

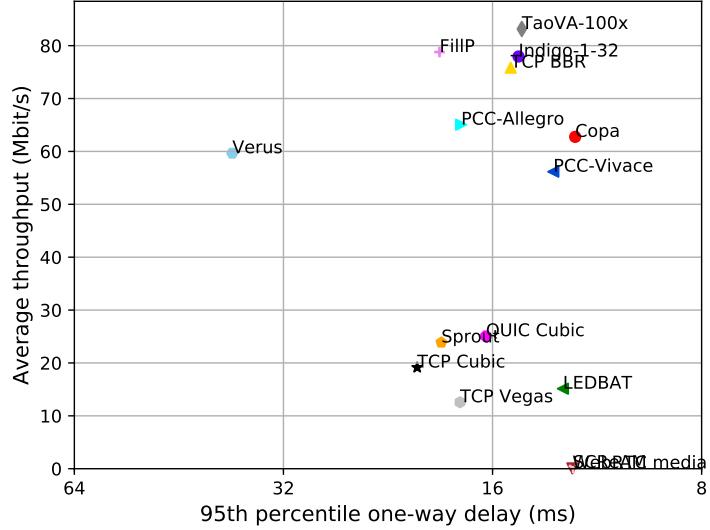
## Pantheon Report

Generated at 2018-04-17 08:49:59 (UTC).  
Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).  
NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

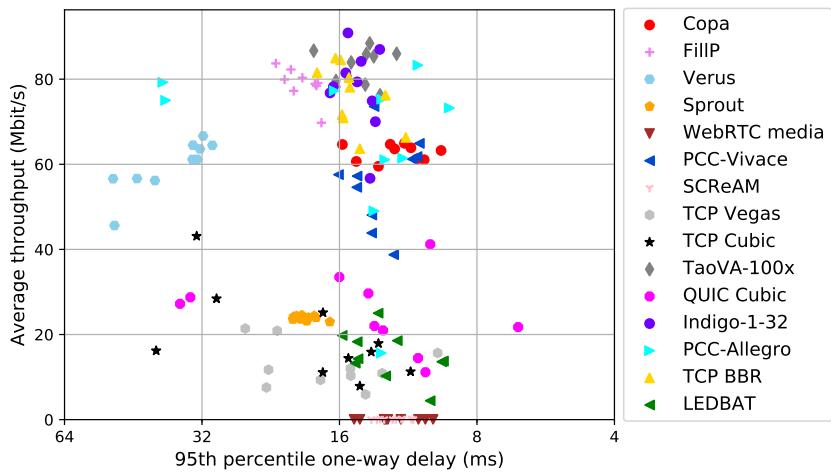
```
Git summary:  
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4  
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50  
M datagrump/sender.cc  
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44  
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec  
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
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 AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)

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



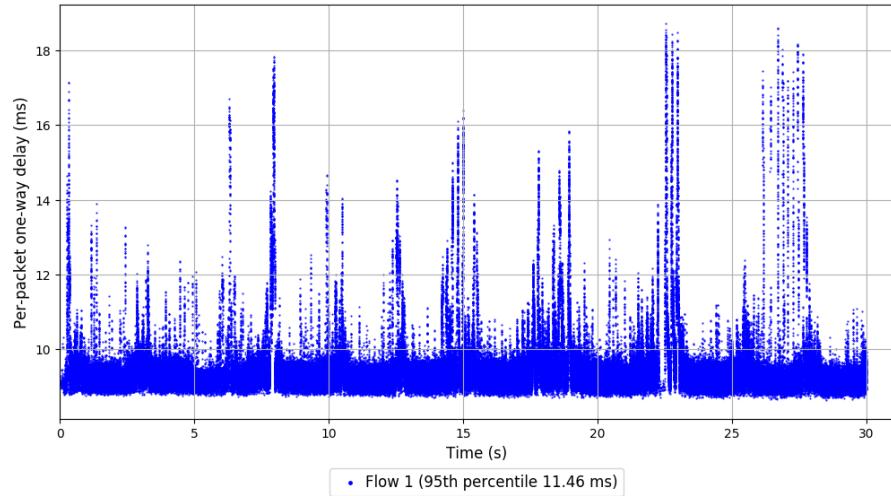
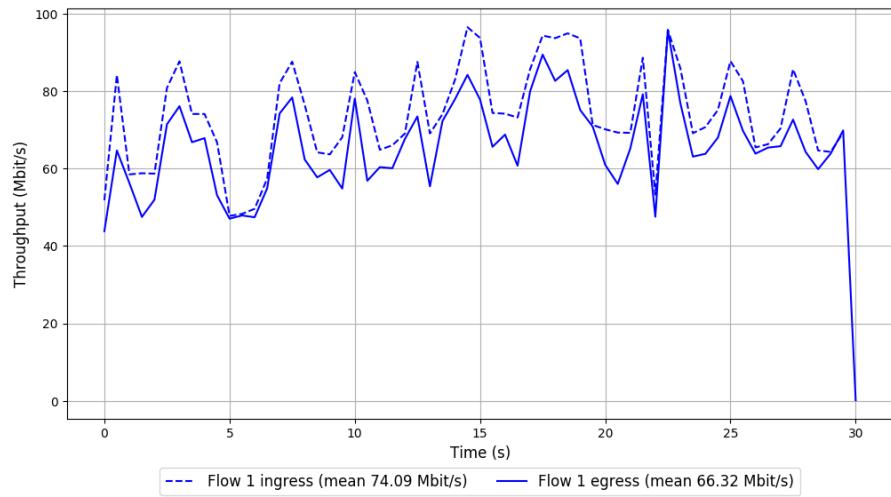
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	75.84	15.07	8.35
TCP Cubic	10	19.14	20.54	0.51
LEDBAT	10	15.13	12.67	1.08
PCC-Allegro	10	65.06	17.76	7.85
QUIC Cubic	10	25.06	16.36	1.19
SCReAM	10	0.15	12.25	0.90
WebRTC media	10	0.06	12.28	0.50
Sprout	10	23.88	18.96	1.68
TaoVA-100x	10	83.15	14.52	8.59
TCP Vegas	10	12.57	17.82	1.21
Verus	10	59.66	37.92	17.48
Copa	10	62.76	12.17	5.31
FillP	10	78.79	19.07	9.55
Indigo-1-32	10	77.95	14.68	8.55
PCC-Vivace	10	56.16	13.08	5.48
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

```
Start at: 2018-04-17 05:03:25
End at: 2018-04-17 05:03:55
Local clock offset: -5.932 ms
Remote clock offset: -8.07 ms

# Below is generated by plot.py at 2018-04-17 08:35:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 11.456 ms
Loss rate: 10.49%
-- Flow 1:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 11.456 ms
Loss rate: 10.49%
```

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

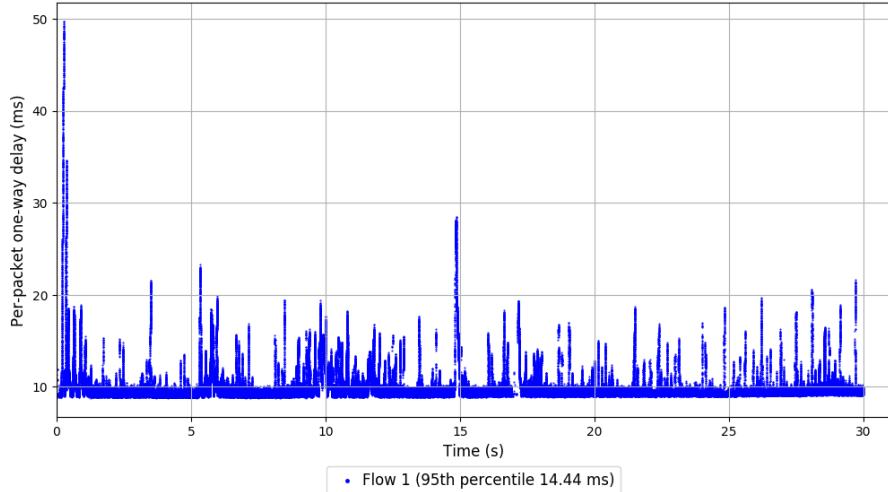
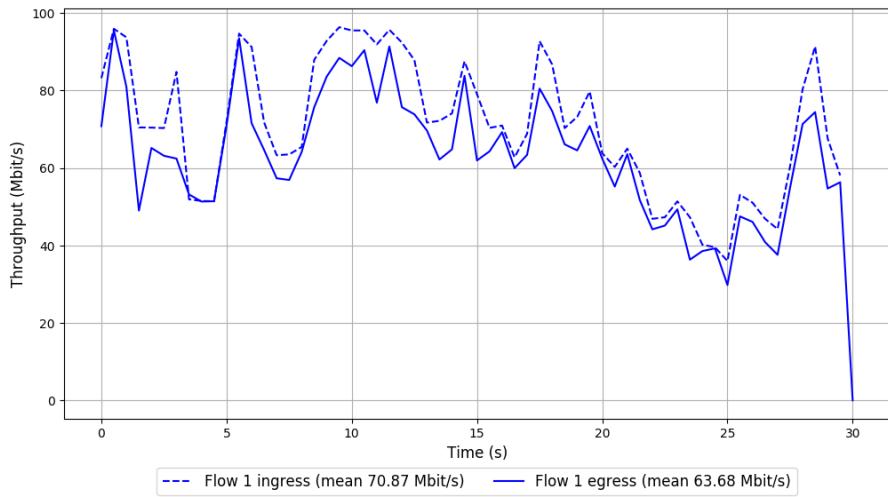


Run 2: Statistics of TCP BBR

```
Start at: 2018-04-17 05:23:08
End at: 2018-04-17 05:23:38
Local clock offset: -8.149 ms
Remote clock offset: -9.248 ms

# Below is generated by plot.py at 2018-04-17 08:35:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 14.443 ms
Loss rate: 10.15%
-- Flow 1:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 14.443 ms
Loss rate: 10.15%
```

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

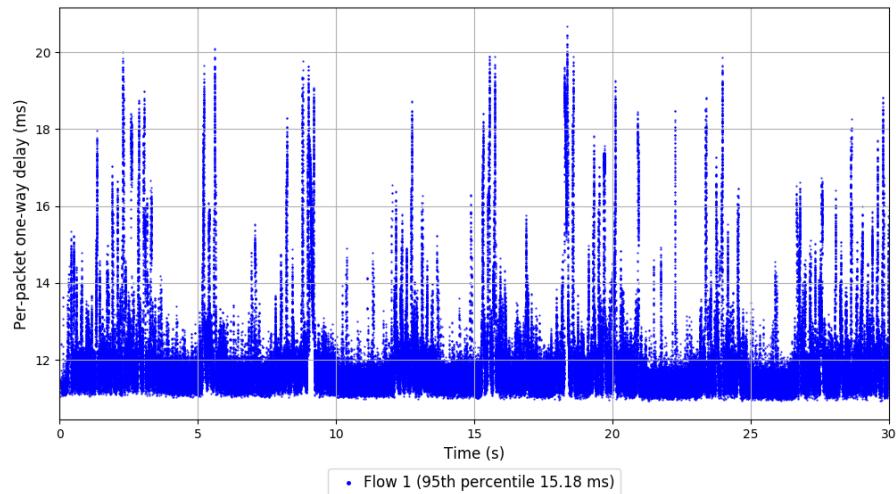
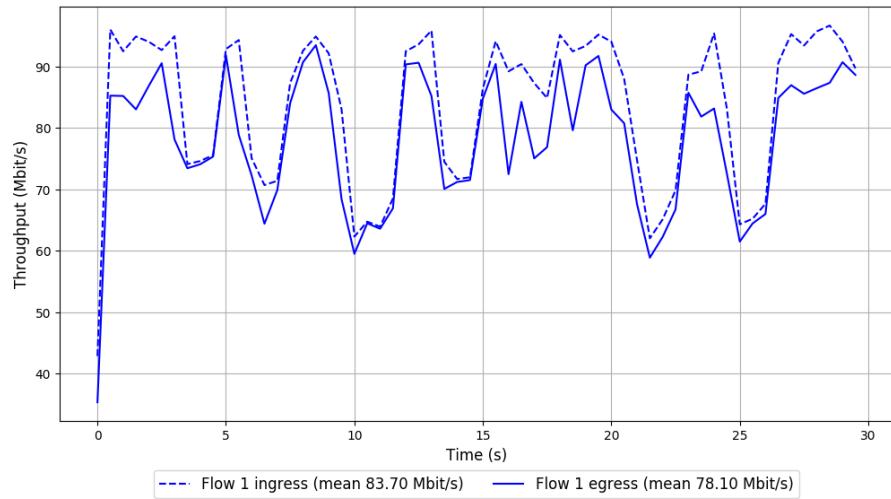


Run 3: Statistics of TCP BBR

```
Start at: 2018-04-17 05:43:06
End at: 2018-04-17 05:43:36
Local clock offset: -4.409 ms
Remote clock offset: -9.112 ms

# Below is generated by plot.py at 2018-04-17 08:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 15.184 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 15.184 ms
Loss rate: 6.68%
```

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

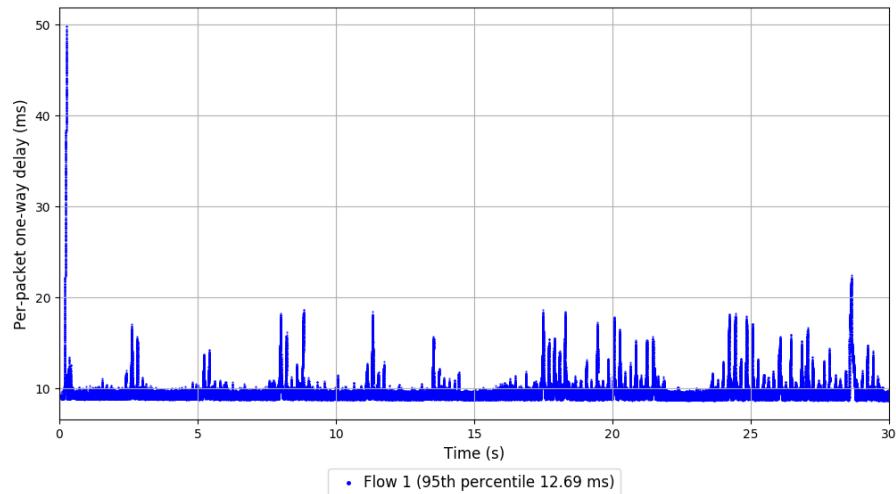
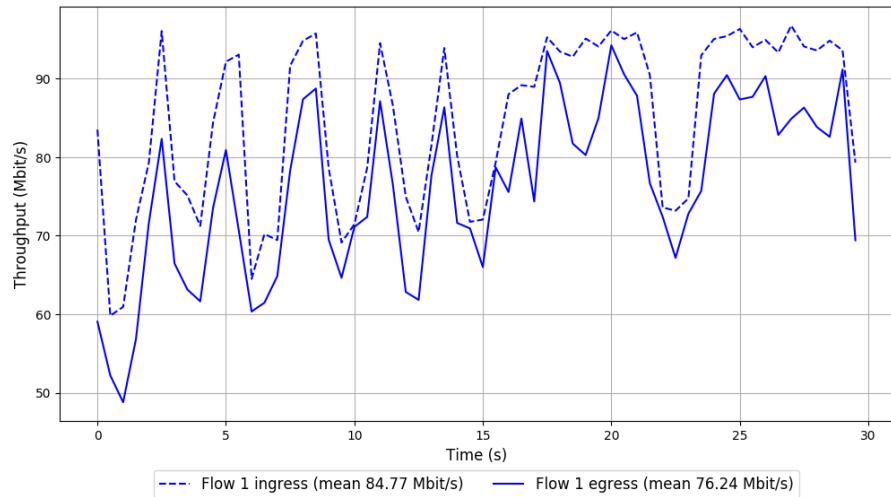


Run 4: Statistics of TCP BBR

```
Start at: 2018-04-17 06:02:52
End at: 2018-04-17 06:03:22
Local clock offset: -1.697 ms
Remote clock offset: -5.301 ms

# Below is generated by plot.py at 2018-04-17 08:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 12.692 ms
Loss rate: 10.06%
-- Flow 1:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 12.692 ms
Loss rate: 10.06%
```

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

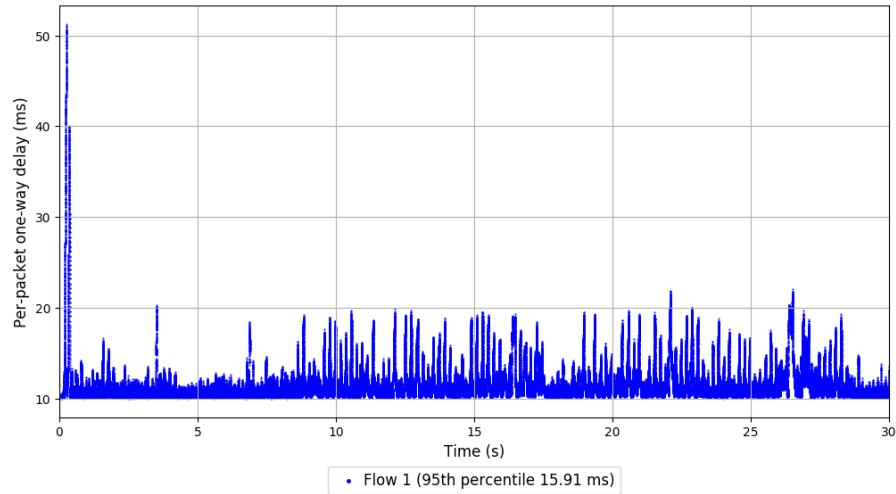
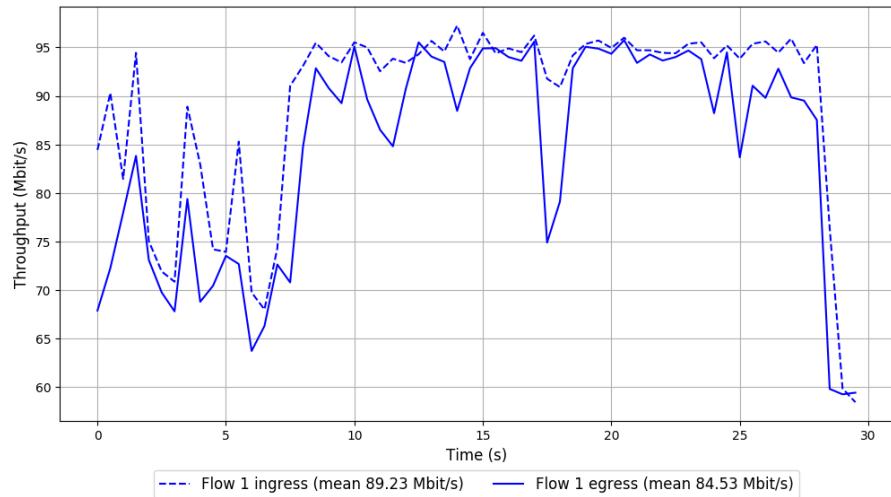


Run 5: Statistics of TCP BBR

```
Start at: 2018-04-17 06:22:48
End at: 2018-04-17 06:23:18
Local clock offset: -4.372 ms
Remote clock offset: -4.683 ms

# Below is generated by plot.py at 2018-04-17 08:35:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 15.907 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 15.907 ms
Loss rate: 5.27%
```

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

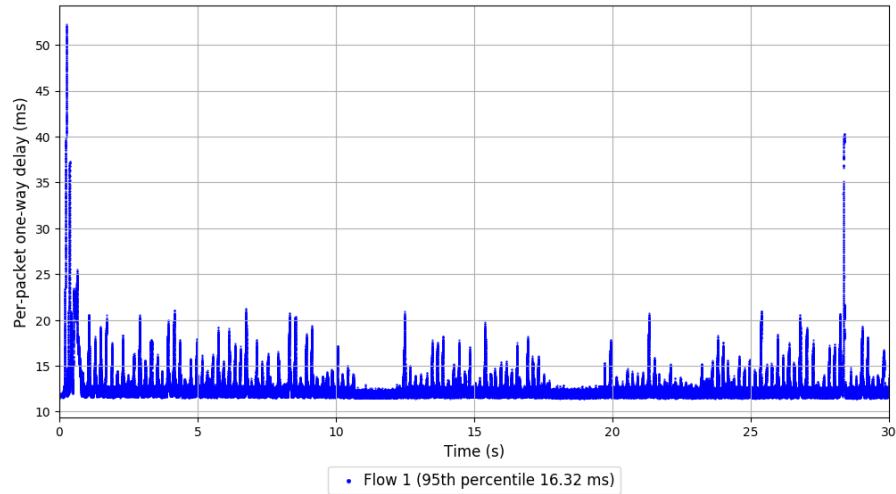
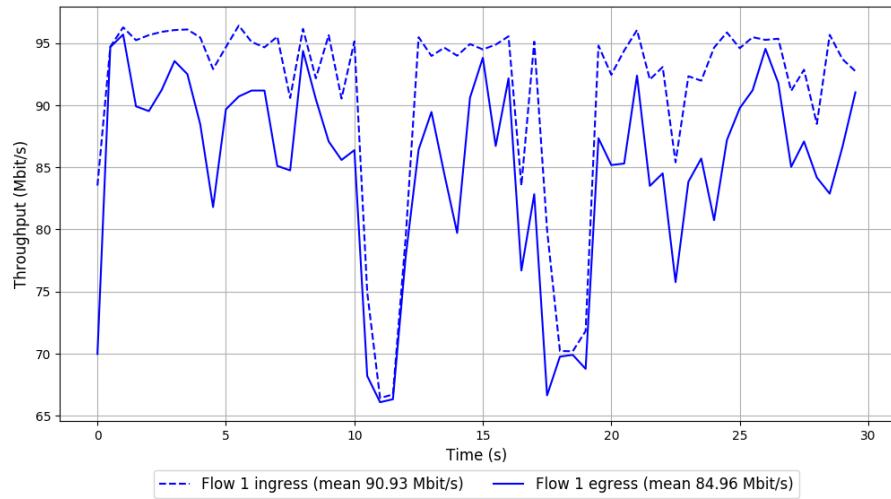


Run 6: Statistics of TCP BBR

```
Start at: 2018-04-17 06:42:40
End at: 2018-04-17 06:43:10
Local clock offset: -9.082 ms
Remote clock offset: -5.603 ms

# Below is generated by plot.py at 2018-04-17 08:35:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 16.321 ms
Loss rate: 6.55%
-- Flow 1:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 16.321 ms
Loss rate: 6.55%
```

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

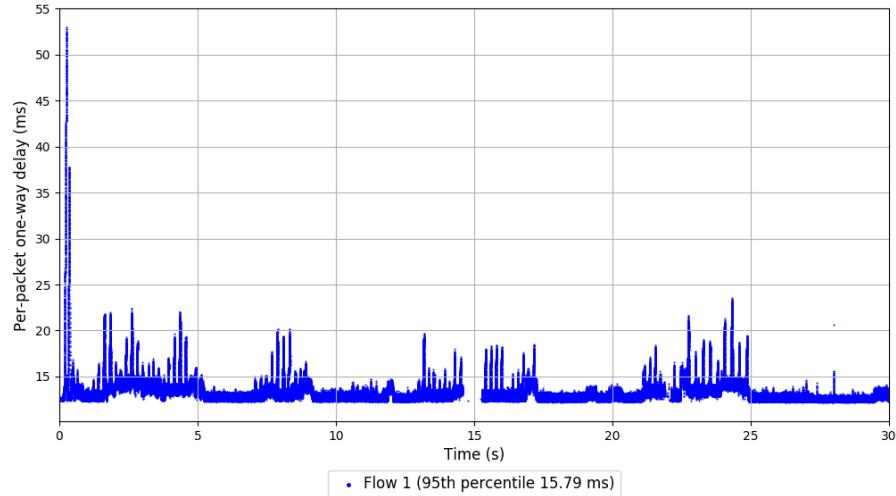
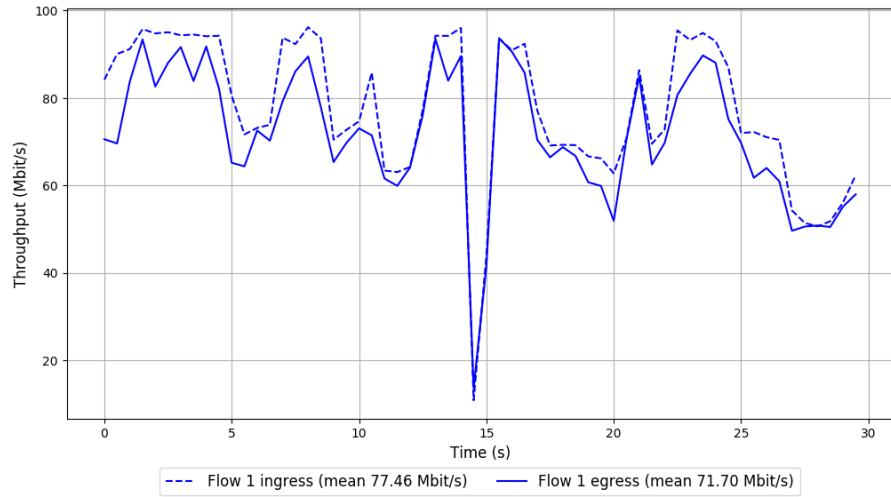


Run 7: Statistics of TCP BBR

```
Start at: 2018-04-17 07:02:24
End at: 2018-04-17 07:02:54
Local clock offset: -12.679 ms
Remote clock offset: -3.632 ms

# Below is generated by plot.py at 2018-04-17 08:35:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 15.791 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 15.791 ms
Loss rate: 7.44%
```

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

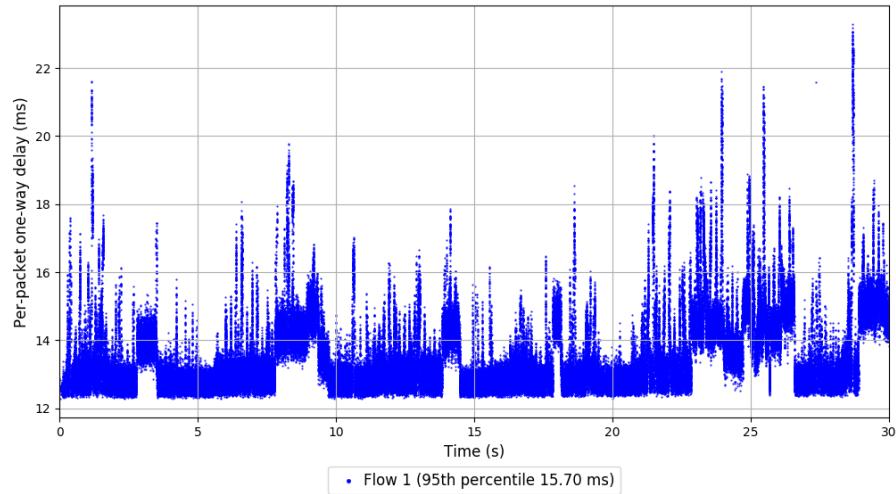
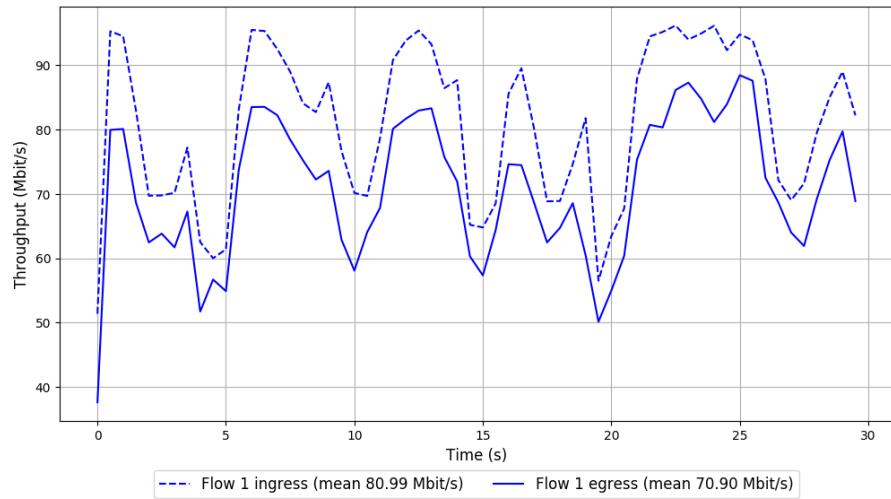


Run 8: Statistics of TCP BBR

```
Start at: 2018-04-17 07:22:28
End at: 2018-04-17 07:22:58
Local clock offset: -6.282 ms
Remote clock offset: -1.541 ms

# Below is generated by plot.py at 2018-04-17 08:35:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.90 Mbit/s
95th percentile per-packet one-way delay: 15.699 ms
Loss rate: 12.45%
-- Flow 1:
Average throughput: 70.90 Mbit/s
95th percentile per-packet one-way delay: 15.699 ms
Loss rate: 12.45%
```

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

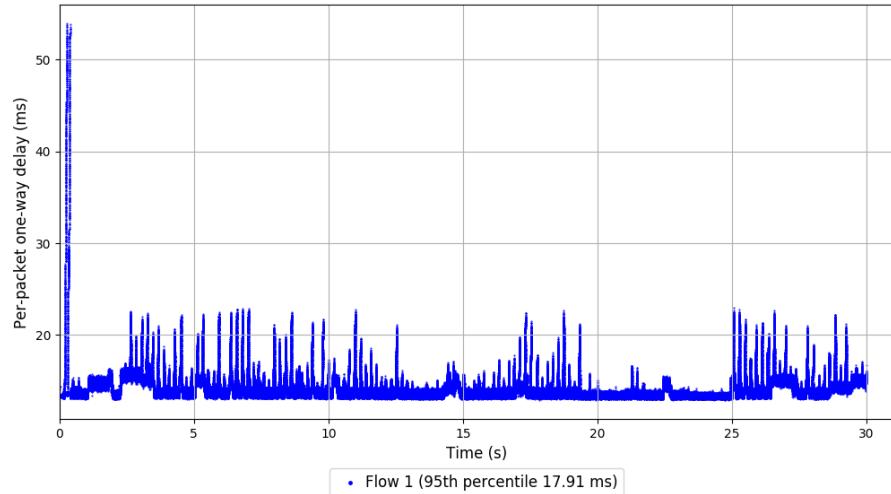
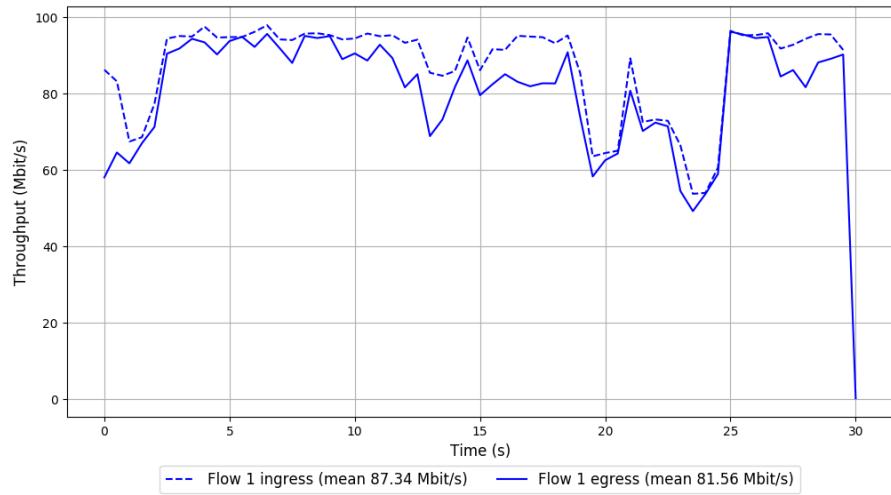


Run 9: Statistics of TCP BBR

```
Start at: 2018-04-17 07:42:08
End at: 2018-04-17 07:42:38
Local clock offset: -4.633 ms
Remote clock offset: -7.67 ms

# Below is generated by plot.py at 2018-04-17 08:36:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 17.911 ms
Loss rate: 6.61%
-- Flow 1:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 17.911 ms
Loss rate: 6.61%
```

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

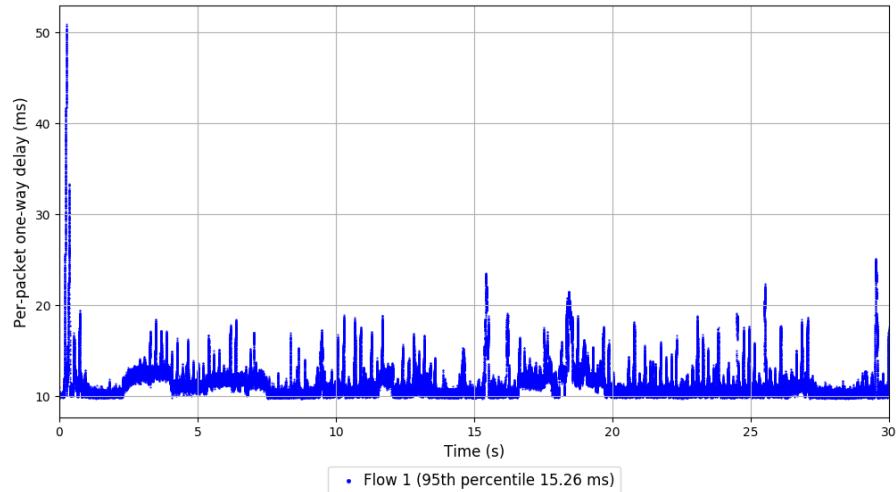
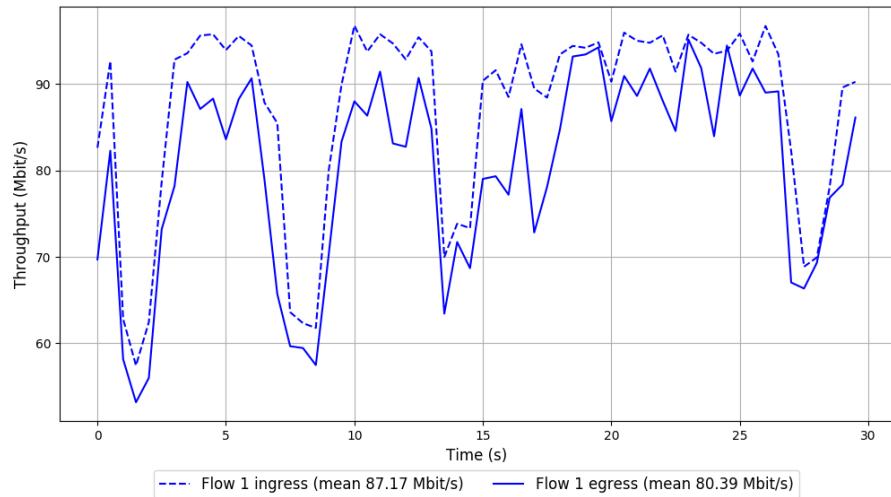


Run 10: Statistics of TCP BBR

```
Start at: 2018-04-17 08:02:04
End at: 2018-04-17 08:02:34
Local clock offset: -4.763 ms
Remote clock offset: -9.22 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 15.255 ms
Loss rate: 7.77%
-- Flow 1:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 15.255 ms
Loss rate: 7.77%
```

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

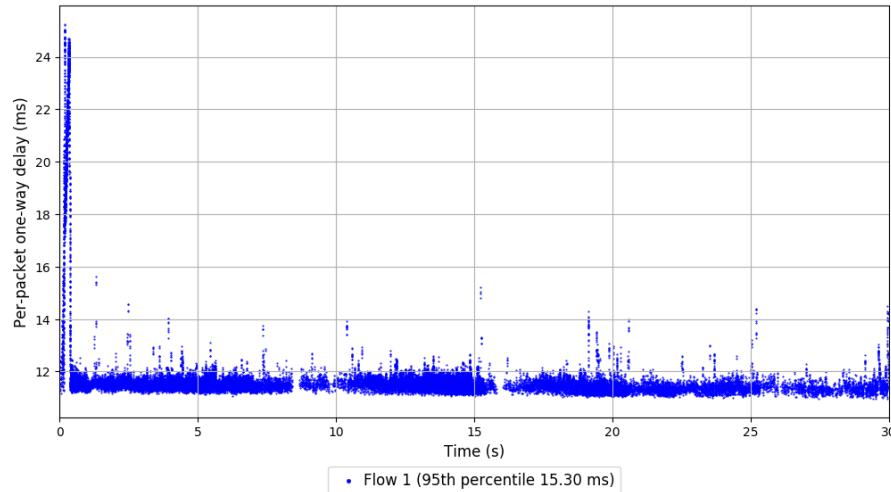
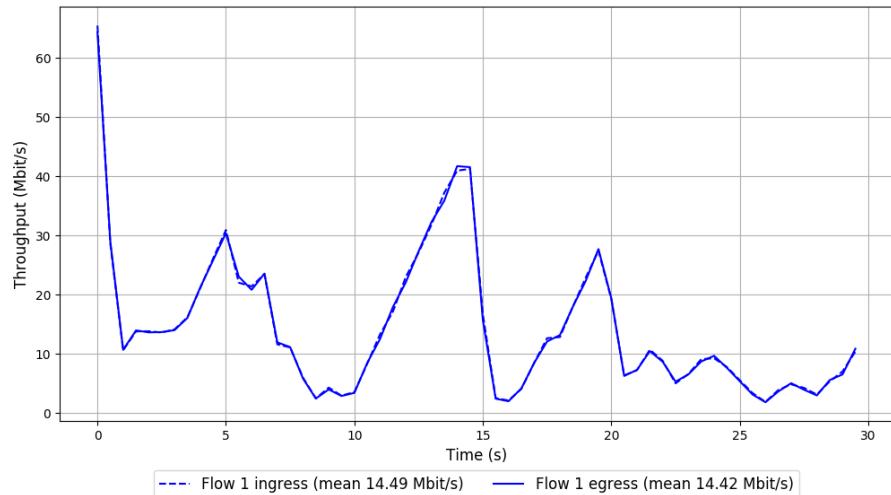


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-04-17 04:49:21
End at: 2018-04-17 04:49:51
Local clock offset: -4.188 ms
Remote clock offset: -8.358 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 15.299 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 15.299 ms
Loss rate: 0.51%
```

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

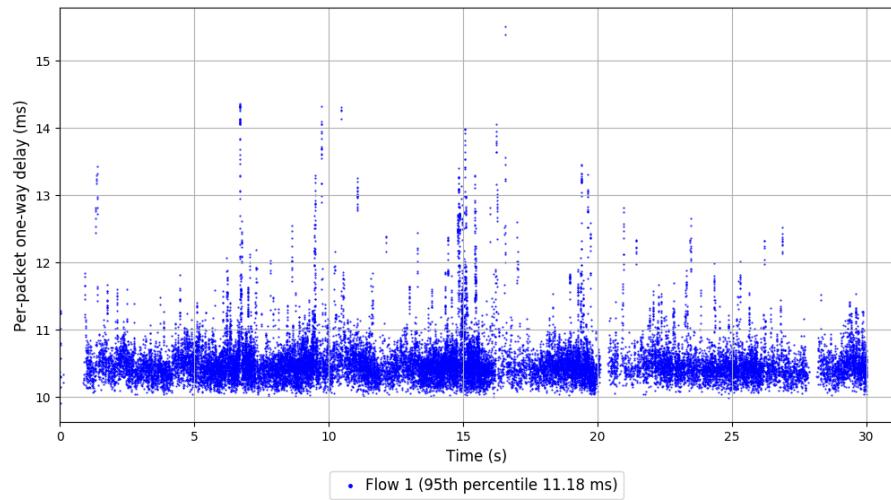
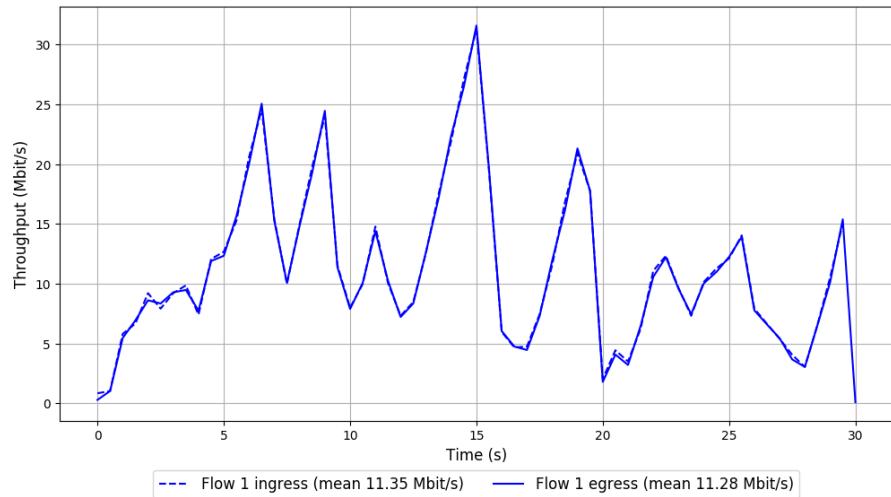


Run 2: Statistics of TCP Cubic

```
Start at: 2018-04-17 05:09:14
End at: 2018-04-17 05:09:44
Local clock offset: -6.931 ms
Remote clock offset: -7.042 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 11.180 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 11.180 ms
Loss rate: 0.61%
```

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

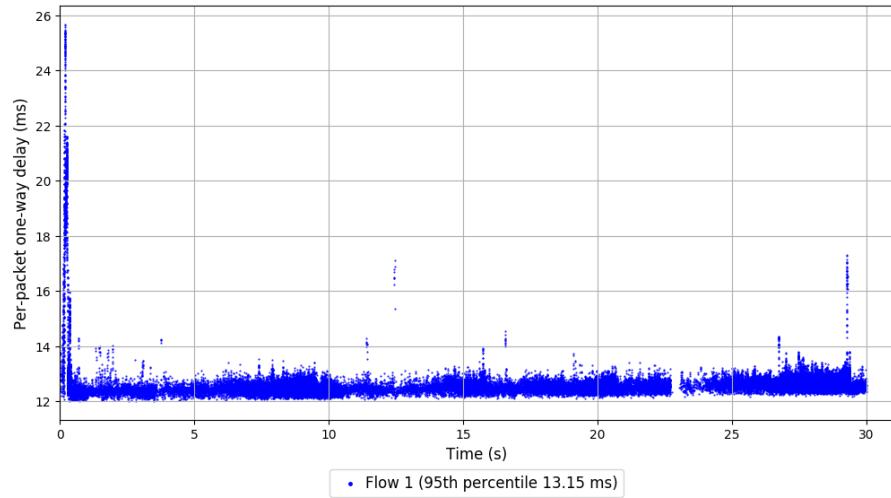
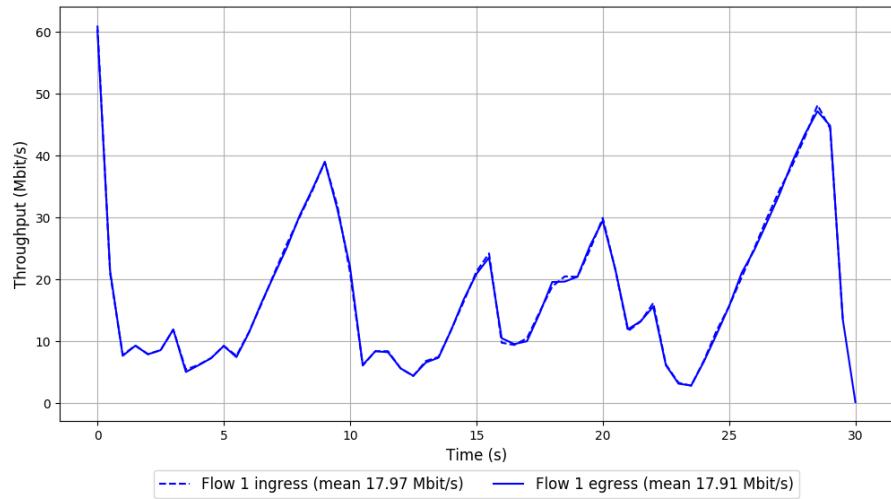


Run 3: Statistics of TCP Cubic

```
Start at: 2018-04-17 05:29:00
End at: 2018-04-17 05:29:30
Local clock offset: -6.312 ms
Remote clock offset: -7.914 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: 13.147 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: 13.147 ms
Loss rate: 0.35%
```

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

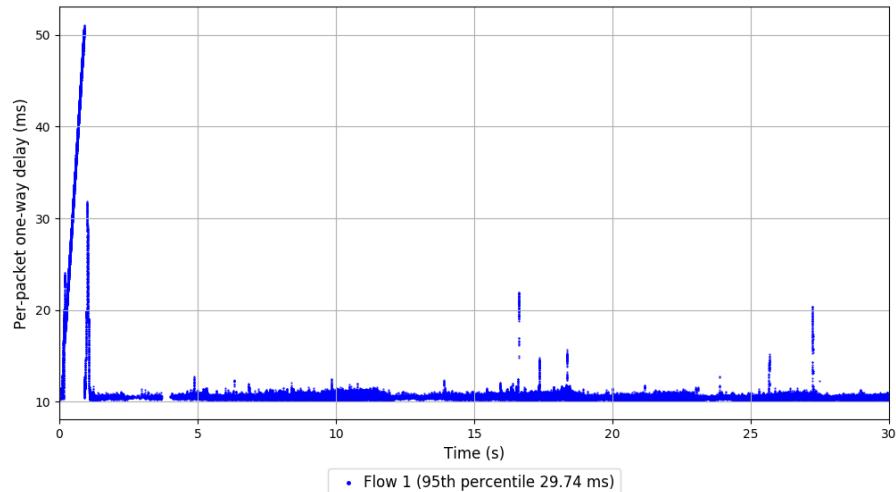
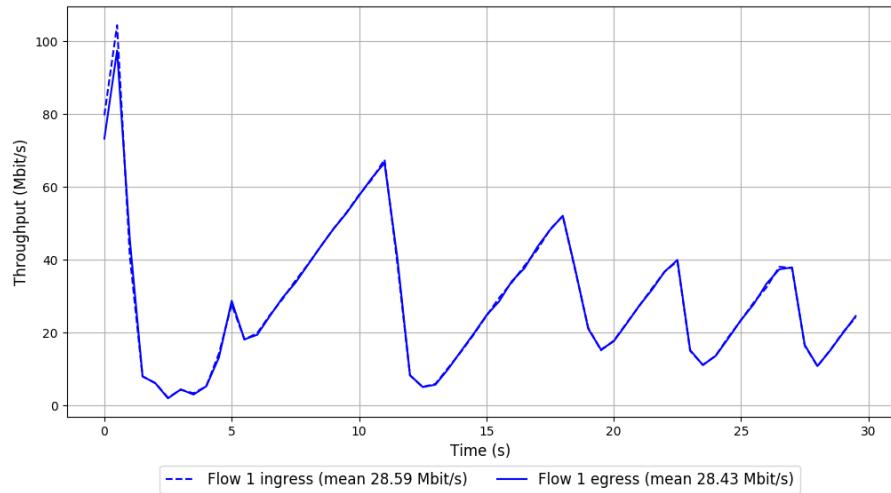


Run 4: Statistics of TCP Cubic

```
Start at: 2018-04-17 05:48:58
End at: 2018-04-17 05:49:28
Local clock offset: -2.637 ms
Remote clock offset: -7.511 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 29.738 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 29.738 ms
Loss rate: 0.59%
```

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

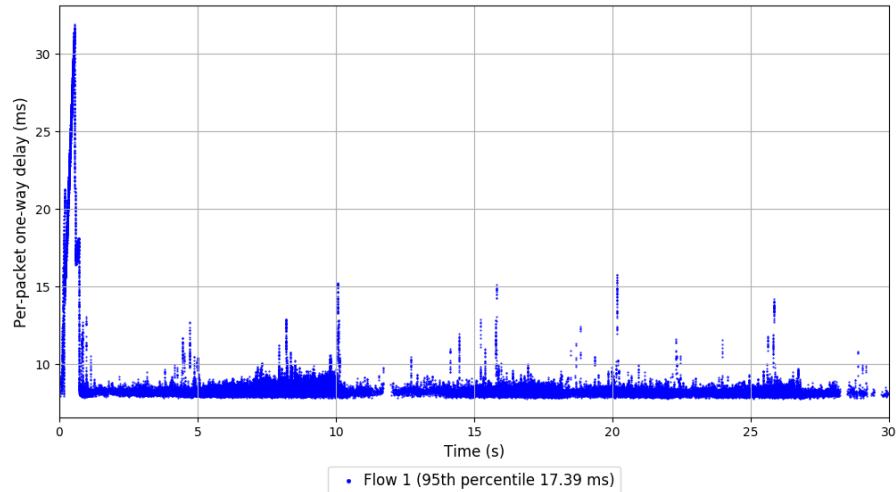
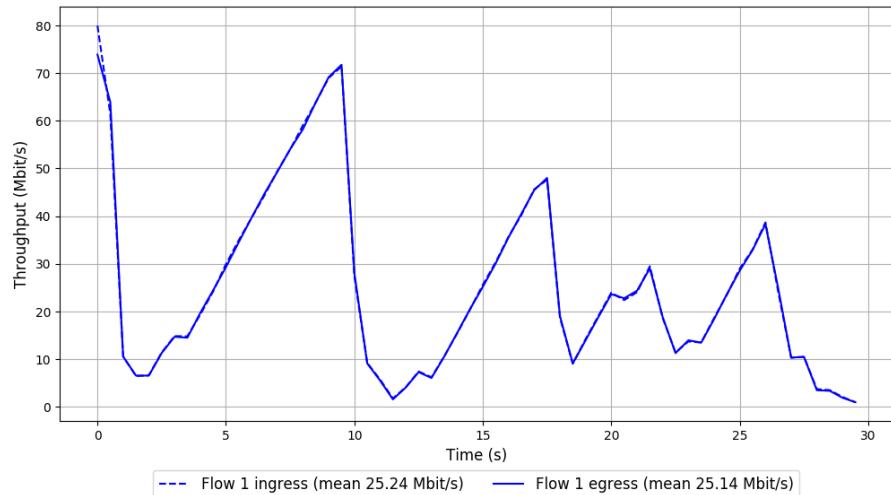


Run 5: Statistics of TCP Cubic

```
Start at: 2018-04-17 06:08:46
End at: 2018-04-17 06:09:16
Local clock offset: -2.632 ms
Remote clock offset: -5.028 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 17.390 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 17.390 ms
Loss rate: 0.37%
```

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

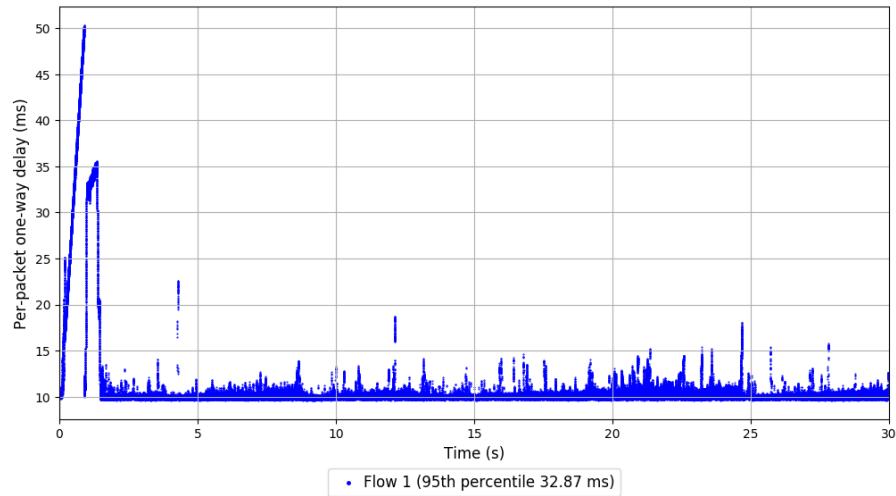
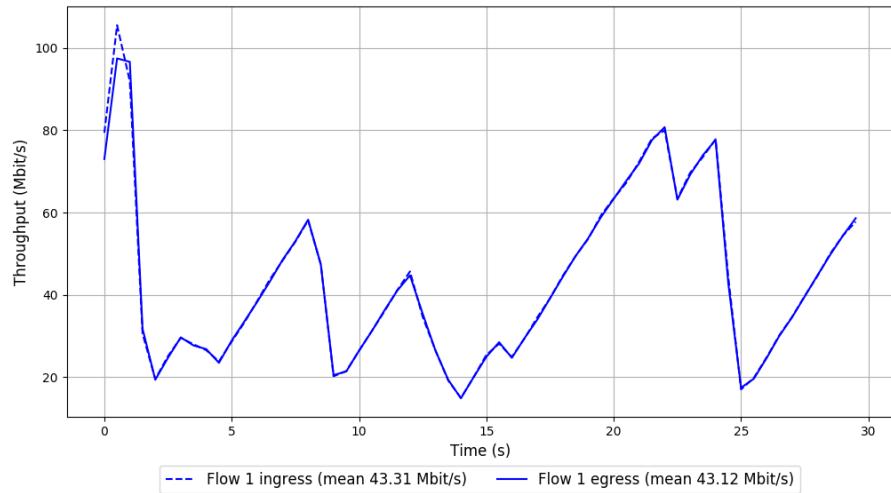


Run 6: Statistics of TCP Cubic

```
Start at: 2018-04-17 06:28:41
End at: 2018-04-17 06:29:11
Local clock offset: -3.704 ms
Remote clock offset: -4.885 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 32.874 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 32.874 ms
Loss rate: 0.44%
```

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

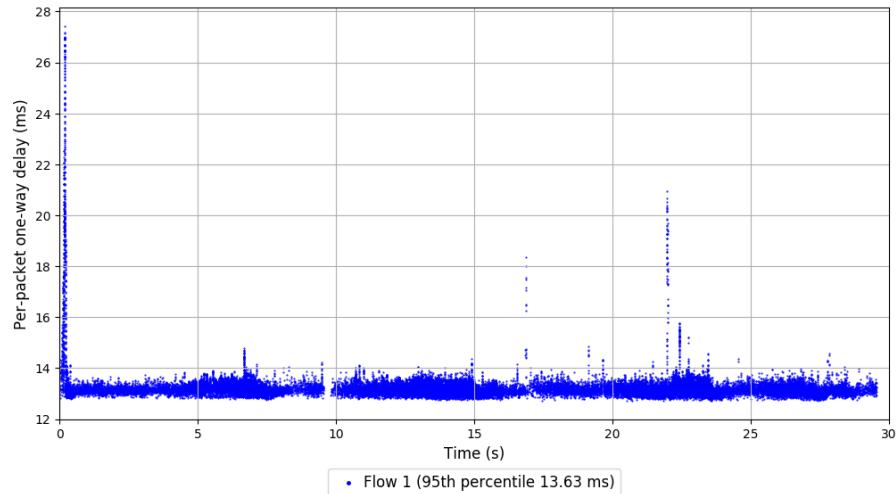
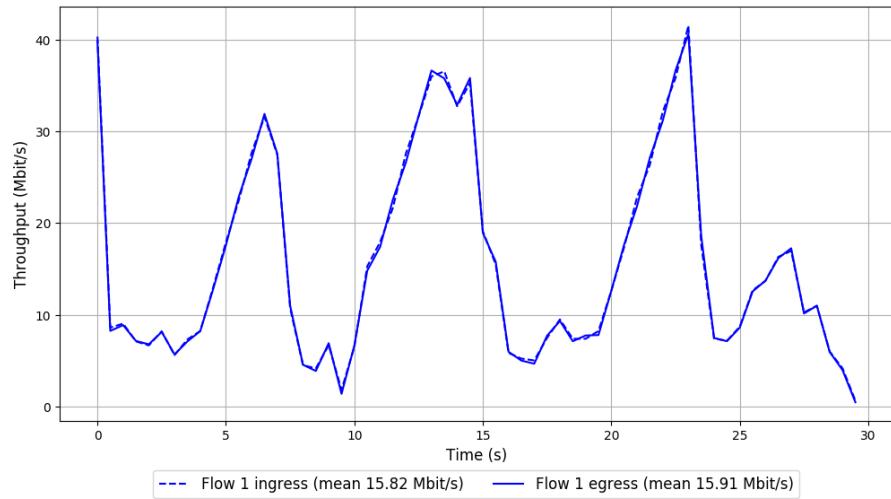


Run 7: Statistics of TCP Cubic

```
Start at: 2018-04-17 06:48:33
End at: 2018-04-17 06:49:03
Local clock offset: -12.085 ms
Remote clock offset: -6.212 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 13.631 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 13.631 ms
Loss rate: 0.32%
```

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

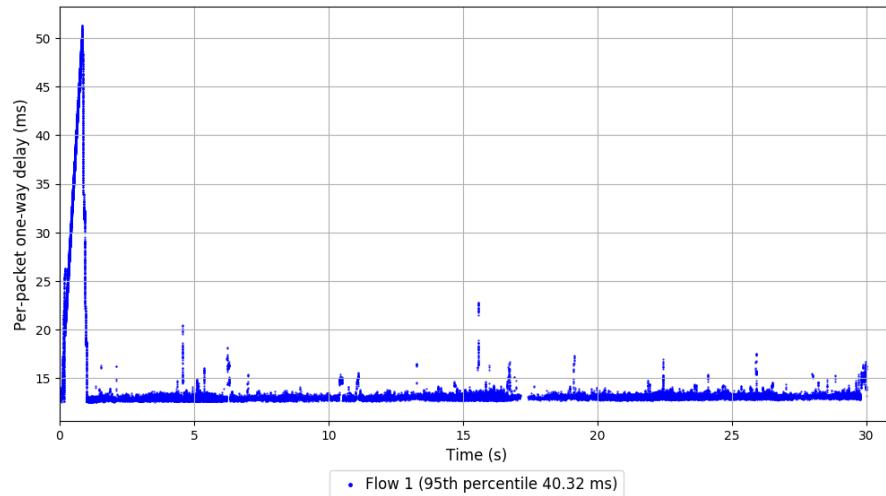
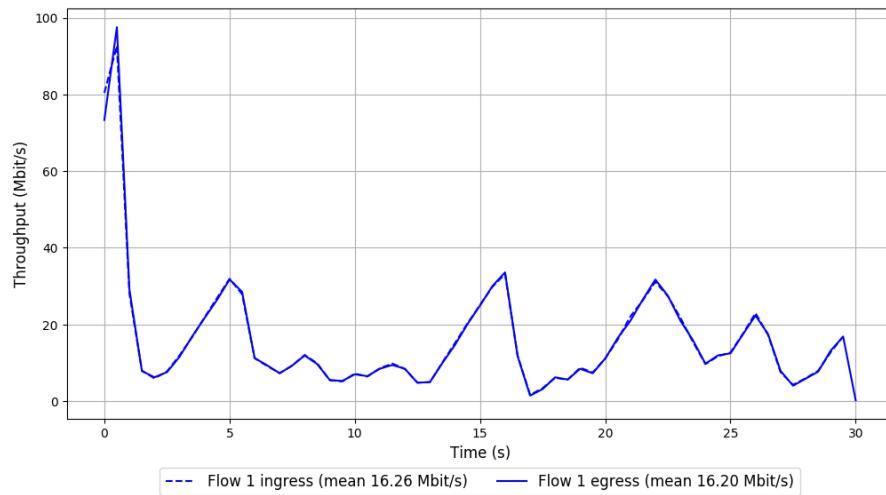


Run 8: Statistics of TCP Cubic

```
Start at: 2018-04-17 07:08:31
End at: 2018-04-17 07:09:01
Local clock offset: -11.087 ms
Remote clock offset: -1.962 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 40.317 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 40.317 ms
Loss rate: 0.36%
```

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

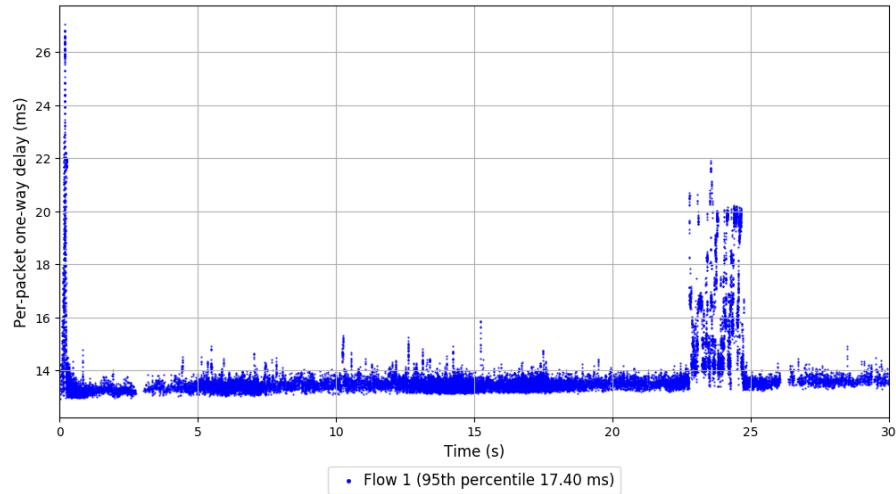
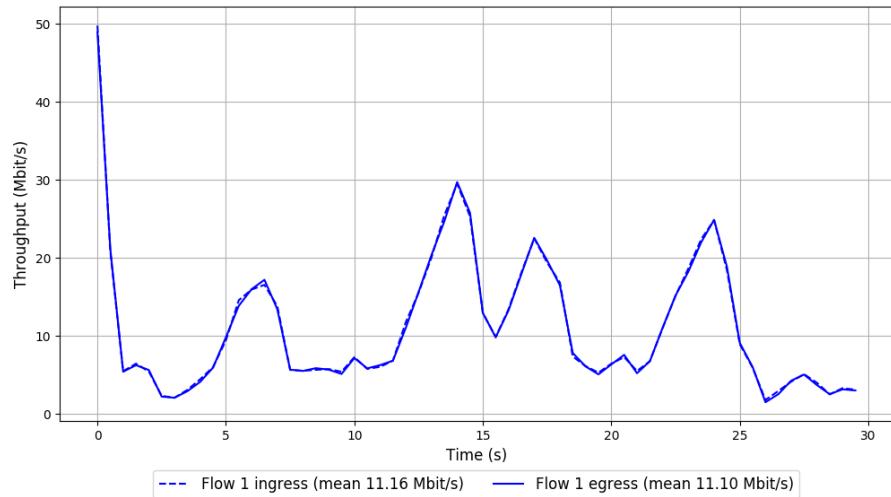


Run 9: Statistics of TCP Cubic

```
Start at: 2018-04-17 07:28:24
End at: 2018-04-17 07:28:54
Local clock offset: -4.977 ms
Remote clock offset: -3.463 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 17.403 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 17.403 ms
Loss rate: 0.47%
```

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

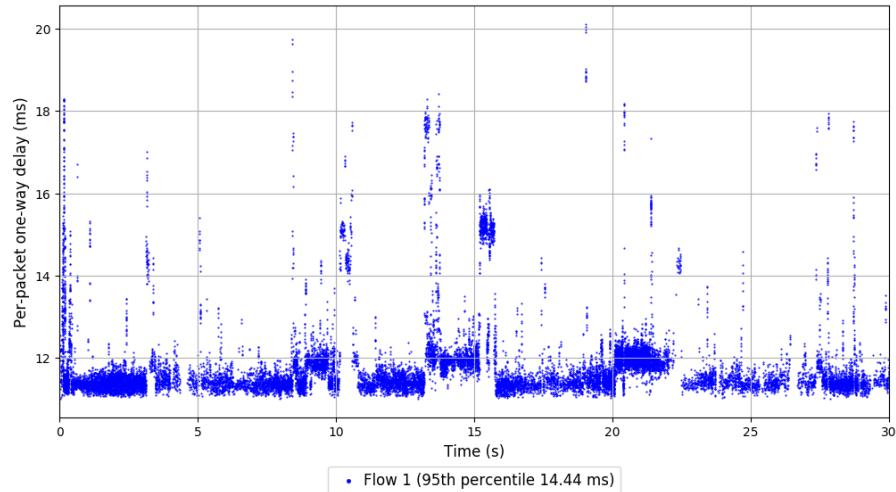
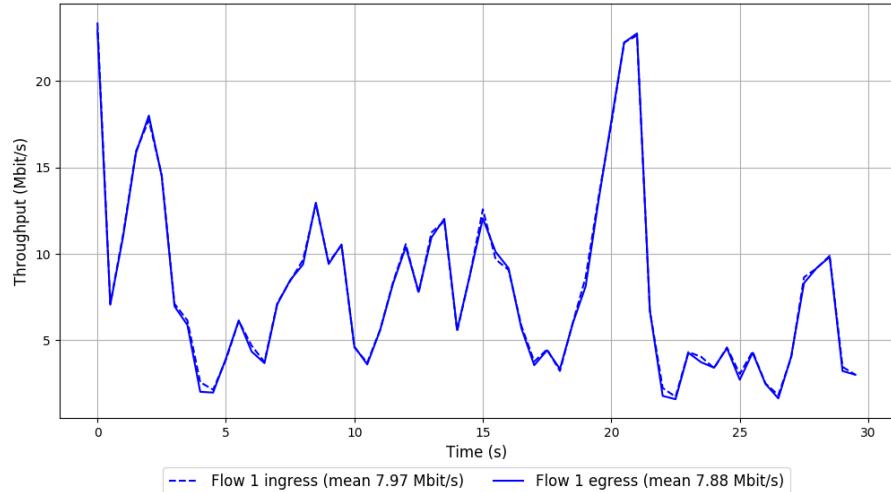


Run 10: Statistics of TCP Cubic

```
Start at: 2018-04-17 07:48:01
End at: 2018-04-17 07:48:31
Local clock offset: -5.972 ms
Remote clock offset: -9.48 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 14.440 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 14.440 ms
Loss rate: 1.13%
```

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

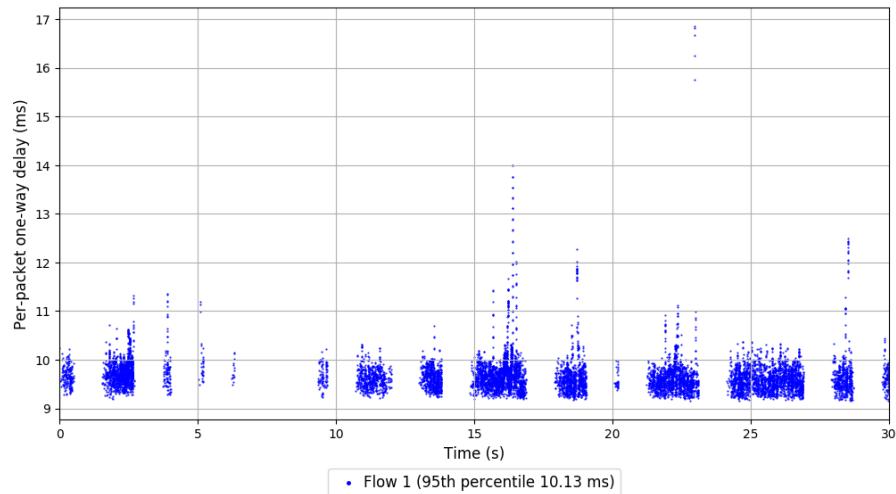
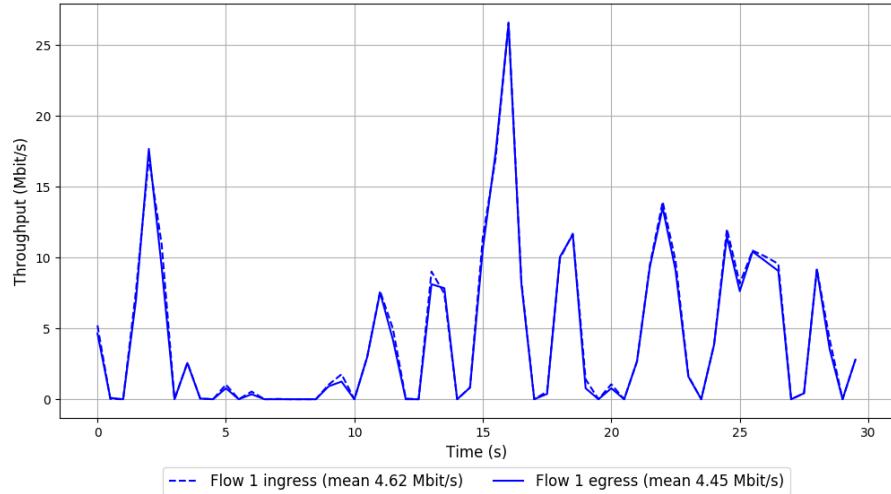


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-04-17 05:05:53
End at: 2018-04-17 05:06:23
Local clock offset: -6.153 ms
Remote clock offset: -7.977 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 10.129 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 10.129 ms
Loss rate: 3.74%
```

## Run 1: Report of LEDBAT — Data Link

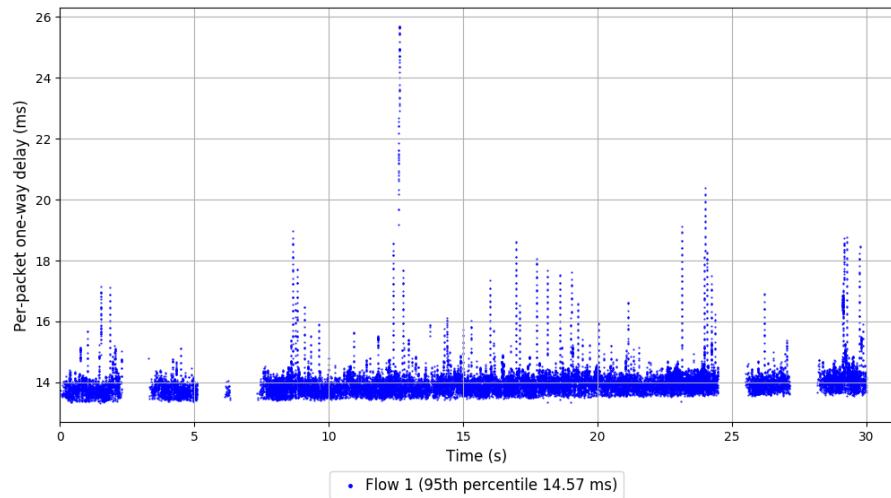
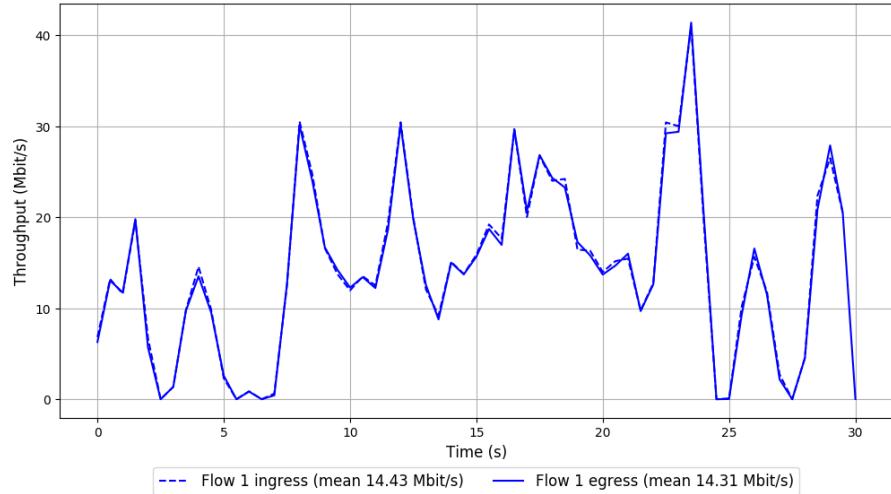


Run 2: Statistics of LEDBAT

```
Start at: 2018-04-17 05:25:30
End at: 2018-04-17 05:26:00
Local clock offset: -10.408 ms
Remote clock offset: -9.009 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 14.572 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 14.572 ms
Loss rate: 0.88%
```

## Run 2: Report of LEDBAT — Data Link

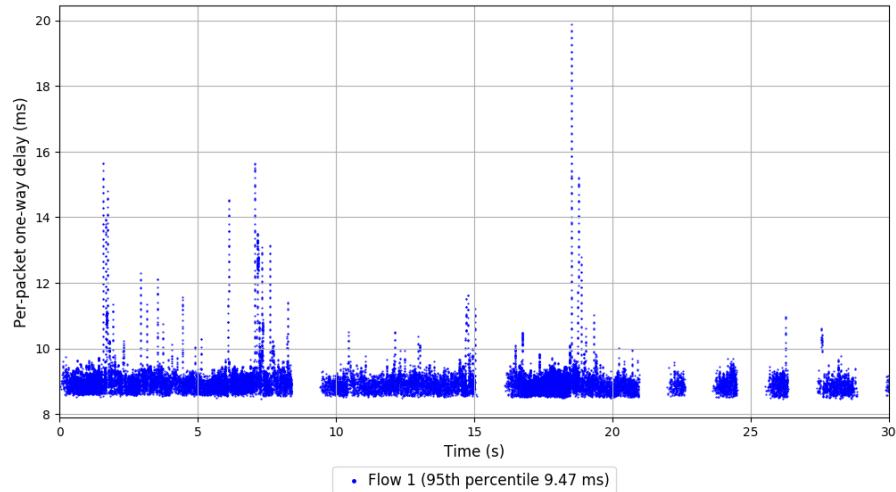
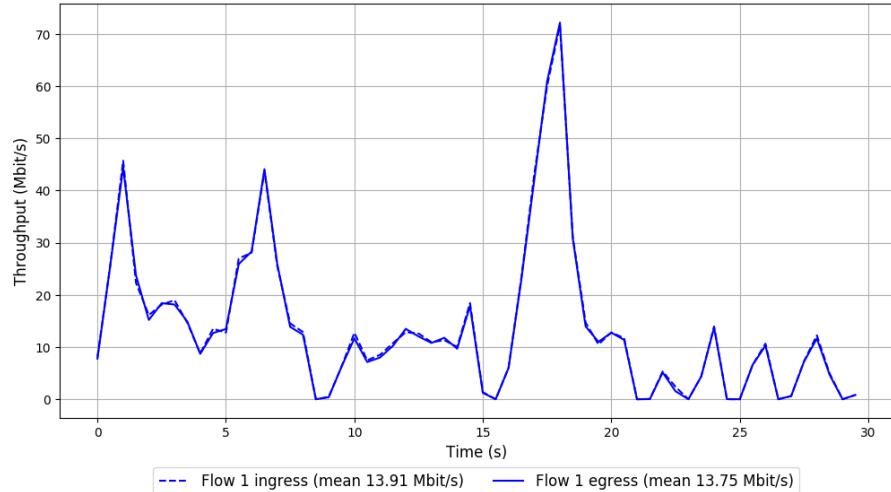


```
Run 3: Statistics of LEDBAT
```

```
Start at: 2018-04-17 05:45:32
End at: 2018-04-17 05:46:02
Local clock offset: -1.359 ms
Remote clock offset: -8.486 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 9.473 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 9.473 ms
Loss rate: 1.16%
```

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

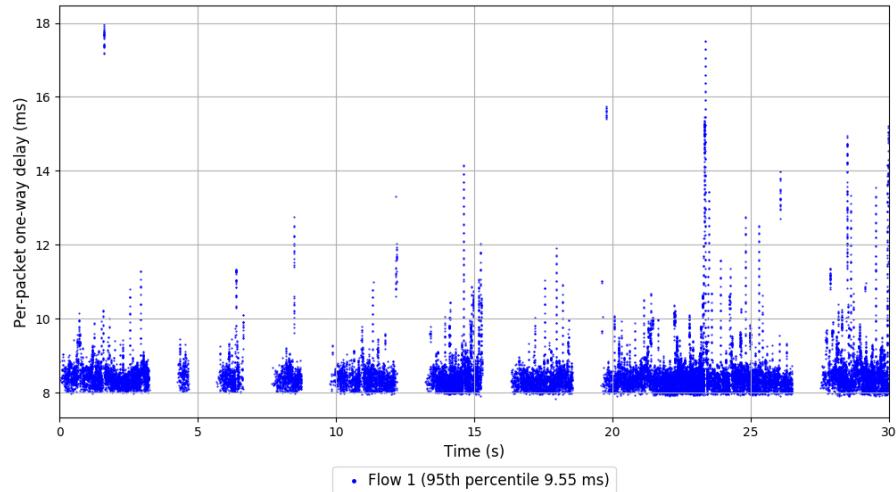
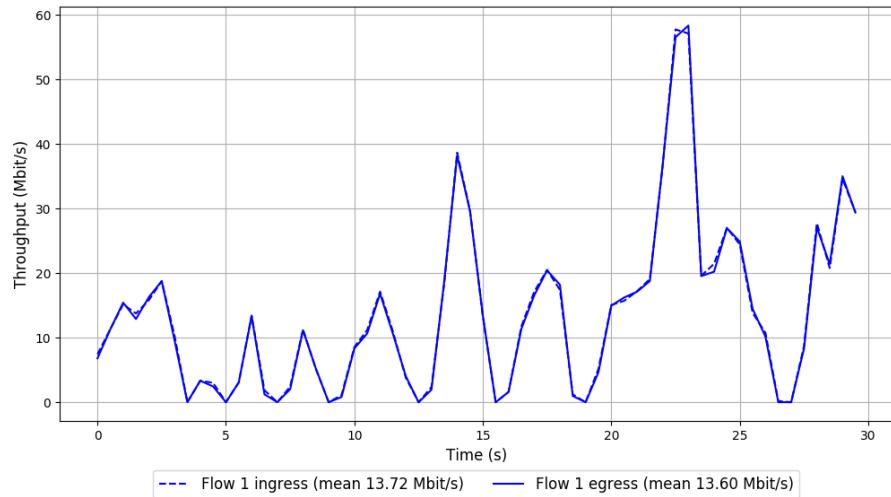


Run 4: Statistics of LEDBAT

```
Start at: 2018-04-17 06:05:18
End at: 2018-04-17 06:05:48
Local clock offset: -2.397 ms
Remote clock offset: -5.181 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 9.553 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 9.553 ms
Loss rate: 0.87%
```

## Run 4: Report of LEDBAT — Data Link

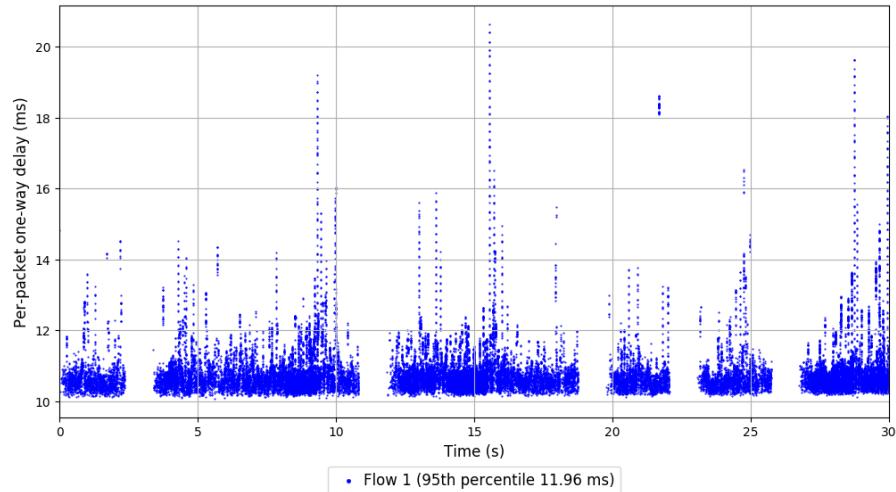
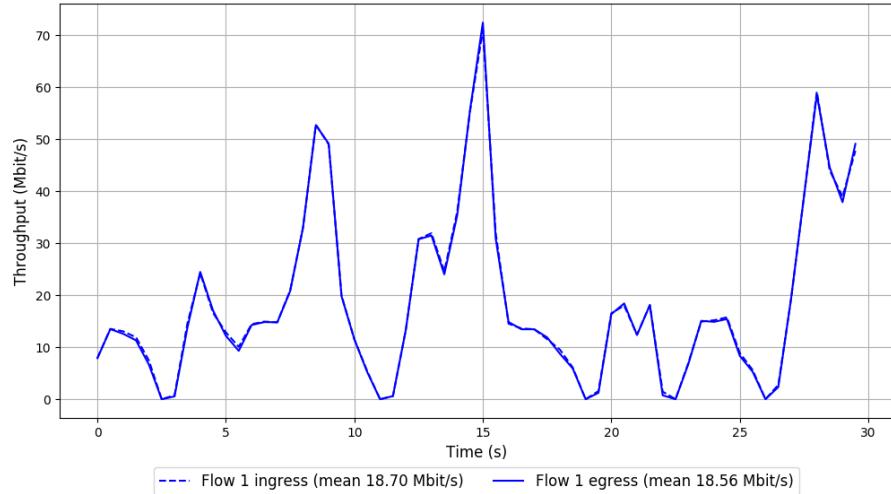


Run 5: Statistics of LEDBAT

```
Start at: 2018-04-17 06:25:13
End at: 2018-04-17 06:25:43
Local clock offset: -4.984 ms
Remote clock offset: -5.425 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 11.957 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 11.957 ms
Loss rate: 0.77%
```

## Run 5: Report of LEDBAT — Data Link

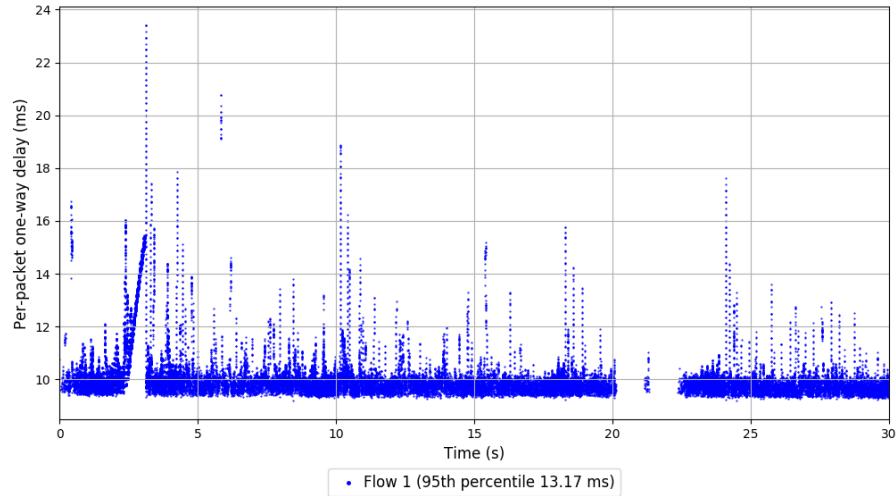
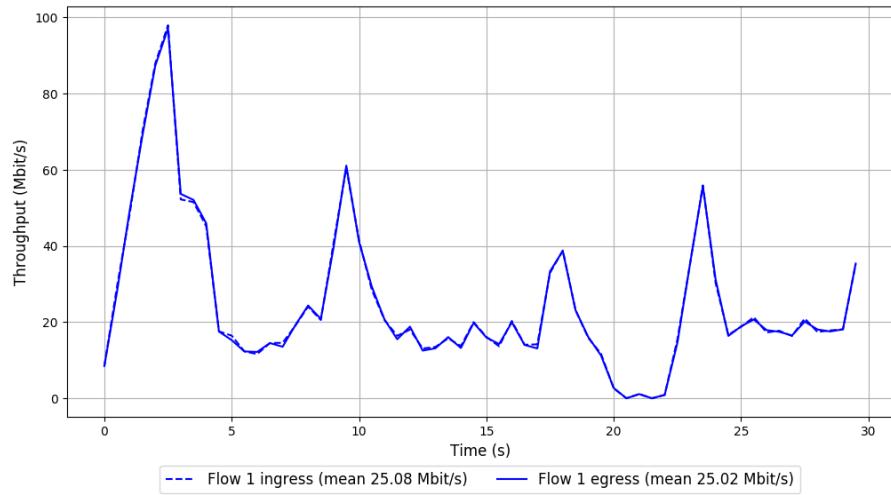


Run 6: Statistics of LEDBAT

```
Start at: 2018-04-17 06:45:07
End at: 2018-04-17 06:45:37
Local clock offset: -8.873 ms
Remote clock offset: -5.958 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 13.168 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 13.168 ms
Loss rate: 0.27%
```

## Run 6: Report of LEDBAT — Data Link

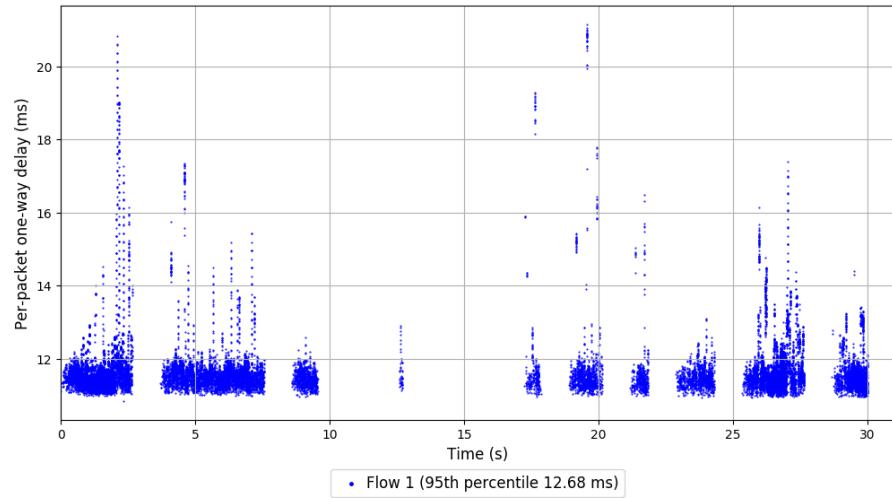
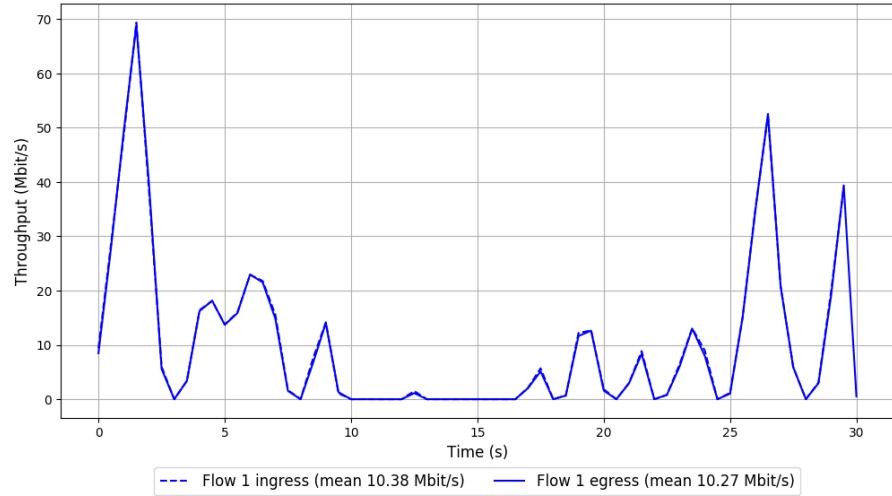


Run 7: Statistics of LEDBAT

```
Start at: 2018-04-17 07:04:53
End at: 2018-04-17 07:05:23
Local clock offset: -13.029 ms
Remote clock offset: -3.675 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 12.675 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 12.675 ms
Loss rate: 1.09%
```

## Run 7: Report of LEDBAT — Data Link

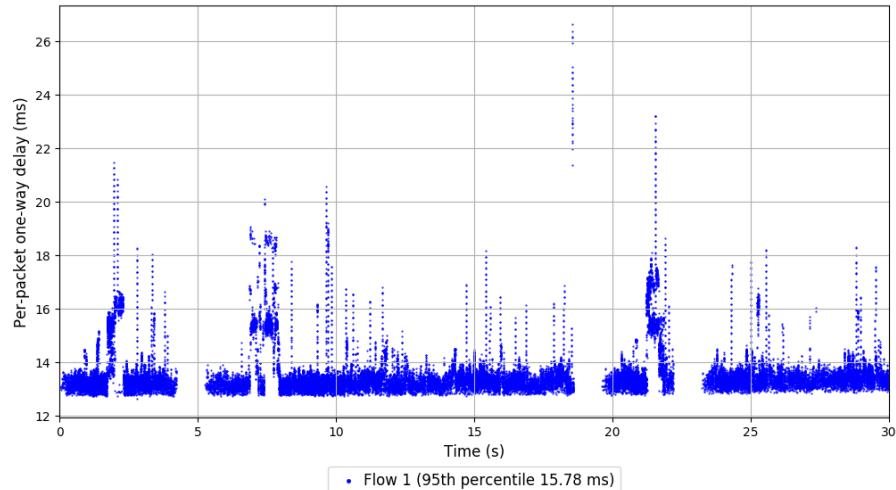
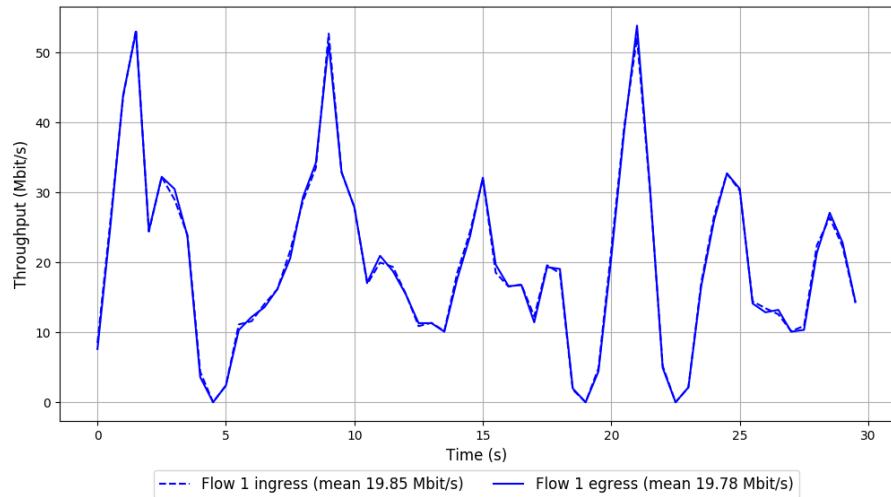


Run 8: Statistics of LEDBAT

```
Start at: 2018-04-17 07:24:58
End at: 2018-04-17 07:25:28
Local clock offset: -5.131 ms
Remote clock offset: -1.316 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 15.783 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 15.783 ms
Loss rate: 0.36%
```

Run 8: Report of LEDBAT — Data Link

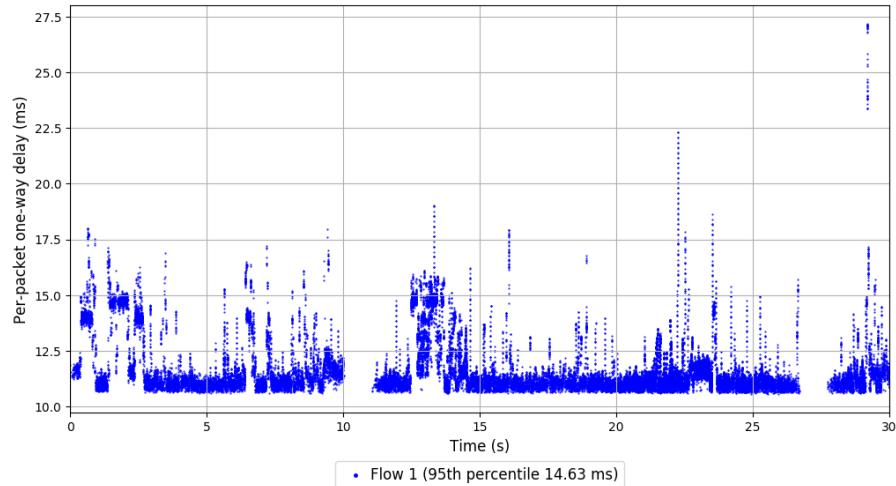
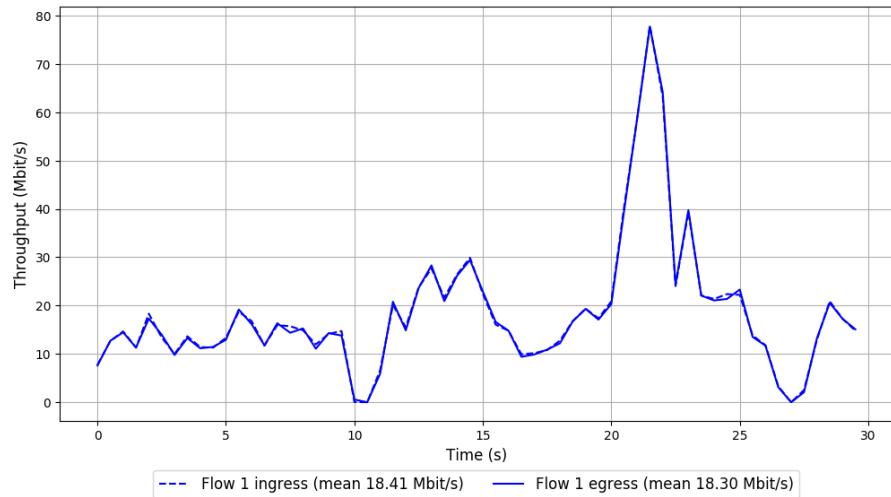


Run 9: Statistics of LEDBAT

```
Start at: 2018-04-17 07:44:35
End at: 2018-04-17 07:45:05
Local clock offset: -3.896 ms
Remote clock offset: -8.087 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.30 Mbit/s
95th percentile per-packet one-way delay: 14.631 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 18.30 Mbit/s
95th percentile per-packet one-way delay: 14.631 ms
Loss rate: 0.62%
```

Run 9: Report of LEDBAT — Data Link

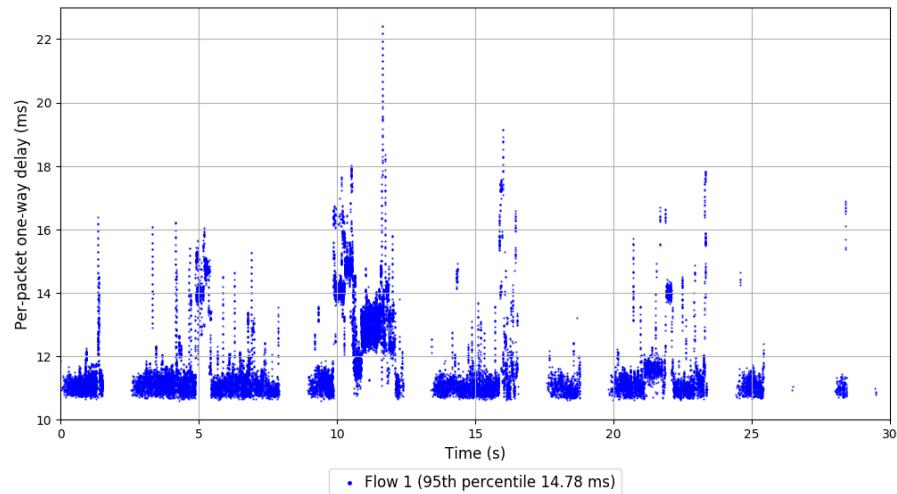
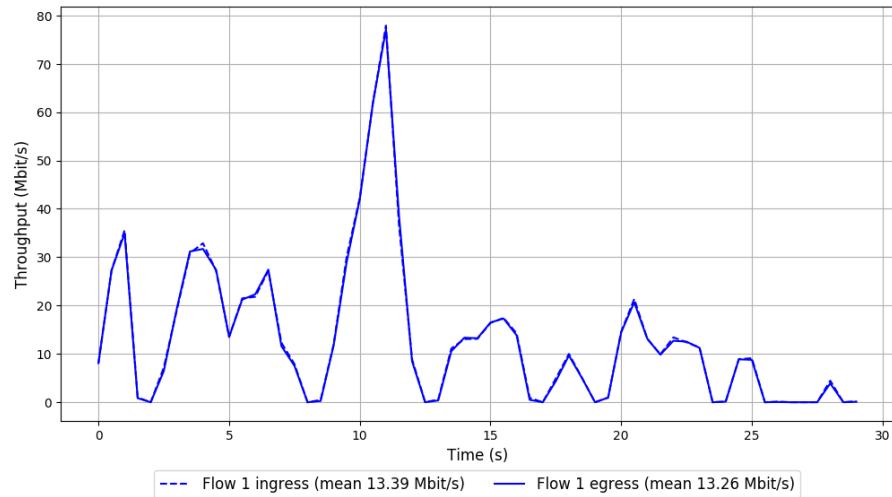


Run 10: Statistics of LEDBAT

```
Start at: 2018-04-17 08:04:33
End at: 2018-04-17 08:05:03
Local clock offset: -6.082 ms
Remote clock offset: -9.448 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 14.776 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 14.776 ms
Loss rate: 1.05%
```

## Run 10: Report of LEDBAT — Data Link

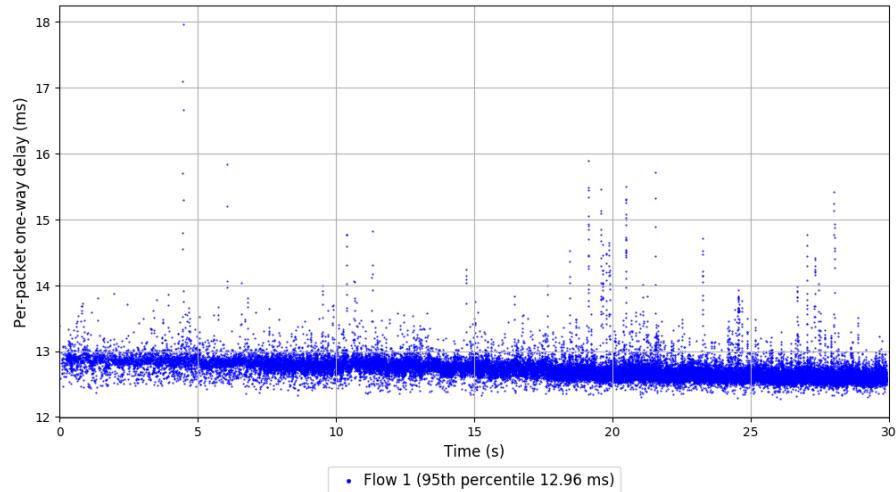
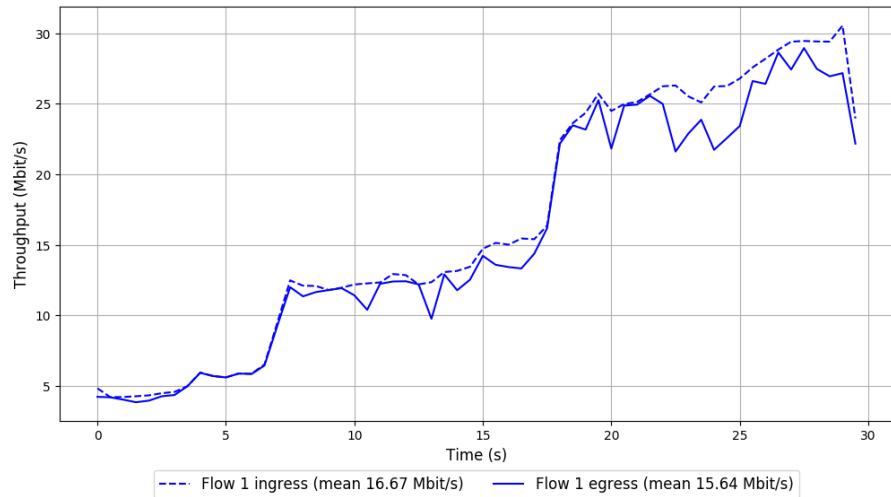


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-04-17 04:55:04
End at: 2018-04-17 04:55:34
Local clock offset: -7.724 ms
Remote clock offset: -8.561 ms

# Below is generated by plot.py at 2018-04-17 08:36:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 12.955 ms
Loss rate: 6.14%
-- Flow 1:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 12.955 ms
Loss rate: 6.14%
```

## Run 1: Report of PCC-Allegro — Data Link

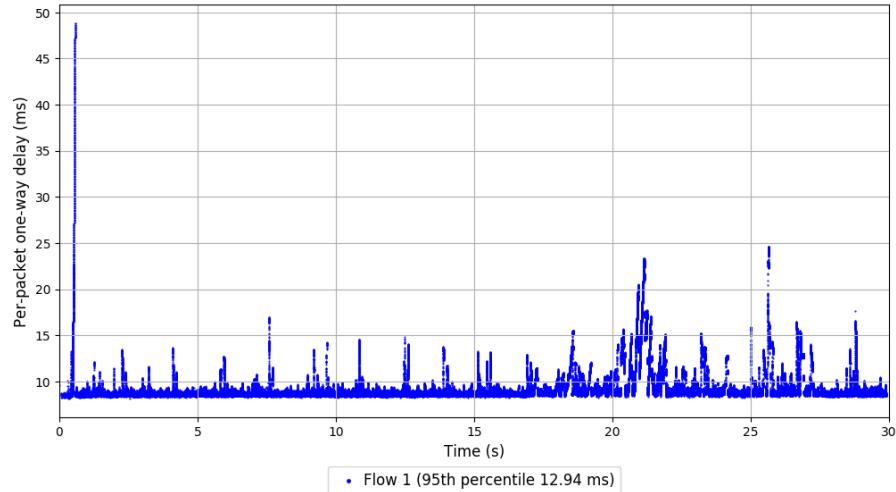
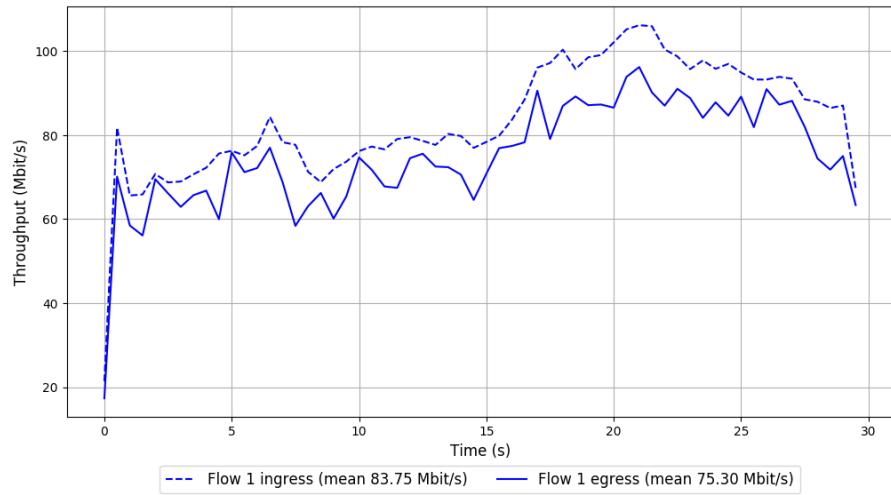


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-04-17 05:14:55
End at: 2018-04-17 05:15:25
Local clock offset: -7.038 ms
Remote clock offset: -8.937 ms

# Below is generated by plot.py at 2018-04-17 08:37:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 12.937 ms
Loss rate: 10.10%
-- Flow 1:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 12.937 ms
Loss rate: 10.10%
```

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

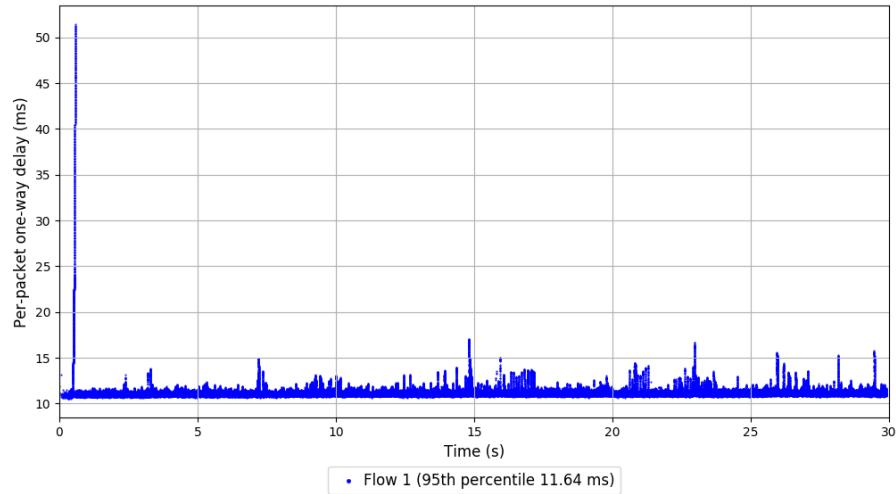
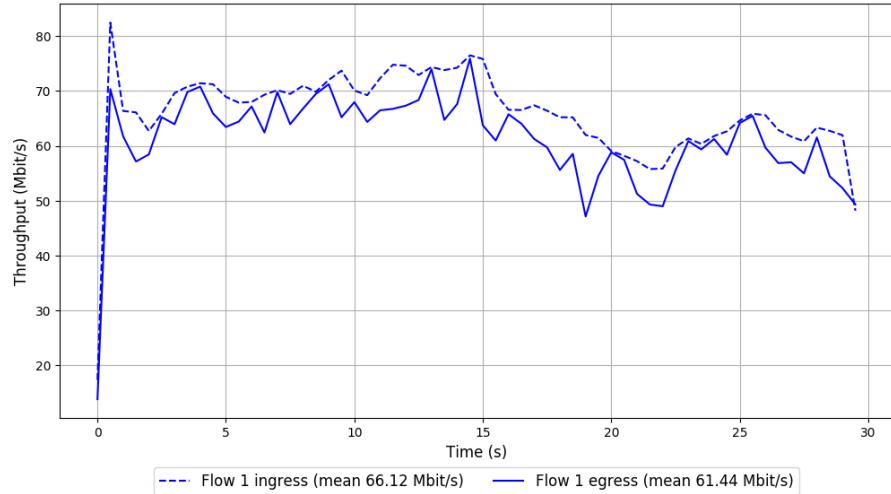


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-04-17 05:34:43
End at: 2018-04-17 05:35:13
Local clock offset: -4.782 ms
Remote clock offset: -8.82 ms

# Below is generated by plot.py at 2018-04-17 08:37:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.44 Mbit/s
95th percentile per-packet one-way delay: 11.637 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 61.44 Mbit/s
95th percentile per-packet one-way delay: 11.637 ms
Loss rate: 7.08%
```

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

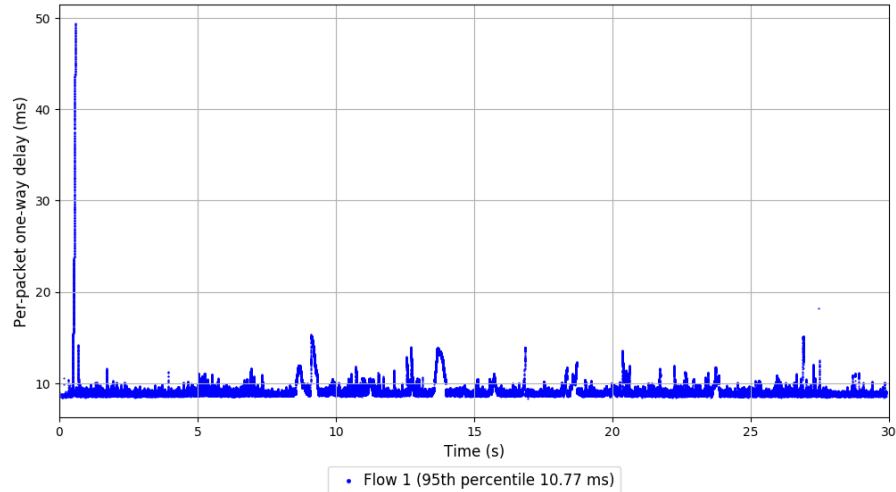
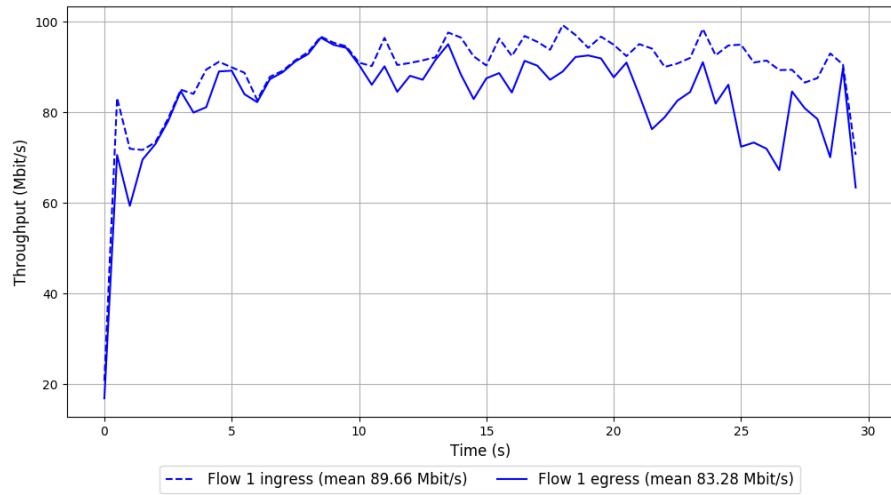


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-04-17 05:54:36
End at: 2018-04-17 05:55:06
Local clock offset: -0.897 ms
Remote clock offset: -6.224 ms

# Below is generated by plot.py at 2018-04-17 08:37:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.28 Mbit/s
95th percentile per-packet one-way delay: 10.773 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 83.28 Mbit/s
95th percentile per-packet one-way delay: 10.773 ms
Loss rate: 7.11%
```

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

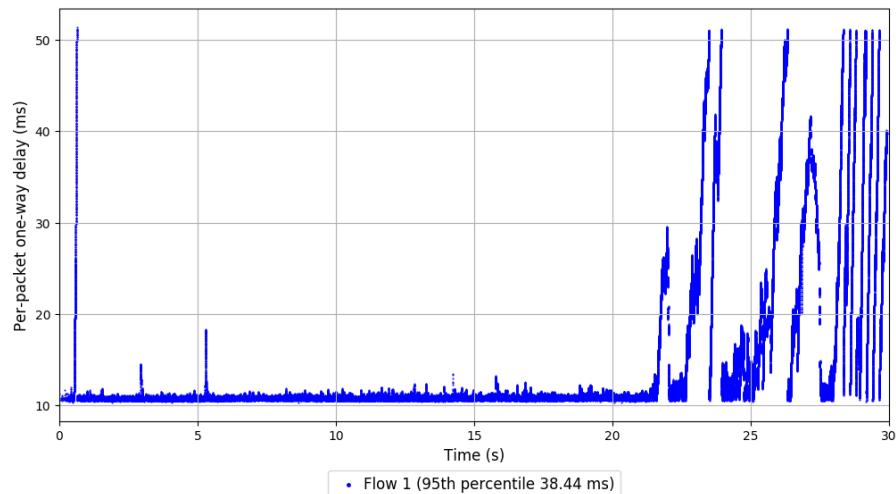
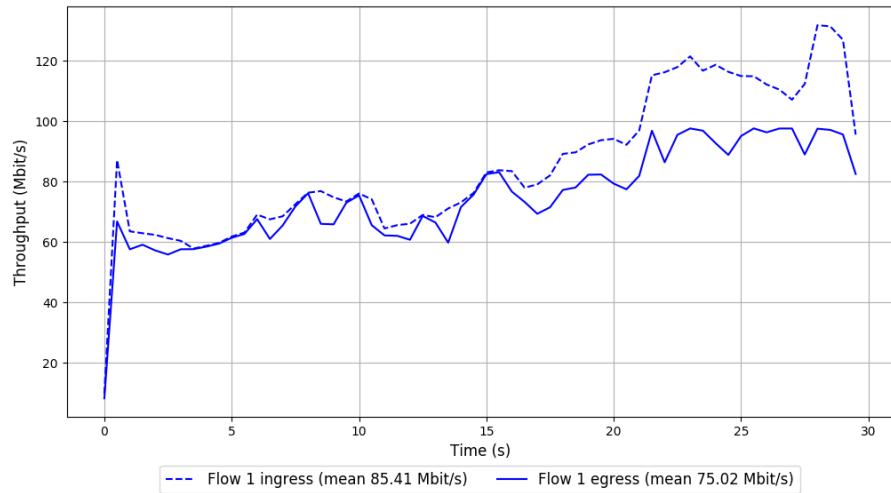


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-04-17 06:14:41
End at: 2018-04-17 06:15:11
Local clock offset: -3.454 ms
Remote clock offset: -3.537 ms

# Below is generated by plot.py at 2018-04-17 08:37:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 38.441 ms
Loss rate: 12.08%
-- Flow 1:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 38.441 ms
Loss rate: 12.08%
```

## Run 5: Report of PCC-Allegro — Data Link

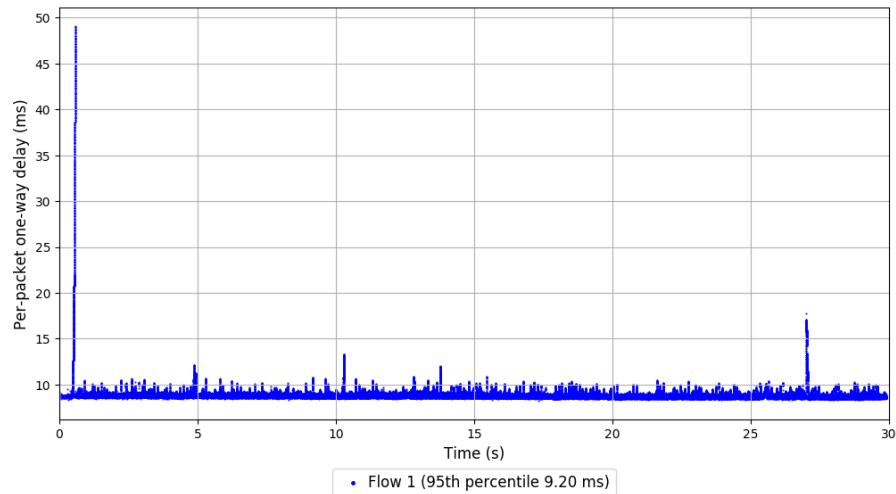
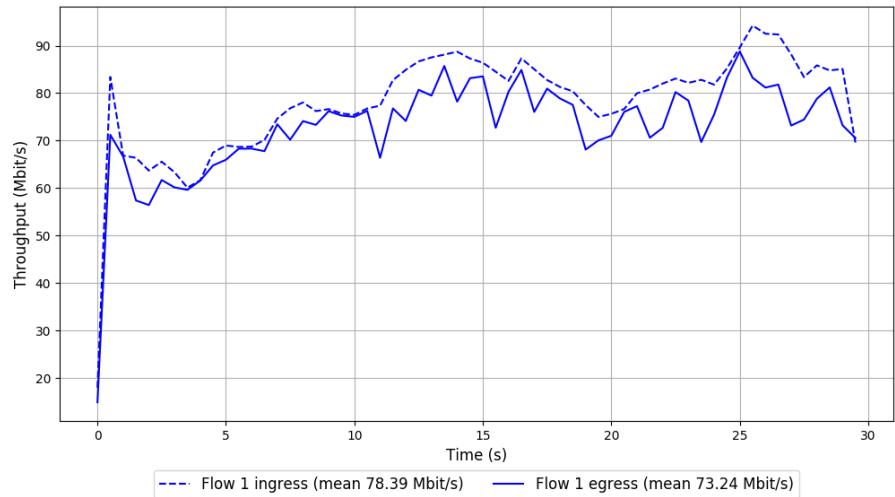


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-04-17 06:34:29
End at: 2018-04-17 06:34:59
Local clock offset: -5.704 ms
Remote clock offset: -7.739 ms

# Below is generated by plot.py at 2018-04-17 08:37:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 9.198 ms
Loss rate: 6.57%
-- Flow 1:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 9.198 ms
Loss rate: 6.57%
```

## Run 6: Report of PCC-Allegro — Data Link

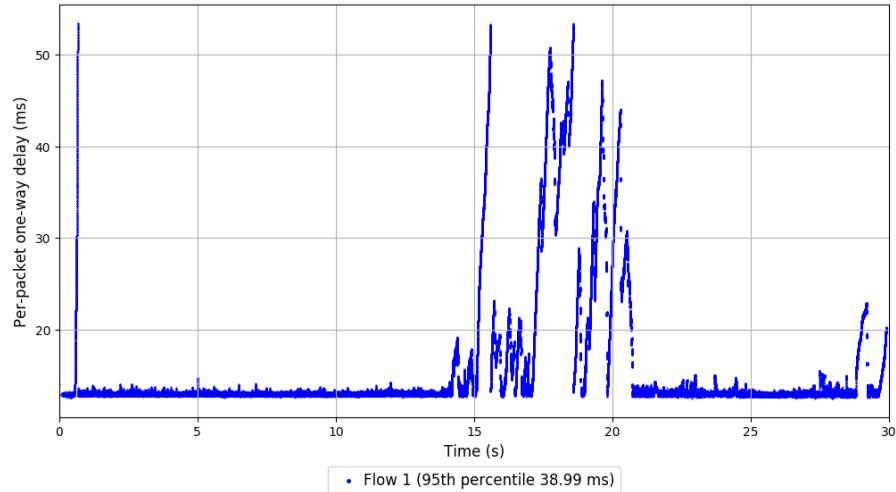
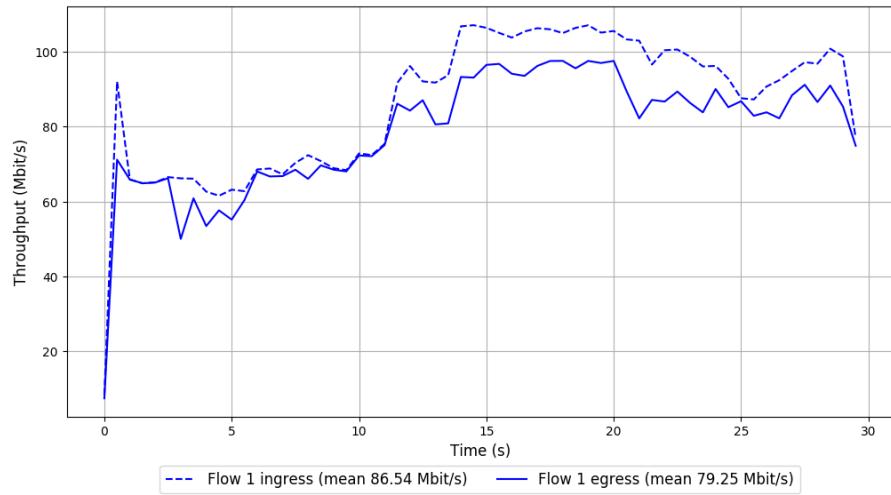


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-04-17 06:54:15
End at: 2018-04-17 06:54:45
Local clock offset: -11.579 ms
Remote clock offset: -4.259 ms

# Below is generated by plot.py at 2018-04-17 08:37:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 38.992 ms
Loss rate: 8.40%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 38.992 ms
Loss rate: 8.40%
```

## Run 7: Report of PCC-Allegro — Data Link

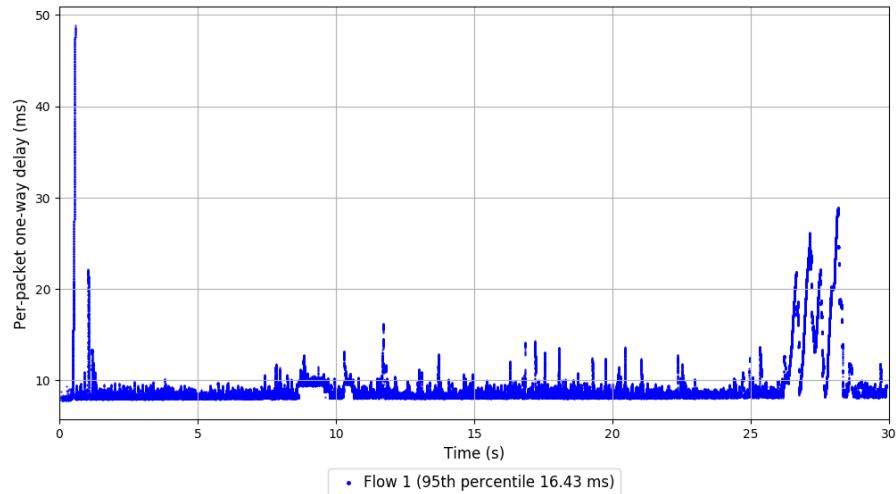
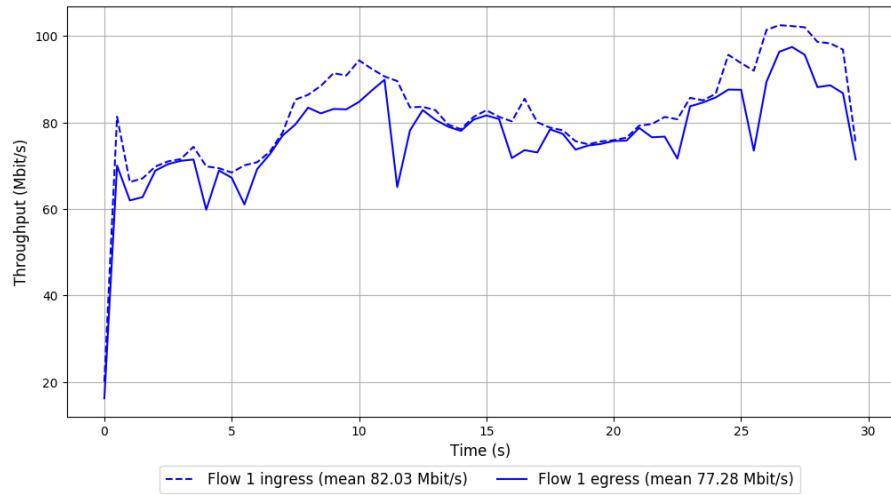


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-04-17 07:14:18
End at: 2018-04-17 07:14:48
Local clock offset: -8.168 ms
Remote clock offset: -6.082 ms

# Below is generated by plot.py at 2018-04-17 08:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 16.428 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 16.428 ms
Loss rate: 5.79%
```

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

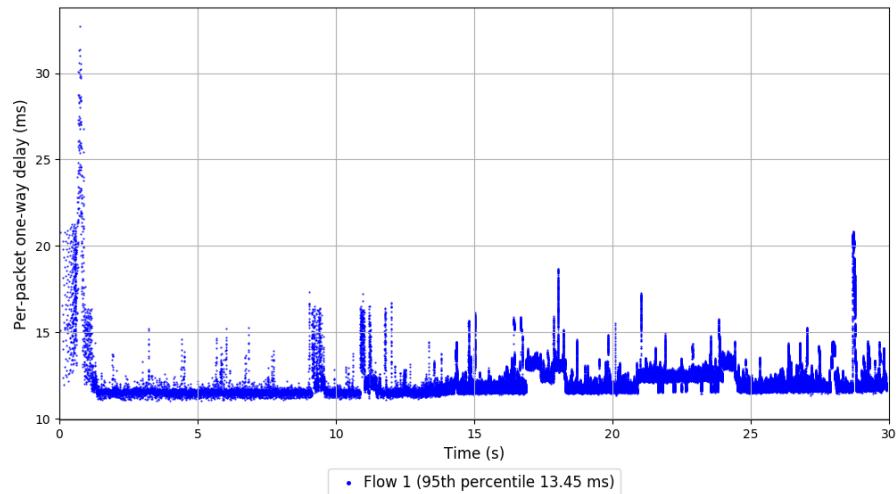
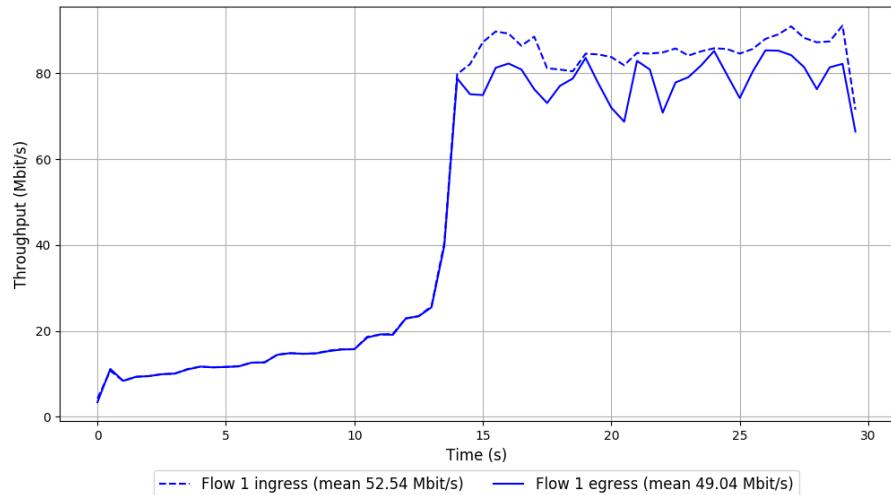


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-04-17 07:34:01
End at: 2018-04-17 07:34:31
Local clock offset: -3.829 ms
Remote clock offset: -6.266 ms

# Below is generated by plot.py at 2018-04-17 08:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 13.454 ms
Loss rate: 6.70%
-- Flow 1:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 13.454 ms
Loss rate: 6.70%
```

Run 9: Report of PCC-Allegro — Data Link

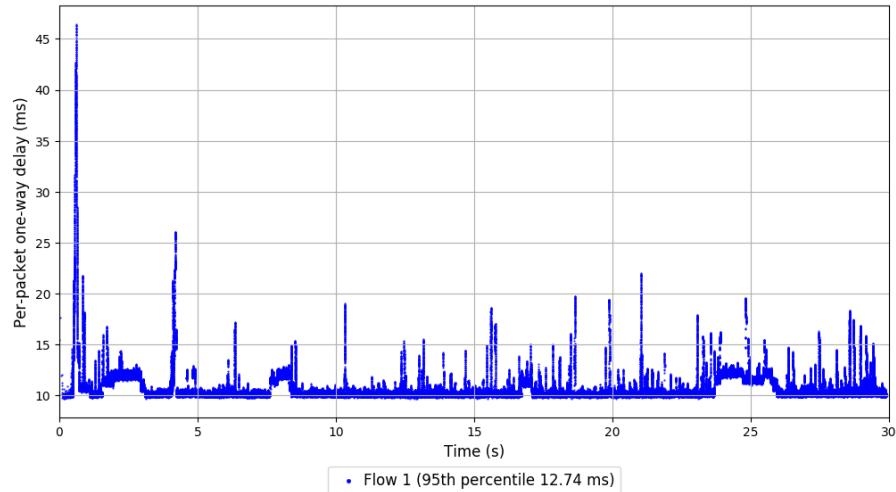
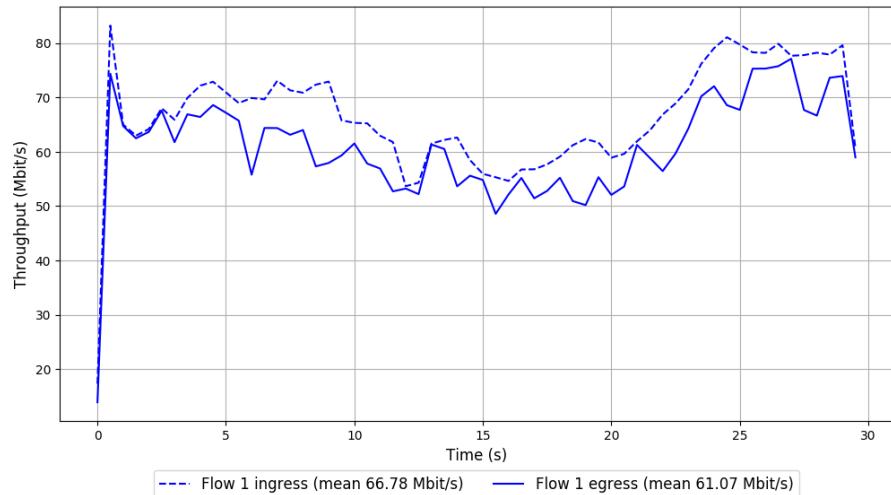


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-04-17 07:53:39
End at: 2018-04-17 07:54:09
Local clock offset: -4.293 ms
Remote clock offset: -8.936 ms

# Below is generated by plot.py at 2018-04-17 08:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 12.736 ms
Loss rate: 8.57%
-- Flow 1:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 12.736 ms
Loss rate: 8.57%
```

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

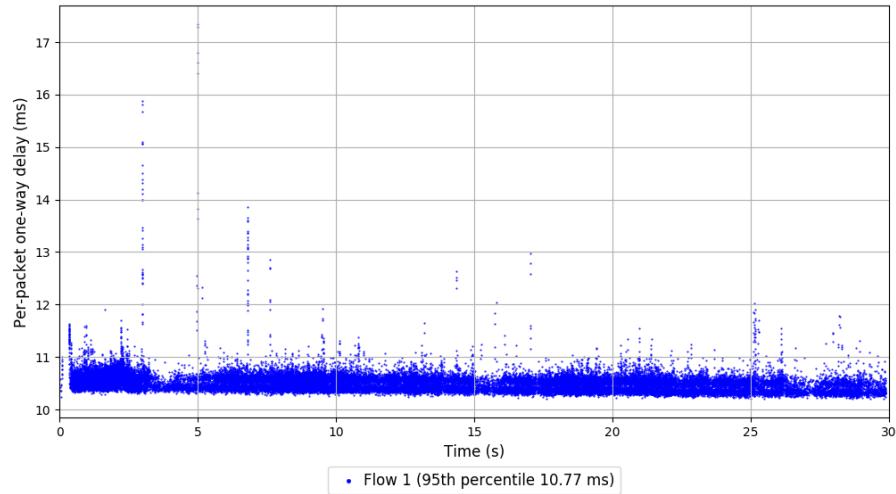
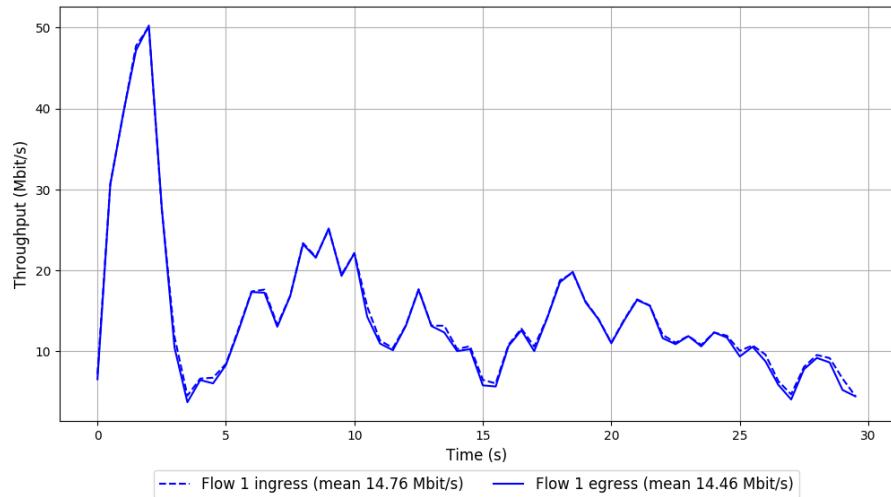


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-04-17 04:59:59
End at: 2018-04-17 05:00:29
Local clock offset: -6.166 ms
Remote clock offset: -7.936 ms

# Below is generated by plot.py at 2018-04-17 08:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 10.767 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 10.767 ms
Loss rate: 2.02%
```

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

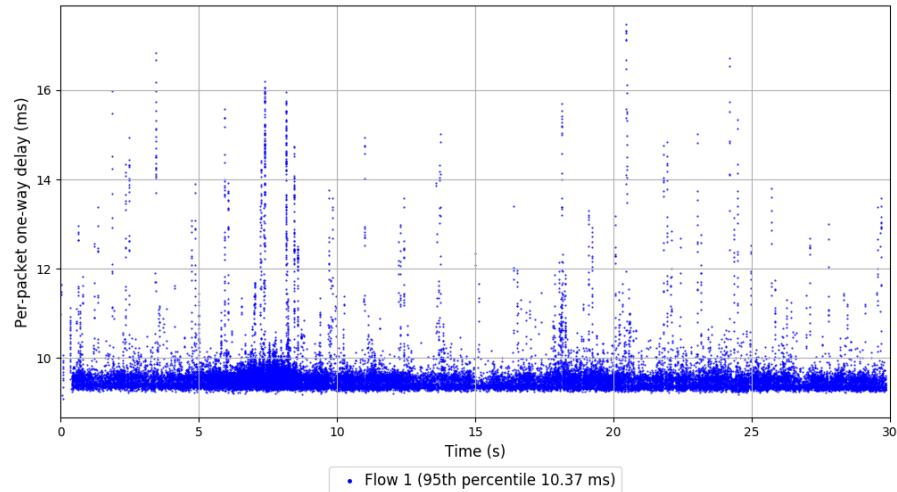
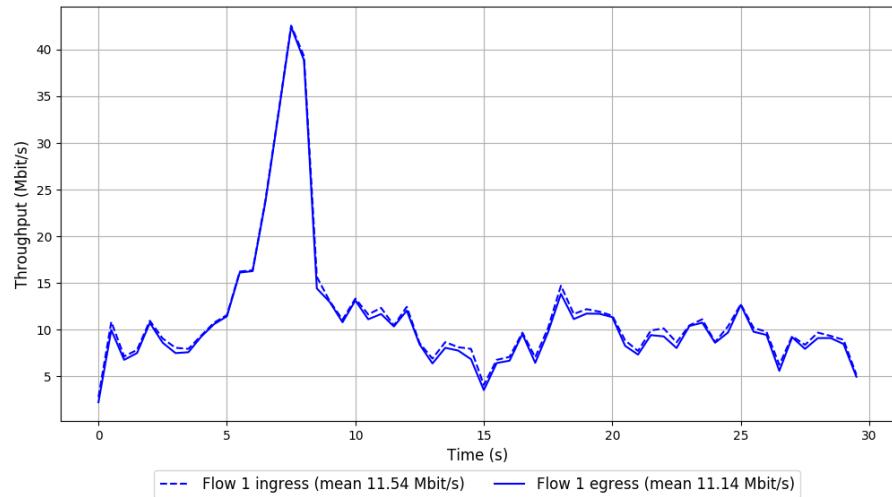


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-04-17 05:19:47
End at: 2018-04-17 05:20:17
Local clock offset: -7.951 ms
Remote clock offset: -8.711 ms

# Below is generated by plot.py at 2018-04-17 08:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 10.371 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 10.371 ms
Loss rate: 3.46%
```

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

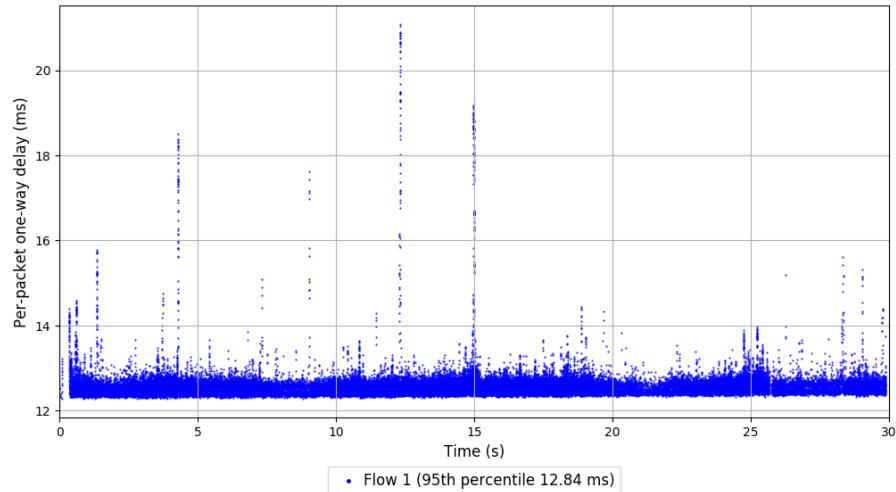
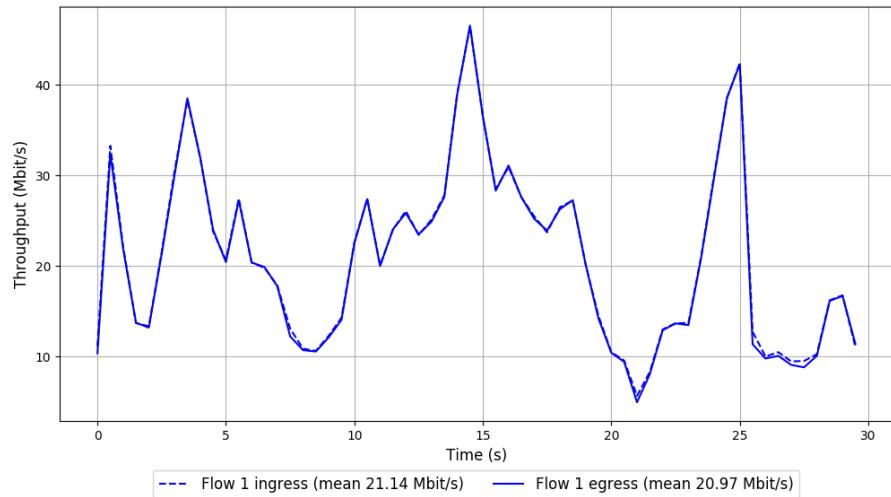


```
Run 3: Statistics of QUIC Cubic
```

```
Start at: 2018-04-17 05:39:41
End at: 2018-04-17 05:40:11
Local clock offset: -4.926 ms
Remote clock offset: -8.591 ms

# Below is generated by plot.py at 2018-04-17 08:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 12.844 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 12.844 ms
Loss rate: 0.82%
```

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

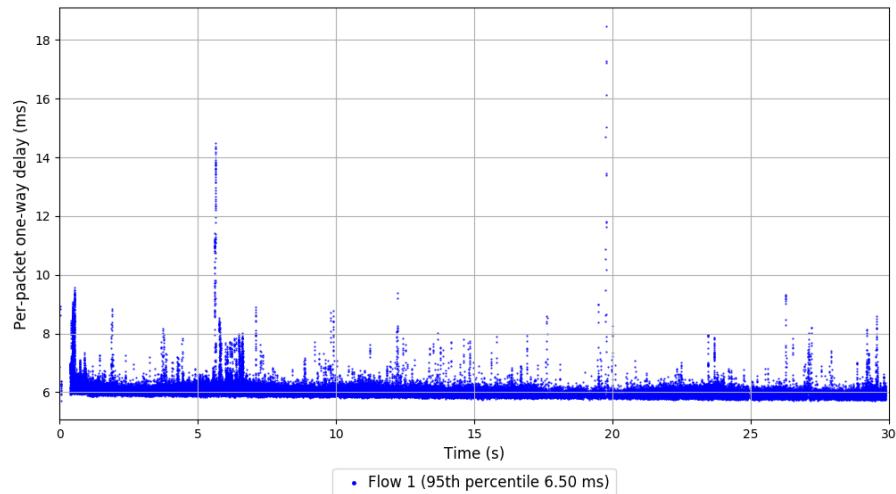
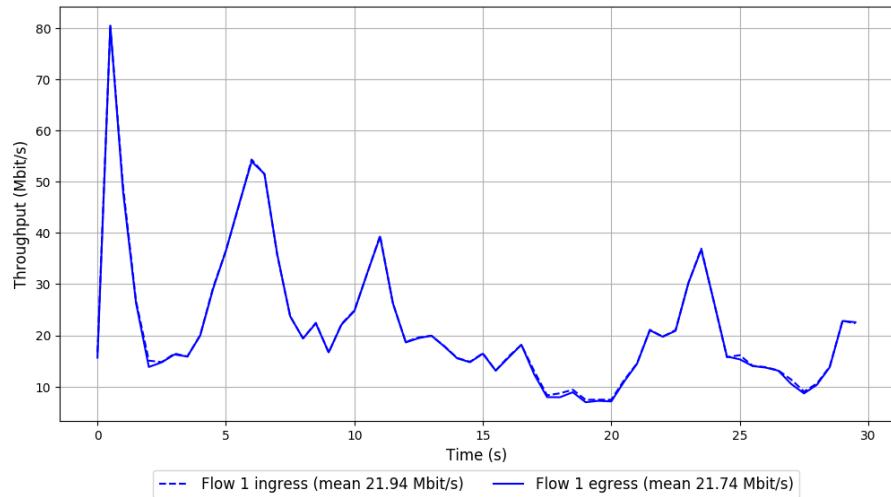


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-04-17 05:59:29
End at: 2018-04-17 05:59:59
Local clock offset: -1.078 ms
Remote clock offset: -7.997 ms

# Below is generated by plot.py at 2018-04-17 08:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 6.500 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 6.500 ms
Loss rate: 0.89%
```

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

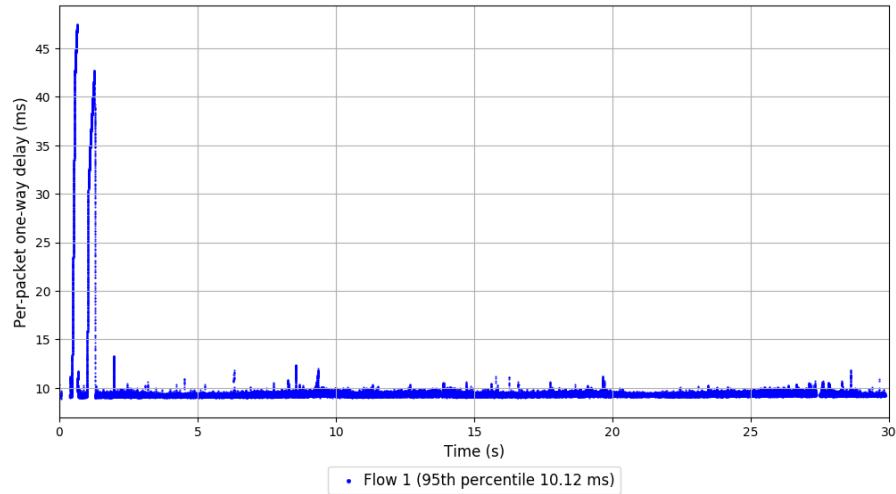
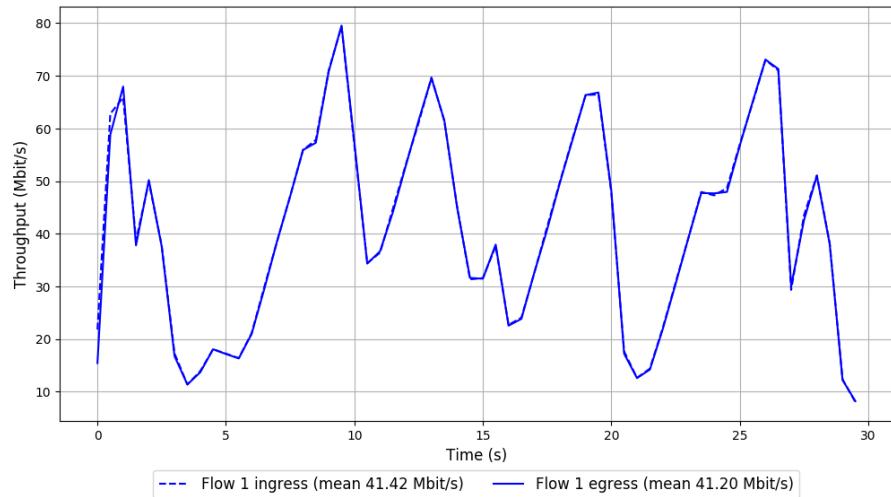


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-04-17 06:19:24
End at: 2018-04-17 06:19:54
Local clock offset: -3.224 ms
Remote clock offset: -5.07 ms

# Below is generated by plot.py at 2018-04-17 08:38:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 10.125 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 10.125 ms
Loss rate: 0.52%
```

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

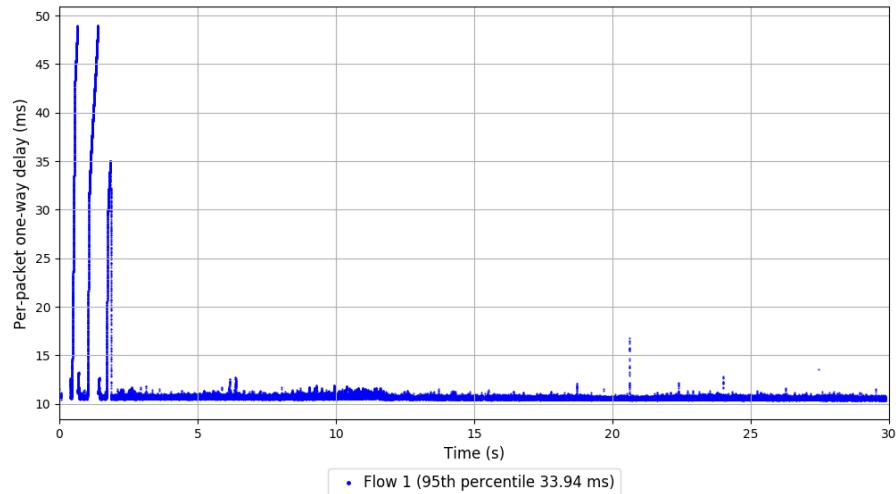
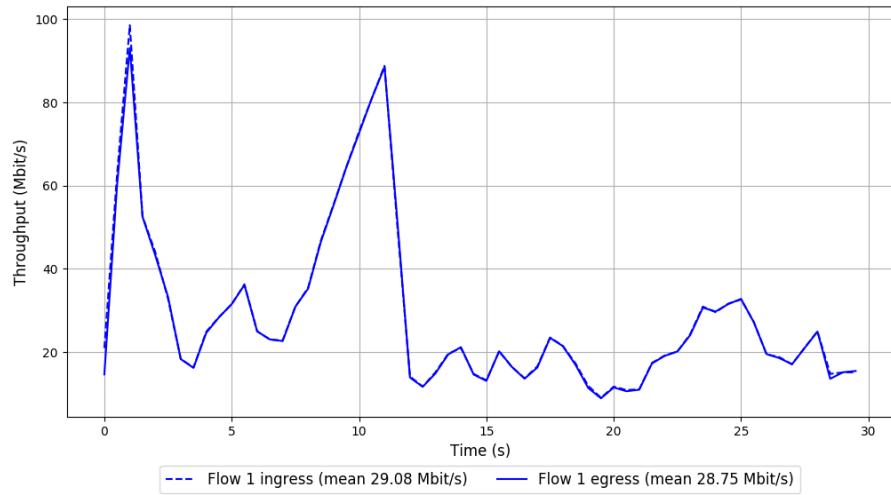


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-04-17 06:39:16
End at: 2018-04-17 06:39:46
Local clock offset: -6.999 ms
Remote clock offset: -5.37 ms

# Below is generated by plot.py at 2018-04-17 08:38:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 33.936 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 33.936 ms
Loss rate: 1.16%
```

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

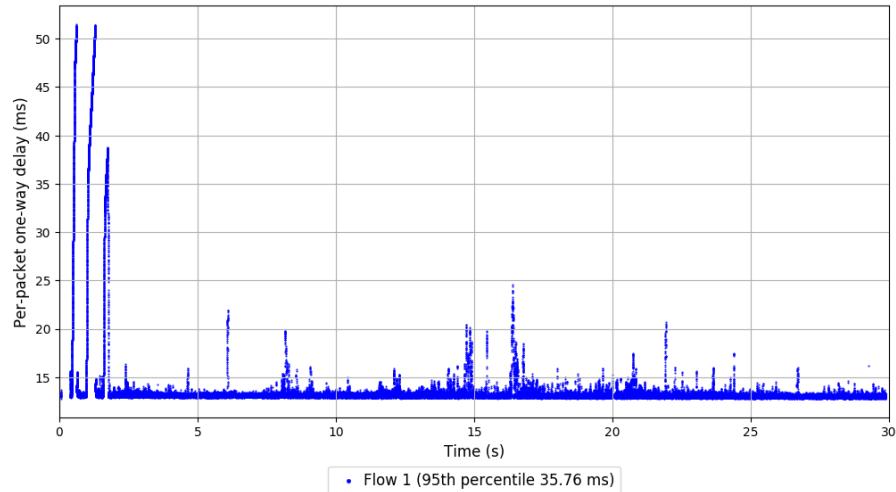
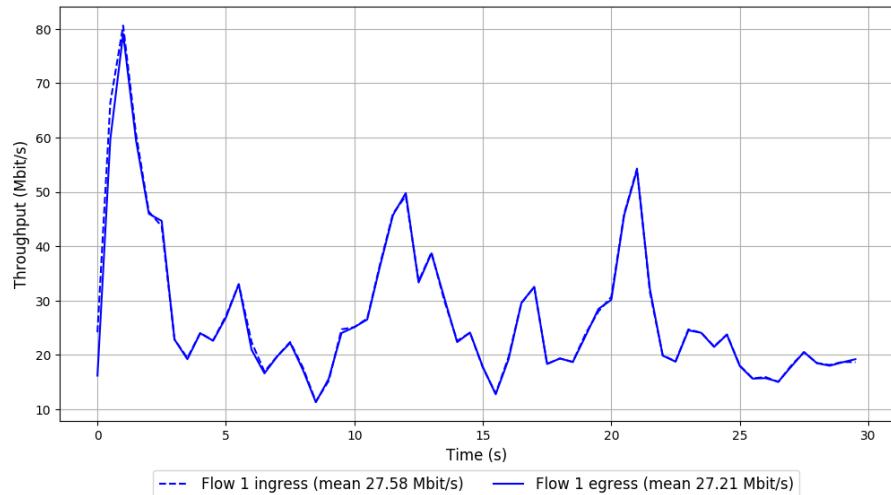


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-04-17 06:58:58
End at: 2018-04-17 06:59:28
Local clock offset: -12.906 ms
Remote clock offset: -2.95 ms

# Below is generated by plot.py at 2018-04-17 08:38:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.21 Mbit/s
95th percentile per-packet one-way delay: 35.758 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 27.21 Mbit/s
95th percentile per-packet one-way delay: 35.758 ms
Loss rate: 1.33%
```

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

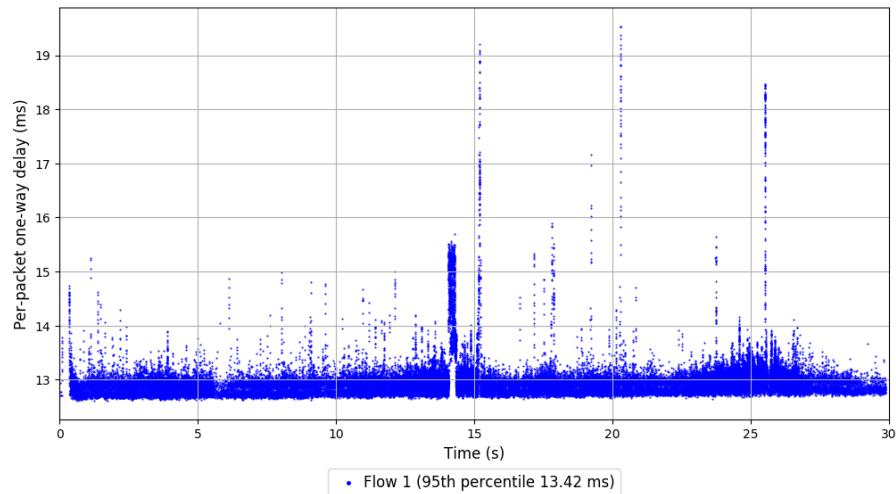
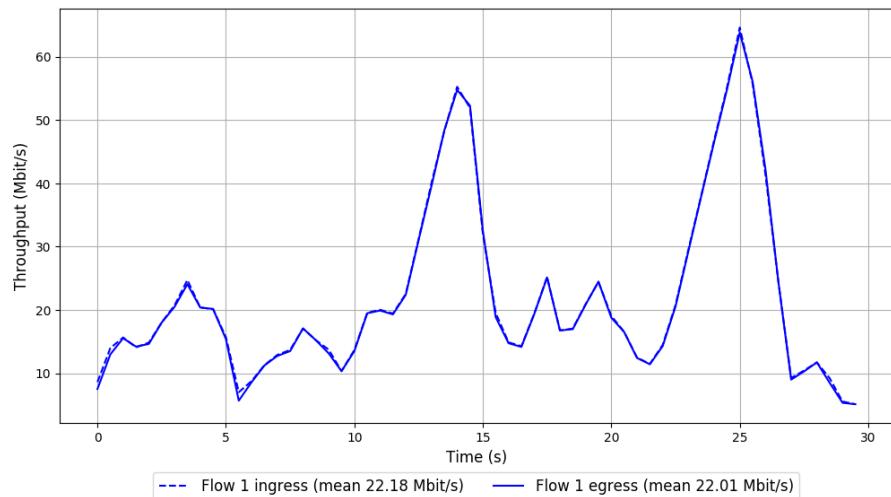


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-04-17 07:19:07
End at: 2018-04-17 07:19:37
Local clock offset: -7.245 ms
Remote clock offset: -2.568 ms

# Below is generated by plot.py at 2018-04-17 08:38:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 13.417 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 13.417 ms
Loss rate: 0.80%
```

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

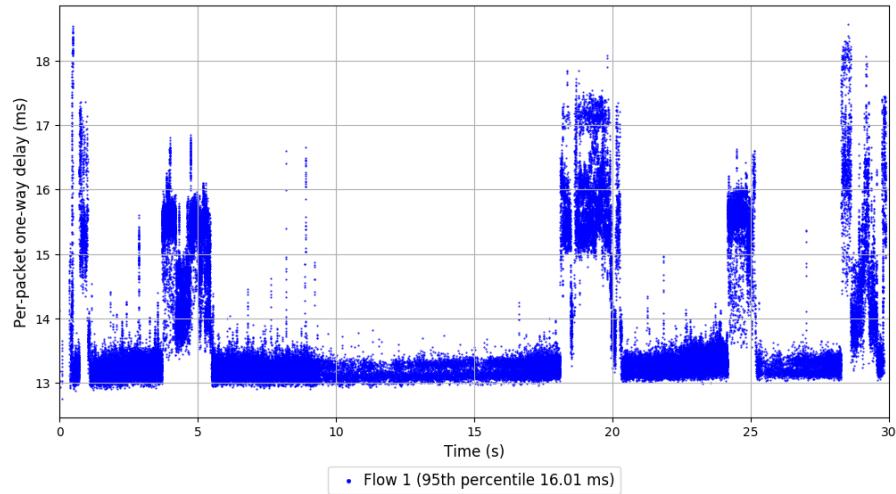
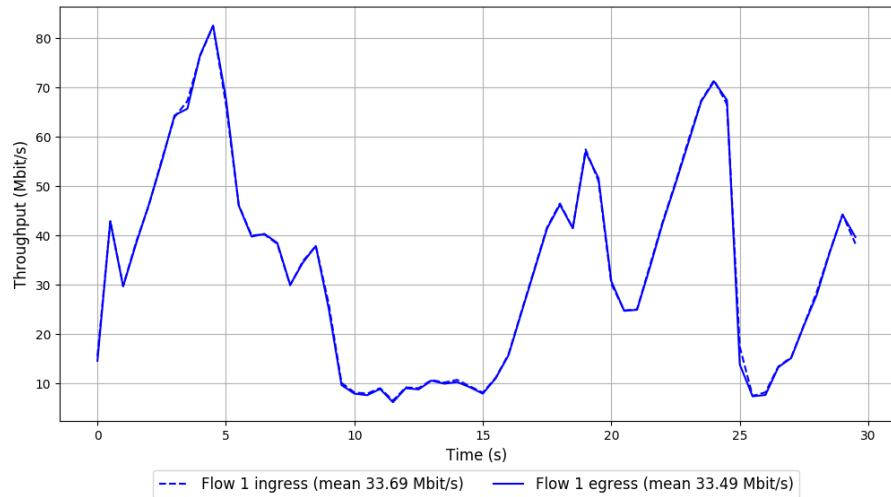


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-04-17 07:38:43
End at: 2018-04-17 07:39:13
Local clock offset: -3.509 ms
Remote clock offset: -6.701 ms

# Below is generated by plot.py at 2018-04-17 08:38:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 16.011 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 16.011 ms
Loss rate: 0.58%
```

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

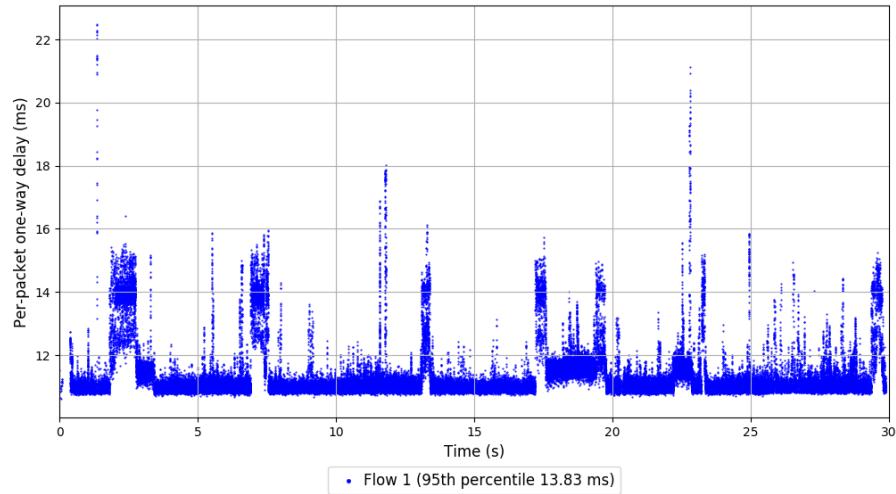
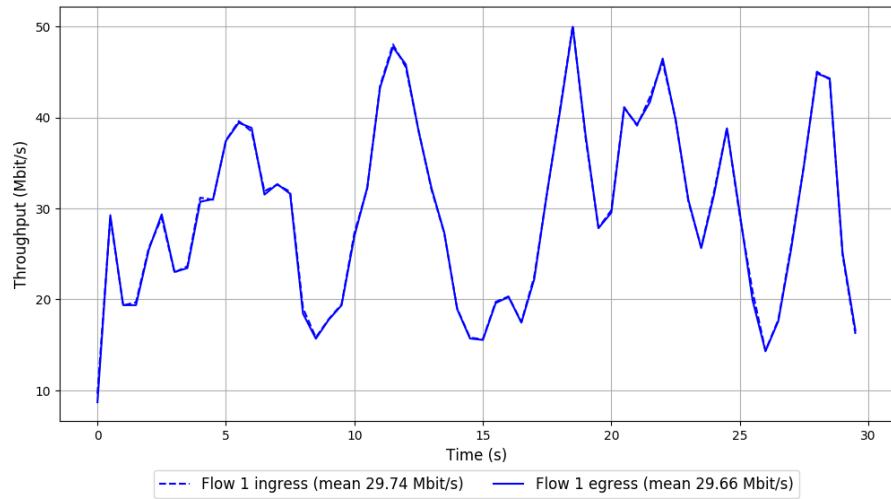


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-04-17 07:58:26
End at: 2018-04-17 07:58:56
Local clock offset: -6.635 ms
Remote clock offset: -10.334 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 13.830 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 13.830 ms
Loss rate: 0.29%
```

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

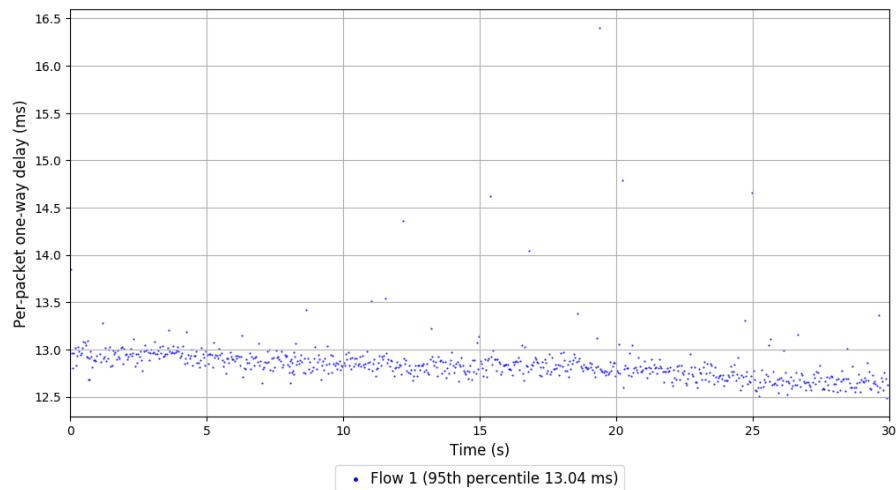
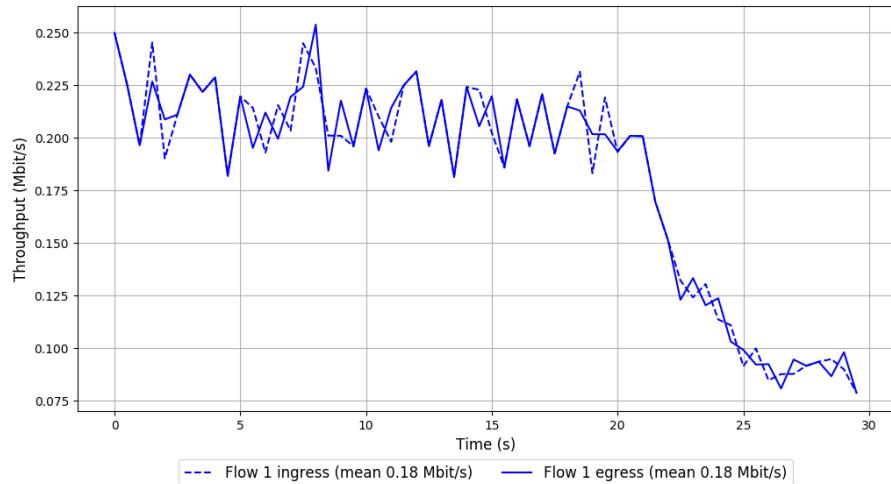


Run 1: Statistics of SCReAM

```
Start at: 2018-04-17 04:51:34
End at: 2018-04-17 04:52:04
Local clock offset: -6.286 ms
Remote clock offset: -8.355 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 13.038 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 13.038 ms
Loss rate: 0.16%
```

Run 1: Report of SCReAM — Data Link

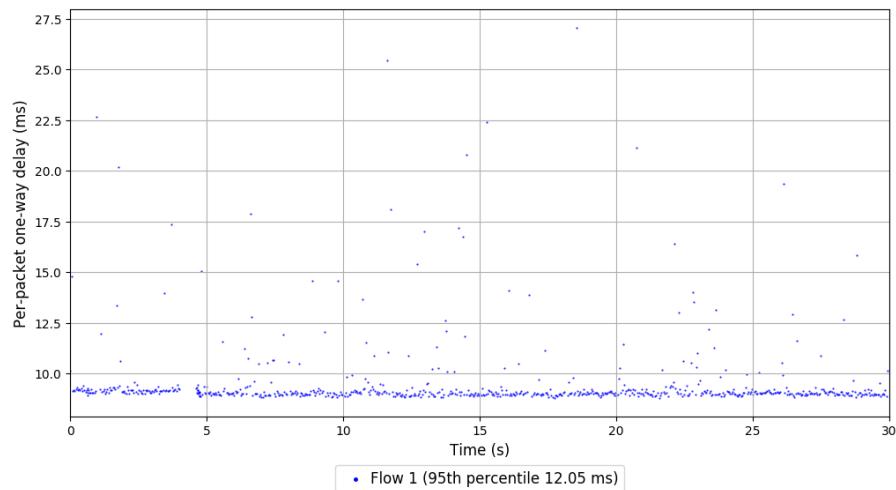
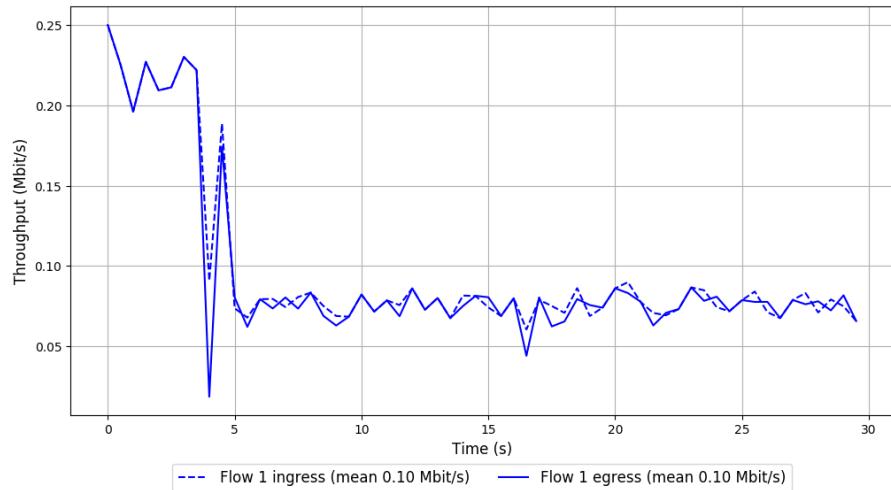


Run 2: Statistics of SCReAM

```
Start at: 2018-04-17 05:11:26
End at: 2018-04-17 05:11:56
Local clock offset: -6.903 ms
Remote clock offset: -8.14 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 12.051 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 12.051 ms
Loss rate: 2.69%
```

Run 2: Report of SCReAM — Data Link

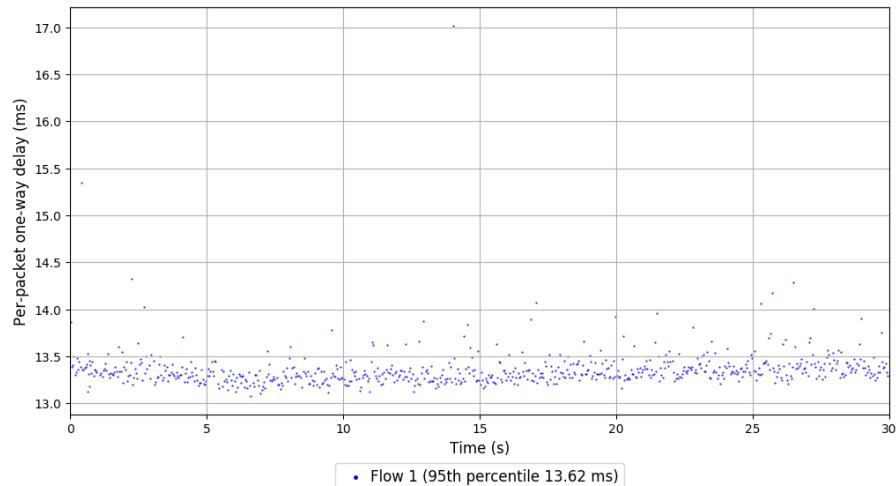
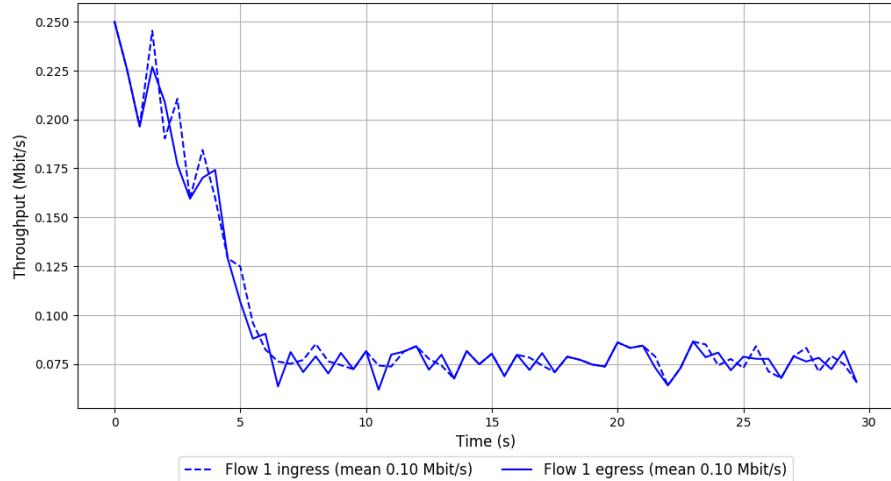


Run 3: Statistics of SCReAM

```
Start at: 2018-04-17 05:31:12
End at: 2018-04-17 05:31:42
Local clock offset: -7.305 ms
Remote clock offset: -8.568 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 13.625 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 13.625 ms
Loss rate: 1.41%
```

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

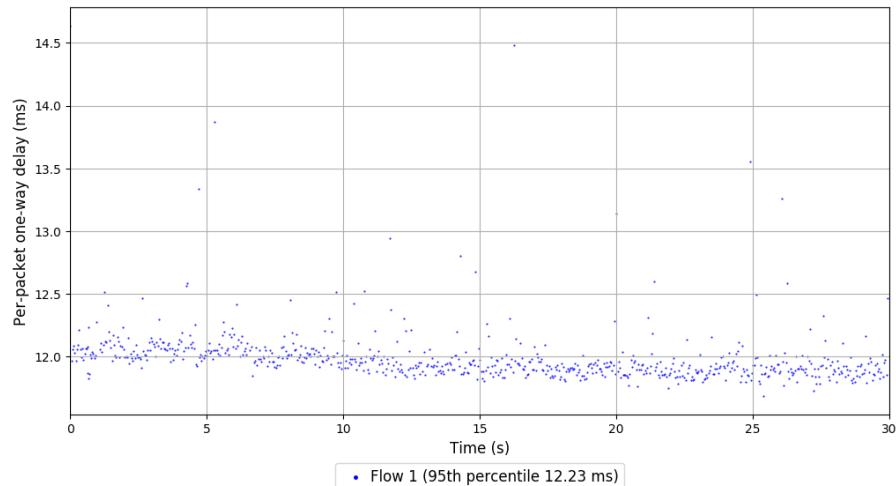
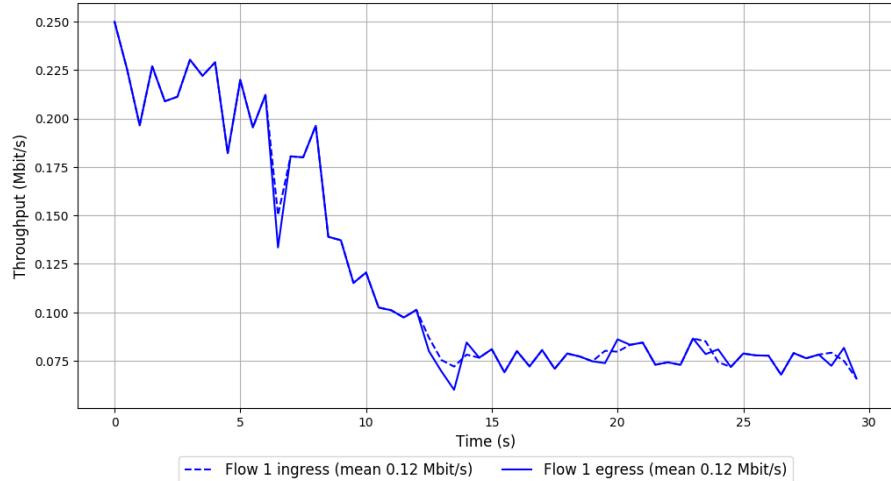


Run 4: Statistics of SCReAM

```
Start at: 2018-04-17 05:51:10
End at: 2018-04-17 05:51:40
Local clock offset: -3.927 ms
Remote clock offset: -6.794 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 12.235 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 12.235 ms
Loss rate: 0.49%
```

## Run 4: Report of SCReAM — Data Link

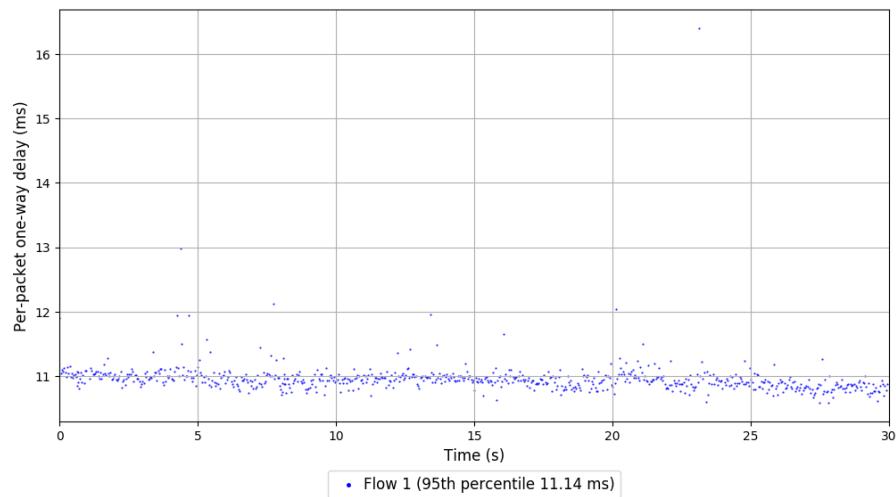
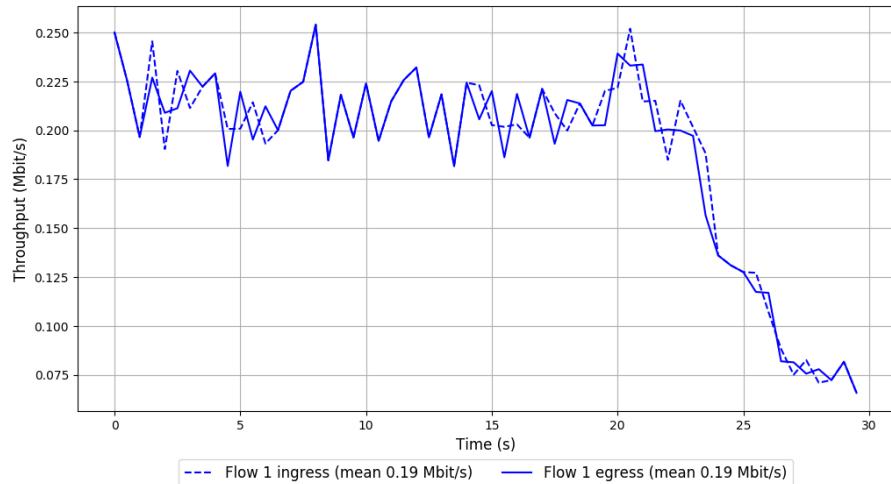


Run 5: Statistics of SCReAM

```
Start at: 2018-04-17 06:11:03
End at: 2018-04-17 06:11:33
Local clock offset: -3.219 ms
Remote clock offset: -3.467 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 11.136 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 11.136 ms
Loss rate: 0.45%
```

Run 5: Report of SCReAM — Data Link

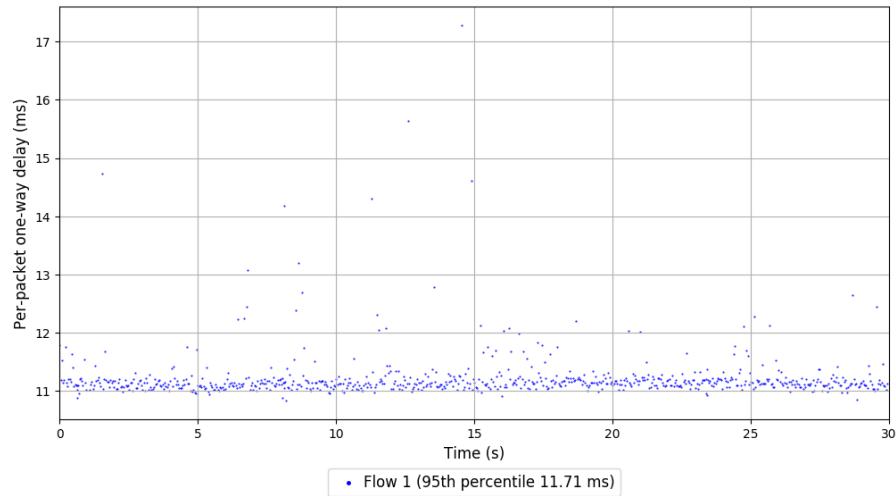
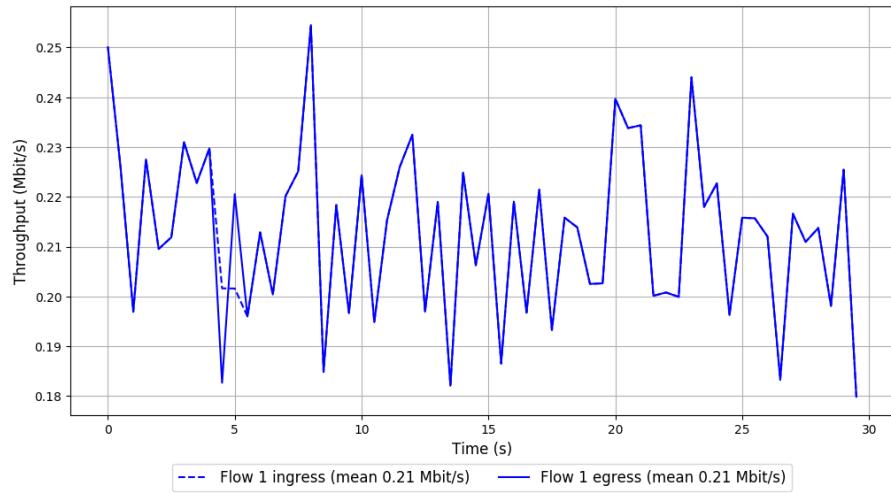


Run 6: Statistics of SCReAM

```
Start at: 2018-04-17 06:30:58
End at: 2018-04-17 06:31:28
Local clock offset: -6.241 ms
Remote clock offset: -6.22 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.713 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

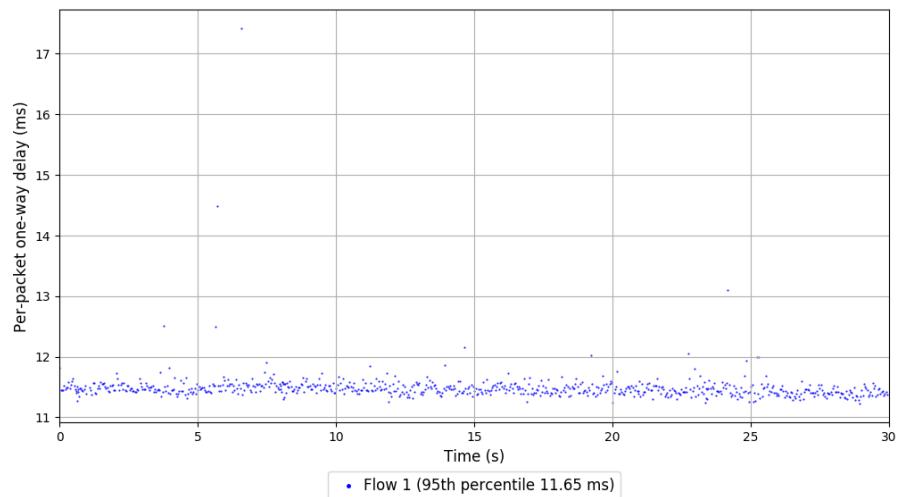
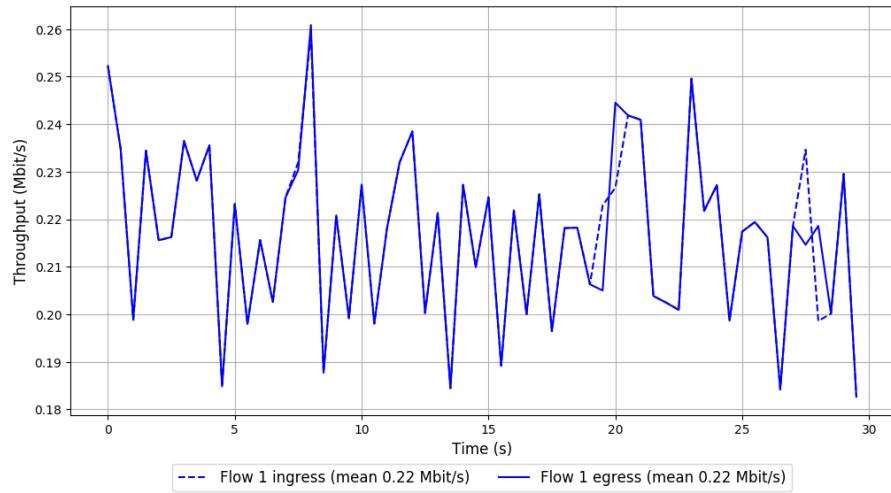


Run 7: Statistics of SCReAM

```
Start at: 2018-04-17 06:50:46
End at: 2018-04-17 06:51:16
Local clock offset: -9.557 ms
Remote clock offset: -4.879 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.650 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

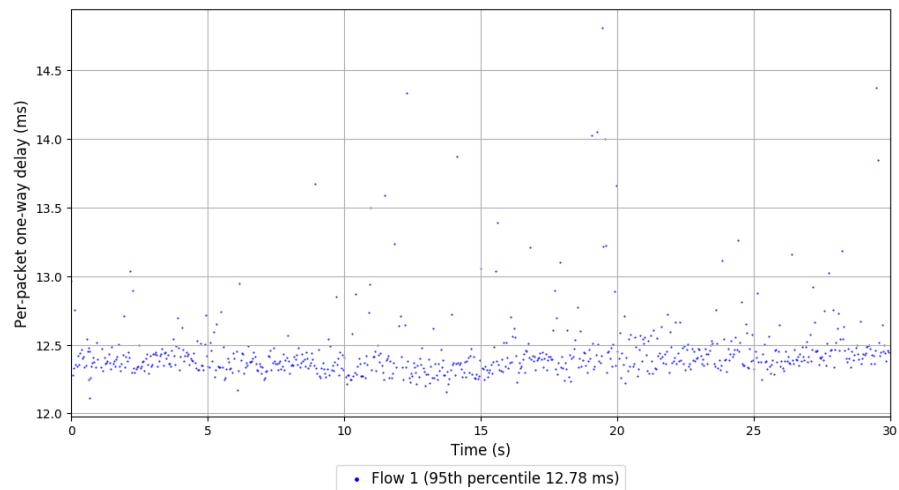
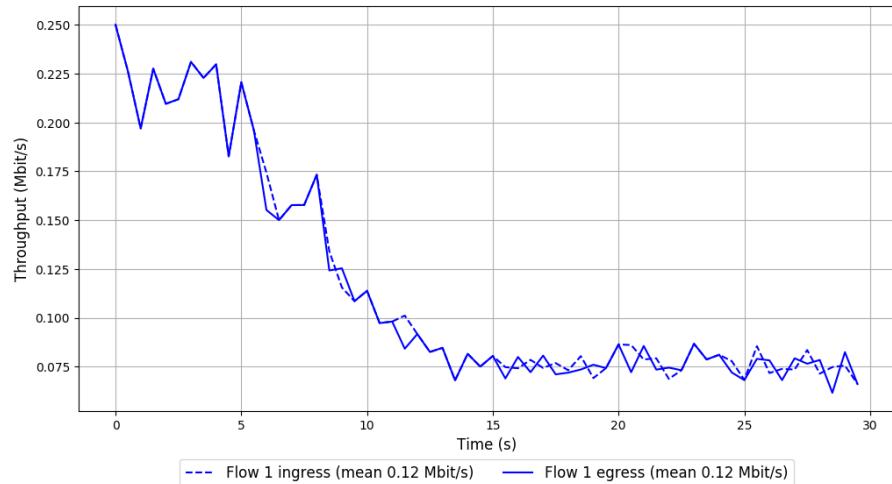


Run 8: Statistics of SCReAM

```
Start at: 2018-04-17 07:10:45
End at: 2018-04-17 07:11:15
Local clock offset: -9.71 ms
Remote clock offset: -2.035 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 12.775 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 12.775 ms
Loss rate: 0.89%
```

## Run 8: Report of SCReAM — Data Link

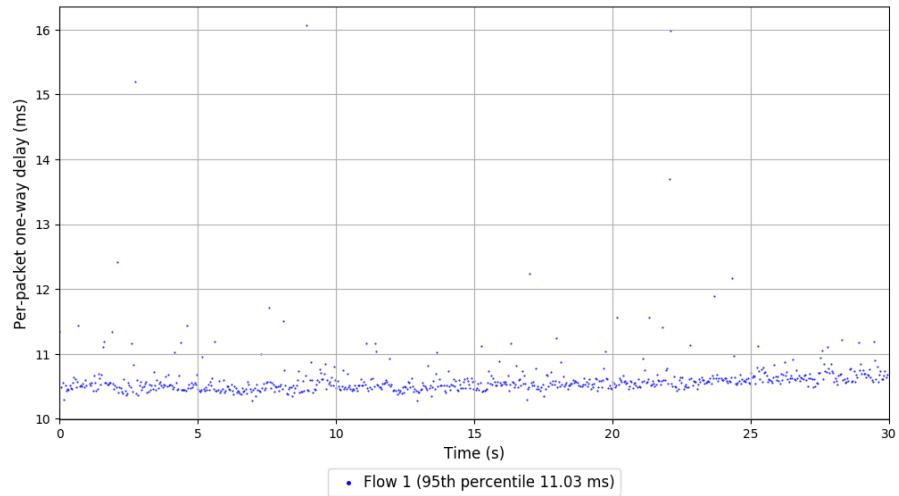
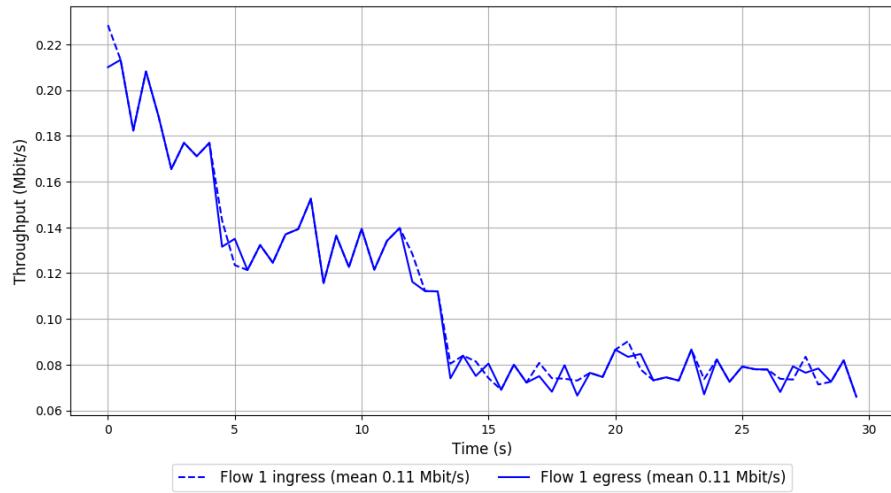


Run 9: Statistics of SCReAM

```
Start at: 2018-04-17 07:30:35
End at: 2018-04-17 07:31:05
Local clock offset: -3.276 ms
Remote clock offset: -4.692 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 11.028 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 11.028 ms
Loss rate: 0.85%
```

Run 9: Report of SCReAM — Data Link

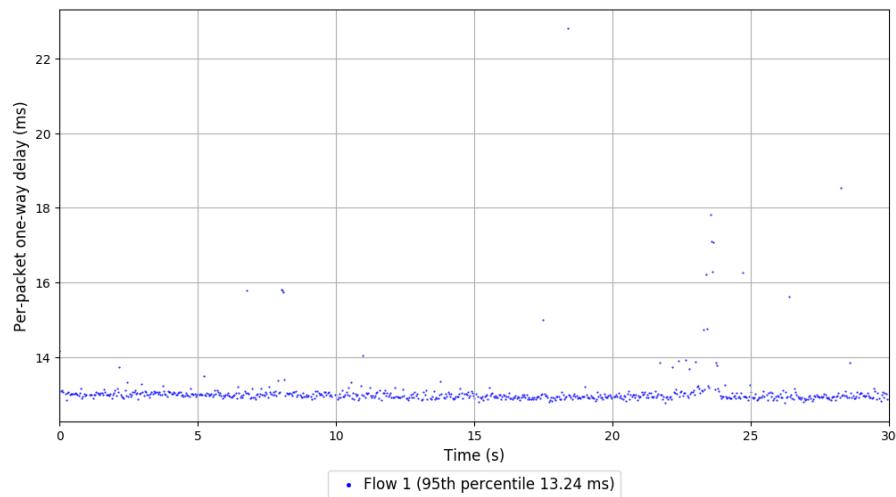
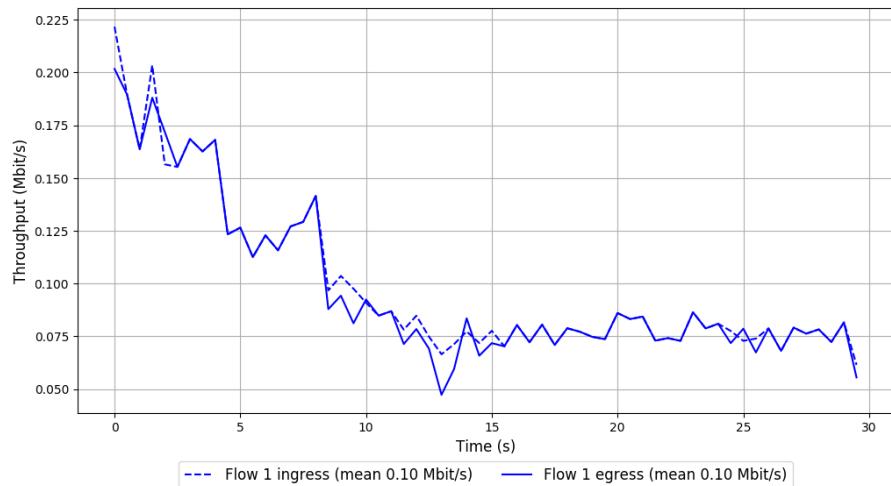


Run 10: Statistics of SCReAM

```
Start at: 2018-04-17 07:50:12
End at: 2018-04-17 07:50:42
Local clock offset: -6.134 ms
Remote clock offset: -8.588 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 13.245 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 13.245 ms
Loss rate: 2.03%
```

## Run 10: Report of SCReAM — Data Link

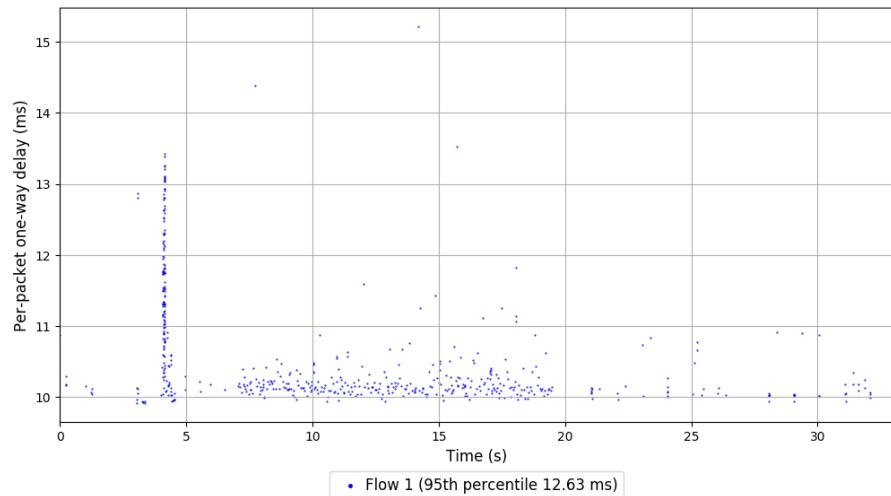
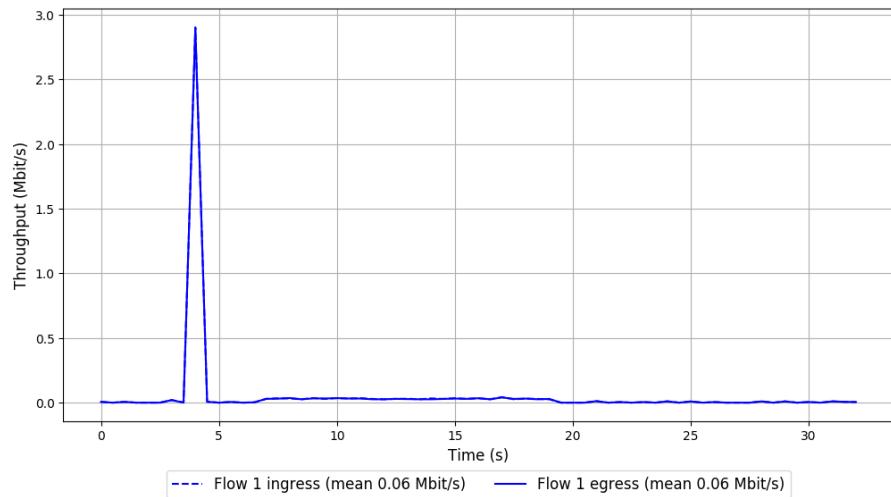


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 04:58:54
End at: 2018-04-17 04:59:24
Local clock offset: -5.349 ms
Remote clock offset: -7.082 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.628 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.628 ms
Loss rate: 0.46%
```

Run 1: Report of WebRTC media — Data Link

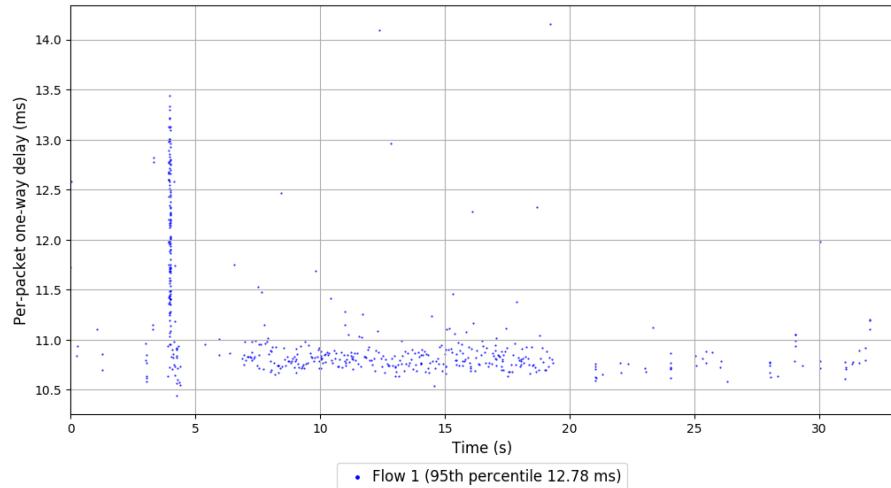
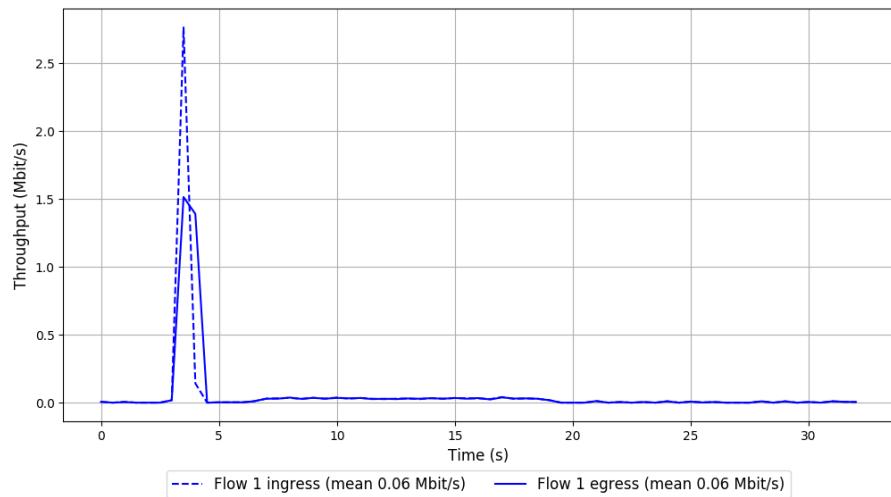


Run 2: Statistics of WebRTC media

```
Start at: 2018-04-17 05:18:42
End at: 2018-04-17 05:19:12
Local clock offset: -9.302 ms
Remote clock offset: -8.655 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.777 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.777 ms
Loss rate: 0.15%
```

Run 2: Report of WebRTC media — Data Link

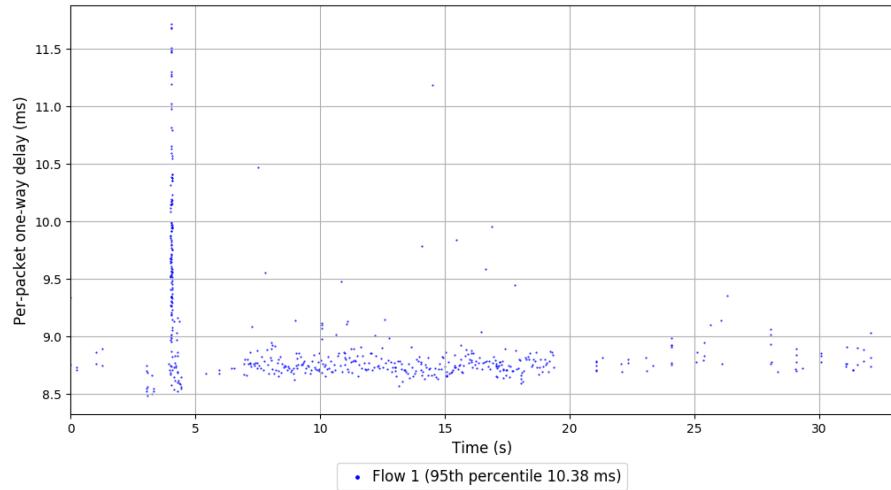
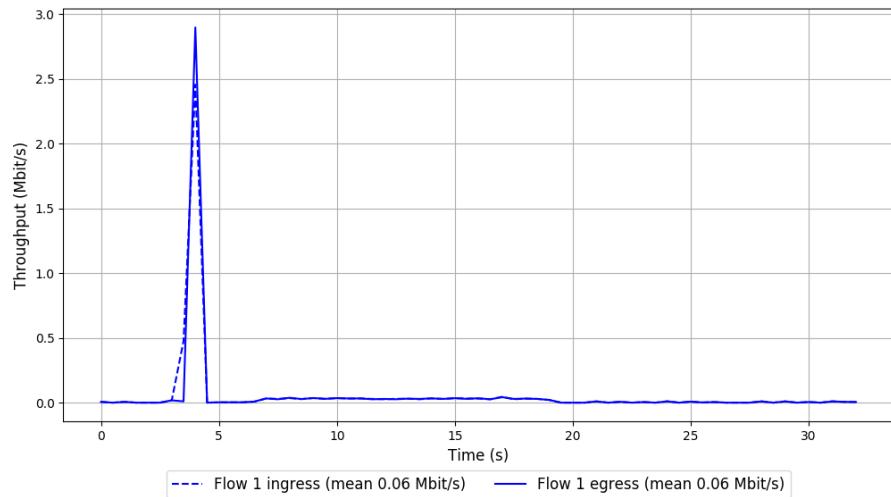


Run 3: Statistics of WebRTC media

```
Start at: 2018-04-17 05:38:31
End at: 2018-04-17 05:39:01
Local clock offset: -2.219 ms
Remote clock offset: -9.385 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.377 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.377 ms
Loss rate: 0.63%
```

Run 3: Report of WebRTC media — Data Link

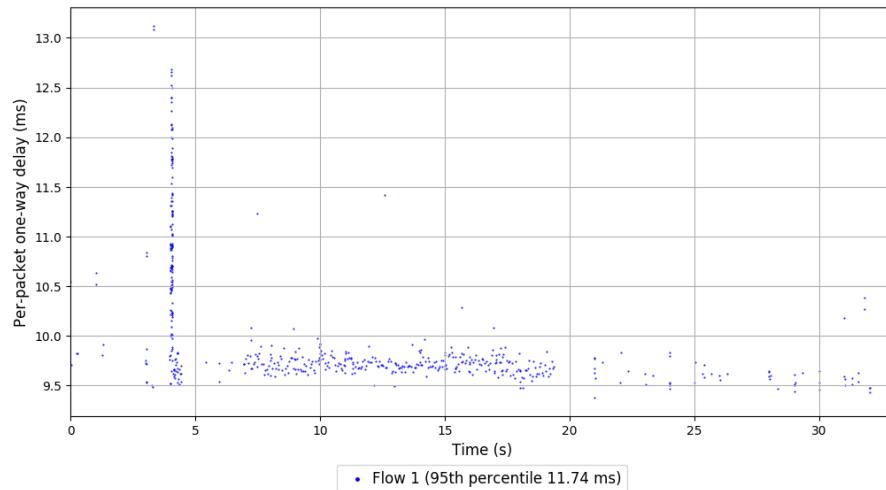
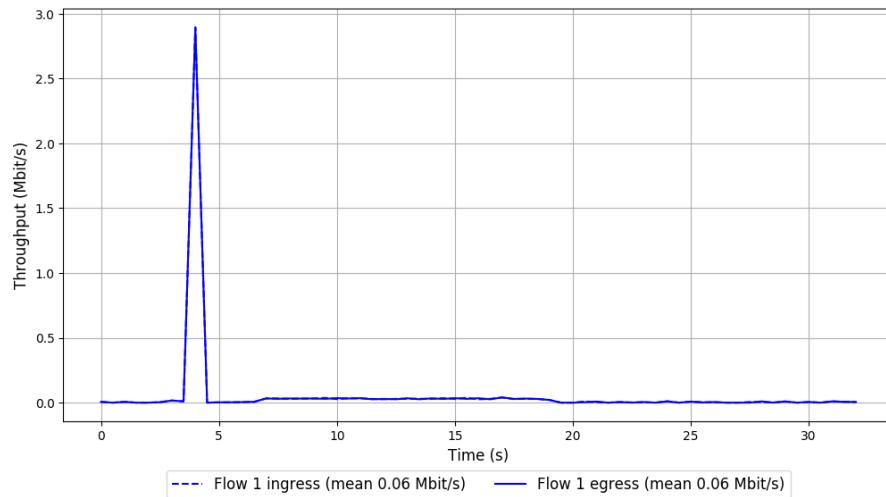


Run 4: Statistics of WebRTC media

```
Start at: 2018-04-17 05:58:25
End at: 2018-04-17 05:58:55
Local clock offset: -1.736 ms
Remote clock offset: -5.789 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 11.741 ms
Loss rate: 0.00%
```

#### Run 4: Report of WebRTC media — Data Link

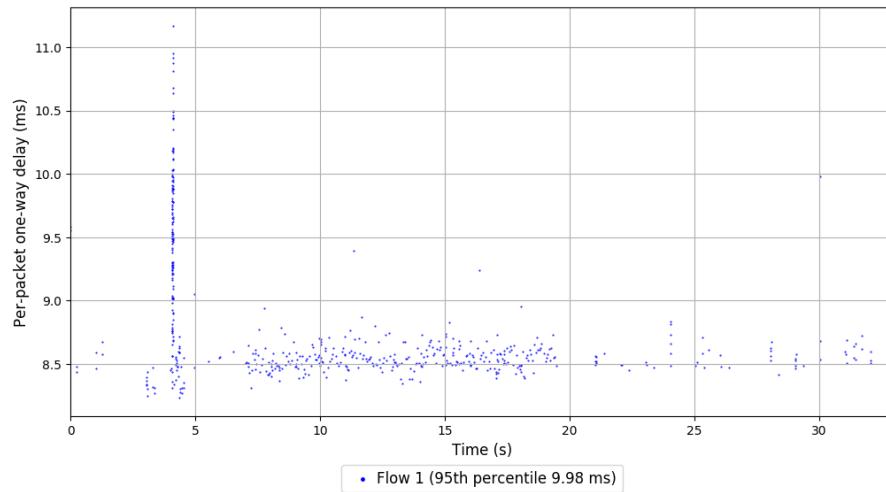
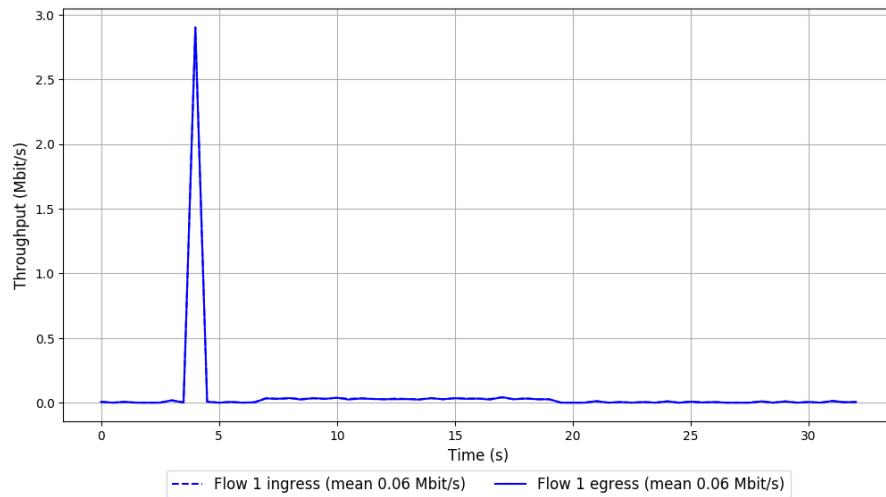


Run 5: Statistics of WebRTC media

```
Start at: 2018-04-17 06:18:19
End at: 2018-04-17 06:18:49
Local clock offset: -3.438 ms
Remote clock offset: -5.675 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 9.981 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 9.981 ms
Loss rate: 0.73%
```

Run 5: Report of WebRTC media — Data Link

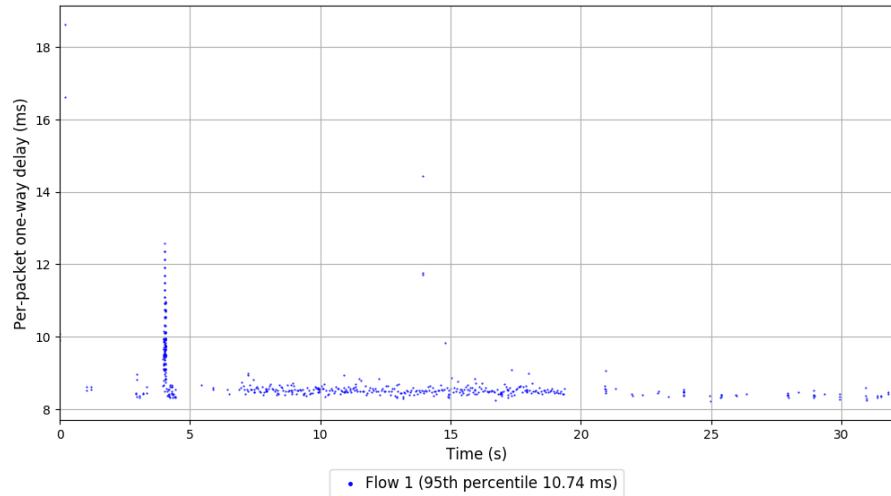
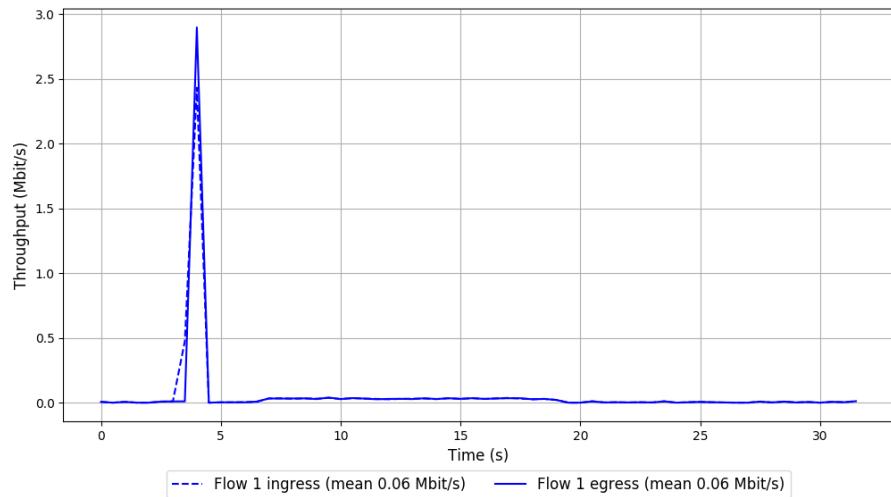


Run 6: Statistics of WebRTC media

```
Start at: 2018-04-17 06:38:11
End at: 2018-04-17 06:38:41
Local clock offset: -6.236 ms
Remote clock offset: -5.868 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.745 ms
Loss rate: 0.00%
```

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

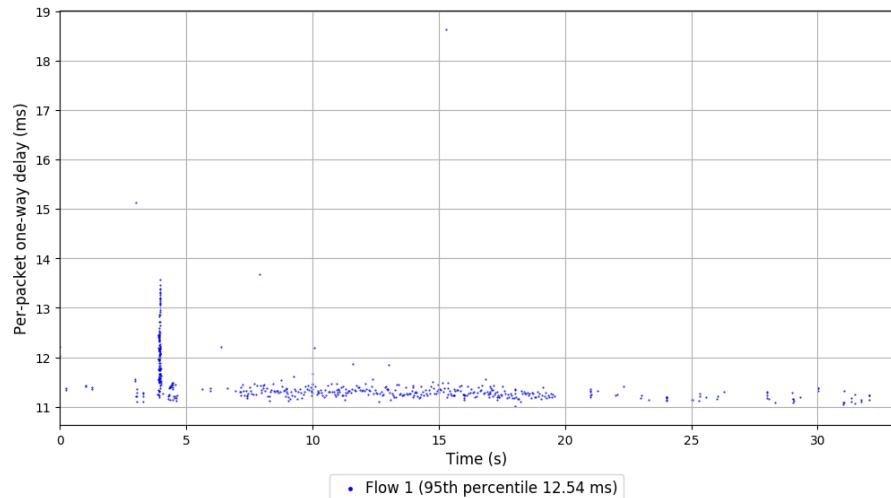
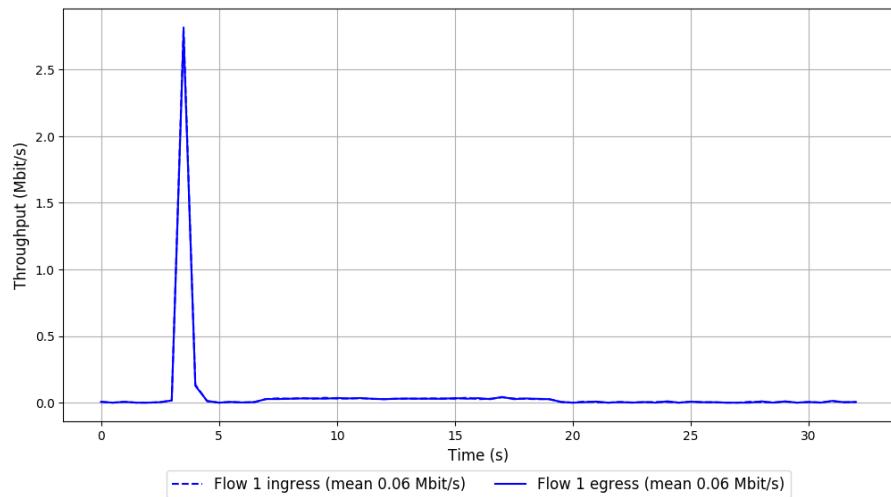


Run 7: Statistics of WebRTC media

```
Start at: 2018-04-17 06:57:53
End at: 2018-04-17 06:58:23
Local clock offset: -10.657 ms
Remote clock offset: -3.773 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.545 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.545 ms
Loss rate: 1.55%
```

Run 7: Report of WebRTC media — Data Link

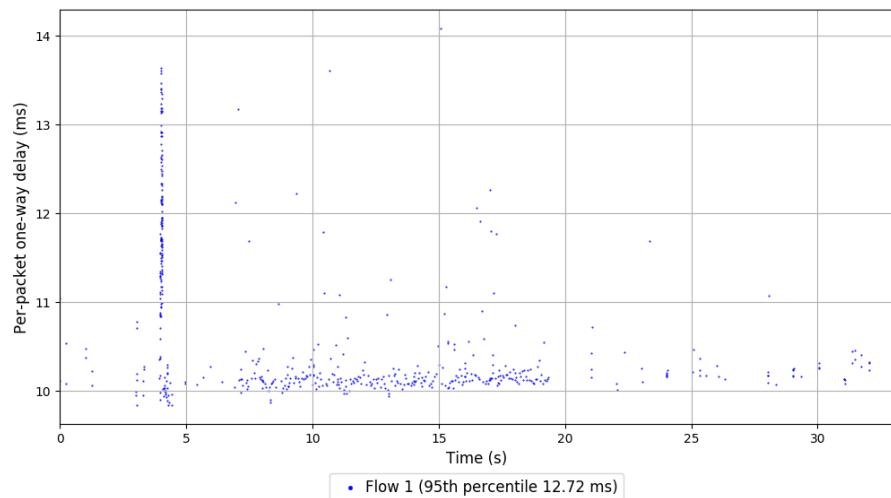
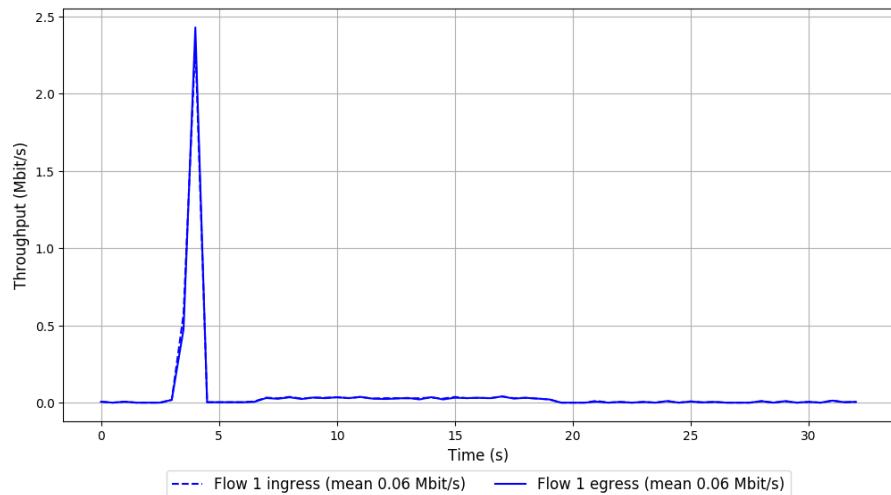


Run 8: Statistics of WebRTC media

```
Start at: 2018-04-17 07:18:02
End at: 2018-04-17 07:18:32
Local clock offset: -5.341 ms
Remote clock offset: -1.987 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.716 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.716 ms
Loss rate: 1.17%
```

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

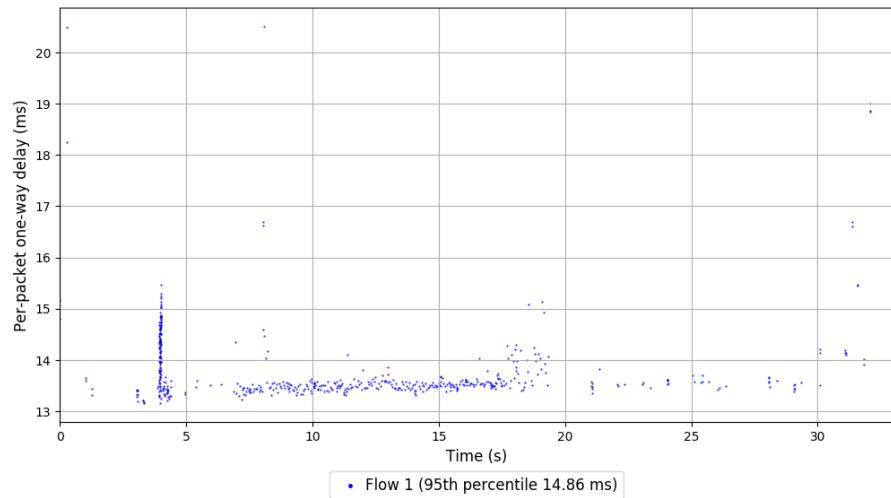
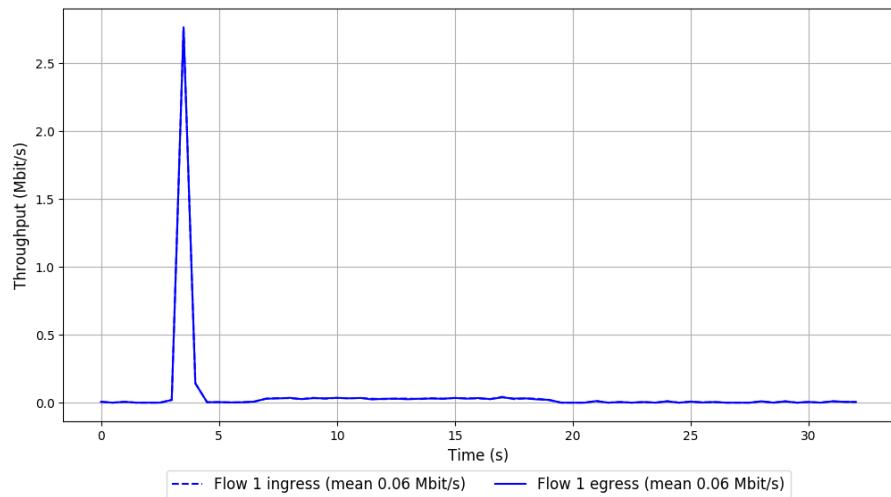


Run 9: Statistics of WebRTC media

```
Start at: 2018-04-17 07:37:38
End at: 2018-04-17 07:38:08
Local clock offset: -4.185 ms
Remote clock offset: -6.671 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 14.860 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 14.860 ms
Loss rate: 0.28%
```

Run 9: Report of WebRTC media — Data Link

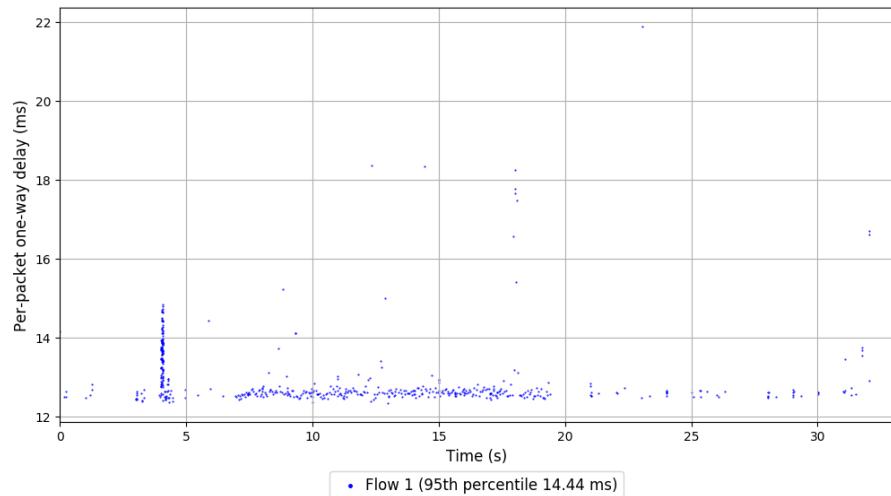
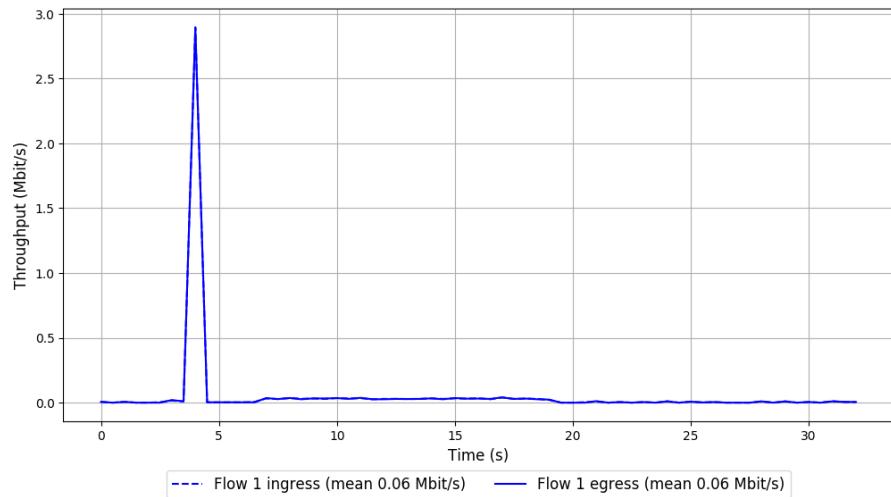


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-04-17 07:57:21
End at: 2018-04-17 07:57:51
Local clock offset: -6.655 ms
Remote clock offset: -9.433 ms

# Below is generated by plot.py at 2018-04-17 08:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 14.439 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 14.439 ms
Loss rate: 0.07%
```

Run 10: Report of WebRTC media — Data Link

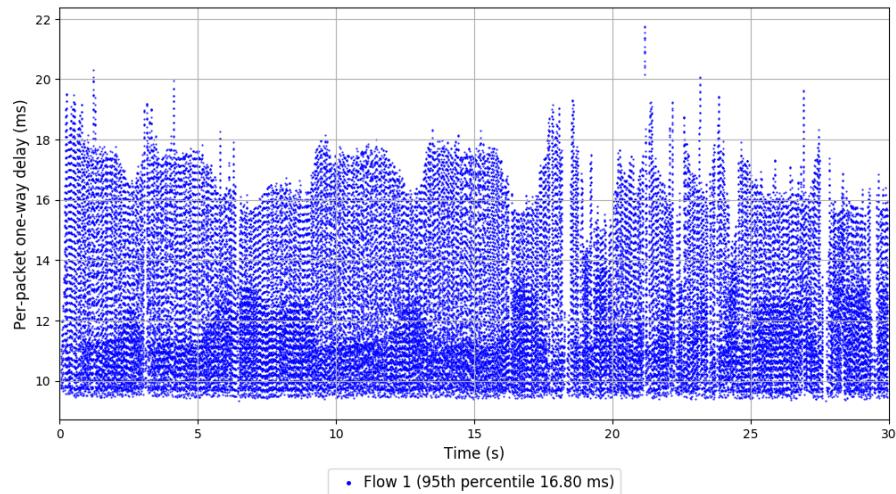
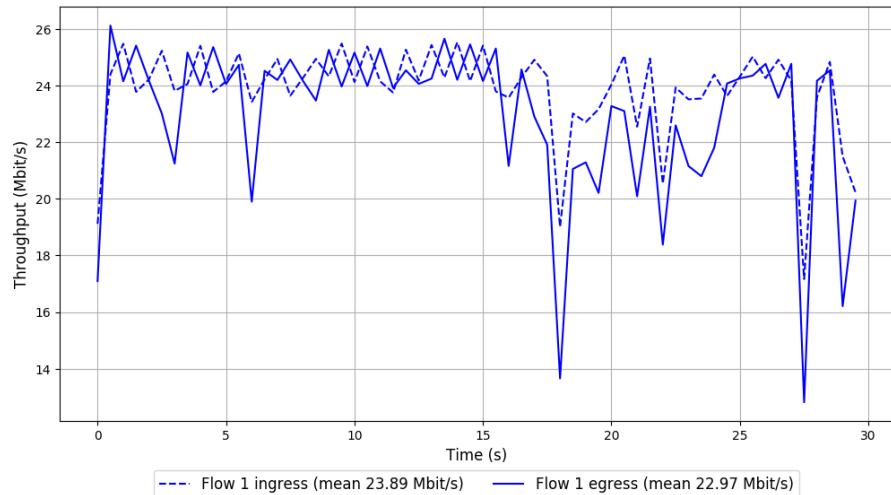


Run 1: Statistics of Sprout

```
Start at: 2018-04-17 05:06:58
End at: 2018-04-17 05:07:28
Local clock offset: -6.865 ms
Remote clock offset: -7.812 ms

# Below is generated by plot.py at 2018-04-17 08:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 16.800 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 16.800 ms
Loss rate: 3.83%
```

## Run 1: Report of Sprout — Data Link

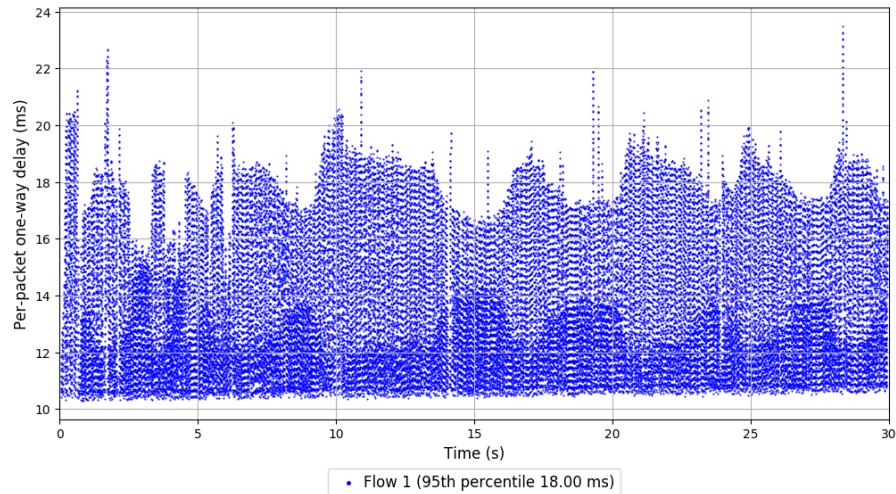
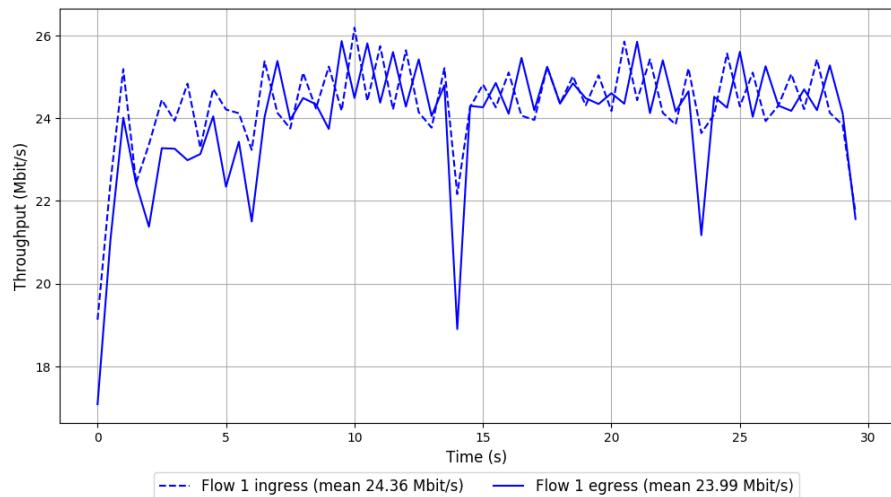


Run 2: Statistics of Sprout

```
Start at: 2018-04-17 05:26:38
End at: 2018-04-17 05:27:08
Local clock offset: -7.574 ms
Remote clock offset: -9.31 ms

# Below is generated by plot.py at 2018-04-17 08:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 18.002 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 18.002 ms
Loss rate: 1.47%
```

## Run 2: Report of Sprout — Data Link

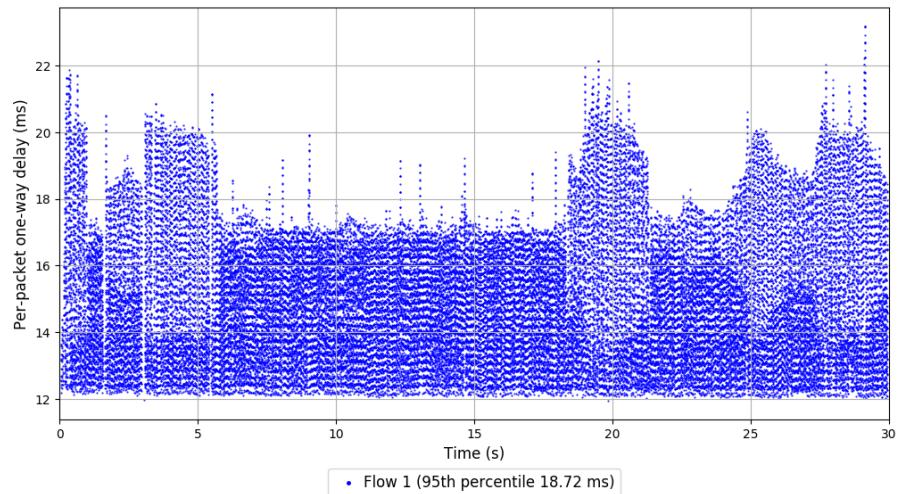
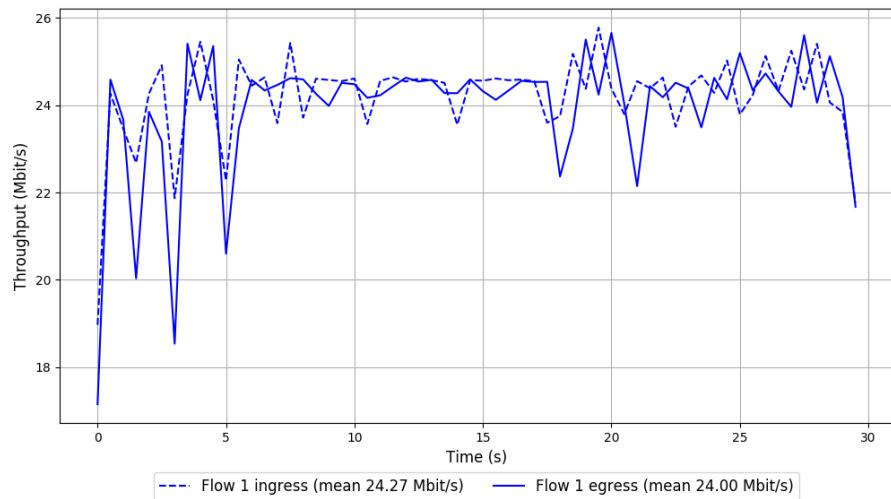


Run 3: Statistics of Sprout

```
Start at: 2018-04-17 05:46:39
End at: 2018-04-17 05:47:09
Local clock offset: -4.666 ms
Remote clock offset: -7.511 ms

# Below is generated by plot.py at 2018-04-17 08:38:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 18.722 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 18.722 ms
Loss rate: 1.10%
```

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

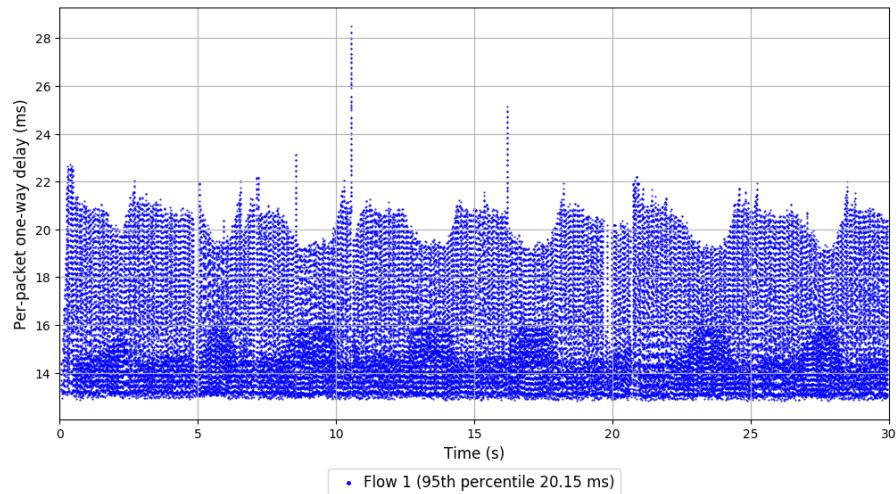
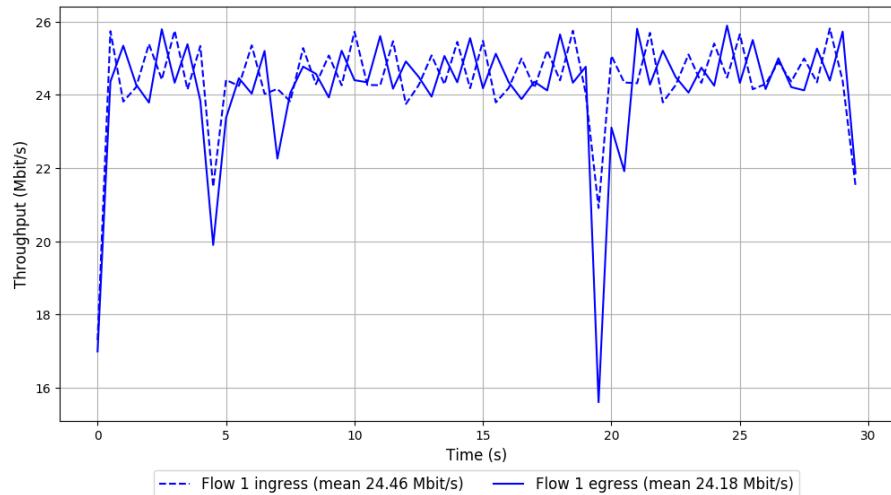


Run 4: Statistics of Sprout

```
Start at: 2018-04-17 06:06:24
End at: 2018-04-17 06:06:54
Local clock offset: -5.308 ms
Remote clock offset: -4.192 ms

# Below is generated by plot.py at 2018-04-17 08:38:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 20.154 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 20.154 ms
Loss rate: 1.10%
```

## Run 4: Report of Sprout — Data Link

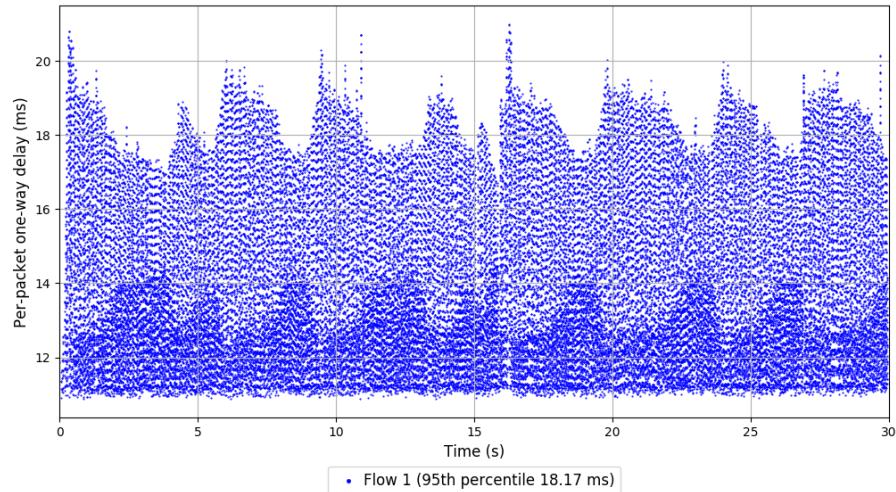
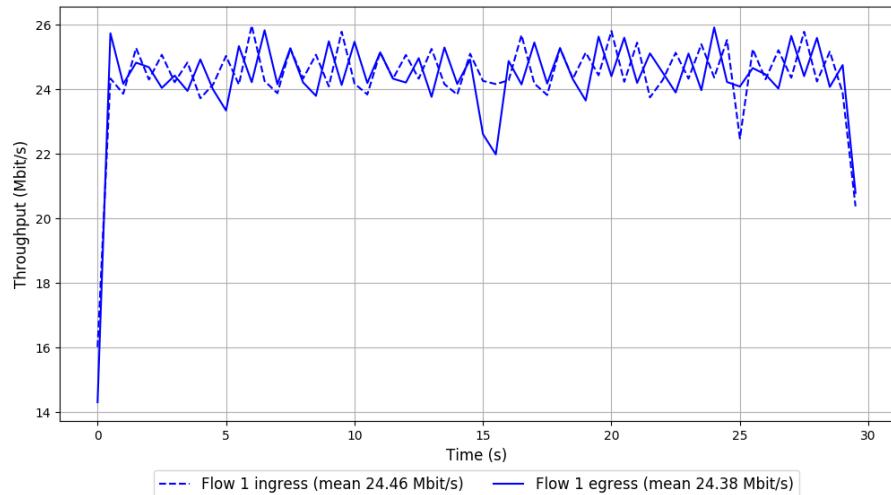


Run 5: Statistics of Sprout

```
Start at: 2018-04-17 06:26:21
End at: 2018-04-17 06:26:51
Local clock offset: -4.998 ms
Remote clock offset: -5.887 ms

# Below is generated by plot.py at 2018-04-17 08:38:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 18.172 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 18.172 ms
Loss rate: 0.33%
```

## Run 5: Report of Sprout — Data Link

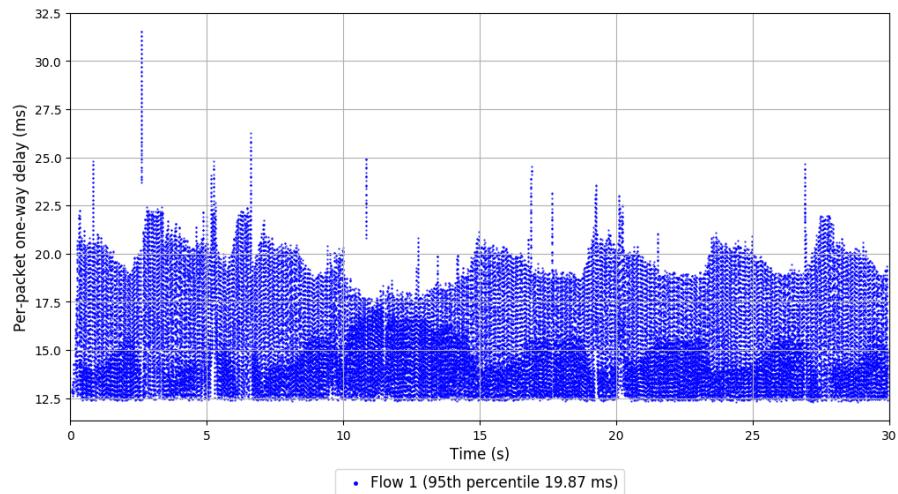
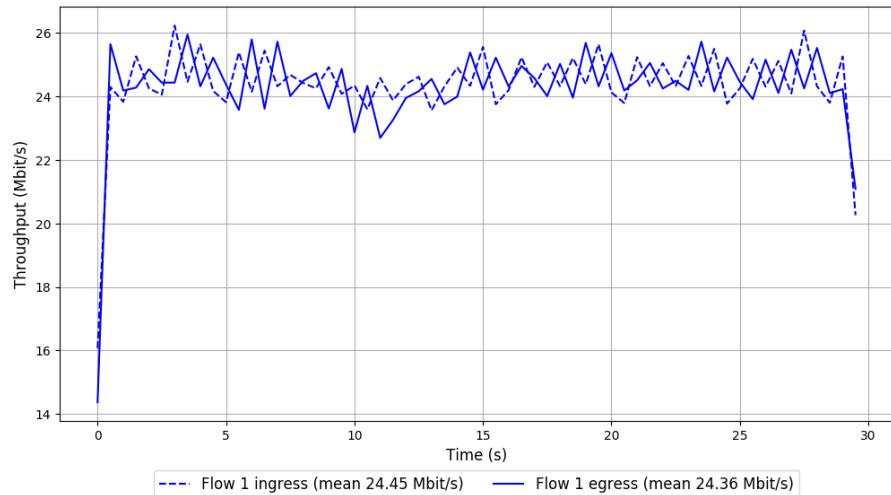


Run 6: Statistics of Sprout

```
Start at: 2018-04-17 06:46:13
End at: 2018-04-17 06:46:44
Local clock offset: -11.724 ms
Remote clock offset: -5.581 ms

# Below is generated by plot.py at 2018-04-17 08:38:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 19.869 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 19.869 ms
Loss rate: 0.35%
```

## Run 6: Report of Sprout — Data Link

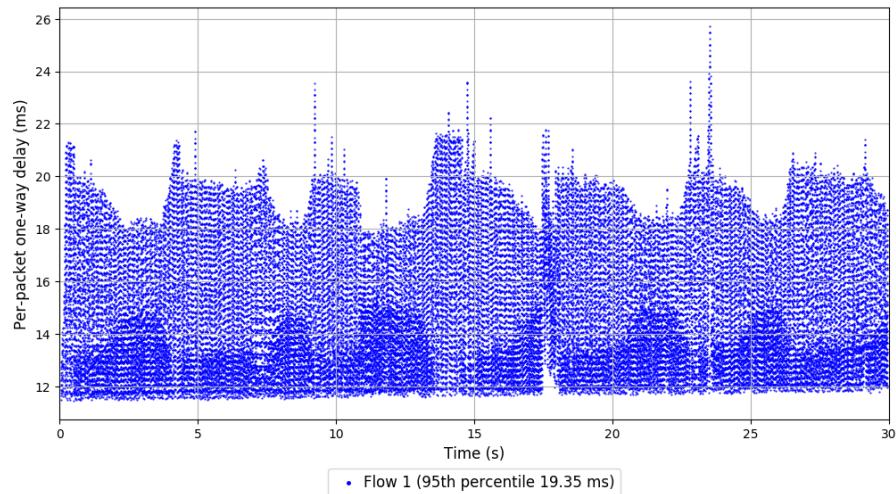
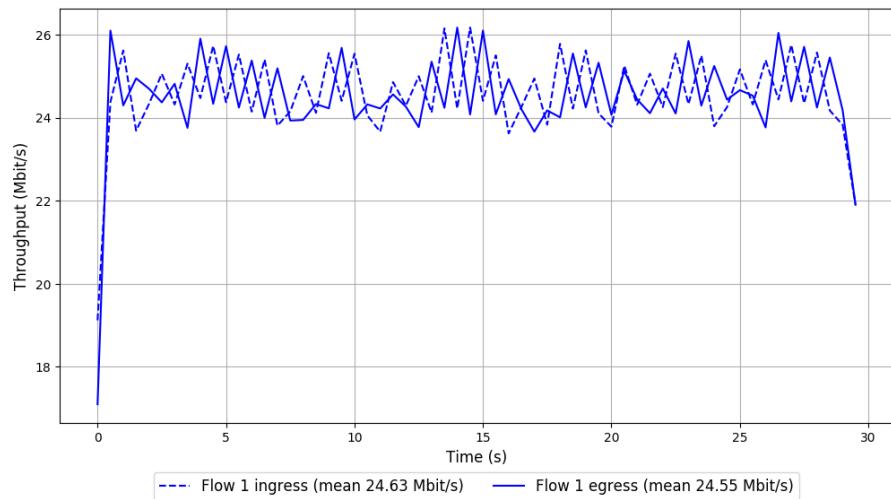


Run 7: Statistics of Sprout

```
Start at: 2018-04-17 07:06:12
End at: 2018-04-17 07:06:42
Local clock offset: -12.493 ms
Remote clock offset: -2.95 ms

# Below is generated by plot.py at 2018-04-17 08:38:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.30%
```

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

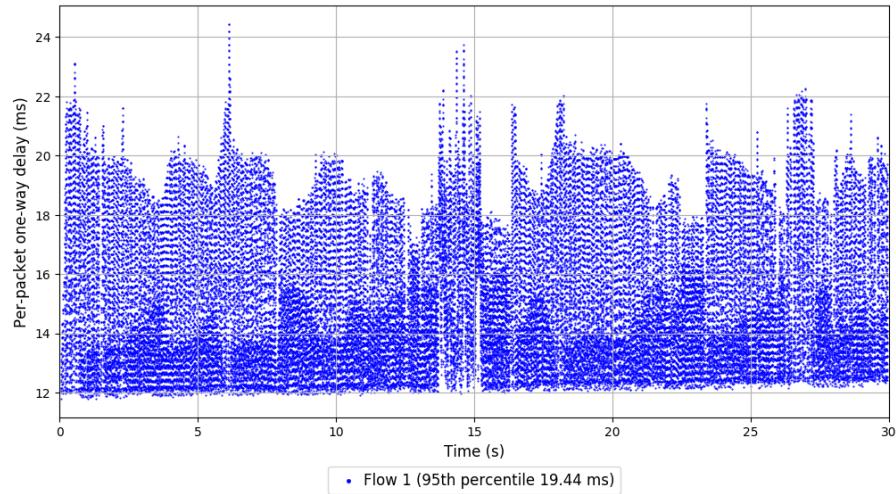
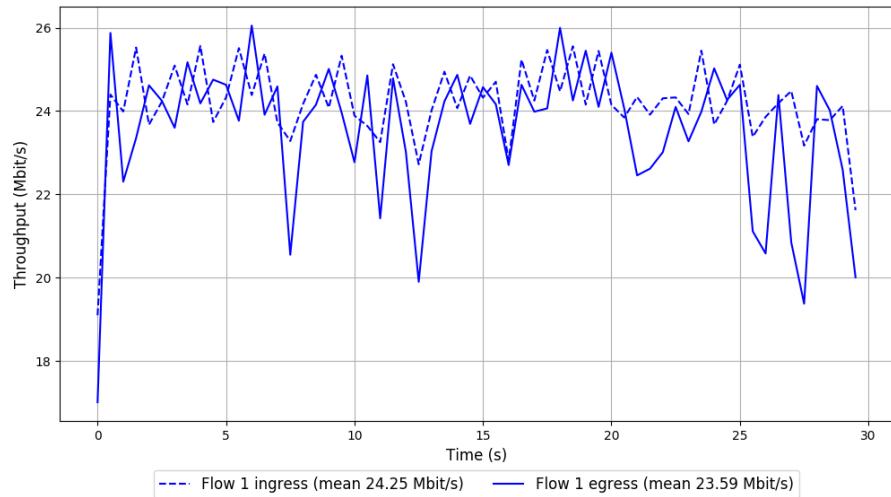


Run 8: Statistics of Sprout

```
Start at: 2018-04-17 07:26:06
End at: 2018-04-17 07:26:36
Local clock offset: -5.133 ms
Remote clock offset: -1.942 ms

# Below is generated by plot.py at 2018-04-17 08:38:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 2.69%
```

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

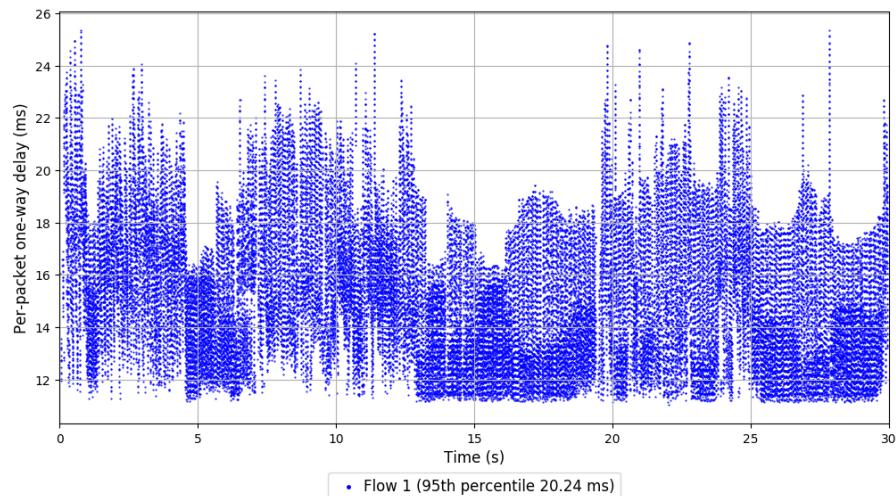
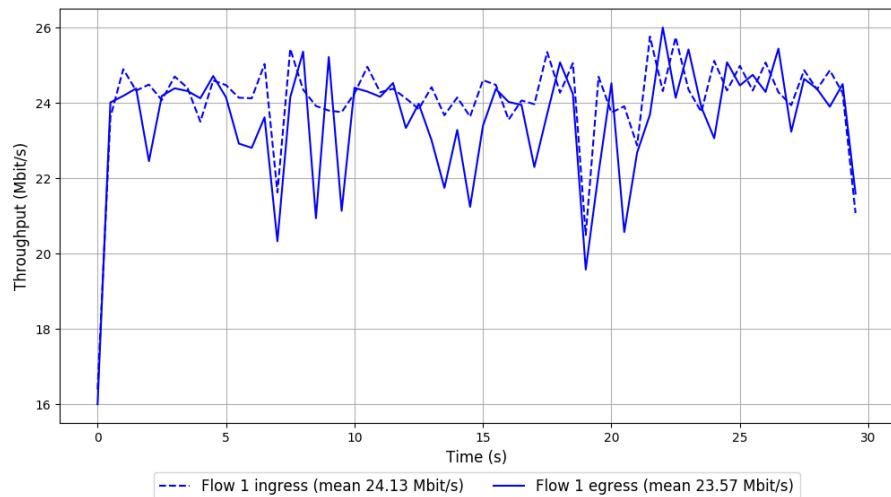


Run 9: Statistics of Sprout

```
Start at: 2018-04-17 07:45:43
End at: 2018-04-17 07:46:13
Local clock offset: -5.406 ms
Remote clock offset: -8.975 ms

# Below is generated by plot.py at 2018-04-17 08:39:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 20.240 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 20.240 ms
Loss rate: 2.32%
```

## Run 9: Report of Sprout — Data Link

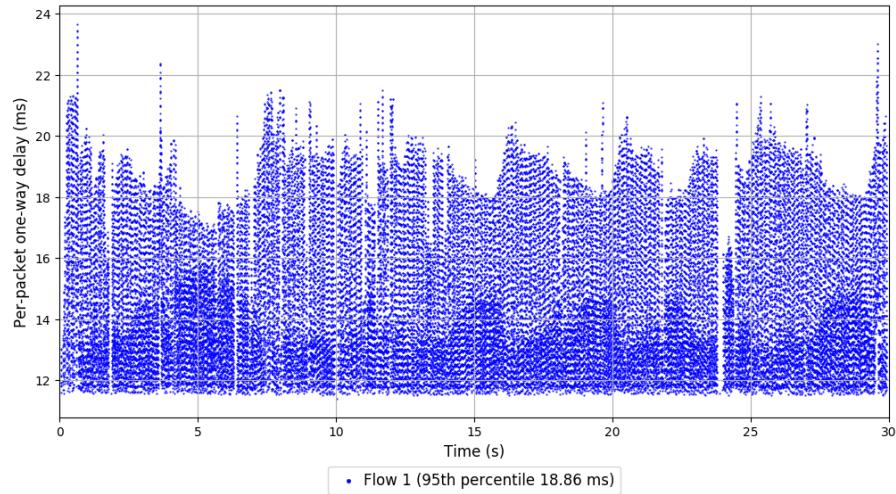
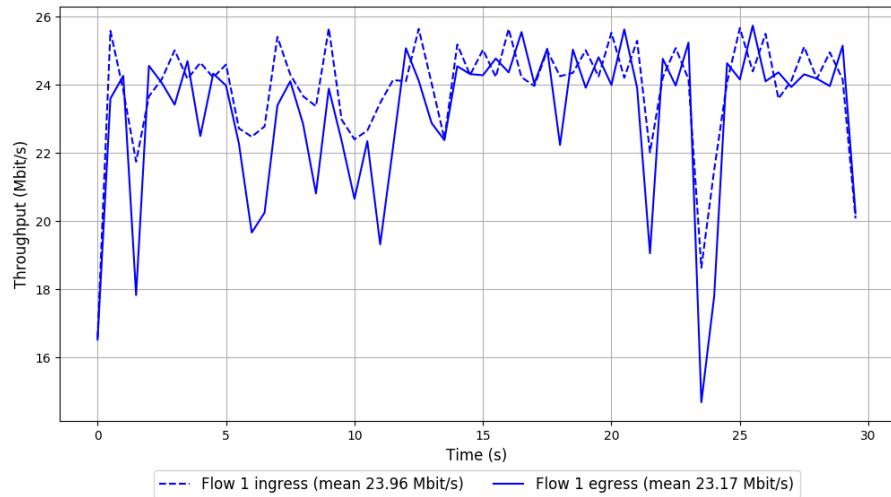


Run 10: Statistics of Sprout

```
Start at: 2018-04-17 08:05:40
End at: 2018-04-17 08:06:10
Local clock offset: -7.189 ms
Remote clock offset: -9.637 ms

# Below is generated by plot.py at 2018-04-17 08:39:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 3.31%
```

Run 10: Report of Sprout — Data Link

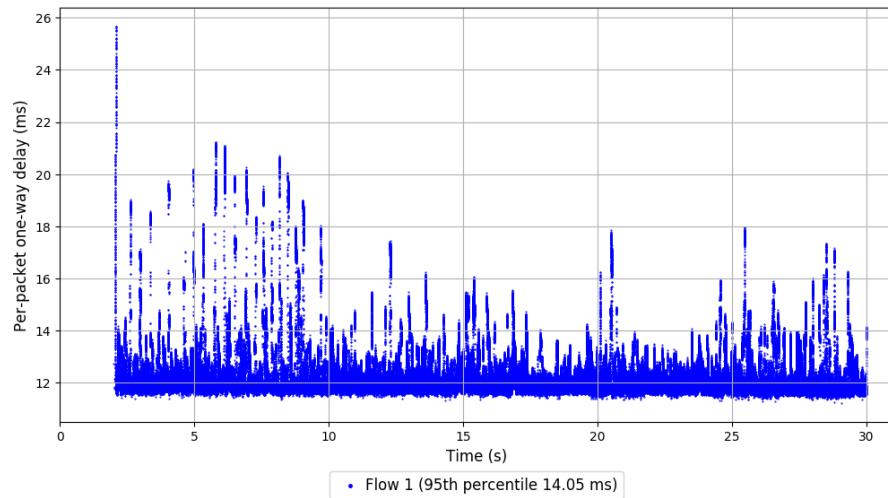
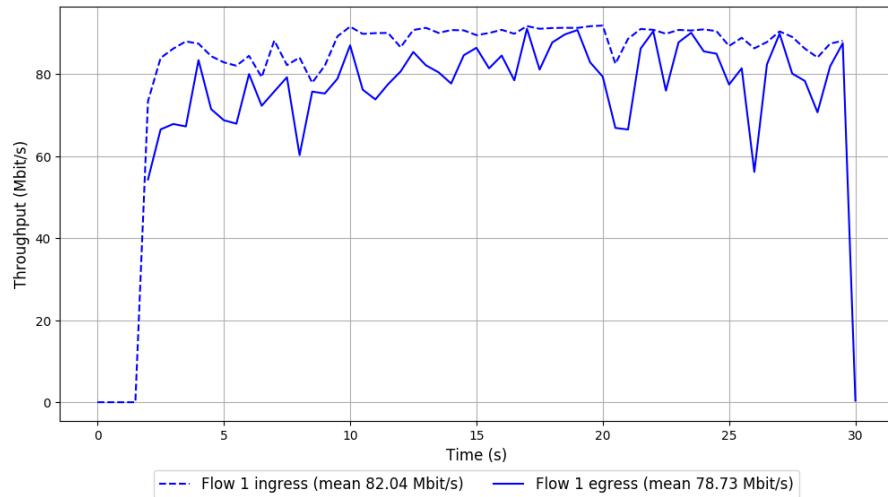


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-04-17 04:56:12
End at: 2018-04-17 04:56:42
Local clock offset: -7.089 ms
Remote clock offset: -8.142 ms

# Below is generated by plot.py at 2018-04-17 08:40:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 14.051 ms
Loss rate: 10.44%
-- Flow 1:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 14.051 ms
Loss rate: 10.44%
```

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

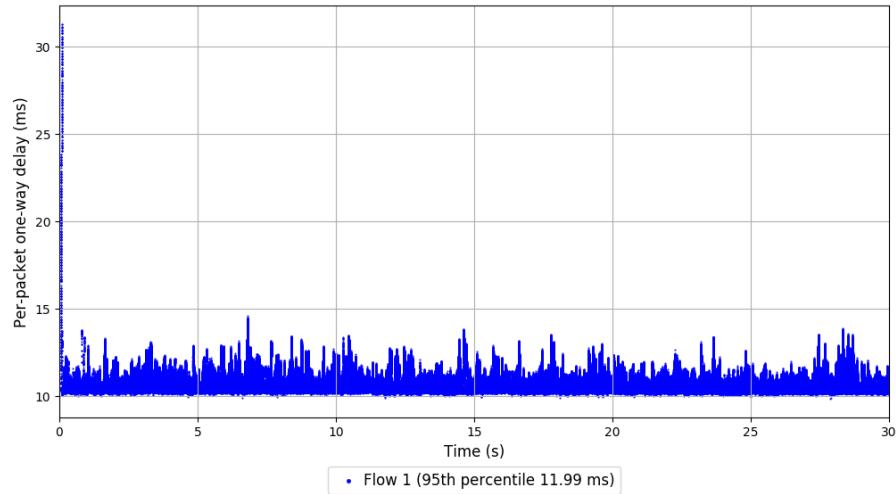
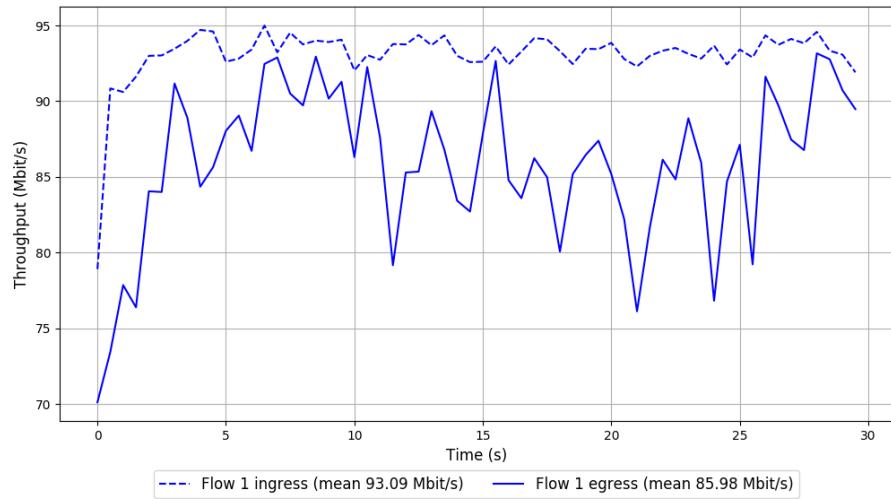


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-04-17 05:16:04
End at: 2018-04-17 05:16:34
Local clock offset: -7.266 ms
Remote clock offset: -7.903 ms

# Below is generated by plot.py at 2018-04-17 08:41:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 11.995 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 11.995 ms
Loss rate: 7.63%
```

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

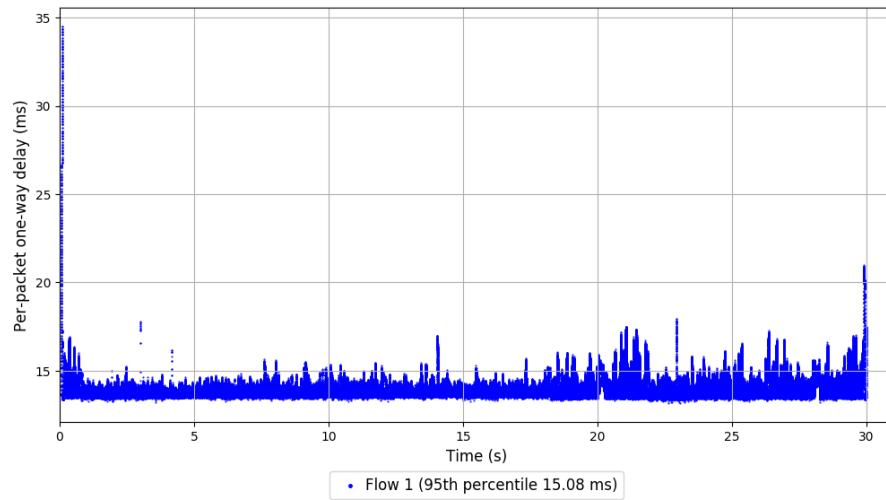
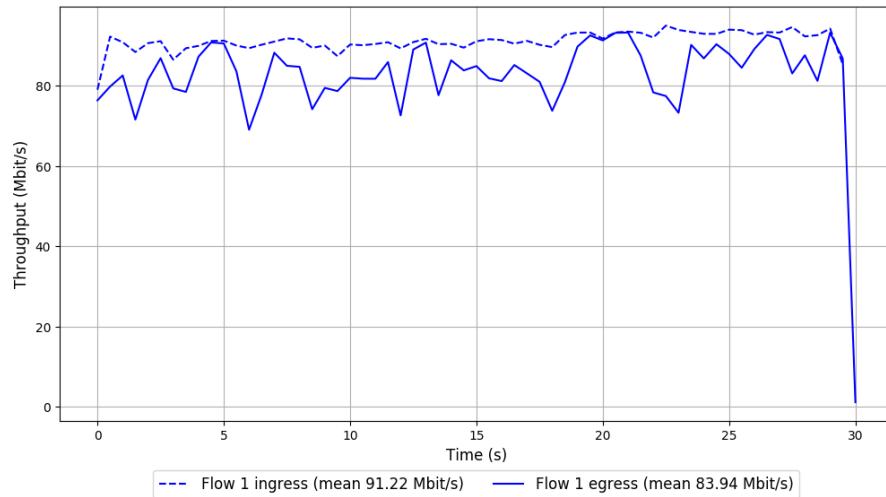


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-04-17 05:35:53
End at: 2018-04-17 05:36:23
Local clock offset: -6.465 ms
Remote clock offset: -8.605 ms

# Below is generated by plot.py at 2018-04-17 08:41:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 15.084 ms
Loss rate: 7.98%
-- Flow 1:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 15.084 ms
Loss rate: 7.98%
```

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

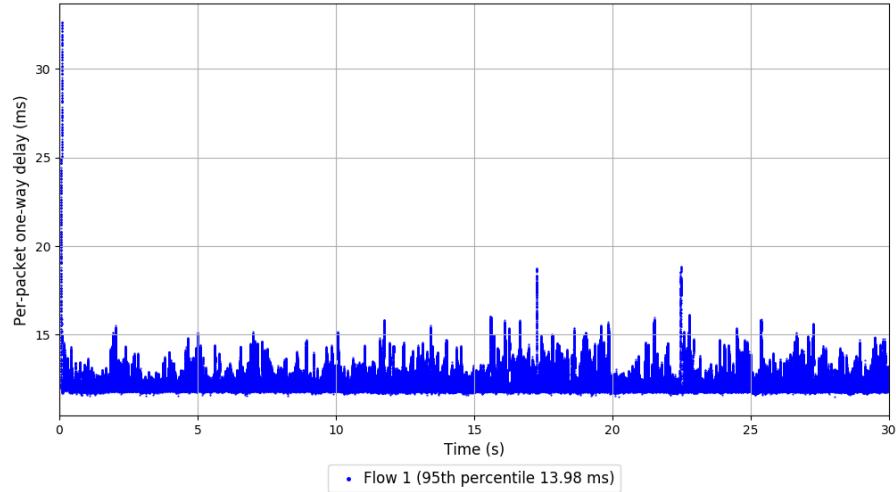
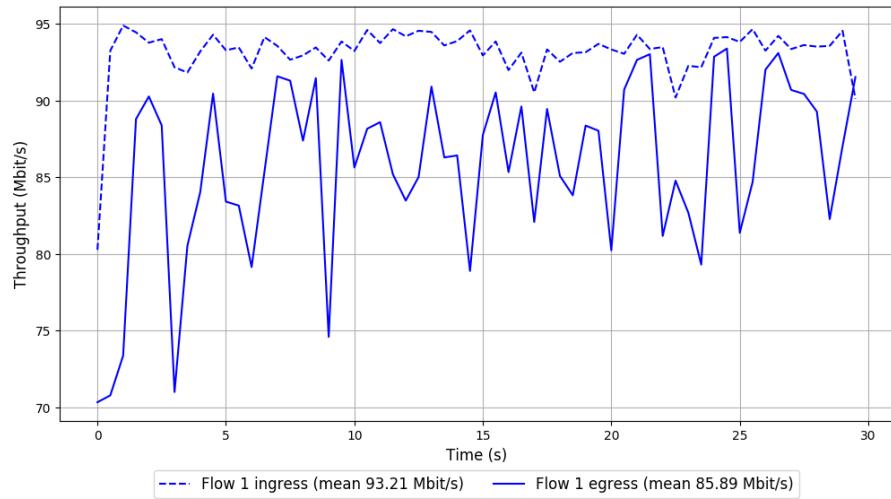


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-04-17 05:55:46
End at: 2018-04-17 05:56:16
Local clock offset: -3.736 ms
Remote clock offset: -6.295 ms

# Below is generated by plot.py at 2018-04-17 08:41:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 13.977 ms
Loss rate: 7.85%
-- Flow 1:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 13.977 ms
Loss rate: 7.85%
```

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

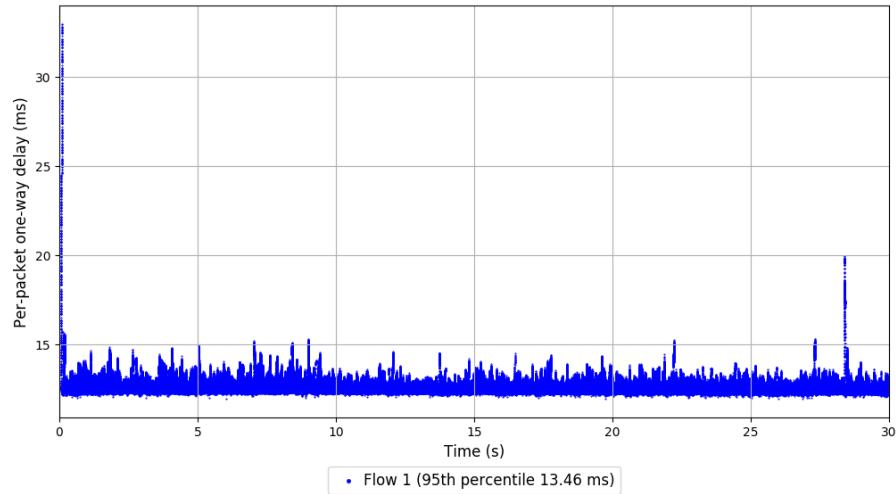
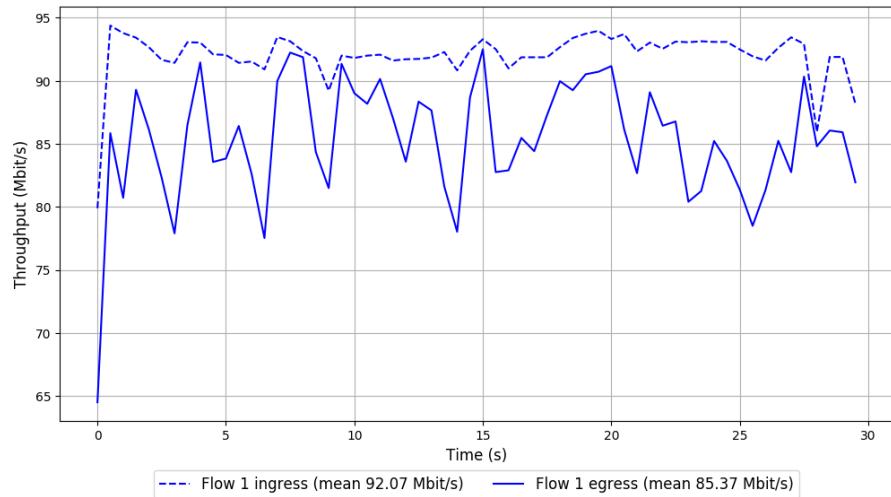


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-04-17 06:15:51
End at: 2018-04-17 06:16:21
Local clock offset: -5.551 ms
Remote clock offset: -3.827 ms

# Below is generated by plot.py at 2018-04-17 08:41:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 13.459 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 13.459 ms
Loss rate: 7.28%
```

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

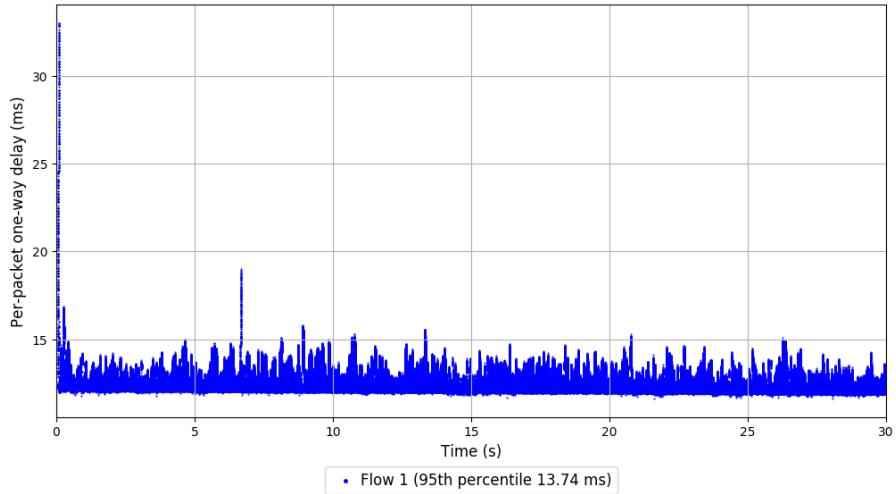
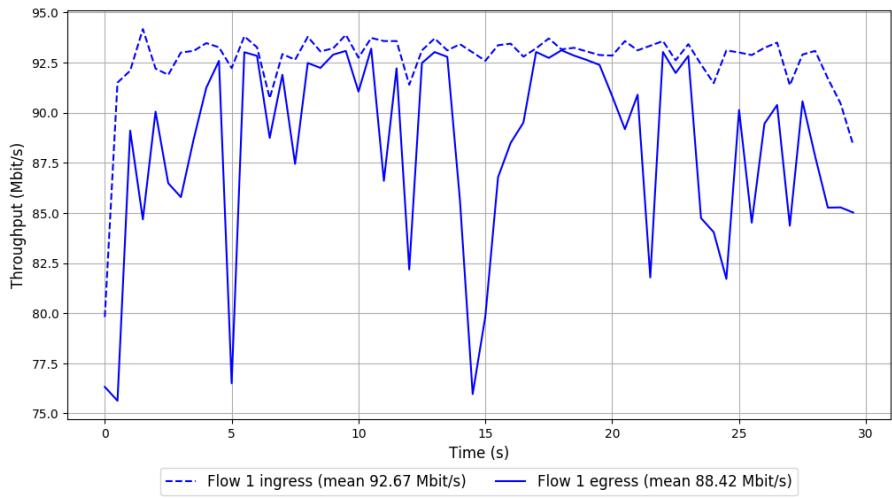


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-04-17 06:35:37
End at: 2018-04-17 06:36:07
Local clock offset: -8.192 ms
Remote clock offset: -6.343 ms

# Below is generated by plot.py at 2018-04-17 08:41:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 13.740 ms
Loss rate: 4.59%
-- Flow 1:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 13.740 ms
Loss rate: 4.59%
```

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

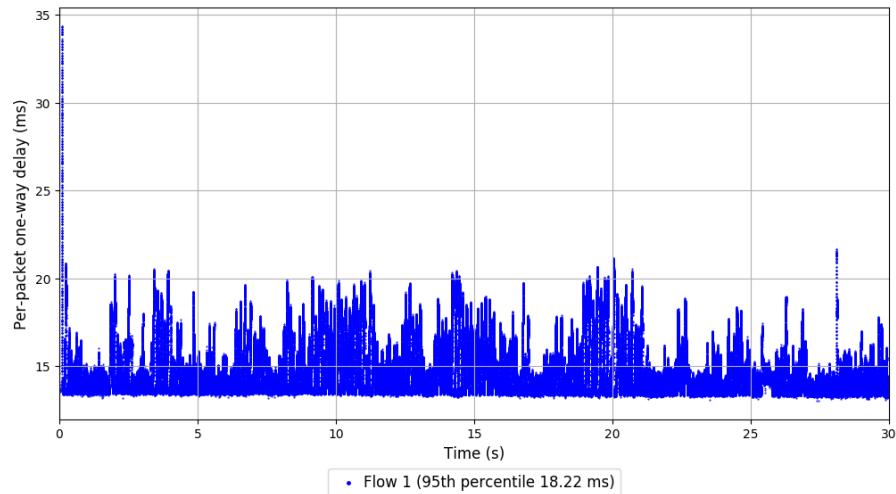
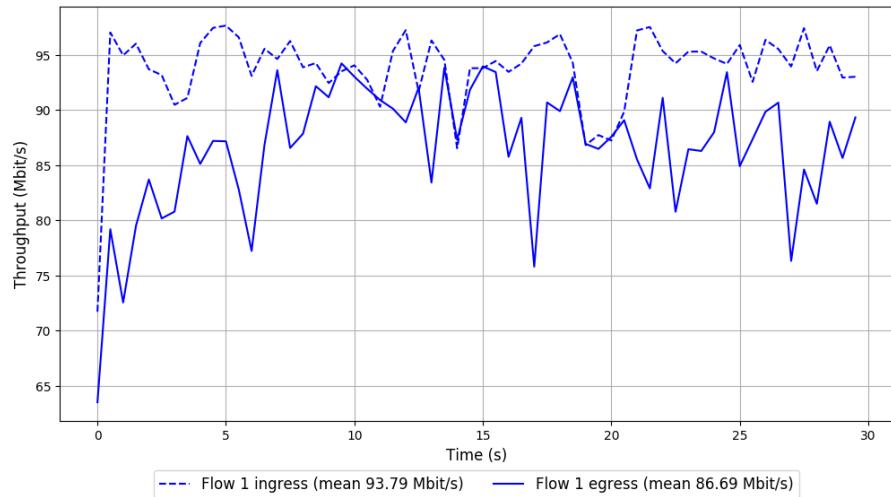


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-04-17 06:55:24
End at: 2018-04-17 06:55:54
Local clock offset: -11.91 ms
Remote clock offset: -3.595 ms

# Below is generated by plot.py at 2018-04-17 08:41:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 18.219 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 18.219 ms
Loss rate: 7.57%
```

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

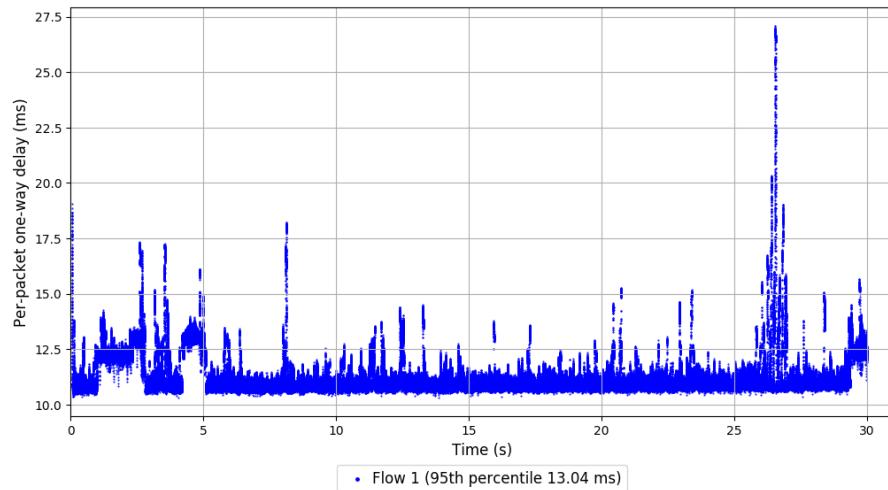
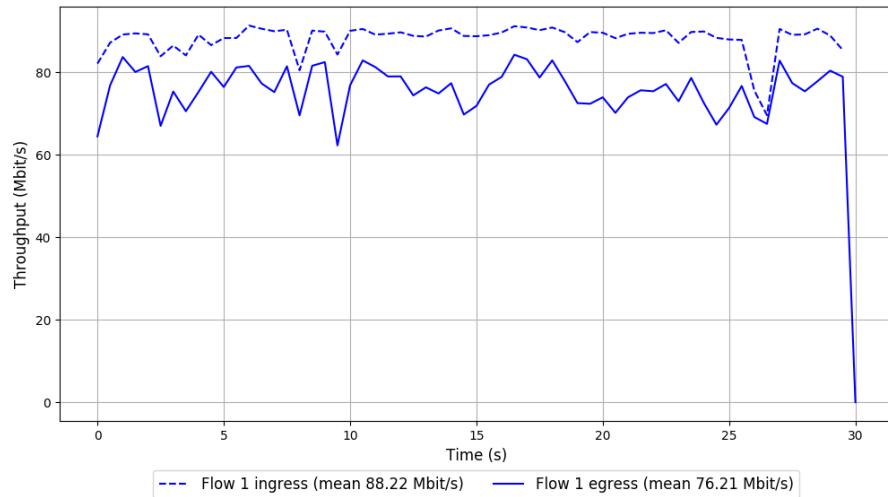


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-04-17 07:15:28
End at: 2018-04-17 07:15:58
Local clock offset: -7.236 ms
Remote clock offset: -2.903 ms

# Below is generated by plot.py at 2018-04-17 08:41:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 13.038 ms
Loss rate: 13.61%
-- Flow 1:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 13.038 ms
Loss rate: 13.61%
```

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

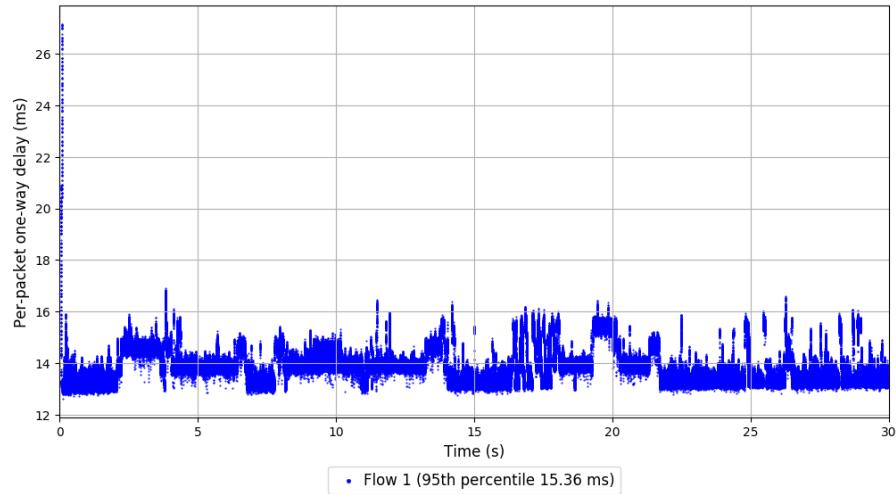
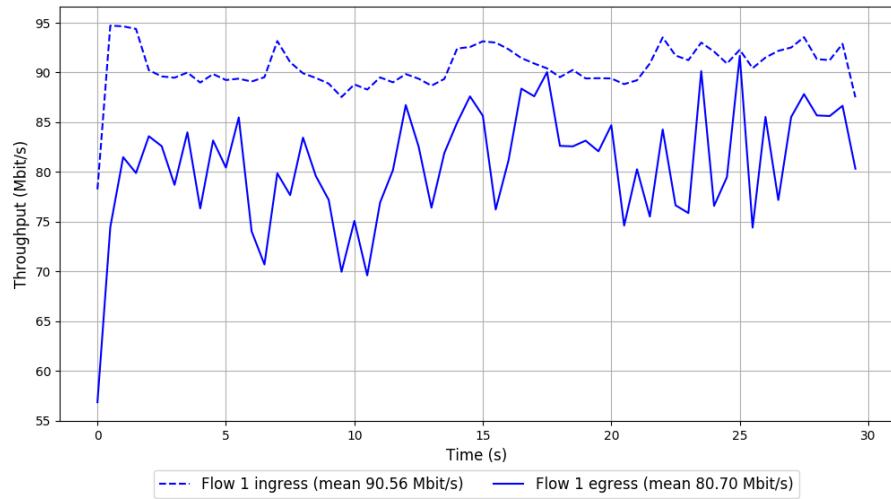


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-04-17 07:35:08
End at: 2018-04-17 07:35:38
Local clock offset: -3.979 ms
Remote clock offset: -6.192 ms

# Below is generated by plot.py at 2018-04-17 08:43:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.70 Mbit/s
95th percentile per-packet one-way delay: 15.360 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 80.70 Mbit/s
95th percentile per-packet one-way delay: 15.360 ms
Loss rate: 10.90%
```

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

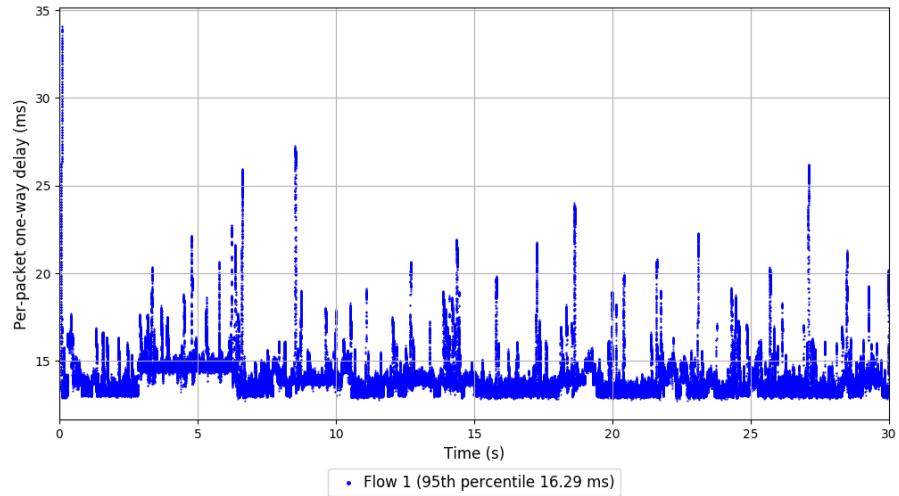
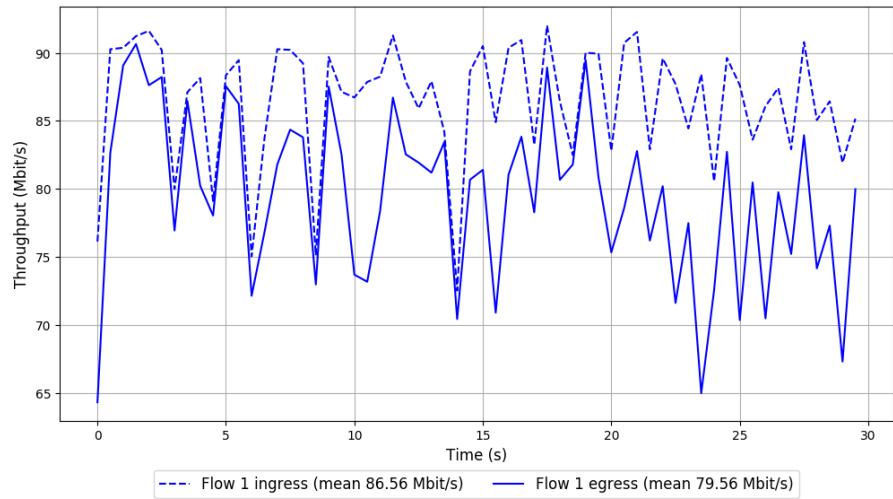


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-04-17 07:54:46
End at: 2018-04-17 07:55:16
Local clock offset: -7.169 ms
Remote clock offset: -8.761 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 16.286 ms
Loss rate: 8.08%
-- Flow 1:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 16.286 ms
Loss rate: 8.08%
```

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

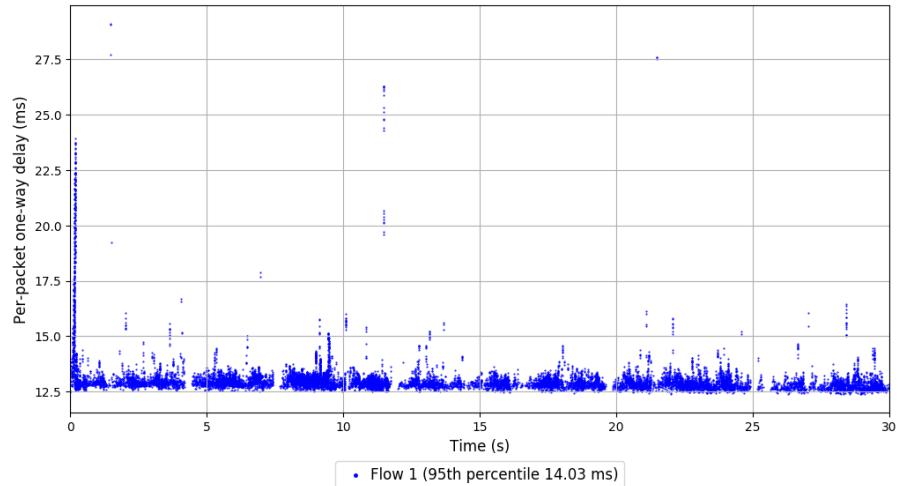
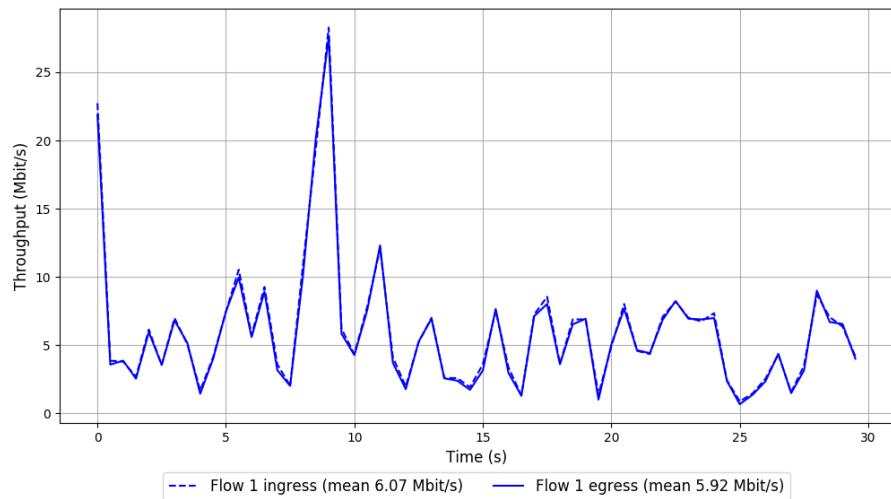


Run 1: Statistics of TCP Vegas

```
Start at: 2018-04-17 04:50:28
End at: 2018-04-17 04:50:58
Local clock offset: -5.68 ms
Remote clock offset: -7.904 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 14.026 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 14.026 ms
Loss rate: 2.54%
```

Run 1: Report of TCP Vegas — Data Link

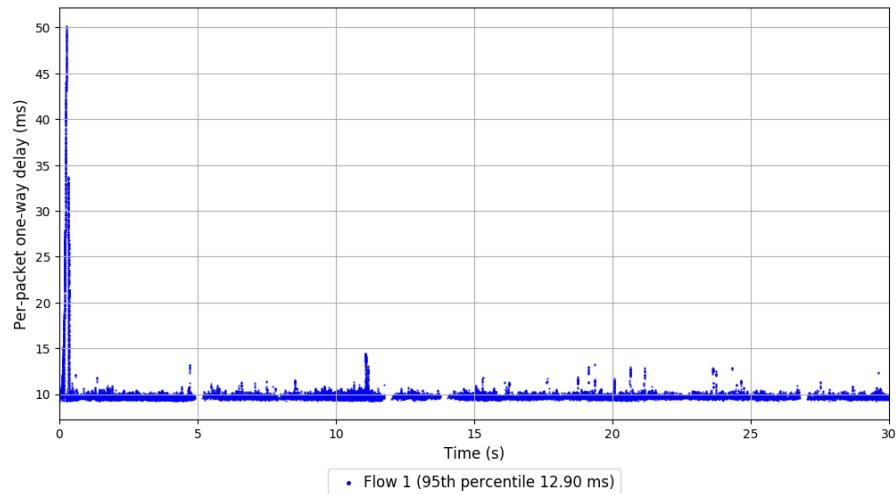
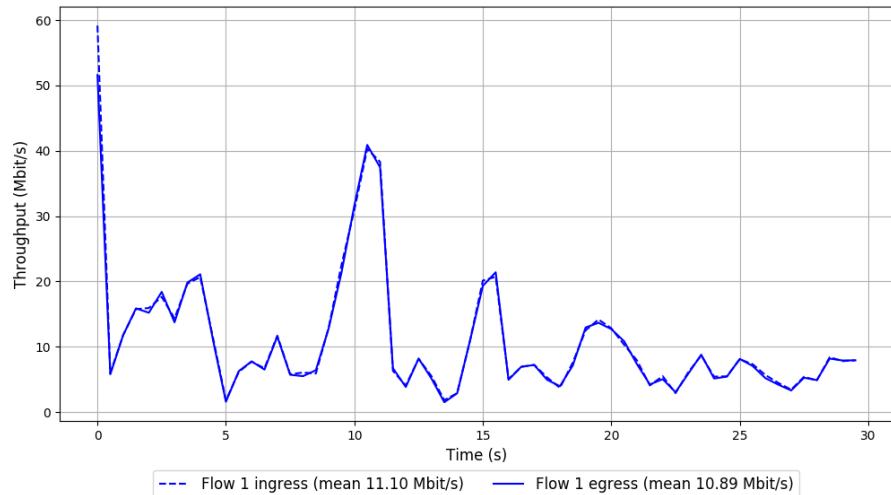


Run 2: Statistics of TCP Vegas

```
Start at: 2018-04-17 05:10:20
End at: 2018-04-17 05:10:50
Local clock offset: -6.971 ms
Remote clock offset: -7.844 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 12.905 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 12.905 ms
Loss rate: 1.91%
```

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

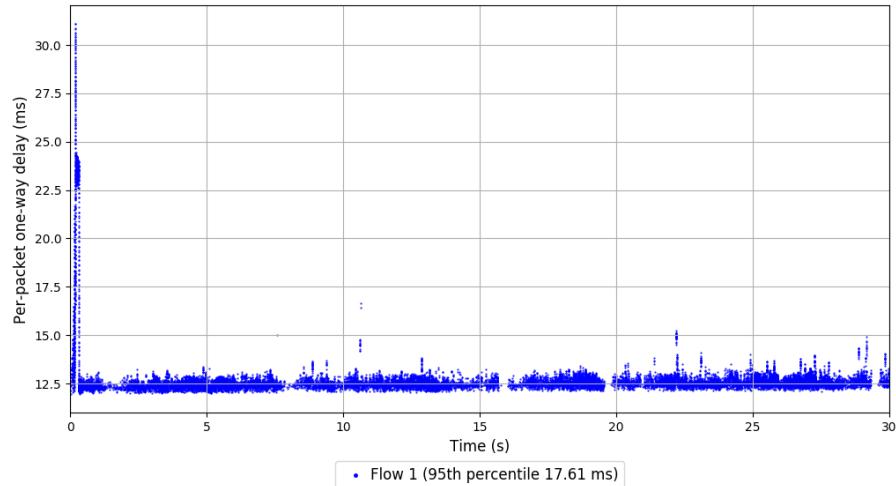
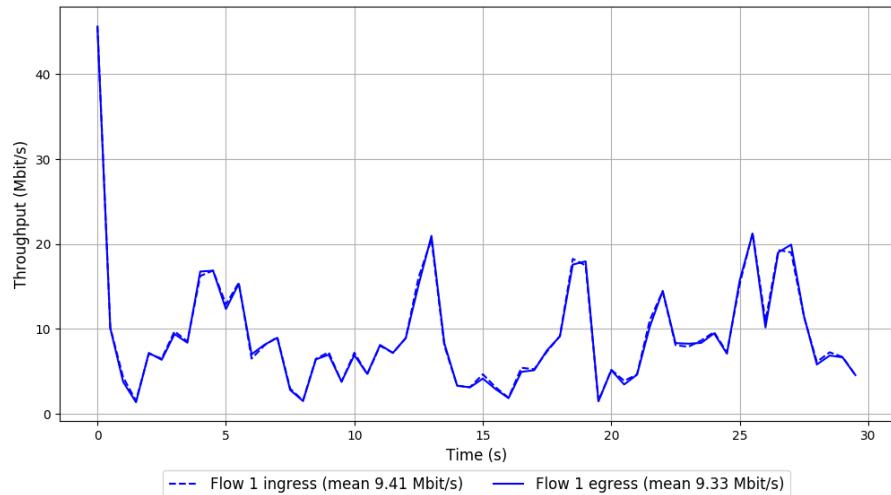


Run 3: Statistics of TCP Vegas

```
Start at: 2018-04-17 05:30:06
End at: 2018-04-17 05:30:36
Local clock offset: -5.92 ms
Remote clock offset: -7.952 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 17.605 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 17.605 ms
Loss rate: 0.91%
```

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

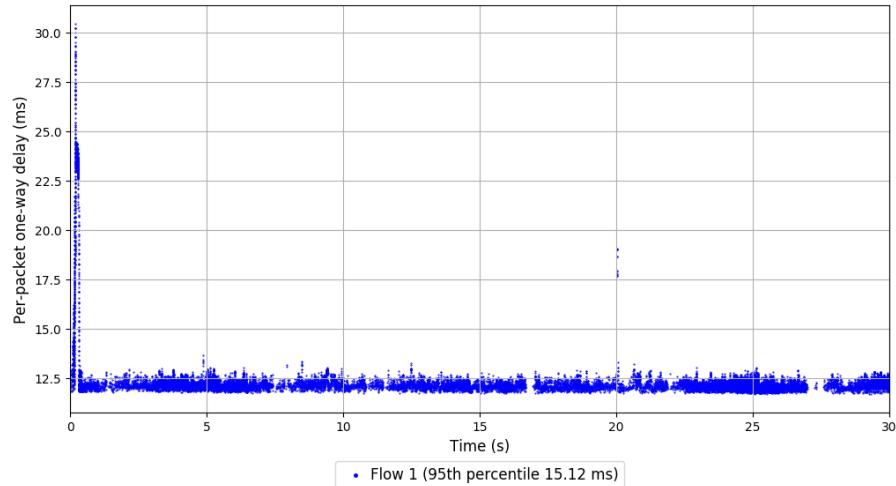
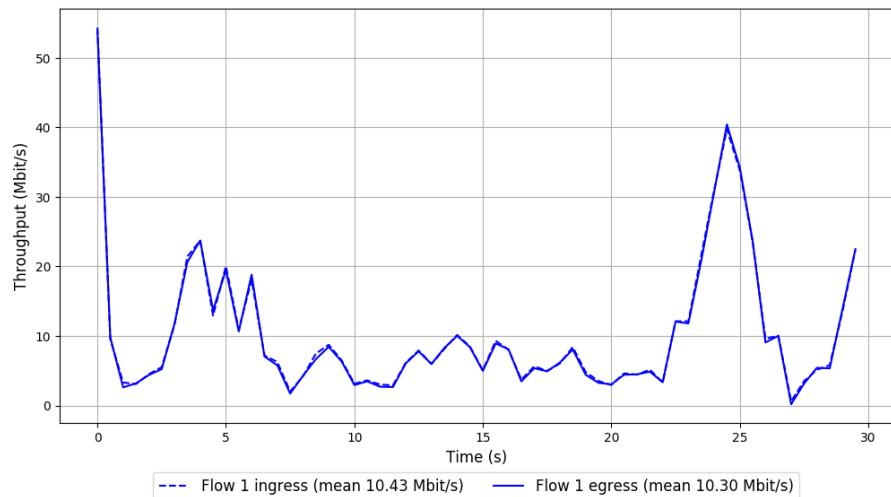


Run 4: Statistics of TCP Vegas

```
Start at: 2018-04-17 05:50:05
End at: 2018-04-17 05:50:35
Local clock offset: -3.996 ms
Remote clock offset: -7.102 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 15.116 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 15.116 ms
Loss rate: 1.24%
```

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

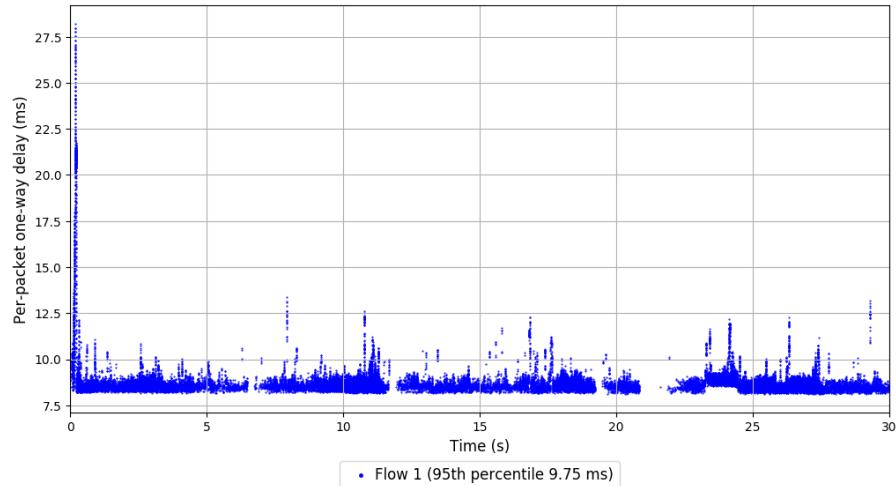
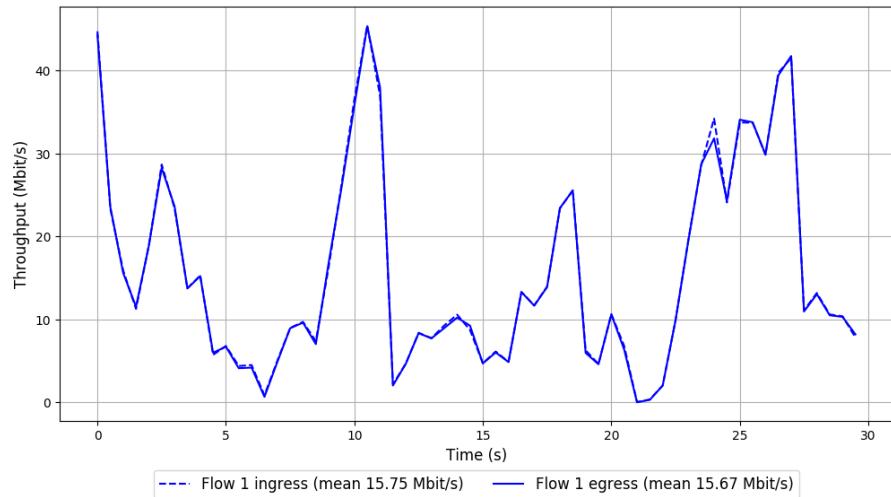


Run 5: Statistics of TCP Vegas

```
Start at: 2018-04-17 06:09:56
End at: 2018-04-17 06:10:26
Local clock offset: -2.78 ms
Remote clock offset: -4.664 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 9.754 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 9.754 ms
Loss rate: 0.53%
```

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

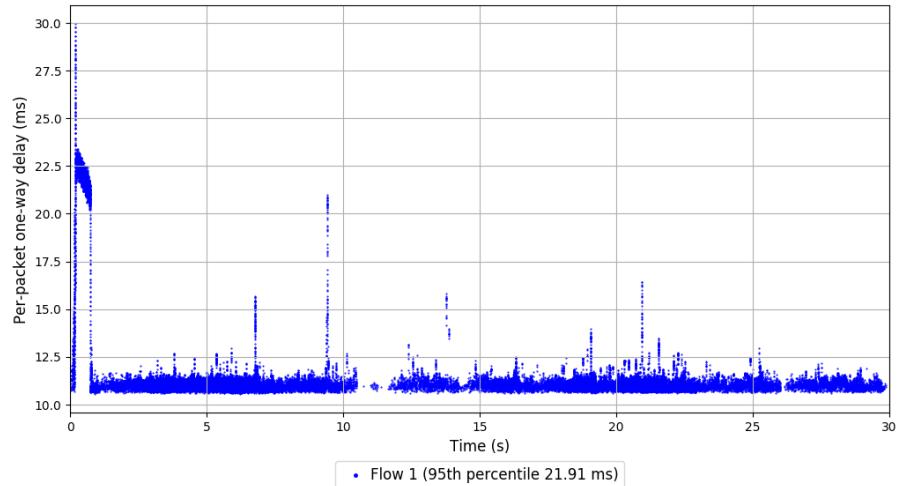
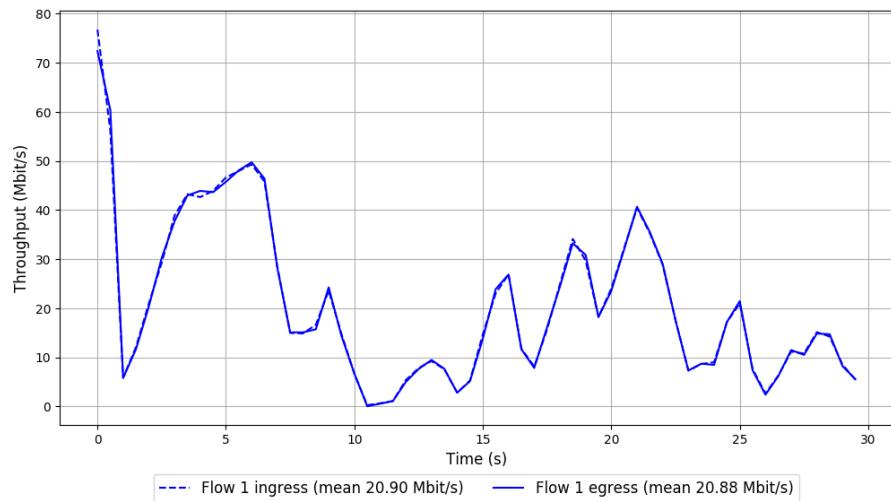


Run 6: Statistics of TCP Vegas

```
Start at: 2018-04-17 06:29:51
End at: 2018-04-17 06:30:21
Local clock offset: -4.705 ms
Remote clock offset: -6.077 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 21.905 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 21.905 ms
Loss rate: 0.21%
```

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

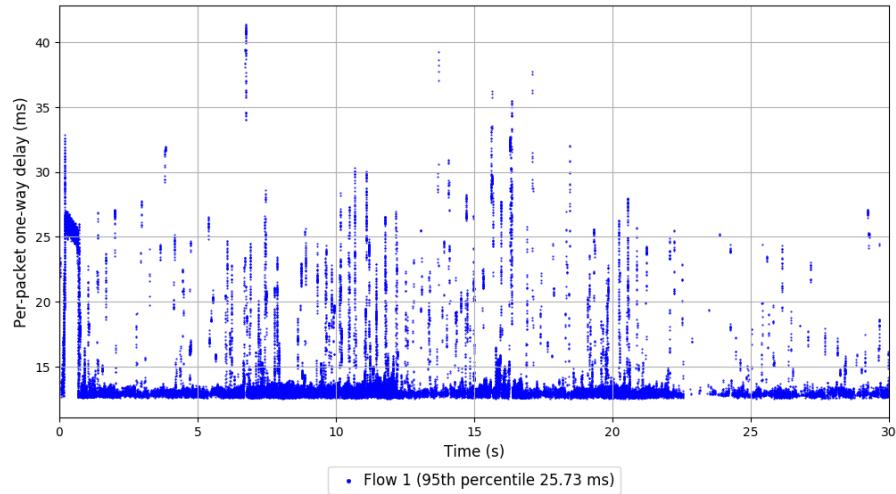
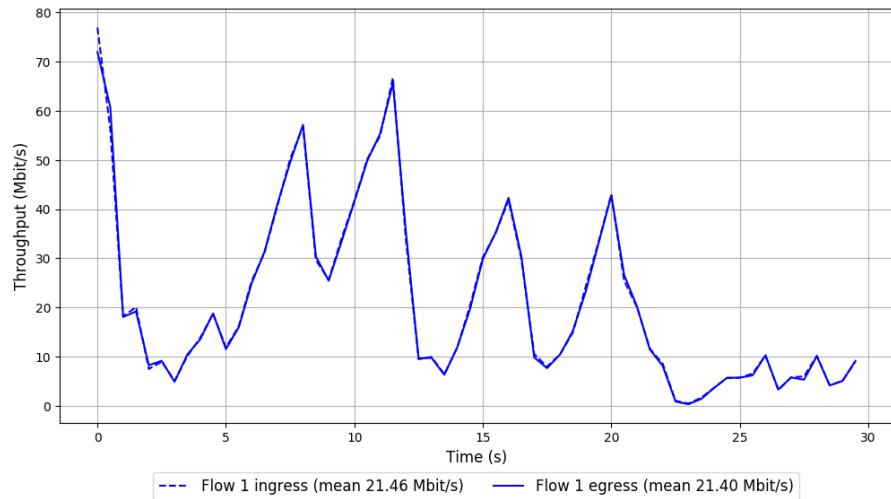


Run 7: Statistics of TCP Vegas

```
Start at: 2018-04-17 06:49:39
End at: 2018-04-17 06:50:09
Local clock offset: -11.866 ms
Remote clock offset: -4.946 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 25.731 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 25.731 ms
Loss rate: 0.31%
```

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

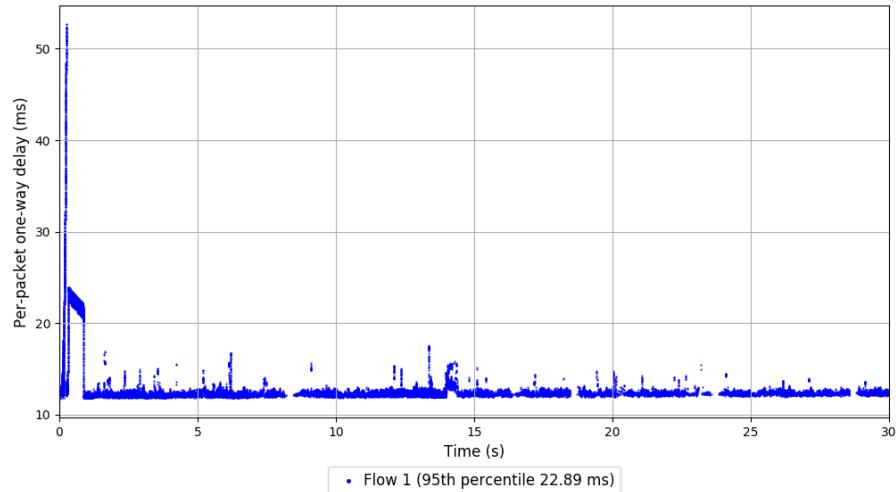
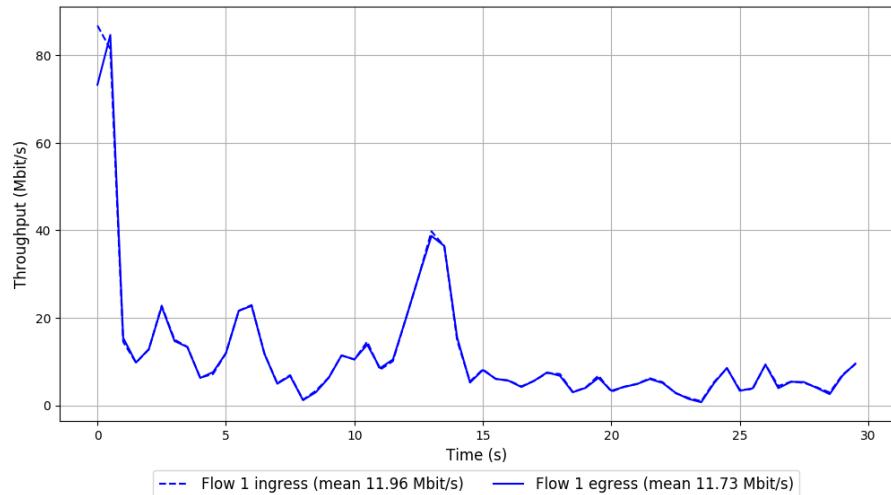


Run 8: Statistics of TCP Vegas

```
Start at: 2018-04-17 07:09:38
End at: 2018-04-17 07:10:08
Local clock offset: -10.277 ms
Remote clock offset: -2.495 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 22.886 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 22.886 ms
Loss rate: 1.95%
```

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

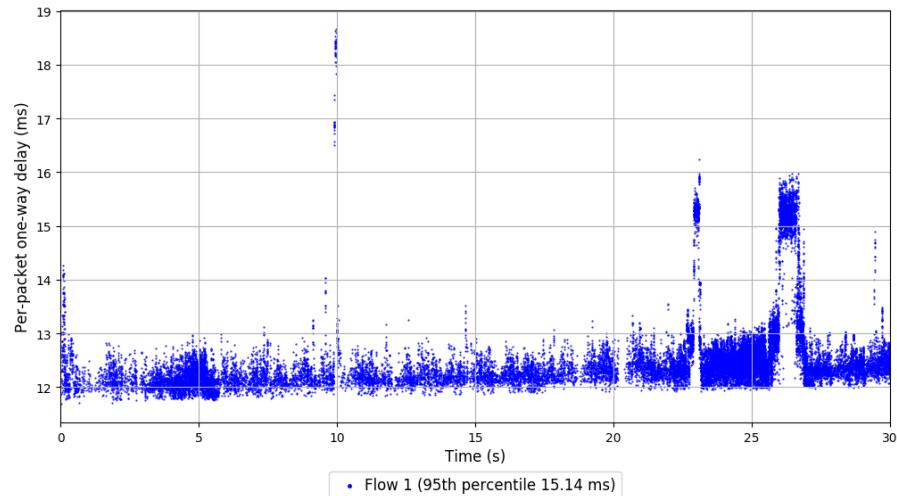
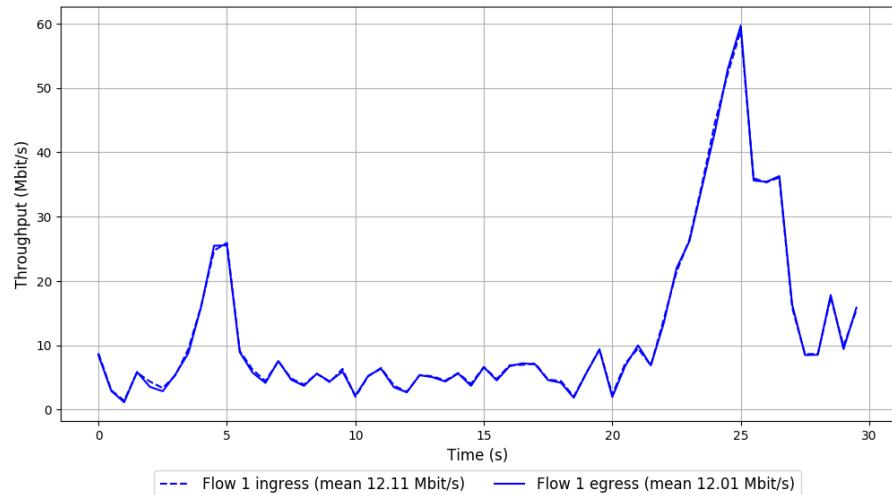


Run 9: Statistics of TCP Vegas

```
Start at: 2018-04-17 07:29:29
End at: 2018-04-17 07:29:59
Local clock offset: -3.434 ms
Remote clock offset: -3.906 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 15.143 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 15.143 ms
Loss rate: 0.84%
```

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

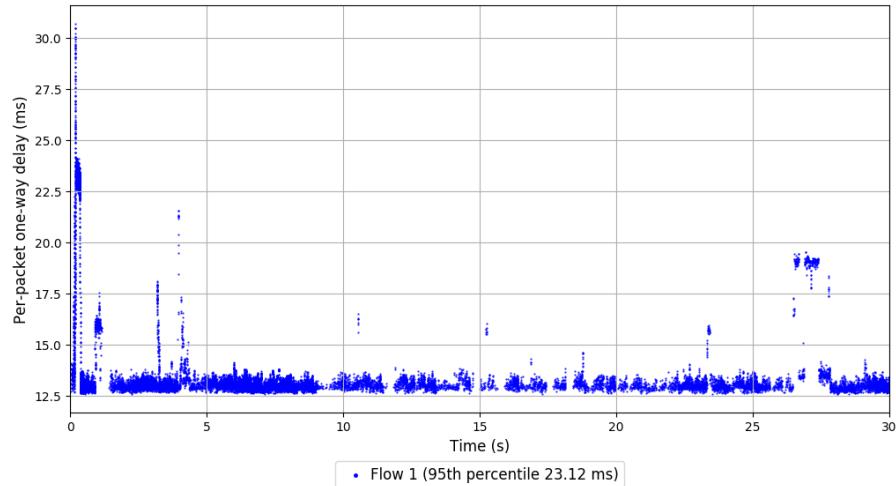
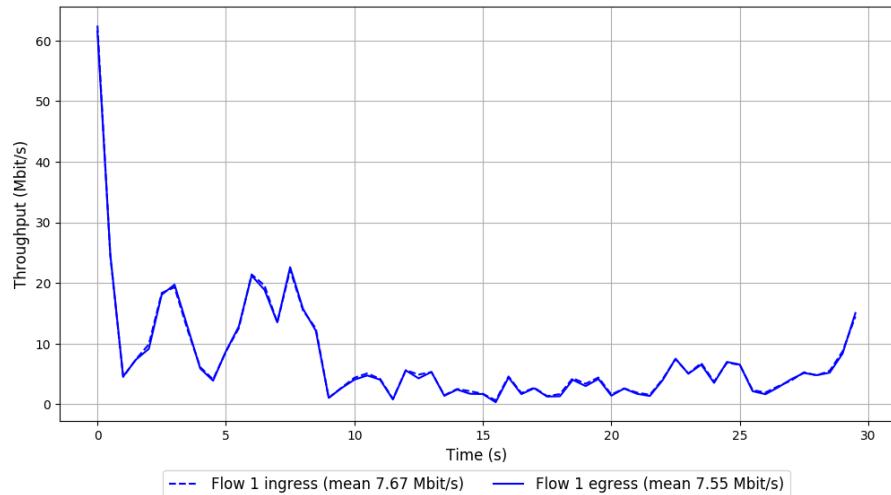


Run 10: Statistics of TCP Vegas

```
Start at: 2018-04-17 07:49:06
End at: 2018-04-17 07:49:36
Local clock offset: -6.0 ms
Remote clock offset: -8.706 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 23.125 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 23.125 ms
Loss rate: 1.62%
```

Run 10: Report of TCP Vegas — Data Link

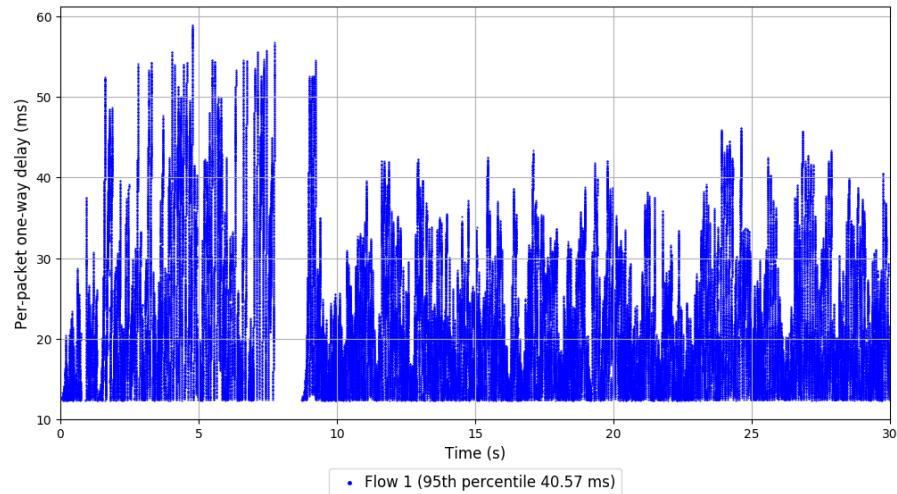
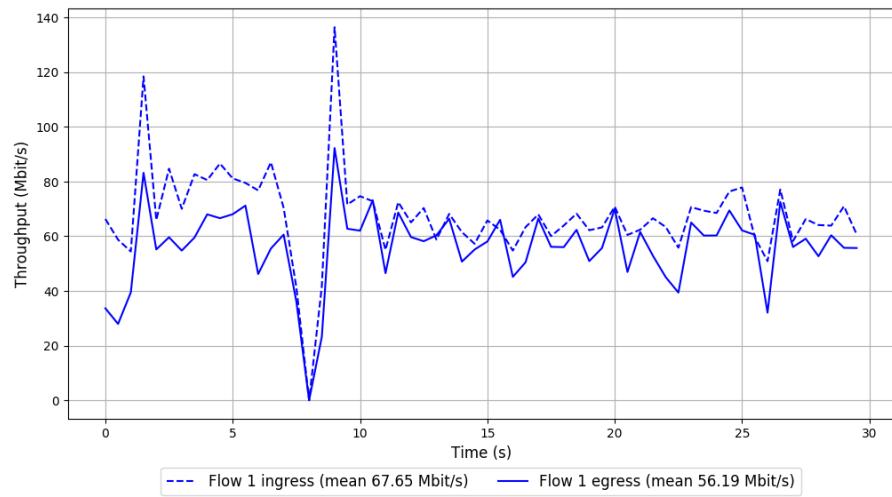


Run 1: Statistics of Verus

```
Start at: 2018-04-17 04:48:09
End at: 2018-04-17 04:48:39
Local clock offset: -4.588 ms
Remote clock offset: -7.641 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 40.571 ms
Loss rate: 16.92%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 40.571 ms
Loss rate: 16.92%
```

Run 1: Report of Verus — Data Link

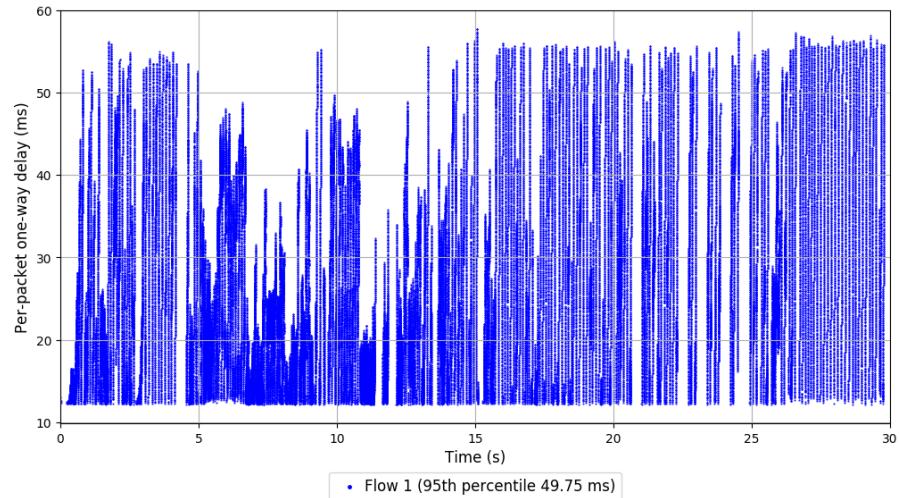
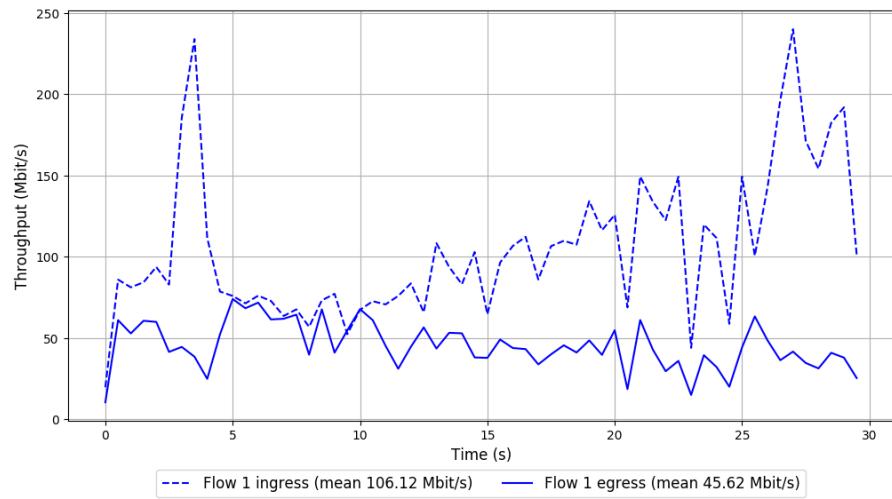


Run 2: Statistics of Verus

```
Start at: 2018-04-17 05:08:04
End at: 2018-04-17 05:08:34
Local clock offset: -9.218 ms
Remote clock offset: -7.788 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 49.747 ms
Loss rate: 56.99%
-- Flow 1:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 49.747 ms
Loss rate: 56.99%
```

## Run 2: Report of Verus — Data Link

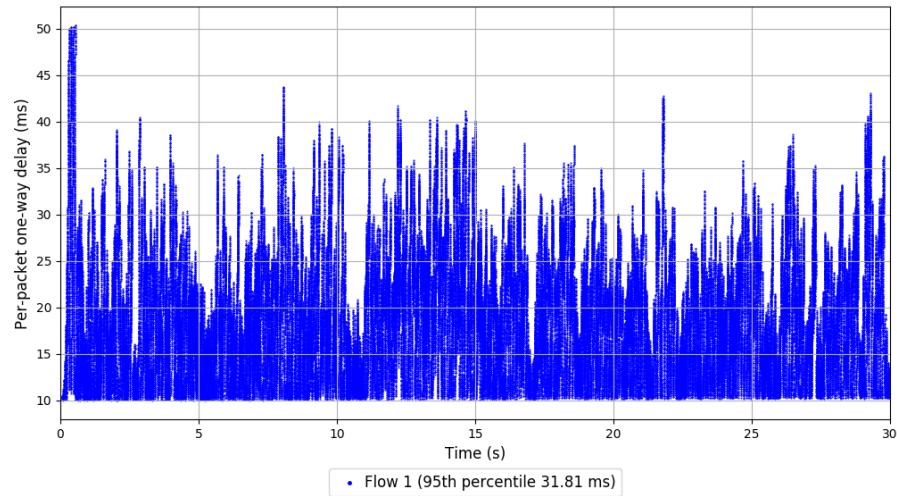
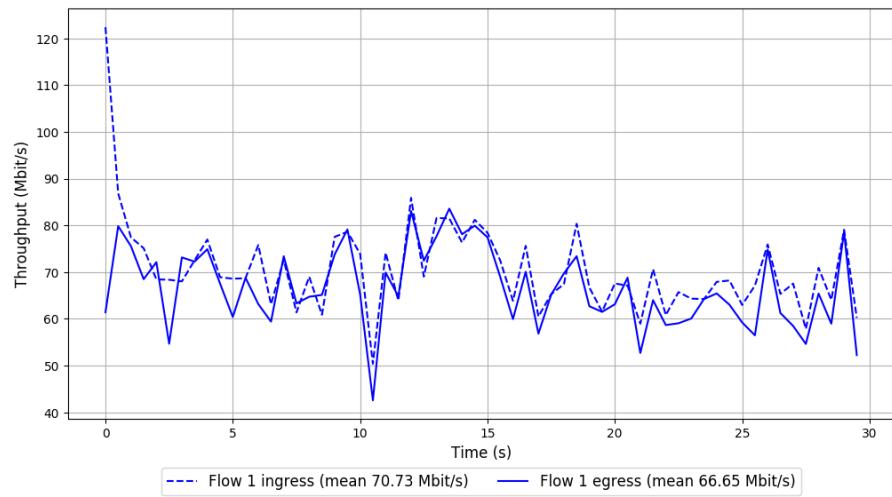


Run 3: Statistics of Verus

```
Start at: 2018-04-17 05:27:45
End at: 2018-04-17 05:28:15
Local clock offset: -5.522 ms
Remote clock offset: -8.623 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.65 Mbit/s
95th percentile per-packet one-way delay: 31.814 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 66.65 Mbit/s
95th percentile per-packet one-way delay: 31.814 ms
Loss rate: 5.77%
```

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

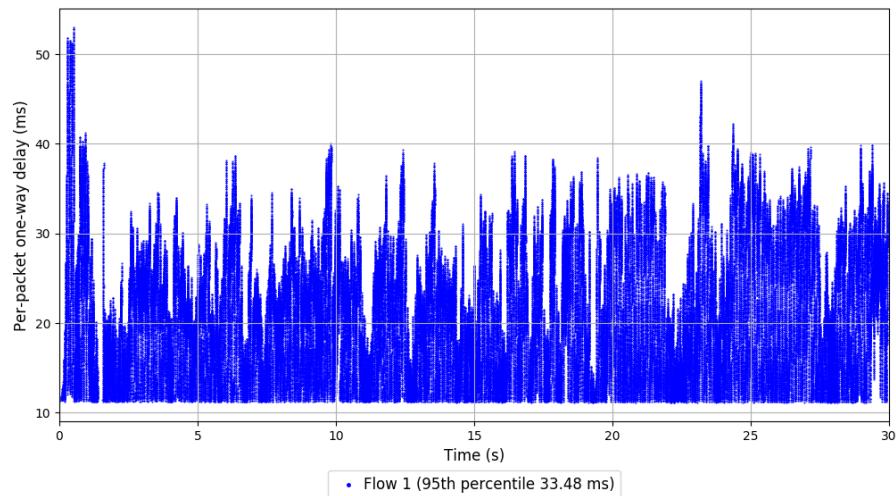
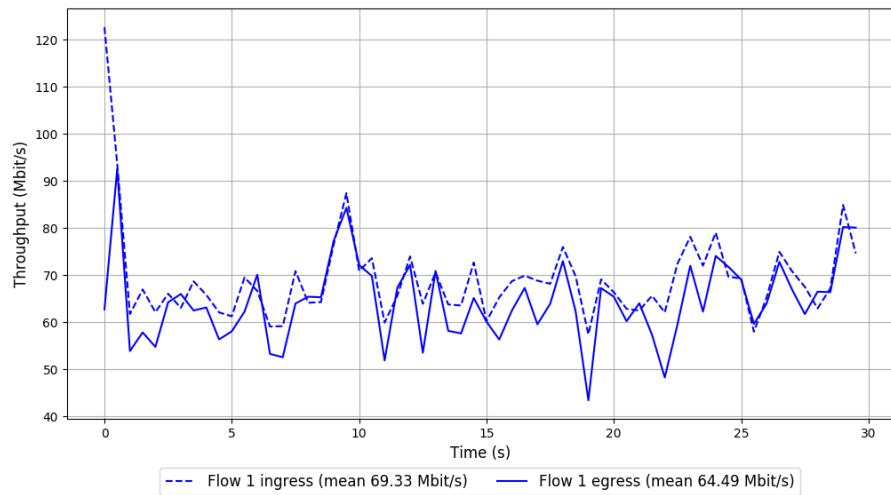


Run 4: Statistics of Verus

```
Start at: 2018-04-17 05:47:47
End at: 2018-04-17 05:48:17
Local clock offset: -3.36 ms
Remote clock offset: -6.841 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 33.484 ms
Loss rate: 6.91%
-- Flow 1:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 33.484 ms
Loss rate: 6.91%
```

## Run 4: Report of Verus — Data Link

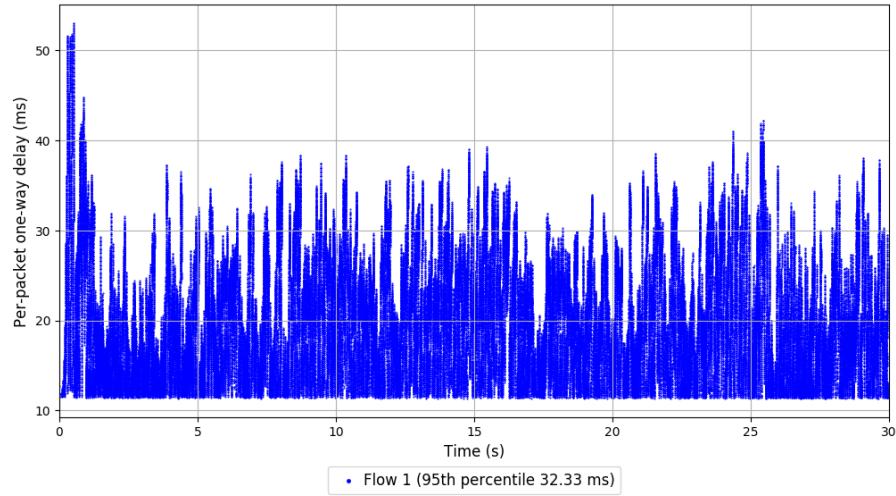
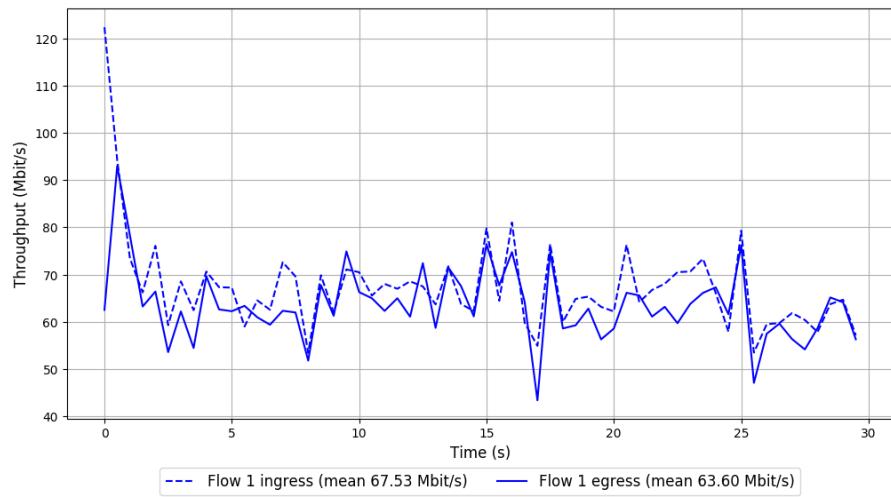


Run 5: Statistics of Verus

```
Start at: 2018-04-17 06:07:30
End at: 2018-04-17 06:08:00
Local clock offset: -5.285 ms
Remote clock offset: -4.286 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 32.326 ms
Loss rate: 5.81%
-- Flow 1:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 32.326 ms
Loss rate: 5.81%
```

Run 5: Report of Verus — Data Link

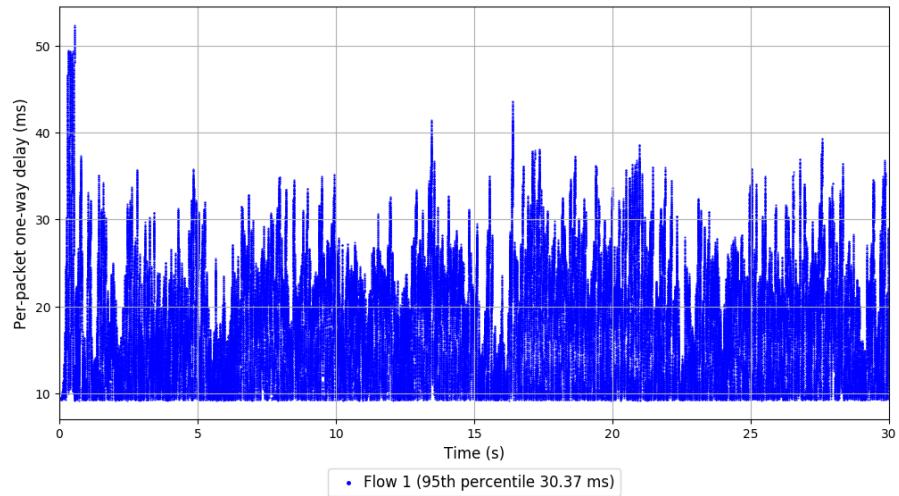
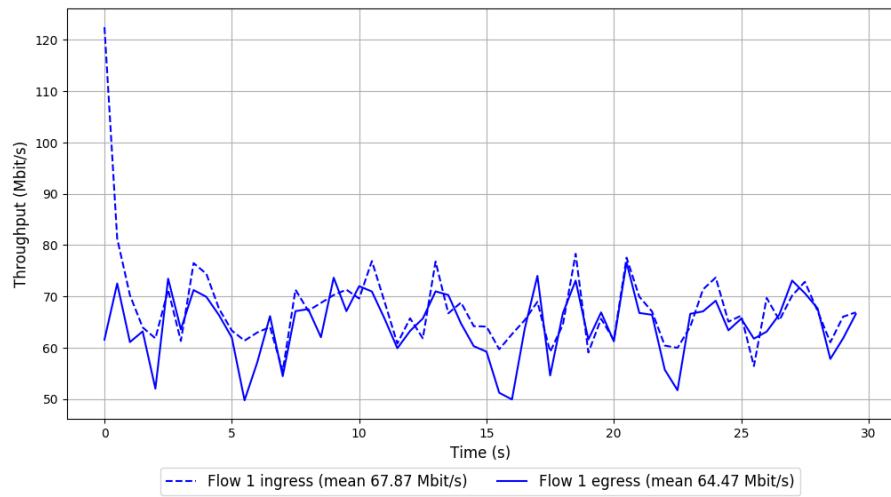


Run 6: Statistics of Verus

```
Start at: 2018-04-17 06:27:28
End at: 2018-04-17 06:27:58
Local clock offset: -3.225 ms
Remote clock offset: -5.805 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 30.369 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 30.369 ms
Loss rate: 4.95%
```

## Run 6: Report of Verus — Data Link

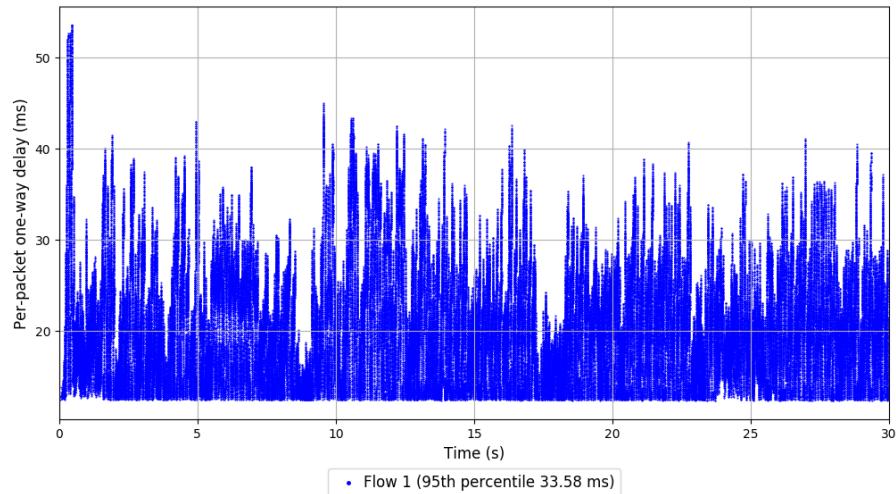
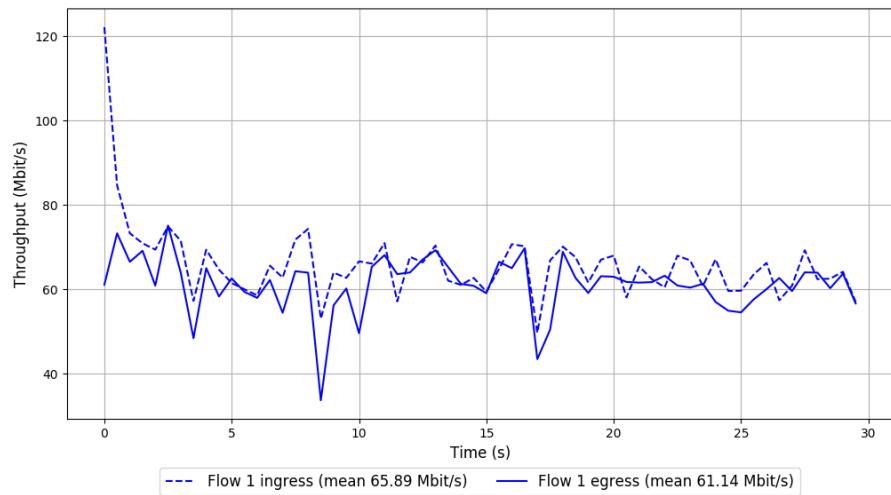


Run 7: Statistics of Verus

```
Start at: 2018-04-17 06:47:19
End at: 2018-04-17 06:47:49
Local clock offset: -11.627 ms
Remote clock offset: -6.214 ms

# Below is generated by plot.py at 2018-04-17 08:43:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 33.583 ms
Loss rate: 7.19%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 33.583 ms
Loss rate: 7.19%
```

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

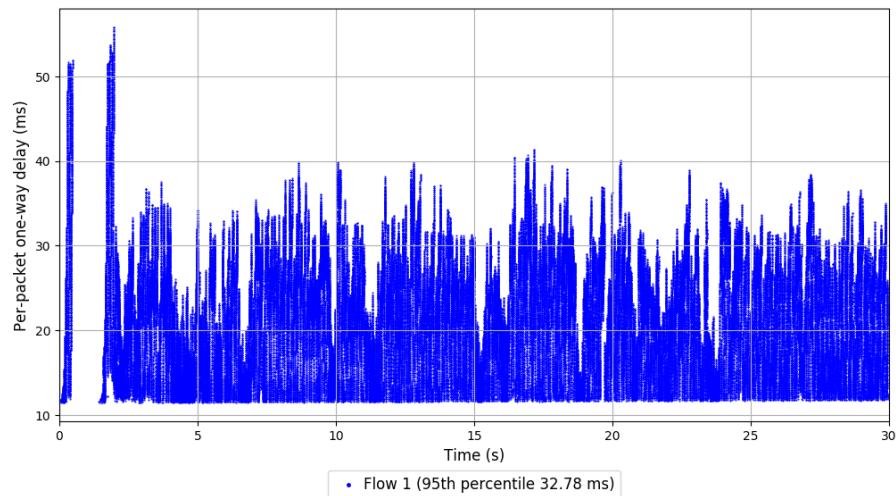
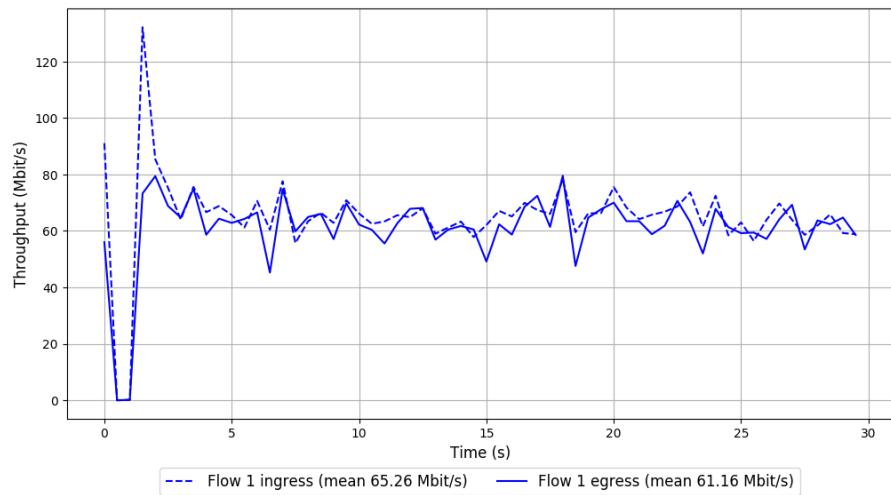


Run 8: Statistics of Verus

```
Start at: 2018-04-17 07:07:18
End at: 2018-04-17 07:07:48
Local clock offset: -10.499 ms
Remote clock offset: -2.81 ms

# Below is generated by plot.py at 2018-04-17 08:43:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 32.780 ms
Loss rate: 6.28%
-- Flow 1:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 32.780 ms
Loss rate: 6.28%
```

Run 8: Report of Verus — Data Link

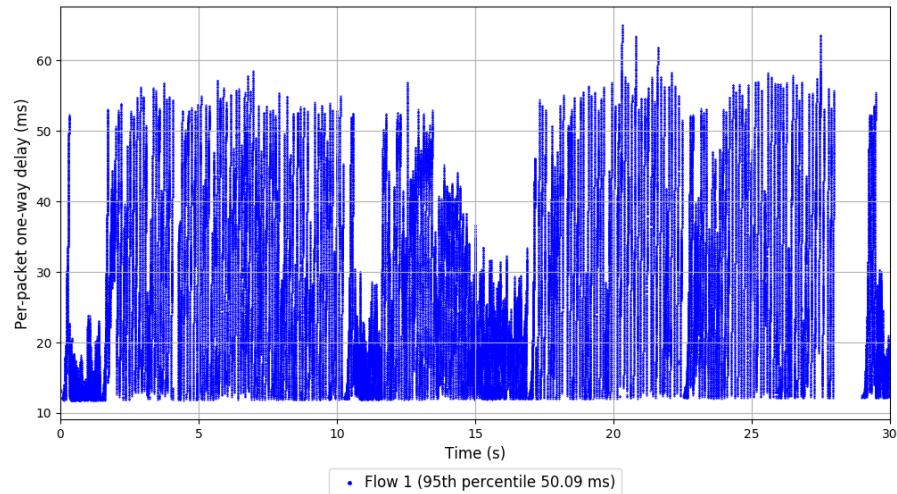
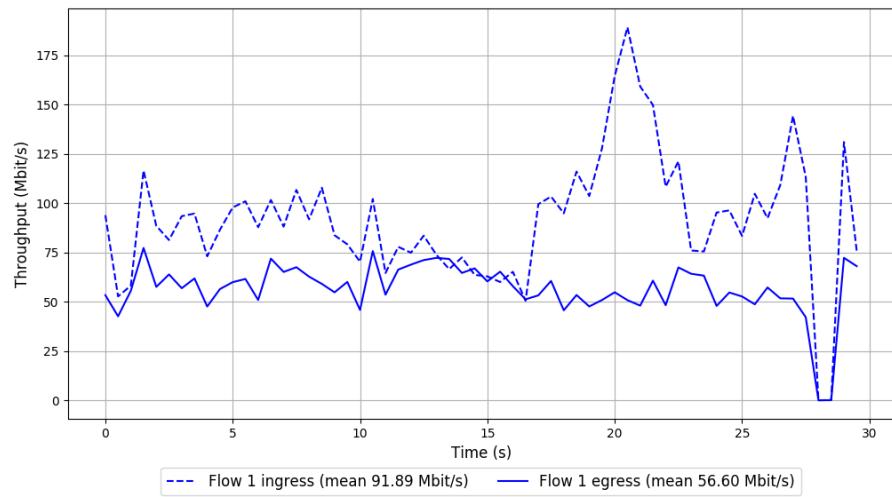


Run 9: Statistics of Verus

```
Start at: 2018-04-17 07:27:13
End at: 2018-04-17 07:27:43
Local clock offset: -4.777 ms
Remote clock offset: -2.524 ms

# Below is generated by plot.py at 2018-04-17 08:43:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 50.095 ms
Loss rate: 38.38%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 50.095 ms
Loss rate: 38.38%
```

Run 9: Report of Verus — Data Link

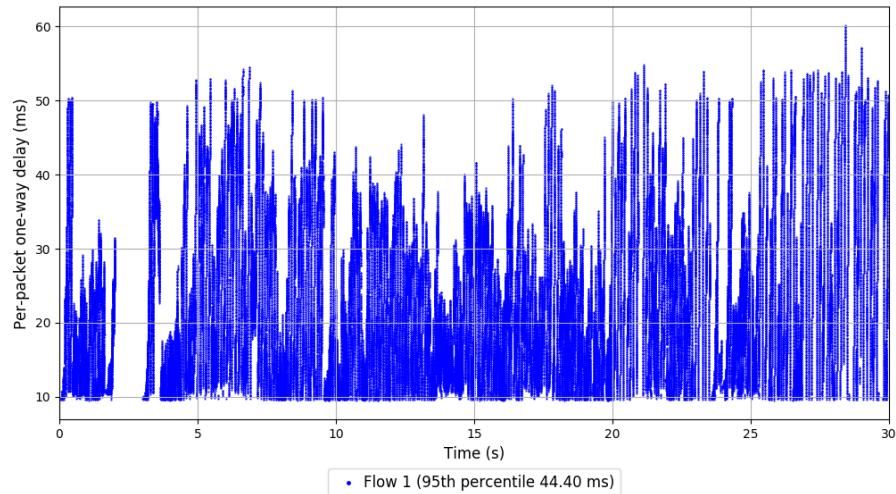
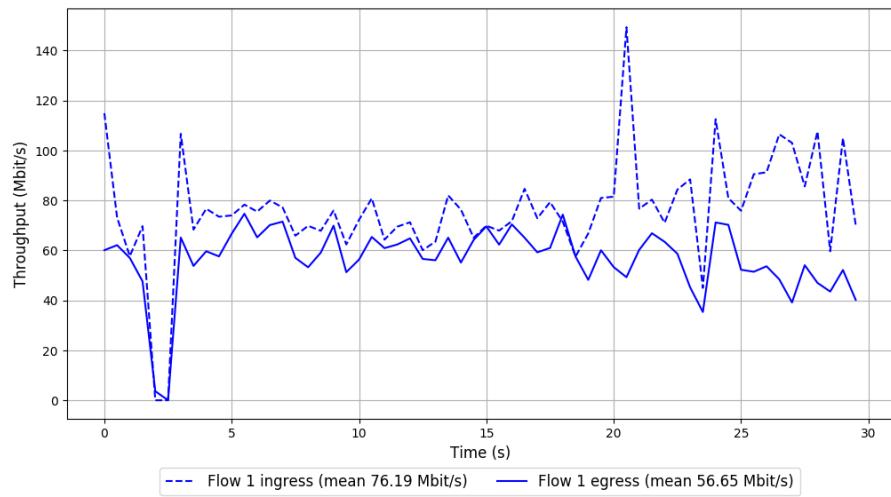


Run 10: Statistics of Verus

```
Start at: 2018-04-17 07:46:49
End at: 2018-04-17 07:47:19
Local clock offset: -3.969 ms
Remote clock offset: -9.055 ms

# Below is generated by plot.py at 2018-04-17 08:43:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 44.403 ms
Loss rate: 25.55%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 44.403 ms
Loss rate: 25.55%
```

Run 10: Report of Verus — Data Link

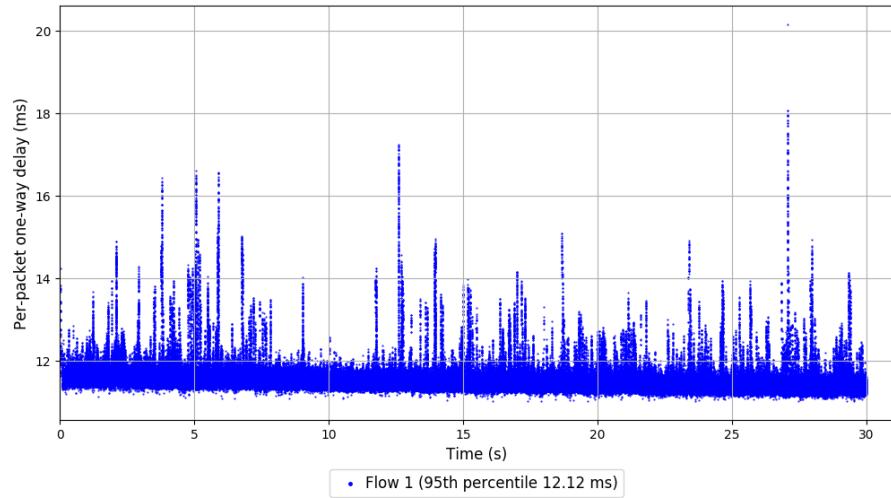
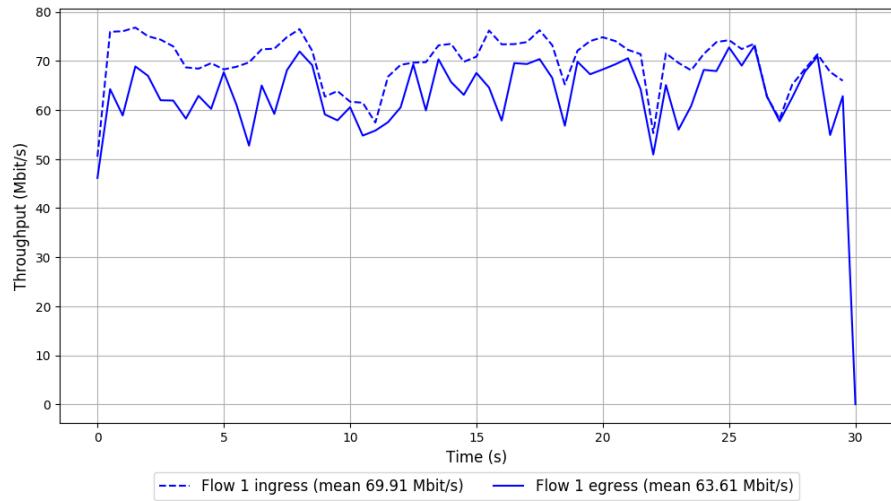


Run 1: Statistics of Copa

```
Start at: 2018-04-17 04:52:39
End at: 2018-04-17 04:53:09
Local clock offset: -6.071 ms
Remote clock offset: -8.589 ms

# Below is generated by plot.py at 2018-04-17 08:44:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.61 Mbit/s
95th percentile per-packet one-way delay: 12.116 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 63.61 Mbit/s
95th percentile per-packet one-way delay: 12.116 ms
Loss rate: 9.01%
```

### Run 1: Report of Copa — Data Link

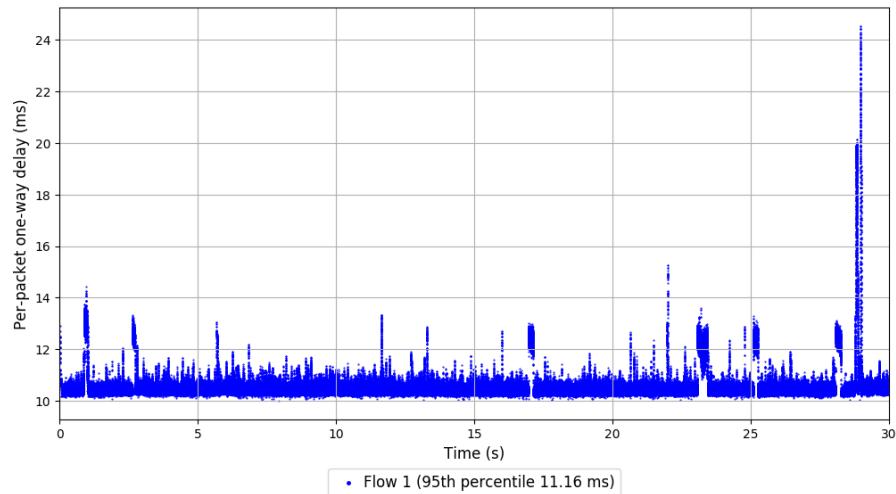
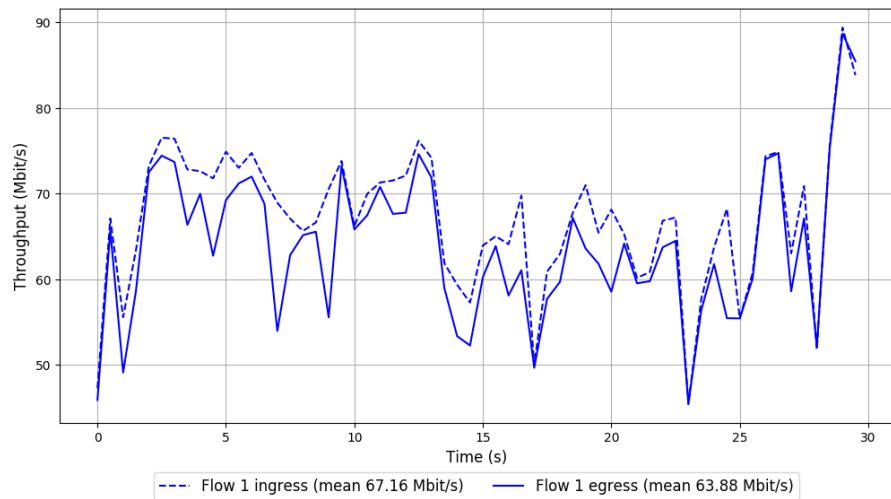


Run 2: Statistics of Copa

```
Start at: 2018-04-17 05:12:31
End at: 2018-04-17 05:13:01
Local clock offset: -7.18 ms
Remote clock offset: -7.756 ms

# Below is generated by plot.py at 2018-04-17 08:44:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.88 Mbit/s
95th percentile per-packet one-way delay: 11.161 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 63.88 Mbit/s
95th percentile per-packet one-way delay: 11.161 ms
Loss rate: 4.89%
```

## Run 2: Report of Copa — Data Link

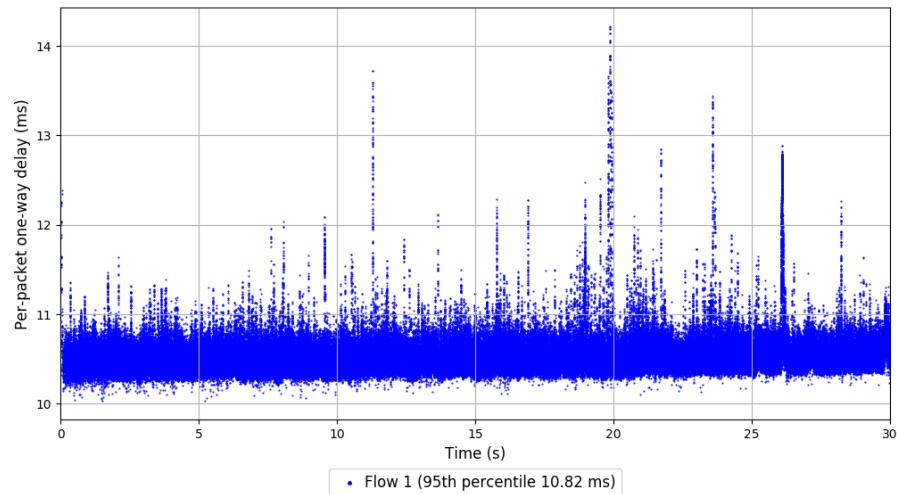
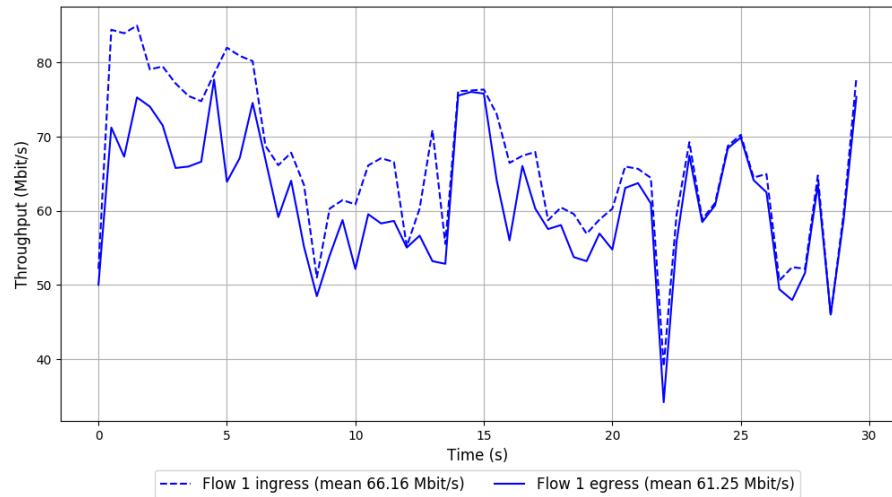


Run 3: Statistics of Copa

```
Start at: 2018-04-17 05:32:17
End at: 2018-04-17 05:32:47
Local clock offset: -3.569 ms
Remote clock offset: -8.153 ms

# Below is generated by plot.py at 2018-04-17 08:44:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 10.821 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 10.821 ms
Loss rate: 7.42%
```

### Run 3: Report of Copa — Data Link

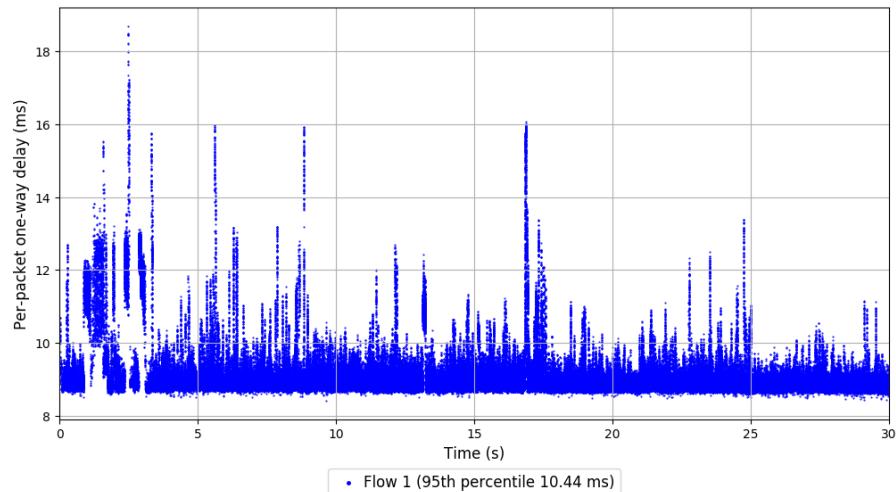
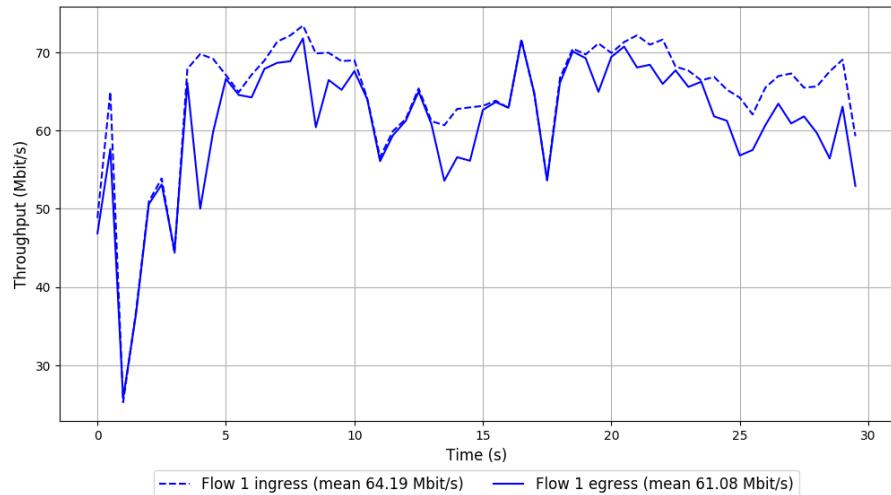


Run 4: Statistics of Copa

```
Start at: 2018-04-17 05:52:15
End at: 2018-04-17 05:52:45
Local clock offset: -0.967 ms
Remote clock offset: -6.415 ms

# Below is generated by plot.py at 2018-04-17 08:45:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.08 Mbit/s
95th percentile per-packet one-way delay: 10.440 ms
Loss rate: 4.85%
-- Flow 1:
Average throughput: 61.08 Mbit/s
95th percentile per-packet one-way delay: 10.440 ms
Loss rate: 4.85%
```

Run 4: Report of Copa — Data Link

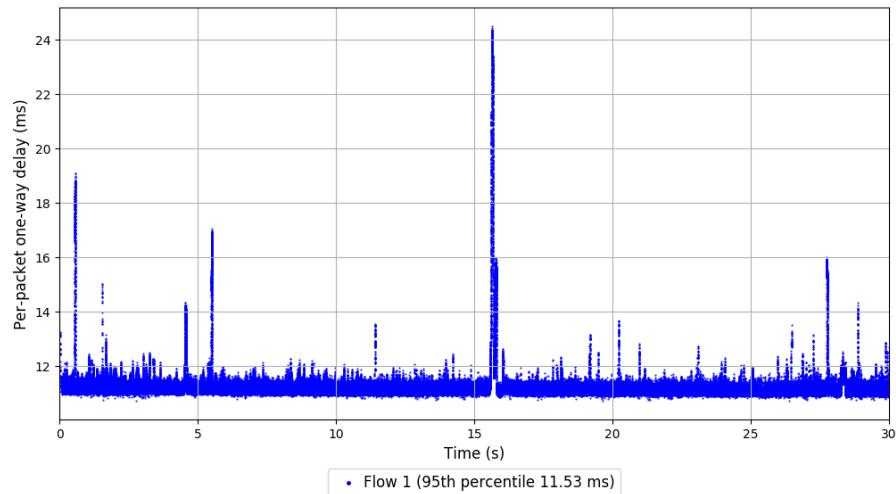
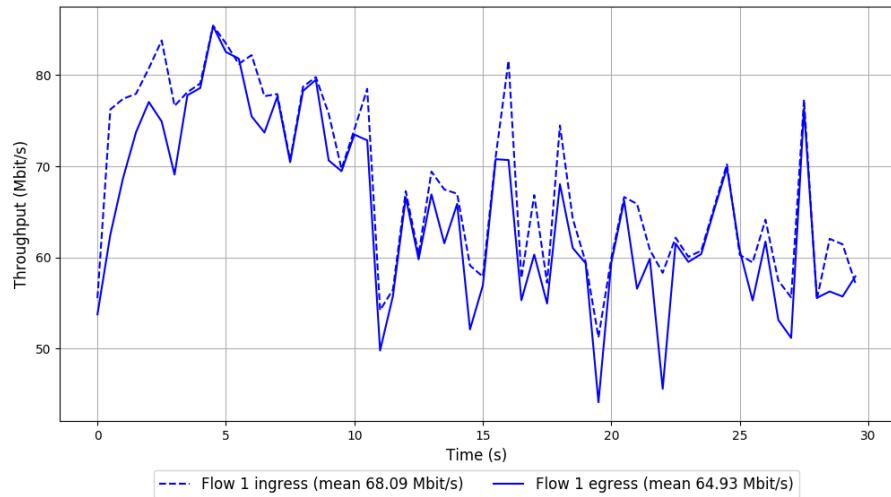


Run 5: Statistics of Copa

```
Start at: 2018-04-17 06:12:08
End at: 2018-04-17 06:12:38
Local clock offset: -3.448 ms
Remote clock offset: -3.406 ms

# Below is generated by plot.py at 2018-04-17 08:45:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 11.529 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 11.529 ms
Loss rate: 4.63%
```

Run 5: Report of Copa — Data Link

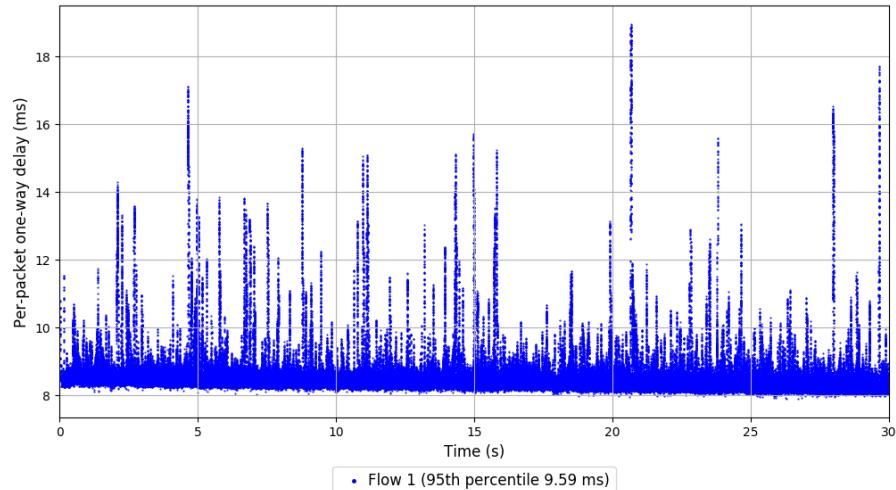
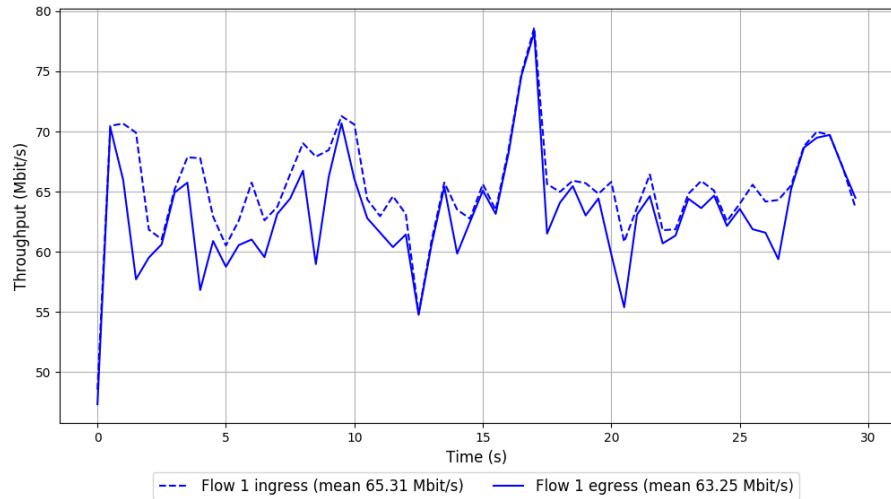


Run 6: Statistics of Copa

```
Start at: 2018-04-17 06:32:03
End at: 2018-04-17 06:32:33
Local clock offset: -3.432 ms
Remote clock offset: -5.868 ms

# Below is generated by plot.py at 2018-04-17 08:45:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.25 Mbit/s
95th percentile per-packet one-way delay: 9.588 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 63.25 Mbit/s
95th percentile per-packet one-way delay: 9.588 ms
Loss rate: 3.16%
```

## Run 6: Report of Copa — Data Link

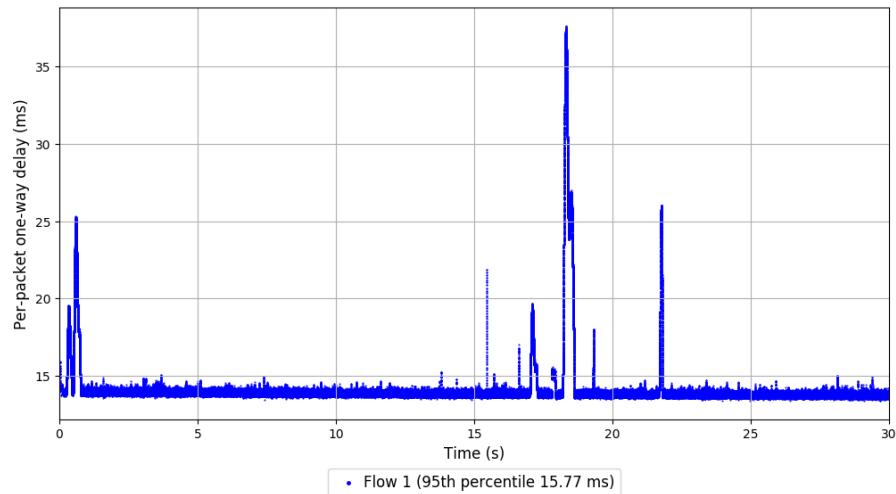
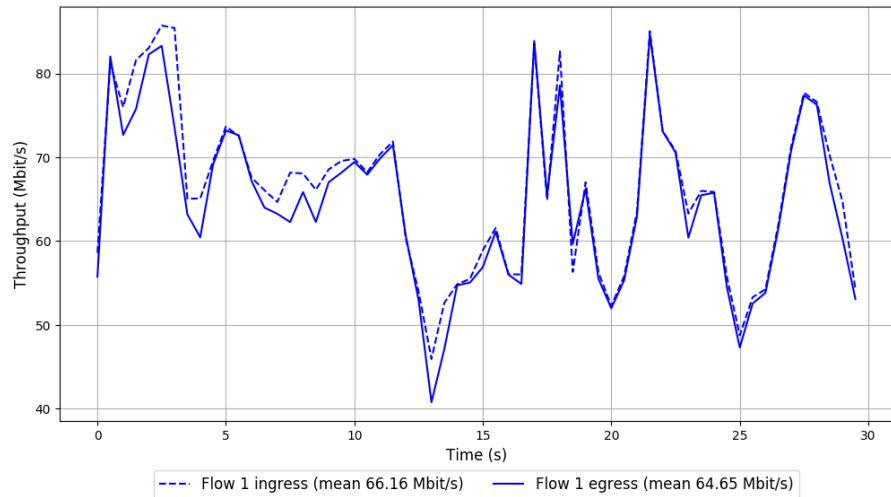


Run 7: Statistics of Copa

```
Start at: 2018-04-17 06:51:51
End at: 2018-04-17 06:52:21
Local clock offset: -11.918 ms
Remote clock offset: -4.515 ms

# Below is generated by plot.py at 2018-04-17 08:45:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 15.768 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 15.768 ms
Loss rate: 2.29%
```

### Run 7: Report of Copa — Data Link

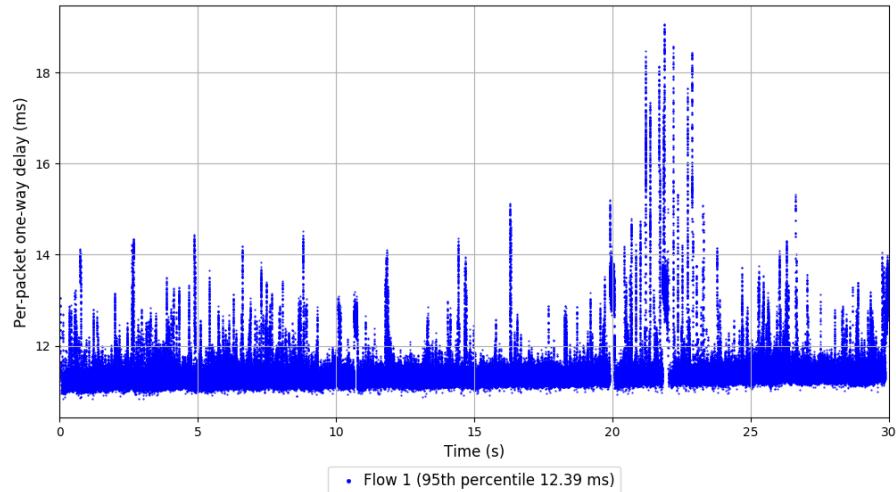
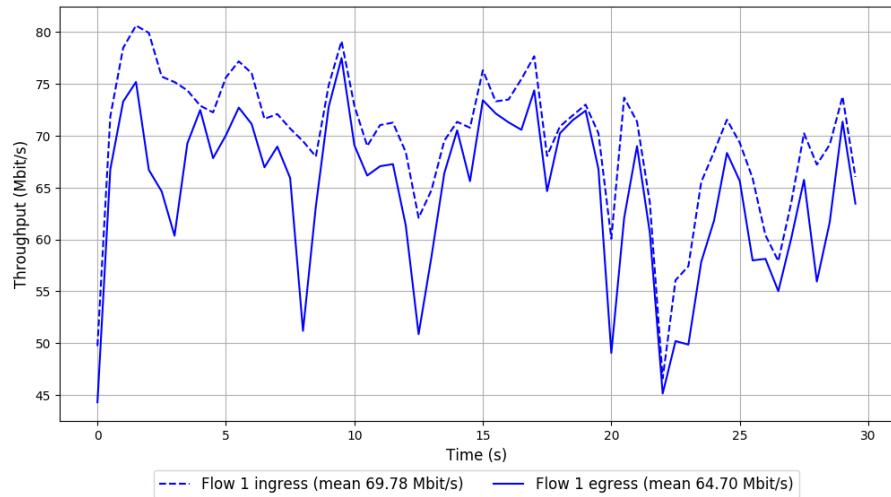


Run 8: Statistics of Copa

```
Start at: 2018-04-17 07:11:49
End at: 2018-04-17 07:12:20
Local clock offset: -9.21 ms
Remote clock offset: -3.211 ms

# Below is generated by plot.py at 2018-04-17 08:45:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 12.387 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 12.387 ms
Loss rate: 7.28%
```

Run 8: Report of Copa — Data Link

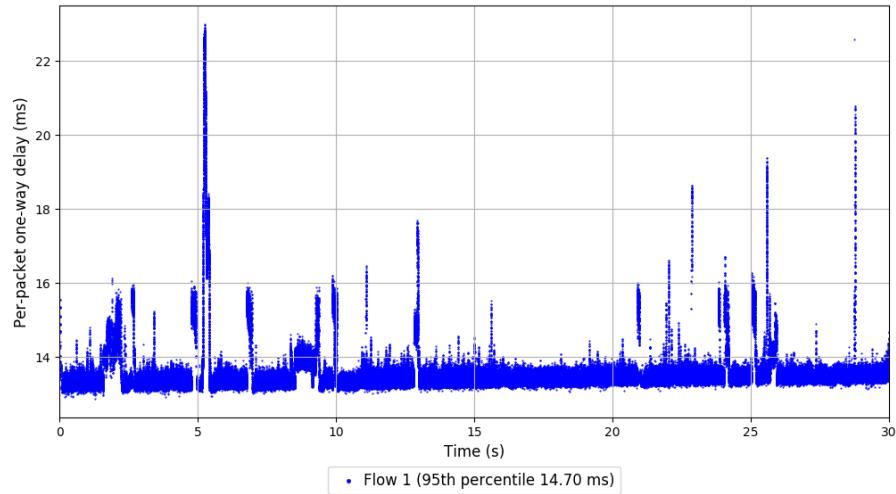
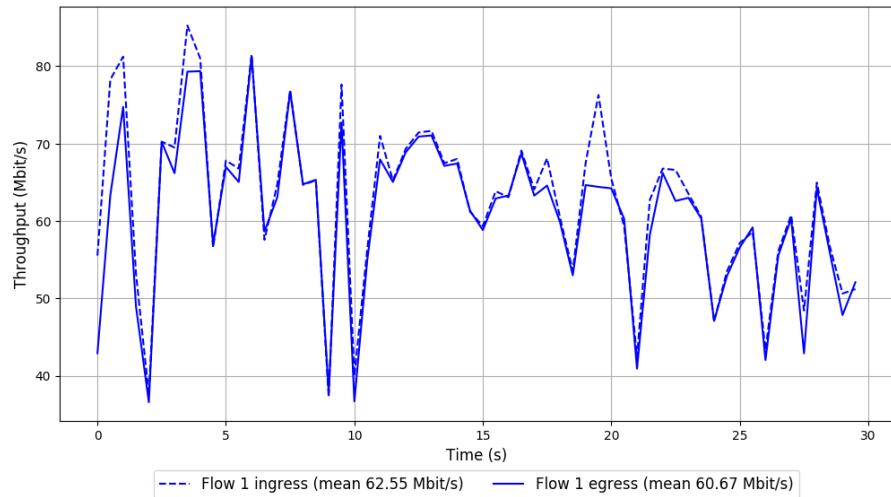


Run 9: Statistics of Copa

```
Start at: 2018-04-17 07:31:40
End at: 2018-04-17 07:32:10
Local clock offset: -4.48 ms
Remote clock offset: -4.924 ms

# Below is generated by plot.py at 2018-04-17 08:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 14.701 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 14.701 ms
Loss rate: 3.02%
```

Run 9: Report of Copa — Data Link

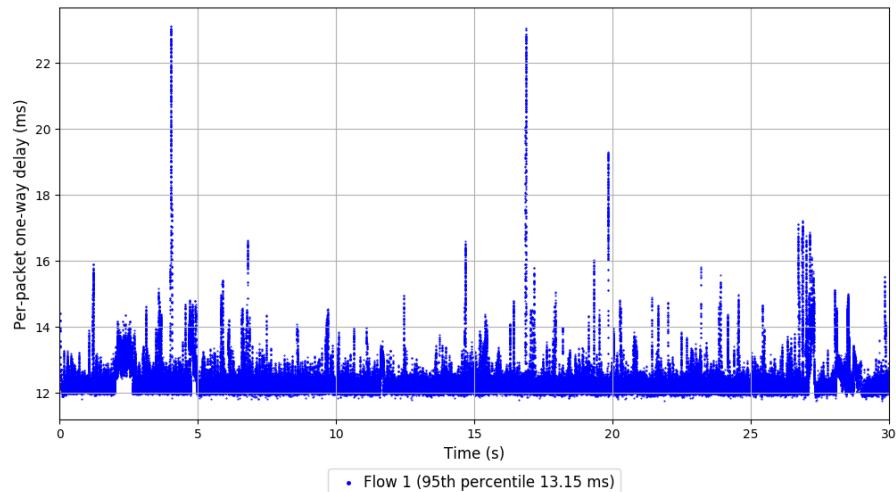
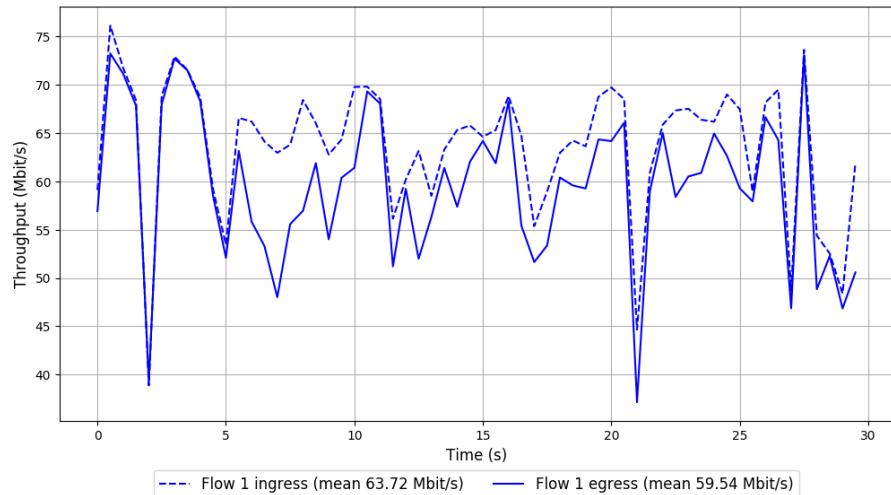


Run 10: Statistics of Copa

```
Start at: 2018-04-17 07:51:16
End at: 2018-04-17 07:51:46
Local clock offset: -6.021 ms
Remote clock offset: -8.55 ms

# Below is generated by plot.py at 2018-04-17 08:46:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 13.146 ms
Loss rate: 6.57%
-- Flow 1:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 13.146 ms
Loss rate: 6.57%
```

Run 10: Report of Copa — Data Link

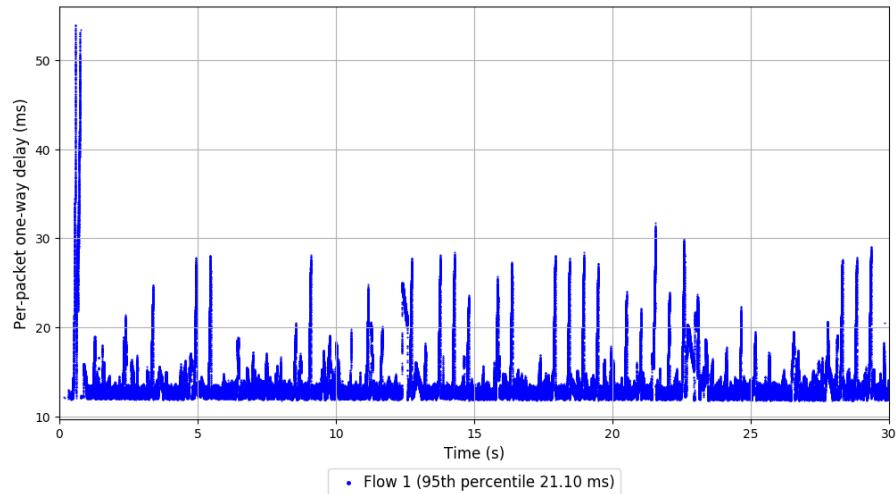
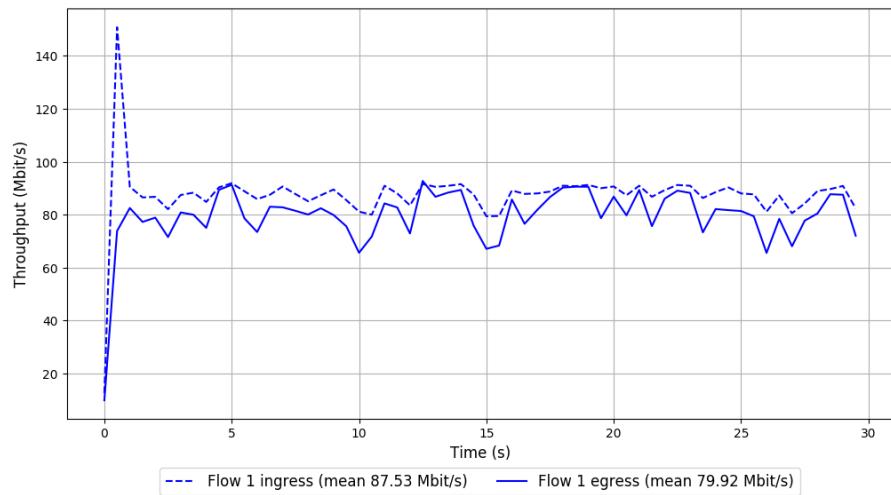


```
Run 1: Statistics of FillP

Start at: 2018-04-17 04:53:53
End at: 2018-04-17 04:54:23
Local clock offset: -6.464 ms
Remote clock offset: -7.824 ms

# Below is generated by plot.py at 2018-04-17 08:46:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 21.101 ms
Loss rate: 9.15%
-- Flow 1:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 21.101 ms
Loss rate: 9.15%
```

Run 1: Report of FillP — Data Link

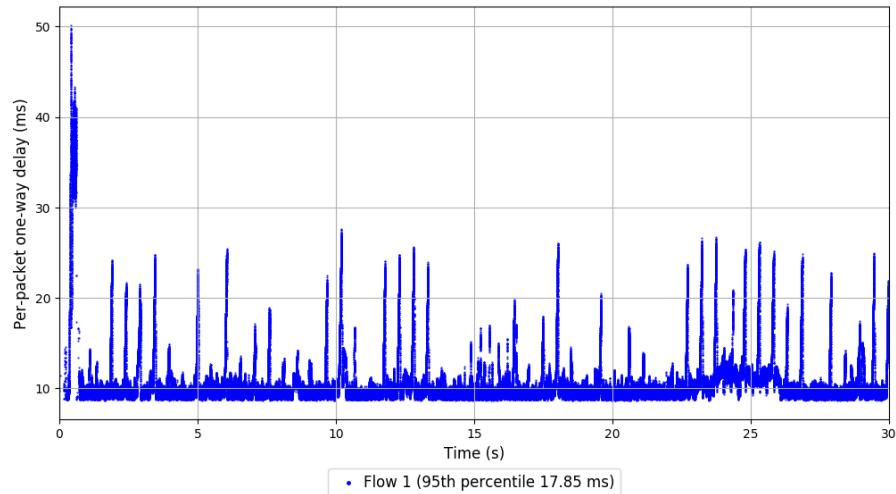
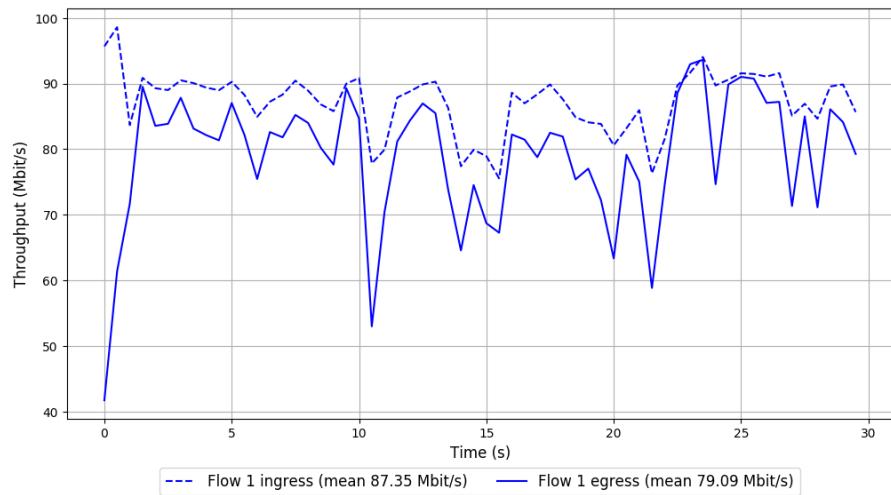


Run 2: Statistics of FillP

```
Start at: 2018-04-17 05:13:46
End at: 2018-04-17 05:14:16
Local clock offset: -7.059 ms
Remote clock offset: -8.567 ms

# Below is generated by plot.py at 2018-04-17 08:46:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 17.851 ms
Loss rate: 9.44%
-- Flow 1:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 17.851 ms
Loss rate: 9.44%
```

## Run 2: Report of FillP — Data Link

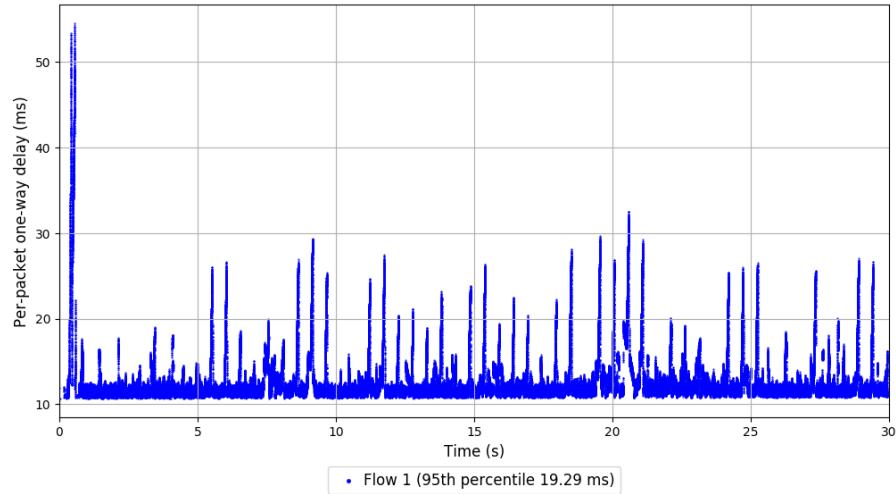
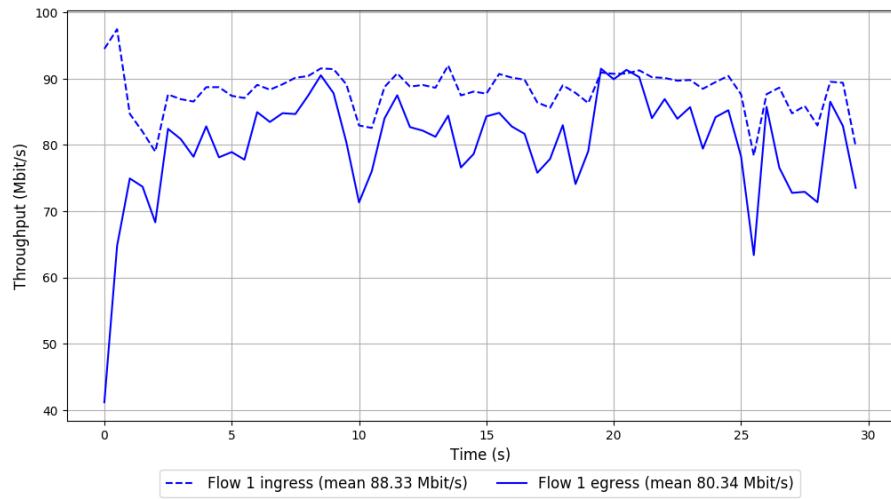


Run 3: Statistics of FillP

```
Start at: 2018-04-17 05:33:32
End at: 2018-04-17 05:34:02
Local clock offset: -5.226 ms
Remote clock offset: -8.933 ms

# Below is generated by plot.py at 2018-04-17 08:46:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 9.05%
-- Flow 1:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 9.05%
```

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

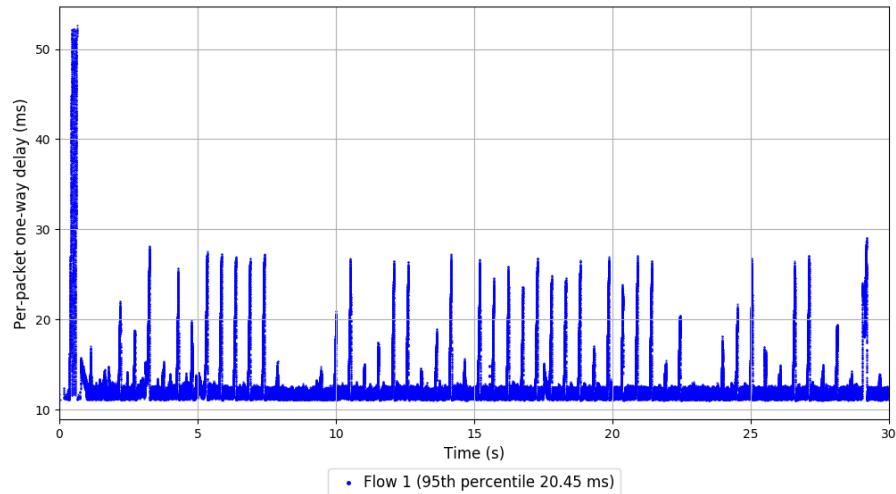
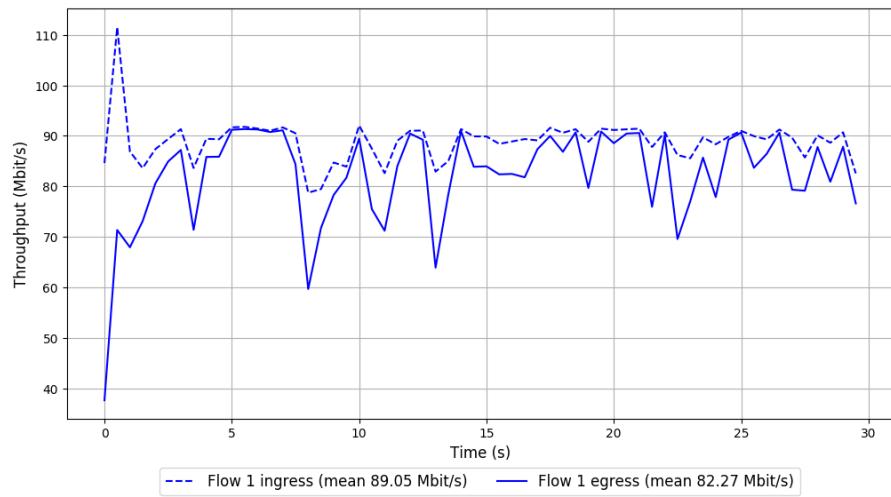


Run 4: Statistics of FillP

```
Start at: 2018-04-17 05:53:28
End at: 2018-04-17 05:53:58
Local clock offset: -3.114 ms
Remote clock offset: -6.53 ms

# Below is generated by plot.py at 2018-04-17 08:46:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.27 Mbit/s
95th percentile per-packet one-way delay: 20.445 ms
Loss rate: 7.61%
-- Flow 1:
Average throughput: 82.27 Mbit/s
95th percentile per-packet one-way delay: 20.445 ms
Loss rate: 7.61%
```

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

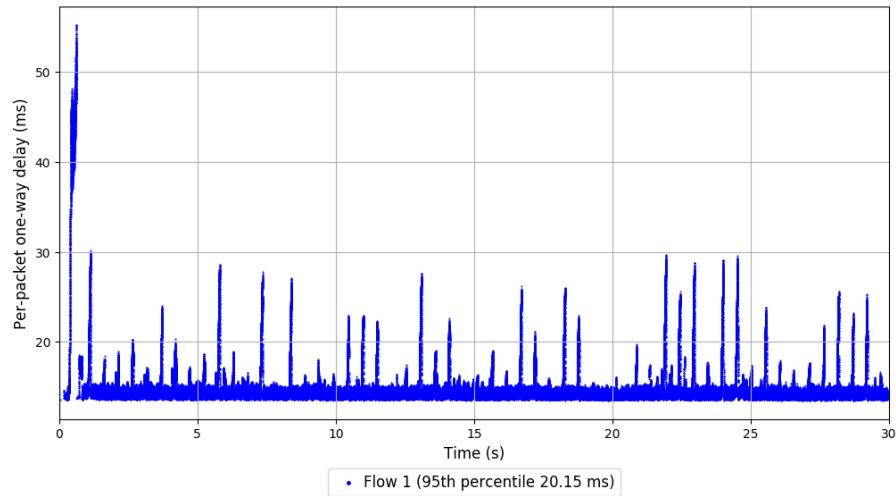
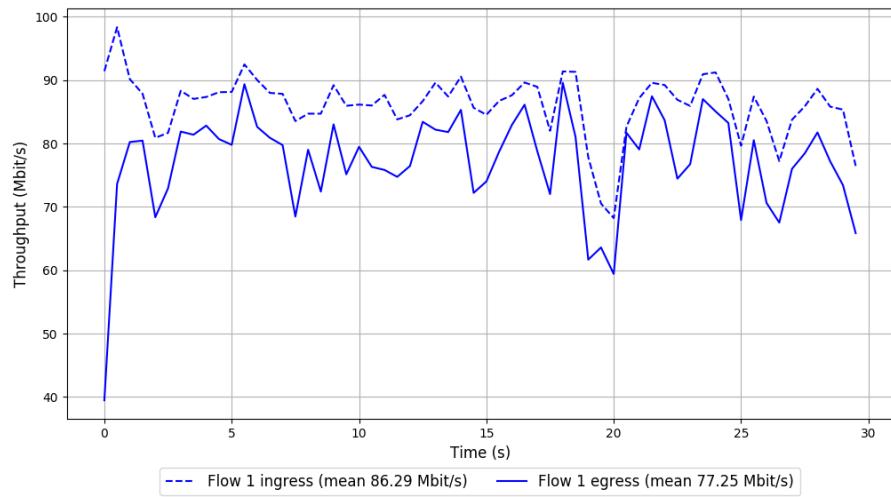


Run 5: Statistics of FillP

```
Start at: 2018-04-17 06:13:26
End at: 2018-04-17 06:13:56
Local clock offset: -5.886 ms
Remote clock offset: -3.012 ms

# Below is generated by plot.py at 2018-04-17 08:46:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 20.152 ms
Loss rate: 10.48%
-- Flow 1:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 20.152 ms
Loss rate: 10.48%
```

Run 5: Report of FillP — Data Link

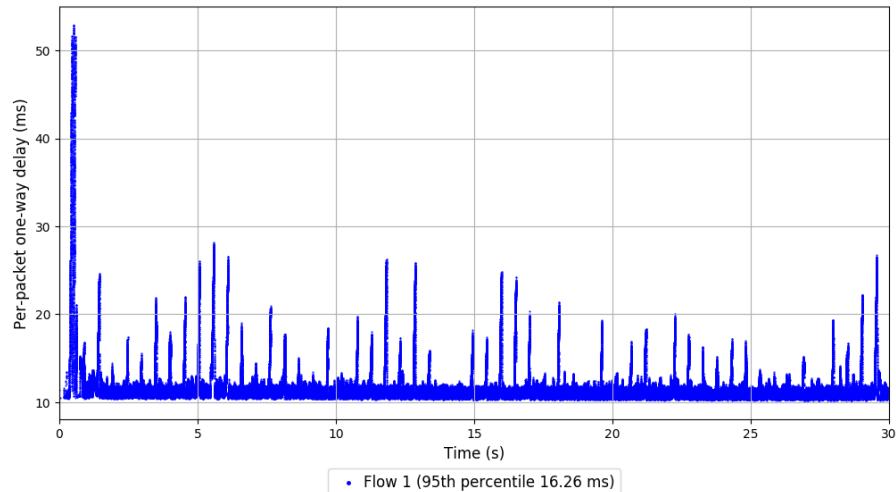
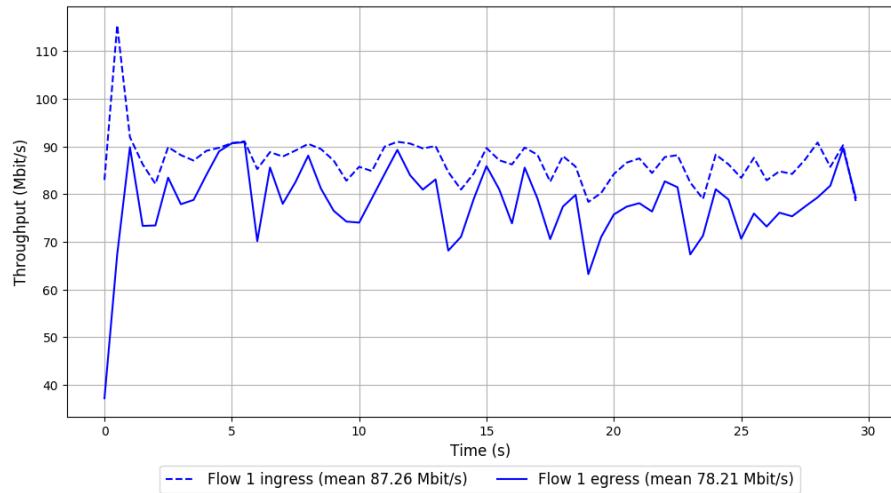


Run 6: Statistics of FillP

```
Start at: 2018-04-17 06:33:19
End at: 2018-04-17 06:33:49
Local clock offset: -5.539 ms
Remote clock offset: -6.178 ms

# Below is generated by plot.py at 2018-04-17 08:46:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 16.258 ms
Loss rate: 10.38%
-- Flow 1:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 16.258 ms
Loss rate: 10.38%
```

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

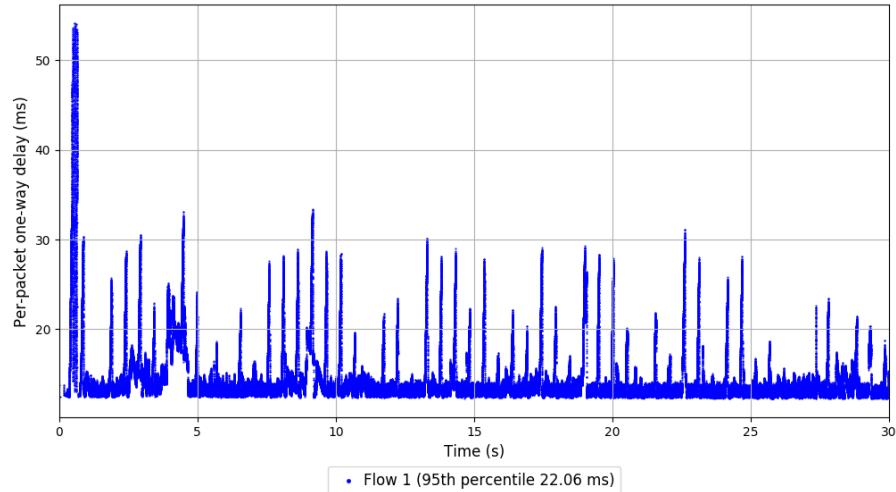
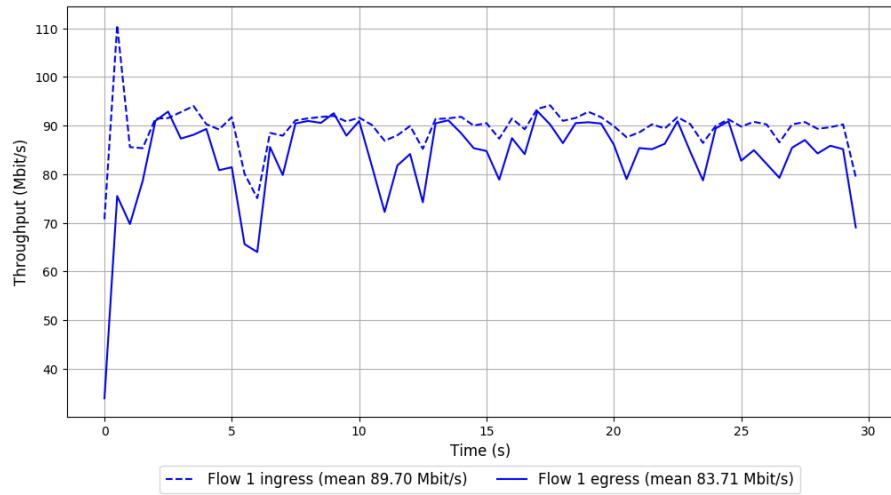


Run 7: Statistics of FillP

```
Start at: 2018-04-17 06:53:06
End at: 2018-04-17 06:53:36
Local clock offset: -11.88 ms
Remote clock offset: -4.148 ms

# Below is generated by plot.py at 2018-04-17 08:47:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 22.057 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 22.057 ms
Loss rate: 6.68%
```

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

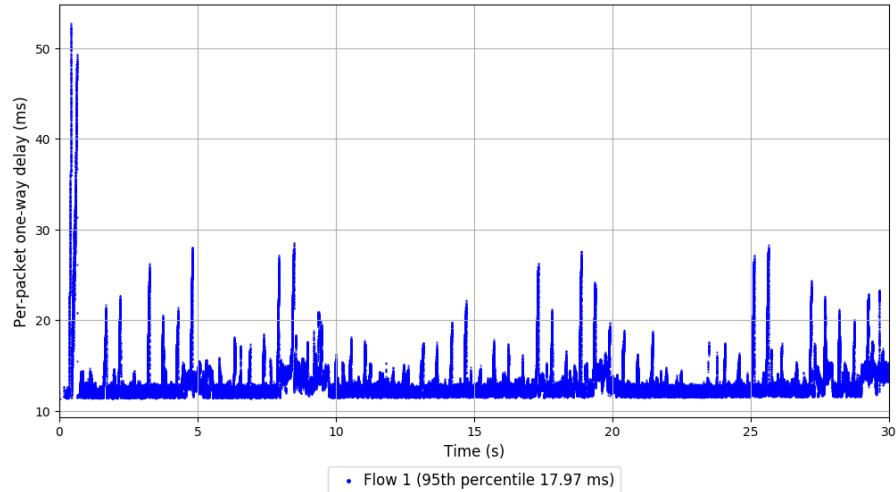
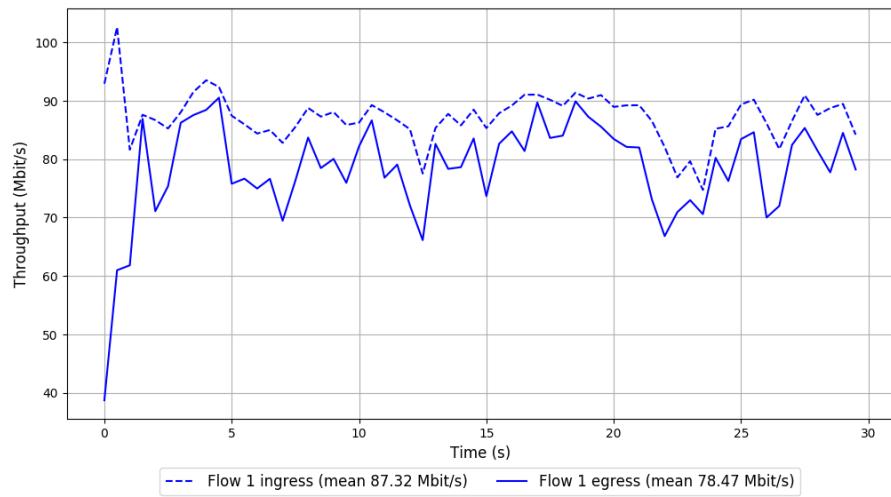


Run 8: Statistics of FillP

```
Start at: 2018-04-17 07:13:07
End at: 2018-04-17 07:13:37
Local clock offset: -8.542 ms
Remote clock offset: -2.515 ms

# Below is generated by plot.py at 2018-04-17 08:47:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 17.967 ms
Loss rate: 10.13%
-- Flow 1:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 17.967 ms
Loss rate: 10.13%
```

Run 8: Report of FillP — Data Link

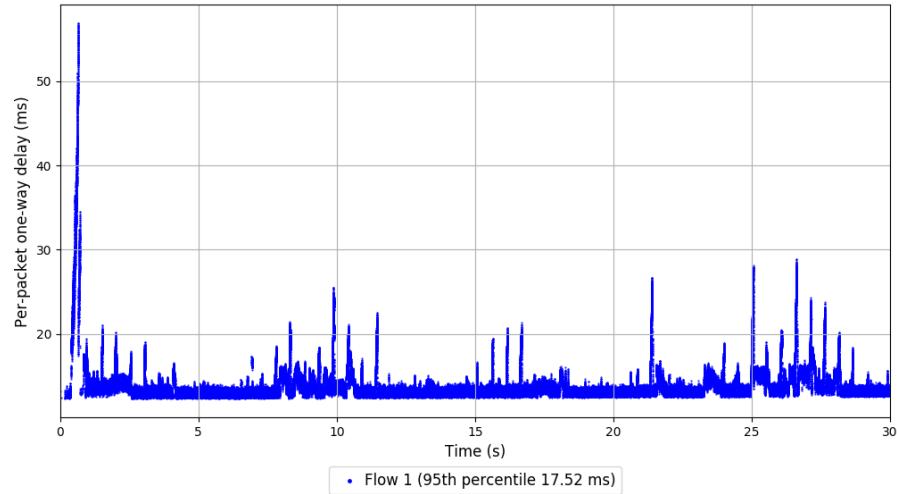
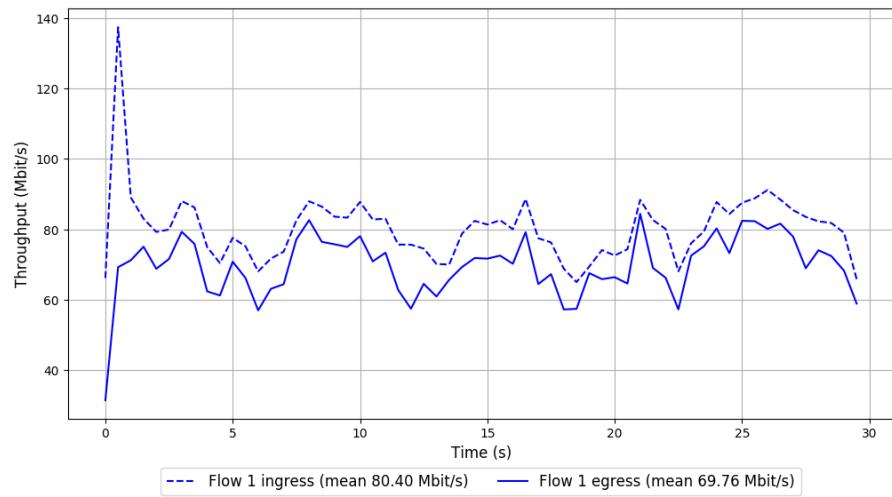


Run 9: Statistics of FillP

```
Start at: 2018-04-17 07:32:53
End at: 2018-04-17 07:33:23
Local clock offset: -4.424 ms
Remote clock offset: -6.144 ms

# Below is generated by plot.py at 2018-04-17 08:47:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 17.525 ms
Loss rate: 13.23%
-- Flow 1:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 17.525 ms
Loss rate: 13.23%
```

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

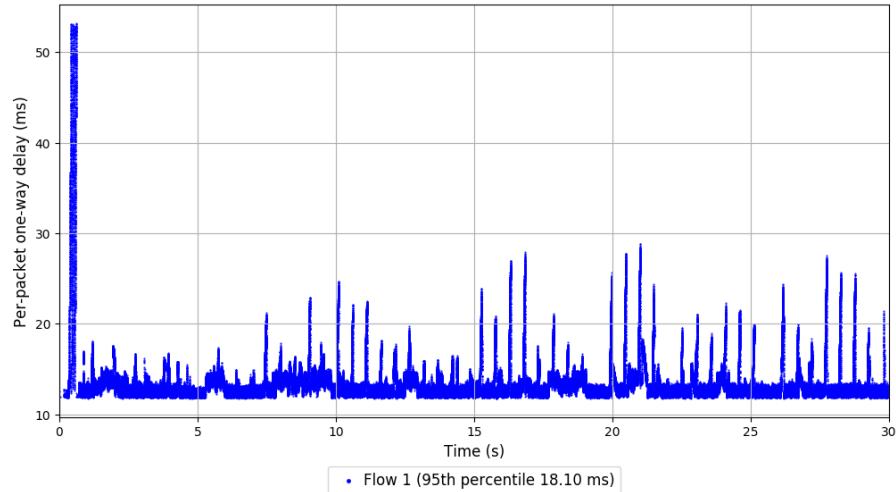
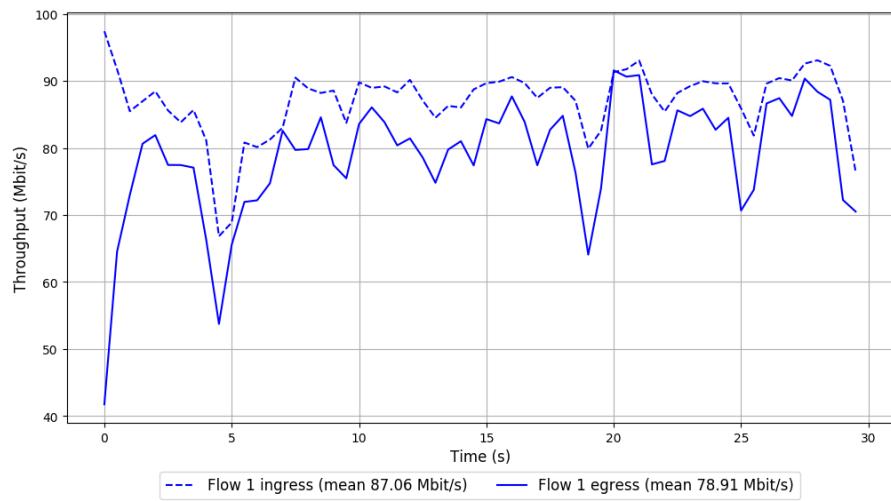


Run 10: Statistics of FillP

```
Start at: 2018-04-17 07:52:29
End at: 2018-04-17 07:52:59
Local clock offset: -6.134 ms
Remote clock offset: -8.733 ms

# Below is generated by plot.py at 2018-04-17 08:47:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 18.098 ms
Loss rate: 9.37%
-- Flow 1:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 18.098 ms
Loss rate: 9.37%
```

Run 10: Report of FillP — Data Link

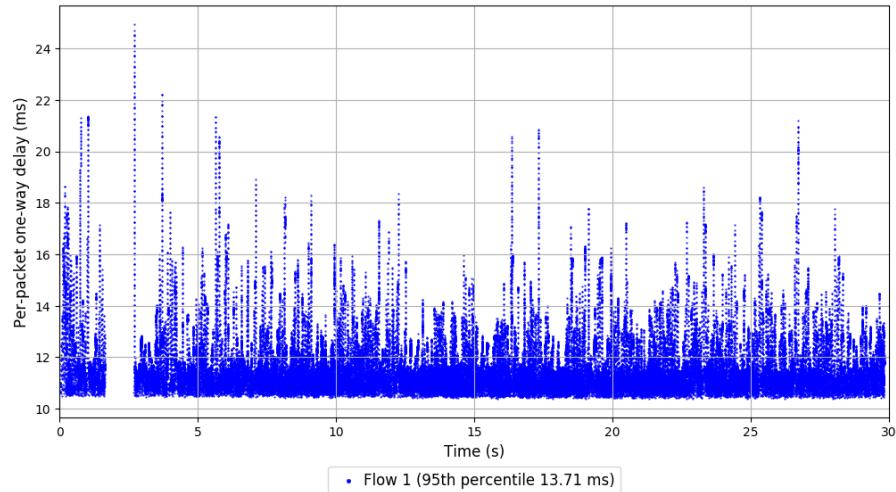
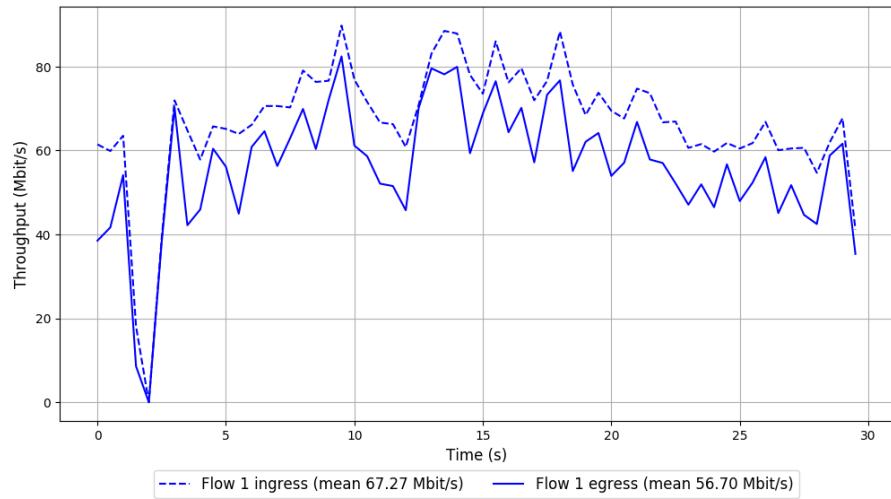


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-04-17 05:04:37
End at: 2018-04-17 05:05:07
Local clock offset: -6.747 ms
Remote clock offset: -7.509 ms

# Below is generated by plot.py at 2018-04-17 08:47:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 13.714 ms
Loss rate: 15.70%
-- Flow 1:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 13.714 ms
Loss rate: 15.70%
```

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

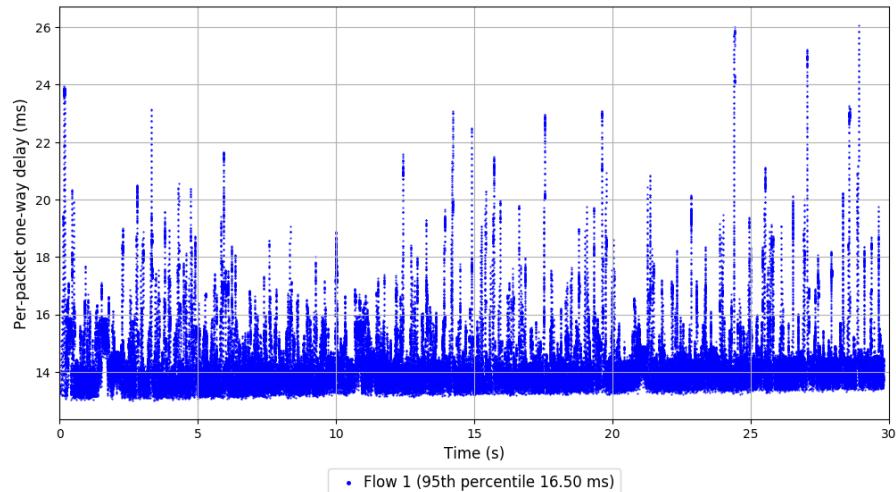
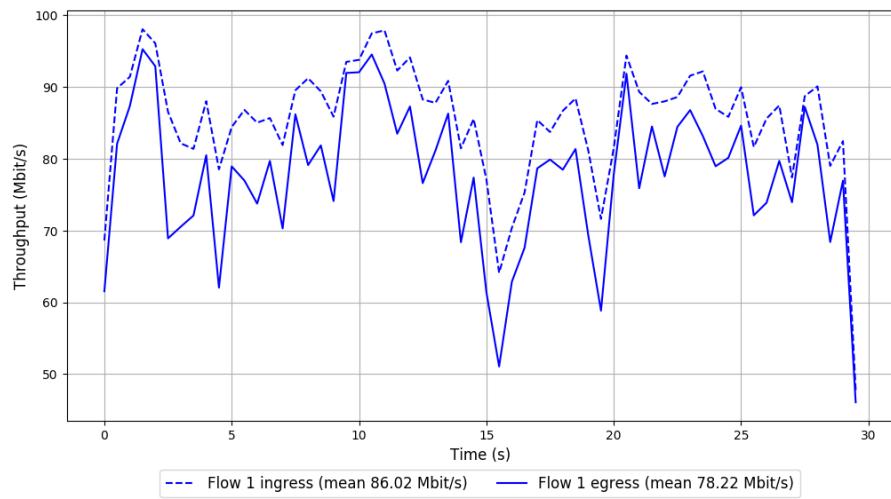


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-04-17 05:24:18
End at: 2018-04-17 05:24:48
Local clock offset: -10.653 ms
Remote clock offset: -8.81 ms

# Below is generated by plot.py at 2018-04-17 08:47:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 16.502 ms
Loss rate: 9.06%
-- Flow 1:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 16.502 ms
Loss rate: 9.06%
```

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

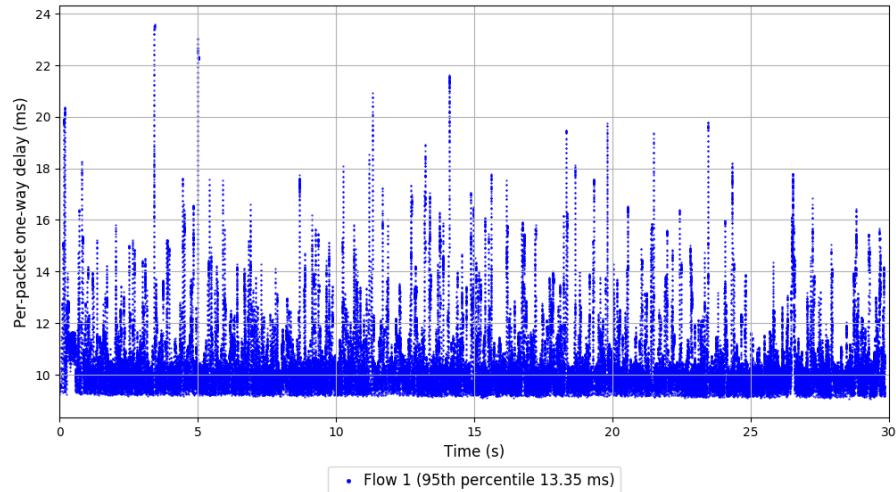
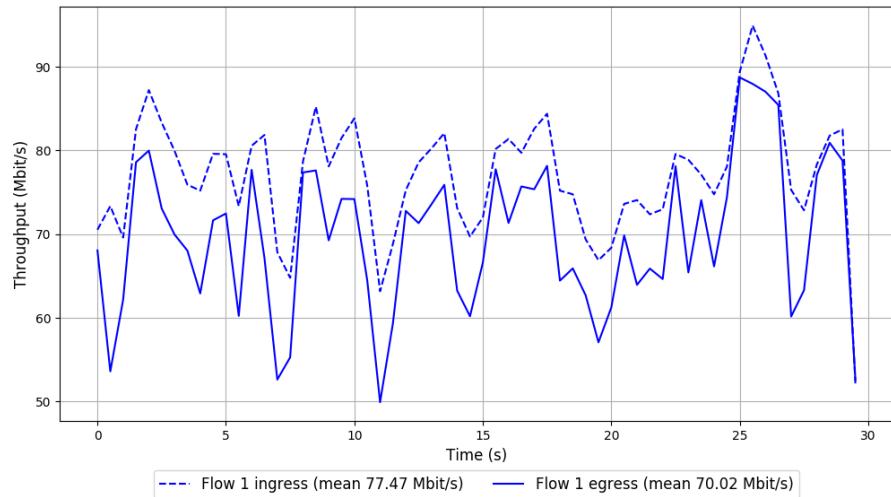


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-04-17 05:44:17
End at: 2018-04-17 05:44:47
Local clock offset: -1.707 ms
Remote clock offset: -7.924 ms

# Below is generated by plot.py at 2018-04-17 08:47:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 13.351 ms
Loss rate: 9.62%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 13.351 ms
Loss rate: 9.62%
```

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

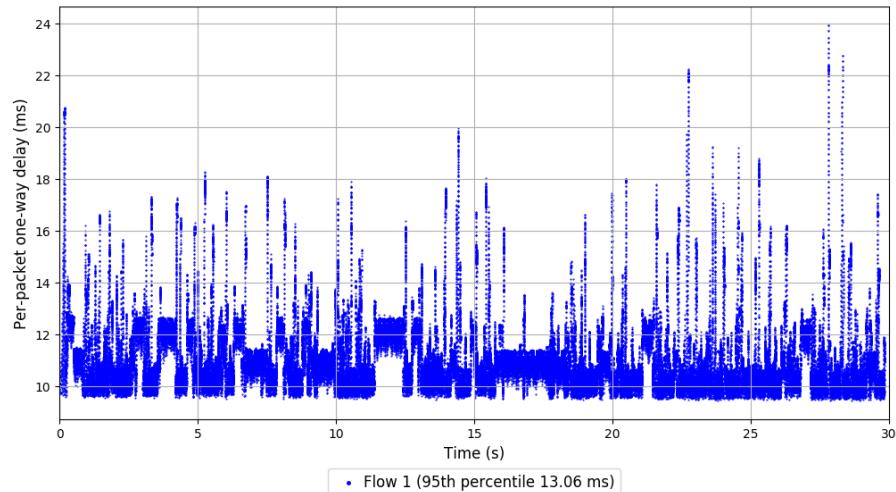
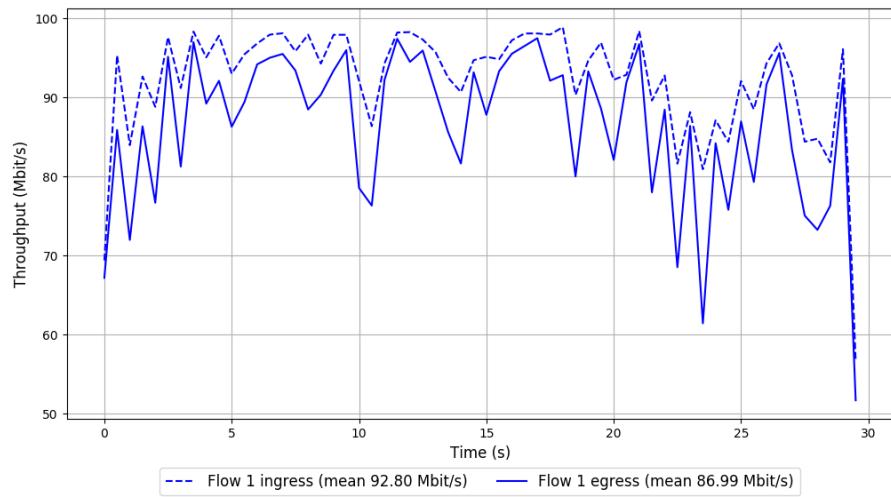


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-04-17 06:04:04
End at: 2018-04-17 06:04:34
Local clock offset: -2.619 ms
Remote clock offset: -5.169 ms

# Below is generated by plot.py at 2018-04-17 08:48:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 13.060 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 13.060 ms
Loss rate: 6.27%
```

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

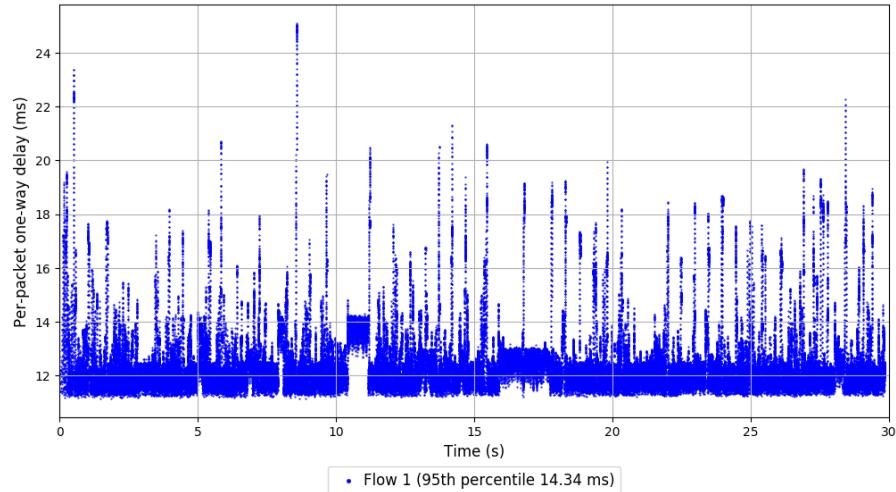
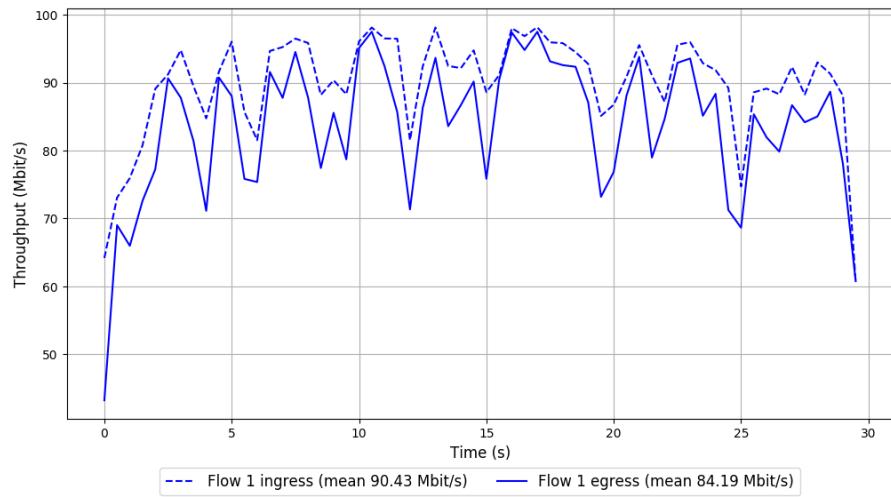


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-04-17 06:24:00
End at: 2018-04-17 06:24:30
Local clock offset: -4.457 ms
Remote clock offset: -4.838 ms

# Below is generated by plot.py at 2018-04-17 08:48:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.19 Mbit/s
95th percentile per-packet one-way delay: 14.343 ms
Loss rate: 6.91%
-- Flow 1:
Average throughput: 84.19 Mbit/s
95th percentile per-packet one-way delay: 14.343 ms
Loss rate: 6.91%
```

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

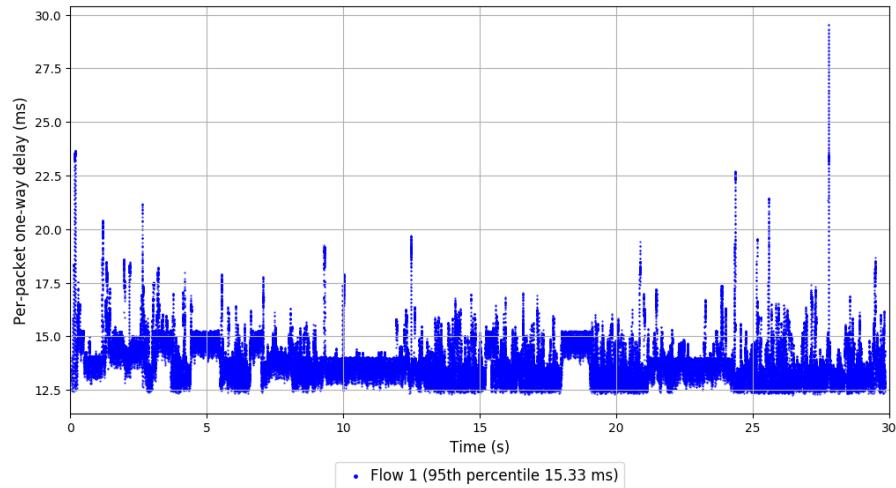
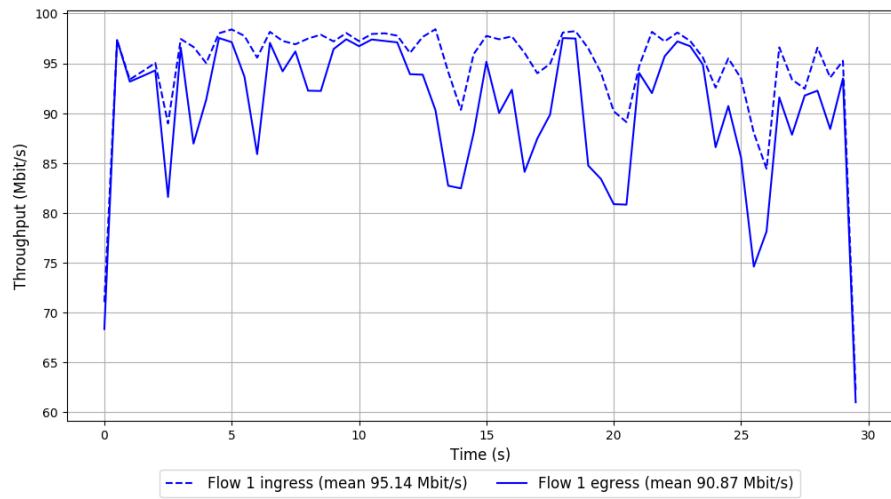


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-04-17 06:43:52
End at: 2018-04-17 06:44:22
Local clock offset: -10.833 ms
Remote clock offset: -5.126 ms

# Below is generated by plot.py at 2018-04-17 08:49:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 15.330 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 15.330 ms
Loss rate: 4.49%
```

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

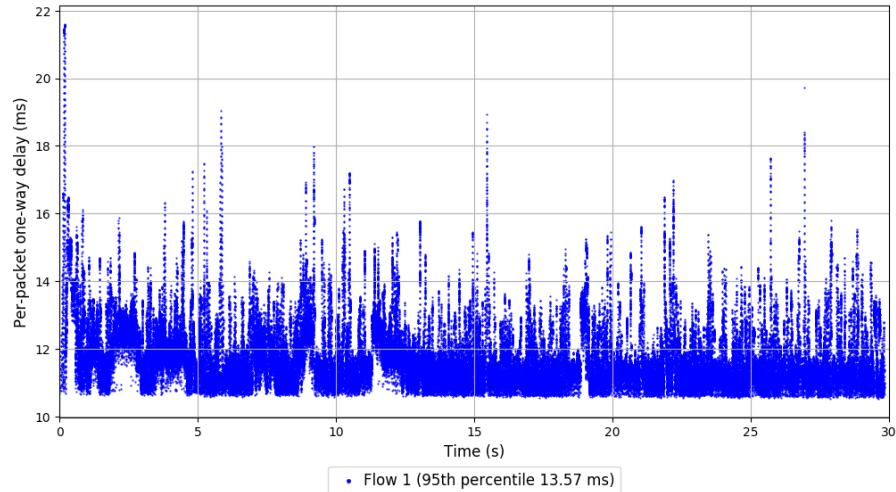
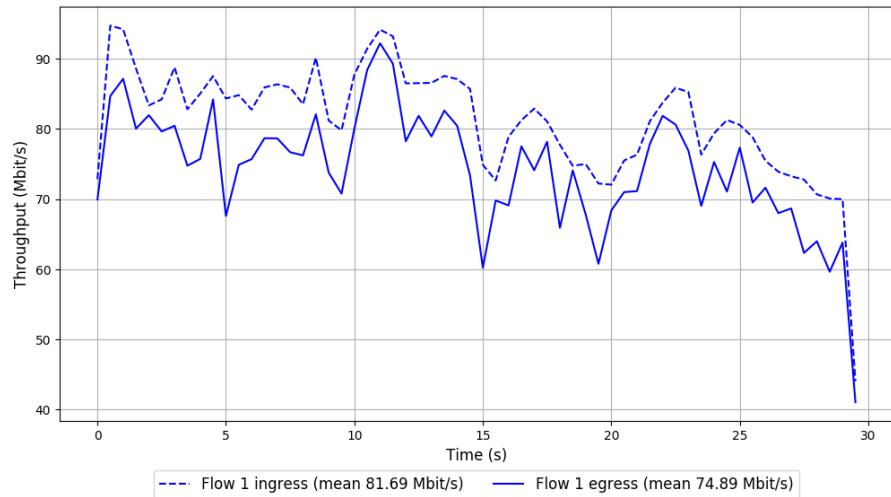


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-04-17 07:03:36
End at: 2018-04-17 07:04:06
Local clock offset: -11.343 ms
Remote clock offset: -2.619 ms

# Below is generated by plot.py at 2018-04-17 08:49:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.89 Mbit/s
95th percentile per-packet one-way delay: 13.569 ms
Loss rate: 8.32%
-- Flow 1:
Average throughput: 74.89 Mbit/s
95th percentile per-packet one-way delay: 13.569 ms
Loss rate: 8.32%
```

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

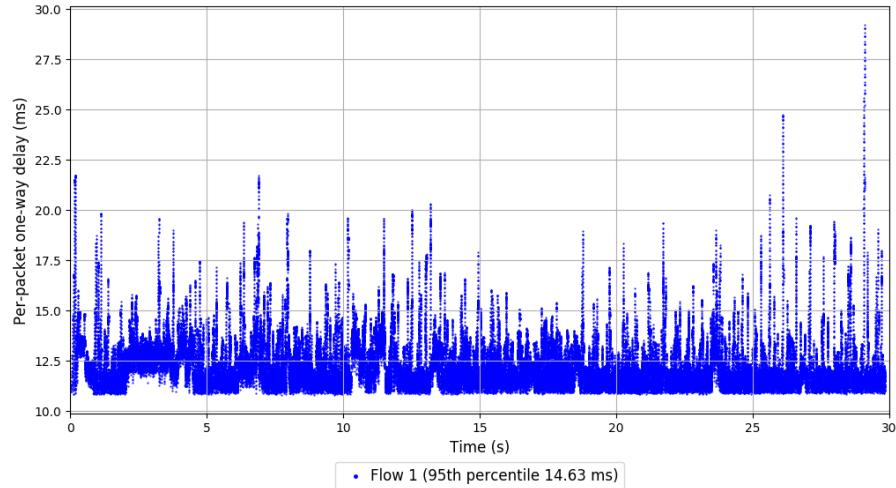
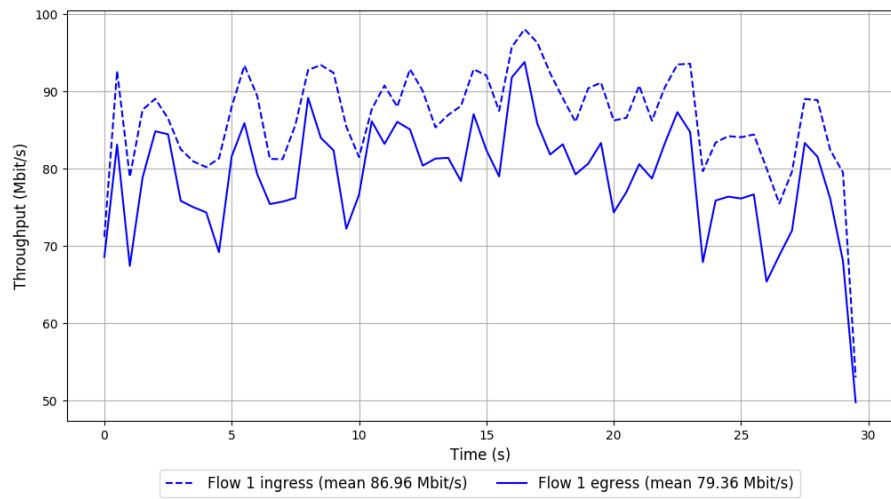


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-04-17 07:23:43
End at: 2018-04-17 07:24:13
Local clock offset: -5.735 ms
Remote clock offset: -2.609 ms

# Below is generated by plot.py at 2018-04-17 08:49:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 14.634 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 14.634 ms
Loss rate: 8.74%
```

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

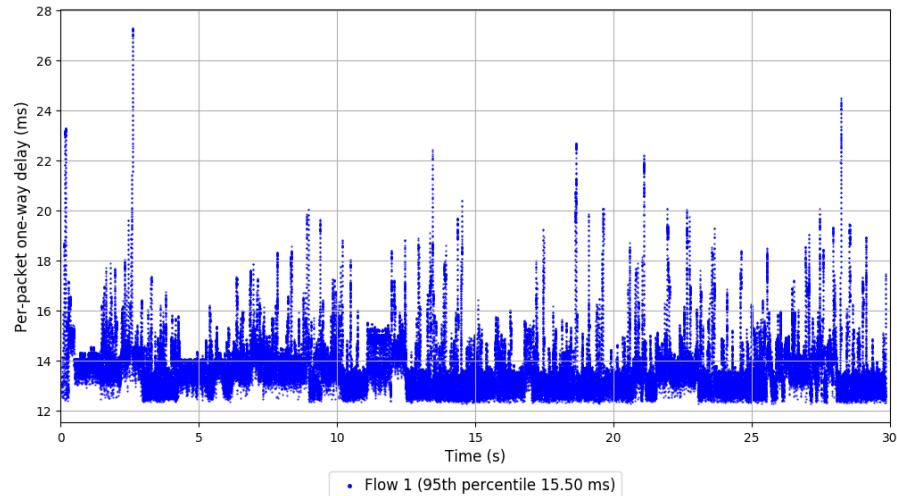
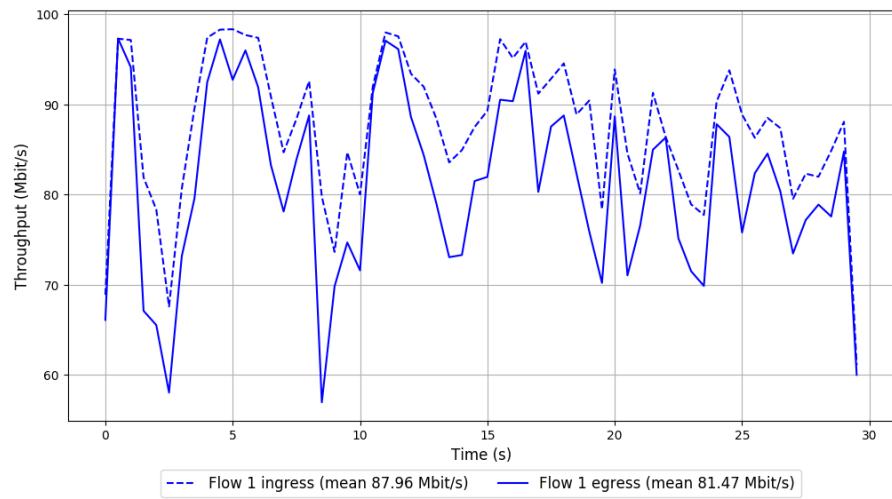


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-04-17 07:43:22
End at: 2018-04-17 07:43:52
Local clock offset: -4.275 ms
Remote clock offset: -7.734 ms

# Below is generated by plot.py at 2018-04-17 08:49:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 15.503 ms
Loss rate: 7.36%
-- Flow 1:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 15.503 ms
Loss rate: 7.36%
```

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

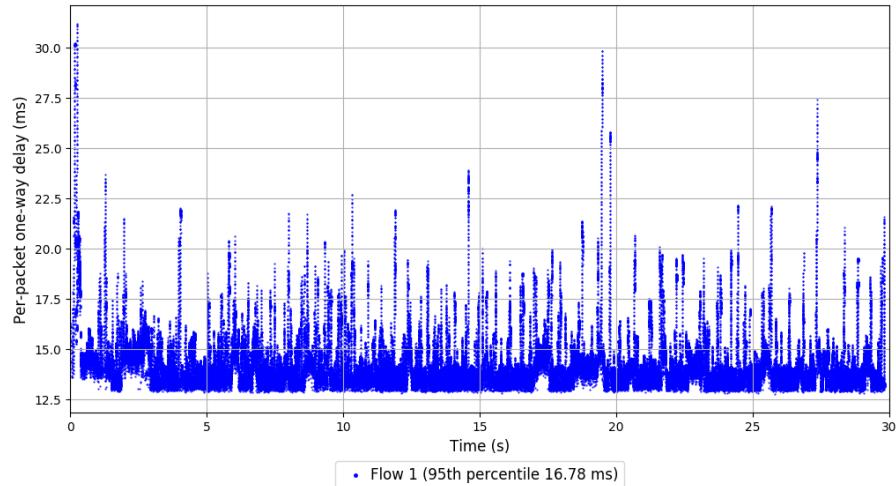
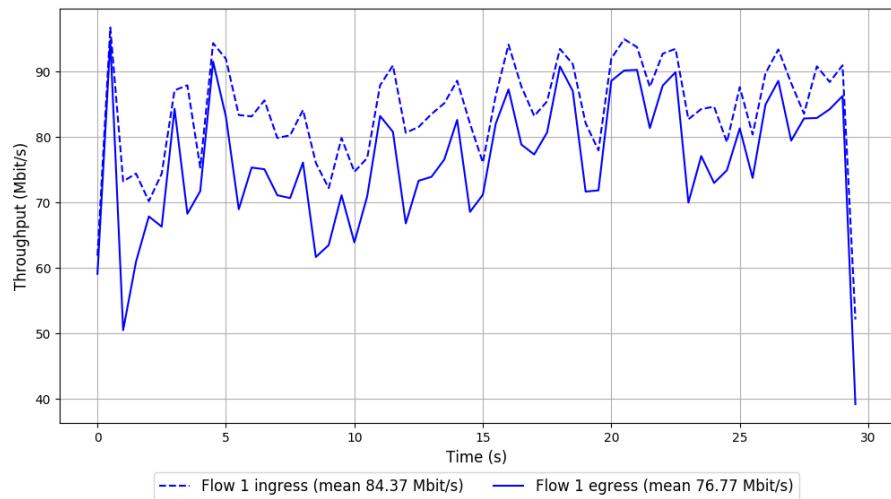


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-04-17 08:03:19
End at: 2018-04-17 08:03:49
Local clock offset: -7.228 ms
Remote clock offset: -9.297 ms

# Below is generated by plot.py at 2018-04-17 08:49:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.77 Mbit/s
95th percentile per-packet one-way delay: 16.779 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 76.77 Mbit/s
95th percentile per-packet one-way delay: 16.779 ms
Loss rate: 9.01%
```

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

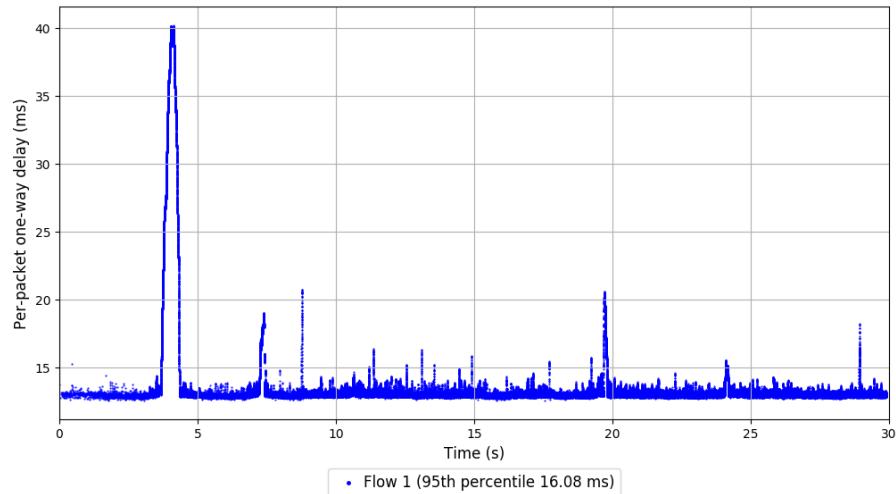
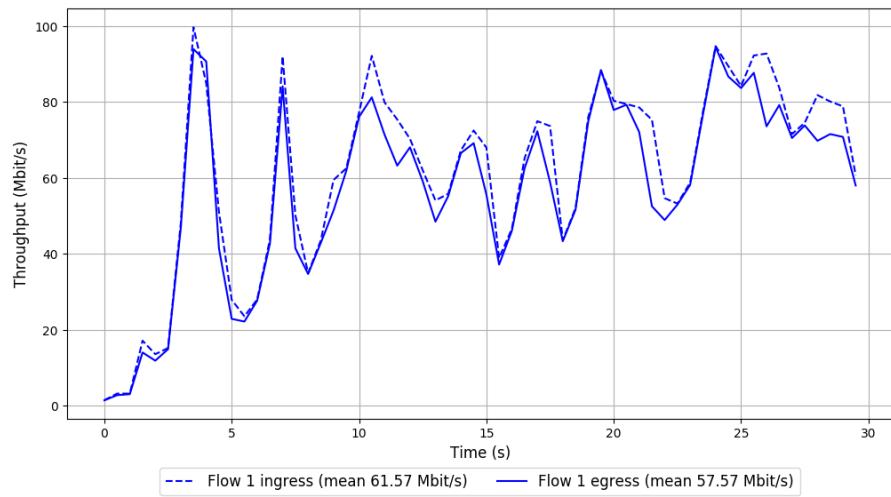


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-04-17 05:02:10
End at: 2018-04-17 05:02:40
Local clock offset: -8.338 ms
Remote clock offset: -7.244 ms

# Below is generated by plot.py at 2018-04-17 08:49:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 16.083 ms
Loss rate: 6.50%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 16.083 ms
Loss rate: 6.50%
```

Run 1: Report of PCC-Vivace — Data Link

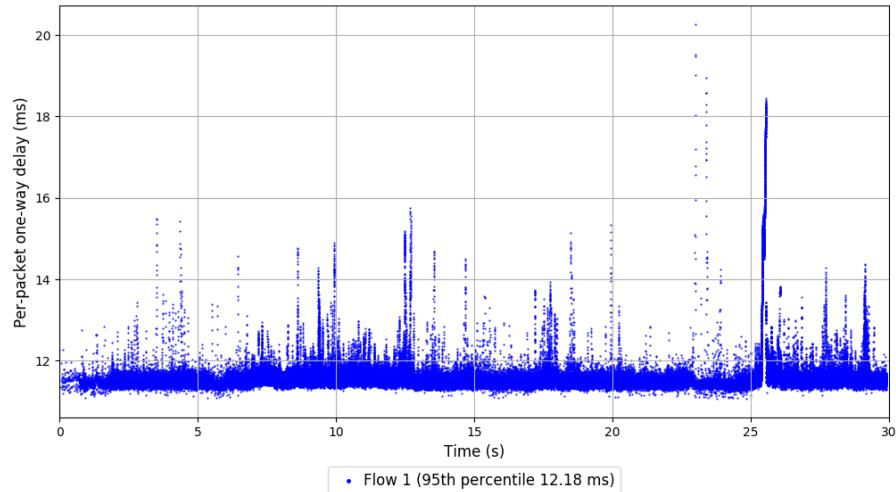
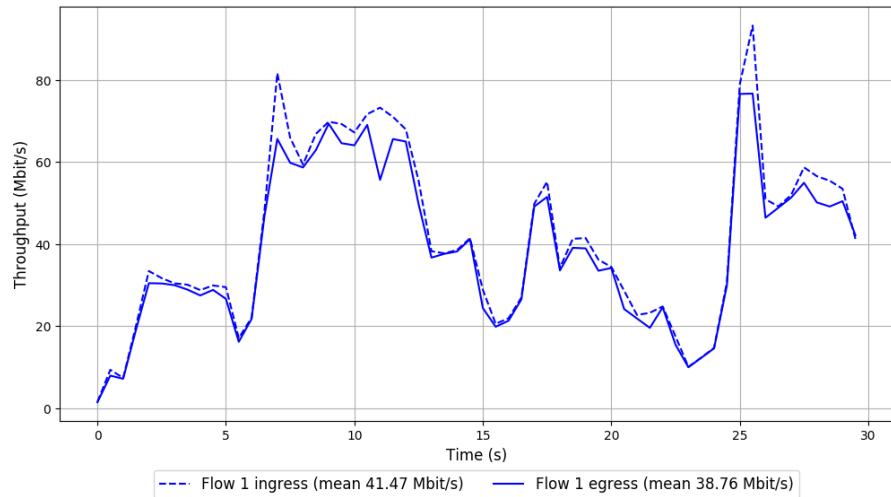


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-04-17 05:21:59
End at: 2018-04-17 05:22:29
Local clock offset: -9.448 ms
Remote clock offset: -8.116 ms

# Below is generated by plot.py at 2018-04-17 08:49:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 12.176 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 12.176 ms
Loss rate: 6.54%
```

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

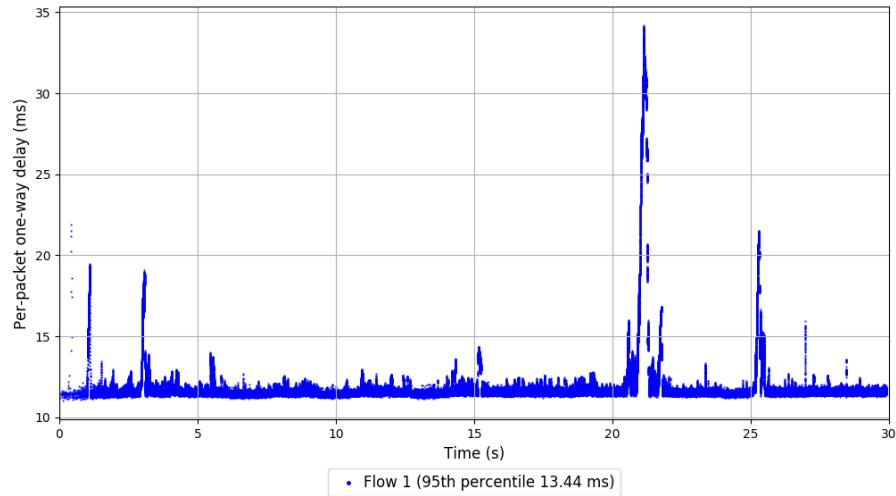
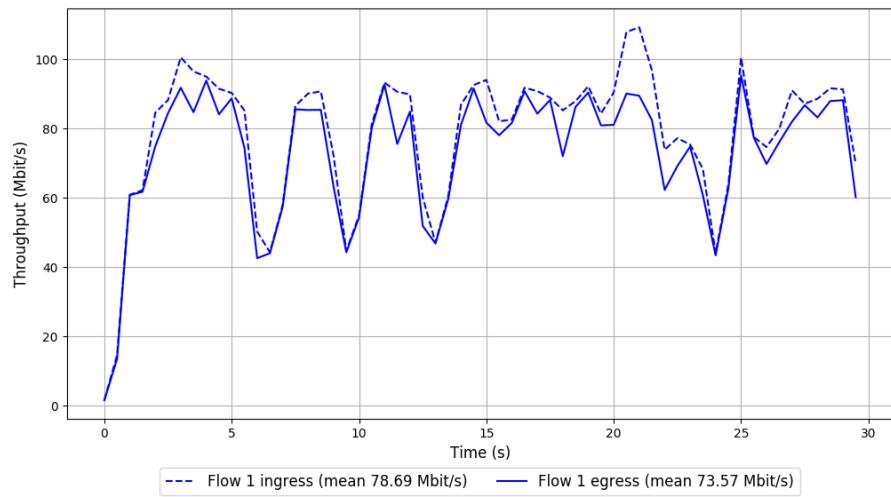


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-04-17 05:41:53
End at: 2018-04-17 05:42:23
Local clock offset: -3.69 ms
Remote clock offset: -8.726 ms

# Below is generated by plot.py at 2018-04-17 08:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.57 Mbit/s
95th percentile per-packet one-way delay: 13.440 ms
Loss rate: 6.51%
-- Flow 1:
Average throughput: 73.57 Mbit/s
95th percentile per-packet one-way delay: 13.440 ms
Loss rate: 6.51%
```

Run 3: Report of PCC-Vivace — Data Link

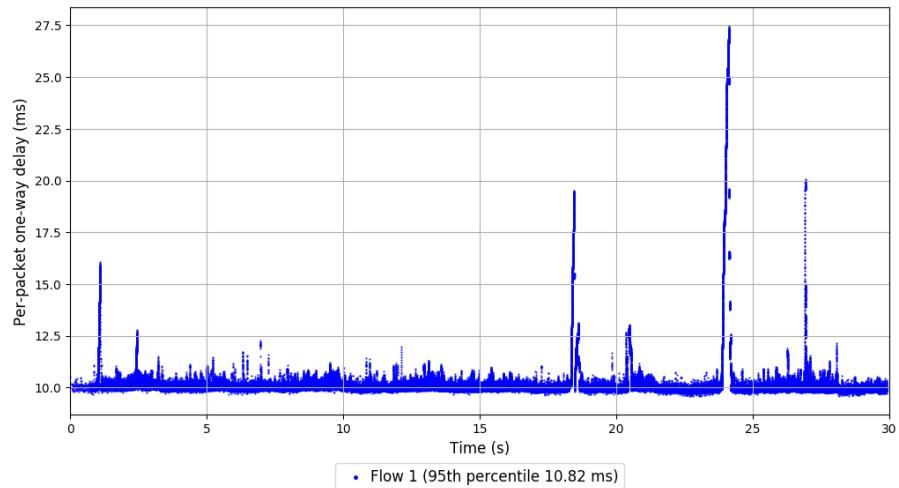
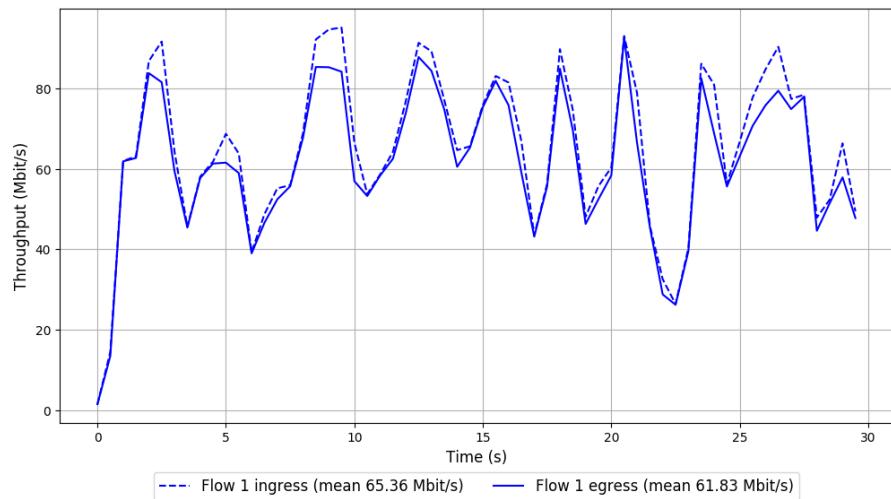


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-04-17 06:01:42
End at: 2018-04-17 06:02:12
Local clock offset: -2.143 ms
Remote clock offset: -5.009 ms

# Below is generated by plot.py at 2018-04-17 08:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 10.821 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 10.821 ms
Loss rate: 5.41%
```

Run 4: Report of PCC-Vivace — Data Link

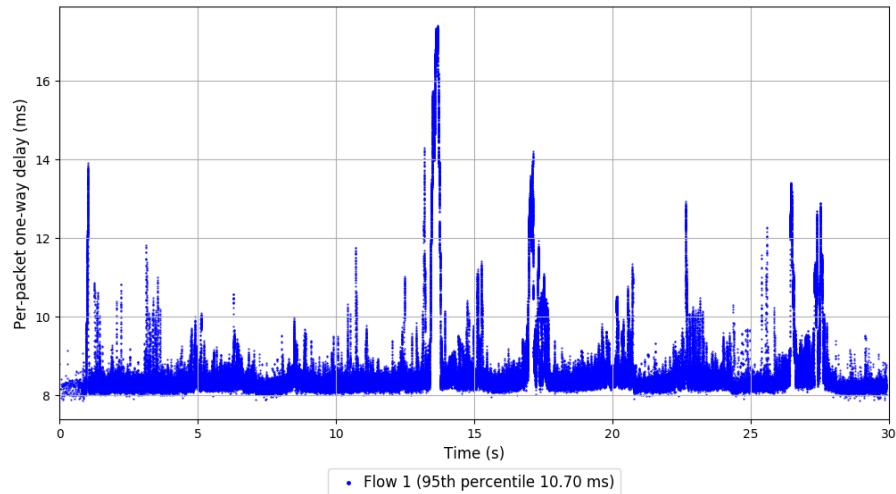
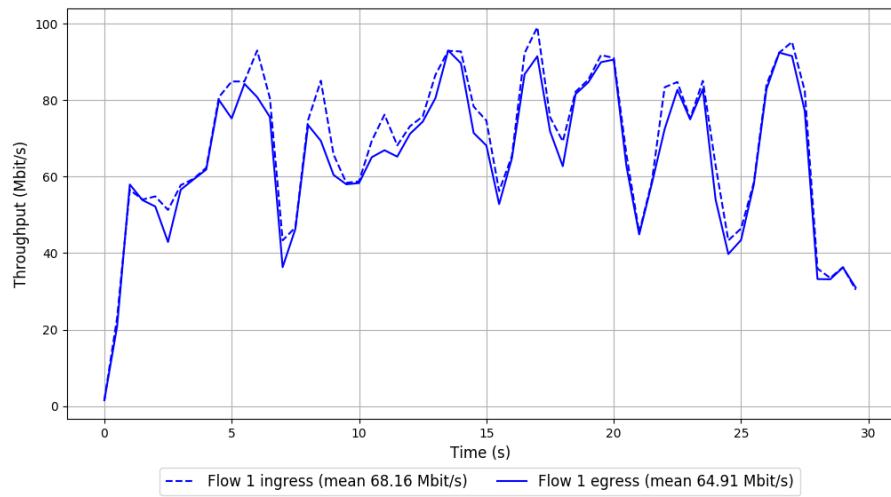


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-04-17 06:21:36
End at: 2018-04-17 06:22:06
Local clock offset: -3.105 ms
Remote clock offset: -5.219 ms

# Below is generated by plot.py at 2018-04-17 08:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 10.696 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 10.696 ms
Loss rate: 4.76%
```

Run 5: Report of PCC-Vivace — Data Link

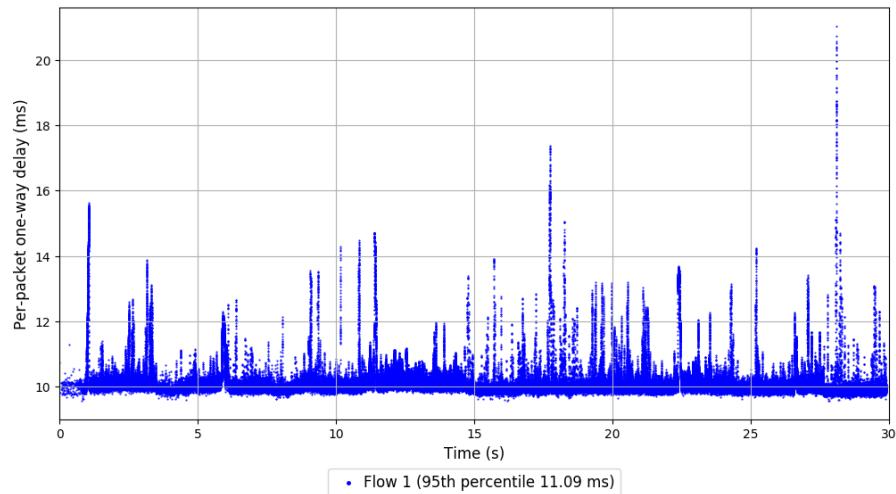
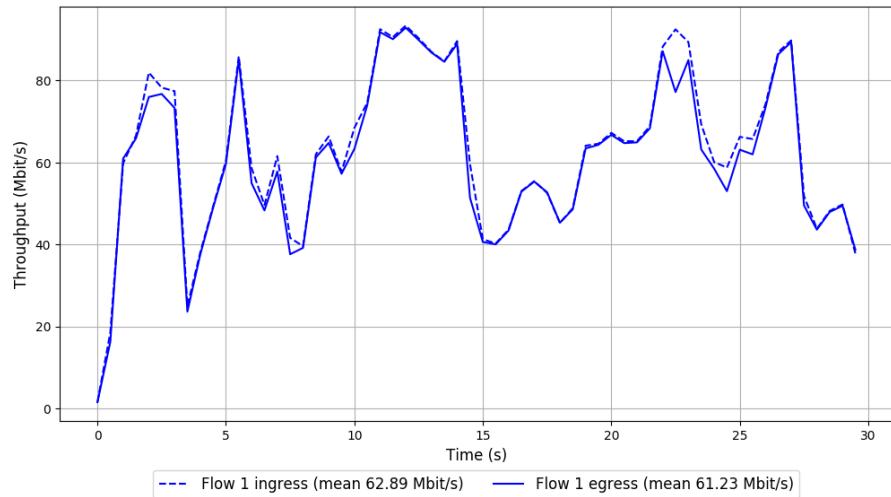


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-04-17 06:41:29
End at: 2018-04-17 06:41:59
Local clock offset: -8.945 ms
Remote clock offset: -6.344 ms

# Below is generated by plot.py at 2018-04-17 08:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 11.087 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 11.087 ms
Loss rate: 2.65%
```

Run 6: Report of PCC-Vivace — Data Link

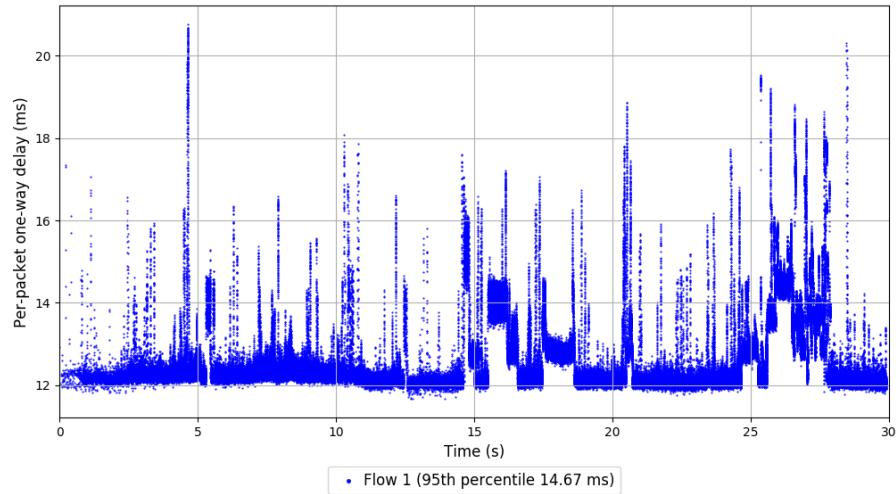
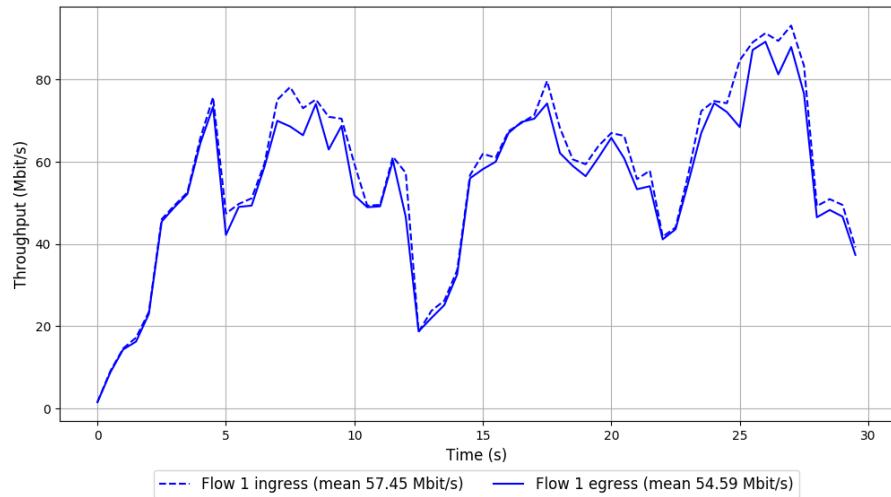


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-04-17 07:01:12
End at: 2018-04-17 07:01:42
Local clock offset: -12.597 ms
Remote clock offset: -3.045 ms

# Below is generated by plot.py at 2018-04-17 08:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 14.666 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 14.666 ms
Loss rate: 4.98%
```

Run 7: Report of PCC-Vivace — Data Link

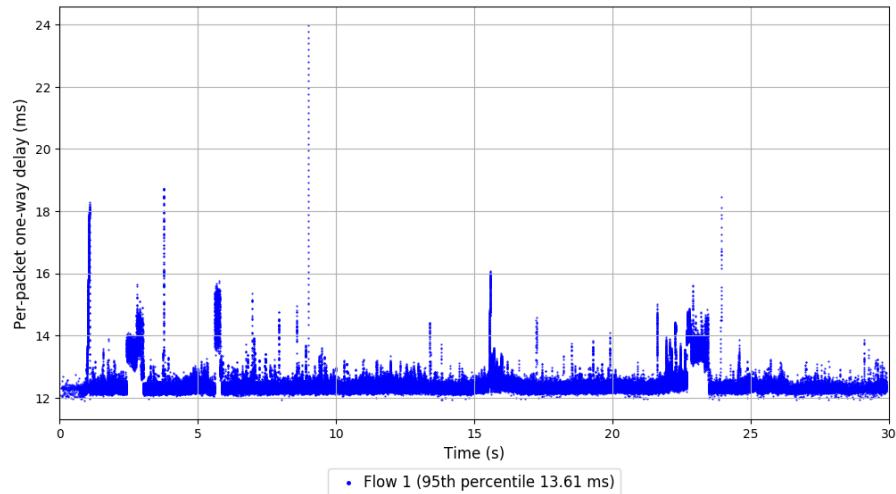
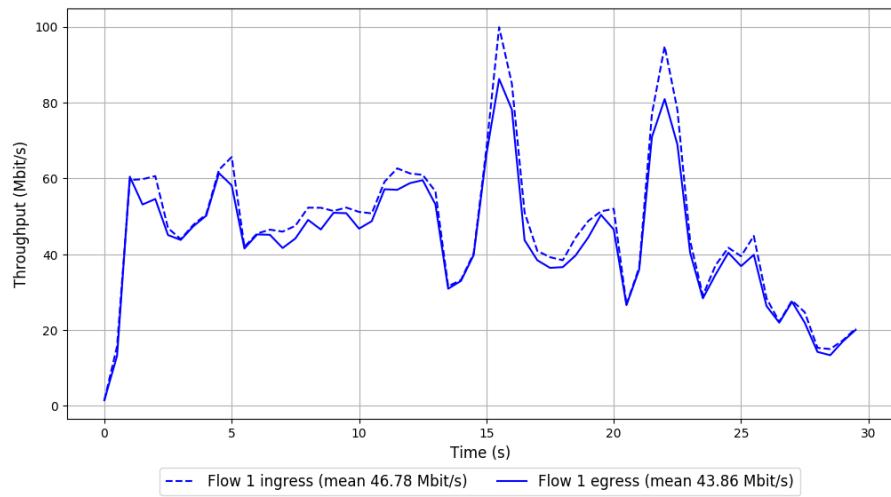


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-04-17 07:21:19
End at: 2018-04-17 07:21:49
Local clock offset: -5.947 ms
Remote clock offset: -2.341 ms

# Below is generated by plot.py at 2018-04-17 08:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 13.608 ms
Loss rate: 6.24%
-- Flow 1:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 13.608 ms
Loss rate: 6.24%
```

Run 8: Report of PCC-Vivace — Data Link

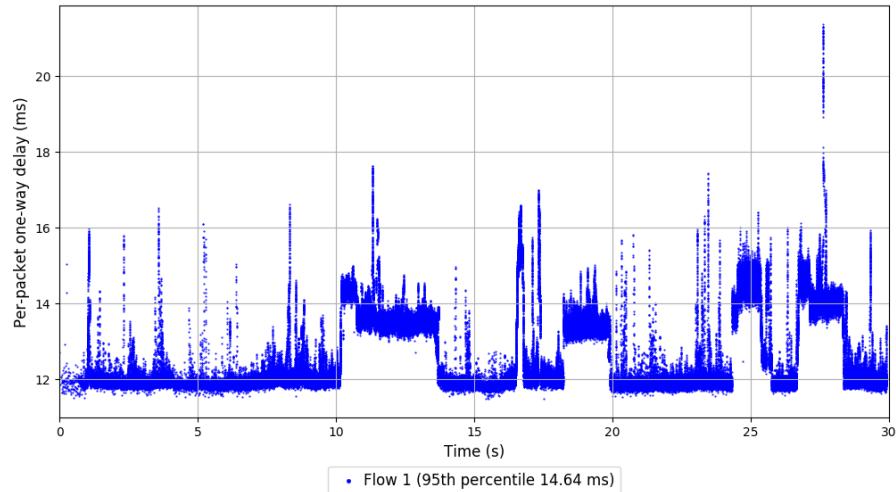
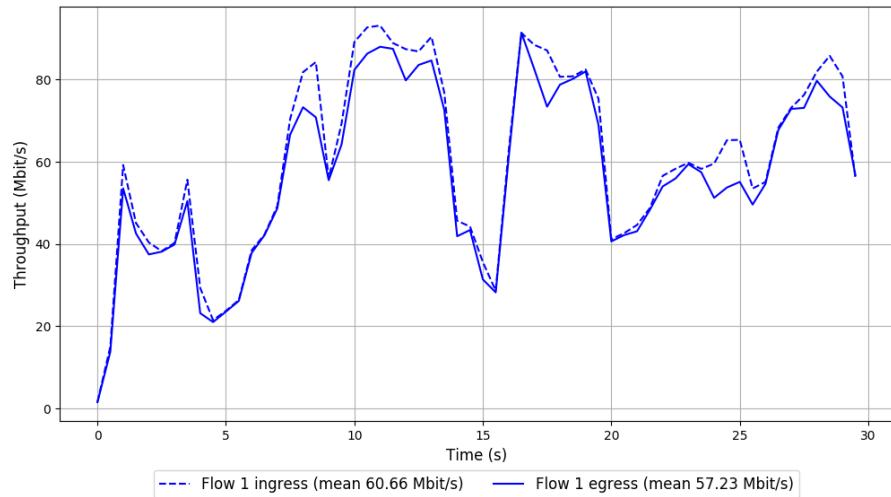


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-04-17 07:40:56
End at: 2018-04-17 07:41:26
Local clock offset: -3.767 ms
Remote clock offset: -7.416 ms

# Below is generated by plot.py at 2018-04-17 08:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 14.643 ms
Loss rate: 5.65%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 14.643 ms
Loss rate: 5.65%
```

Run 9: Report of PCC-Vivace — Data Link

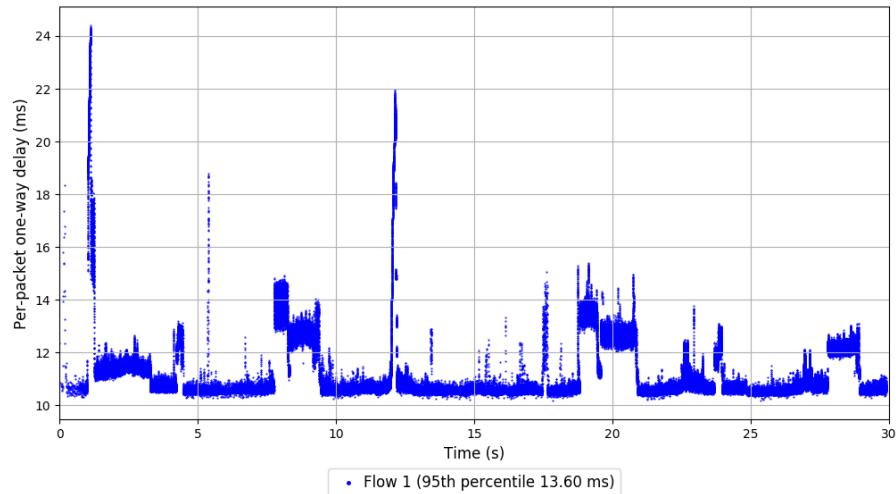
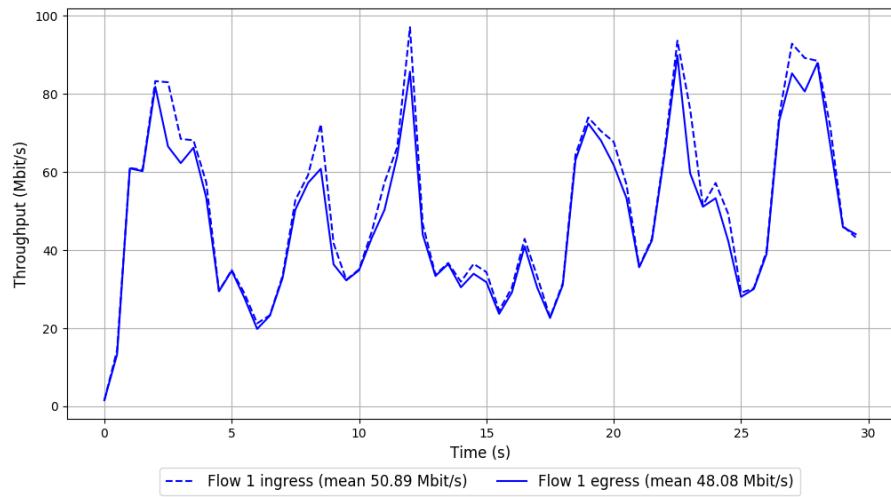


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-04-17 08:00:40
End at: 2018-04-17 08:01:10
Local clock offset: -6.835 ms
Remote clock offset: -11.573 ms

# Below is generated by plot.py at 2018-04-17 08:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 13.595 ms
Loss rate: 5.53%
-- Flow 1:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 13.595 ms
Loss rate: 5.53%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 05:01:05

End at: 2018-04-17 05:01:35

Local clock offset: -6.014 ms

Remote clock offset: -7.928 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 05:20:54

End at: 2018-04-17 05:21:24

Local clock offset: -8.679 ms

Remote clock offset: -8.656 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 05:40:48  
End at: 2018-04-17 05:41:18  
Local clock offset: -2.789 ms  
Remote clock offset: -8.497 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-17 06:00:37  
End at: 2018-04-17 06:01:07  
Local clock offset: -8.621 ms  
Remote clock offset: -11.826 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-17 06:20:32

End at: 2018-04-17 06:21:02

Local clock offset: -3.509 ms

Remote clock offset: -4.711 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 06:40:24

End at: 2018-04-17 06:40:54

Local clock offset: -8.303 ms

Remote clock offset: -5.756 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 07:00:08  
End at: 2018-04-17 07:00:38  
Local clock offset: -11.204 ms  
Remote clock offset: -3.777 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 07:20:14

End at: 2018-04-17 07:20:44

Local clock offset: -6.335 ms

Remote clock offset: -2.687 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 07:39:51

End at: 2018-04-17 07:40:21

Local clock offset: -3.733 ms

Remote clock offset: -7.318 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 07:59:35  
End at: 2018-04-17 08:00:05  
Local clock offset: -6.328 ms  
Remote clock offset: -10.423 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing