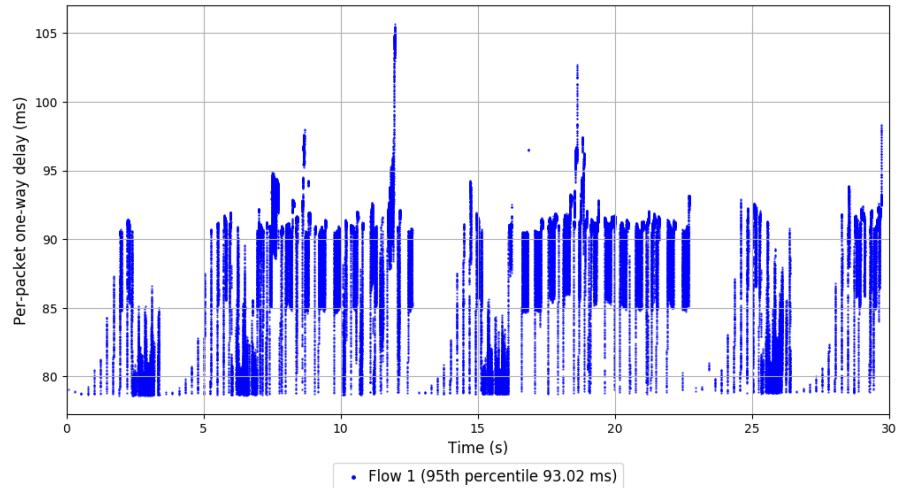
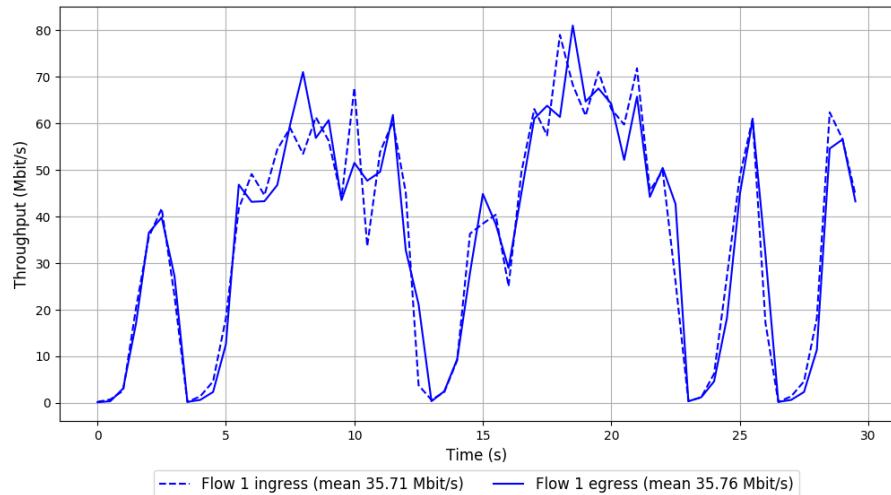


Run 10: Statistics of Verus

```
Start at: 2018-04-10 12:56:07
End at: 2018-04-10 12:56:37
Local clock offset: 25.902 ms
Remote clock offset: 19.926 ms

# Below is generated by plot.py at 2018-04-10 17:24:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.76 Mbit/s
95th percentile per-packet one-way delay: 93.016 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 35.76 Mbit/s
95th percentile per-packet one-way delay: 93.016 ms
Loss rate: 1.03%
```

## Run 10: Report of Verus — Data Link

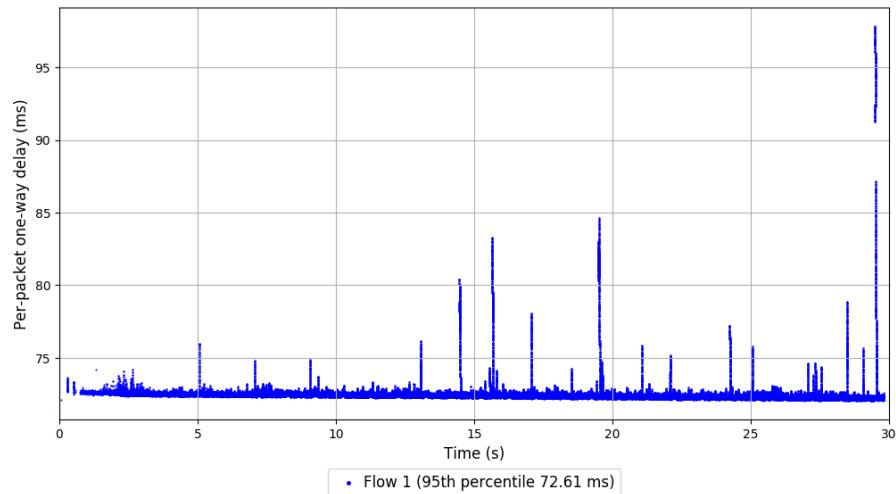
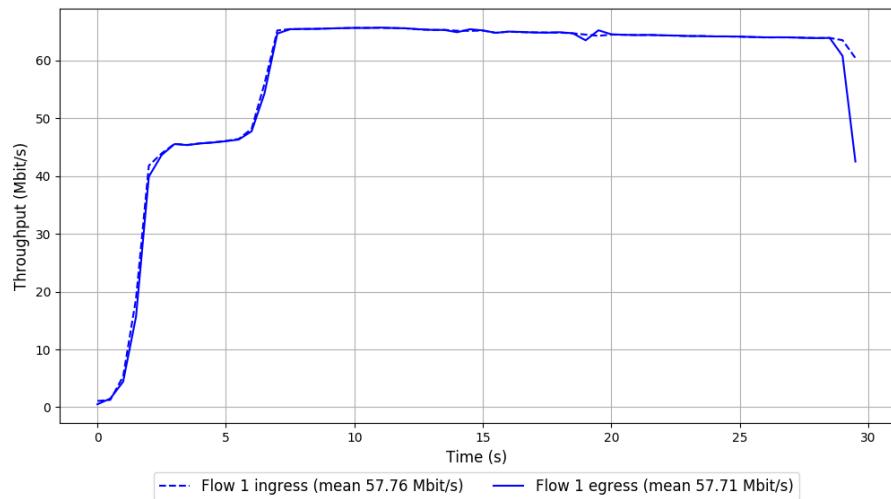


Run 1: Statistics of Copa

```
Start at: 2018-04-10 09:15:37
End at: 2018-04-10 09:16:07
Local clock offset: 2.341 ms
Remote clock offset: -0.673 ms

# Below is generated by plot.py at 2018-04-10 17:25:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.71 Mbit/s
95th percentile per-packet one-way delay: 72.610 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 57.71 Mbit/s
95th percentile per-packet one-way delay: 72.610 ms
Loss rate: 0.86%
```

Run 1: Report of Copa — Data Link

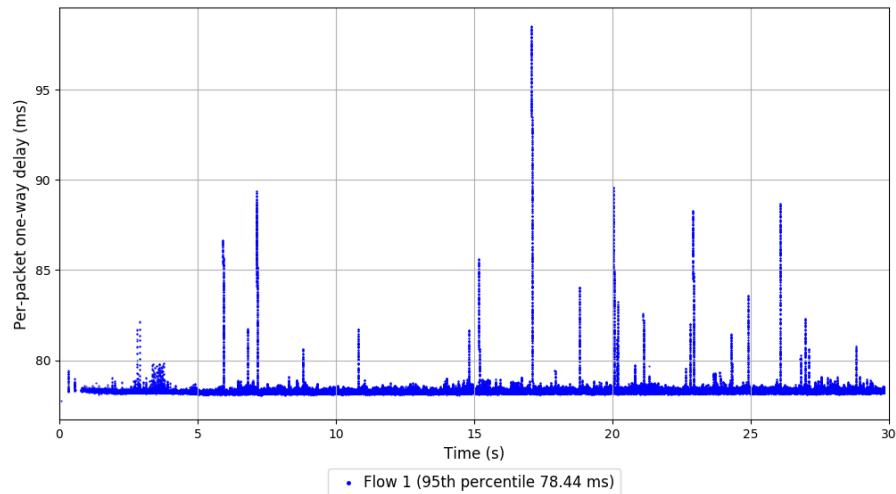
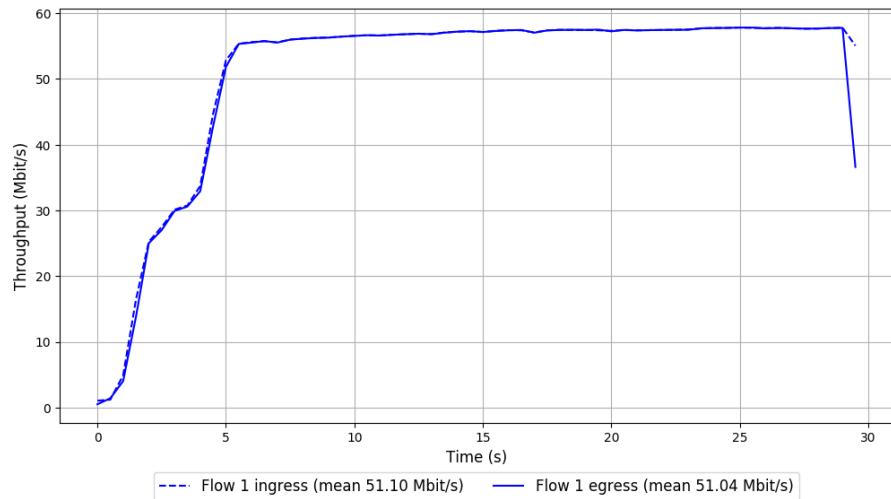


Run 2: Statistics of Copa

```
Start at: 2018-04-10 09:41:36
End at: 2018-04-10 09:42:06
Local clock offset: 2.159 ms
Remote clock offset: -5.181 ms

# Below is generated by plot.py at 2018-04-10 17:25:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 78.435 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 78.435 ms
Loss rate: 0.90%
```

## Run 2: Report of Copa — Data Link

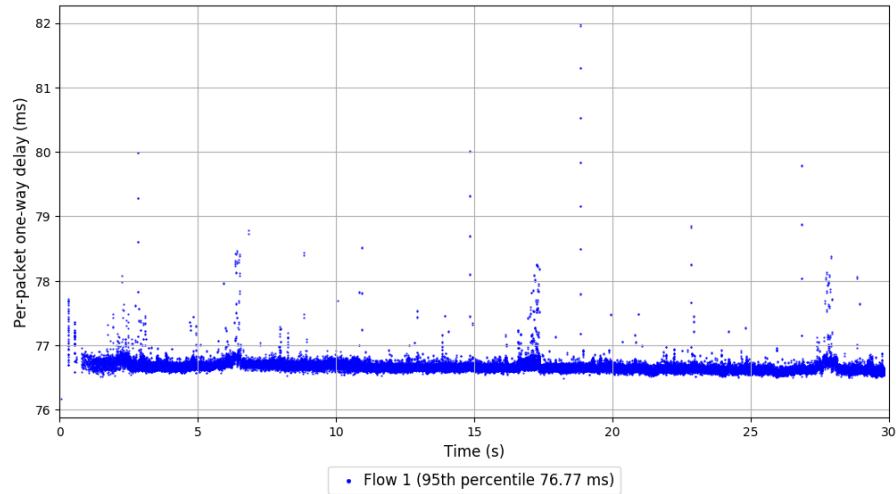
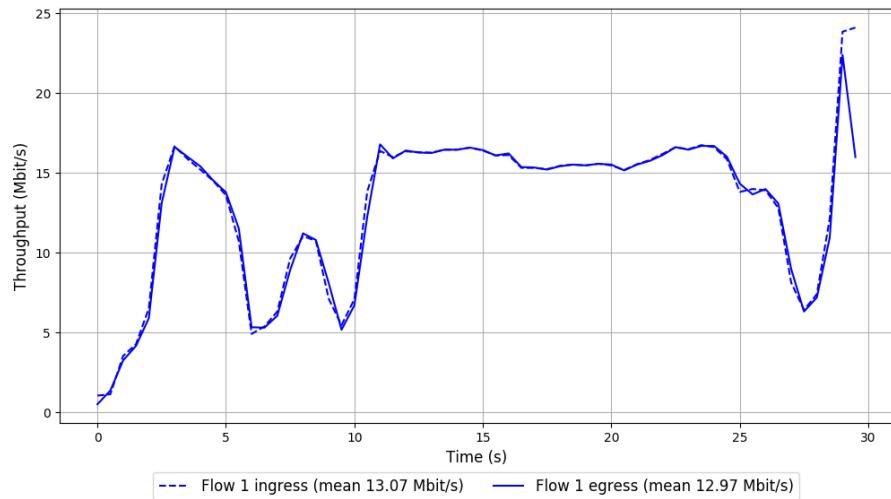


Run 3: Statistics of Copa

```
Start at: 2018-04-10 10:06:36
End at: 2018-04-10 10:07:06
Local clock offset: 1.181 ms
Remote clock offset: -8.245 ms

# Below is generated by plot.py at 2018-04-10 17:25:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 76.767 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 76.767 ms
Loss rate: 1.54%
```

### Run 3: Report of Copa — Data Link

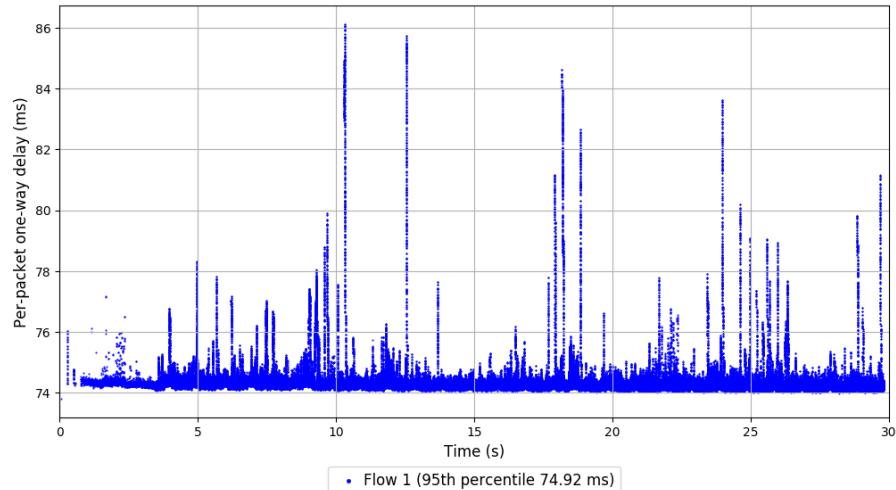
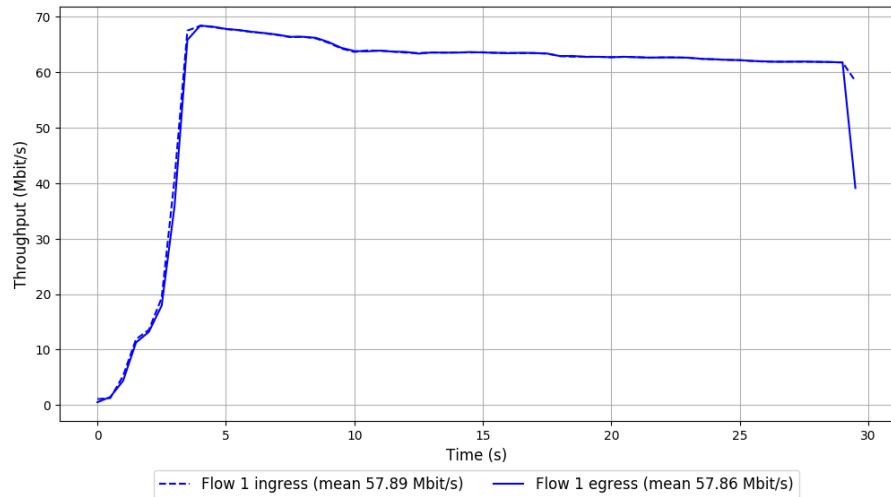


Run 4: Statistics of Copa

```
Start at: 2018-04-10 10:31:45
End at: 2018-04-10 10:32:15
Local clock offset: 2.062 ms
Remote clock offset: -13.059 ms

# Below is generated by plot.py at 2018-04-10 17:25:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 74.919 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 74.919 ms
Loss rate: 0.82%
```

## Run 4: Report of Copa — Data Link

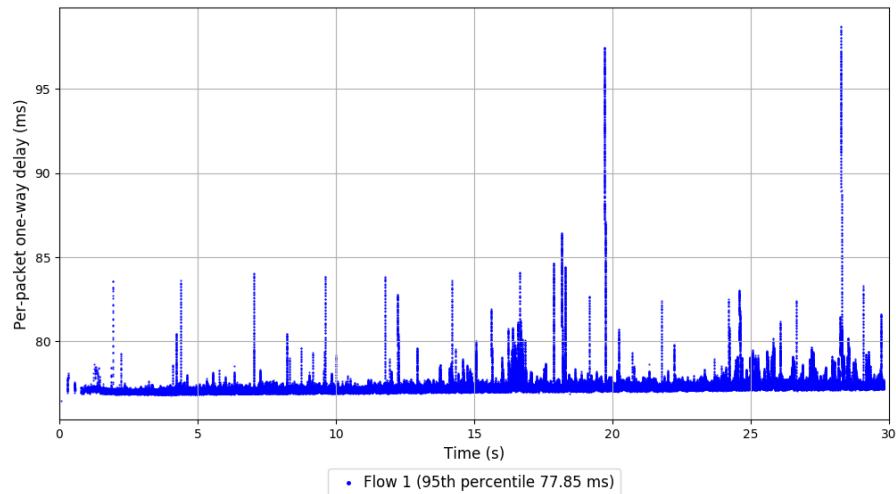
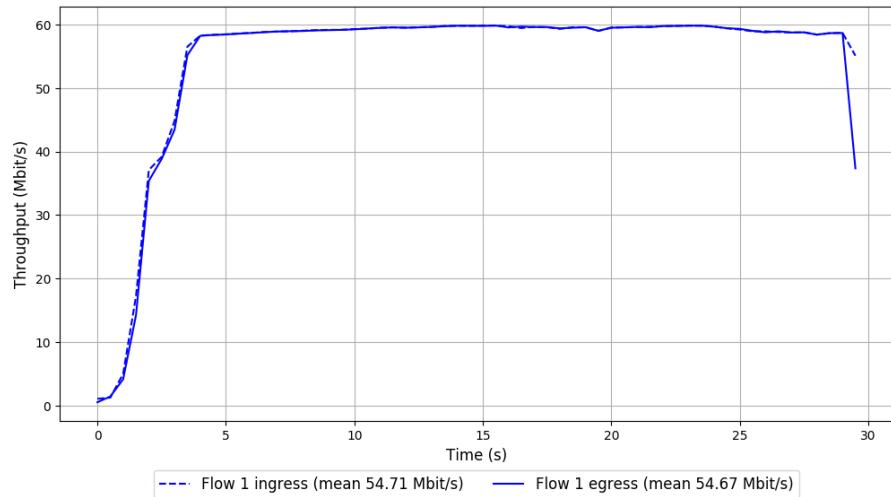


Run 5: Statistics of Copa

```
Start at: 2018-04-10 10:58:42
End at: 2018-04-10 10:59:12
Local clock offset: 2.018 ms
Remote clock offset: 14.844 ms

# Below is generated by plot.py at 2018-04-10 17:25:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 77.847 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 77.847 ms
Loss rate: 0.82%
```

### Run 5: Report of Copa — Data Link

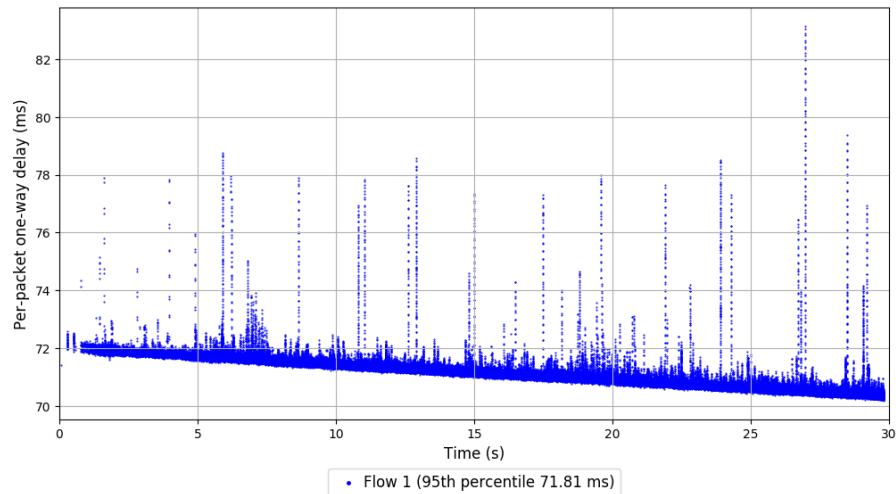
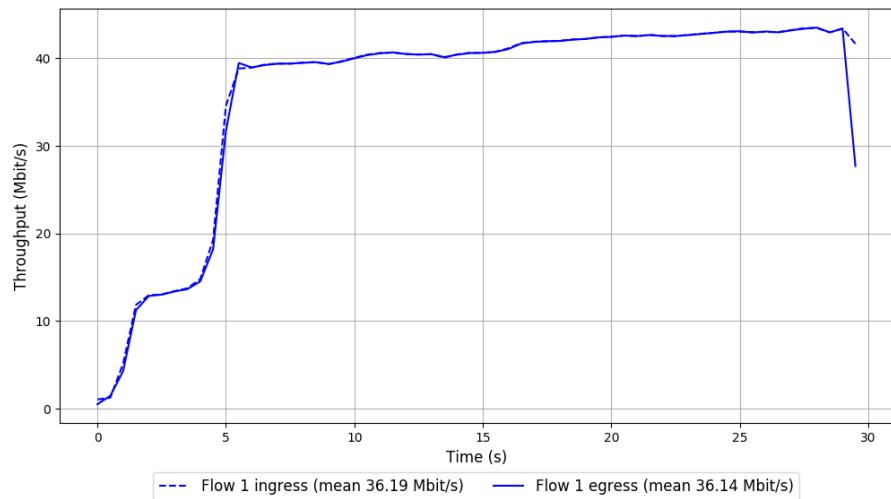


Run 6: Statistics of Copa

```
Start at: 2018-04-10 11:24:04
End at: 2018-04-10 11:24:34
Local clock offset: 8.604 ms
Remote clock offset: 7.641 ms

# Below is generated by plot.py at 2018-04-10 17:25:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 71.813 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 71.813 ms
Loss rate: 0.92%
```

Run 6: Report of Copa — Data Link

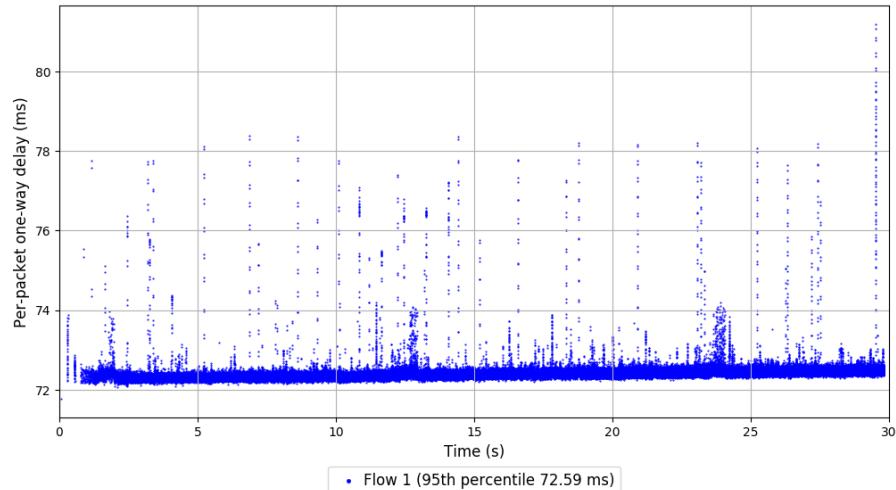
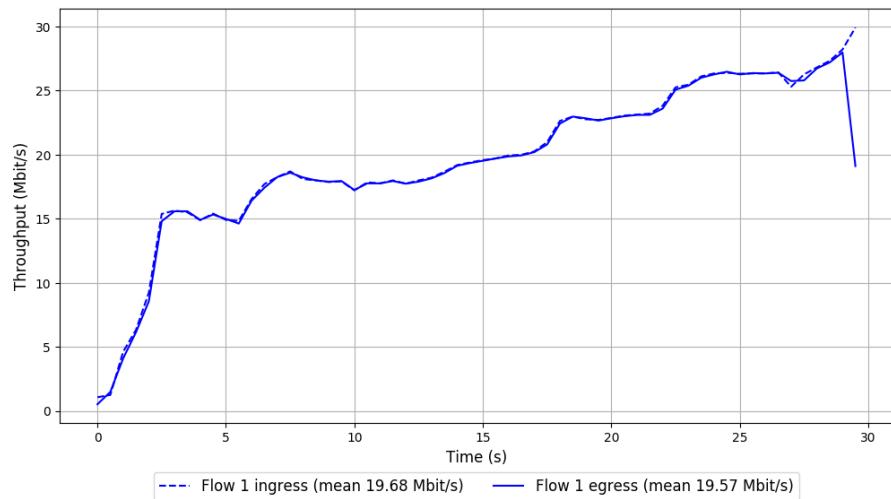


Run 7: Statistics of Copa

```
Start at: 2018-04-10 11:48:51
End at: 2018-04-10 11:49:21
Local clock offset: 36.253 ms
Remote clock offset: -2.596 ms

# Below is generated by plot.py at 2018-04-10 17:25:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 72.586 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 72.586 ms
Loss rate: 1.35%
```

### Run 7: Report of Copa — Data Link

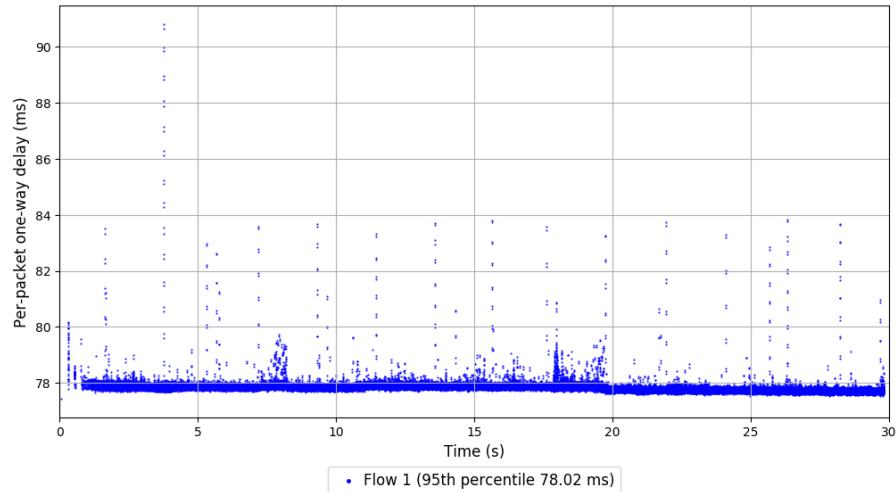
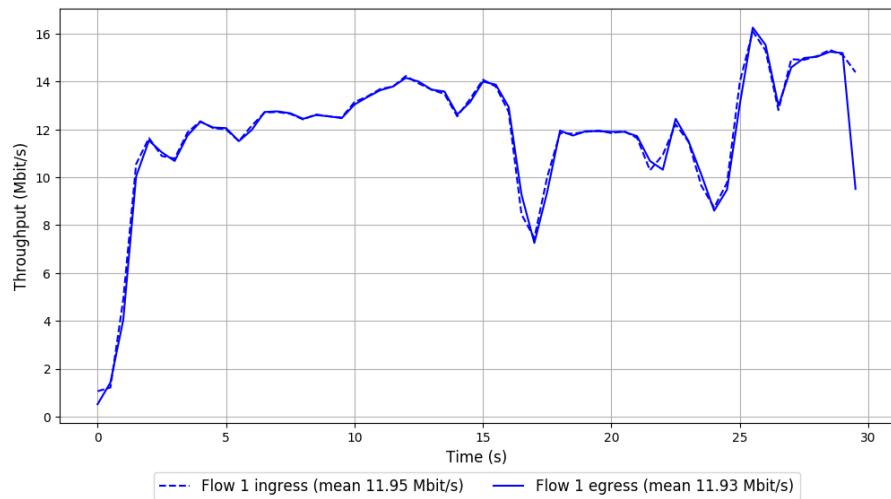


Run 8: Statistics of Copa

```
Start at: 2018-04-10 12:13:29
End at: 2018-04-10 12:13:59
Local clock offset: 47.685 ms
Remote clock offset: 5.579 ms

# Below is generated by plot.py at 2018-04-10 17:25:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 78.024 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 78.024 ms
Loss rate: 1.01%
```

### Run 8: Report of Copa — Data Link

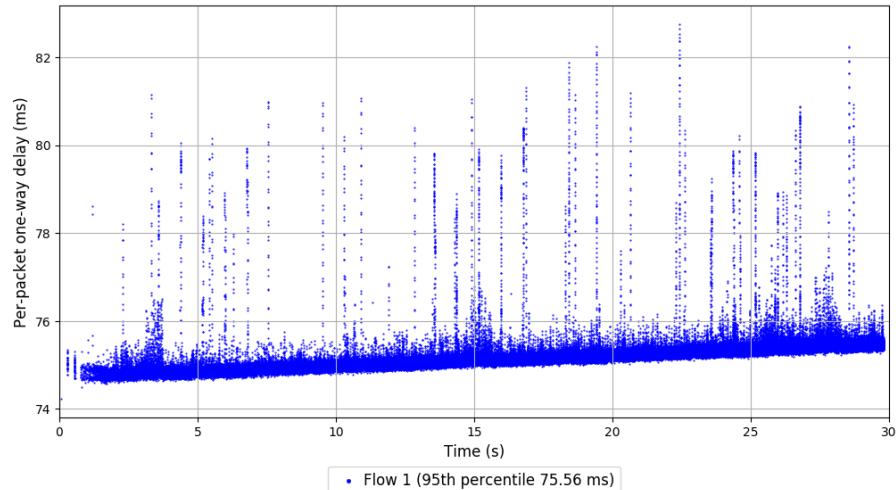
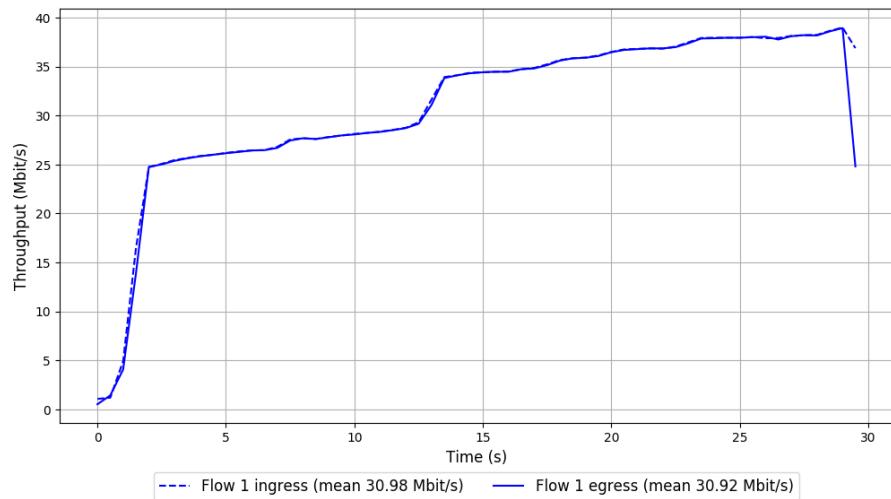


Run 9: Statistics of Copa

```
Start at: 2018-04-10 12:38:04
End at: 2018-04-10 12:38:34
Local clock offset: 36.68 ms
Remote clock offset: 15.43 ms

# Below is generated by plot.py at 2018-04-10 17:25:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 75.561 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 75.561 ms
Loss rate: 0.97%
```

### Run 9: Report of Copa — Data Link

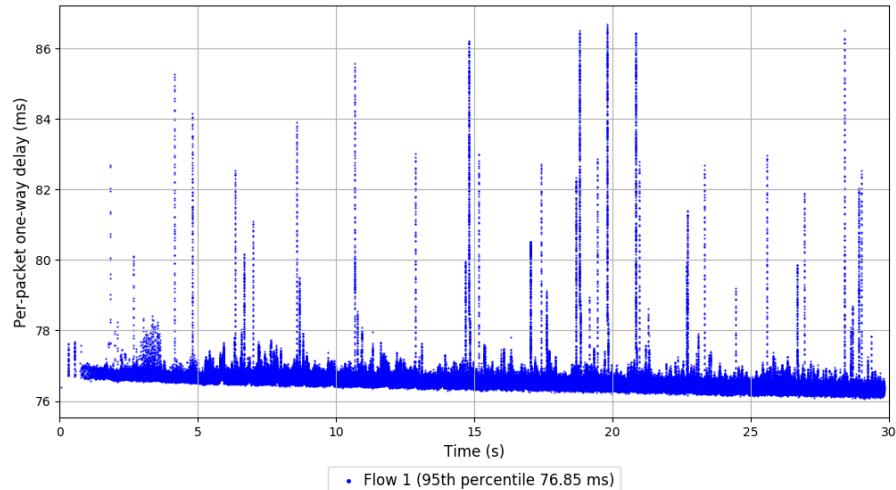
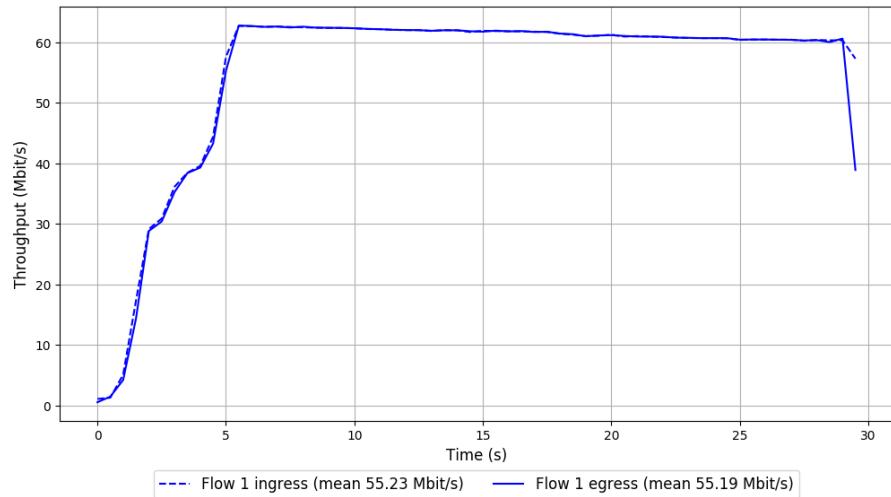


Run 10: Statistics of Copa

```
Start at: 2018-04-10 13:02:56
End at: 2018-04-10 13:03:26
Local clock offset: 24.792 ms
Remote clock offset: 11.098 ms

# Below is generated by plot.py at 2018-04-10 17:26:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 76.850 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 76.850 ms
Loss rate: 0.84%
```

Run 10: Report of Copa — Data Link

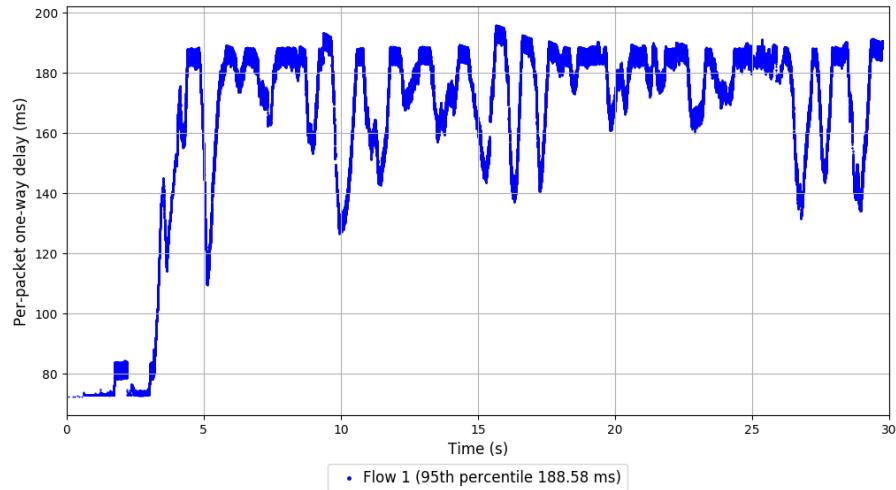
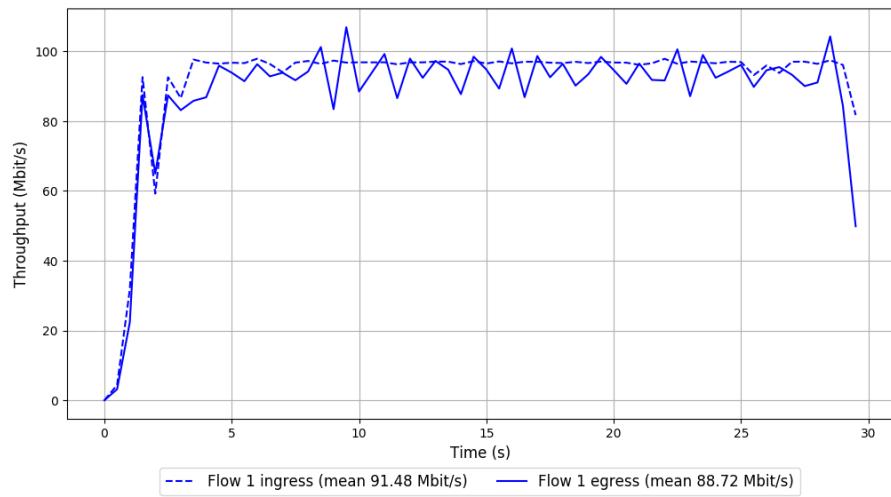


```
Run 1: Statistics of FillP
```

```
Start at: 2018-04-10 09:21:05
End at: 2018-04-10 09:21:35
Local clock offset: 2.416 ms
Remote clock offset: -4.068 ms

# Below is generated by plot.py at 2018-04-10 17:26:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 188.582 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 188.582 ms
Loss rate: 3.76%
```

Run 1: Report of FillP — Data Link

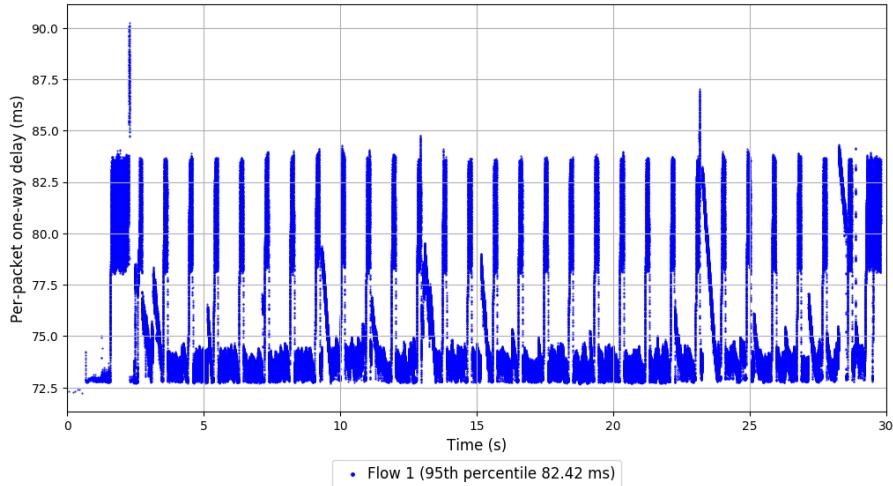
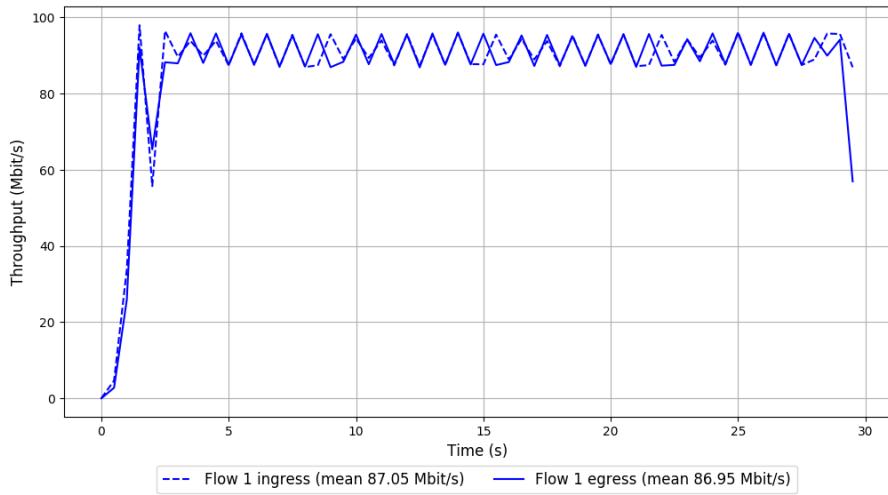


Run 2: Statistics of FillP

```
Start at: 2018-04-10 09:46:59
End at: 2018-04-10 09:47:29
Local clock offset: 1.764 ms
Remote clock offset: -5.4 ms

# Below is generated by plot.py at 2018-04-10 17:26:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 82.421 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 82.421 ms
Loss rate: 0.87%
```

Run 2: Report of FillP — Data Link

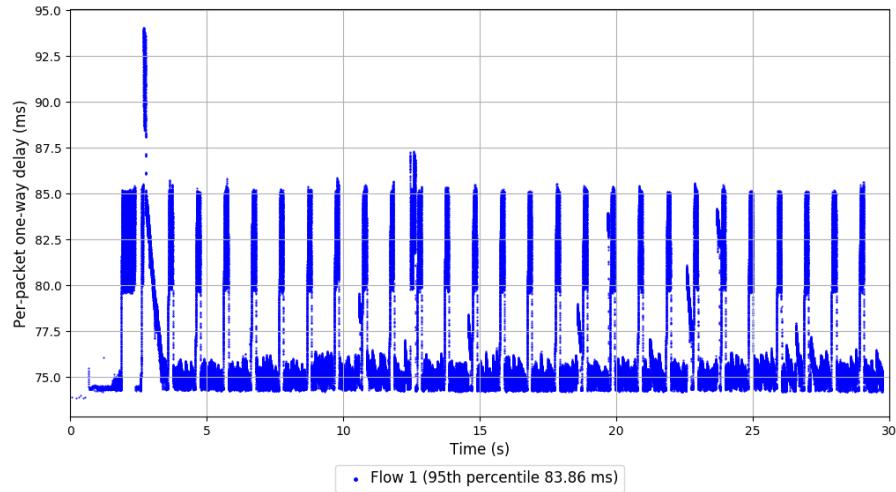
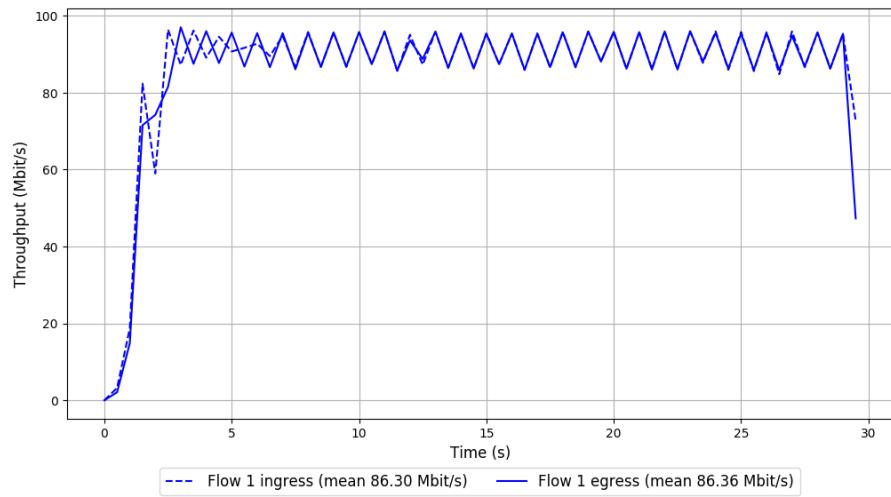


Run 3: Statistics of FillP

```
Start at: 2018-04-10 10:11:52
End at: 2018-04-10 10:12:22
Local clock offset: 1.205 ms
Remote clock offset: -9.339 ms

# Below is generated by plot.py at 2018-04-10 17:26:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 83.859 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 83.859 ms
Loss rate: 0.77%
```

Run 3: Report of FillP — Data Link

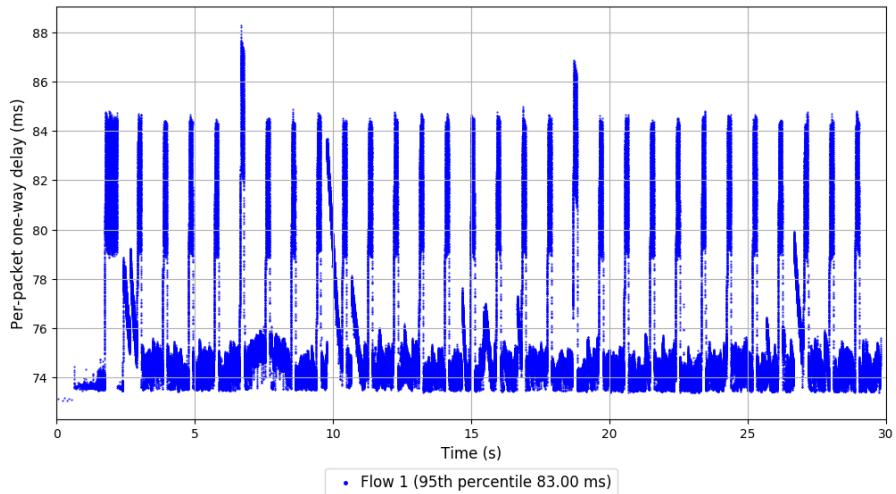
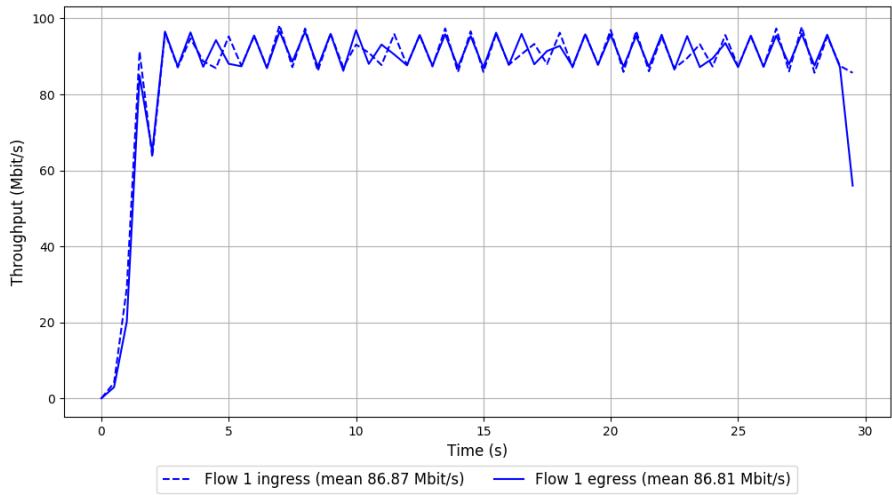


Run 4: Statistics of FillP

```
Start at: 2018-04-10 10:39:48
End at: 2018-04-10 10:40:18
Local clock offset: 1.811 ms
Remote clock offset: -14.562 ms

# Below is generated by plot.py at 2018-04-10 17:26:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 83.000 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 83.000 ms
Loss rate: 0.84%
```

Run 4: Report of FillP — Data Link

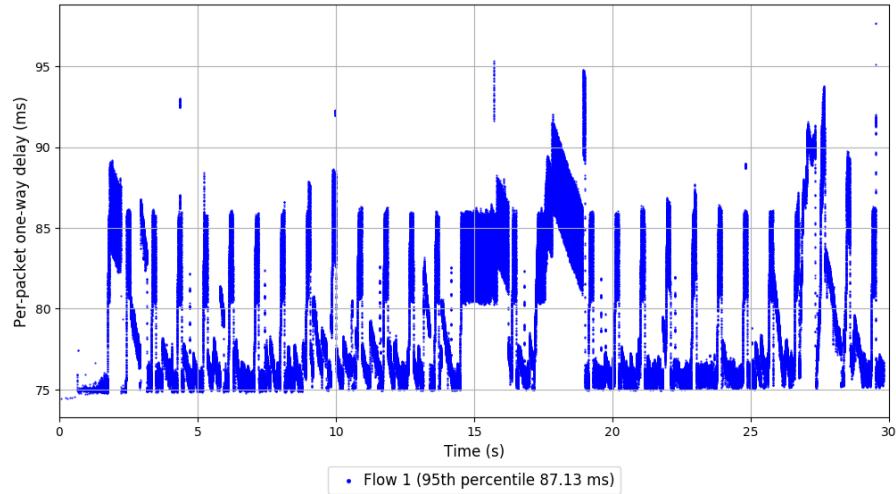
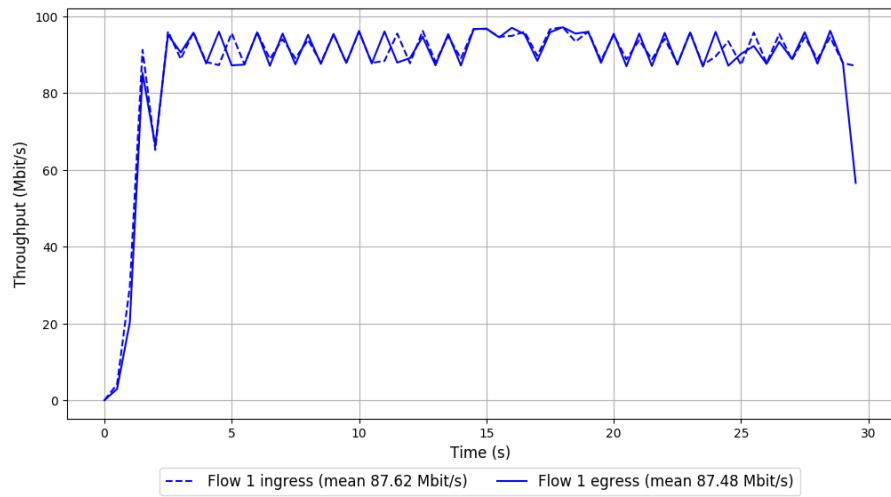


Run 5: Statistics of FillP

```
Start at: 2018-04-10 11:04:09
End at: 2018-04-10 11:04:39
Local clock offset: 2.159 ms
Remote clock offset: 18.044 ms

# Below is generated by plot.py at 2018-04-10 17:26:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 87.129 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 87.129 ms
Loss rate: 0.93%
```

Run 5: Report of FillP — Data Link

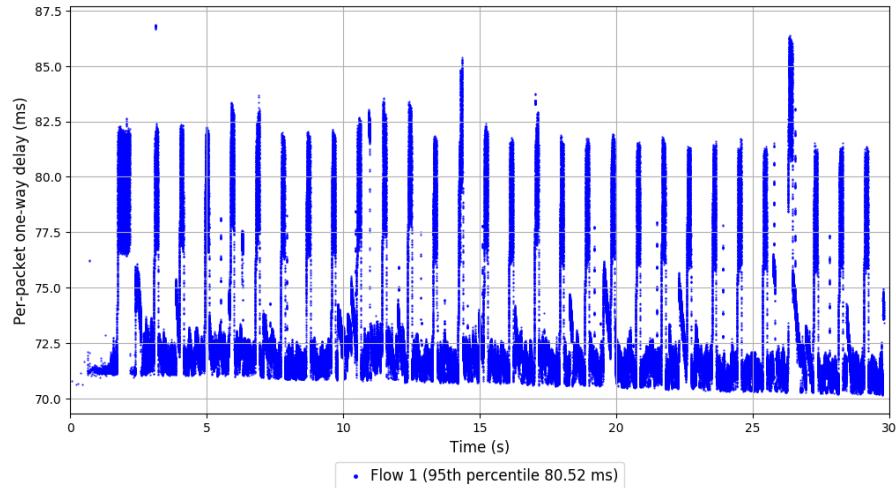
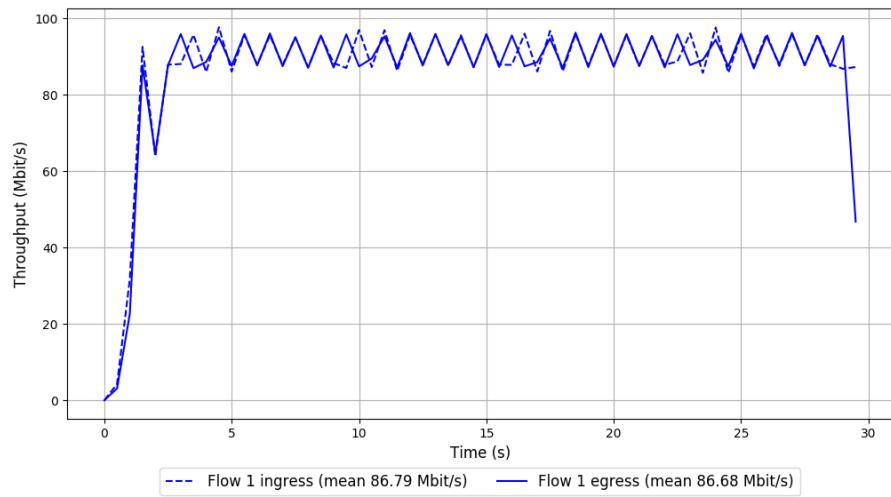


Run 6: Statistics of FillP

```
Start at: 2018-04-10 11:29:28
End at: 2018-04-10 11:29:58
Local clock offset: 19.132 ms
Remote clock offset: 3.595 ms

# Below is generated by plot.py at 2018-04-10 17:26:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 80.515 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 80.515 ms
Loss rate: 0.89%
```

Run 6: Report of FillP — Data Link

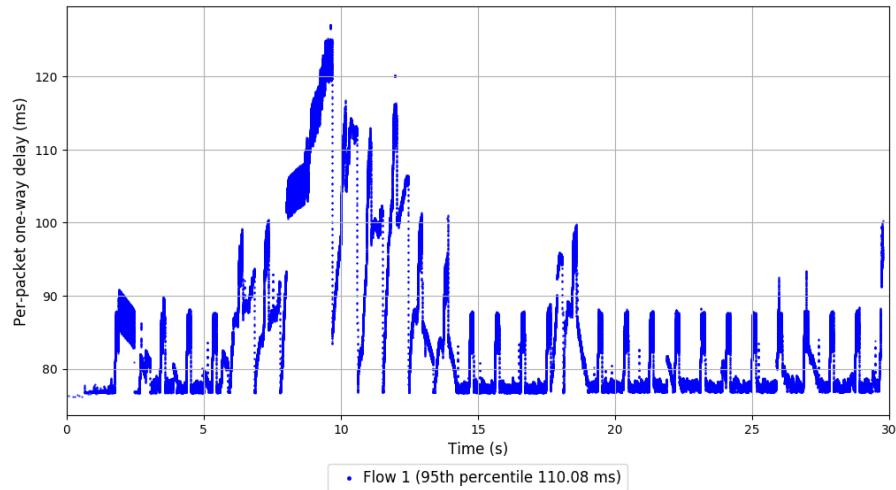
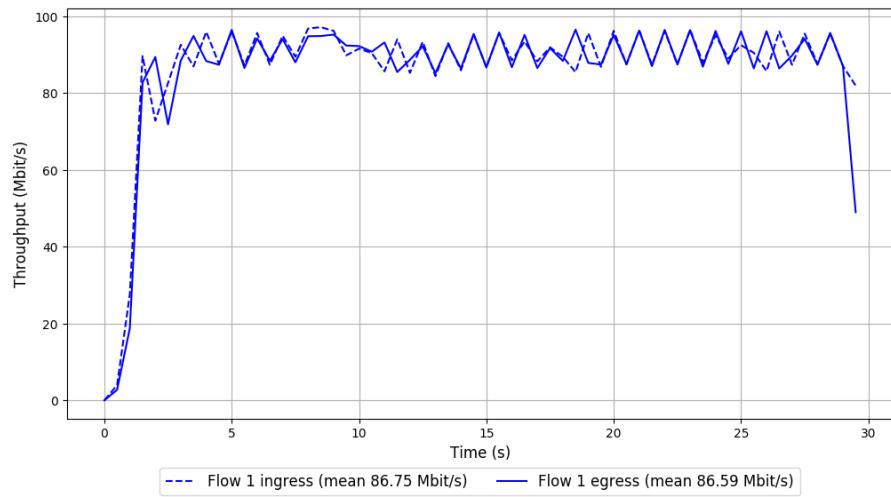


Run 7: Statistics of FillP

```
Start at: 2018-04-10 11:54:20
End at: 2018-04-10 11:54:50
Local clock offset: 39.052 ms
Remote clock offset: 1.481 ms

# Below is generated by plot.py at 2018-04-10 17:27:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 110.085 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 110.085 ms
Loss rate: 0.97%
```

Run 7: Report of FillP — Data Link

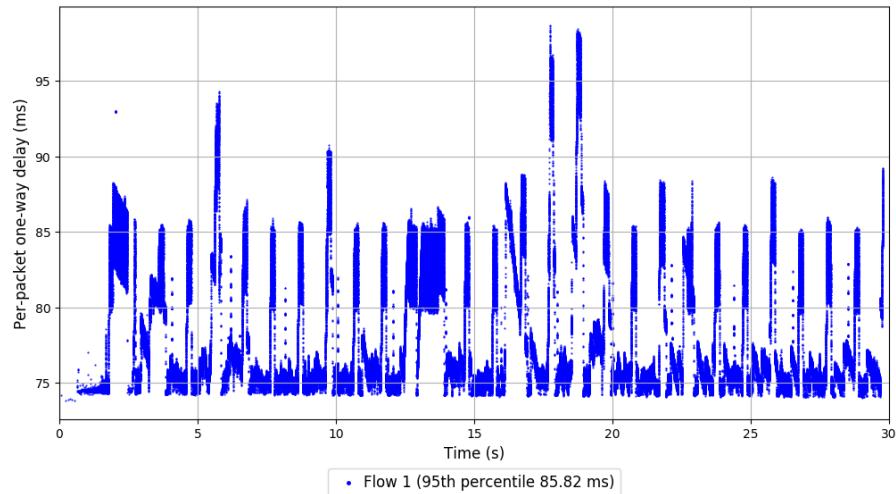
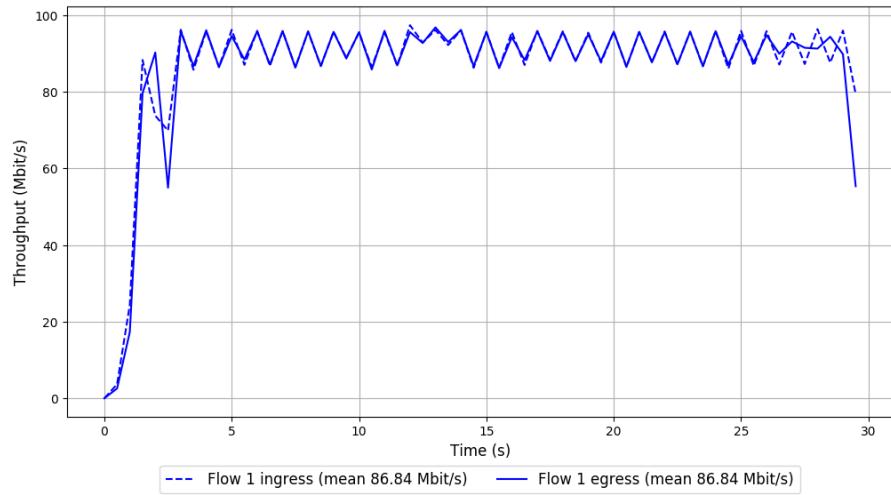


Run 8: Statistics of FillP

```
Start at: 2018-04-10 12:18:45
End at: 2018-04-10 12:19:15
Local clock offset: 49.954 ms
Remote clock offset: 5.658 ms

# Below is generated by plot.py at 2018-04-10 17:27:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.84 Mbit/s
95th percentile per-packet one-way delay: 85.822 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 86.84 Mbit/s
95th percentile per-packet one-way delay: 85.822 ms
Loss rate: 0.77%
```

Run 8: Report of FillP — Data Link

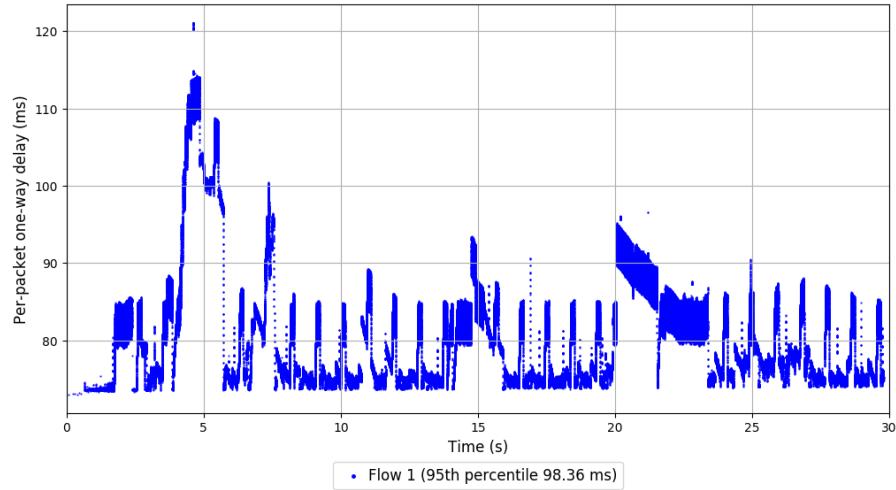
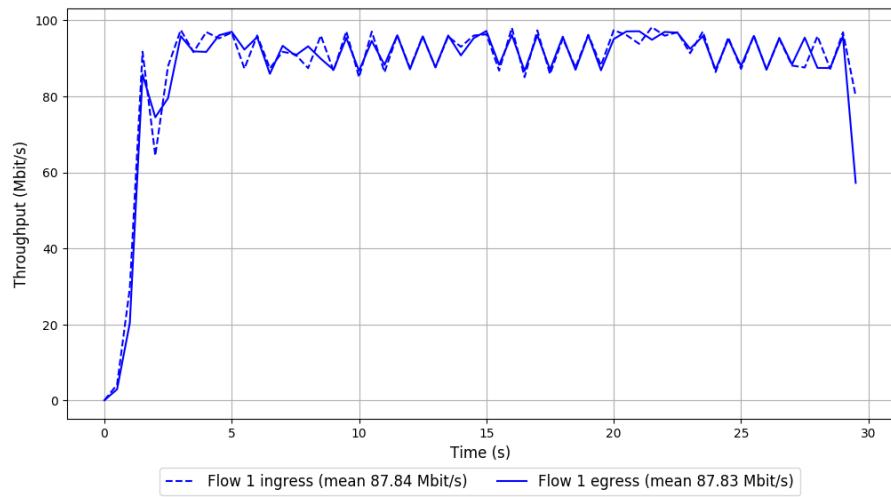


Run 9: Statistics of FillP

```
Start at: 2018-04-10 12:43:27
End at: 2018-04-10 12:43:57
Local clock offset: 31.377 ms
Remote clock offset: 17.117 ms

# Below is generated by plot.py at 2018-04-10 17:27:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 98.361 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 98.361 ms
Loss rate: 0.81%
```

Run 9: Report of FillP — Data Link

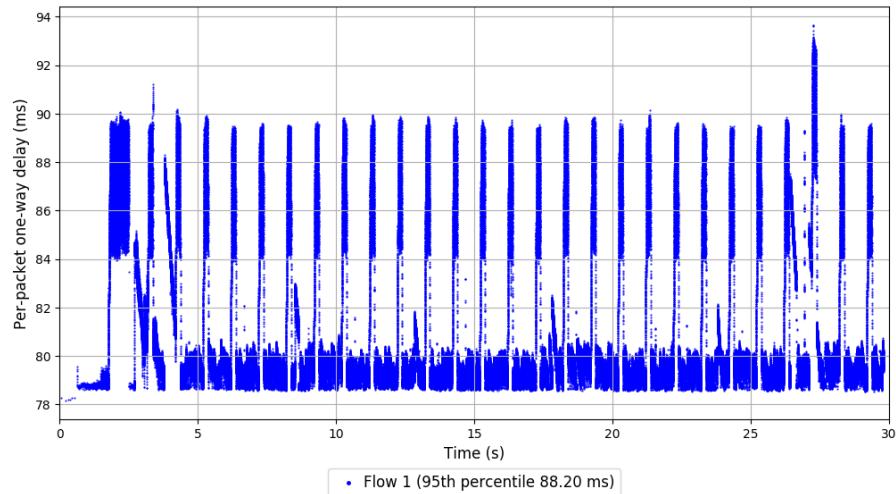
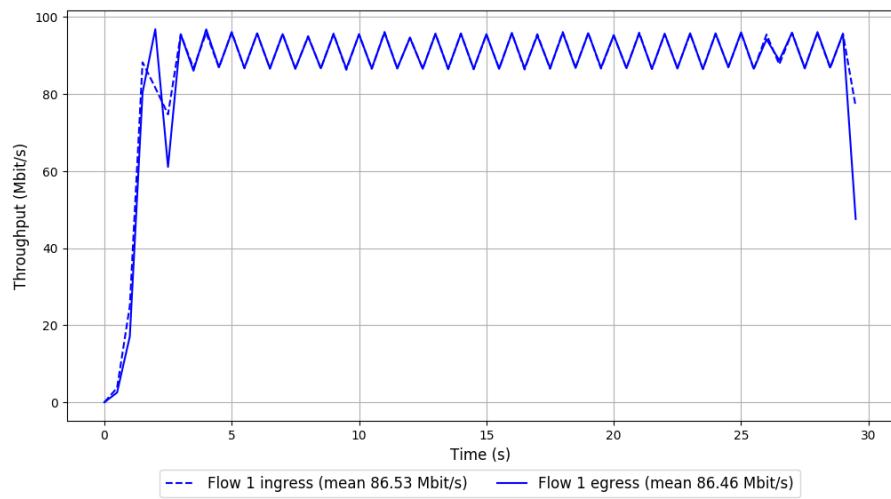


Run 10: Statistics of FillP

```
Start at: 2018-04-10 13:08:20
End at: 2018-04-10 13:08:50
Local clock offset: 22.127 ms
Remote clock offset: 6.468 ms

# Below is generated by plot.py at 2018-04-10 17:28:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 88.198 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 88.198 ms
Loss rate: 0.85%
```

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

/home/ubuntu/pantheon\_data/2018-04-10T09-00-China-to-AWS-Korea-10-runs/indigo\_1\_32\_stats\_run

Run 1: Report of Indigo-1-32 — Data Link

Figure is missing

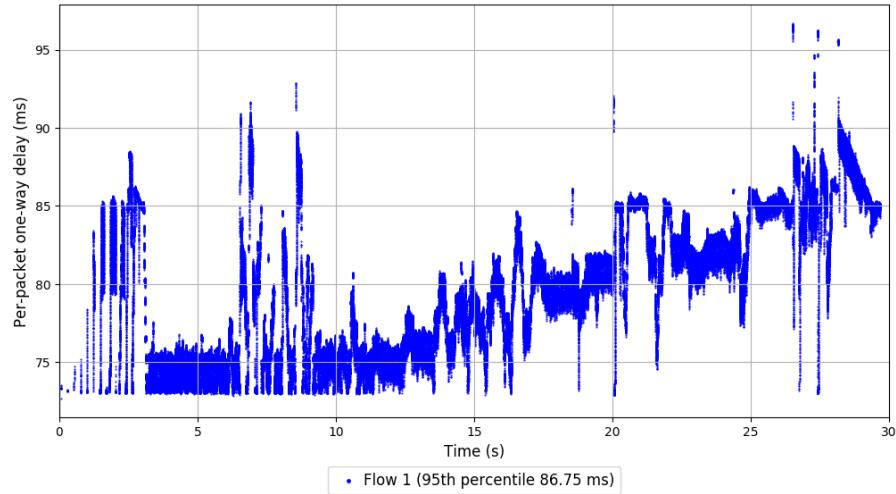
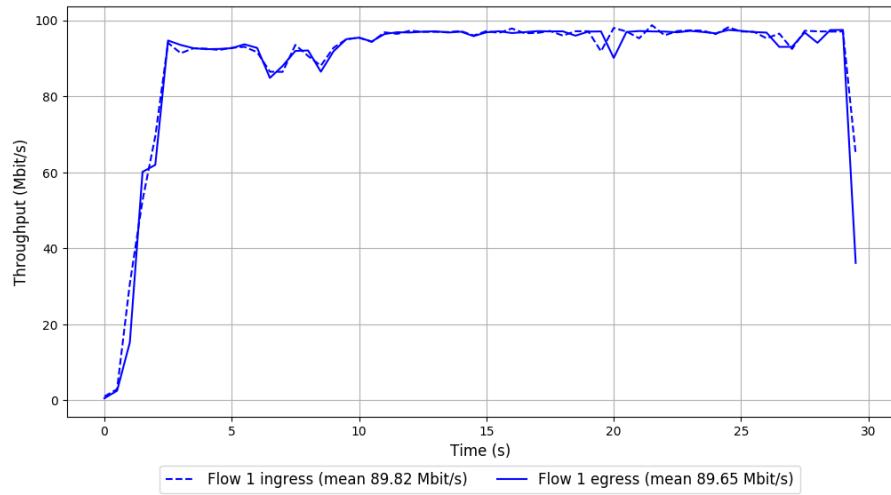
Figure is missing

Run 2: Statistics of Indigo-1-32

```
Start at: 2018-04-10 09:29:16
End at: 2018-04-10 09:29:46
Local clock offset: 2.417 ms
Remote clock offset: -7.919 ms

# Below is generated by plot.py at 2018-04-10 17:28:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.95%
```

Run 2: Report of Indigo-1-32 — Data Link

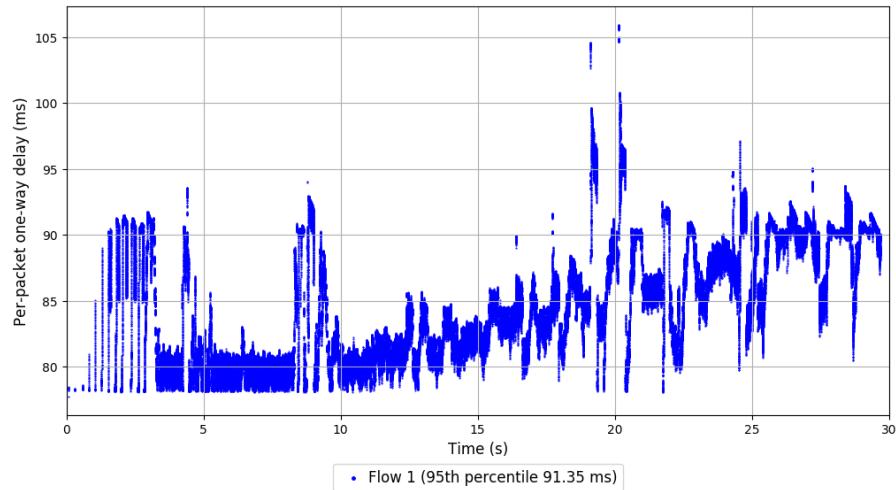
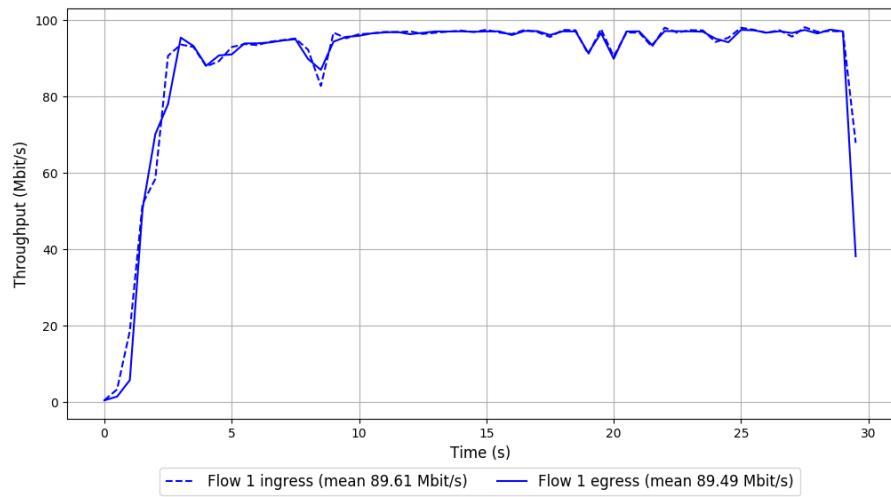


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-04-10 09:53:38
End at: 2018-04-10 09:54:08
Local clock offset: 1.454 ms
Remote clock offset: -6.15 ms

# Below is generated by plot.py at 2018-04-10 17:28:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 91.349 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 91.349 ms
Loss rate: 0.91%
```

### Run 3: Report of Indigo-1-32 — Data Link

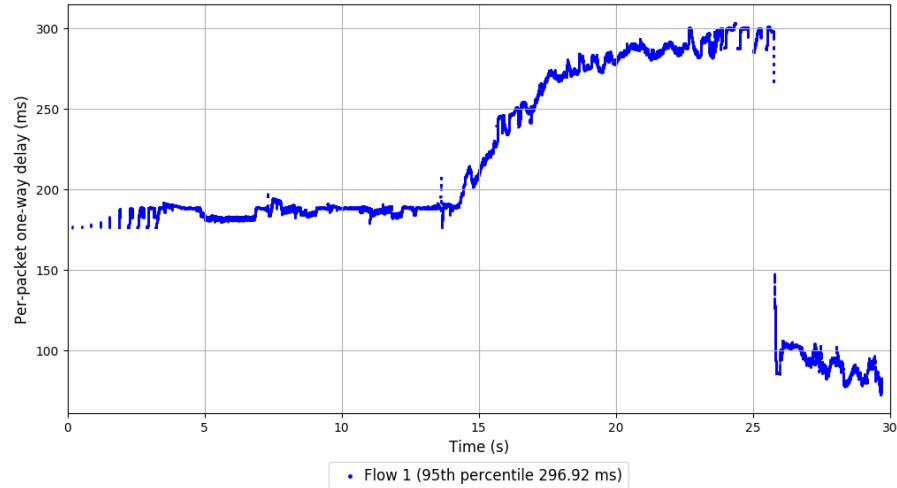
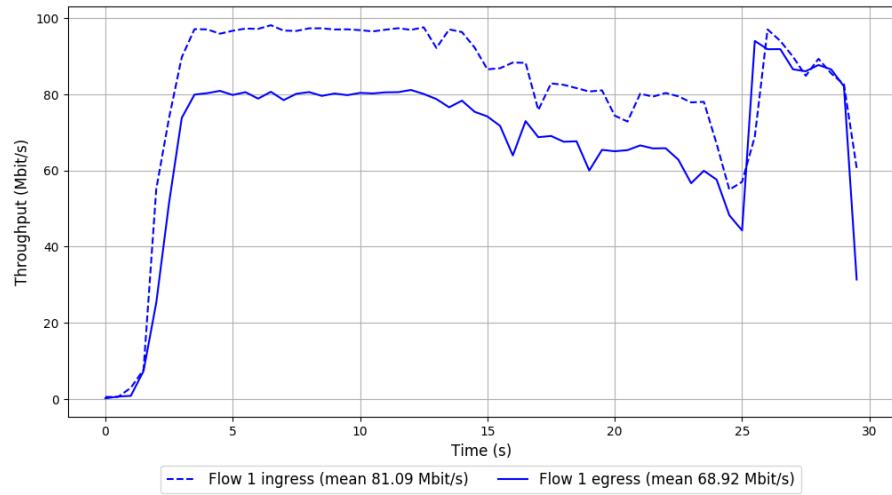


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-04-10 10:19:15
End at: 2018-04-10 10:19:45
Local clock offset: 1.675 ms
Remote clock offset: -10.64 ms

# Below is generated by plot.py at 2018-04-10 17:28:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 296.918 ms
Loss rate: 15.96%
-- Flow 1:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 296.918 ms
Loss rate: 15.96%
```

Run 4: Report of Indigo-1-32 — Data Link

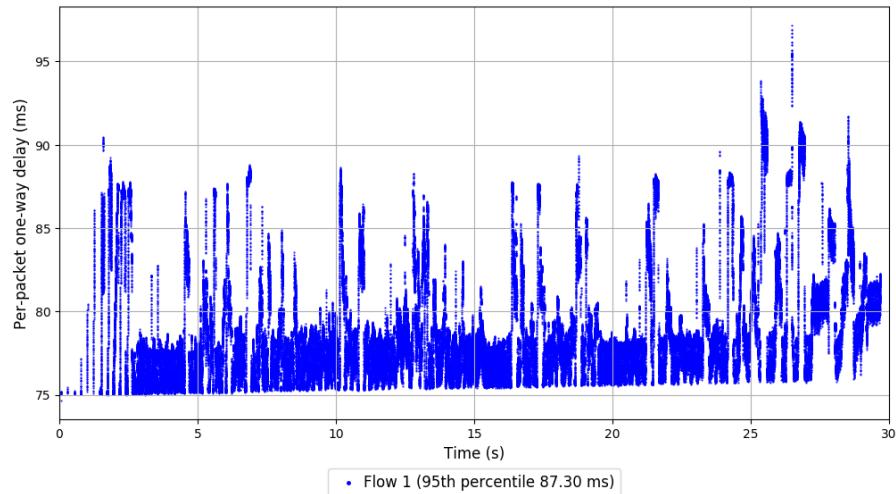
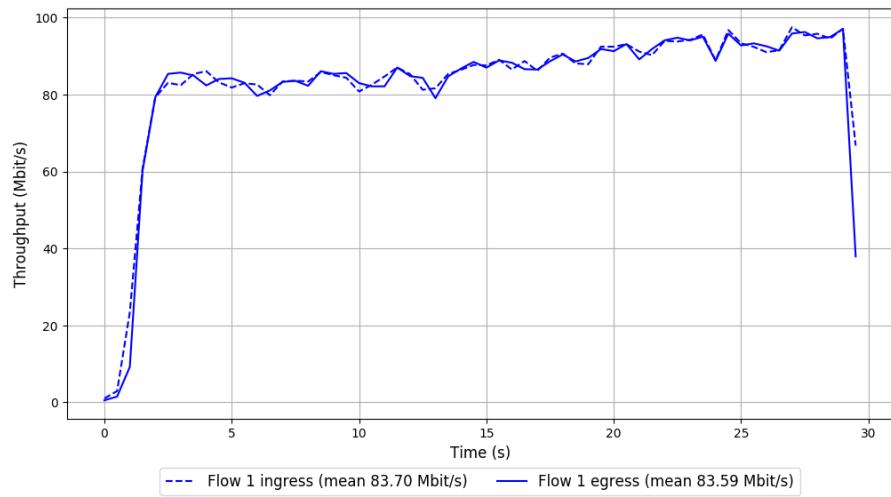


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-04-10 10:46:26
End at: 2018-04-10 10:46:56
Local clock offset: 1.957 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-04-10 17:28:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 87.300 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 87.300 ms
Loss rate: 0.89%
```

Run 5: Report of Indigo-1-32 — Data Link

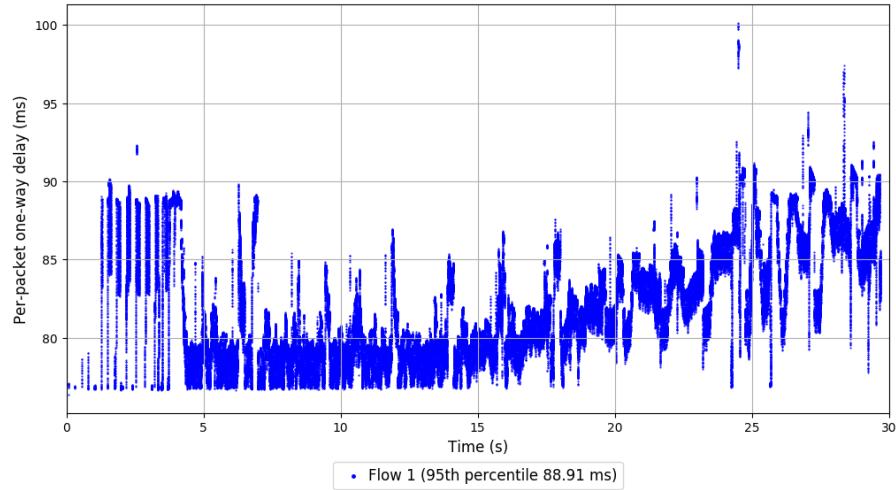
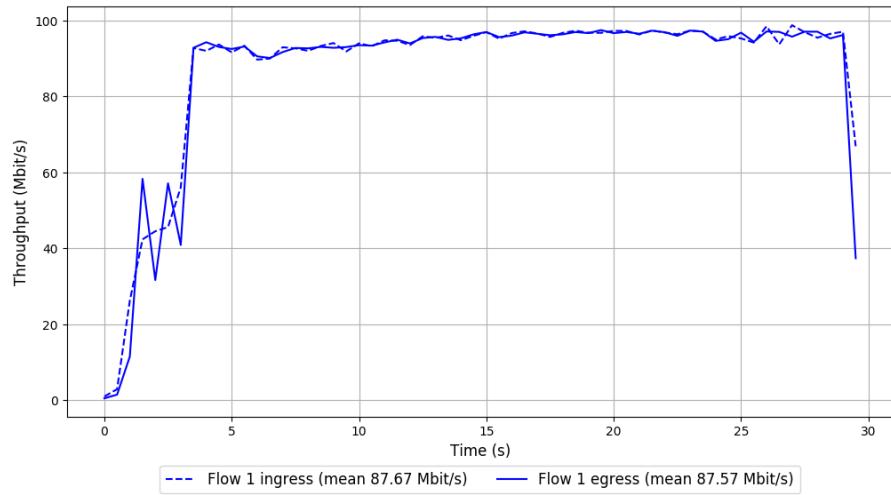


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-04-10 11:11:05
End at: 2018-04-10 11:11:35
Local clock offset: 1.795 ms
Remote clock offset: 21.308 ms

# Below is generated by plot.py at 2018-04-10 17:28:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 88.906 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 88.906 ms
Loss rate: 0.90%
```

Run 6: Report of Indigo-1-32 — Data Link

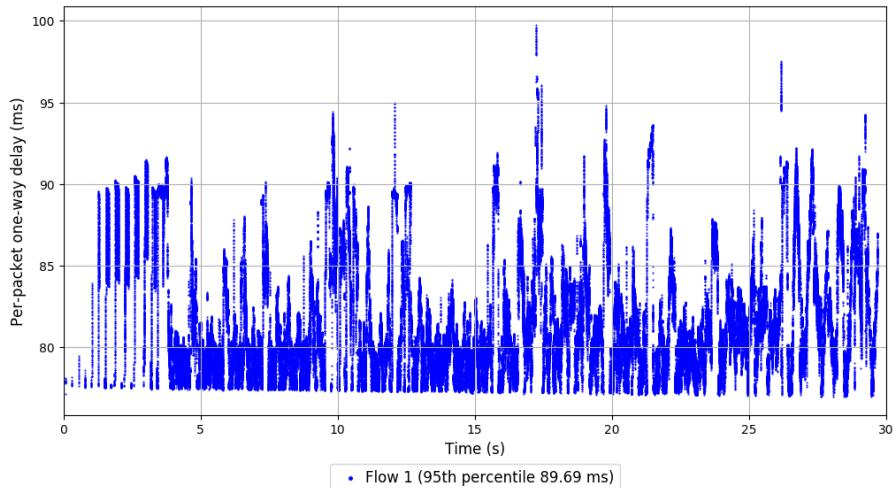
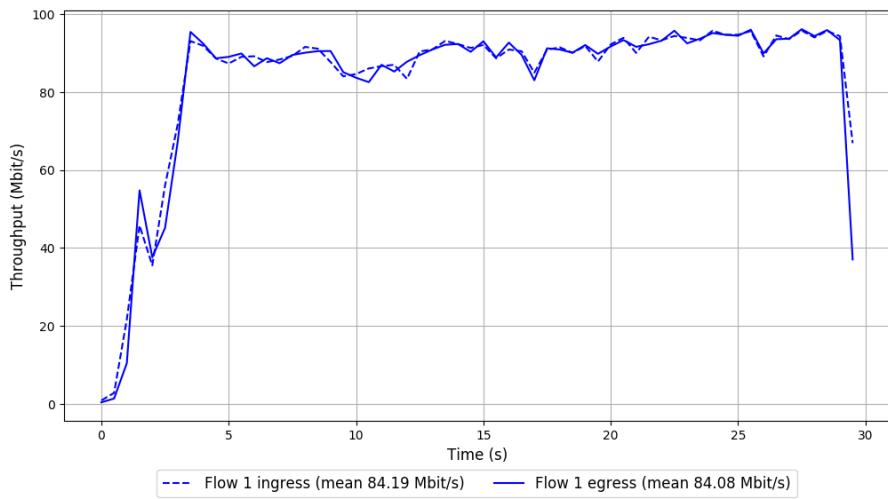


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-04-10 11:36:05
End at: 2018-04-10 11:36:35
Local clock offset: 27.292 ms
Remote clock offset: 0.53 ms

# Below is generated by plot.py at 2018-04-10 17:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 89.690 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 89.690 ms
Loss rate: 0.92%
```

Run 7: Report of Indigo-1-32 — Data Link

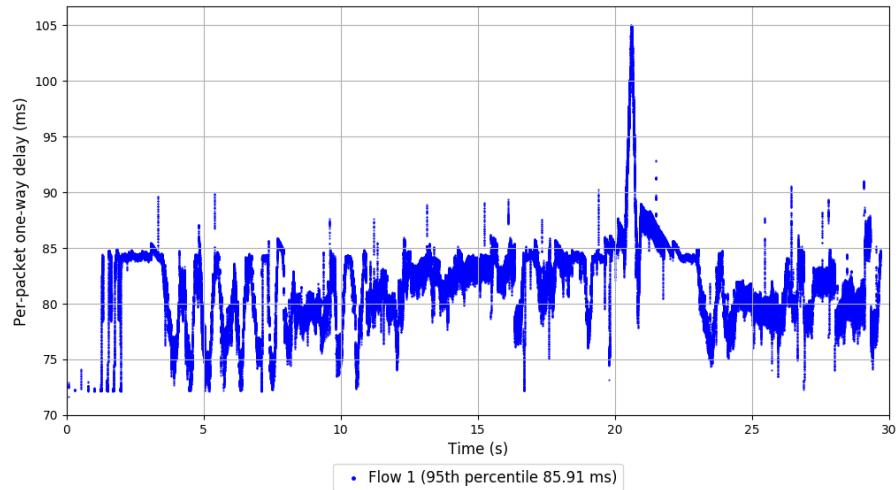
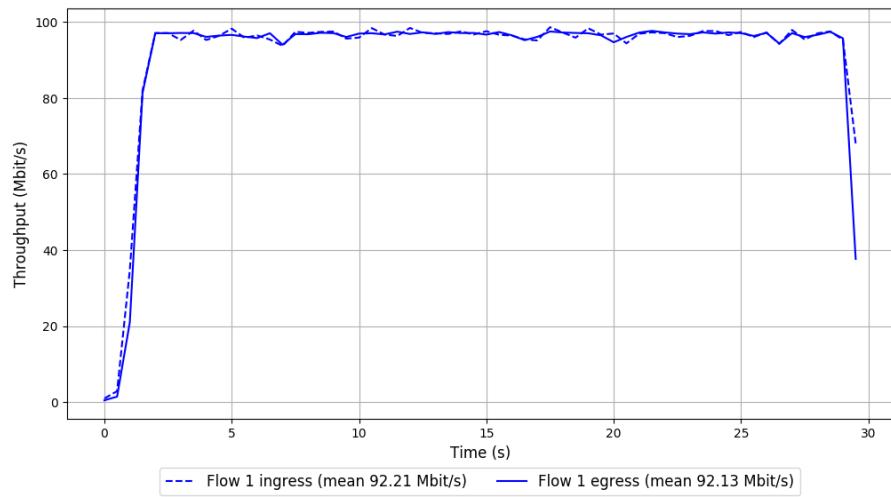


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-04-10 12:00:58
End at: 2018-04-10 12:01:28
Local clock offset: 42.133 ms
Remote clock offset: 4.073 ms

# Below is generated by plot.py at 2018-04-10 17:29:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 85.908 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 85.908 ms
Loss rate: 0.84%
```

Run 8: Report of Indigo-1-32 — Data Link

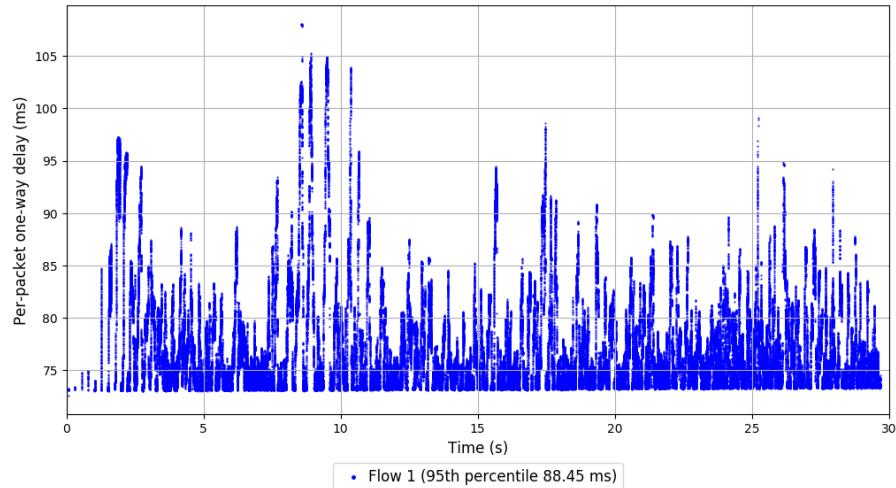
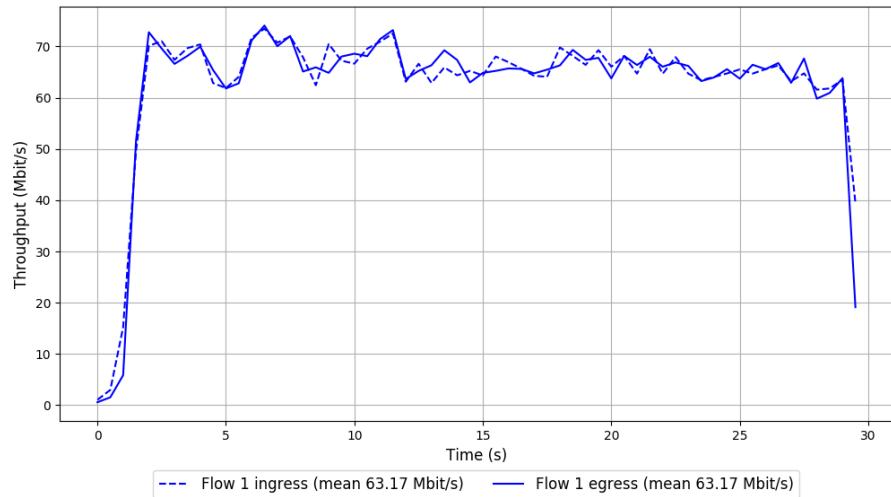


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-04-10 12:25:21
End at: 2018-04-10 12:25:51
Local clock offset: 52.893 ms
Remote clock offset: 7.857 ms

# Below is generated by plot.py at 2018-04-10 17:29:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.17 Mbit/s
95th percentile per-packet one-way delay: 88.450 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 63.17 Mbit/s
95th percentile per-packet one-way delay: 88.450 ms
Loss rate: 0.79%
```

Run 9: Report of Indigo-1-32 — Data Link

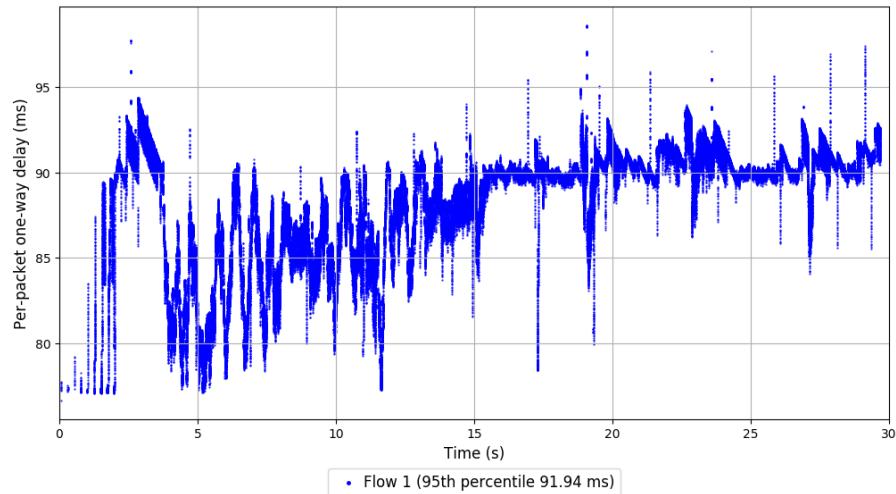
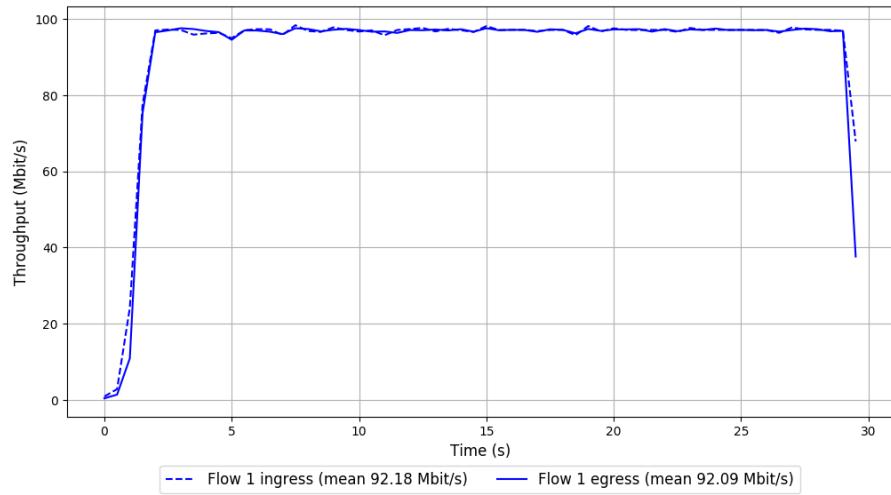


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-04-10 12:50:15
End at: 2018-04-10 12:50:45
Local clock offset: 27.726 ms
Remote clock offset: 18.731 ms

# Below is generated by plot.py at 2018-04-10 17:29:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 91.935 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 91.935 ms
Loss rate: 0.89%
```

Run 10: Report of Indigo-1-32 — Data Link

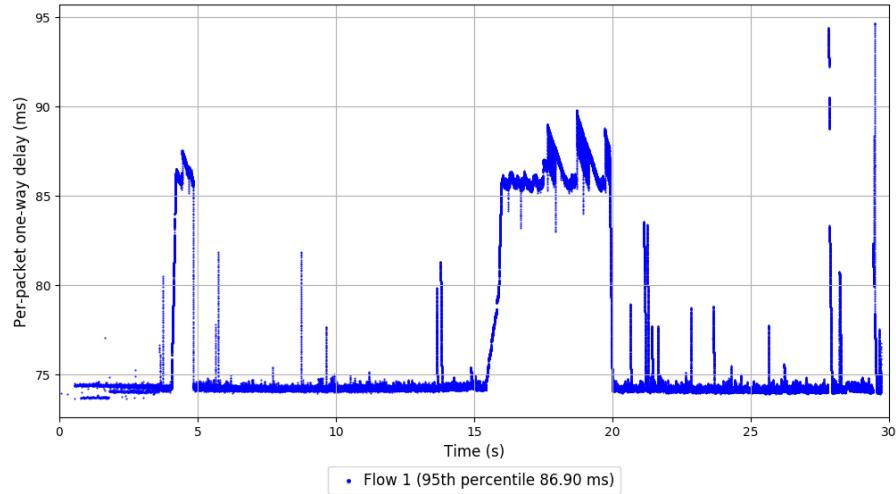
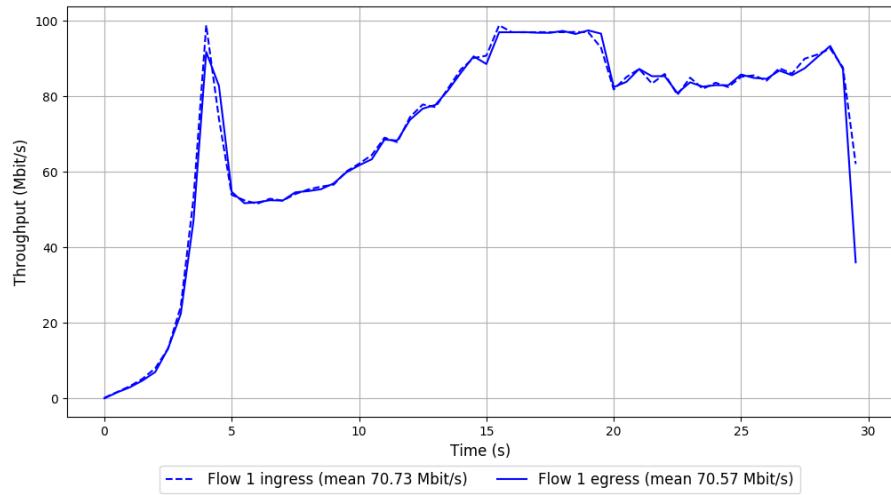


Run 1: Statistics of Vivace-latency

```
Start at: 2018-04-10 09:17:01
End at: 2018-04-10 09:17:31
Local clock offset: 2.473 ms
Remote clock offset: -1.687 ms

# Below is generated by plot.py at 2018-04-10 17:29:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 86.903 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 86.903 ms
Loss rate: 1.00%
```

Run 1: Report of Vivace-latency — Data Link

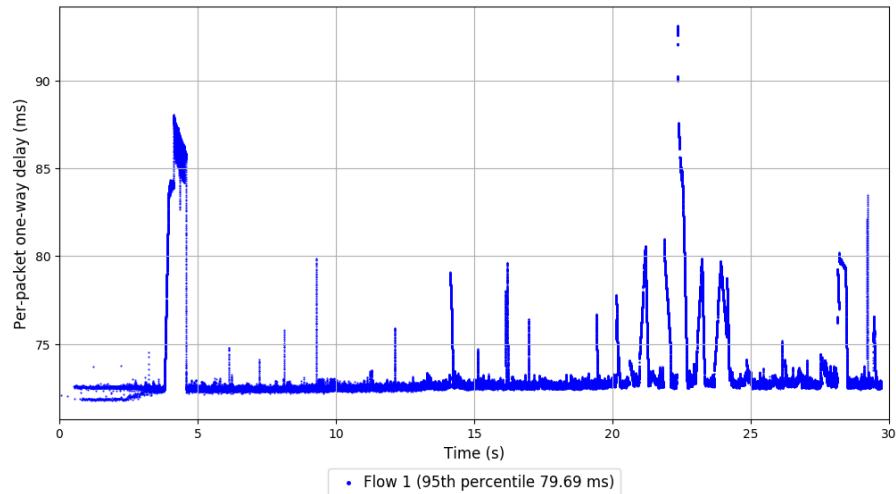
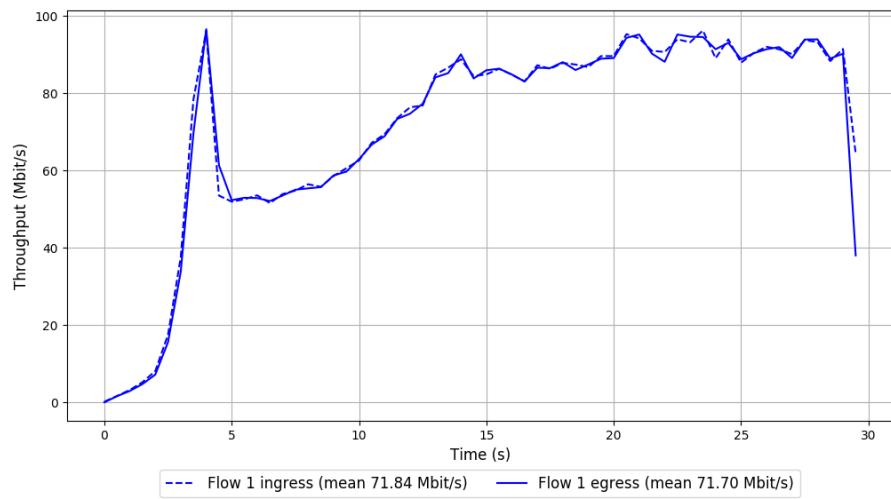


Run 2: Statistics of Vivace-latency

```
Start at: 2018-04-10 09:42:58
End at: 2018-04-10 09:43:28
Local clock offset: 1.937 ms
Remote clock offset: -5.268 ms

# Below is generated by plot.py at 2018-04-10 17:29:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 79.688 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 79.688 ms
Loss rate: 0.96%
```

Run 2: Report of Vivace-latency — Data Link

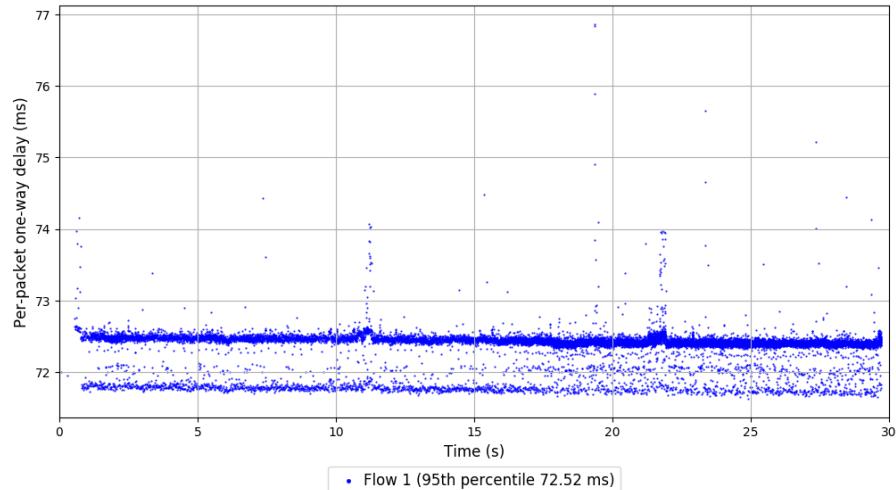
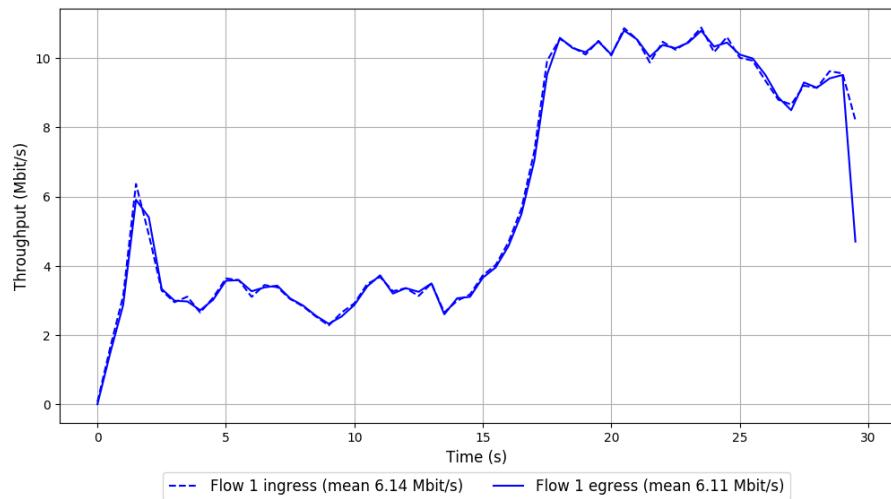


Run 3: Statistics of Vivace-latency

```
Start at: 2018-04-10 10:07:55
End at: 2018-04-10 10:08:25
Local clock offset: 1.213 ms
Remote clock offset: -8.633 ms

# Below is generated by plot.py at 2018-04-10 17:29:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 72.520 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 72.520 ms
Loss rate: 1.36%
```

Run 3: Report of Vivace-latency — Data Link

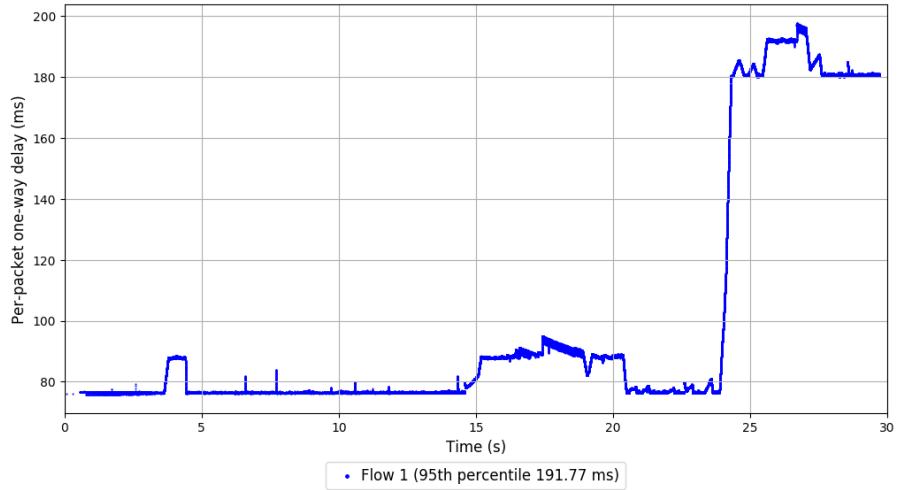
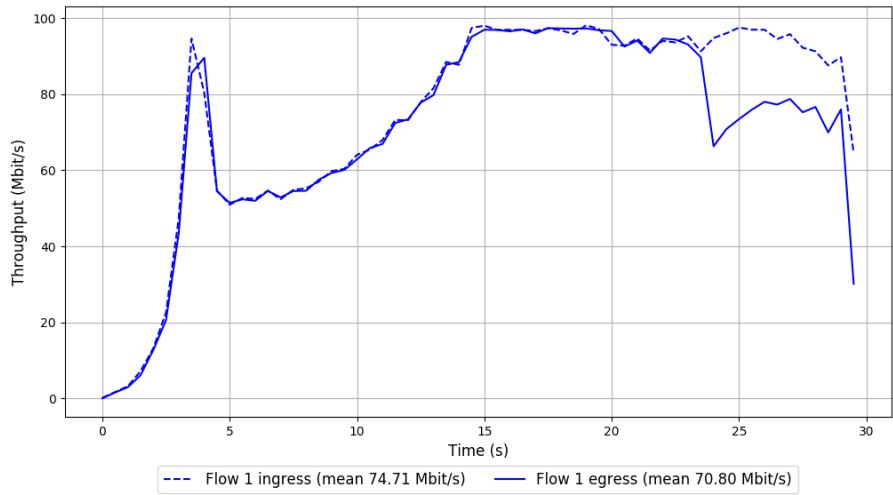


Run 4: Statistics of Vivace-latency

```
Start at: 2018-04-10 10:33:08
End at: 2018-04-10 10:33:38
Local clock offset: 1.907 ms
Remote clock offset: -13.298 ms

# Below is generated by plot.py at 2018-04-10 17:29:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.80 Mbit/s
95th percentile per-packet one-way delay: 191.771 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 70.80 Mbit/s
95th percentile per-packet one-way delay: 191.771 ms
Loss rate: 5.97%
```

Run 4: Report of Vivace-latency — Data Link

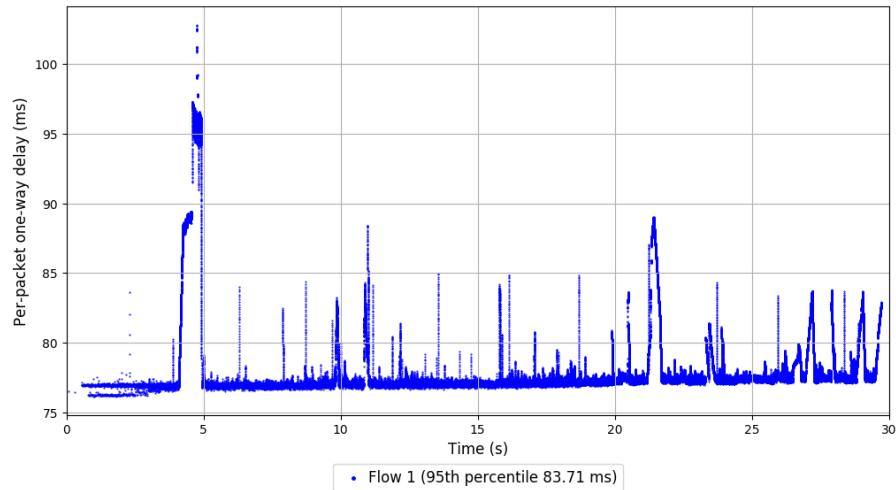
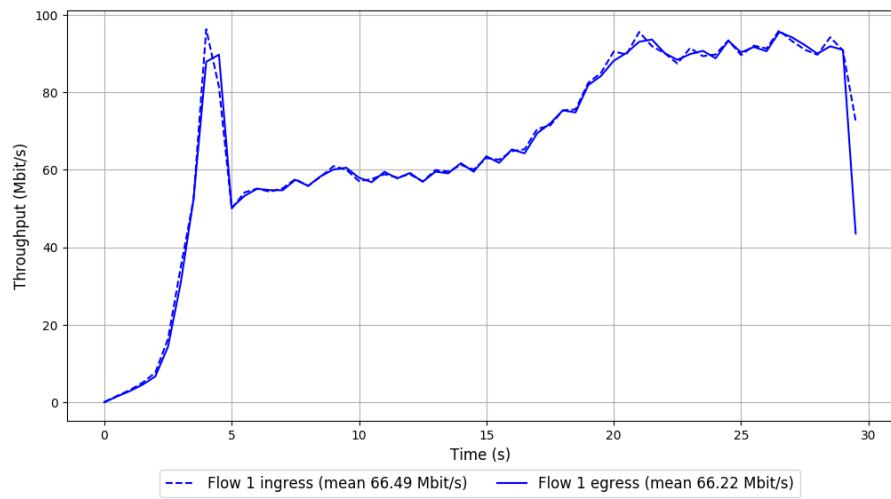


Run 5: Statistics of Vivace-latency

```
Start at: 2018-04-10 11:00:06
End at: 2018-04-10 11:00:36
Local clock offset: 2.019 ms
Remote clock offset: 15.805 ms

# Below is generated by plot.py at 2018-04-10 17:29:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.22 Mbit/s
95th percentile per-packet one-way delay: 83.709 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 66.22 Mbit/s
95th percentile per-packet one-way delay: 83.709 ms
Loss rate: 1.16%
```

Run 5: Report of Vivace-latency — Data Link

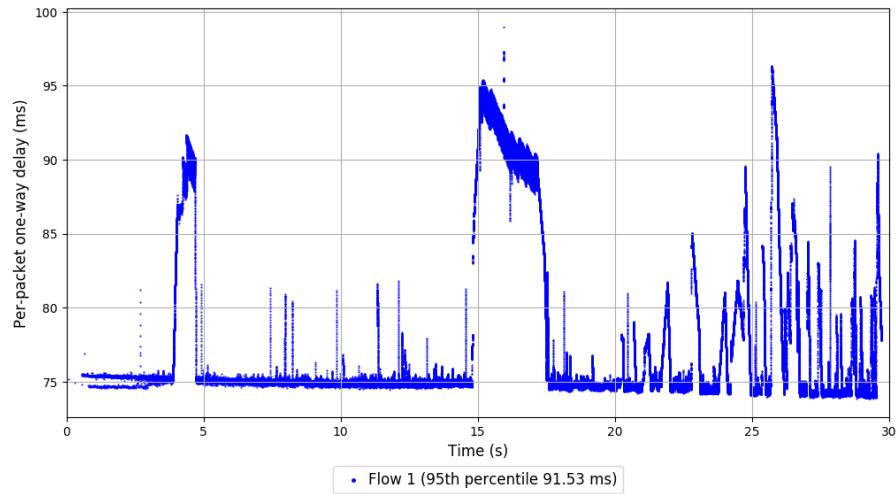
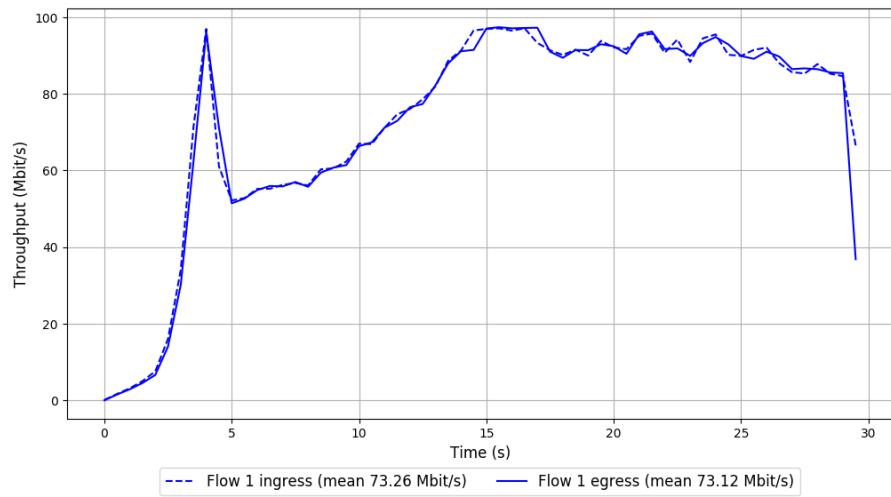


Run 6: Statistics of Vivace-latency

```
Start at: 2018-04-10 11:25:26
End at: 2018-04-10 11:25:56
Local clock offset: 12.373 ms
Remote clock offset: 6.408 ms

# Below is generated by plot.py at 2018-04-10 17:30:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.12 Mbit/s
95th percentile per-packet one-way delay: 91.529 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 73.12 Mbit/s
95th percentile per-packet one-way delay: 91.529 ms
Loss rate: 0.97%
```

Run 6: Report of Vivace-latency — Data Link

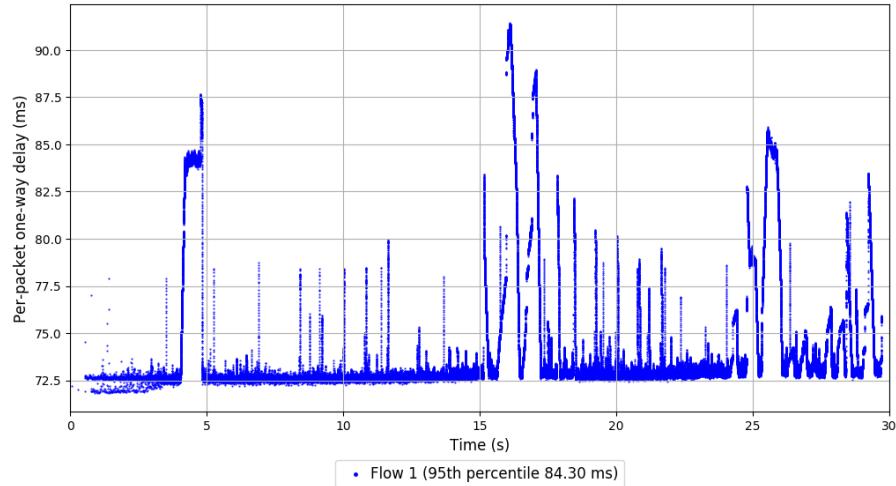
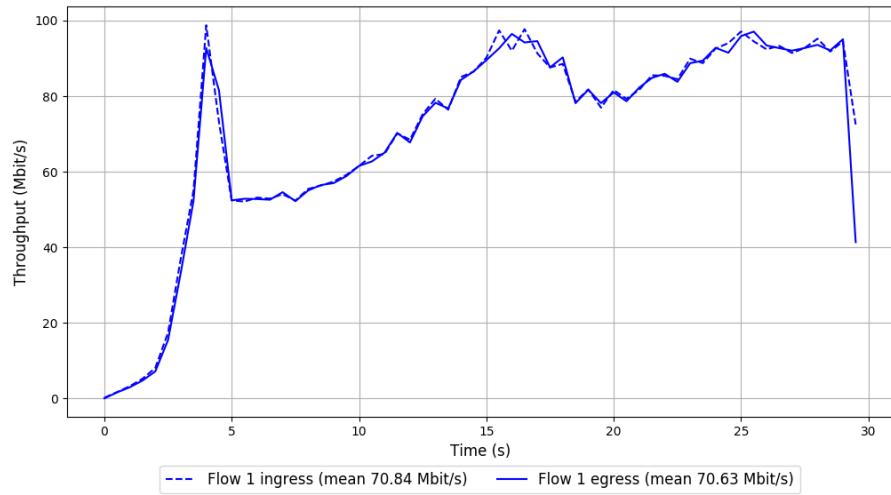


Run 7: Statistics of Vivace-latency

```
Start at: 2018-04-10 11:50:13
End at: 2018-04-10 11:50:44
Local clock offset: 37.076 ms
Remote clock offset: -1.583 ms

# Below is generated by plot.py at 2018-04-10 17:30:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 84.301 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 84.301 ms
Loss rate: 1.06%
```

Run 7: Report of Vivace-latency — Data Link

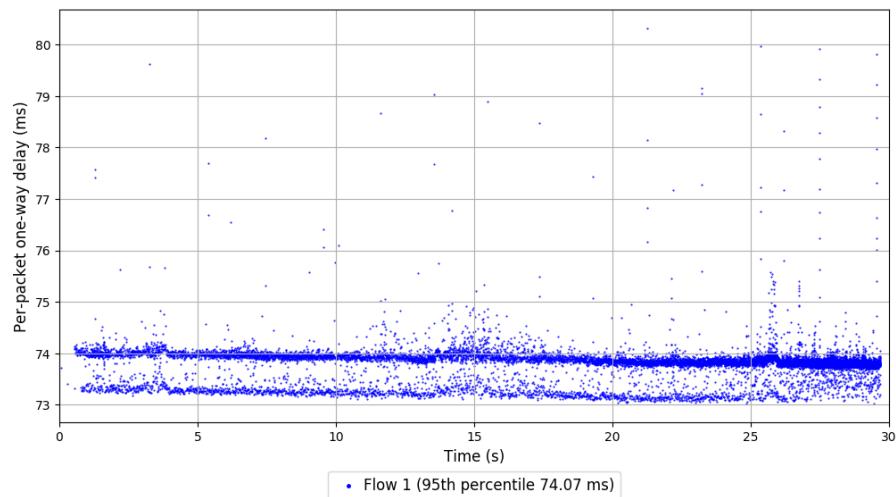
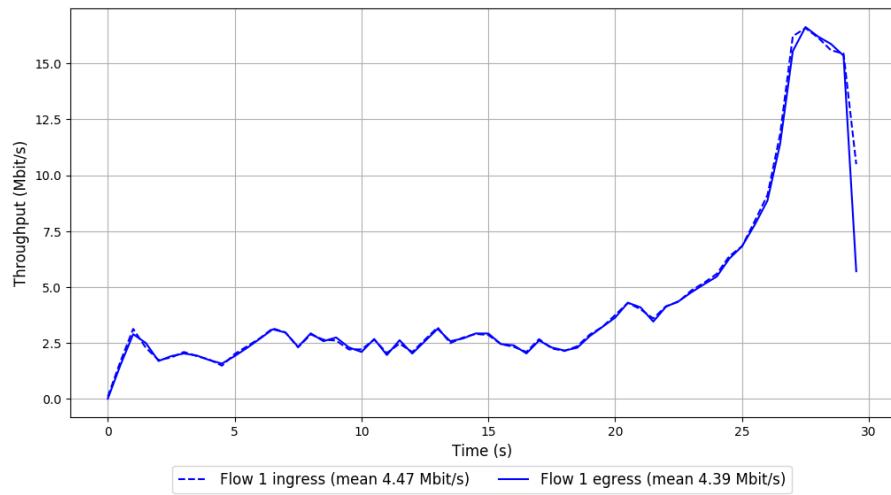


Run 8: Statistics of Vivace-latency

```
Start at: 2018-04-10 12:14:48
End at: 2018-04-10 12:15:18
Local clock offset: 48.156 ms
Remote clock offset: 5.61 ms

# Below is generated by plot.py at 2018-04-10 17:30:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 74.072 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 74.072 ms
Loss rate: 2.64%
```

Run 8: Report of Vivace-latency — Data Link

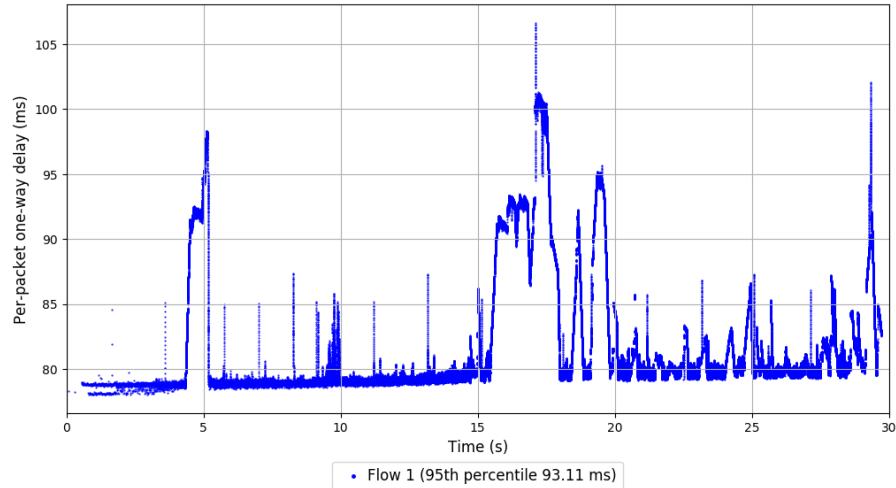
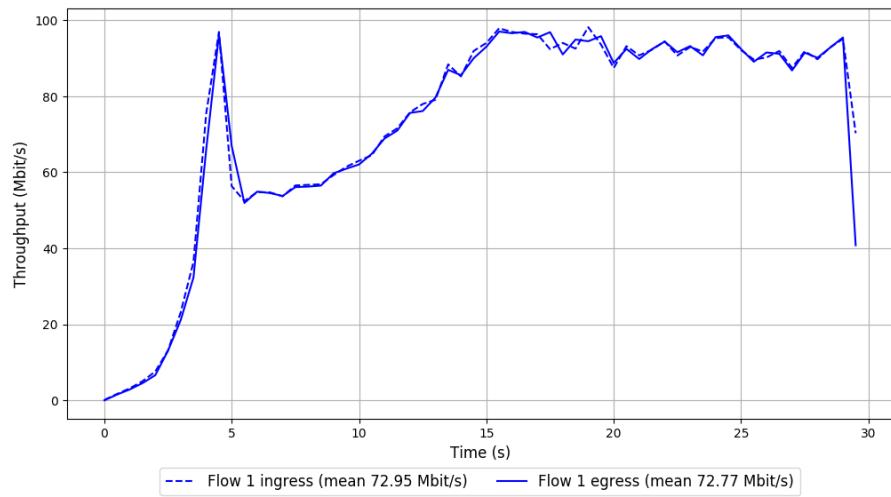


Run 9: Statistics of Vivace-latency

```
Start at: 2018-04-10 12:39:25
End at: 2018-04-10 12:39:55
Local clock offset: 34.91 ms
Remote clock offset: 15.869 ms

# Below is generated by plot.py at 2018-04-10 17:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.77 Mbit/s
95th percentile per-packet one-way delay: 93.114 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 72.77 Mbit/s
95th percentile per-packet one-way delay: 93.114 ms
Loss rate: 1.03%
```

Run 9: Report of Vivace-latency — Data Link

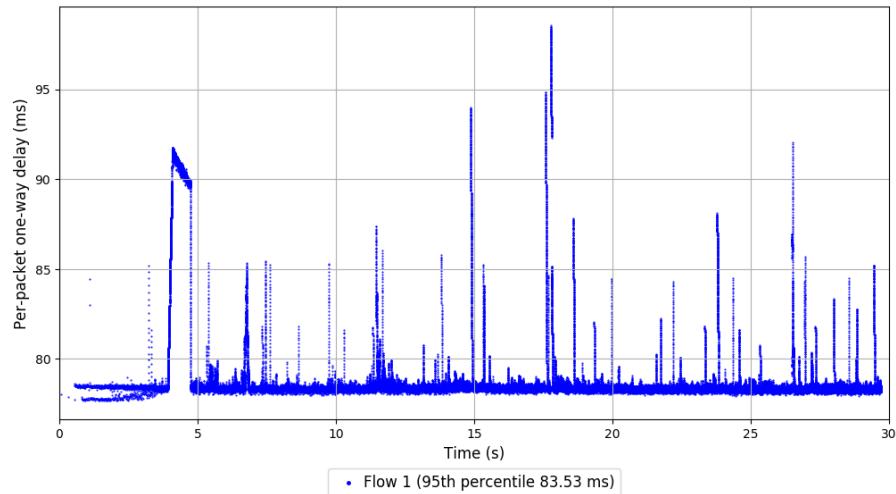
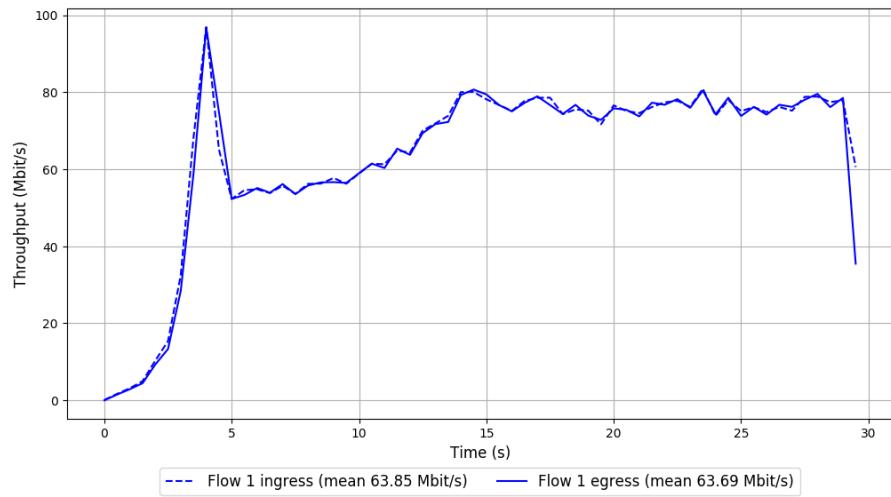


Run 10: Statistics of Vivace-latency

```
Start at: 2018-04-10 13:04:19
End at: 2018-04-10 13:04:49
Local clock offset: 24.262 ms
Remote clock offset: 9.496 ms

# Below is generated by plot.py at 2018-04-10 17:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.69 Mbit/s
95th percentile per-packet one-way delay: 83.529 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 63.69 Mbit/s
95th percentile per-packet one-way delay: 83.529 ms
Loss rate: 1.02%
```

Run 10: Report of Vivace-latency — Data Link

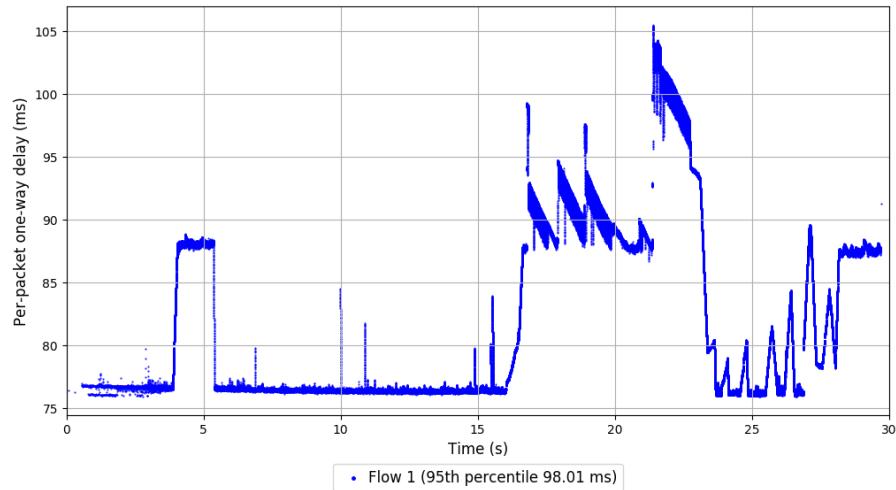
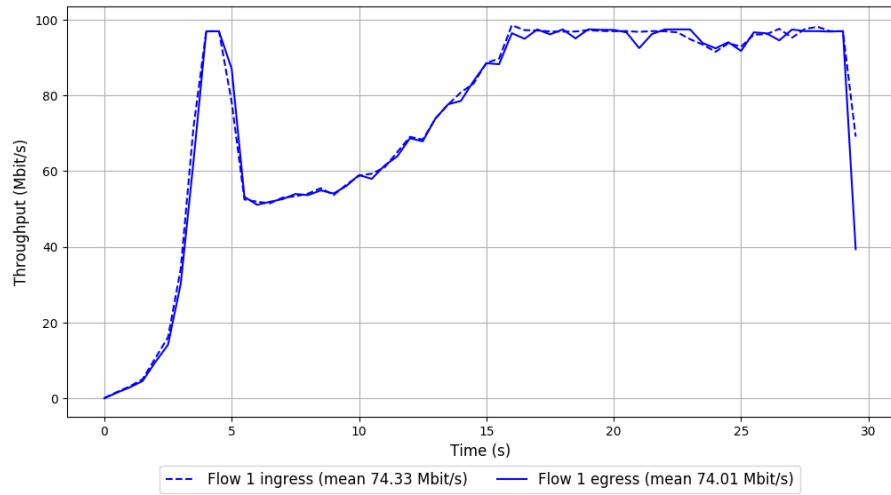


Run 1: Statistics of Vivace-loss

```
Start at: 2018-04-10 09:06:03
End at: 2018-04-10 09:06:33
Local clock offset: 2.116 ms
Remote clock offset: 9.959 ms

# Below is generated by plot.py at 2018-04-10 17:30:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.01 Mbit/s
95th percentile per-packet one-way delay: 98.011 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 74.01 Mbit/s
95th percentile per-packet one-way delay: 98.011 ms
Loss rate: 1.18%
```

Run 1: Report of Vivace-loss — Data Link

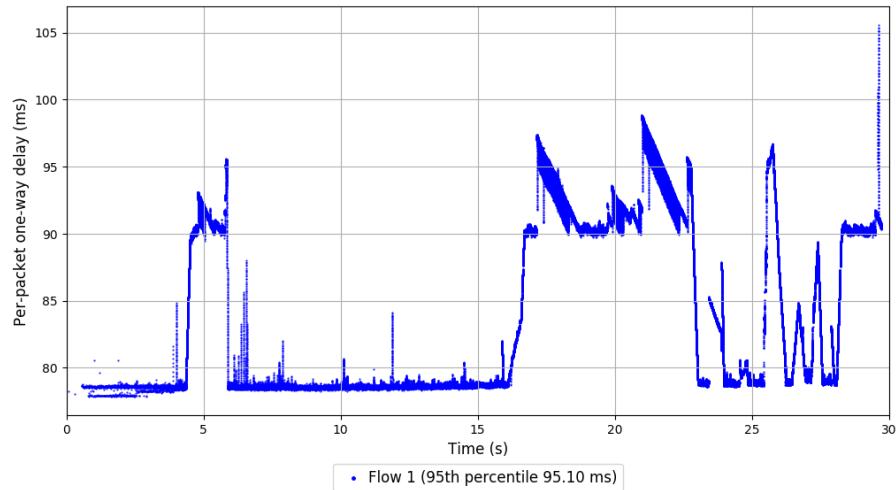
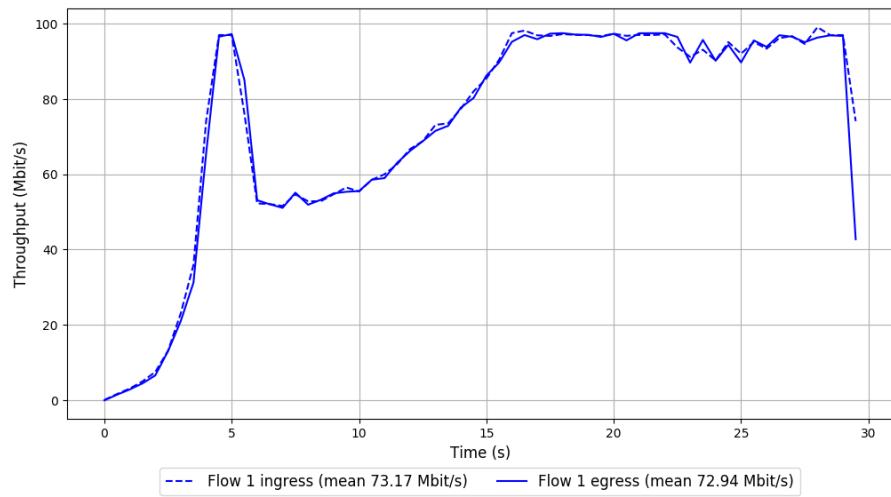


Run 2: Statistics of Vivace-loss

```
Start at: 2018-04-10 09:32:02
End at: 2018-04-10 09:32:32
Local clock offset: 2.406 ms
Remote clock offset: -6.841 ms

# Below is generated by plot.py at 2018-04-10 17:30:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.94 Mbit/s
95th percentile per-packet one-way delay: 95.103 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 72.94 Mbit/s
95th percentile per-packet one-way delay: 95.103 ms
Loss rate: 1.13%
```

Run 2: Report of Vivace-loss — Data Link

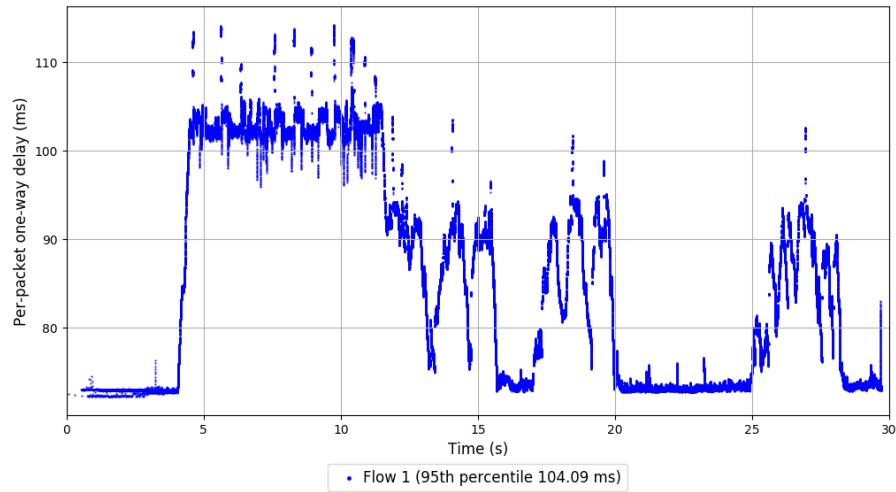
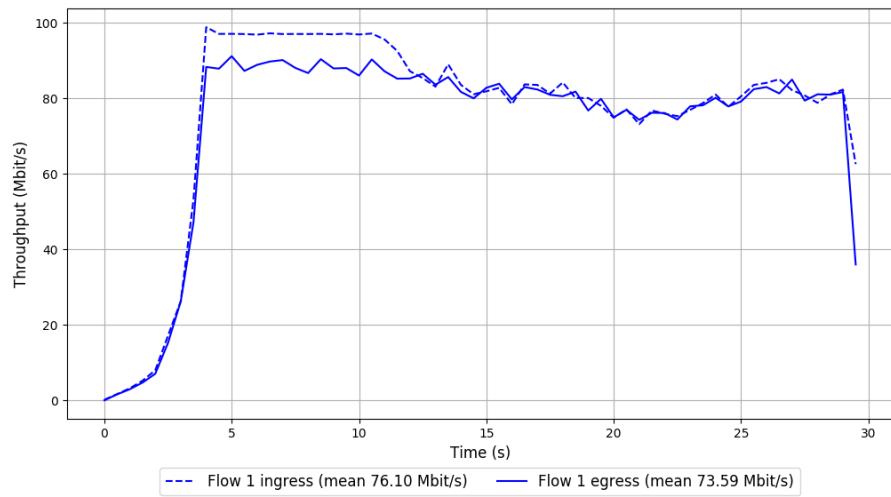


Run 3: Statistics of Vivace-loss

```
Start at: 2018-04-10 09:56:23
End at: 2018-04-10 09:56:53
Local clock offset: 1.374 ms
Remote clock offset: -6.591 ms

# Below is generated by plot.py at 2018-04-10 17:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 104.094 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 104.094 ms
Loss rate: 4.08%
```

Run 3: Report of Vivace-loss — Data Link

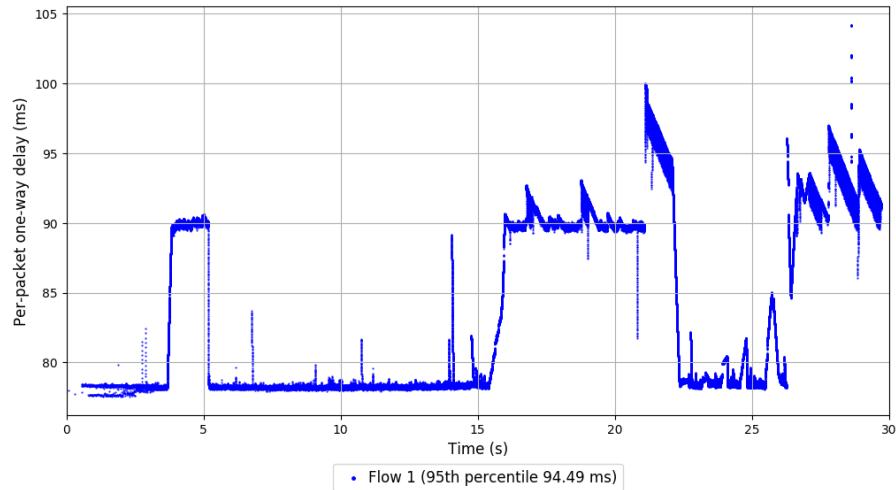
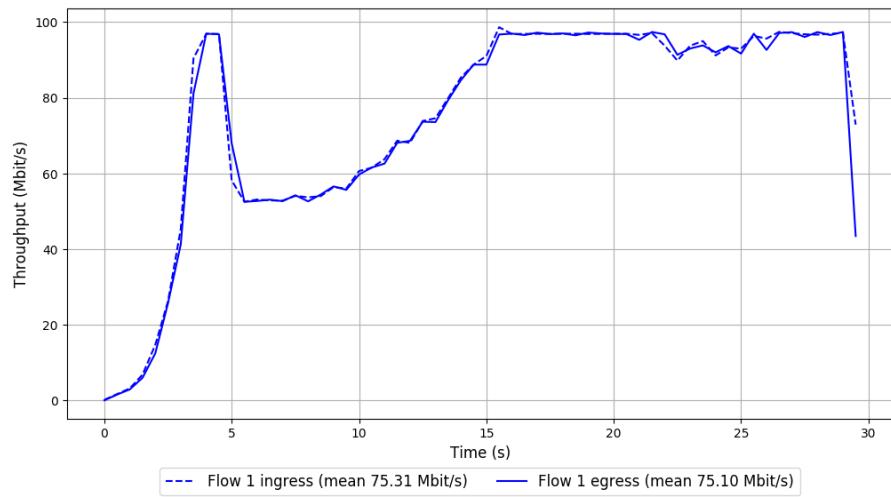


Run 4: Statistics of Vivace-loss

```
Start at: 2018-04-10 10:22:08
End at: 2018-04-10 10:22:38
Local clock offset: 1.627 ms
Remote clock offset: -11.24 ms

# Below is generated by plot.py at 2018-04-10 17:30:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.10 Mbit/s
95th percentile per-packet one-way delay: 94.493 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 75.10 Mbit/s
95th percentile per-packet one-way delay: 94.493 ms
Loss rate: 1.07%
```

Run 4: Report of Vivace-loss — Data Link

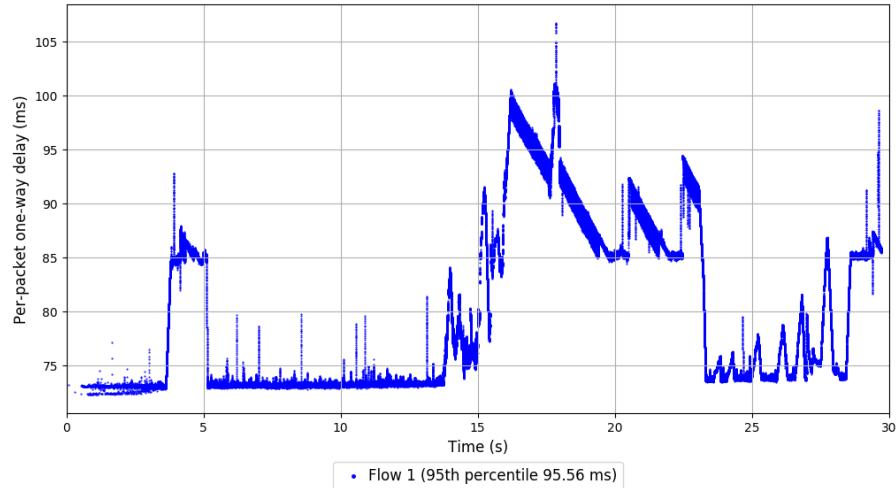
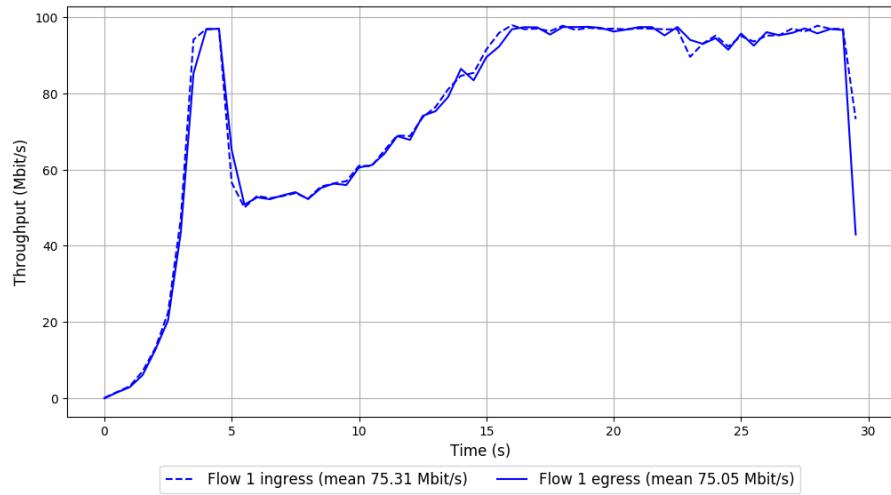


Run 5: Statistics of Vivace-loss

```
Start at: 2018-04-10 10:49:07
End at: 2018-04-10 10:49:37
Local clock offset: 1.892 ms
Remote clock offset: 4.857 ms

# Below is generated by plot.py at 2018-04-10 17:31:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.05 Mbit/s
95th percentile per-packet one-way delay: 95.558 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 75.05 Mbit/s
95th percentile per-packet one-way delay: 95.558 ms
Loss rate: 1.12%
```

Run 5: Report of Vivace-loss — Data Link

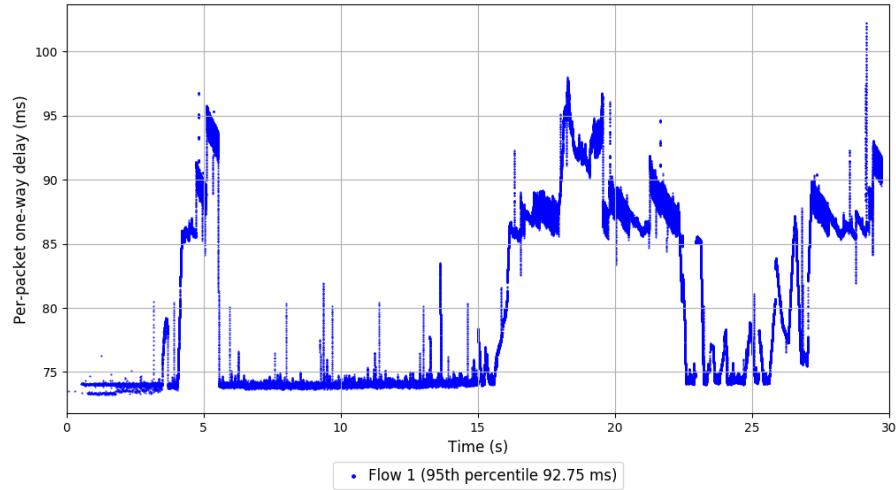
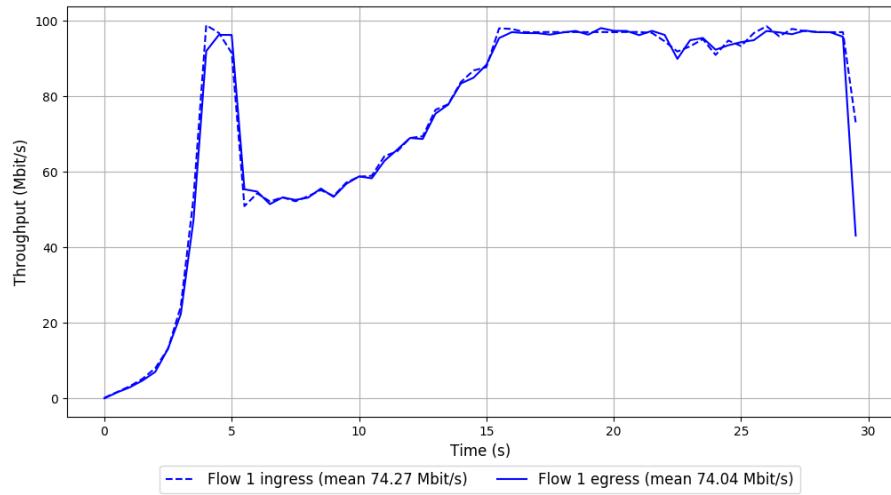


Run 6: Statistics of Vivace-loss

```
Start at: 2018-04-10 11:13:53
End at: 2018-04-10 11:14:23
Local clock offset: 2.017 ms
Remote clock offset: 22.358 ms

# Below is generated by plot.py at 2018-04-10 17:31:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 92.746 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 92.746 ms
Loss rate: 1.10%
```

Run 6: Report of Vivace-loss — Data Link

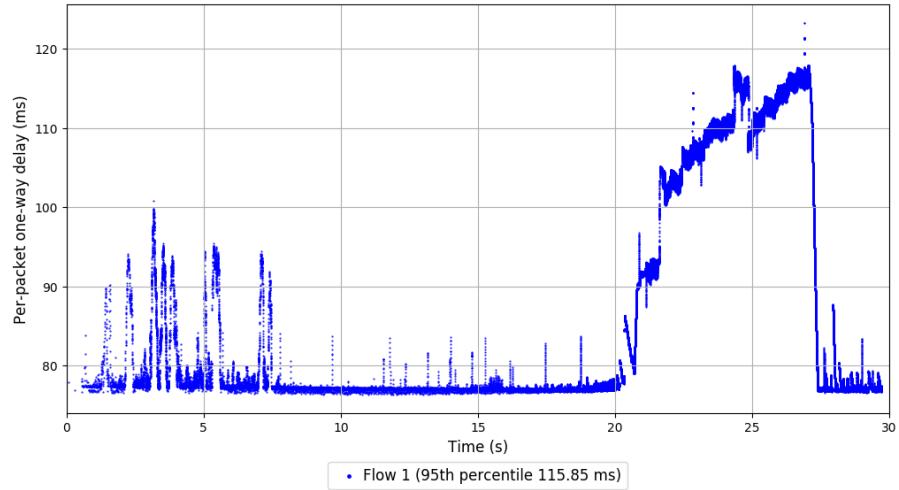
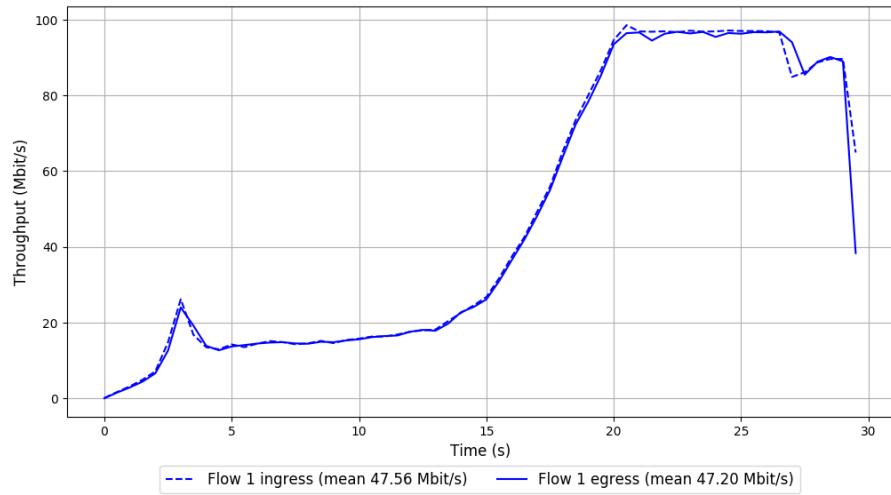


Run 7: Statistics of Vivace-loss

```
Start at: 2018-04-10 11:38:50
End at: 2018-04-10 11:39:20
Local clock offset: 29.687 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-04-10 17:31:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 115.854 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 115.854 ms
Loss rate: 1.56%
```

Run 7: Report of Vivace-loss — Data Link

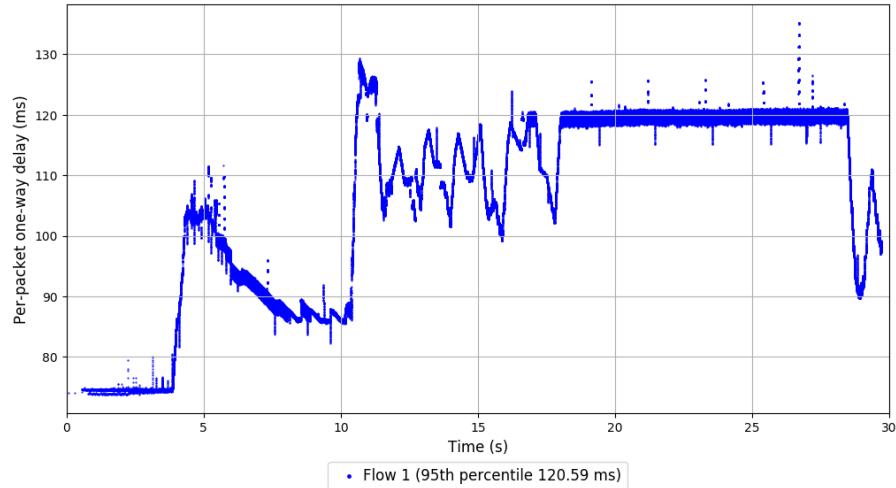
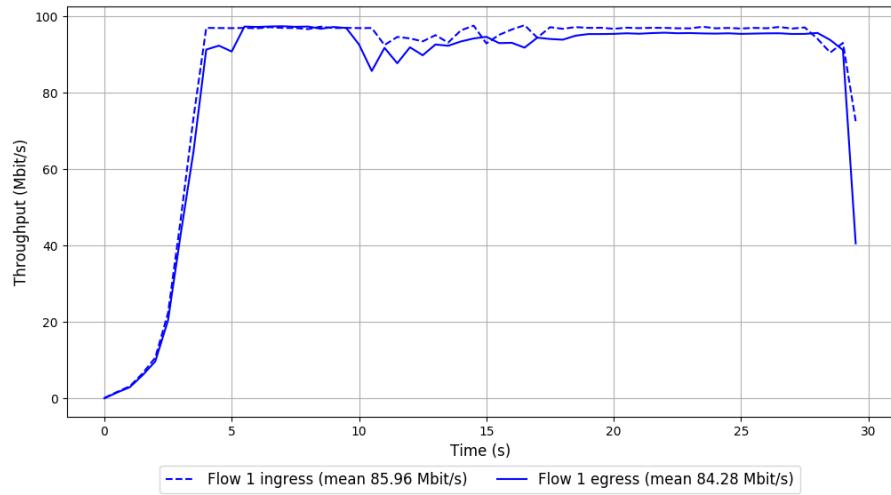


Run 8: Statistics of Vivace-loss

```
Start at: 2018-04-10 12:03:42
End at: 2018-04-10 12:04:12
Local clock offset: 43.49 ms
Remote clock offset: 4.603 ms

# Below is generated by plot.py at 2018-04-10 17:31:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.28 Mbit/s
95th percentile per-packet one-way delay: 120.589 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 84.28 Mbit/s
95th percentile per-packet one-way delay: 120.589 ms
Loss rate: 2.78%
```

Run 8: Report of Vivace-loss — Data Link

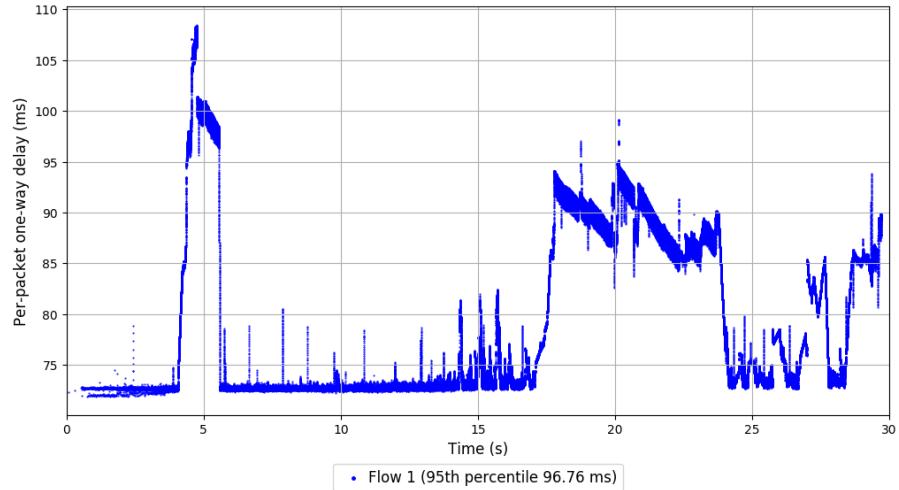
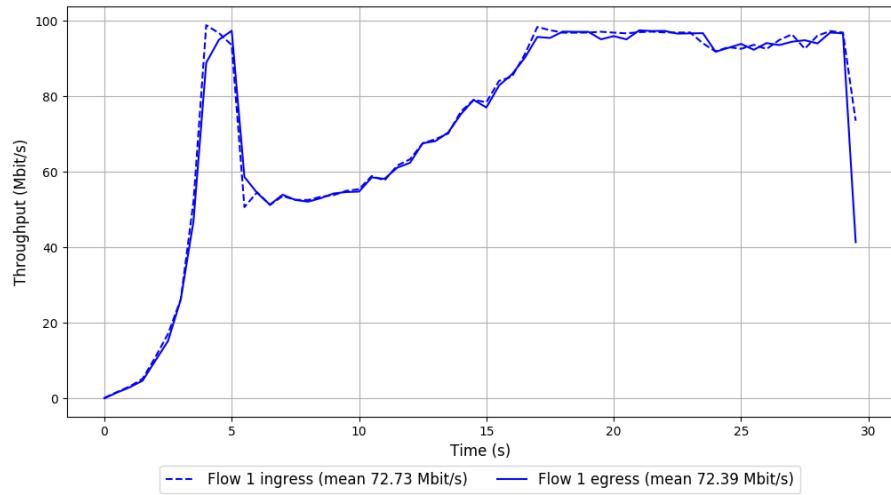


Run 9: Statistics of Vivace-loss

```
Start at: 2018-04-10 12:28:09
End at: 2018-04-10 12:28:39
Local clock offset: 53.988 ms
Remote clock offset: 10.451 ms

# Below is generated by plot.py at 2018-04-10 17:31:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 96.764 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 96.764 ms
Loss rate: 1.27%
```

Run 9: Report of Vivace-loss — Data Link

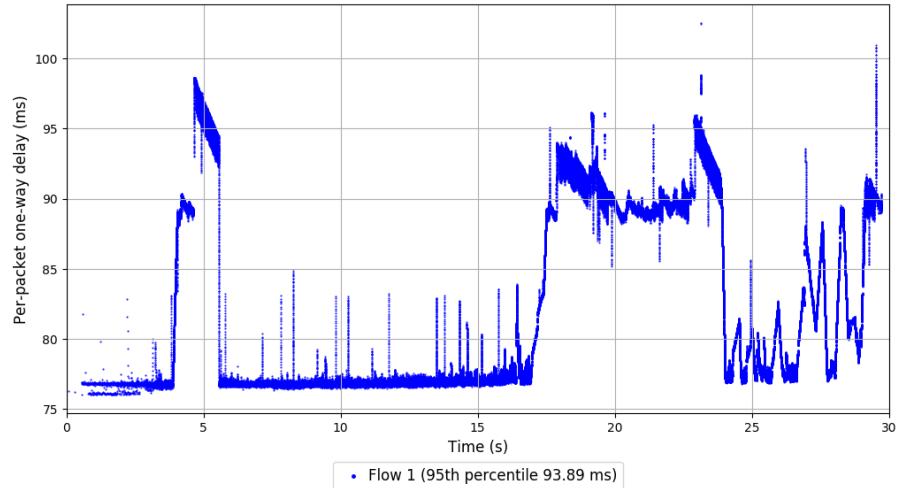
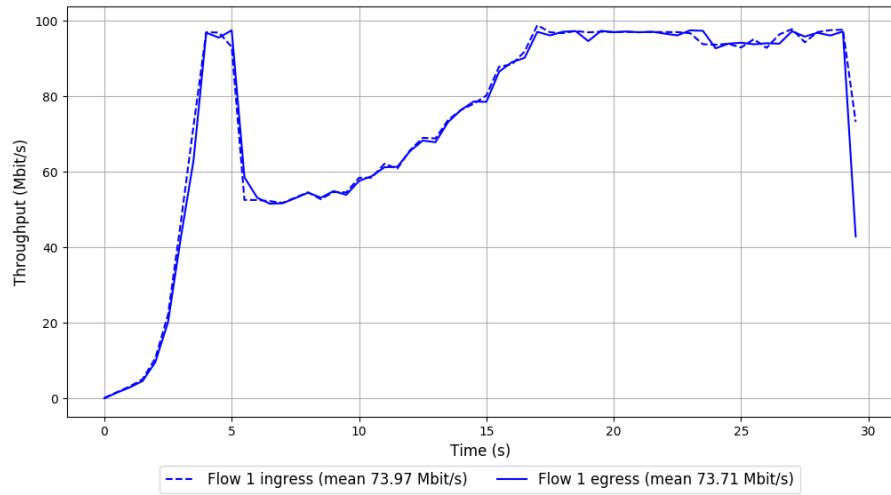


Run 10: Statistics of Vivace-loss

```
Start at: 2018-04-10 12:53:15
End at: 2018-04-10 12:53:45
Local clock offset: 26.612 ms
Remote clock offset: 19.353 ms

# Below is generated by plot.py at 2018-04-10 17:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 93.895 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 93.895 ms
Loss rate: 1.14%
```

Run 10: Report of Vivace-loss — Data Link

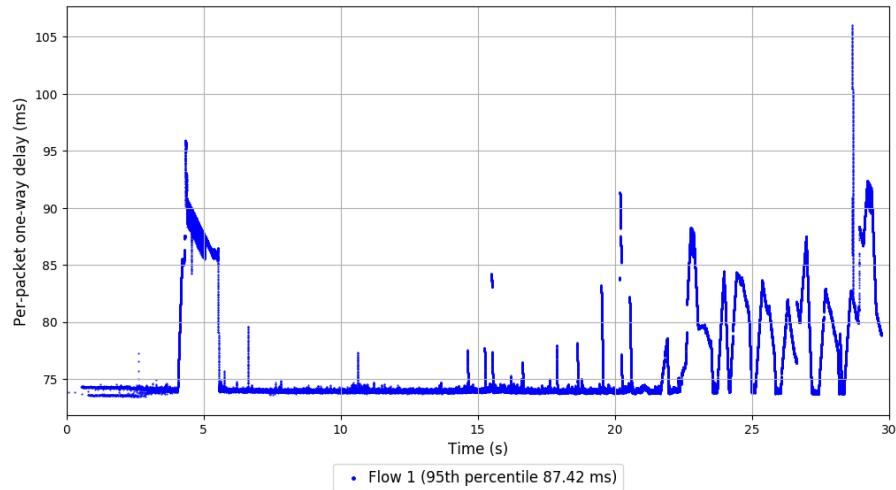
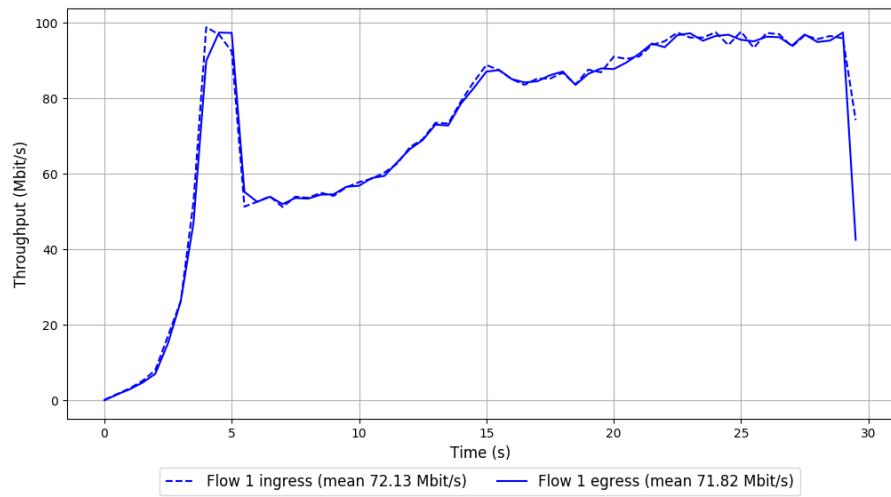


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-04-10 09:11:28
End at: 2018-04-10 09:11:58
Local clock offset: 2.438 ms
Remote clock offset: 2.81 ms

# Below is generated by plot.py at 2018-04-10 17:31:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 87.424 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 87.424 ms
Loss rate: 1.21%
```

Run 1: Report of Vivace-LTE — Data Link

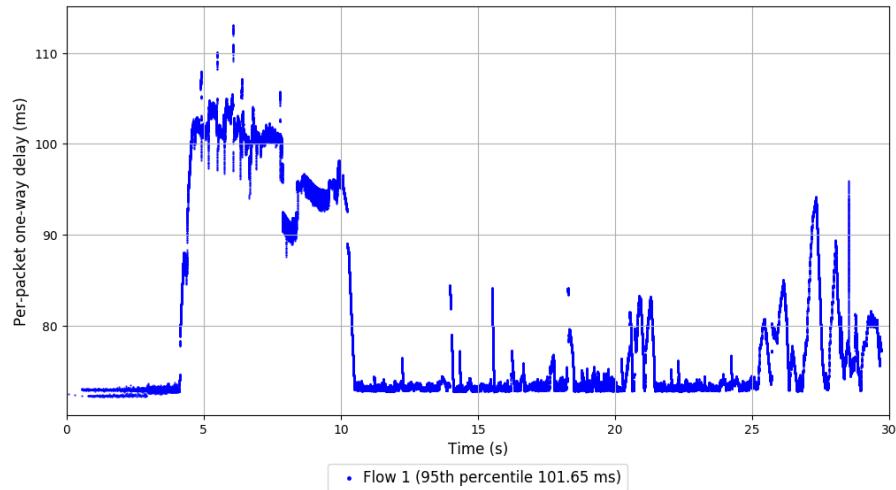
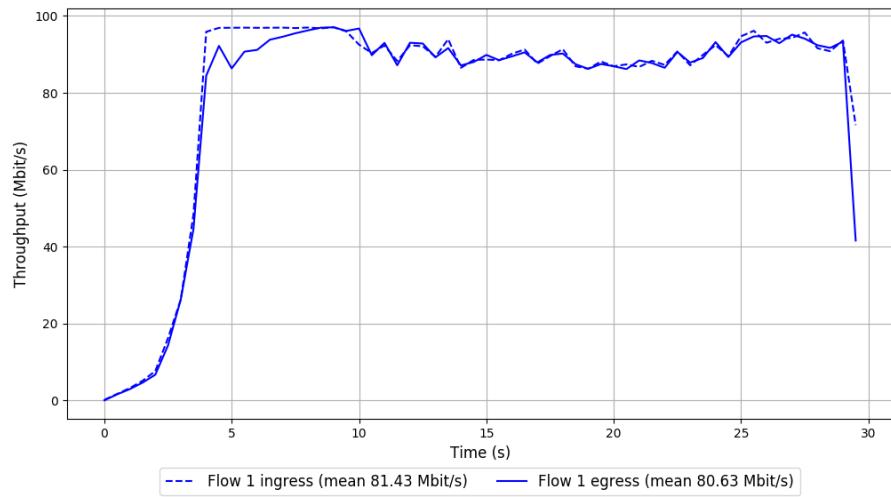


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-04-10 09:37:26
End at: 2018-04-10 09:37:56
Local clock offset: 2.53 ms
Remote clock offset: -5.473 ms

# Below is generated by plot.py at 2018-04-10 17:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.63 Mbit/s
95th percentile per-packet one-way delay: 101.652 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 80.63 Mbit/s
95th percentile per-packet one-way delay: 101.652 ms
Loss rate: 1.74%
```

Run 2: Report of Vivace-LTE — Data Link

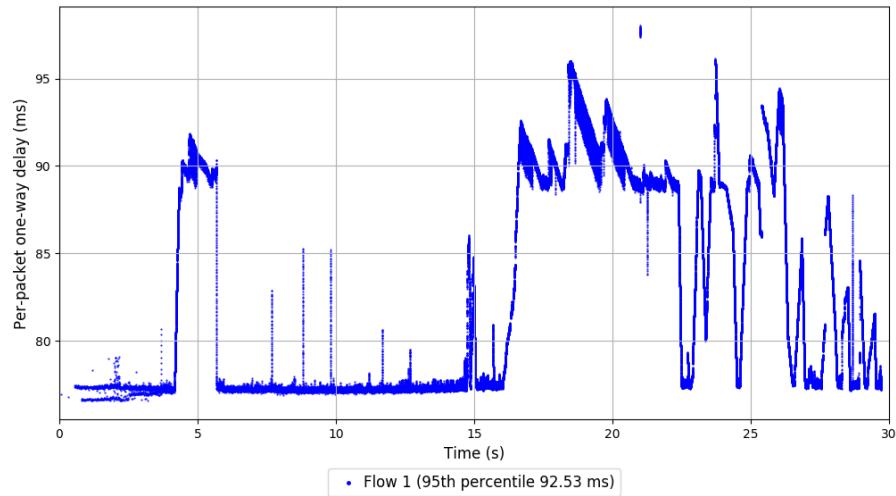
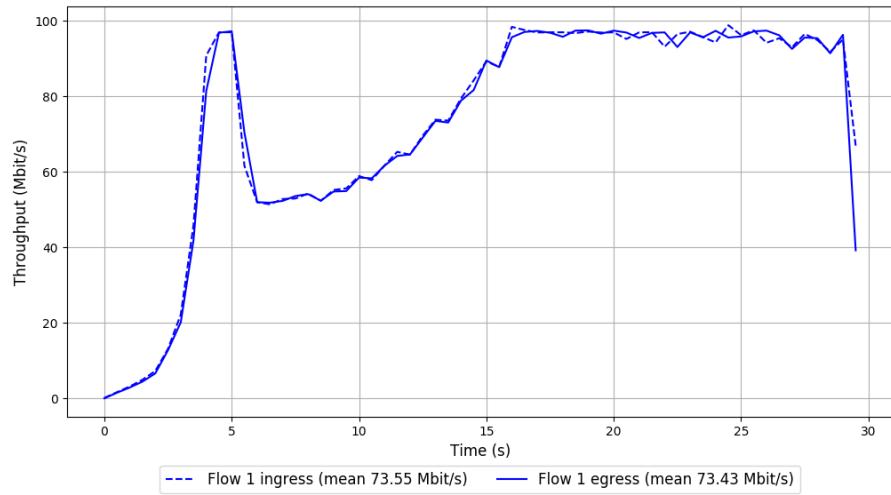


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-04-10 10:01:47
End at: 2018-04-10 10:02:17
Local clock offset: 1.222 ms
Remote clock offset: -7.625 ms

# Below is generated by plot.py at 2018-04-10 17:32:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 92.534 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 92.534 ms
Loss rate: 0.95%
```

Run 3: Report of Vivace-LTE — Data Link

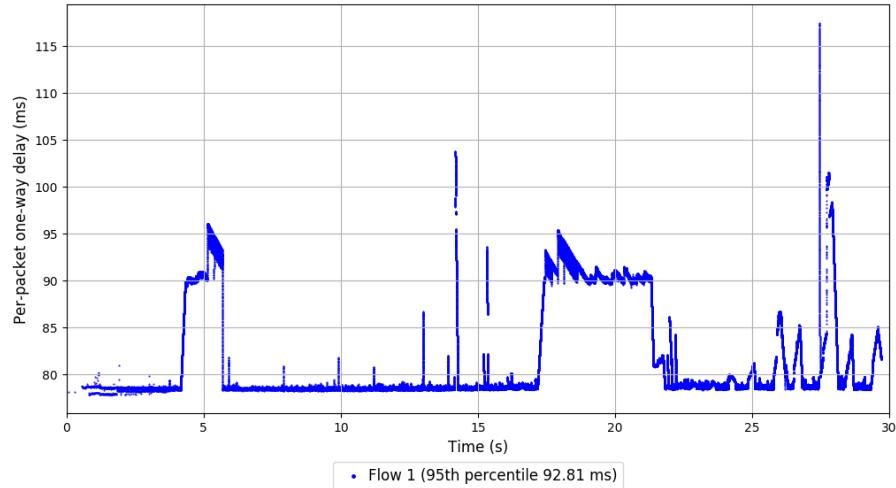
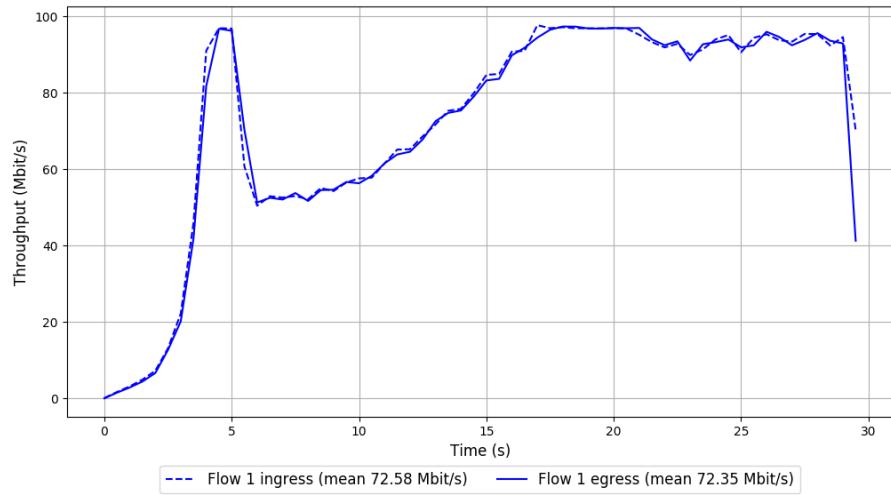


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-04-10 10:27:36
End at: 2018-04-10 10:28:06
Local clock offset: 1.905 ms
Remote clock offset: -12.343 ms

# Below is generated by plot.py at 2018-04-10 17:32:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 92.808 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 92.808 ms
Loss rate: 1.11%
```

Run 4: Report of Vivace-LTE — Data Link

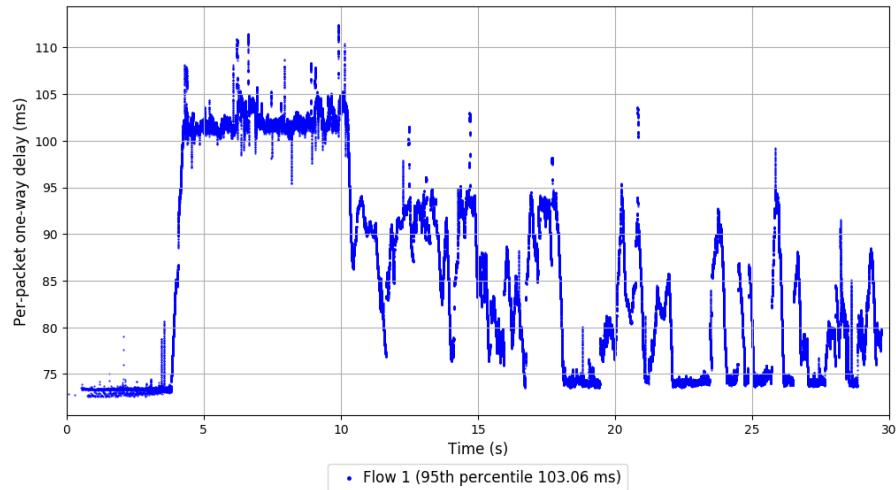
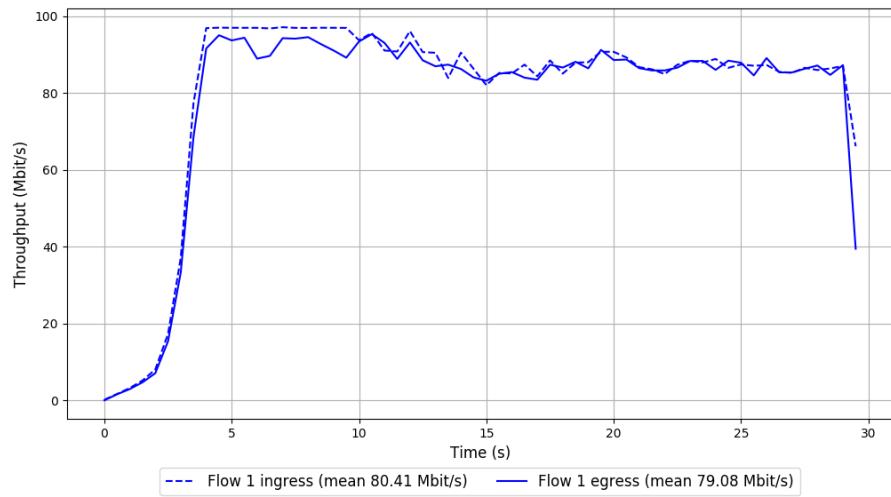


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-04-10 10:54:31
End at: 2018-04-10 10:55:01
Local clock offset: 1.892 ms
Remote clock offset: 11.457 ms

# Below is generated by plot.py at 2018-04-10 17:32:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 103.055 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 103.055 ms
Loss rate: 2.44%
```

Run 5: Report of Vivace-LTE — Data Link

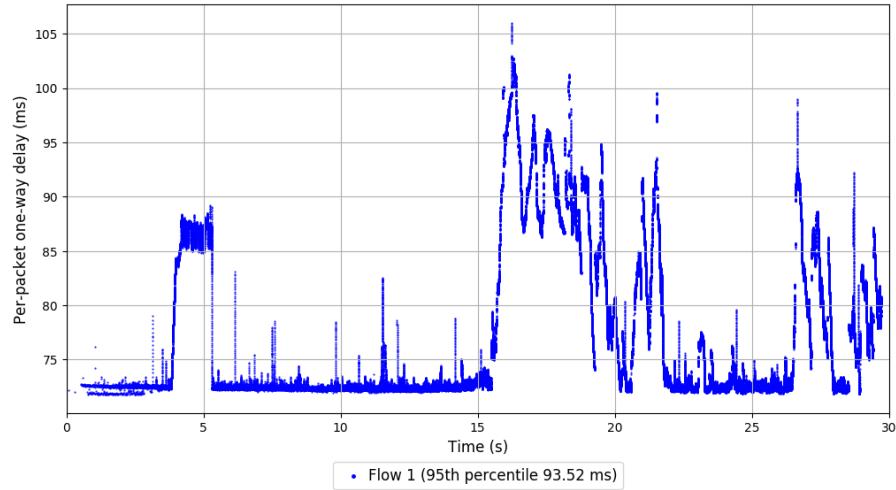
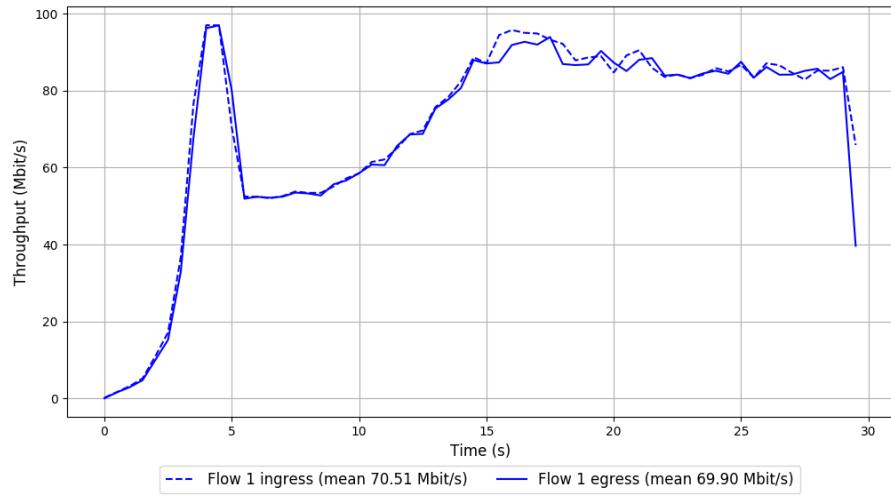


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-04-10 11:19:27
End at: 2018-04-10 11:19:57
Local clock offset: 1.868 ms
Remote clock offset: 13.559 ms

# Below is generated by plot.py at 2018-04-10 17:32:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 93.519 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 93.519 ms
Loss rate: 1.66%
```

Run 6: Report of Vivace-LTE — Data Link

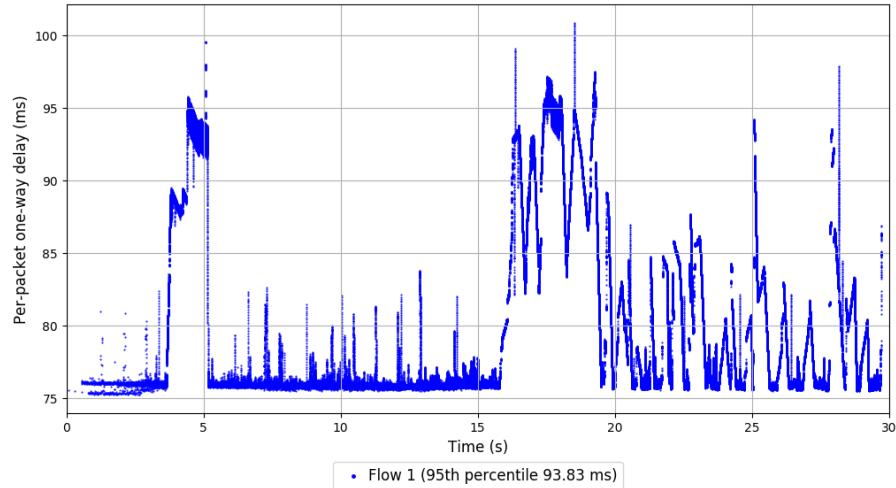
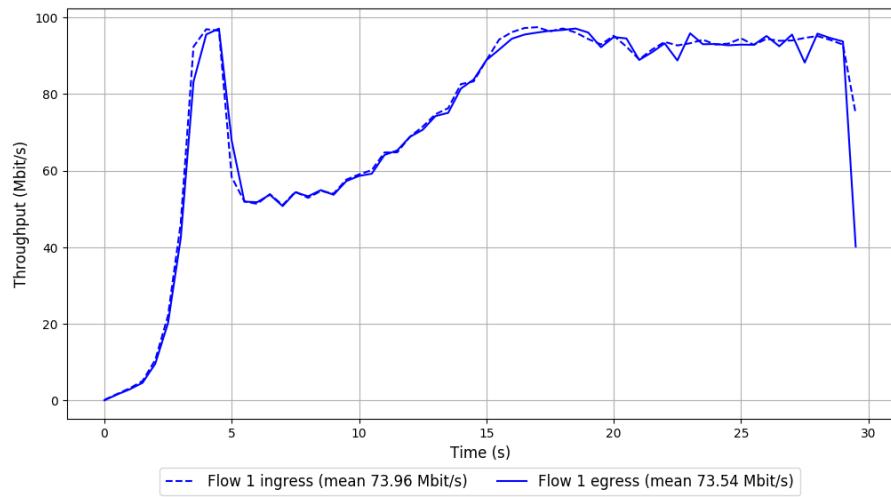


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-04-10 11:44:12
End at: 2018-04-10 11:44:42
Local clock offset: 33.343 ms
Remote clock offset: -1.621 ms

# Below is generated by plot.py at 2018-04-10 17:32:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 93.835 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 93.835 ms
Loss rate: 1.38%
```

Run 7: Report of Vivace-LTE — Data Link

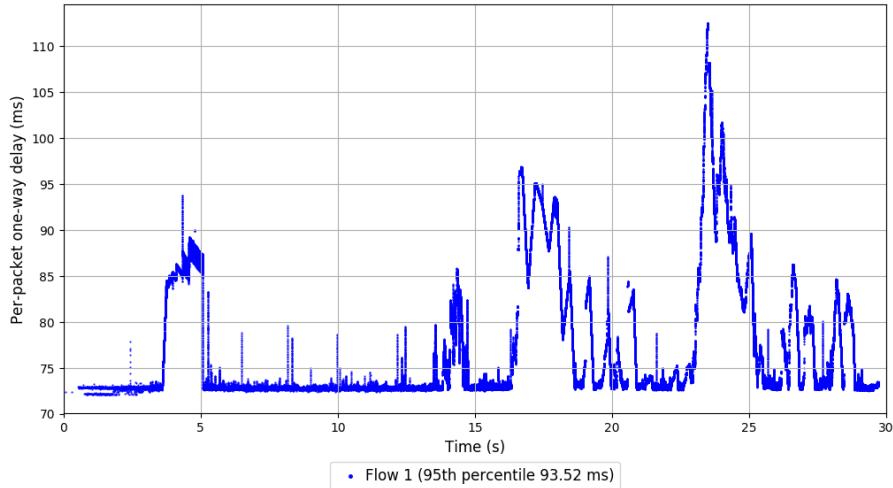
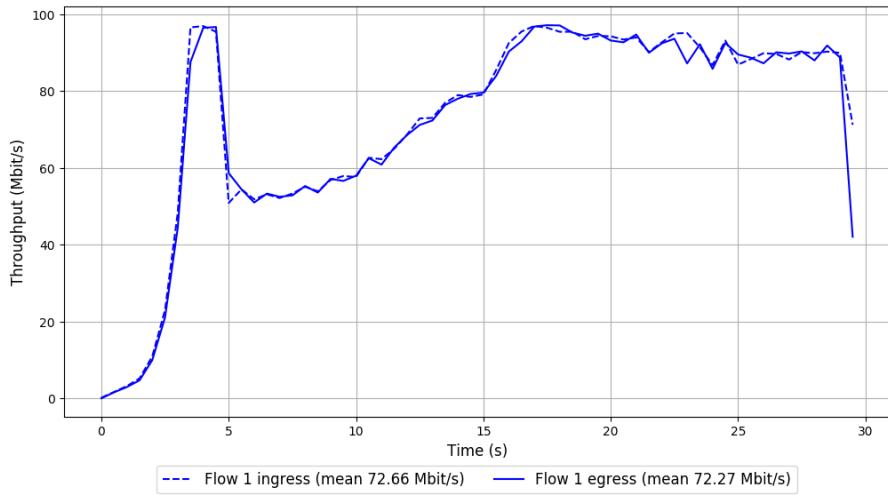


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-04-10 12:09:06
End at: 2018-04-10 12:09:36
Local clock offset: 45.795 ms
Remote clock offset: 5.239 ms

# Below is generated by plot.py at 2018-04-10 17:32:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 93.517 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 93.517 ms
Loss rate: 1.30%
```

Run 8: Report of Vivace-LTE — Data Link

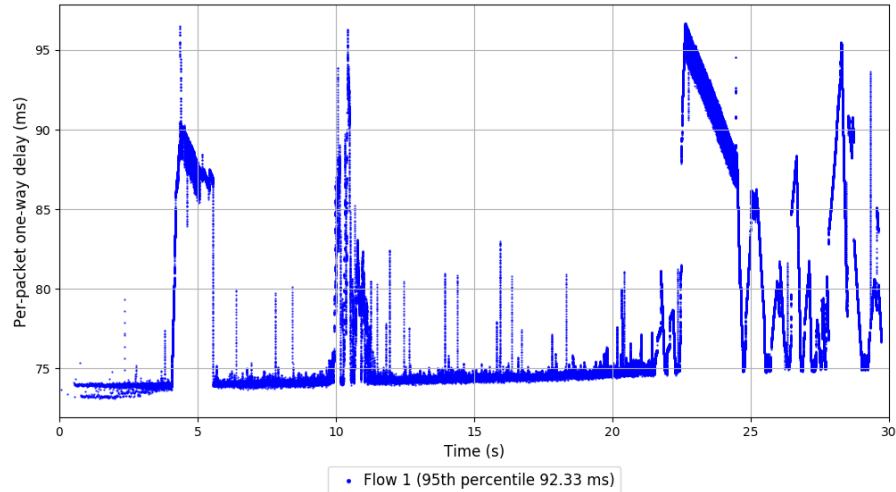
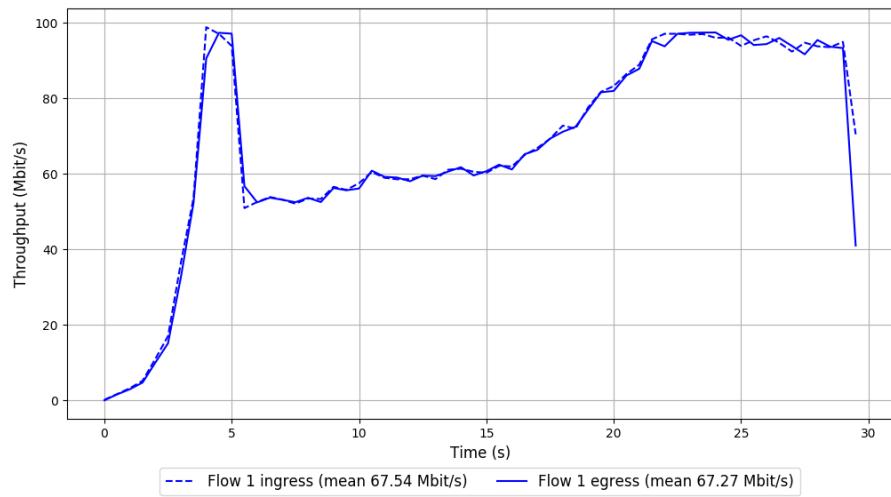


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-04-10 12:33:46
End at: 2018-04-10 12:34:16
Local clock offset: 43.774 ms
Remote clock offset: 13.732 ms

# Below is generated by plot.py at 2018-04-10 17:32:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 92.335 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 92.335 ms
Loss rate: 1.17%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-04-10 12:58:45
End at: 2018-04-10 12:59:15
Local clock offset: 25.412 ms
Remote clock offset: 17.387 ms

# Below is generated by plot.py at 2018-04-10 17:32:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 105.113 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 105.113 ms
Loss rate: 2.60%
```

Run 10: Report of Vivace-LTE — Data Link

