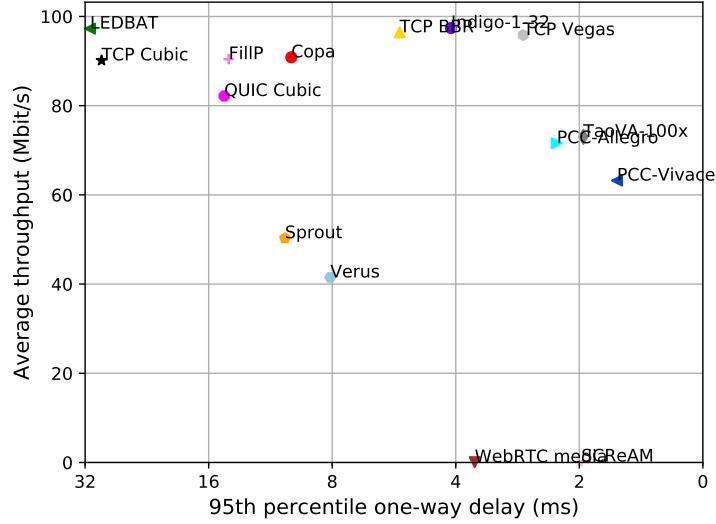


## Pantheon Report

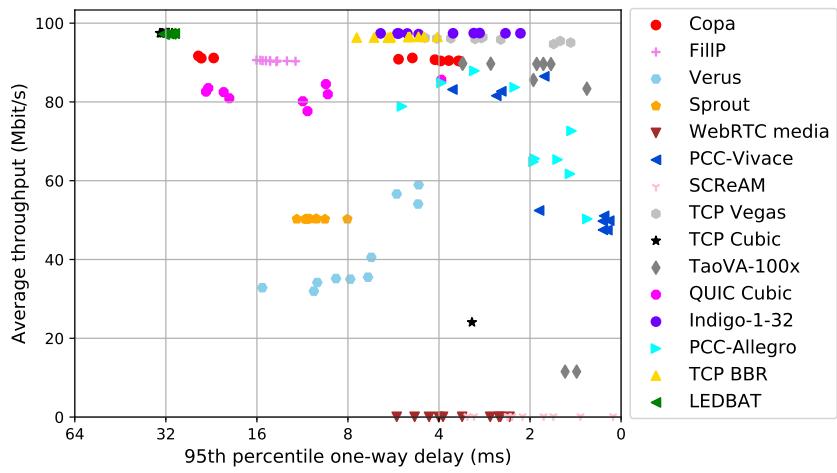
Generated at 2018-04-24 12:15:55 (UTC).  
Data path: AWS Brazil 1 Ethernet (*local*) → Brazil Ethernet (*remote*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).  
NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c  
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 Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



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



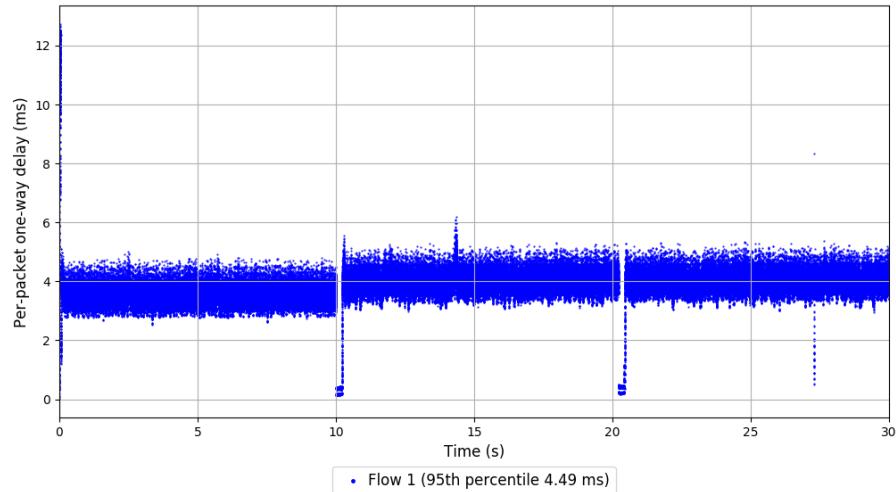
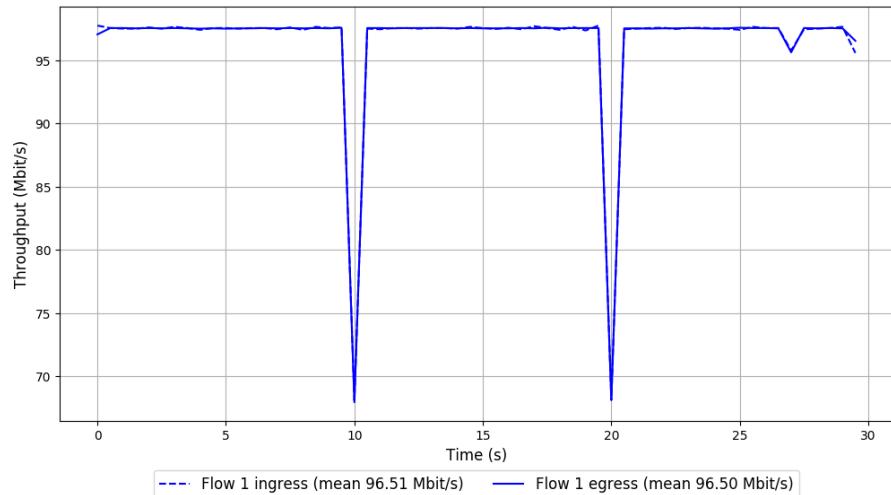
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.44	5.48	0.00
TCP Cubic	10	90.14	29.18	0.17
LEDBAT	10	97.27	31.13	0.01
PCC-Allegro	10	71.58	2.27	0.00
QUIC Cubic	9	82.17	14.66	0.03
SCReAM	10	0.22	1.97	0.00
WebRTC media	10	0.06	3.60	0.00
Sprout	10	50.28	10.43	0.00
TaoVA-100x	10	73.01	1.94	0.00
TCP Vegas	10	95.81	2.74	0.00
Verus	10	41.49	8.09	1.79
Copa	10	90.84	10.06	0.33
FillP	10	90.43	14.30	1.26
Indigo-1-32	10	97.40	4.11	0.00
PCC-Vivace	10	63.20	1.39	0.00
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

```
Start at: 2018-04-24 08:17:18
End at: 2018-04-24 08:17:48
Local clock offset: 3.508 ms
Remote clock offset: -6.811 ms

# Below is generated by plot.py at 2018-04-24 11:54:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 4.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 4.488 ms
Loss rate: 0.00%
```

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

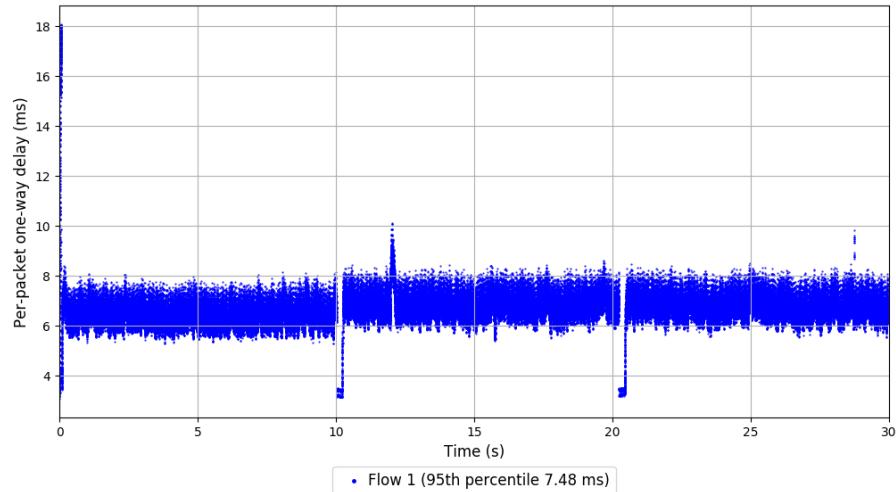
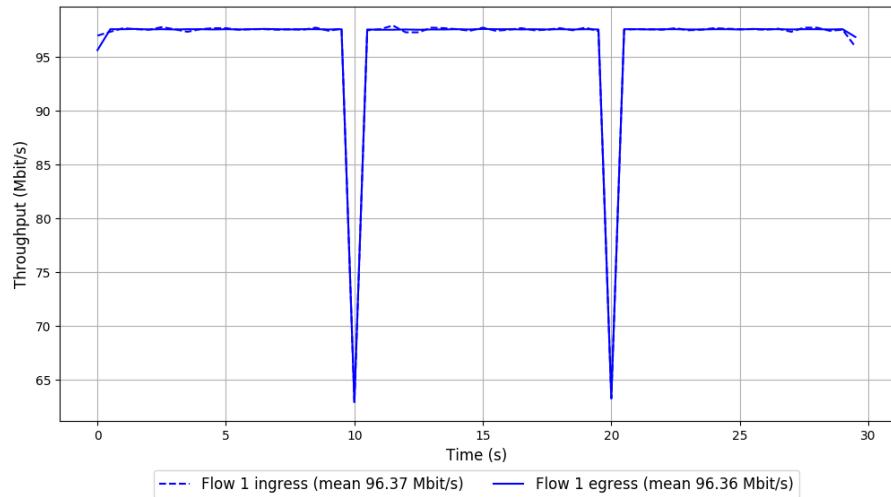


Run 2: Statistics of TCP BBR

```
Start at: 2018-04-24 08:36:16
End at: 2018-04-24 08:36:46
Local clock offset: 4.861 ms
Remote clock offset: -6.584 ms

# Below is generated by plot.py at 2018-04-24 11:54:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 7.482 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 7.482 ms
Loss rate: 0.01%
```

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

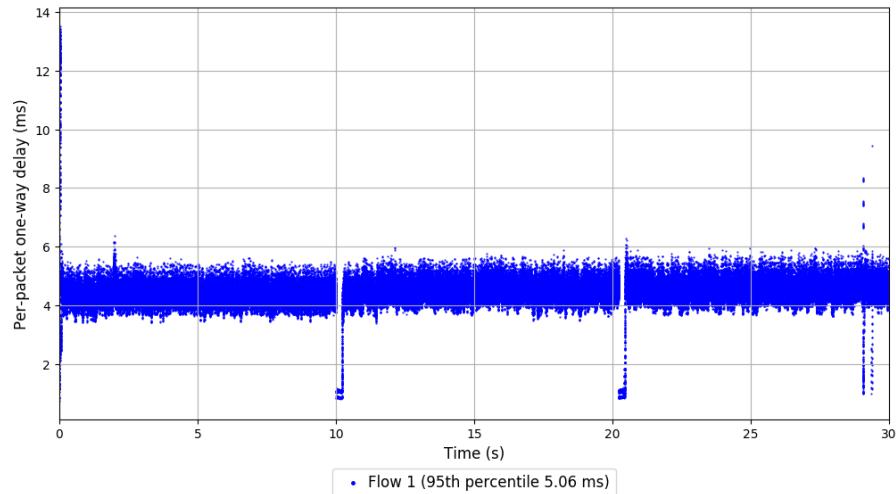
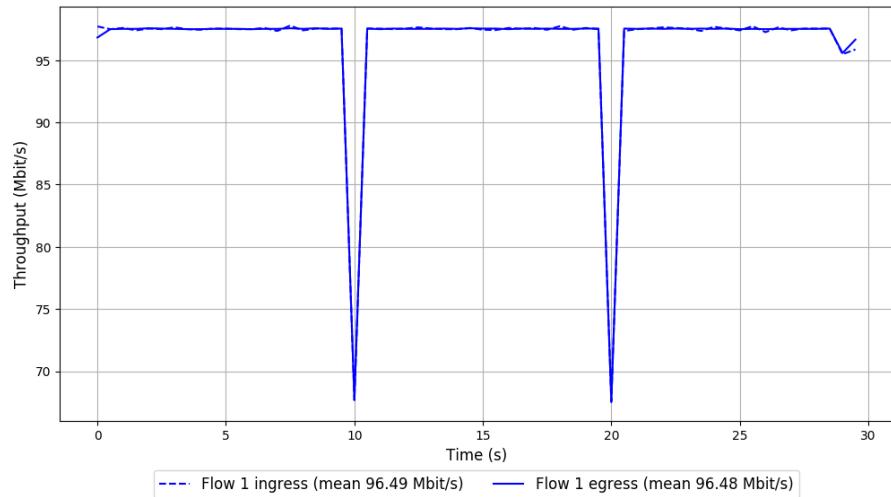


Run 3: Statistics of TCP BBR

```
Start at: 2018-04-24 08:55:20
End at: 2018-04-24 08:55:50
Local clock offset: 7.822 ms
Remote clock offset: -6.636 ms

# Below is generated by plot.py at 2018-04-24 11:54:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 5.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 5.057 ms
Loss rate: 0.00%
```

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

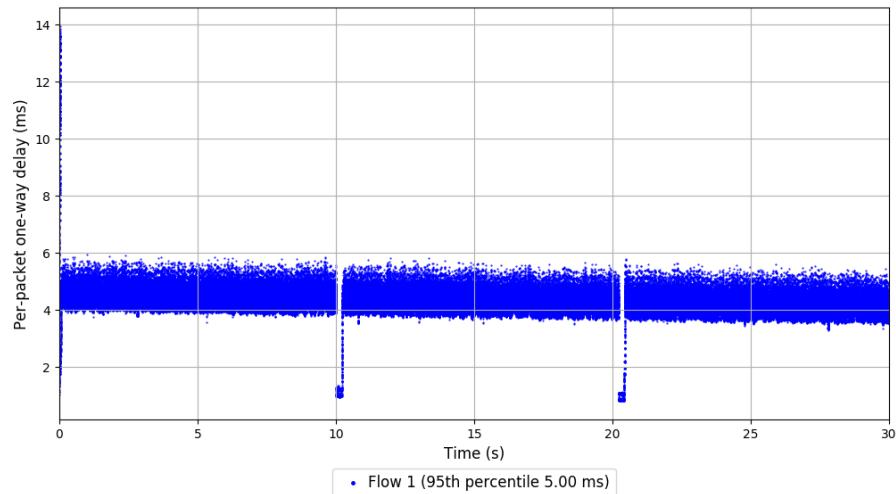
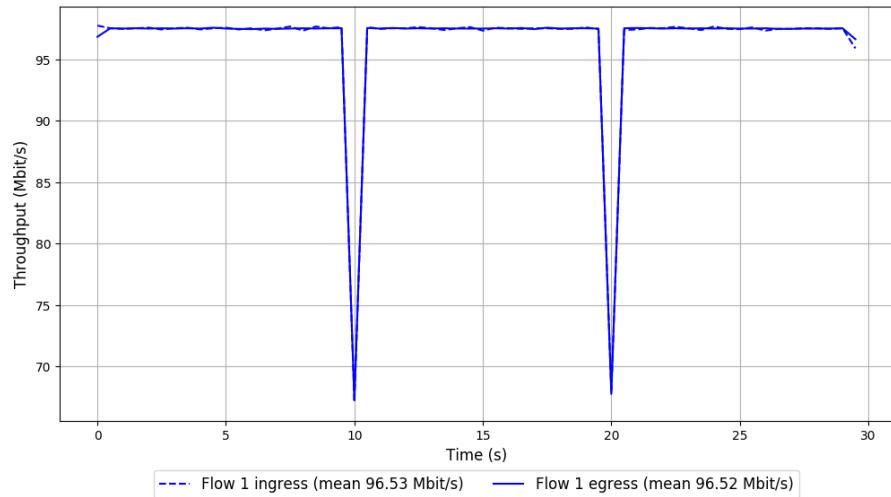


Run 4: Statistics of TCP BBR

```
Start at: 2018-04-24 09:14:15
End at: 2018-04-24 09:14:45
Local clock offset: -2.054 ms
Remote clock offset: -6.615 ms

# Below is generated by plot.py at 2018-04-24 11:54:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 4.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 4.998 ms
Loss rate: 0.00%
```

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

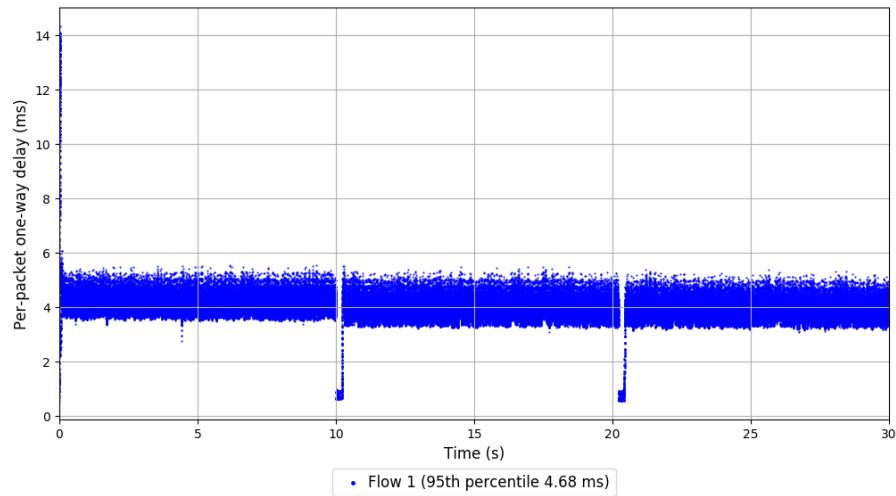
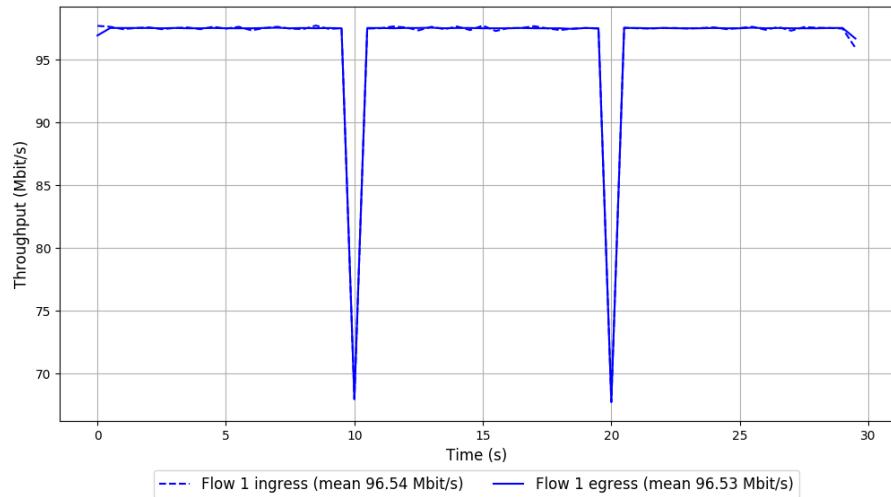


Run 5: Statistics of TCP BBR

```
Start at: 2018-04-24 09:33:17
End at: 2018-04-24 09:33:47
Local clock offset: -10.529 ms
Remote clock offset: -6.679 ms

# Below is generated by plot.py at 2018-04-24 11:54:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 4.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 4.676 ms
Loss rate: 0.00%
```

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

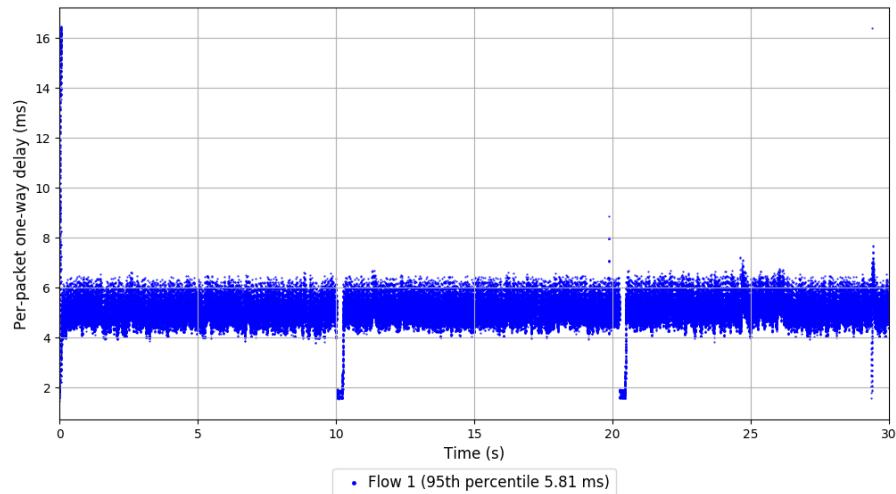
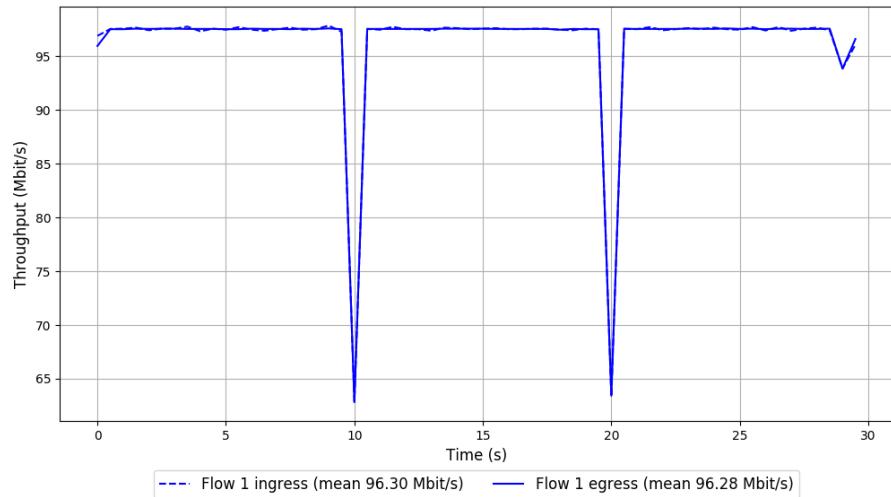


Run 6: Statistics of TCP BBR

```
Start at: 2018-04-24 09:52:15
End at: 2018-04-24 09:52:45
Local clock offset: -8.663 ms
Remote clock offset: -6.708 ms

# Below is generated by plot.py at 2018-04-24 11:54:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 5.813 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 5.813 ms
Loss rate: 0.01%
```

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

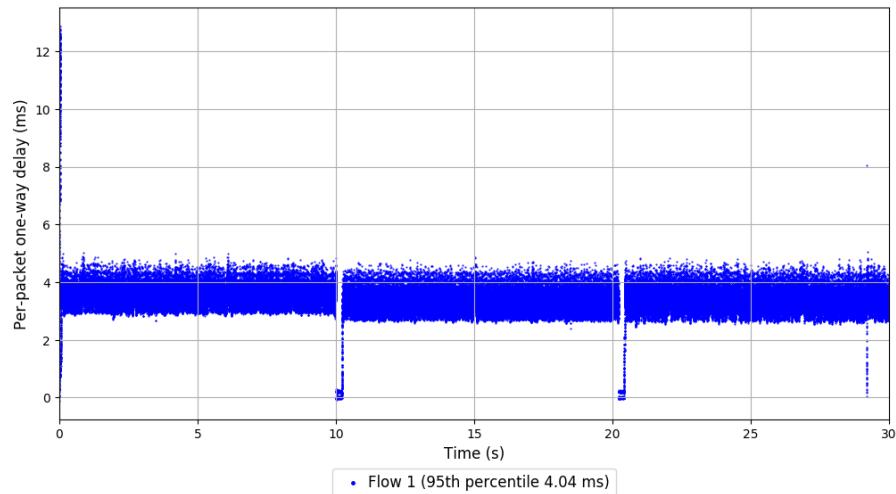
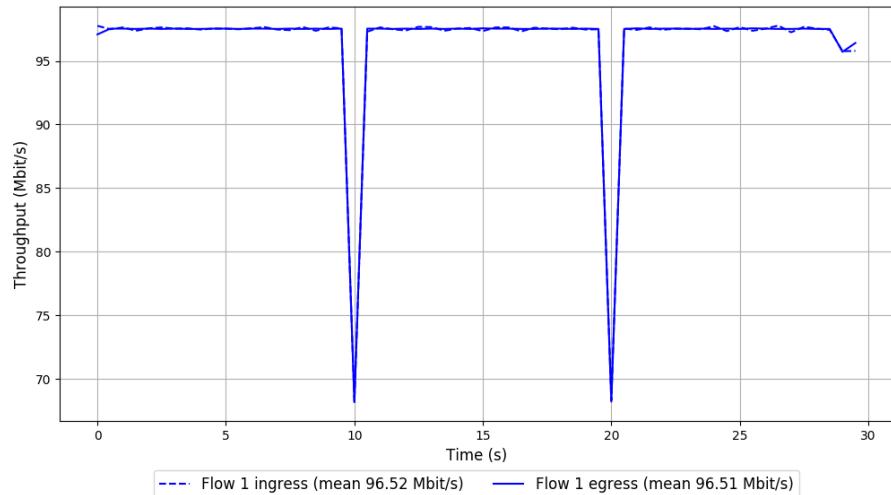


Run 7: Statistics of TCP BBR

```
Start at: 2018-04-24 10:11:17
End at: 2018-04-24 10:11:47
Local clock offset: -9.273 ms
Remote clock offset: -6.708 ms

# Below is generated by plot.py at 2018-04-24 11:54:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 4.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 4.045 ms
Loss rate: 0.00%
```

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

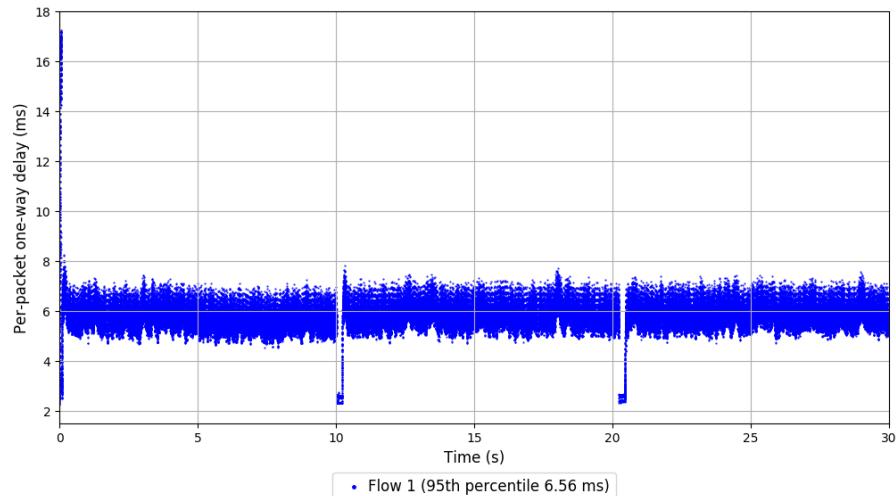
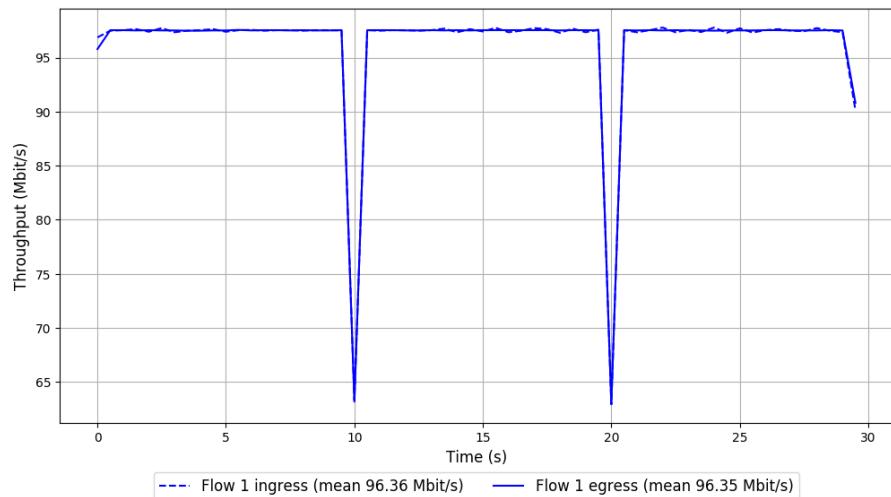


Run 8: Statistics of TCP BBR

```
Start at: 2018-04-24 10:30:12
End at: 2018-04-24 10:30:42
Local clock offset: -8.166 ms
Remote clock offset: -6.701 ms

# Below is generated by plot.py at 2018-04-24 11:54:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 6.556 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 6.556 ms
Loss rate: 0.01%
```

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

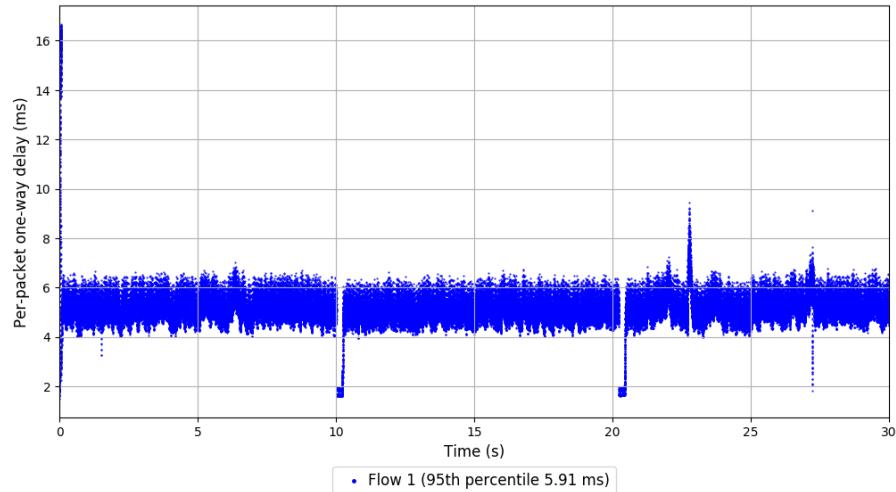
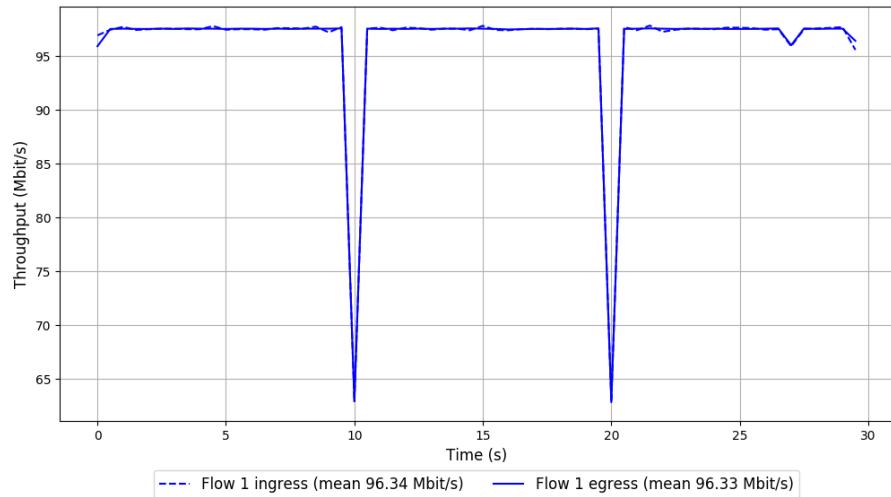


Run 9: Statistics of TCP BBR

```
Start at: 2018-04-24 10:49:13
End at: 2018-04-24 10:49:43
Local clock offset: -7.778 ms
Remote clock offset: -6.655 ms

# Below is generated by plot.py at 2018-04-24 11:55:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 5.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 5.905 ms
Loss rate: 0.00%
```

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

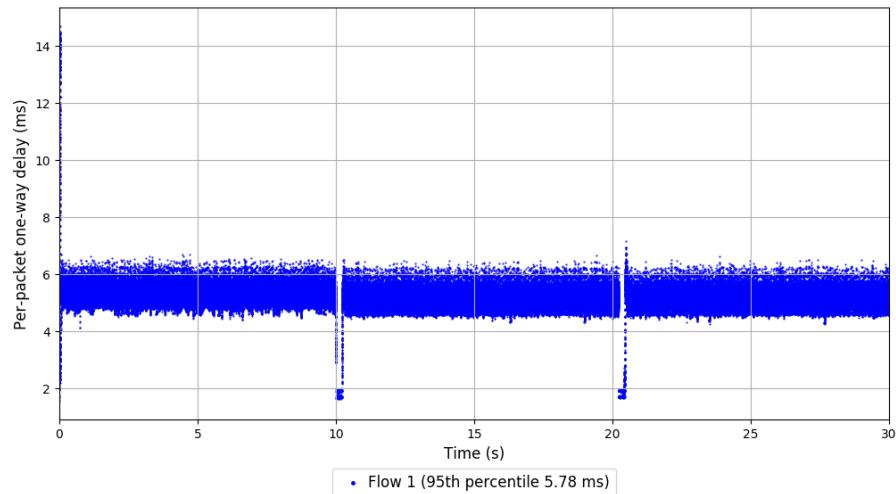
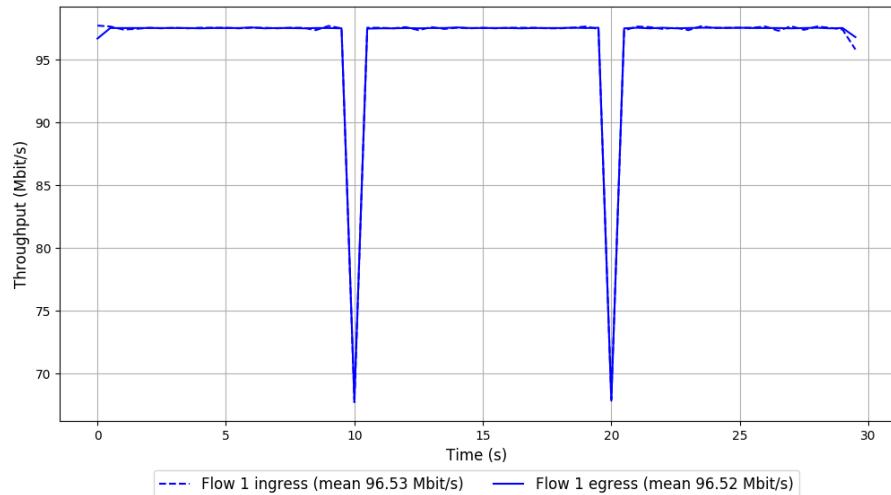


Run 10: Statistics of TCP BBR

```
Start at: 2018-04-24 11:08:16
End at: 2018-04-24 11:08:46
Local clock offset: -7.93 ms
Remote clock offset: -6.649 ms

# Below is generated by plot.py at 2018-04-24 11:55:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 5.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 5.781 ms
Loss rate: 0.00%
```

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

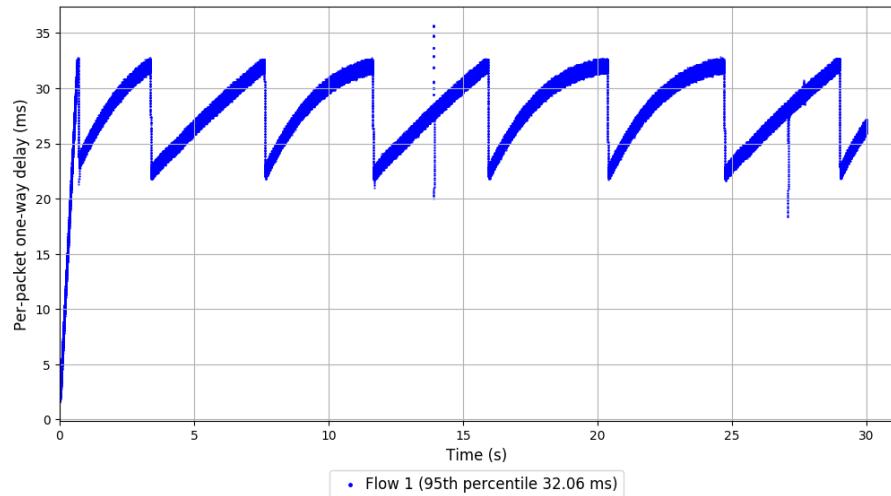
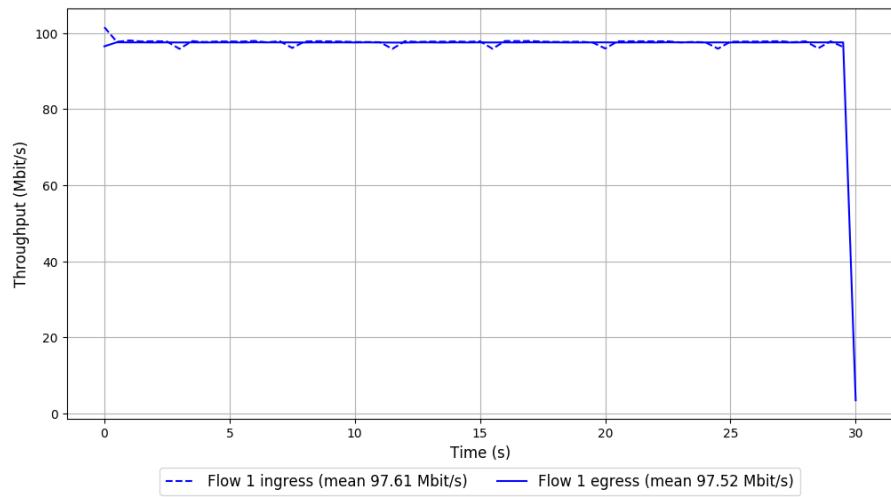


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-04-24 08:27:17
End at: 2018-04-24 08:27:47
Local clock offset: 3.733 ms
Remote clock offset: -6.651 ms

# Below is generated by plot.py at 2018-04-24 11:55:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: 32.060 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: 32.060 ms
Loss rate: 0.01%
```

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

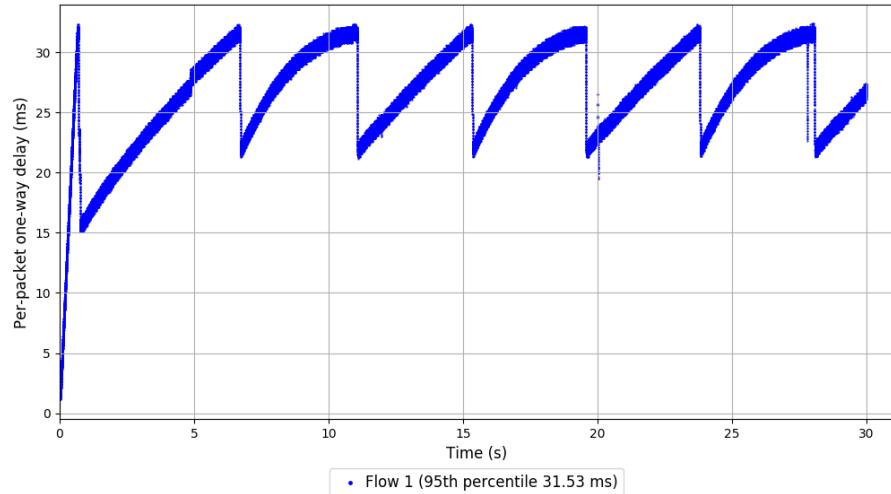
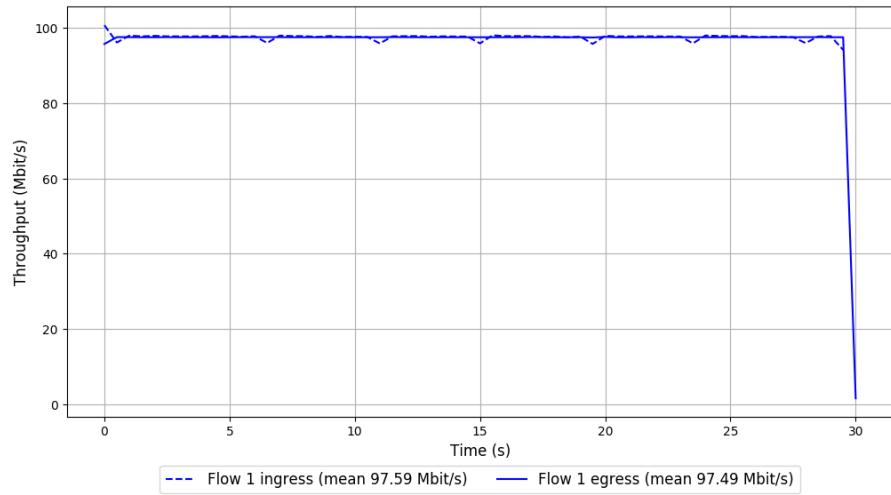


Run 2: Statistics of TCP Cubic

```
Start at: 2018-04-24 08:46:19
End at: 2018-04-24 08:46:49
Local clock offset: 6.509 ms
Remote clock offset: -6.595 ms

# Below is generated by plot.py at 2018-04-24 11:55:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 31.533 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 31.533 ms
Loss rate: 0.01%
```

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

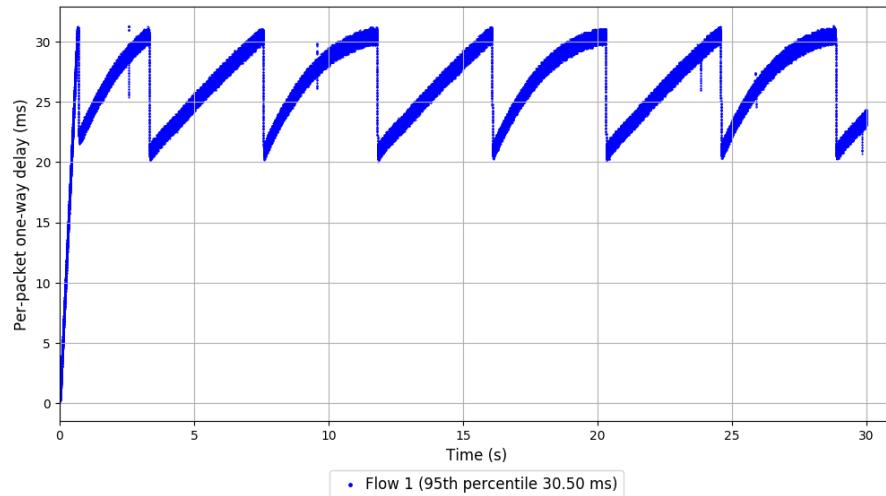
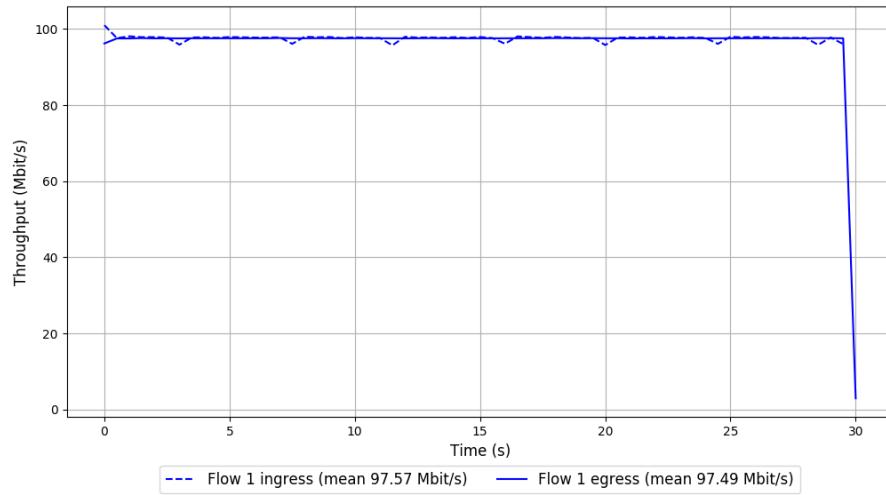


Run 3: Statistics of TCP Cubic

```
Start at: 2018-04-24 09:05:16
End at: 2018-04-24 09:05:47
Local clock offset: 9.614 ms
Remote clock offset: -6.577 ms

# Below is generated by plot.py at 2018-04-24 11:55:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 30.501 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 30.501 ms
Loss rate: 0.01%
```

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

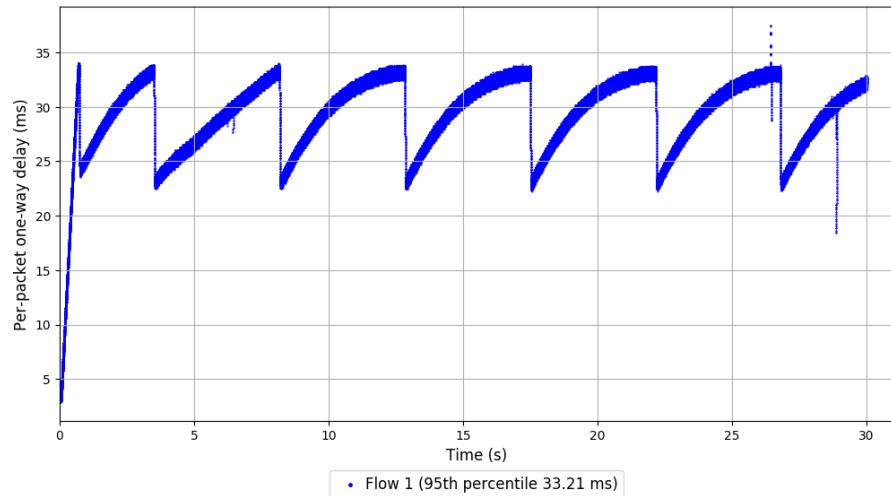
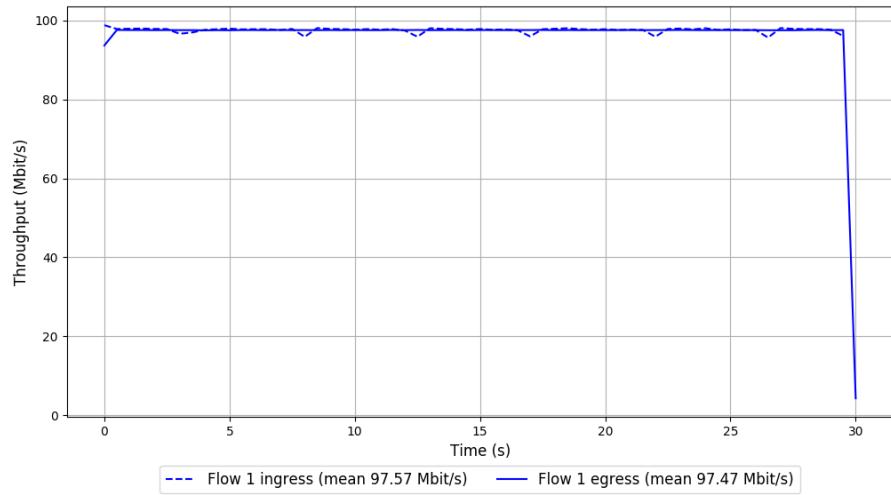


Run 4: Statistics of TCP Cubic

```
Start at: 2018-04-24 09:24:16
End at: 2018-04-24 09:24:46
Local clock offset: -8.417 ms
Remote clock offset: -6.658 ms

# Below is generated by plot.py at 2018-04-24 11:55:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.212 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.212 ms
Loss rate: 0.01%
```

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

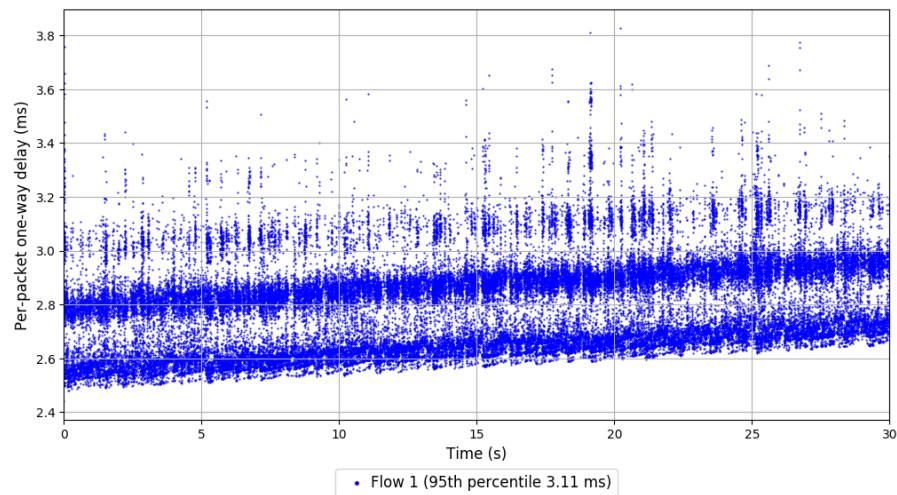
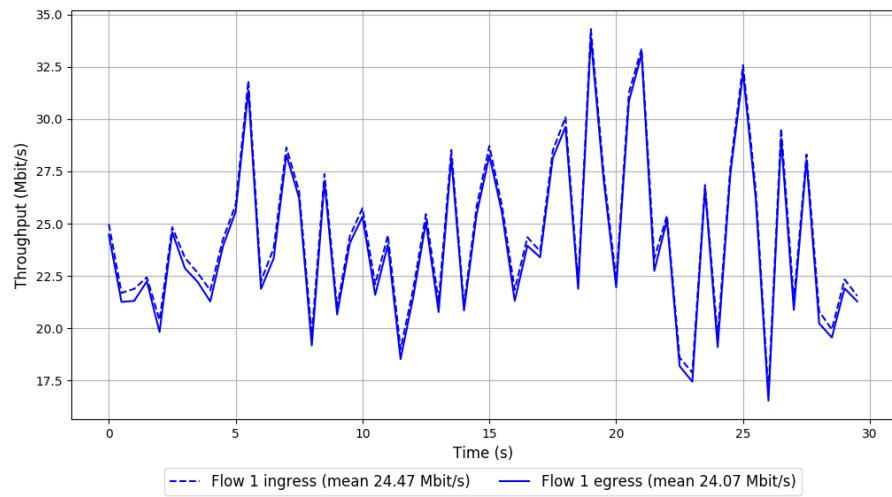


Run 5: Statistics of TCP Cubic

```
Start at: 2018-04-24 09:43:20
End at: 2018-04-24 09:43:50
Local clock offset: -11.291 ms
Remote clock offset: -6.736 ms

# Below is generated by plot.py at 2018-04-24 11:55:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 3.112 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 3.112 ms
Loss rate: 1.63%
```

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

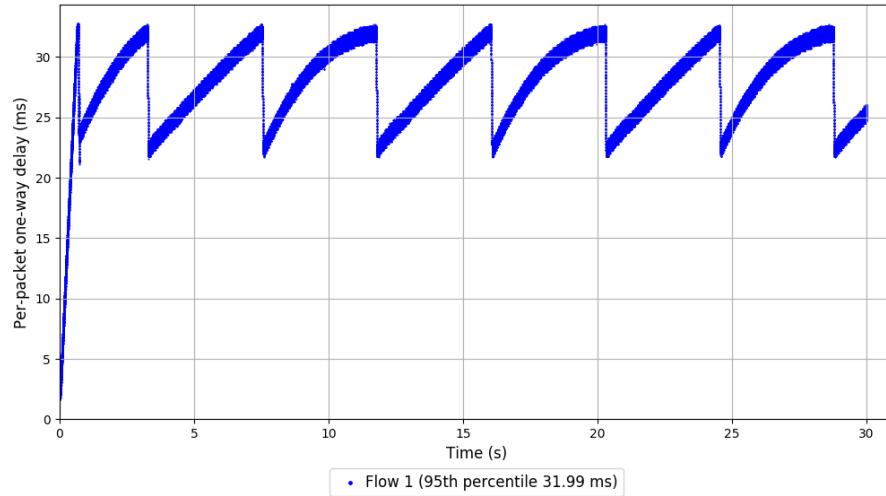
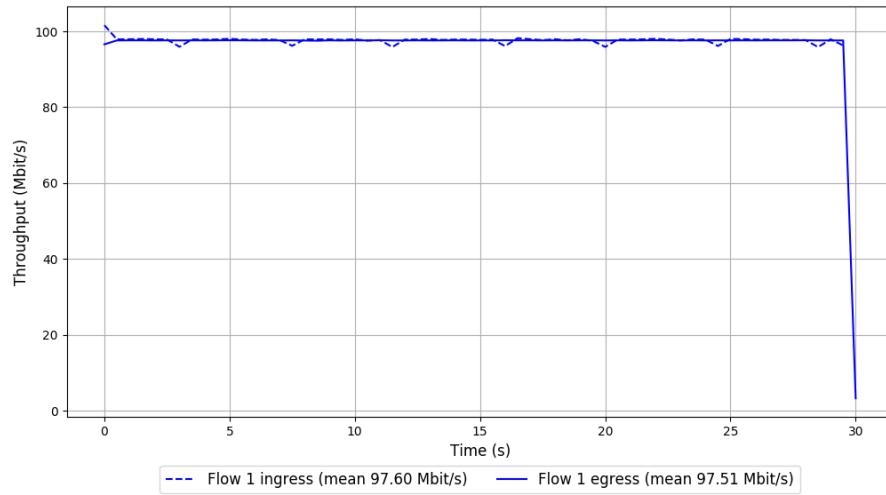


Run 6: Statistics of TCP Cubic

```
Start at: 2018-04-24 10:02:17
End at: 2018-04-24 10:02:47
Local clock offset: -10.256 ms
Remote clock offset: -6.723 ms

# Below is generated by plot.py at 2018-04-24 11:55:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.986 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.986 ms
Loss rate: 0.01%
```

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

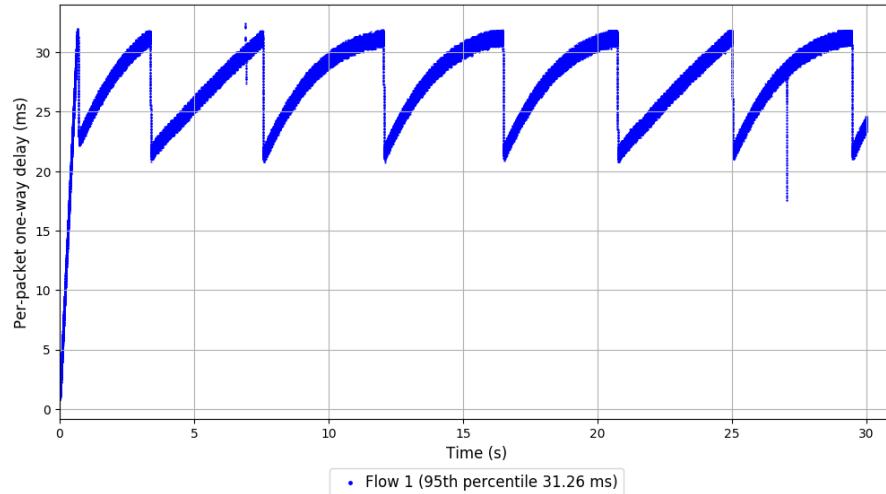
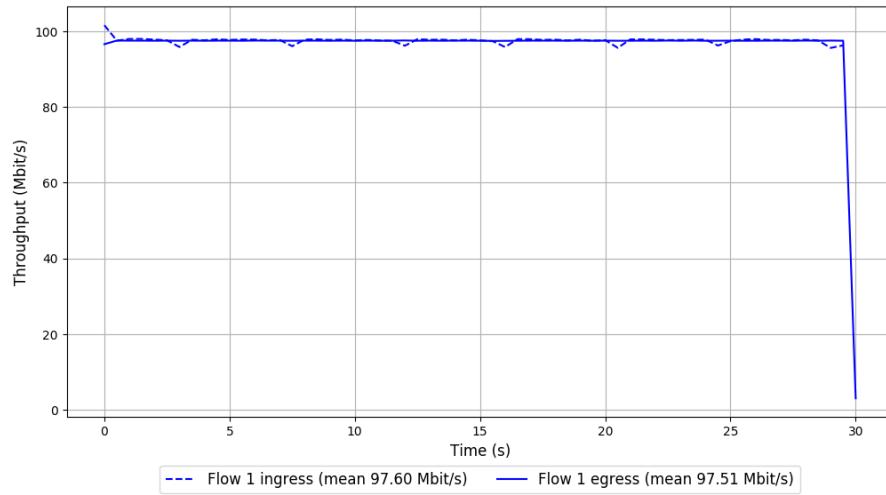


Run 7: Statistics of TCP Cubic

```
Start at: 2018-04-24 10:21:14
End at: 2018-04-24 10:21:44
Local clock offset: -8.811 ms
Remote clock offset: -6.697 ms

# Below is generated by plot.py at 2018-04-24 11:56:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.258 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.258 ms
Loss rate: 0.01%
```

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

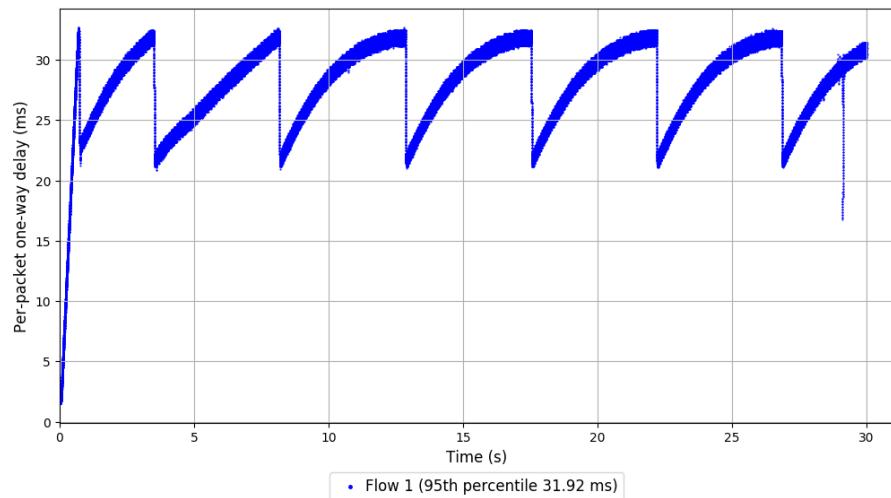
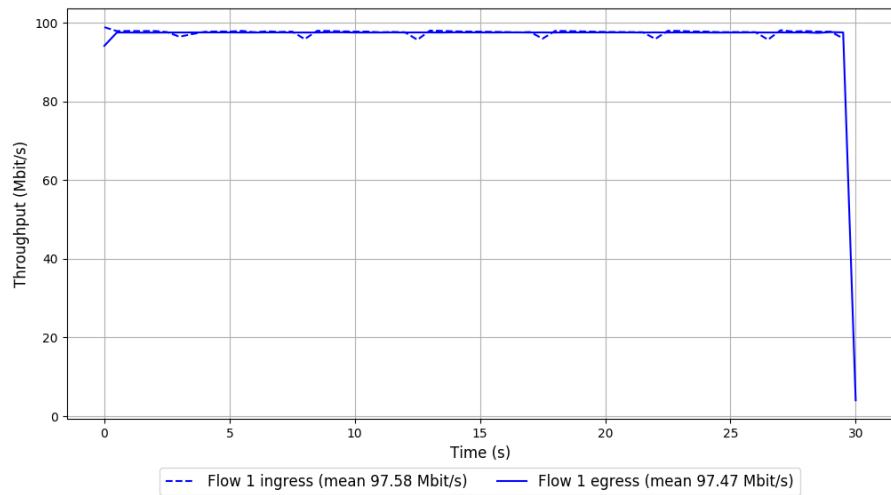


Run 8: Statistics of TCP Cubic

```
Start at: 2018-04-24 10:40:14
End at: 2018-04-24 10:40:44
Local clock offset: -7.473 ms
Remote clock offset: -6.723 ms

# Below is generated by plot.py at 2018-04-24 11:57:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.922 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.922 ms
Loss rate: 0.02%
```

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

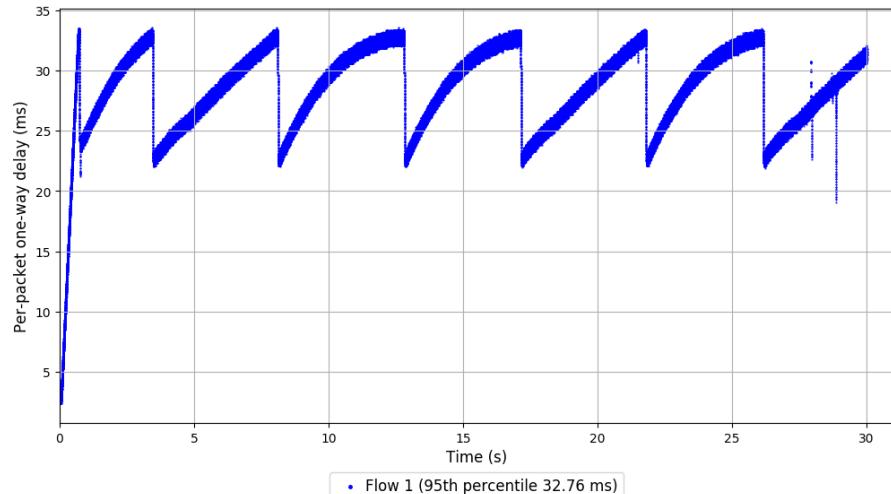
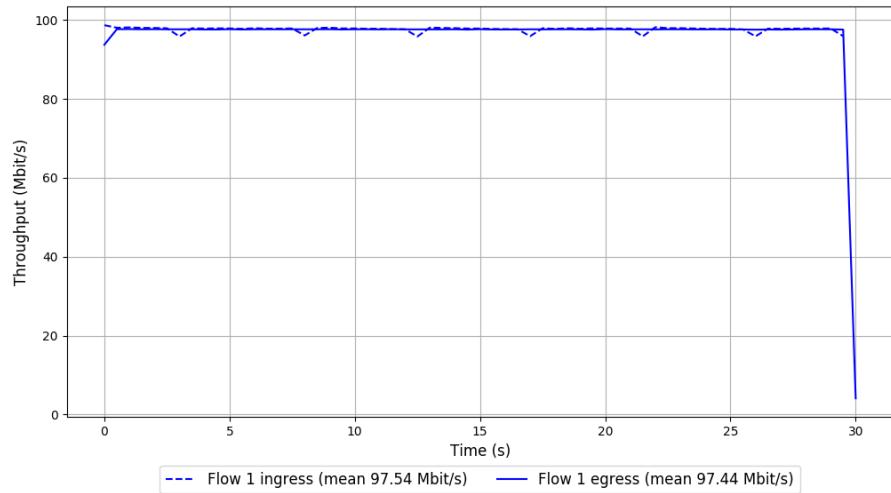


Run 9: Statistics of TCP Cubic

```
Start at: 2018-04-24 10:59:16
End at: 2018-04-24 10:59:46
Local clock offset: -7.476 ms
Remote clock offset: -6.595 ms

# Below is generated by plot.py at 2018-04-24 11:57:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.762 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.762 ms
Loss rate: 0.01%
```

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

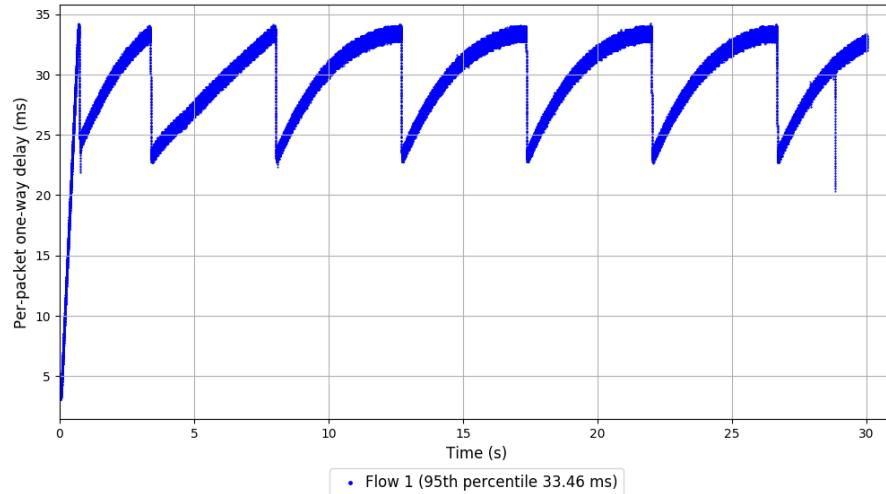
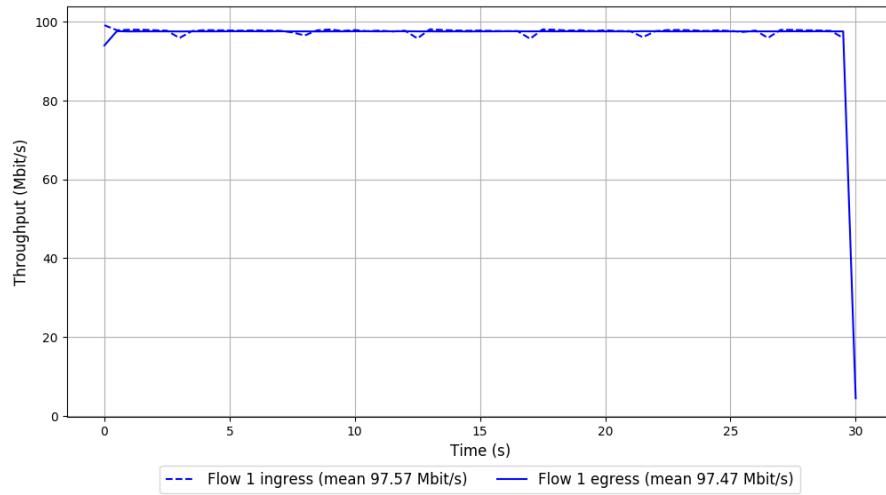


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-04-24 11:18:18
End at: 2018-04-24 11:18:48
Local clock offset: -7.878 ms
Remote clock offset: -6.713 ms

# Below is generated by plot.py at 2018-04-24 11:57:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.462 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.462 ms
Loss rate: 0.01%
```

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

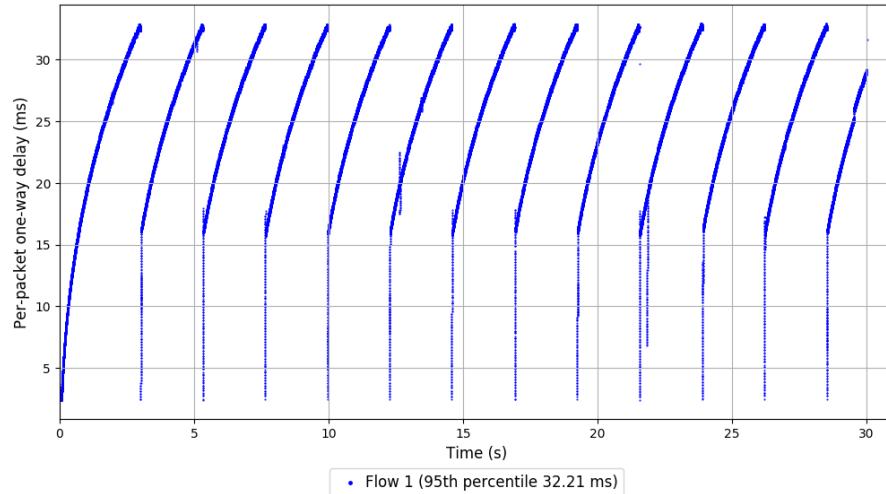
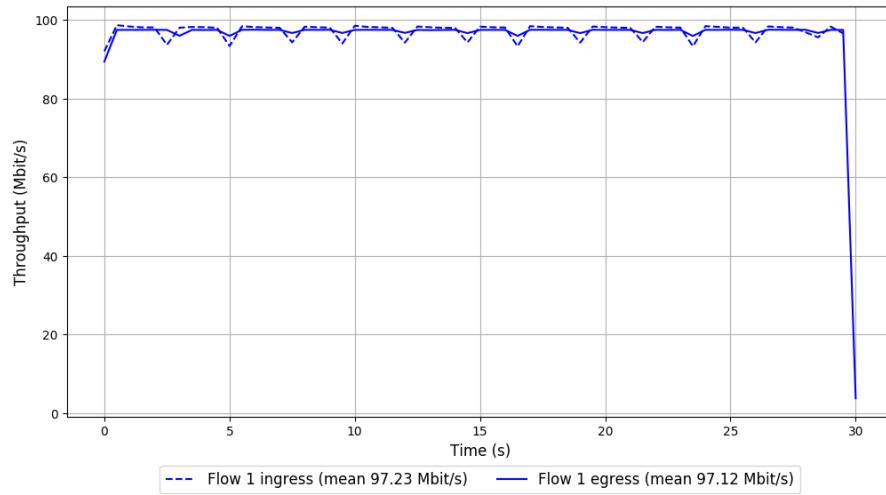


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-04-24 08:23:54
End at: 2018-04-24 08:24:24
Local clock offset: 3.968 ms
Remote clock offset: -6.742 ms

# Below is generated by plot.py at 2018-04-24 11:57:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.207 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.207 ms
Loss rate: 0.02%
```

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

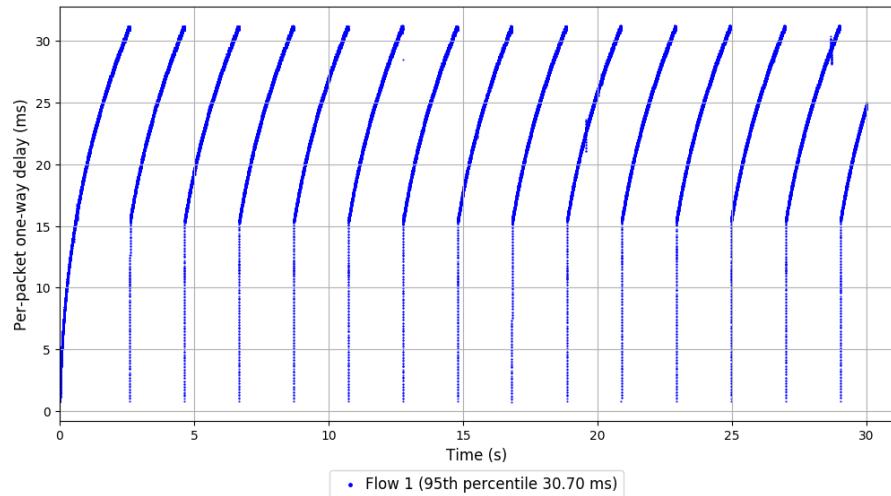
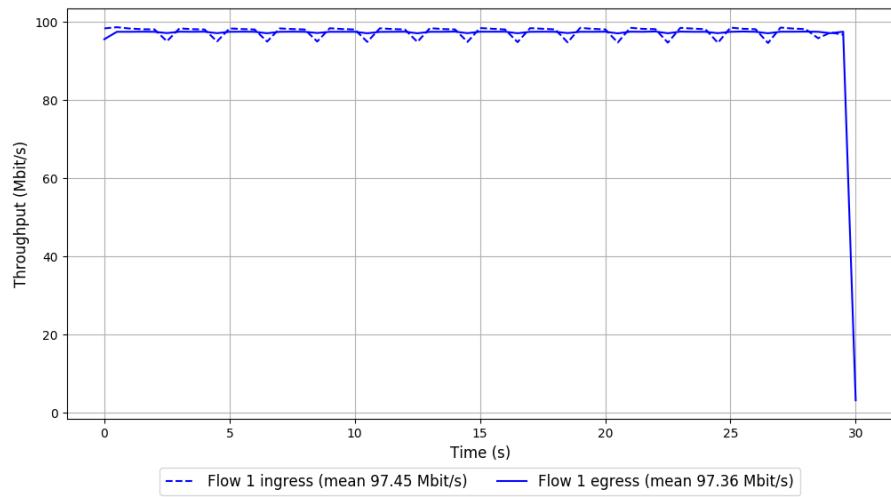


Run 2: Statistics of LEDBAT

```
Start at: 2018-04-24 08:42:55
End at: 2018-04-24 08:43:25
Local clock offset: 6.465 ms
Remote clock offset: -6.618 ms

# Below is generated by plot.py at 2018-04-24 11:57:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 30.696 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 30.696 ms
Loss rate: 0.01%
```

## Run 2: Report of LEDBAT — Data Link

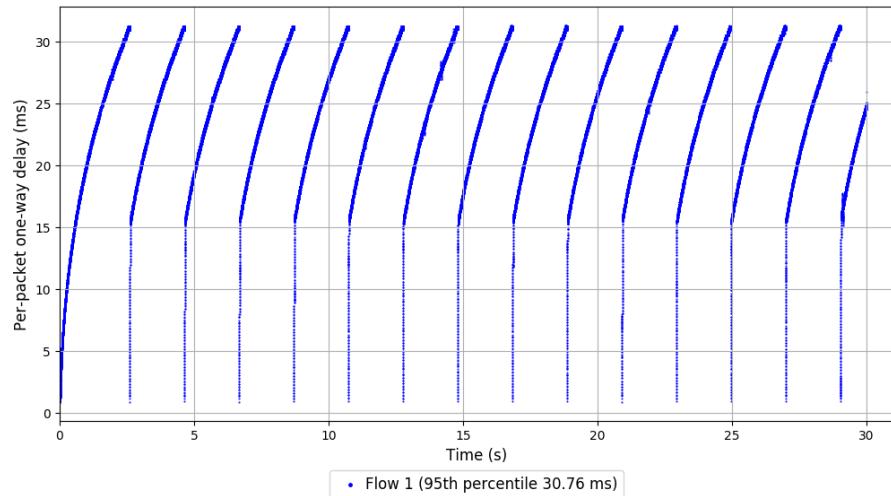
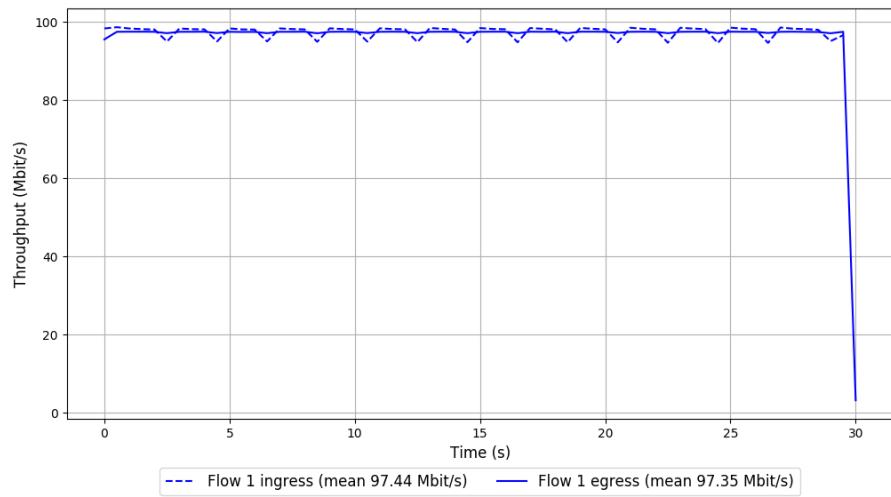


Run 3: Statistics of LEDBAT

```
Start at: 2018-04-24 09:01:53
End at: 2018-04-24 09:02:23
Local clock offset: 8.515 ms
Remote clock offset: -6.578 ms

# Below is generated by plot.py at 2018-04-24 11:57:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 30.757 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 30.757 ms
Loss rate: 0.01%
```

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

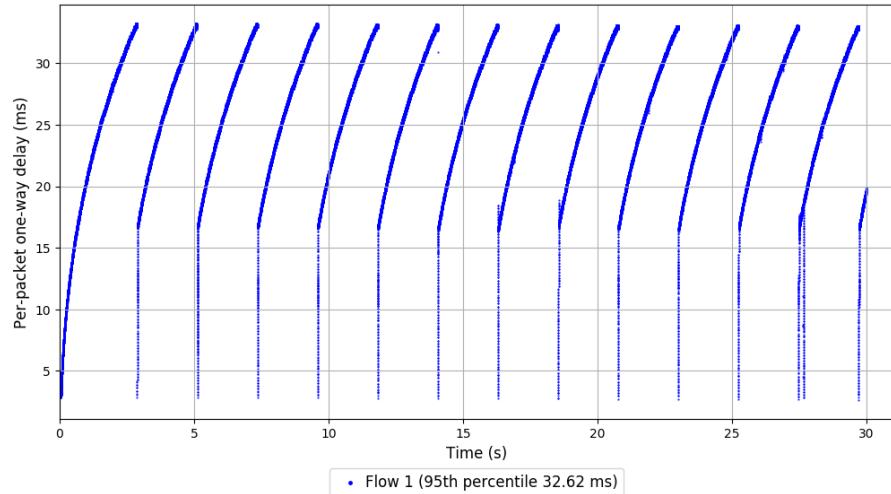
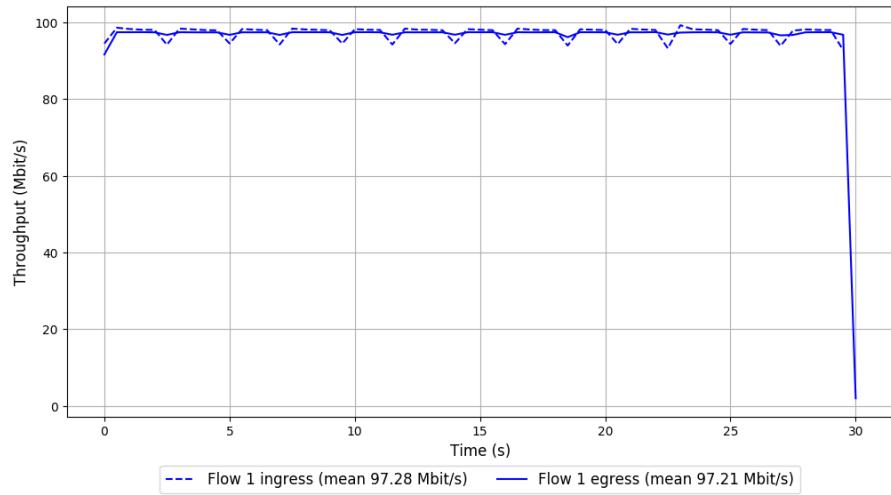


Run 4: Statistics of LEDBAT

```
Start at: 2018-04-24 09:20:52
End at: 2018-04-24 09:21:22
Local clock offset: -6.903 ms
Remote clock offset: -6.707 ms

# Below is generated by plot.py at 2018-04-24 11:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 32.624 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 32.624 ms
Loss rate: 0.02%
```

## Run 4: Report of LEDBAT — Data Link

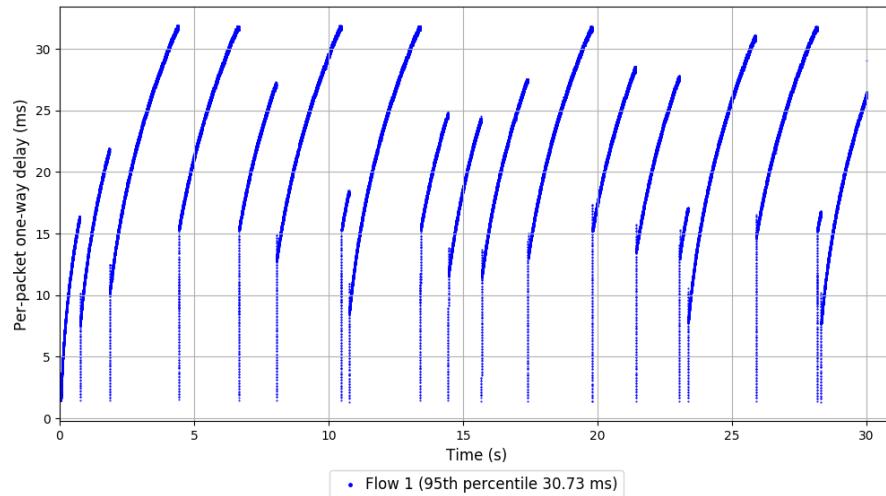
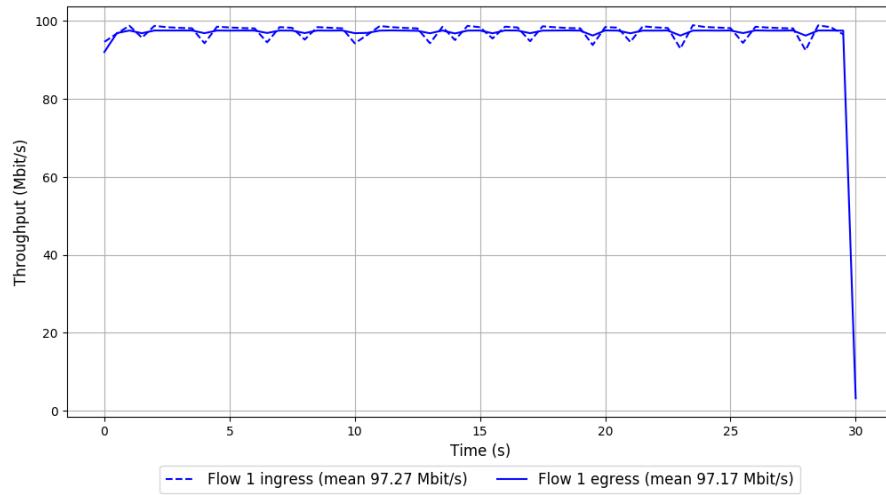


Run 5: Statistics of LEDBAT

```
Start at: 2018-04-24 09:39:56
End at: 2018-04-24 09:40:26
Local clock offset: -11.339 ms
Remote clock offset: -6.673 ms

# Below is generated by plot.py at 2018-04-24 11:57:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 30.727 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 30.727 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

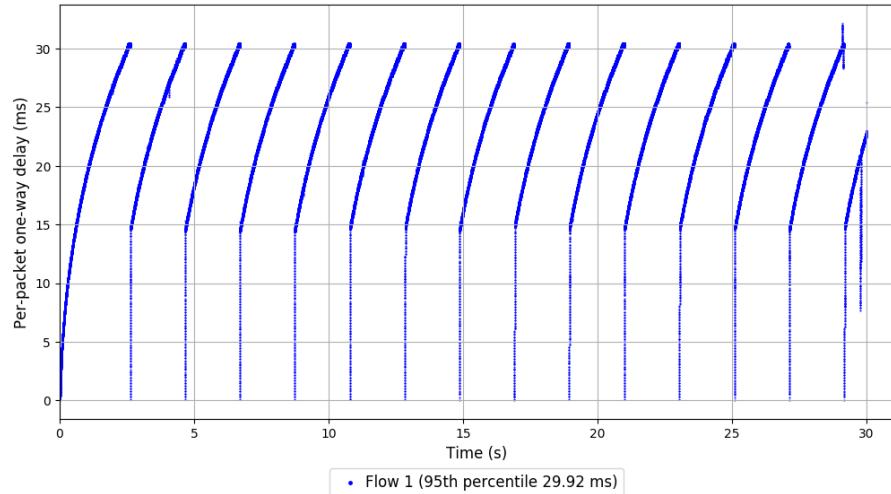
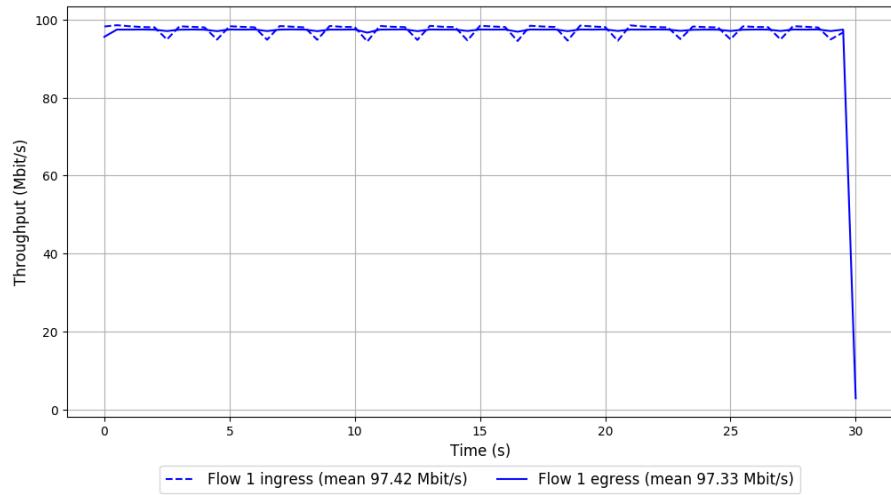


Run 6: Statistics of LEDBAT

```
Start at: 2018-04-24 09:58:54
End at: 2018-04-24 09:59:24
Local clock offset: -8.545 ms
Remote clock offset: -6.719 ms

# Below is generated by plot.py at 2018-04-24 11:58:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 29.923 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 29.923 ms
Loss rate: 0.01%
```

Run 6: Report of LEDBAT — Data Link

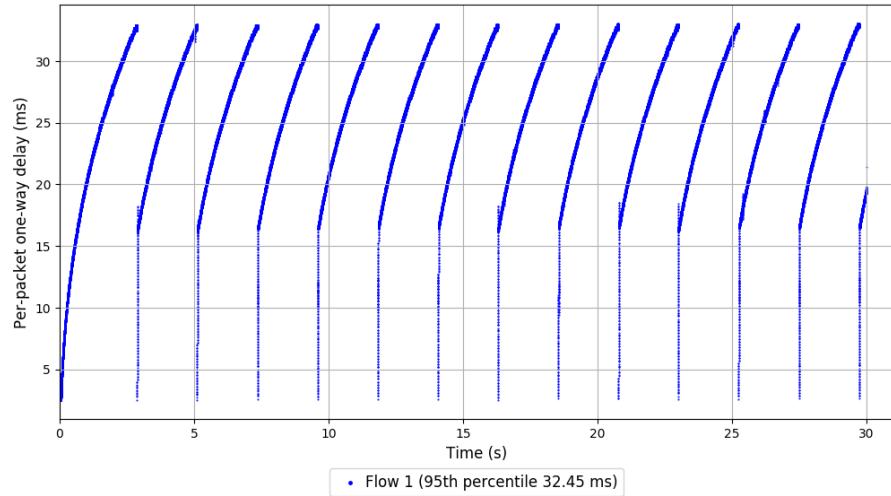
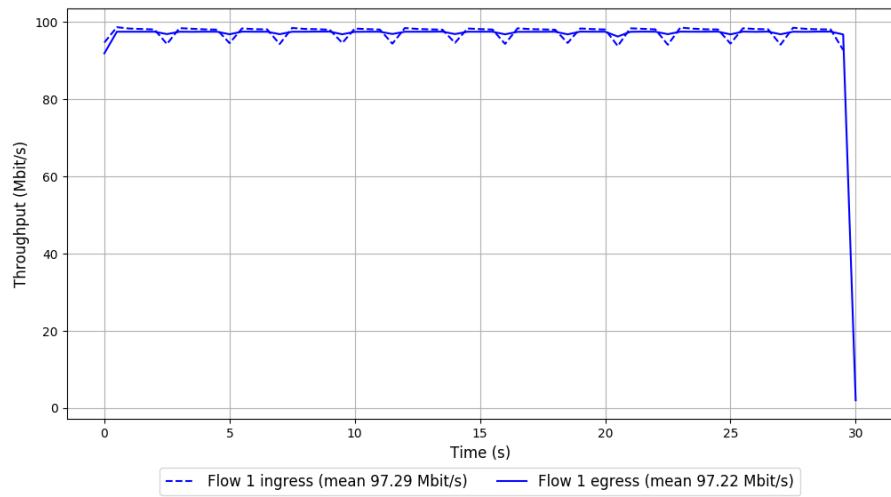


Run 7: Statistics of LEDBAT

```
Start at: 2018-04-24 10:17:50
End at: 2018-04-24 10:18:20
Local clock offset: -9.586 ms
Remote clock offset: -6.698 ms

# Below is generated by plot.py at 2018-04-24 11:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 32.446 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 32.446 ms
Loss rate: 0.01%
```

## Run 7: Report of LEDBAT — Data Link

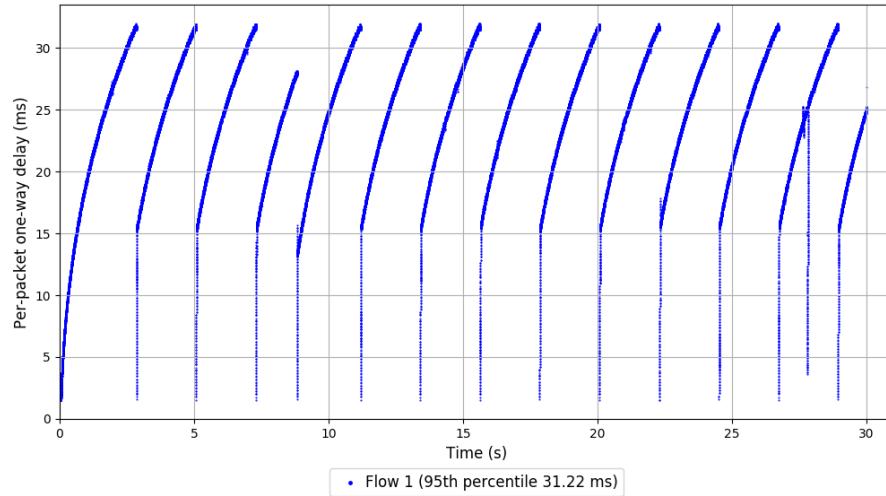
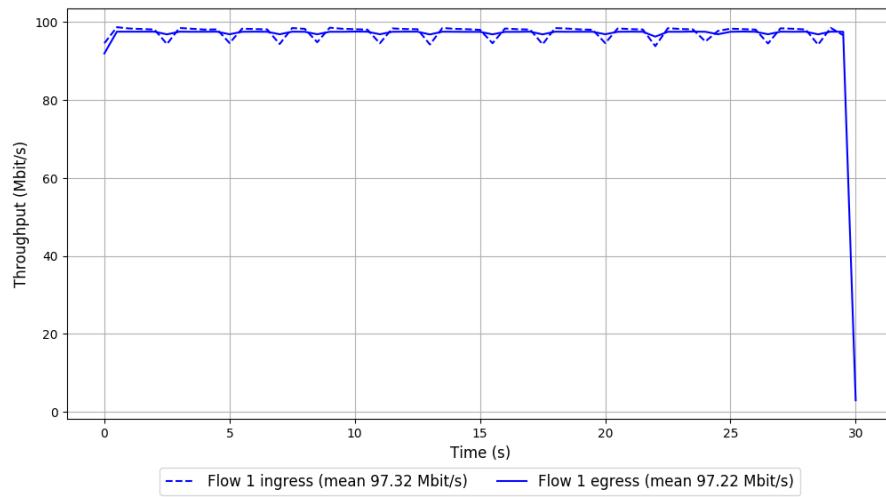


Run 8: Statistics of LEDBAT

```
Start at: 2018-04-24 10:36:50
End at: 2018-04-24 10:37:20
Local clock offset: -7.391 ms
Remote clock offset: -6.767 ms

# Below is generated by plot.py at 2018-04-24 11:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 31.219 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 31.219 ms
Loss rate: 0.01%
```

Run 8: Report of LEDBAT — Data Link

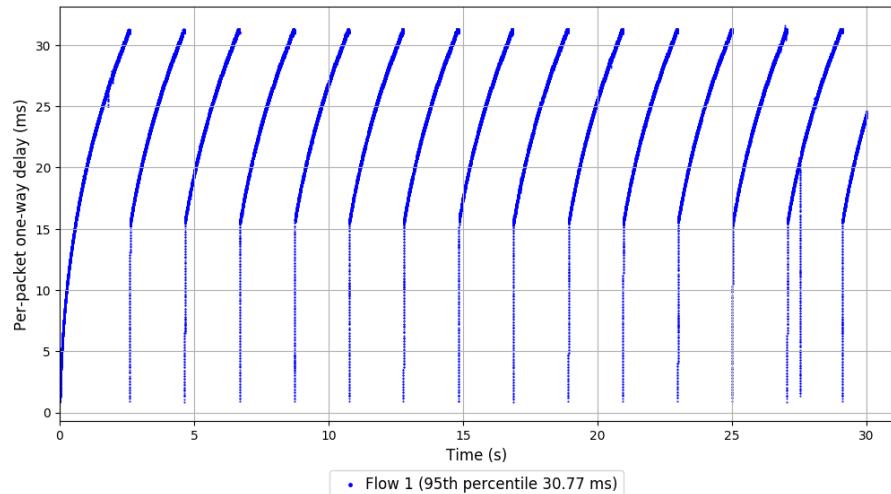
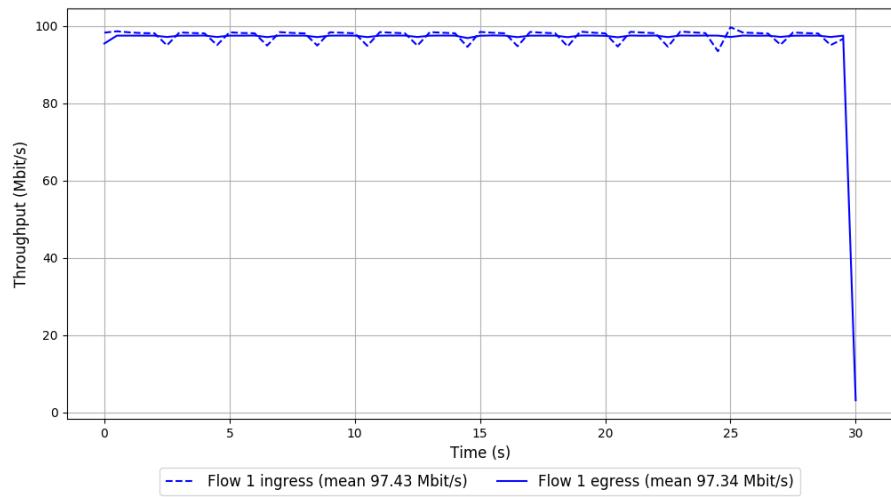


Run 9: Statistics of LEDBAT

```
Start at: 2018-04-24 10:55:52
End at: 2018-04-24 10:56:22
Local clock offset: -7.652 ms
Remote clock offset: -6.589 ms

# Below is generated by plot.py at 2018-04-24 11:58:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 30.768 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 30.768 ms
Loss rate: 0.01%
```

## Run 9: Report of LEDBAT — Data Link

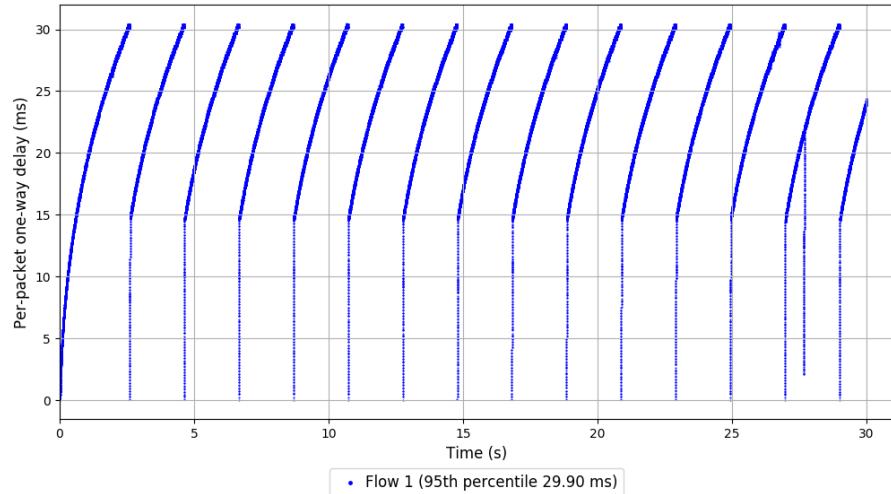
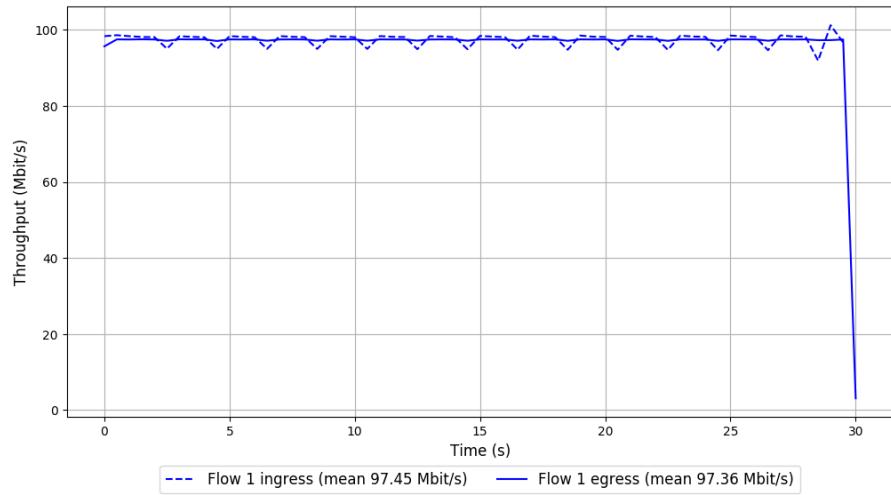


Run 10: Statistics of LEDBAT

```
Start at: 2018-04-24 11:14:55
End at: 2018-04-24 11:15:25
Local clock offset: -6.326 ms
Remote clock offset: -6.696 ms

# Below is generated by plot.py at 2018-04-24 11:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 29.903 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 29.903 ms
Loss rate: 0.01%
```

## Run 10: Report of LEDBAT — Data Link

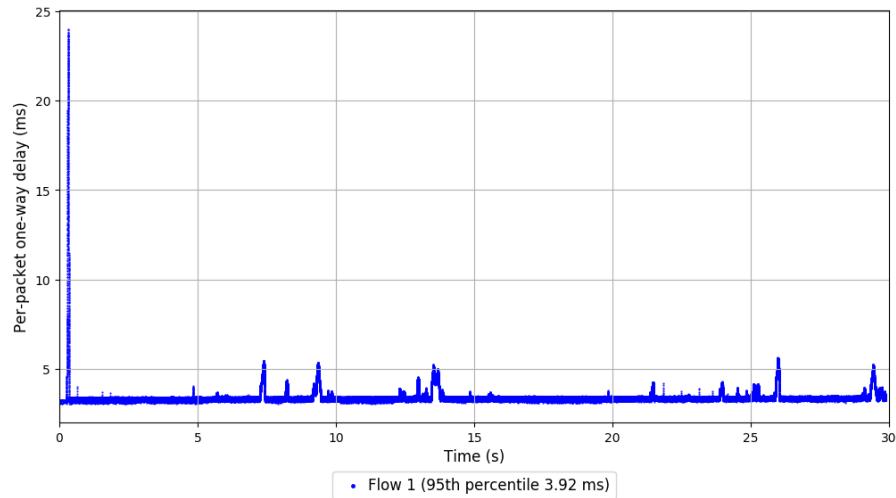
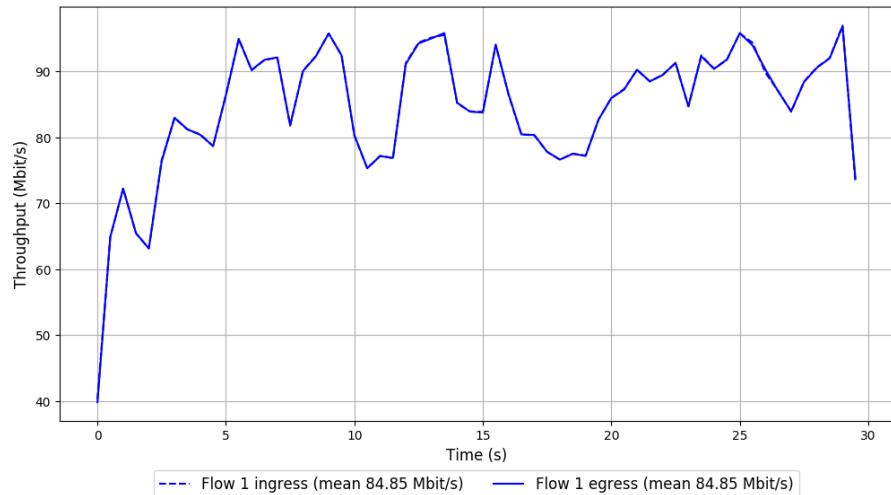


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-04-24 08:22:47
End at: 2018-04-24 08:23:17
Local clock offset: 3.026 ms
Remote clock offset: -6.774 ms

# Below is generated by plot.py at 2018-04-24 11:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 3.923 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 3.923 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link

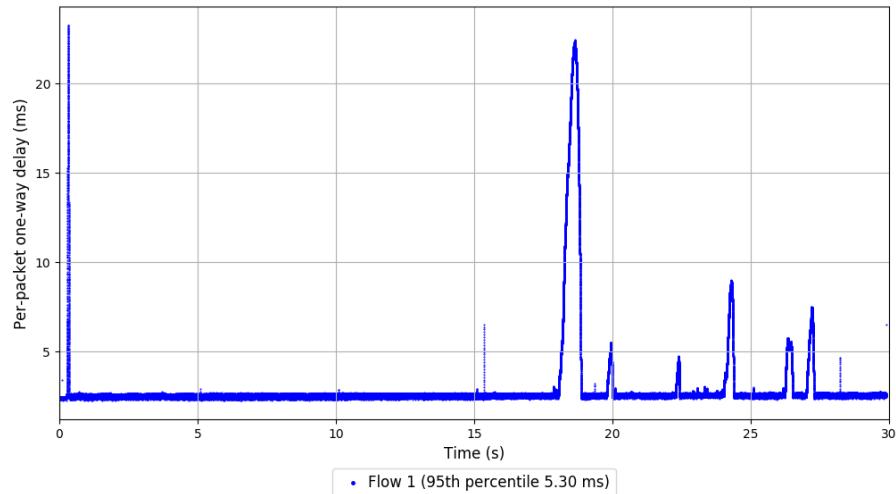
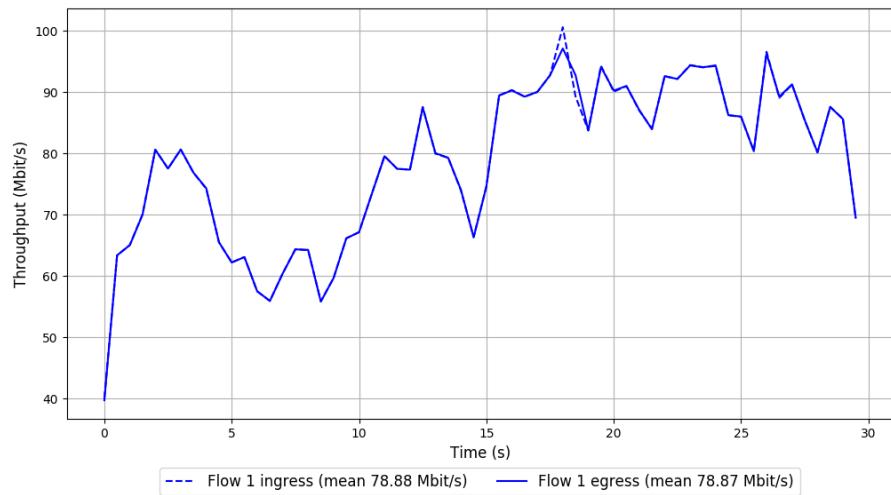


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-04-24 08:41:49
End at: 2018-04-24 08:42:19
Local clock offset: 6.313 ms
Remote clock offset: -6.572 ms

# Below is generated by plot.py at 2018-04-24 11:58:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.87 Mbit/s
95th percentile per-packet one-way delay: 5.302 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.87 Mbit/s
95th percentile per-packet one-way delay: 5.302 ms
Loss rate: 0.01%
```

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

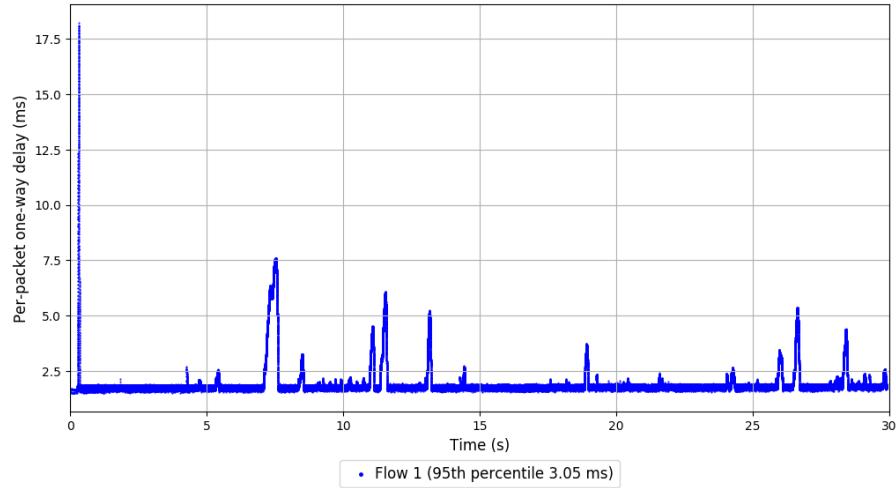
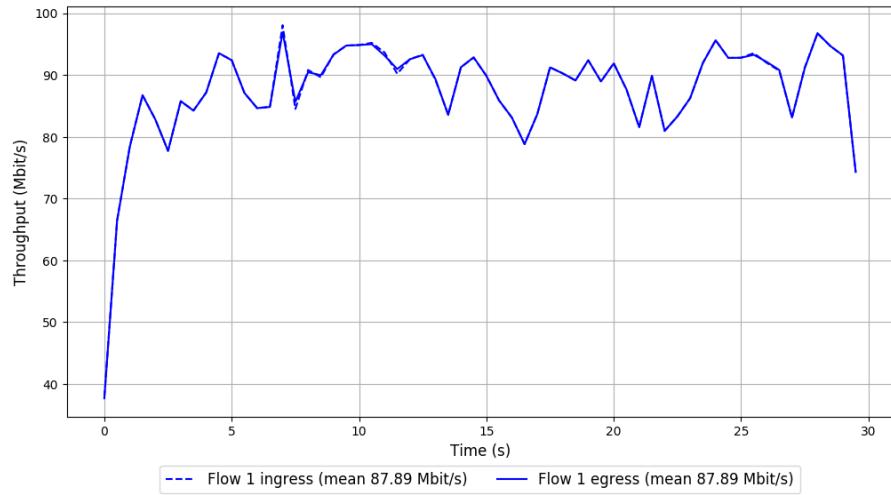


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-04-24 09:00:47
End at: 2018-04-24 09:01:17
Local clock offset: 9.121 ms
Remote clock offset: -6.581 ms

# Below is generated by plot.py at 2018-04-24 11:58:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 3.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 3.054 ms
Loss rate: 0.00%
```

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

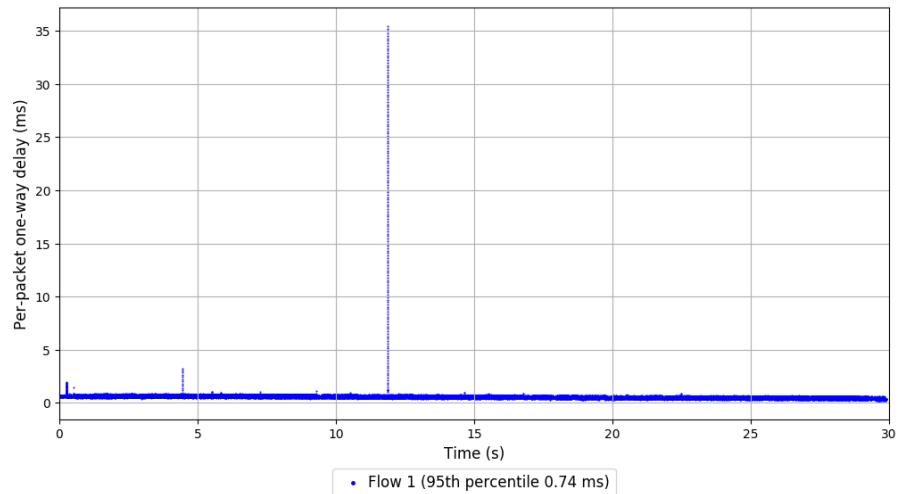
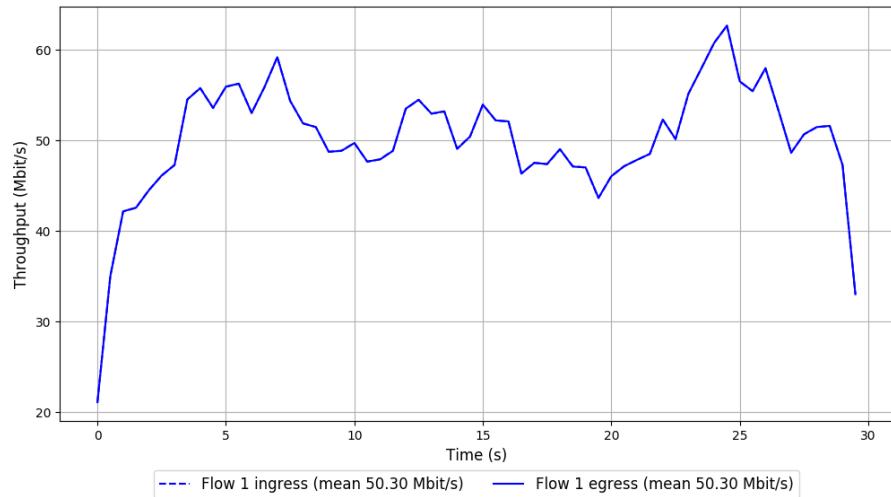


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-04-24 09:19:47
End at: 2018-04-24 09:20:17
Local clock offset: -5.538 ms
Remote clock offset: -6.652 ms

# Below is generated by plot.py at 2018-04-24 11:59:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 0.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 0.740 ms
Loss rate: 0.00%
```

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

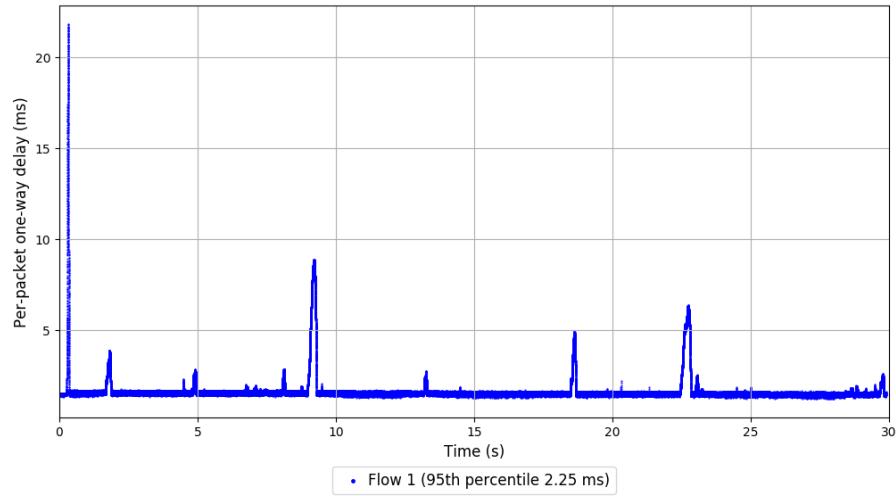
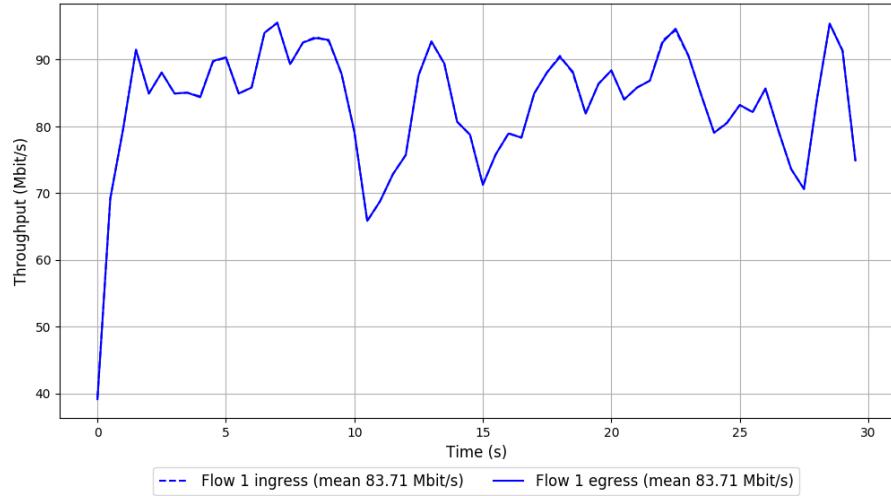


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-04-24 09:38:50
End at: 2018-04-24 09:39:20
Local clock offset: -11.072 ms
Remote clock offset: -6.69 ms

# Below is generated by plot.py at 2018-04-24 11:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 2.248 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 2.248 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Allegro — Data Link

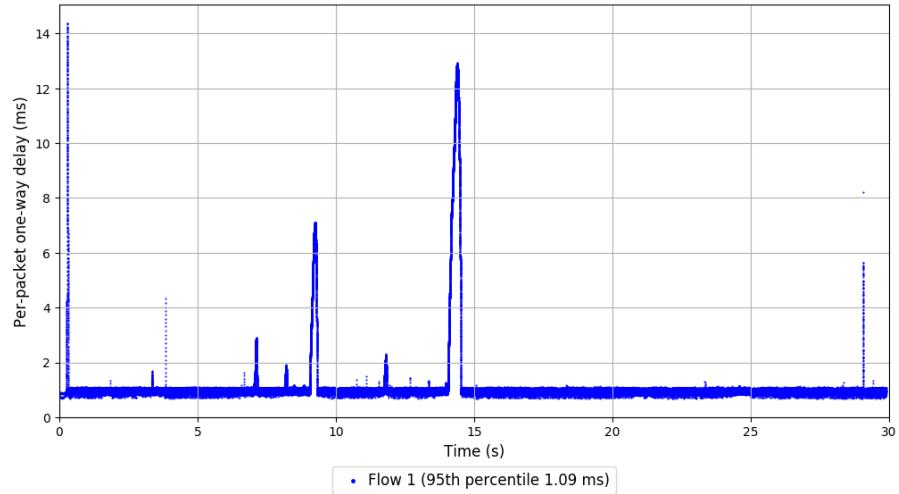
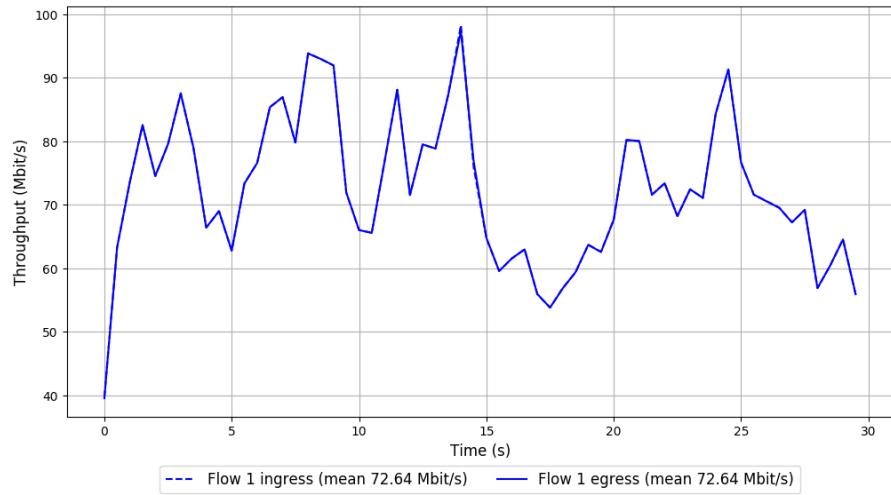


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-04-24 09:57:48
End at: 2018-04-24 09:58:18
Local clock offset: -9.337 ms
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-04-24 11:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.64 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.64 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
```

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

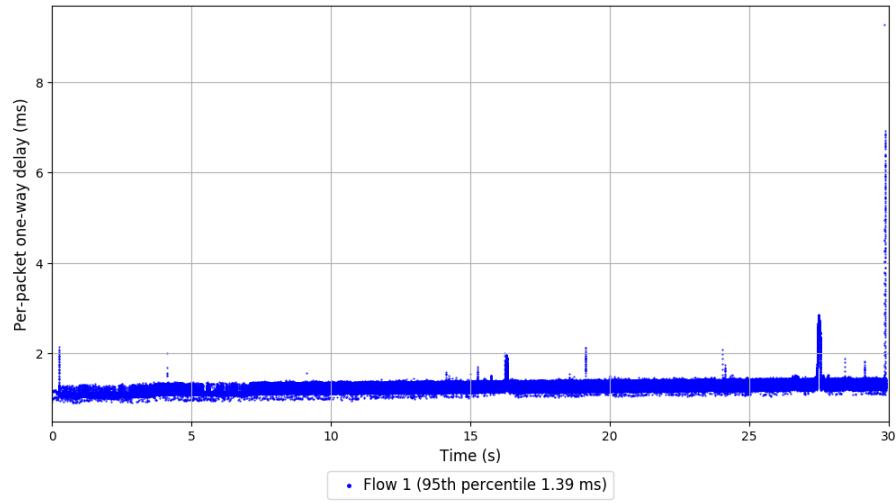
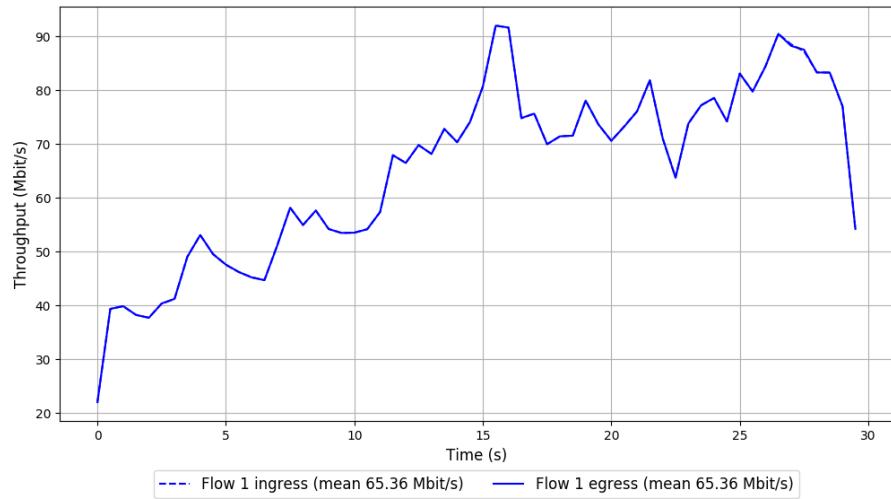


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-04-24 10:16:44
End at: 2018-04-24 10:17:14
Local clock offset: -9.889 ms
Remote clock offset: -6.697 ms

# Below is generated by plot.py at 2018-04-24 11:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.36 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.36 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.00%
```

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

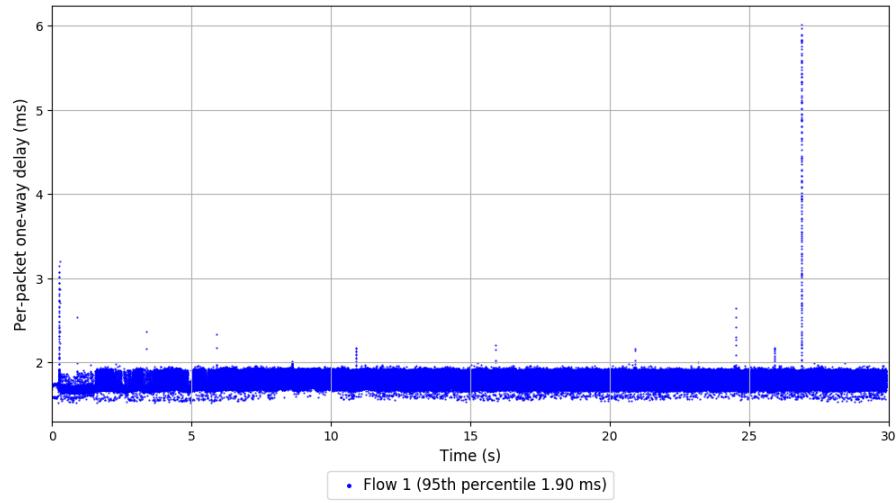
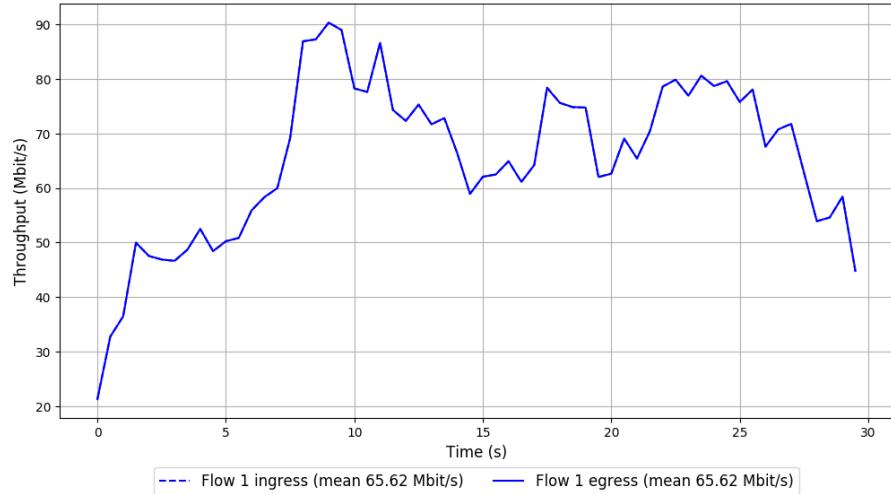


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-04-24 10:35:44
End at: 2018-04-24 10:36:15
Local clock offset: -8.967 ms
Remote clock offset: -6.744 ms

# Below is generated by plot.py at 2018-04-24 11:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 1.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 1.898 ms
Loss rate: 0.00%
```

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

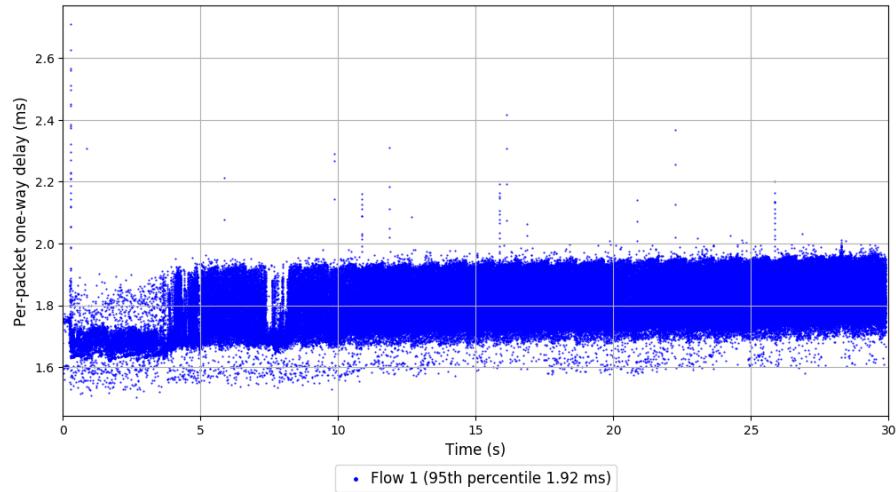
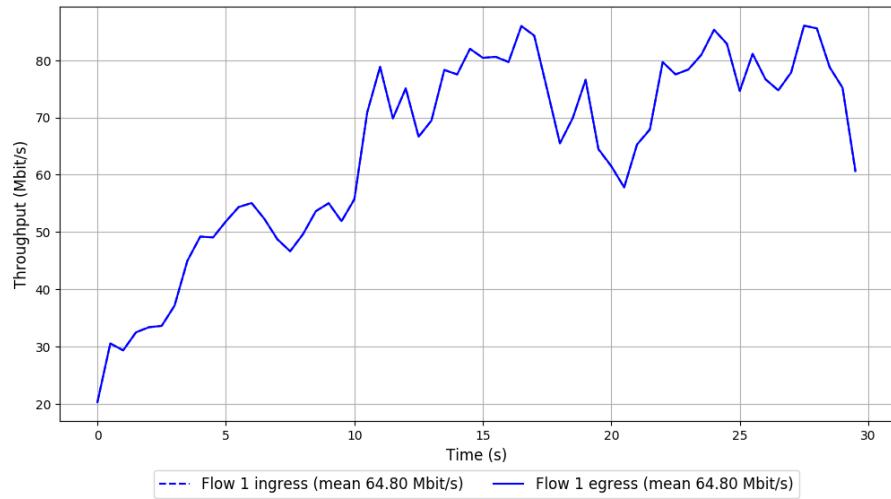


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-04-24 10:54:47
End at: 2018-04-24 10:55:17
Local clock offset: -8.503 ms
Remote clock offset: -6.573 ms

# Below is generated by plot.py at 2018-04-24 11:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 1.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 1.923 ms
Loss rate: 0.00%
```

### Run 9: Report of PCC-Allegro — Data Link

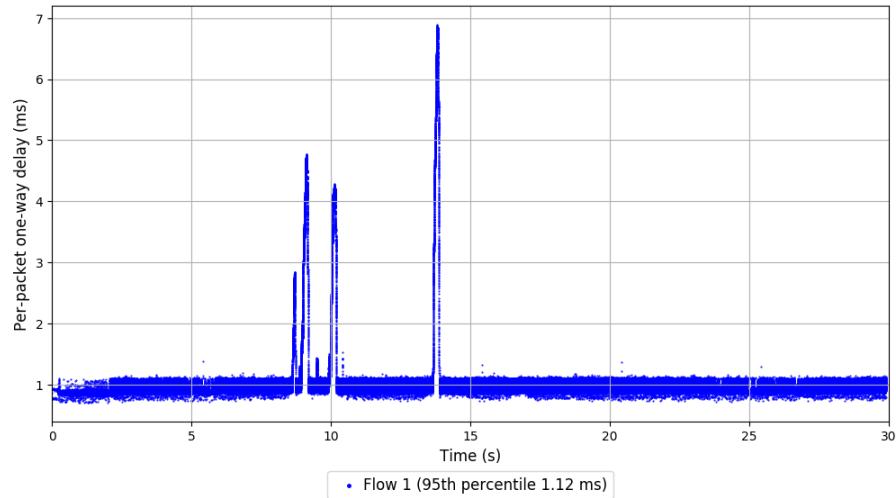
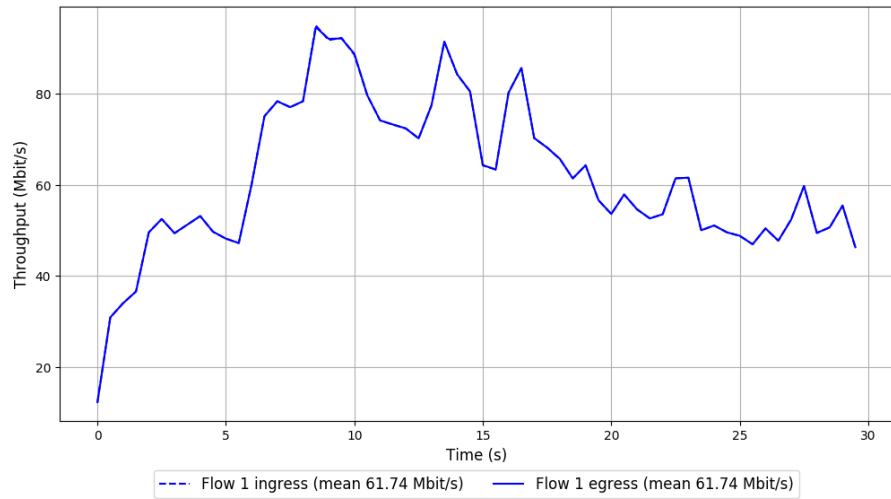


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-04-24 11:13:49
End at: 2018-04-24 11:14:19
Local clock offset: -7.17 ms
Remote clock offset: -6.685 ms

# Below is generated by plot.py at 2018-04-24 11:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.74 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.74 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

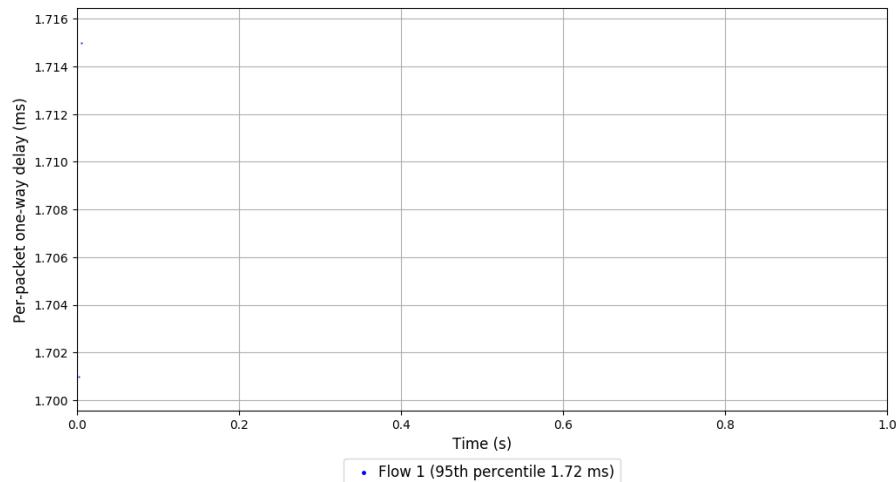
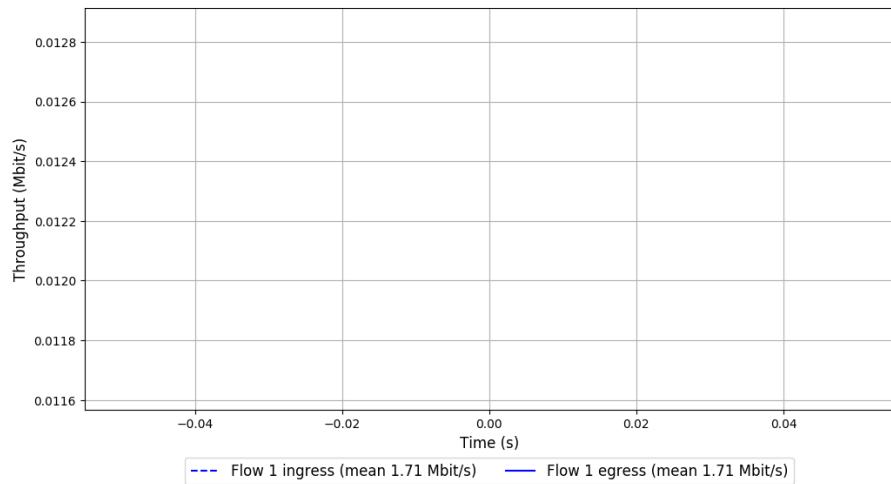
Start at: 2018-04-24 08:19:29

End at: 2018-04-24 08:19:59

Local clock offset: 2.435 ms

Remote clock offset: -6.759 ms

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

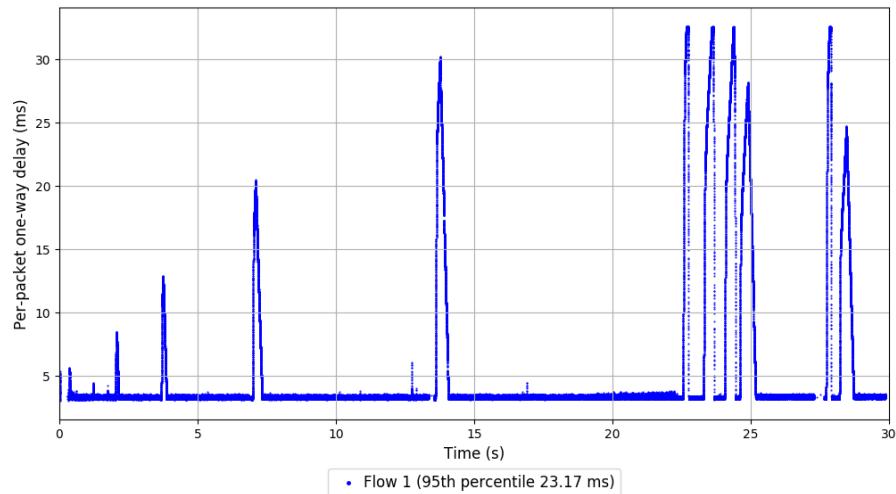
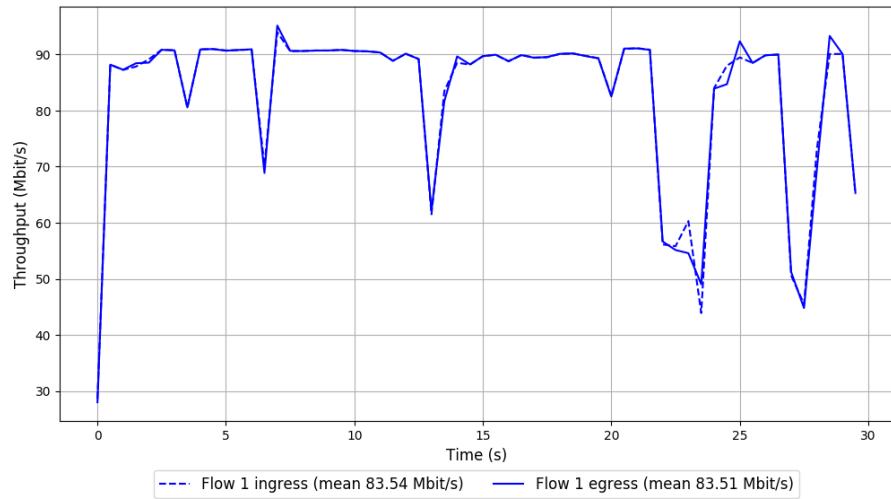


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-04-24 08:38:27
End at: 2018-04-24 08:38:57
Local clock offset: 5.088 ms
Remote clock offset: -6.646 ms

# Below is generated by plot.py at 2018-04-24 12:00:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 23.168 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 23.168 ms
Loss rate: 0.04%
```

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

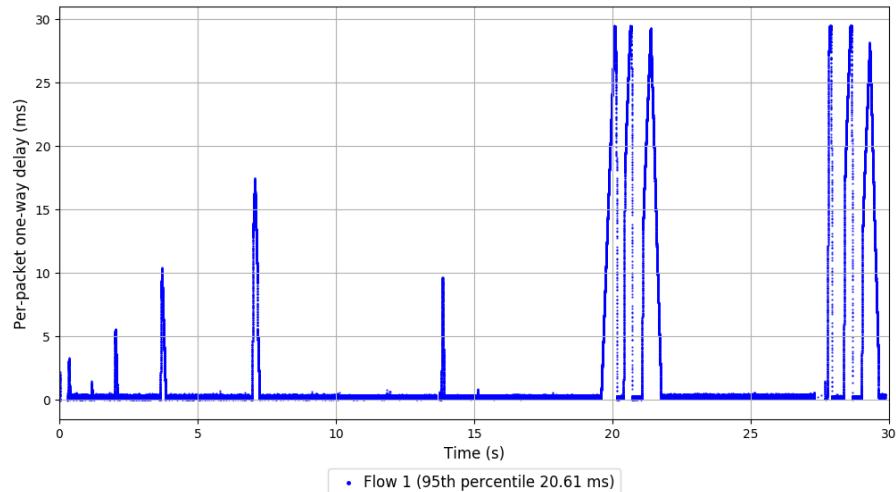
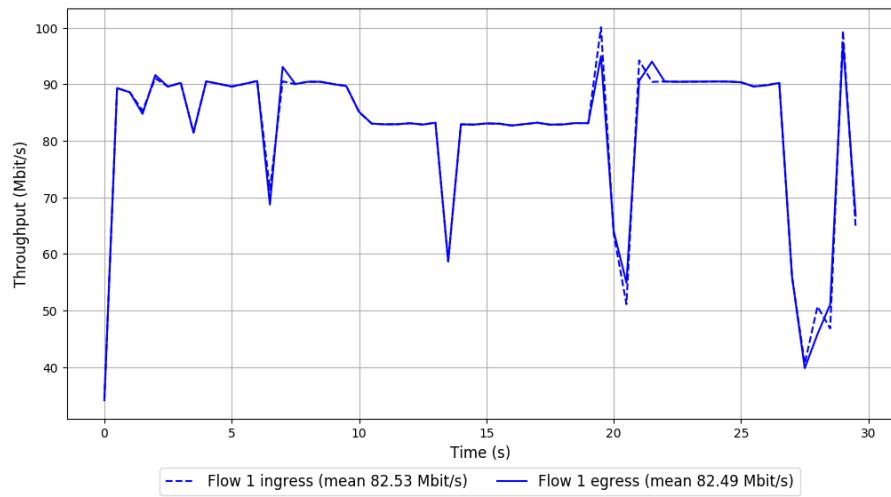


```
Run 3: Statistics of QUIC Cubic
```

```
Start at: 2018-04-24 08:57:31
End at: 2018-04-24 08:58:01
Local clock offset: 8.791 ms
Remote clock offset: -6.591 ms

# Below is generated by plot.py at 2018-04-24 12:00:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 20.605 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 20.605 ms
Loss rate: 0.05%
```

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

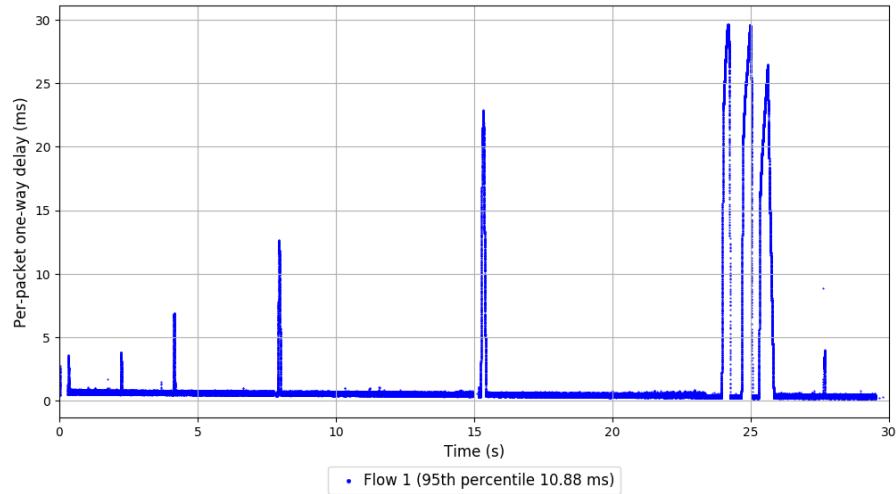
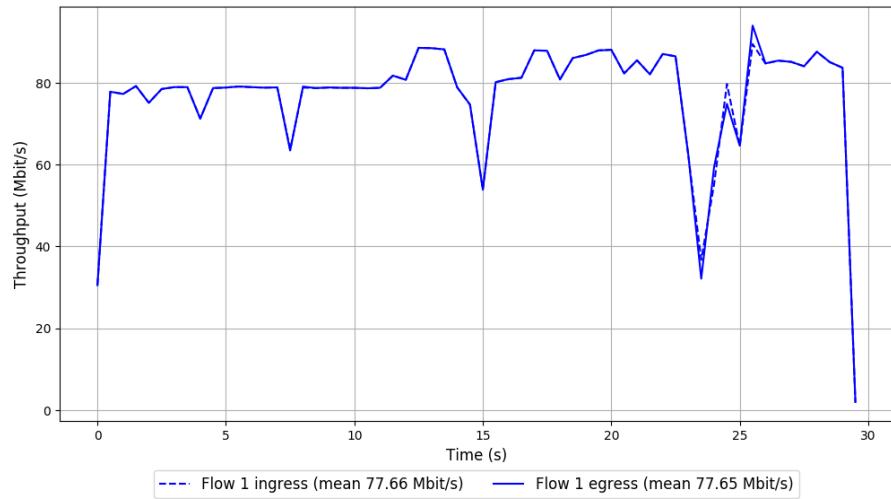


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-04-24 09:16:26
End at: 2018-04-24 09:16:56
Local clock offset: -3.299 ms
Remote clock offset: -6.628 ms

# Below is generated by plot.py at 2018-04-24 12:01:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 10.884 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 10.884 ms
Loss rate: 0.01%
```

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

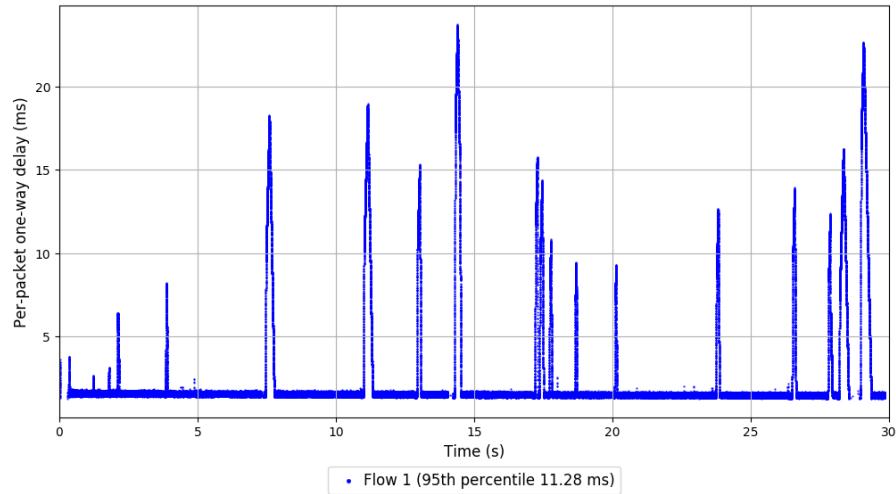
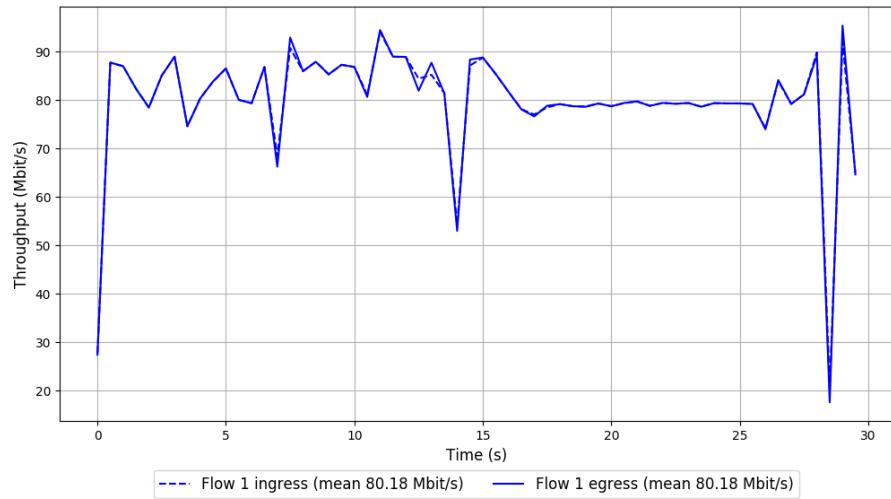


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-04-24 09:35:29
End at: 2018-04-24 09:35:59
Local clock offset: -10.305 ms
Remote clock offset: -6.692 ms

# Below is generated by plot.py at 2018-04-24 12:01:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.18 Mbit/s
95th percentile per-packet one-way delay: 11.280 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.18 Mbit/s
95th percentile per-packet one-way delay: 11.280 ms
Loss rate: 0.01%
```

Run 5: Report of QUIC Cubic — Data Link

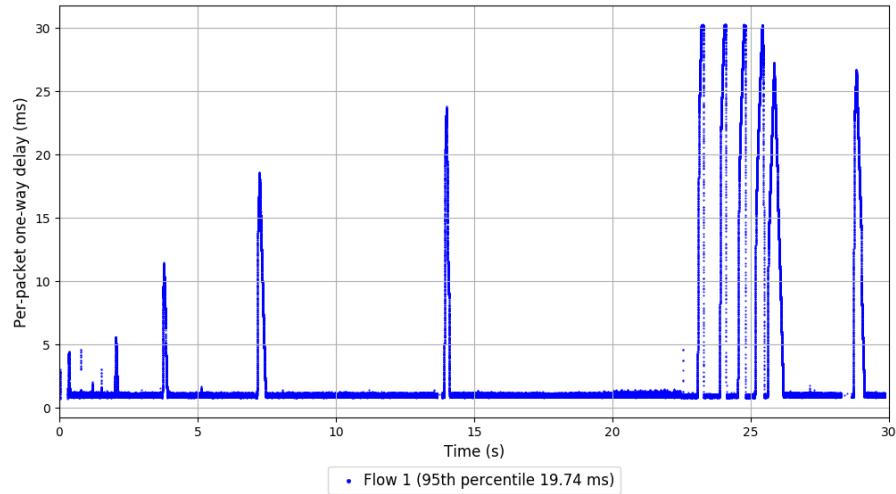
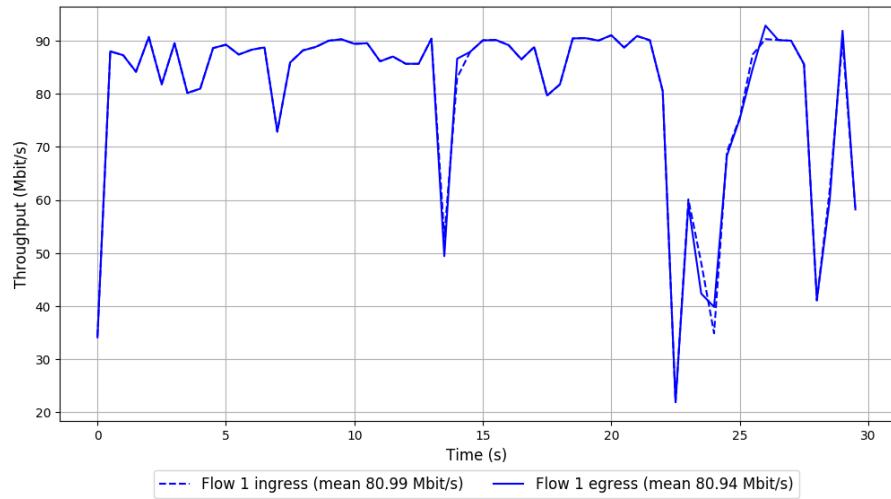


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-04-24 09:54:26
End at: 2018-04-24 09:54:56
Local clock offset: -9.29 ms
Remote clock offset: -6.7 ms

# Below is generated by plot.py at 2018-04-24 12:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.06%
```

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

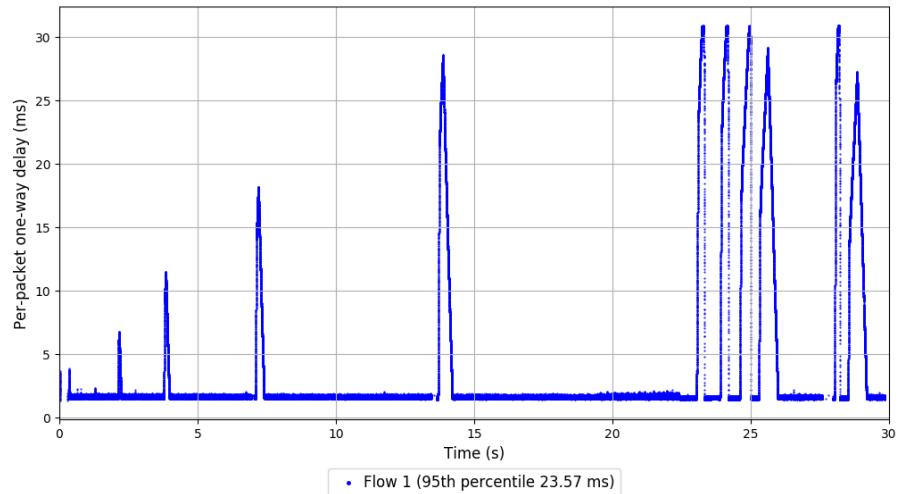
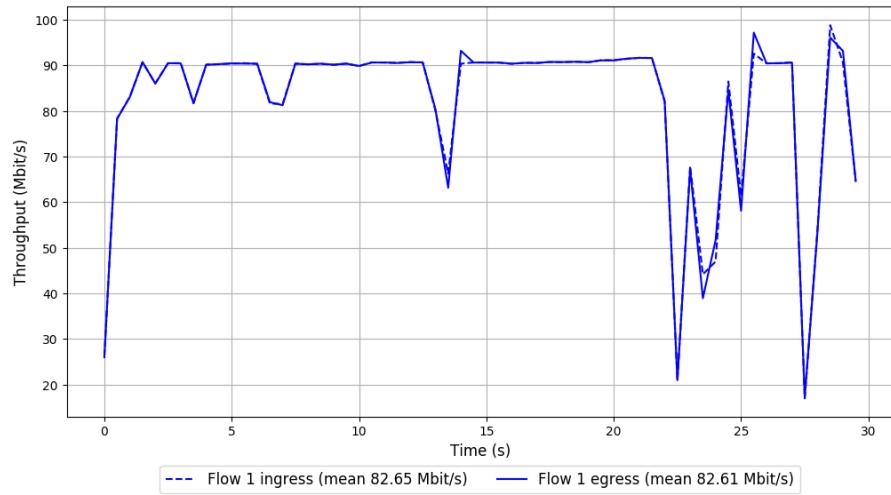


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-04-24 10:13:29
End at: 2018-04-24 10:13:59
Local clock offset: -9.449 ms
Remote clock offset: -6.698 ms

# Below is generated by plot.py at 2018-04-24 12:01:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 23.574 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 23.574 ms
Loss rate: 0.05%
```

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

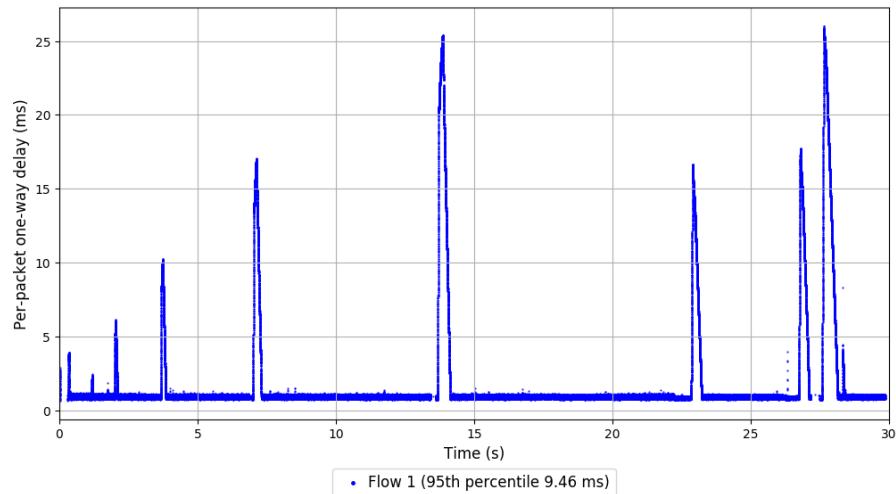
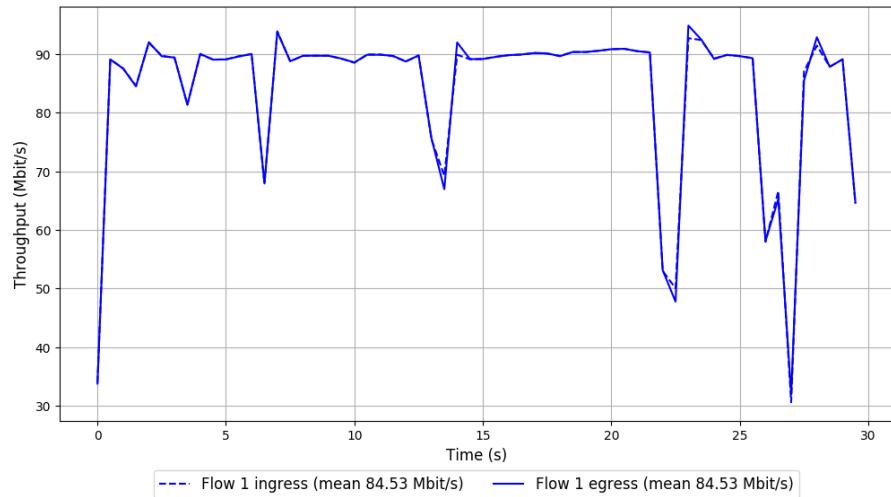


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-04-24 10:32:23
End at: 2018-04-24 10:32:53
Local clock offset: -8.193 ms
Remote clock offset: -6.803 ms

# Below is generated by plot.py at 2018-04-24 12:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 9.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 9.462 ms
Loss rate: 0.00%
```

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

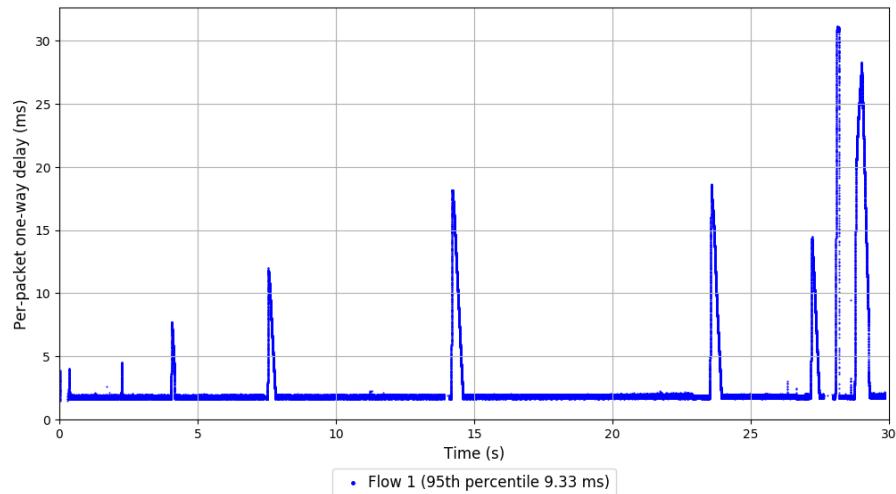
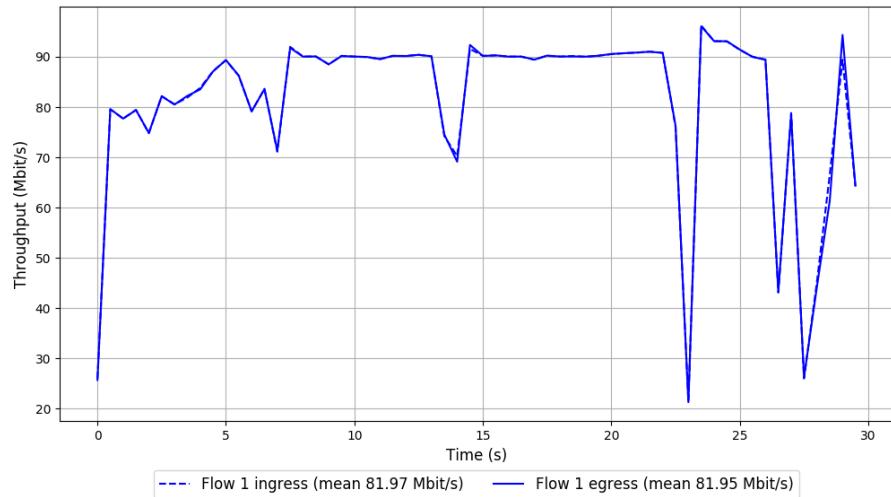


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-04-24 10:51:25
End at: 2018-04-24 10:51:55
Local clock offset: -7.414 ms
Remote clock offset: -6.577 ms

# Below is generated by plot.py at 2018-04-24 12:01:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.95 Mbit/s
95th percentile per-packet one-way delay: 9.327 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.95 Mbit/s
95th percentile per-packet one-way delay: 9.327 ms
Loss rate: 0.02%
```

Run 9: Report of QUIC Cubic — Data Link

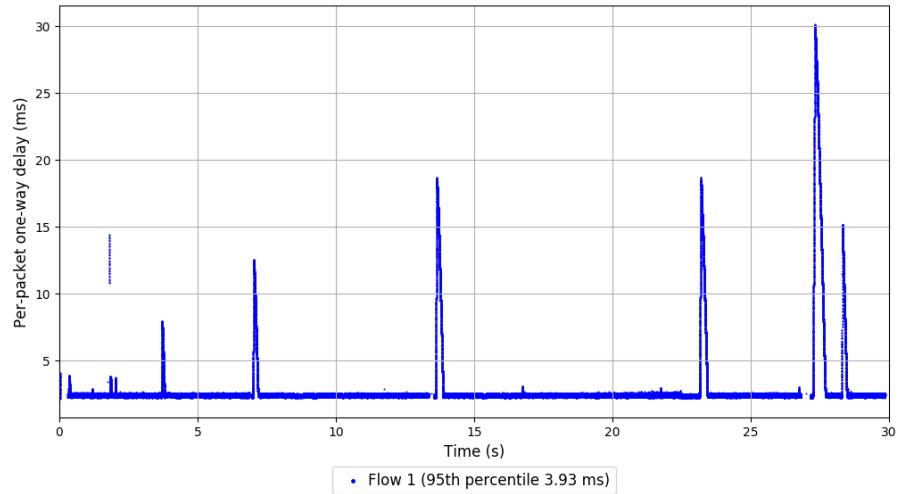
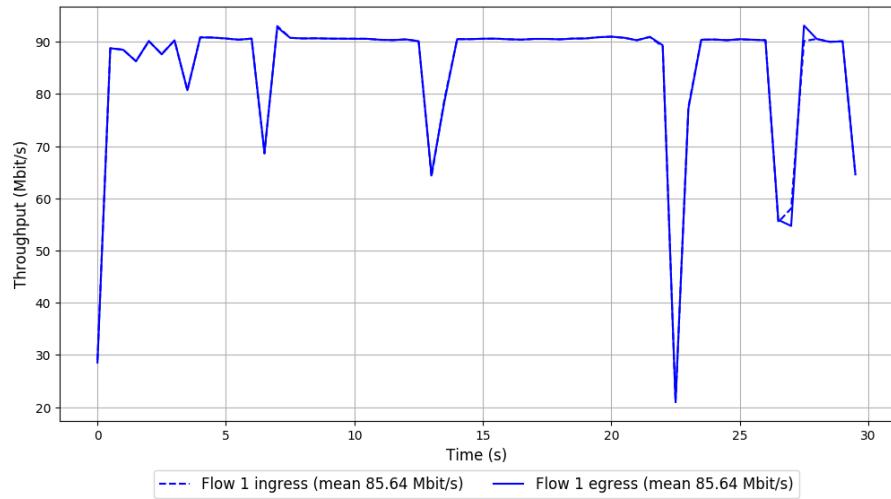


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-04-24 11:10:27
End at: 2018-04-24 11:10:57
Local clock offset: -7.101 ms
Remote clock offset: -6.727 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 3.930 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 3.930 ms
Loss rate: 0.01%
```

Run 10: Report of QUIC Cubic — Data Link

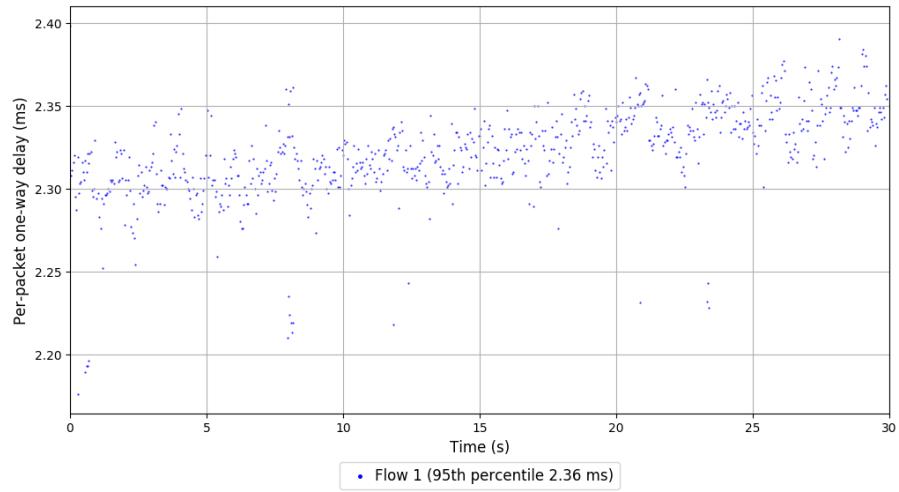
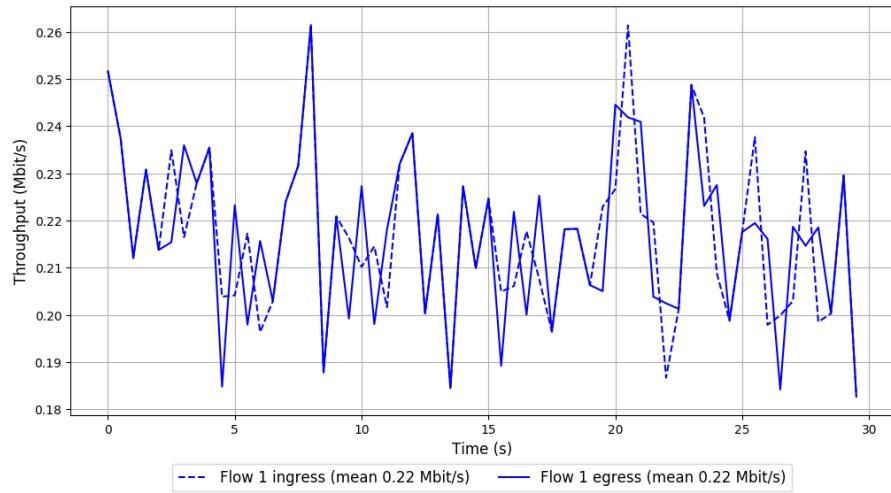


Run 1: Statistics of SCReAM

```
Start at: 2018-04-24 08:32:54
End at: 2018-04-24 08:33:25
Local clock offset: 5.296 ms
Remote clock offset: -6.67 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.360 ms
Loss rate: 0.00%
```

## Run 1: Report of SCReAM — Data Link

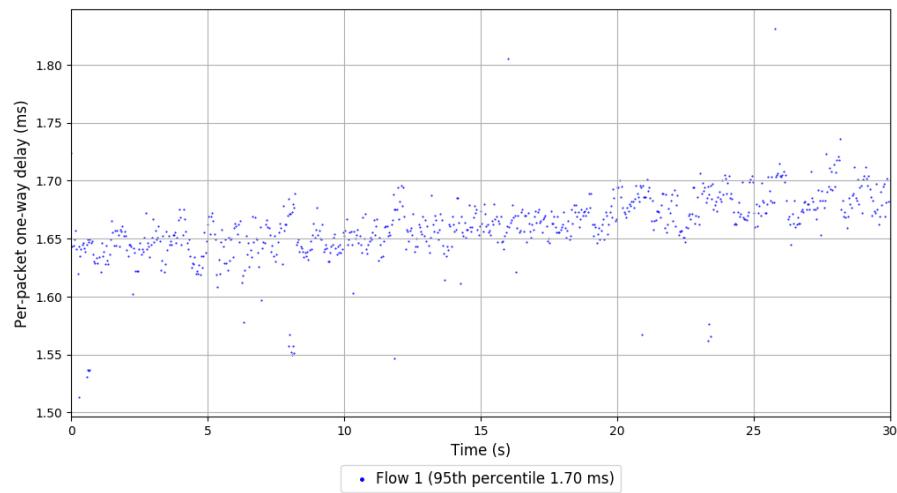
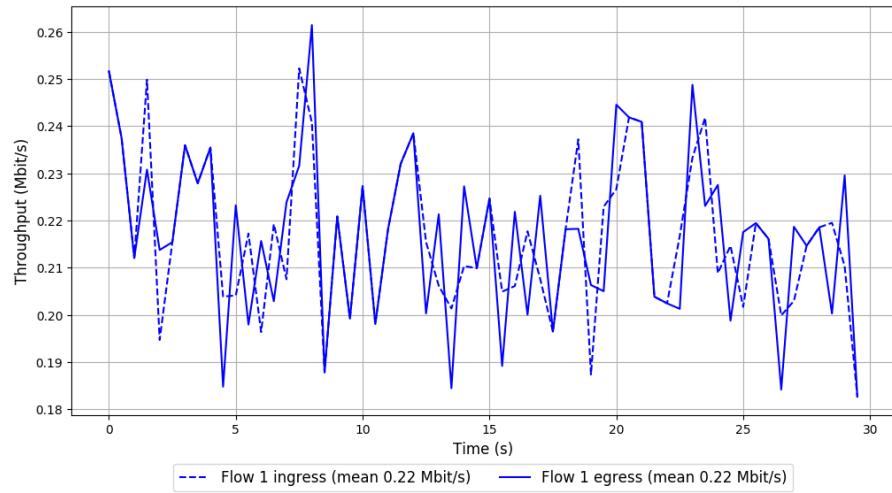


Run 2: Statistics of SCReAM

```
Start at: 2018-04-24 08:51:56
End at: 2018-04-24 08:52:27
Local clock offset: 8.165 ms
Remote clock offset: -6.589 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.701 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link

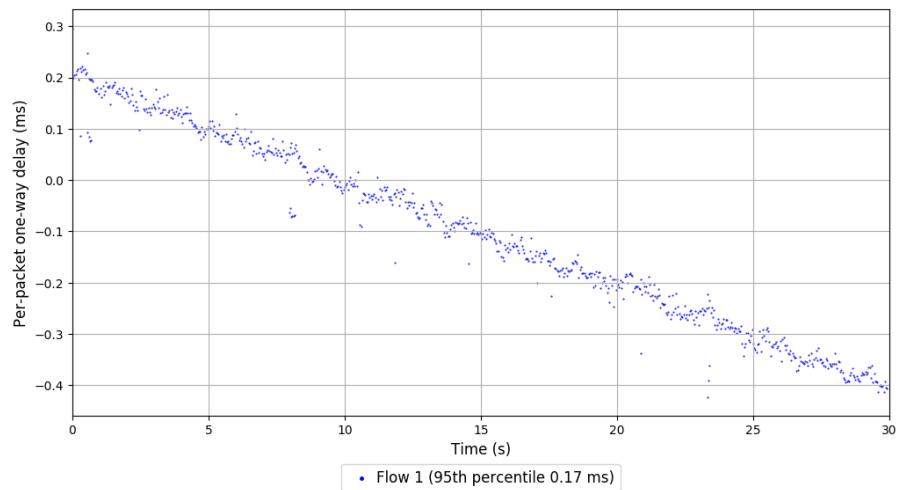
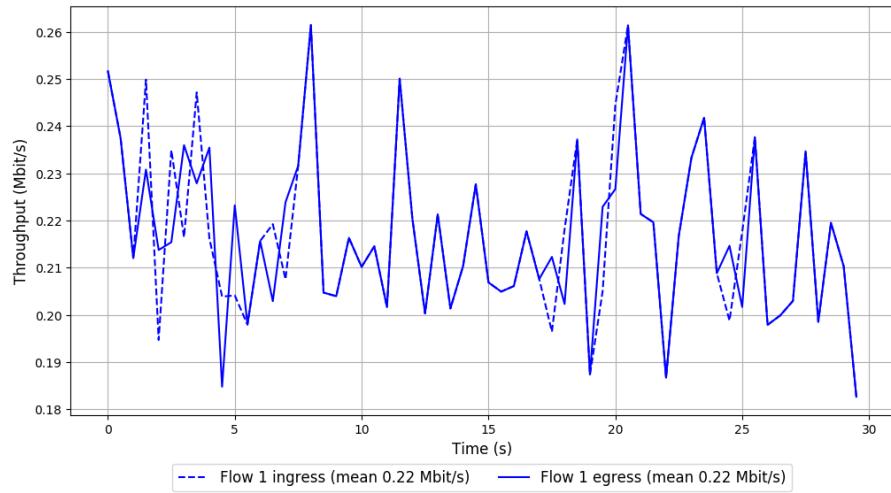


Run 3: Statistics of SCReAM

```
Start at: 2018-04-24 09:10:53
End at: 2018-04-24 09:11:23
Local clock offset: 2.368 ms
Remote clock offset: -6.611 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.174 ms
Loss rate: 0.00%
```

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

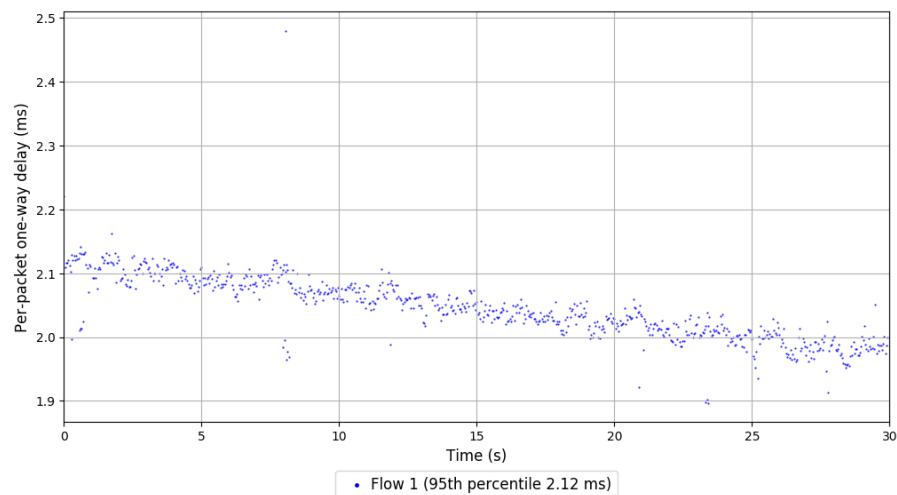
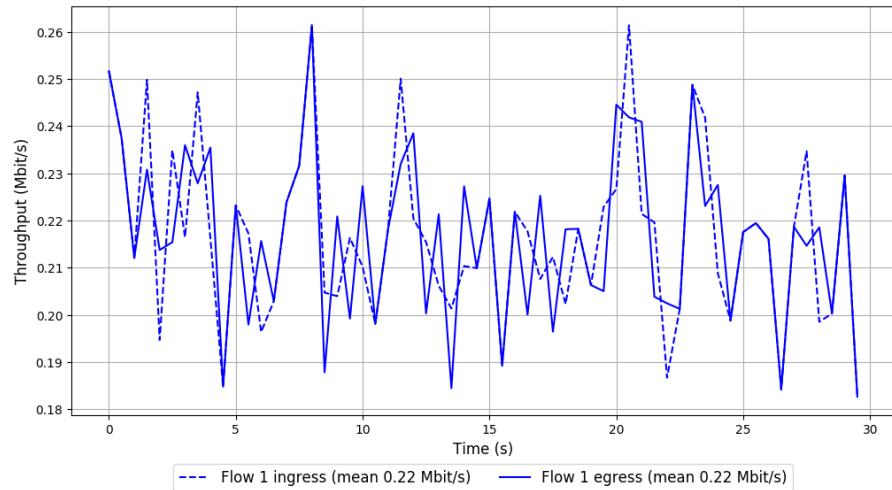


Run 4: Statistics of SCReAM

```
Start at: 2018-04-24 09:29:54
End at: 2018-04-24 09:30:24
Local clock offset: -9.531 ms
Remote clock offset: -6.707 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.117 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

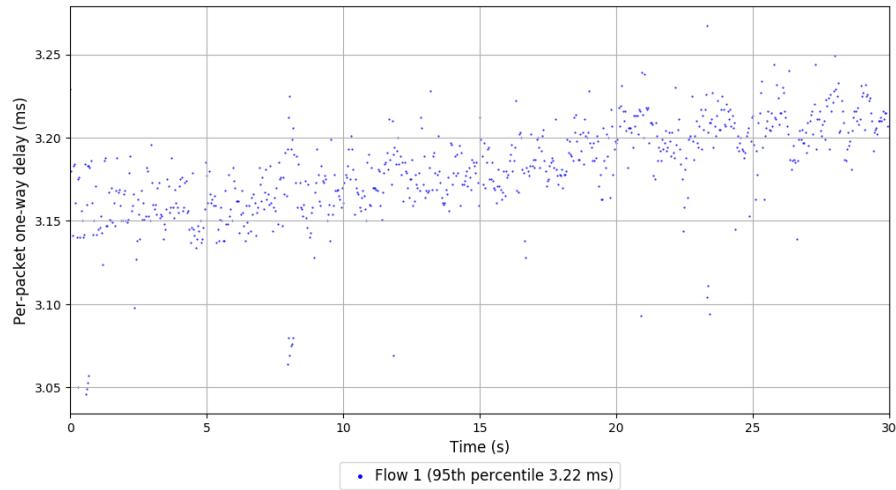
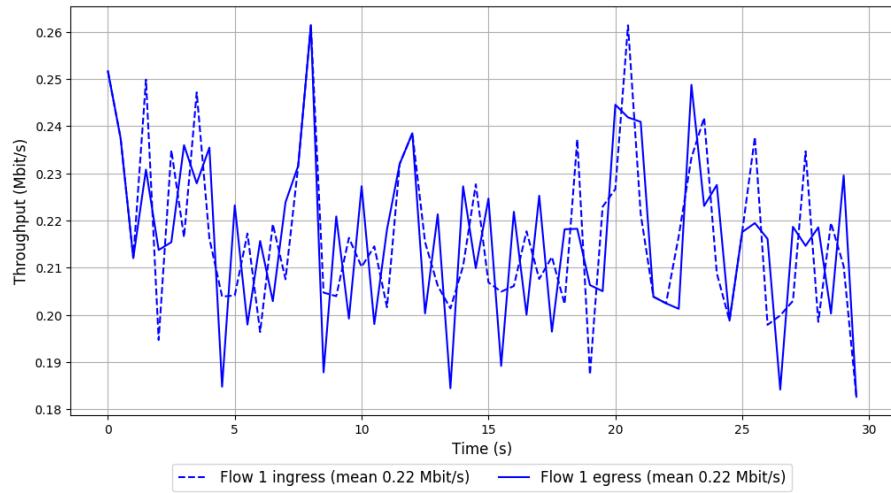


Run 5: Statistics of SCReAM

```
Start at: 2018-04-24 09:48:54
End at: 2018-04-24 09:49:24
Local clock offset: -10.532 ms
Remote clock offset: -6.689 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.222 ms
Loss rate: 0.00%
```

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

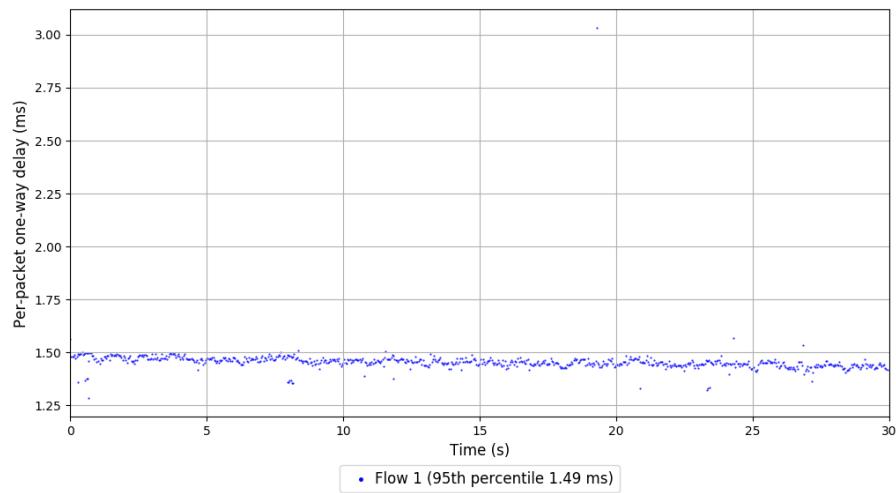
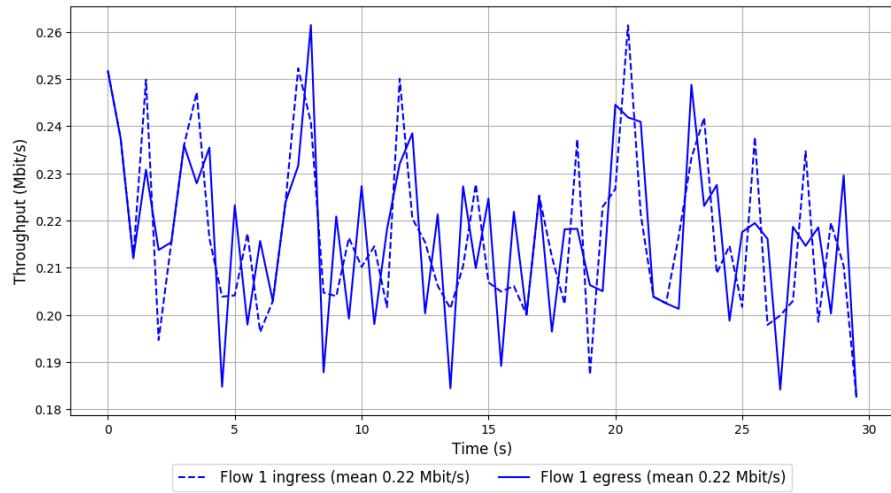


Run 6: Statistics of SCReAM

```
Start at: 2018-04-24 10:07:54
End at: 2018-04-24 10:08:24
Local clock offset: -10.481 ms
Remote clock offset: -6.779 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.488 ms
Loss rate: 0.00%
```

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

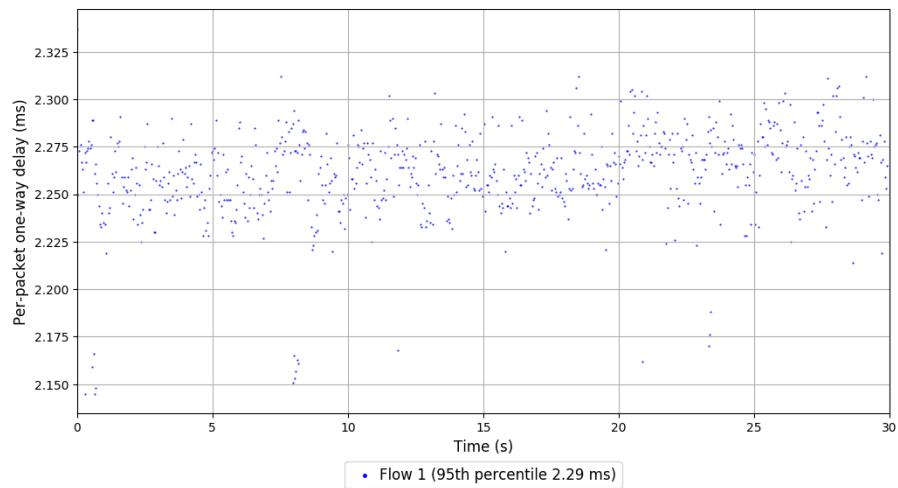
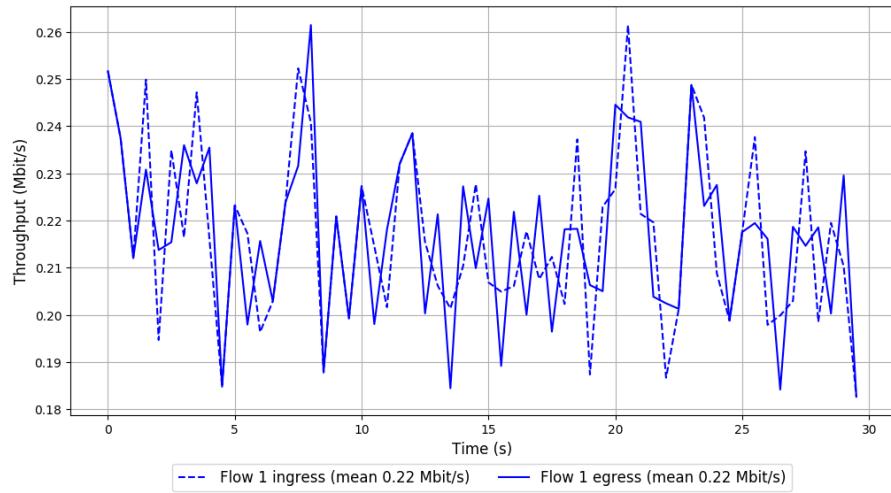


Run 7: Statistics of SCReAM

```
Start at: 2018-04-24 10:26:50
End at: 2018-04-24 10:27:21
Local clock offset: -8.262 ms
Remote clock offset: -6.776 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
```

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

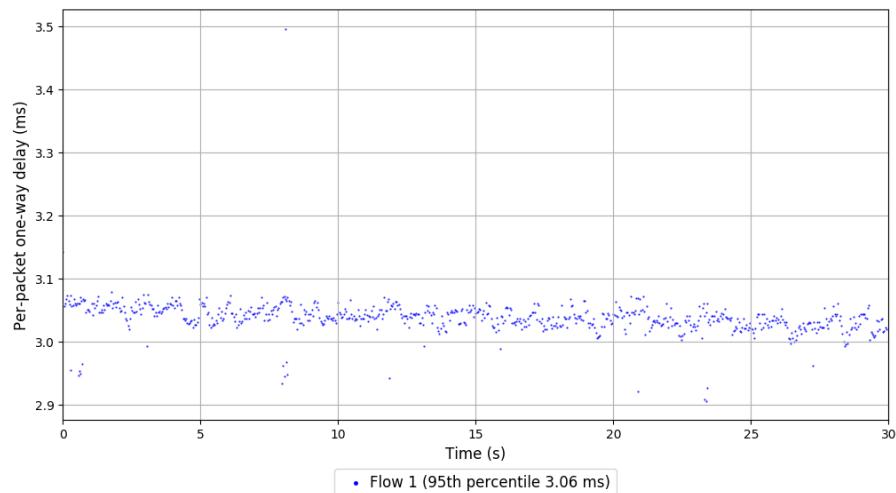
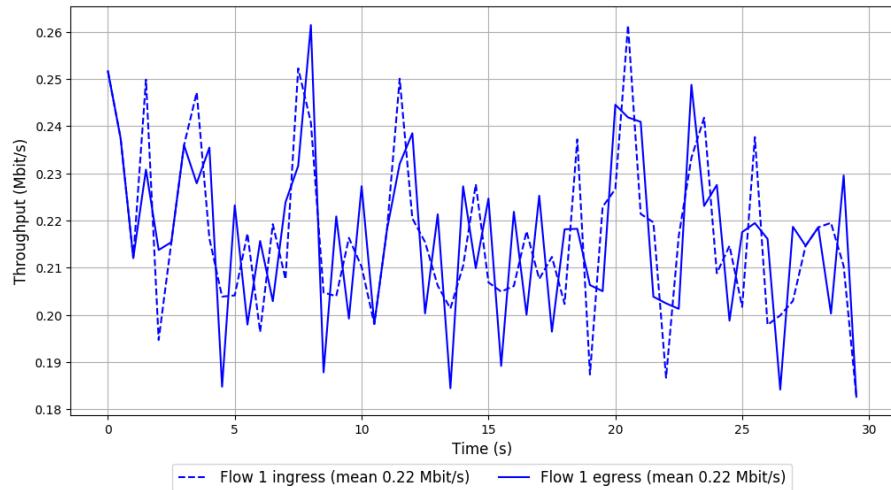


Run 8: Statistics of SCReAM

```
Start at: 2018-04-24 10:45:52
End at: 2018-04-24 10:46:22
Local clock offset: -9.207 ms
Remote clock offset: -6.675 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.065 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

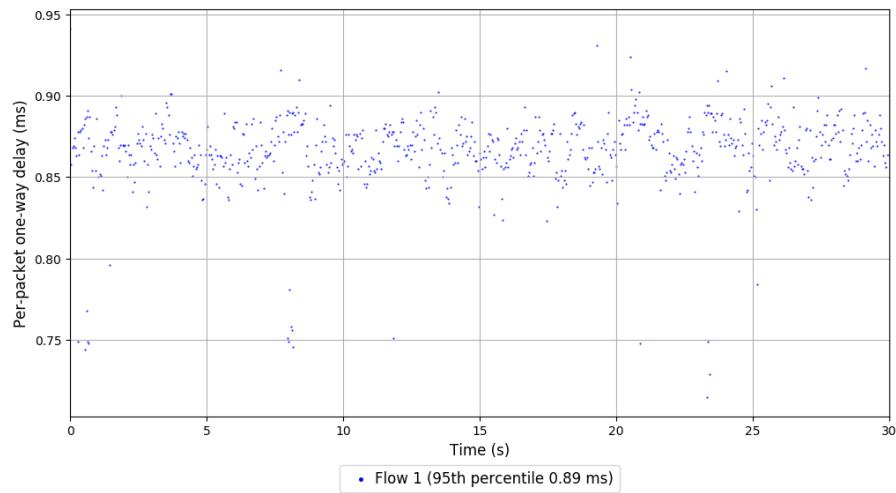
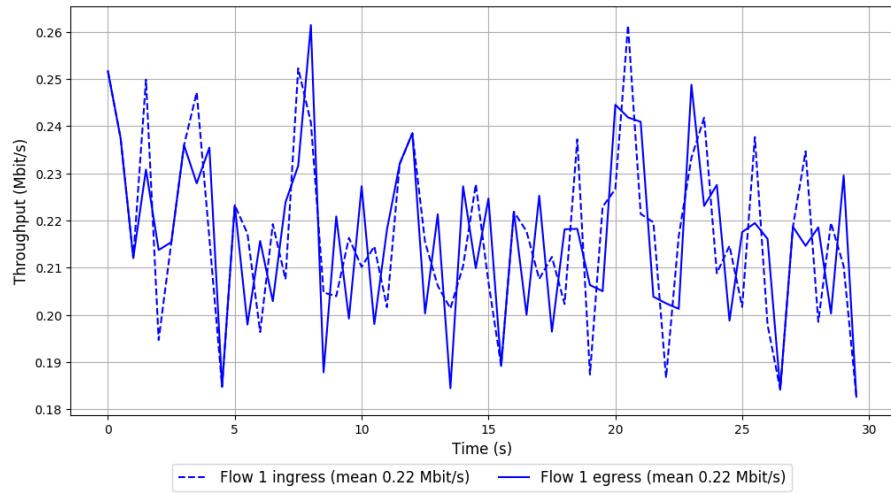


Run 9: Statistics of SCReAM

```
Start at: 2018-04-24 11:04:53
End at: 2018-04-24 11:05:23
Local clock offset: -7.176 ms
Remote clock offset: -6.63 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.891 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

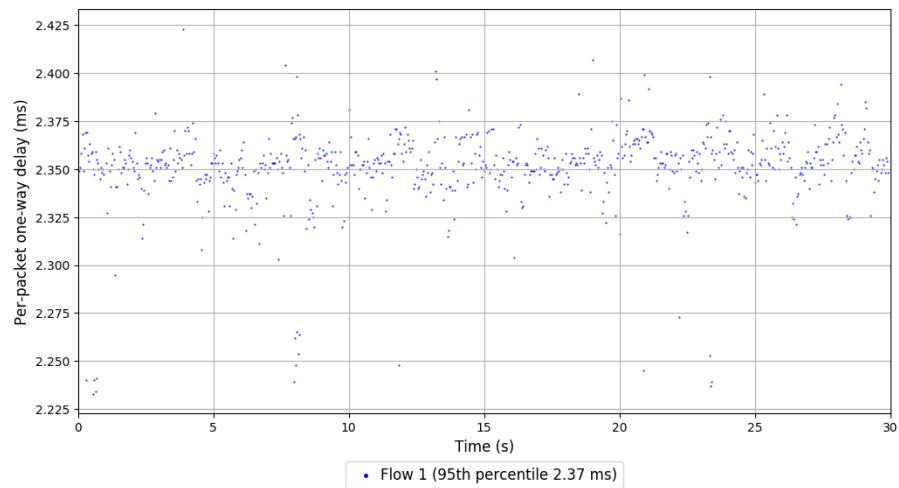
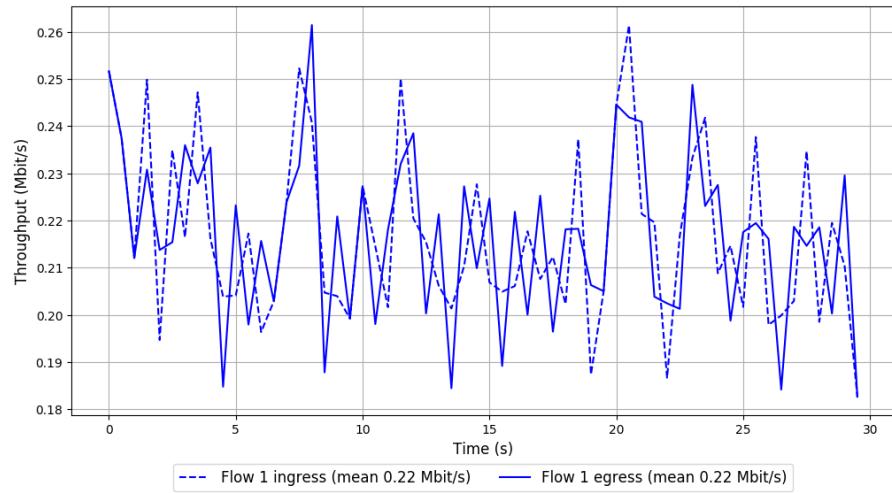


Run 10: Statistics of SCReAM

```
Start at: 2018-04-24 11:23:55
End at: 2018-04-24 11:24:25
Local clock offset: -7.11 ms
Remote clock offset: -6.731 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

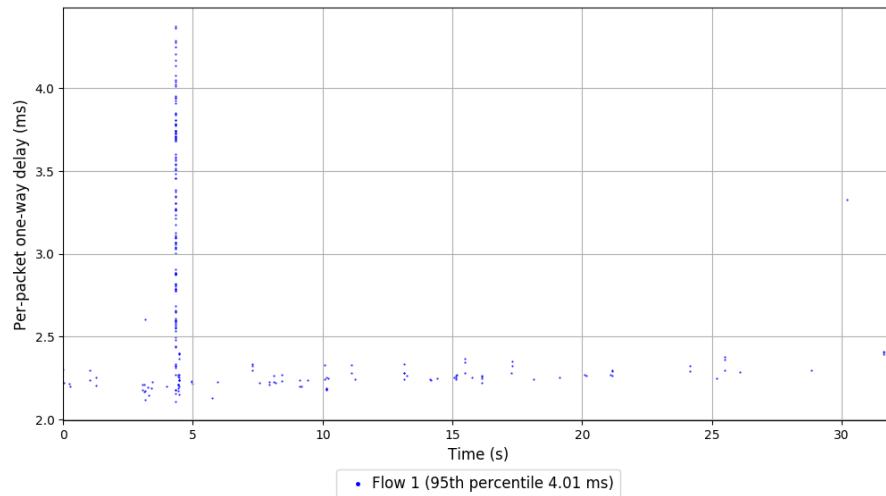
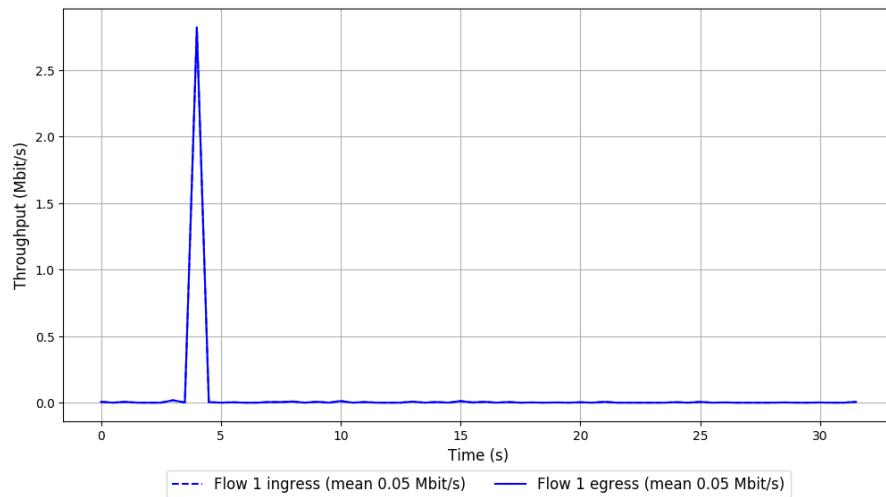


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 08:18:26
End at: 2018-04-24 08:18:56
Local clock offset: 3.061 ms
Remote clock offset: -6.834 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.009 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

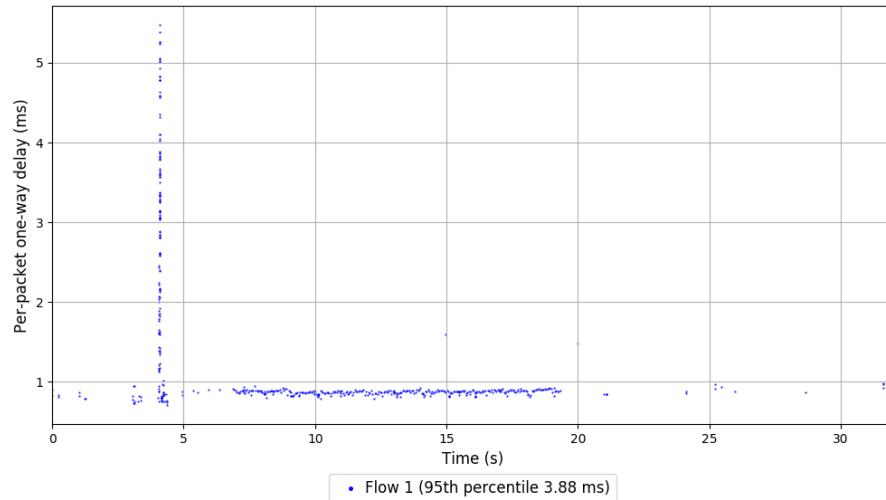
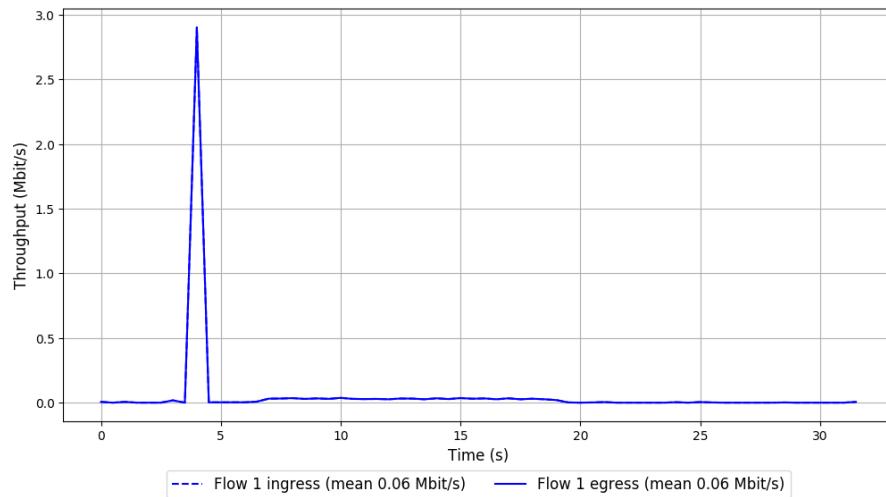


Run 2: Statistics of WebRTC media

```
Start at: 2018-04-24 08:37:23
End at: 2018-04-24 08:37:53
Local clock offset: 5.806 ms
Remote clock offset: -6.586 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.879 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

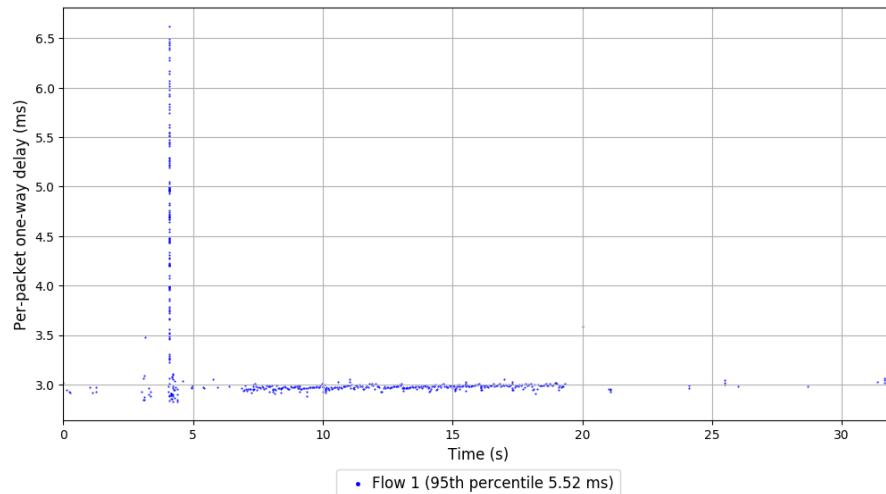
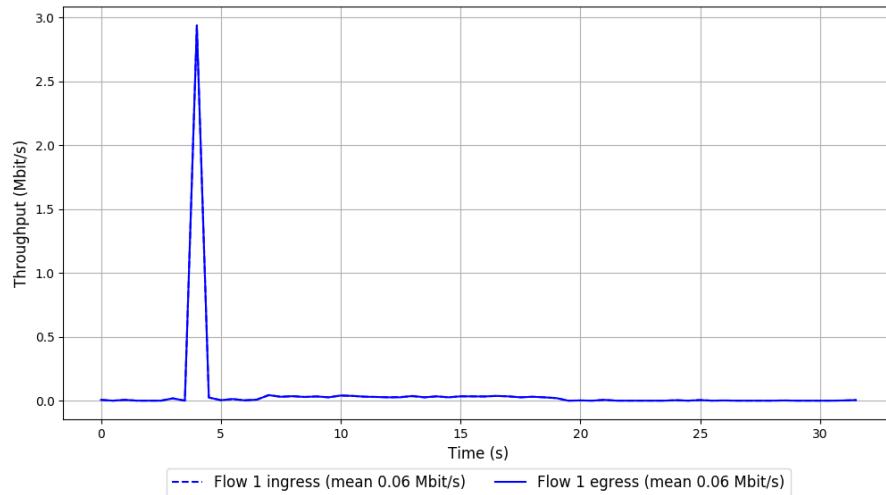


Run 3: Statistics of WebRTC media

```
Start at: 2018-04-24 08:56:27
End at: 2018-04-24 08:56:57
Local clock offset: 7.204 ms
Remote clock offset: -6.648 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 5.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 5.518 ms
Loss rate: 0.00%
```

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

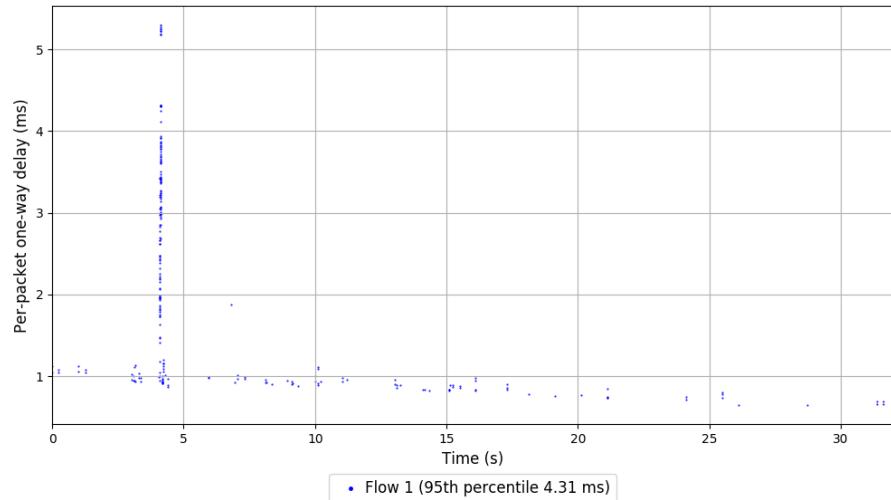
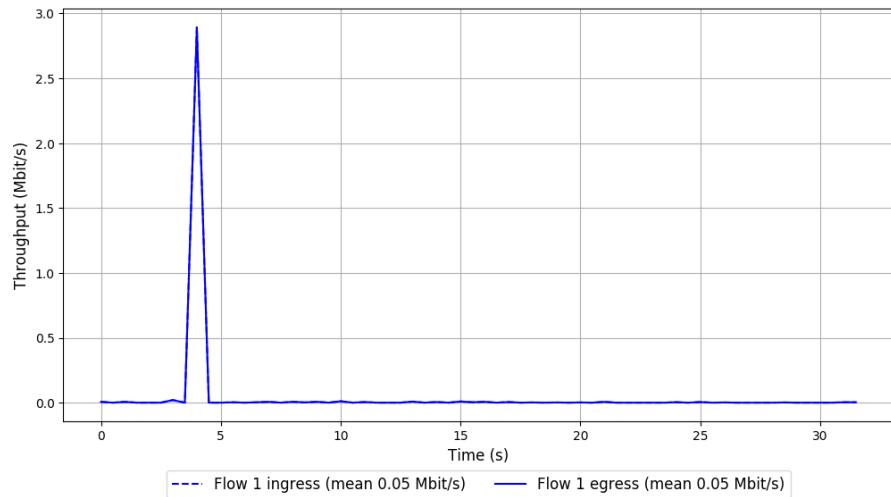


Run 4: Statistics of WebRTC media

```
Start at: 2018-04-24 09:15:22
End at: 2018-04-24 09:15:52
Local clock offset: -3.041 ms
Remote clock offset: -6.69 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.313 ms
Loss rate: 0.00%
```

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

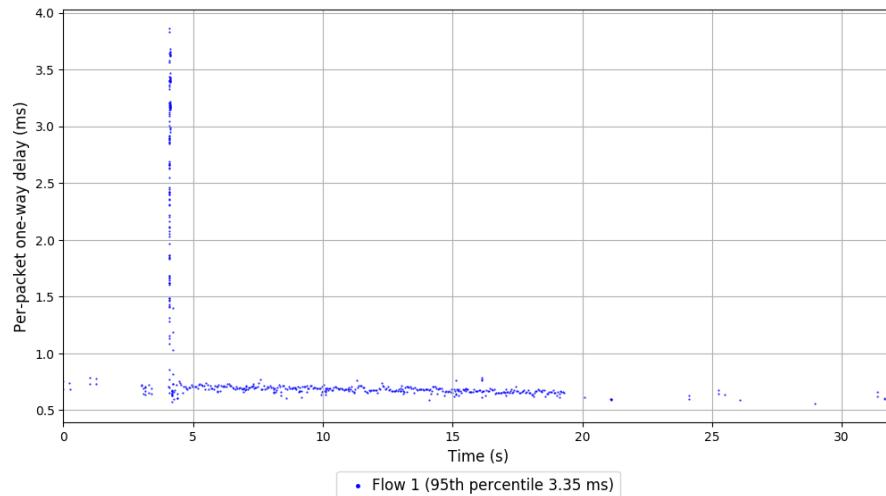
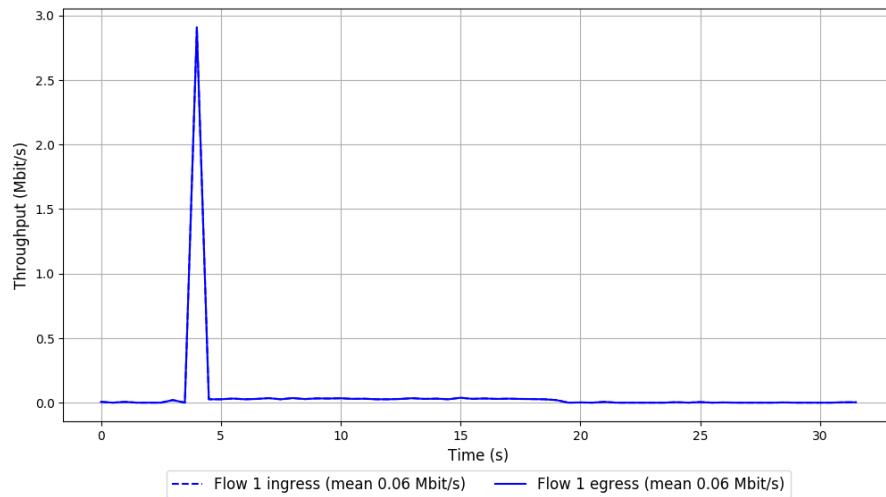


Run 5: Statistics of WebRTC media

```
Start at: 2018-04-24 09:34:25
End at: 2018-04-24 09:34:55
Local clock offset: -10.85 ms
Remote clock offset: -6.689 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.354 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

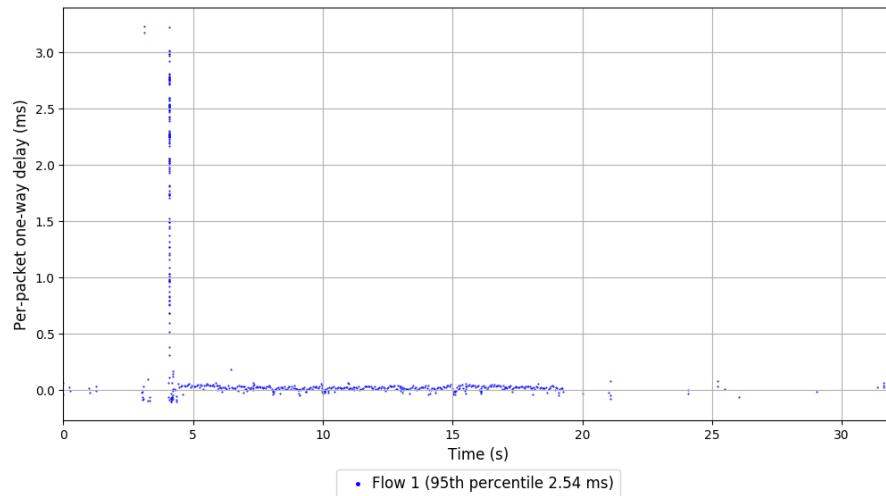
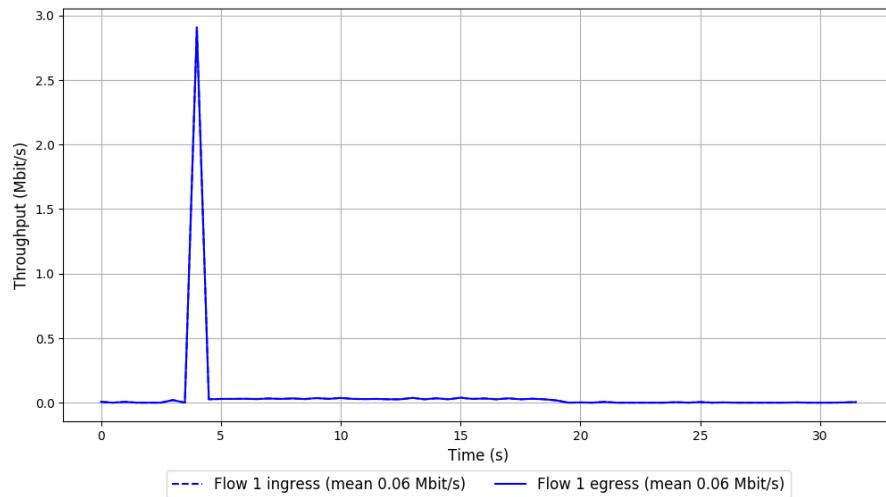


Run 6: Statistics of WebRTC media

```
Start at: 2018-04-24 09:53:23
End at: 2018-04-24 09:53:53
Local clock offset: -8.593 ms
Remote clock offset: -6.693 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.535 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

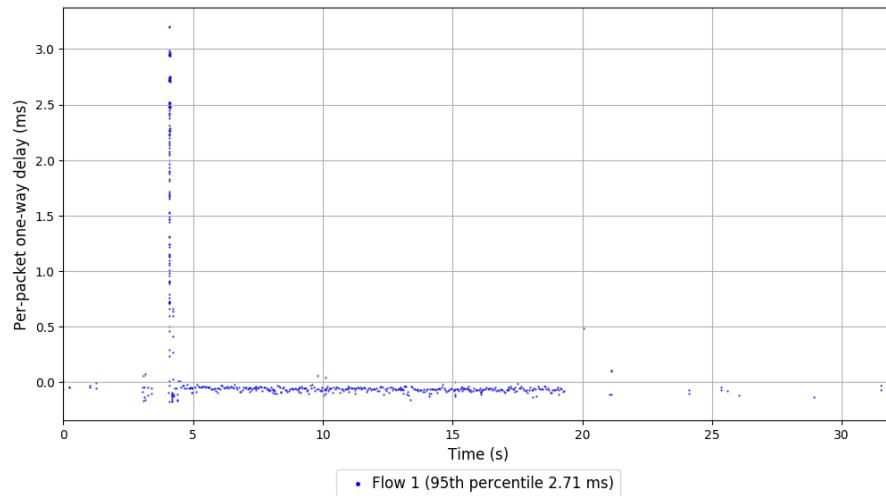
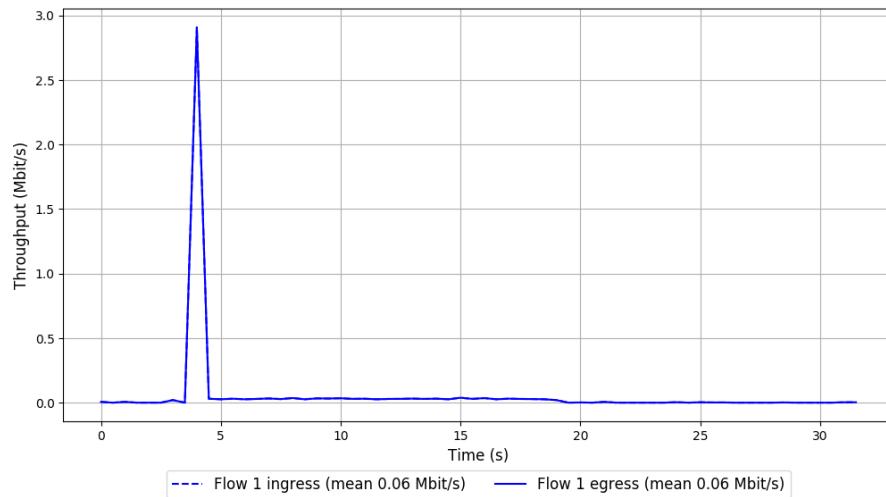


Run 7: Statistics of WebRTC media

```
Start at: 2018-04-24 10:12:25
End at: 2018-04-24 10:12:55
Local clock offset: -9.362 ms
Remote clock offset: -6.694 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.709 ms
Loss rate: 0.00%
```

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

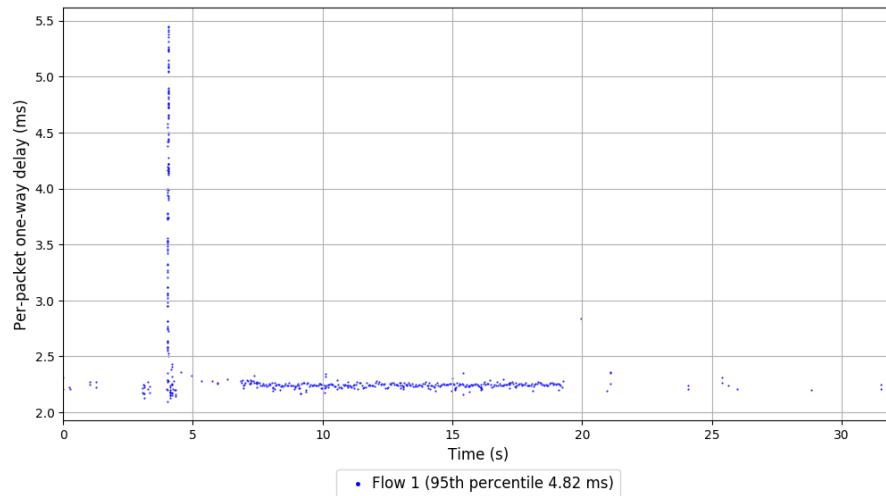
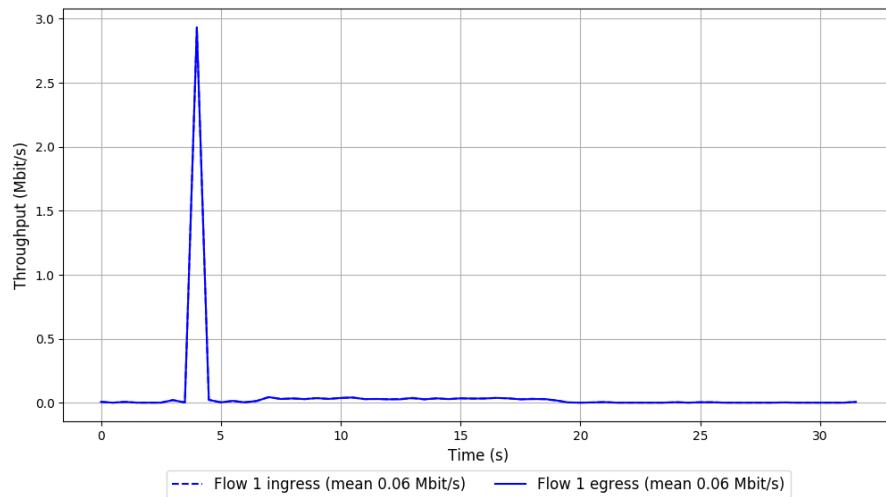


Run 8: Statistics of WebRTC media

```
Start at: 2018-04-24 10:31:19
End at: 2018-04-24 10:31:49
Local clock offset: -8.114 ms
Remote clock offset: -6.717 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.815 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

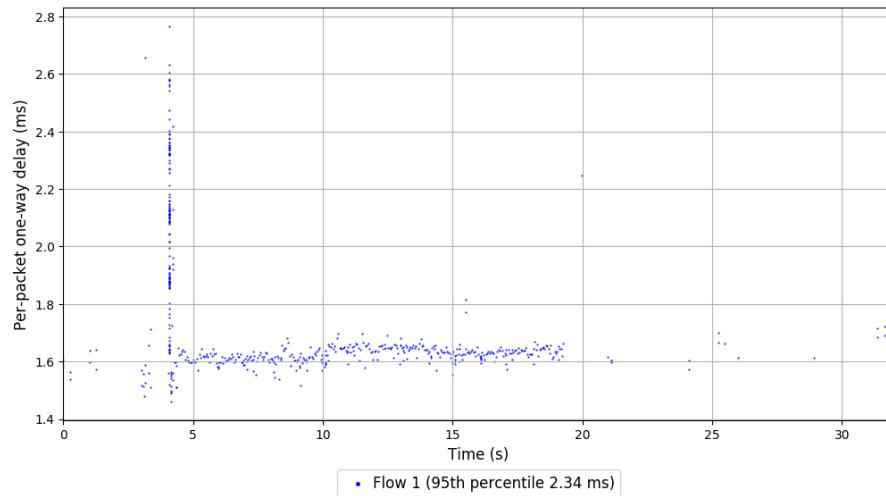
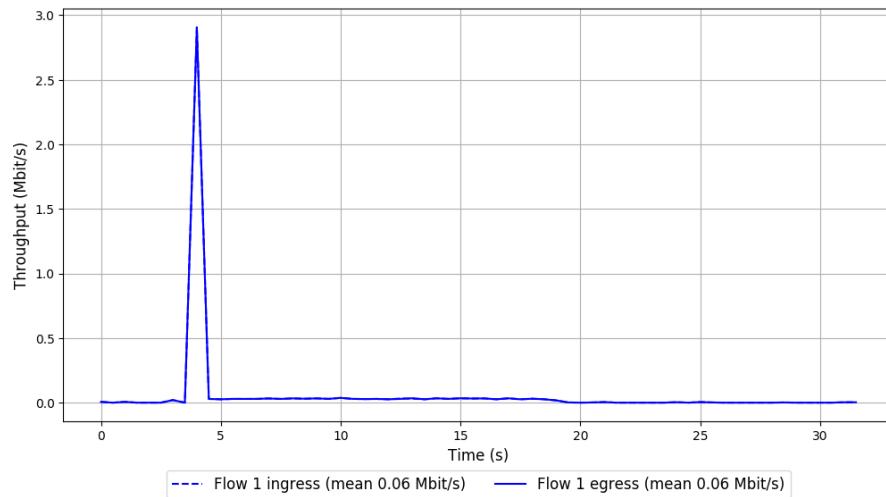


Run 9: Statistics of WebRTC media

```
Start at: 2018-04-24 10:50:21
End at: 2018-04-24 10:50:51
Local clock offset: -9.137 ms
Remote clock offset: -6.623 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

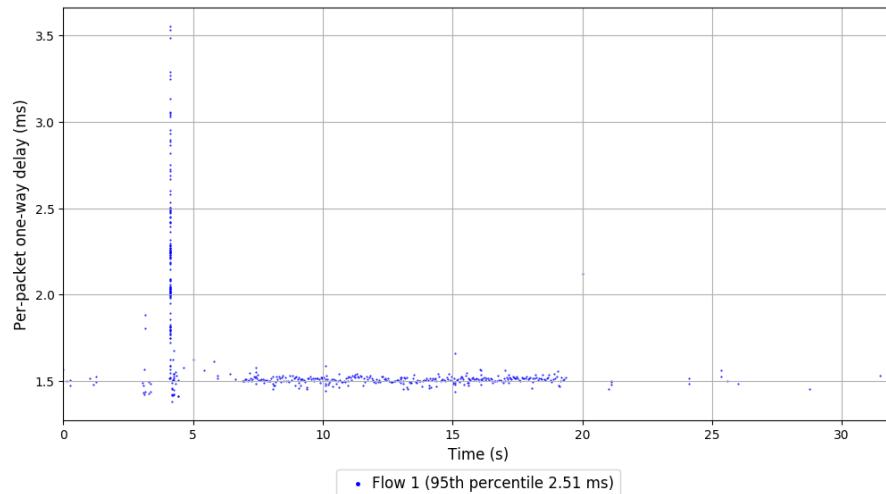
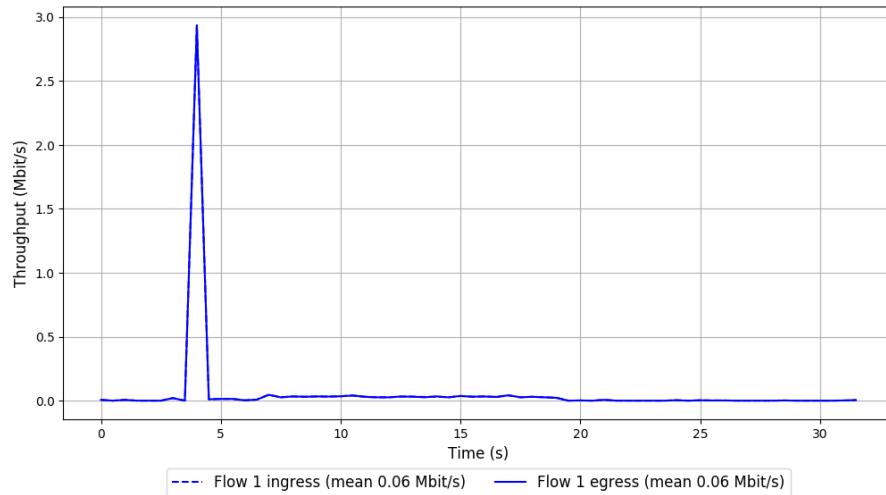


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-04-24 11:09:23
End at: 2018-04-24 11:09:53
Local clock offset: -6.357 ms
Remote clock offset: -6.655 ms

# Below is generated by plot.py at 2018-04-24 12:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.506 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

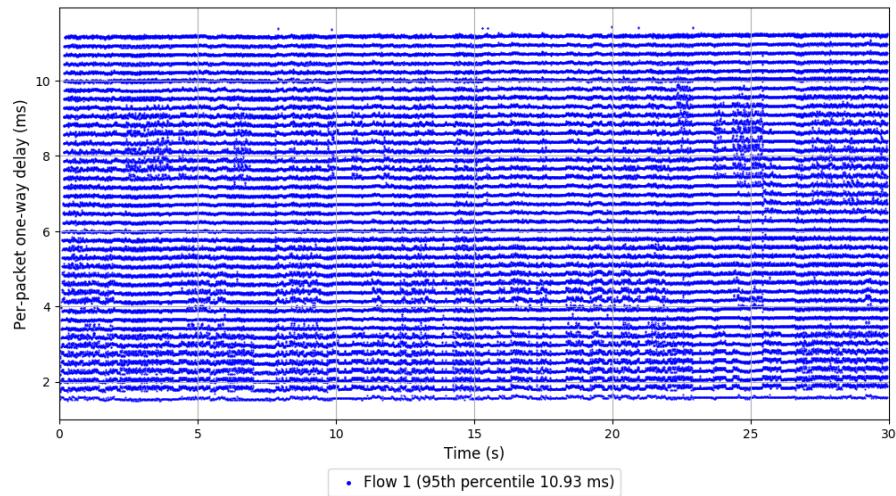
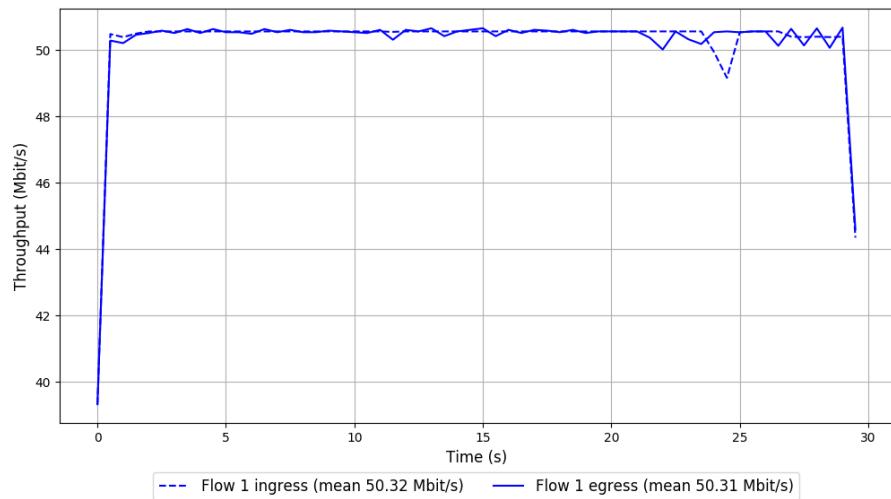


Run 1: Statistics of Sprout

```
Start at: 2018-04-24 08:29:31
End at: 2018-04-24 08:30:01
Local clock offset: 5.6 ms
Remote clock offset: -6.701 ms

# Below is generated by plot.py at 2018-04-24 12:02:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 10.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 10.930 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

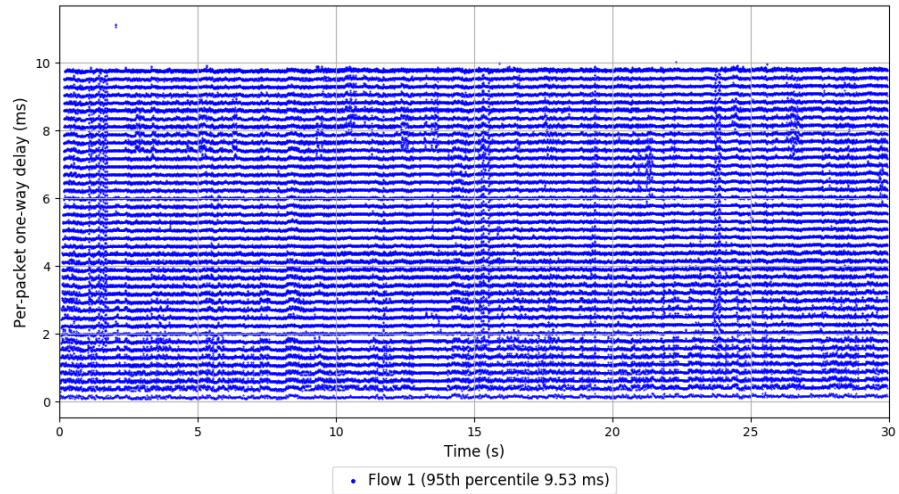
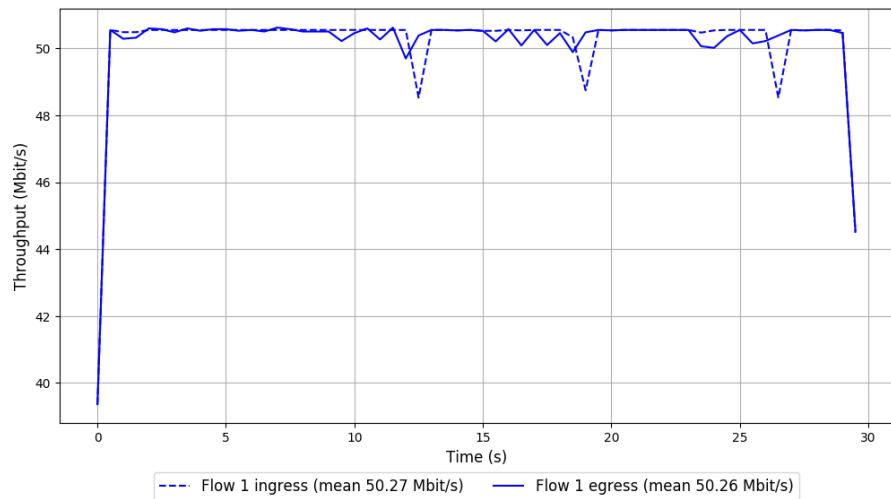


Run 2: Statistics of Sprout

```
Start at: 2018-04-24 08:48:33
End at: 2018-04-24 08:49:03
Local clock offset: 7.816 ms
Remote clock offset: -6.587 ms

# Below is generated by plot.py at 2018-04-24 12:02:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 9.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 9.529 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

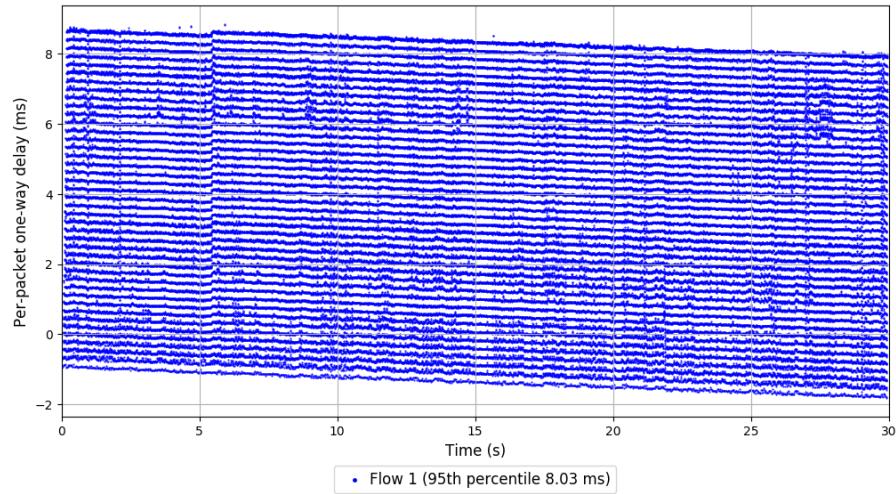
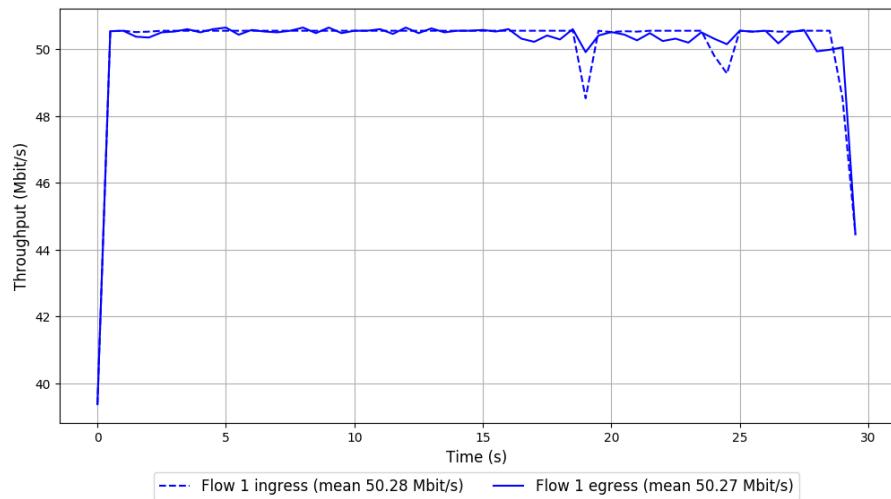


Run 3: Statistics of Sprout

```
Start at: 2018-04-24 09:07:30
End at: 2018-04-24 09:08:00
Local clock offset: 8.574 ms
Remote clock offset: -6.599 ms

# Below is generated by plot.py at 2018-04-24 12:02:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 8.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 8.033 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

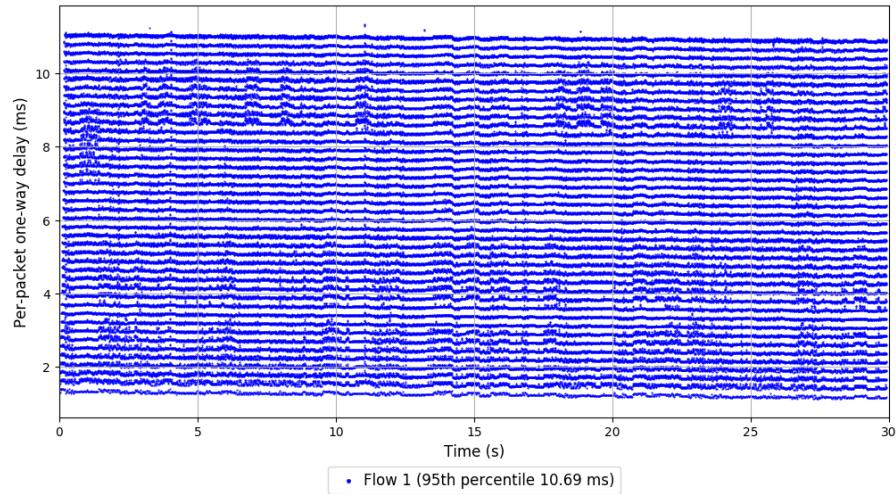
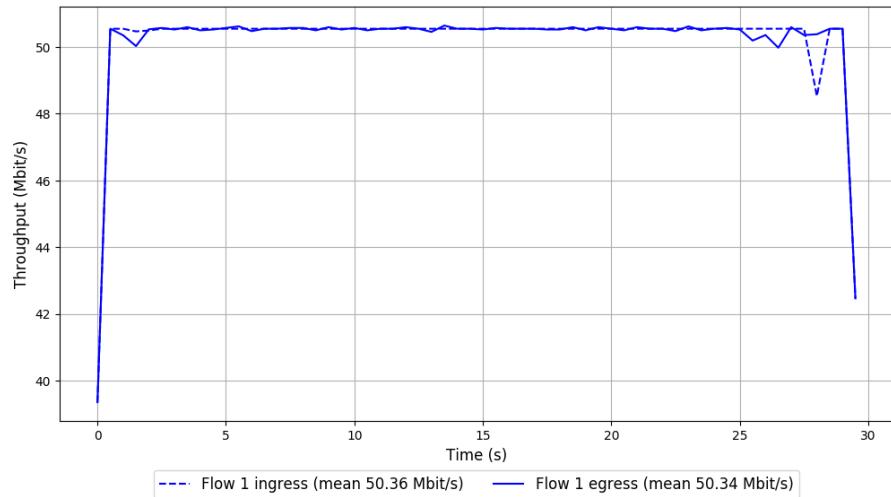


Run 4: Statistics of Sprout

```
Start at: 2018-04-24 09:26:31
End at: 2018-04-24 09:27:01
Local clock offset: -9.218 ms
Remote clock offset: -6.705 ms

# Below is generated by plot.py at 2018-04-24 12:02:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.689 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

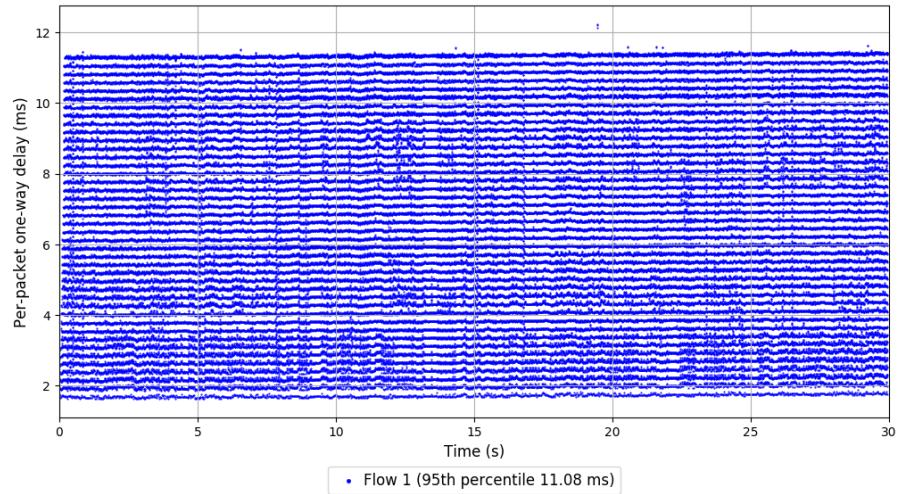
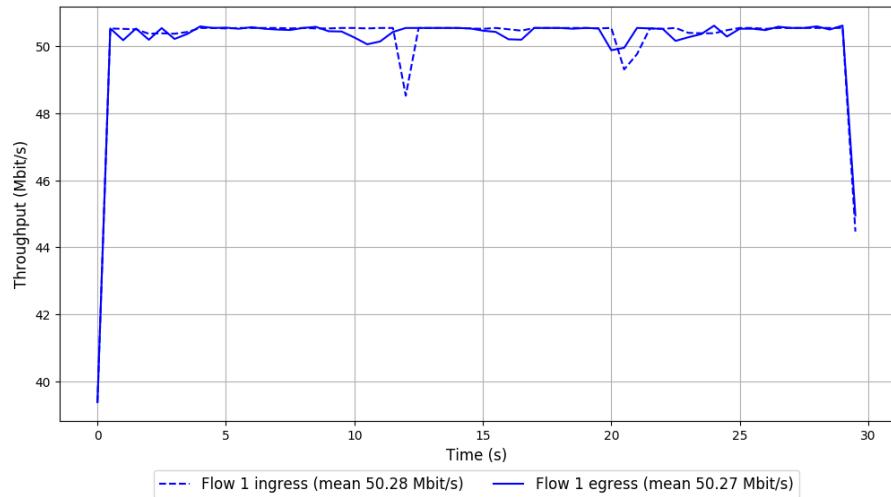


Run 5: Statistics of Sprout

```
Start at: 2018-04-24 09:45:30
End at: 2018-04-24 09:46:00
Local clock offset: -9.757 ms
Remote clock offset: -6.746 ms

# Below is generated by plot.py at 2018-04-24 12:02:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 11.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 11.084 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

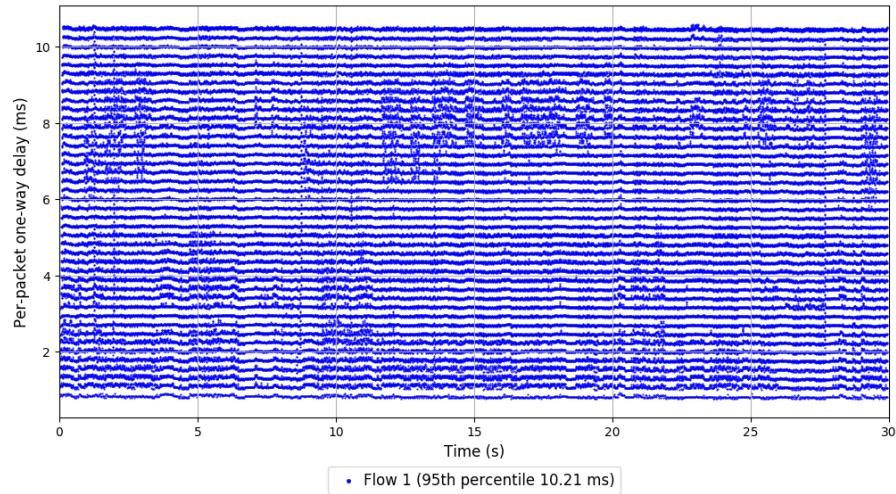
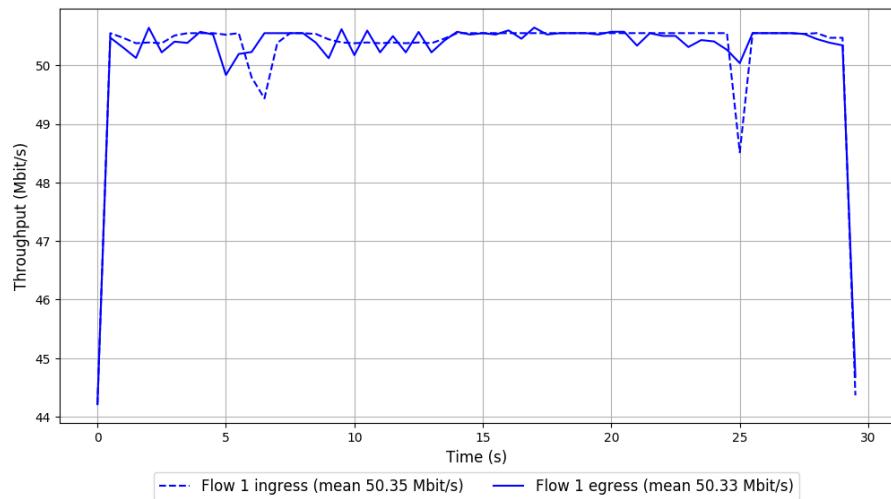


Run 6: Statistics of Sprout

```
Start at: 2018-04-24 10:04:31
End at: 2018-04-24 10:05:01
Local clock offset: -9.54 ms
Remote clock offset: -6.703 ms

# Below is generated by plot.py at 2018-04-24 12:02:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 10.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 10.207 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

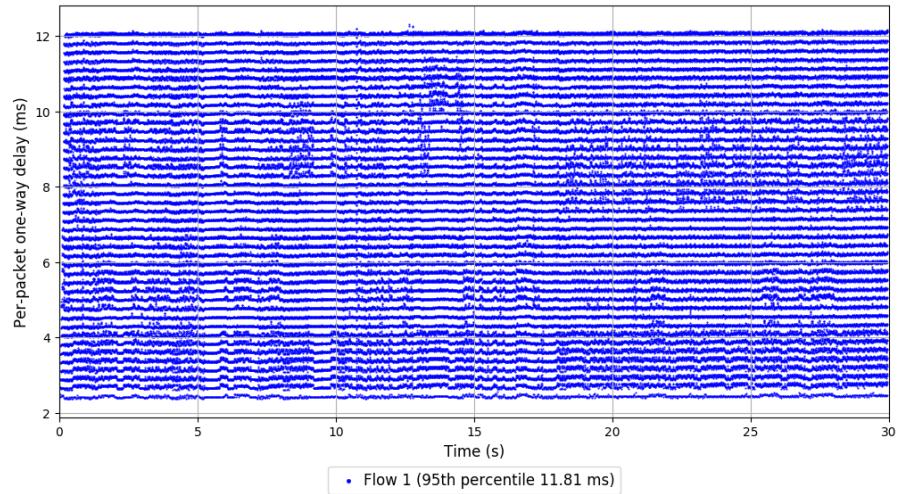
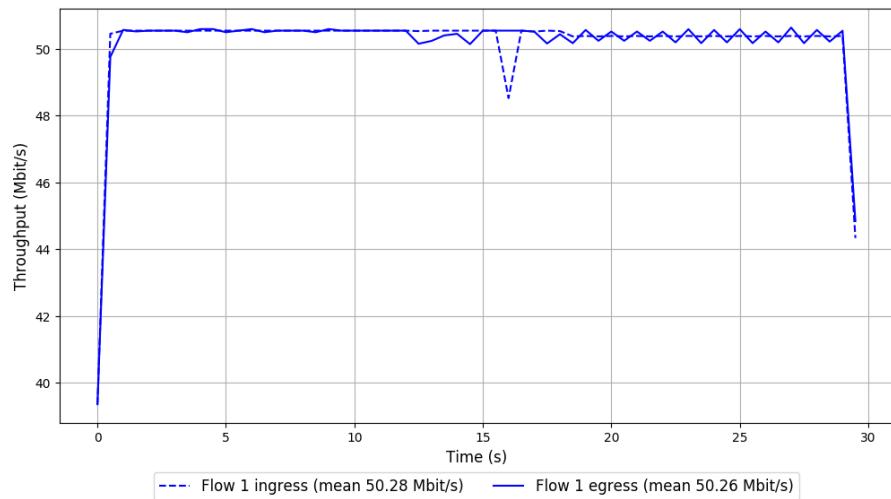


Run 7: Statistics of Sprout

```
Start at: 2018-04-24 10:23:27
End at: 2018-04-24 10:23:57
Local clock offset: -8.618 ms
Remote clock offset: -6.713 ms

# Below is generated by plot.py at 2018-04-24 12:02:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 11.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 11.808 ms
Loss rate: 0.00%
```

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

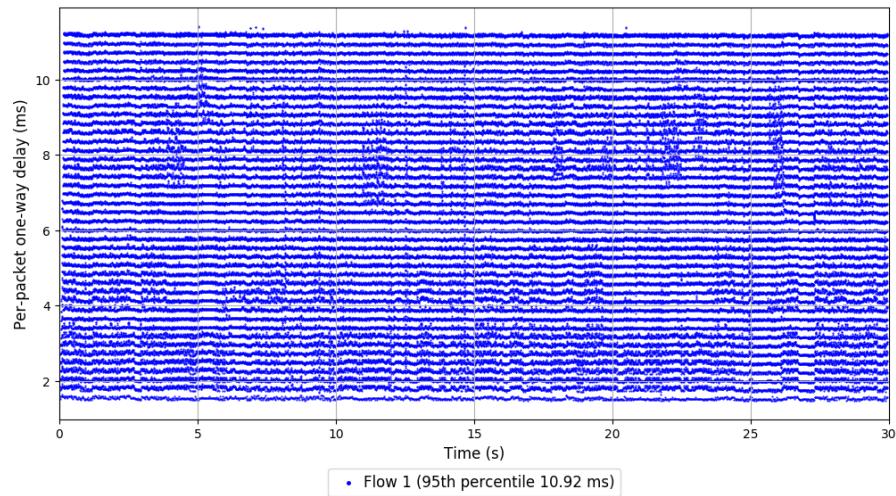
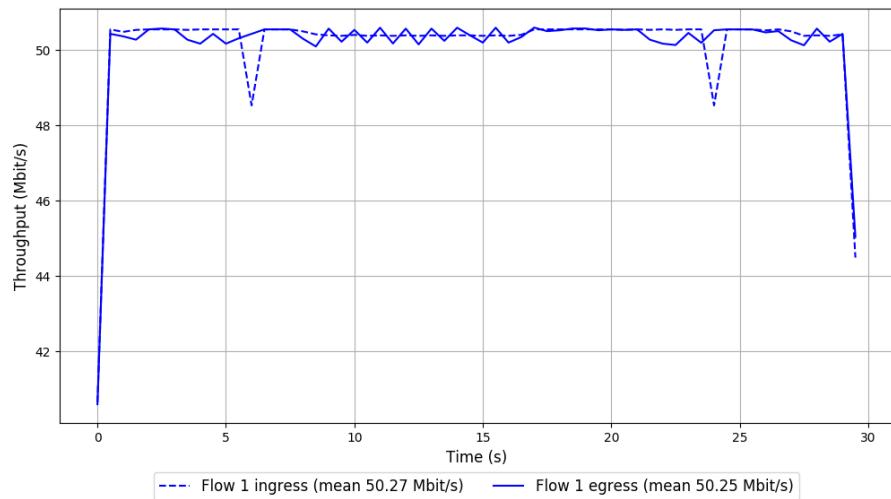


Run 8: Statistics of Sprout

```
Start at: 2018-04-24 10:42:28
End at: 2018-04-24 10:42:58
Local clock offset: -7.526 ms
Remote clock offset: -6.652 ms

# Below is generated by plot.py at 2018-04-24 12:02:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 10.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 10.918 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

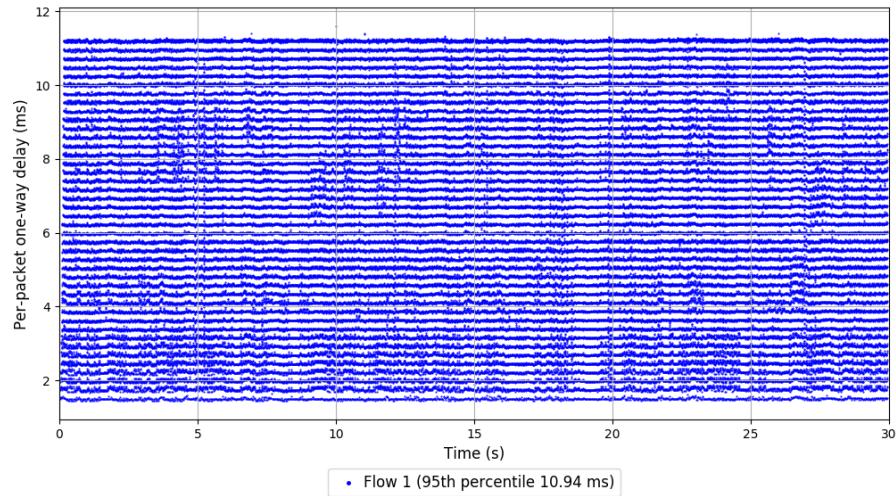
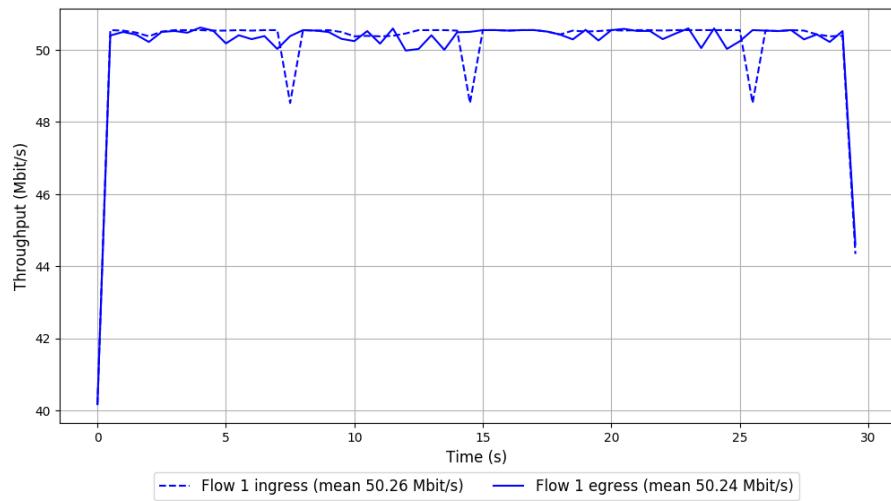


Run 9: Statistics of Sprout

```
Start at: 2018-04-24 11:01:29
End at: 2018-04-24 11:01:59
Local clock offset: -6.527 ms
Remote clock offset: -6.681 ms

# Below is generated by plot.py at 2018-04-24 12:02:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 10.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 10.939 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

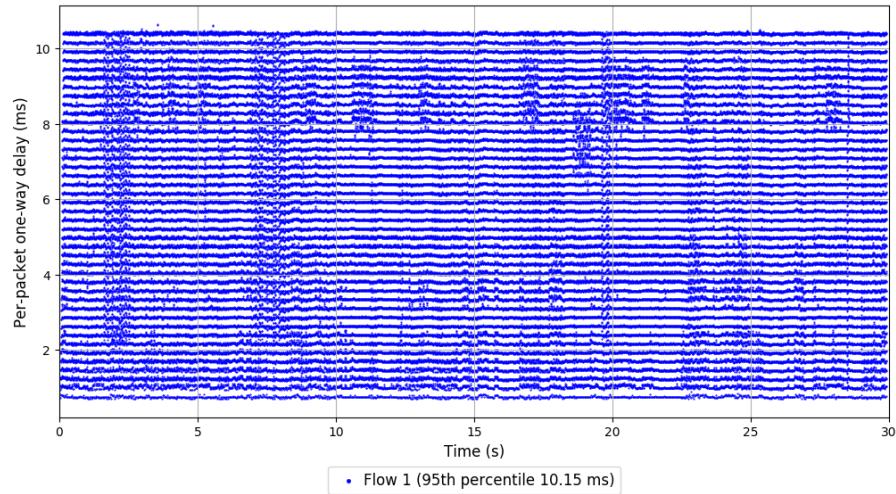
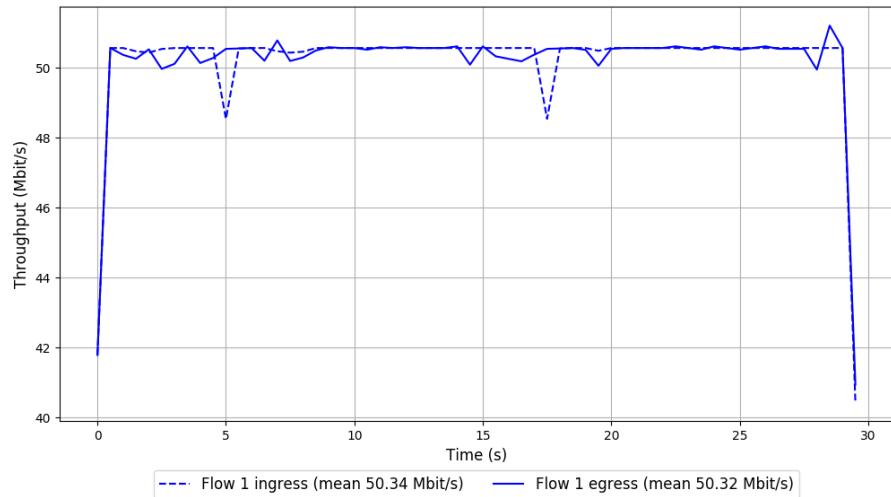


Run 10: Statistics of Sprout

```
Start at: 2018-04-24 11:20:32
End at: 2018-04-24 11:21:02
Local clock offset: -7.069 ms
Remote clock offset: -6.775 ms

# Below is generated by plot.py at 2018-04-24 12:02:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 10.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 10.147 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

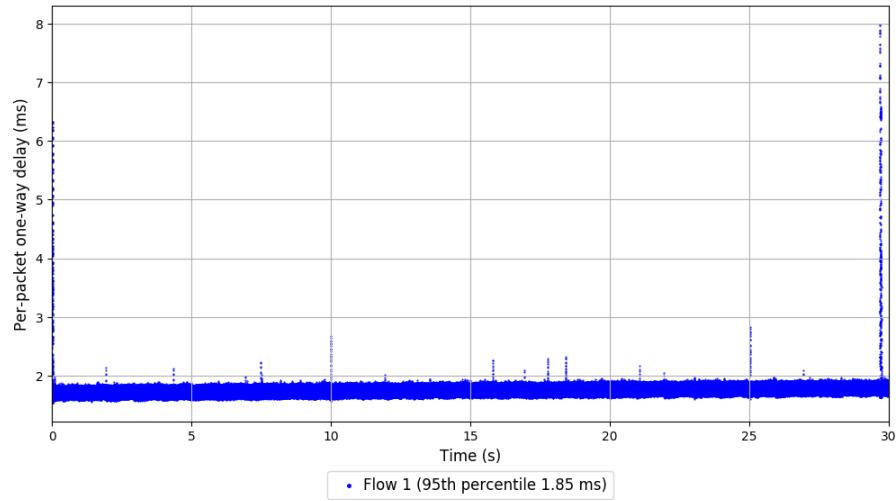
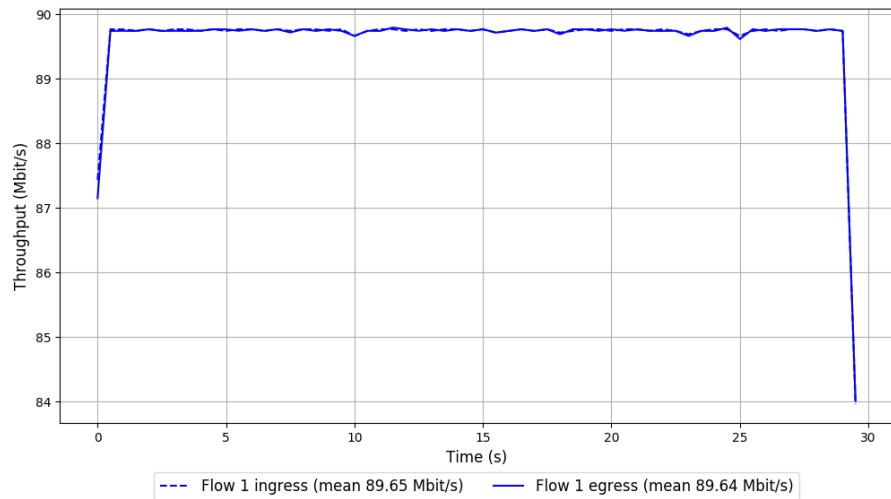


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-04-24 08:21:37
End at: 2018-04-24 08:22:07
Local clock offset: 4.377 ms
Remote clock offset: -6.856 ms

# Below is generated by plot.py at 2018-04-24 12:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 1.853 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 1.853 ms
Loss rate: 0.01%
```

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

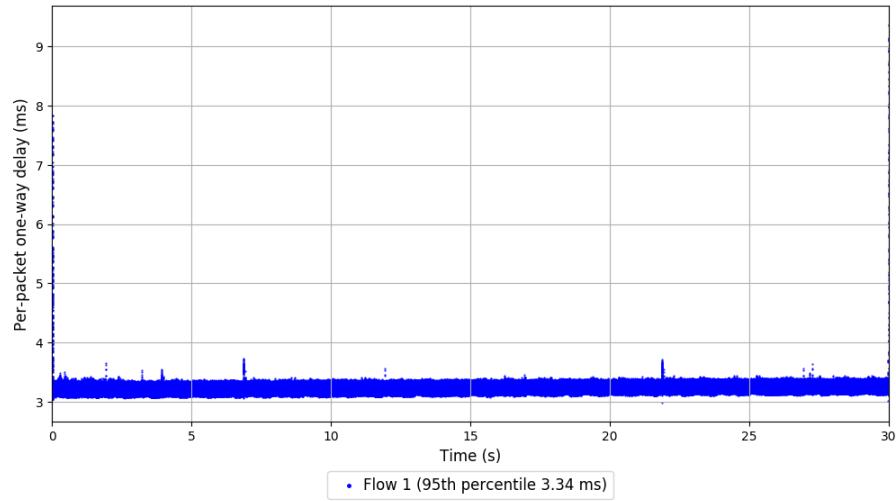
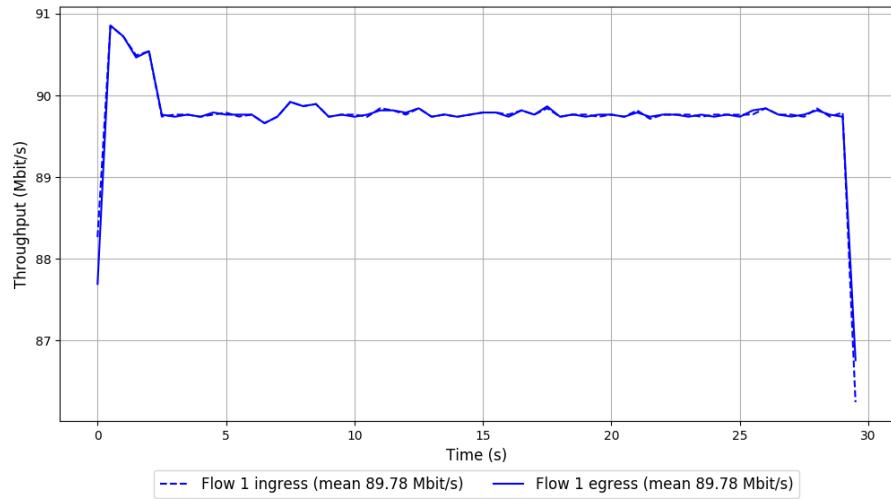


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-04-24 08:40:38
End at: 2018-04-24 08:41:08
Local clock offset: 5.448 ms
Remote clock offset: -6.596 ms

# Below is generated by plot.py at 2018-04-24 12:04:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 3.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 3.336 ms
Loss rate: 0.00%
```

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

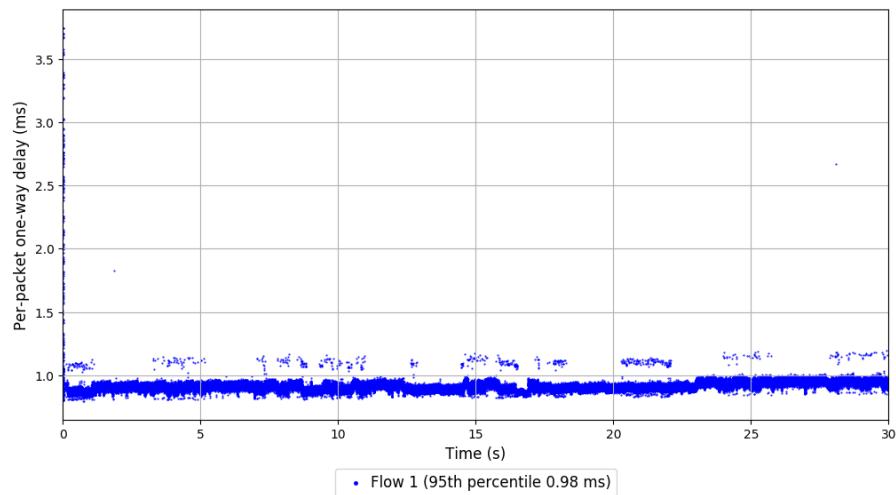
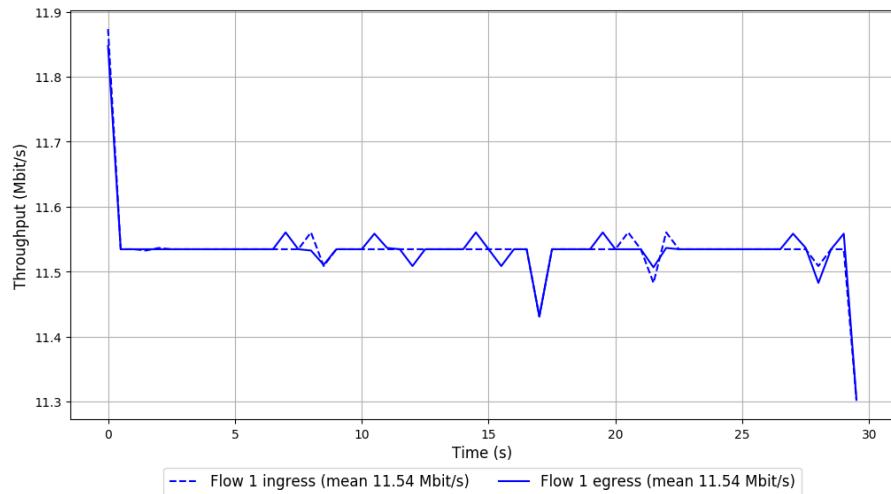


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-04-24 08:59:42
End at: 2018-04-24 09:00:12
Local clock offset: 8.297 ms
Remote clock offset: -6.597 ms

# Below is generated by plot.py at 2018-04-24 12:04:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.00%
```

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

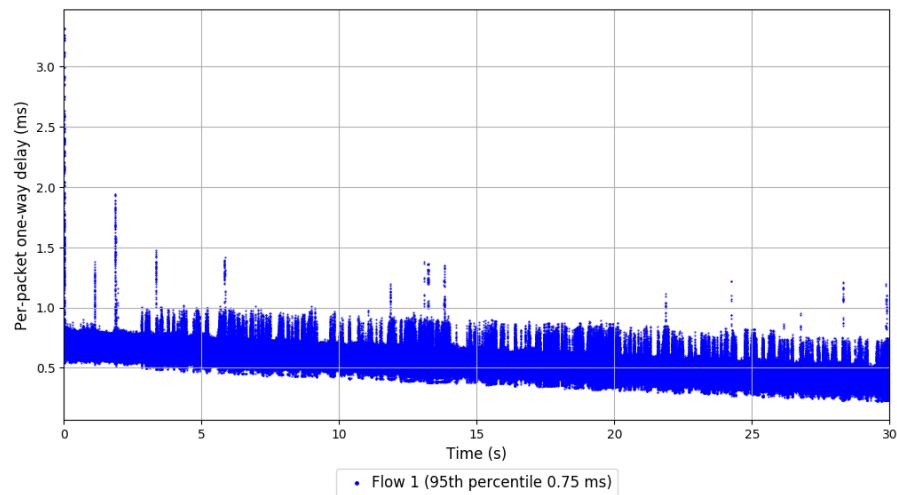
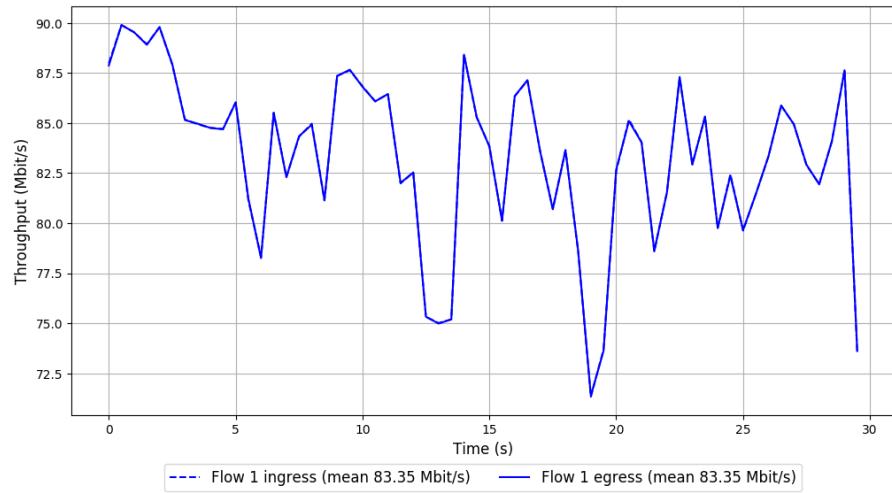


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-04-24 09:18:37
End at: 2018-04-24 09:19:07
Local clock offset: -4.775 ms
Remote clock offset: -6.627 ms

# Below is generated by plot.py at 2018-04-24 12:04:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 0.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 0.751 ms
Loss rate: 0.00%
```

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

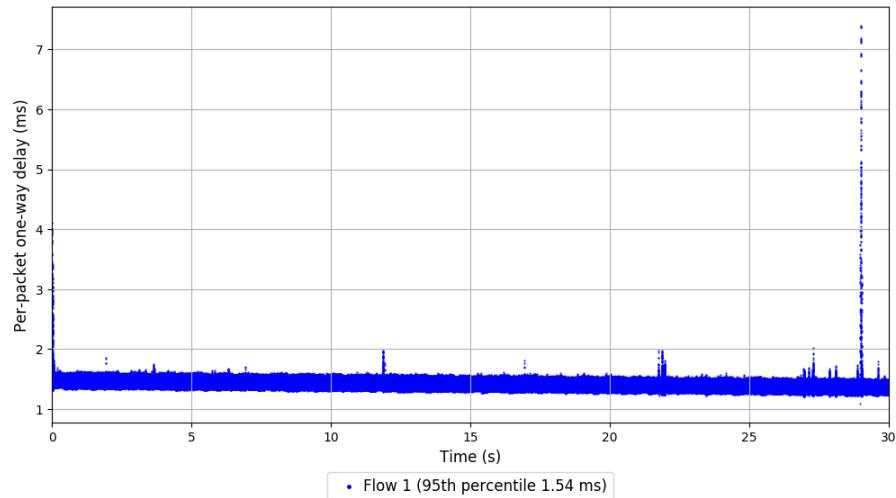
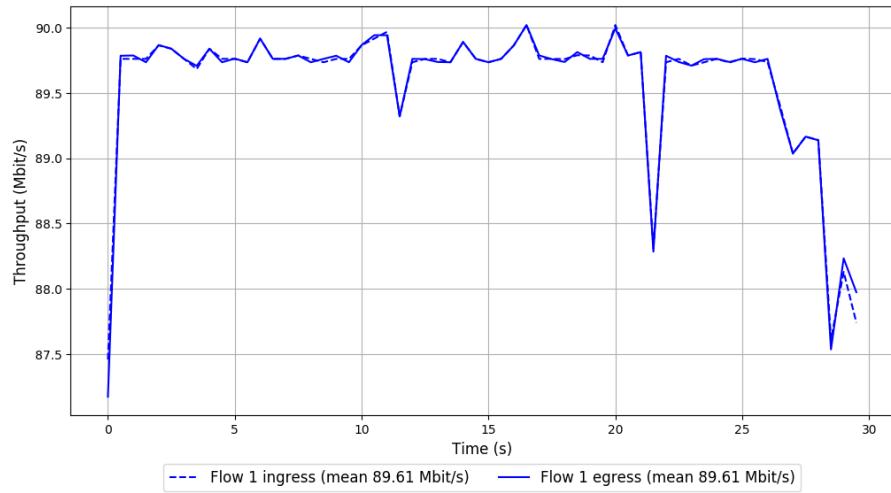


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-04-24 09:37:40
End at: 2018-04-24 09:38:10
Local clock offset: -12.299 ms
Remote clock offset: -6.743 ms

# Below is generated by plot.py at 2018-04-24 12:04:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 1.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 1.540 ms
Loss rate: 0.00%
```

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

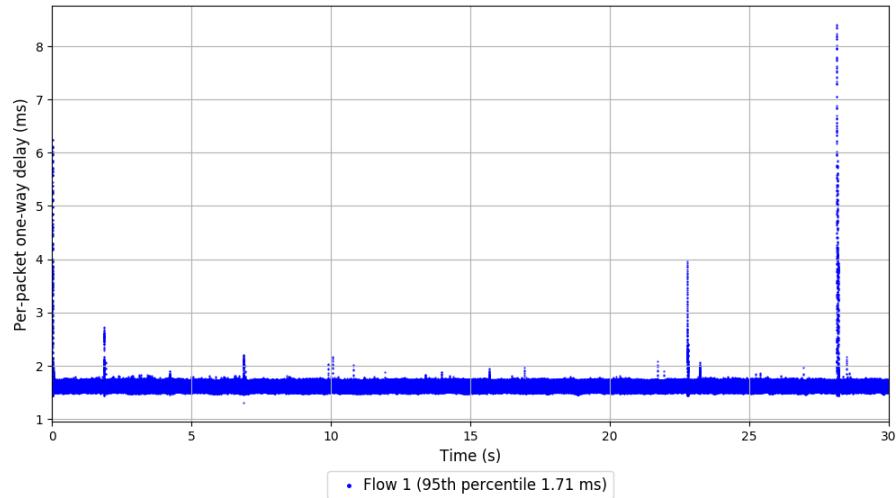
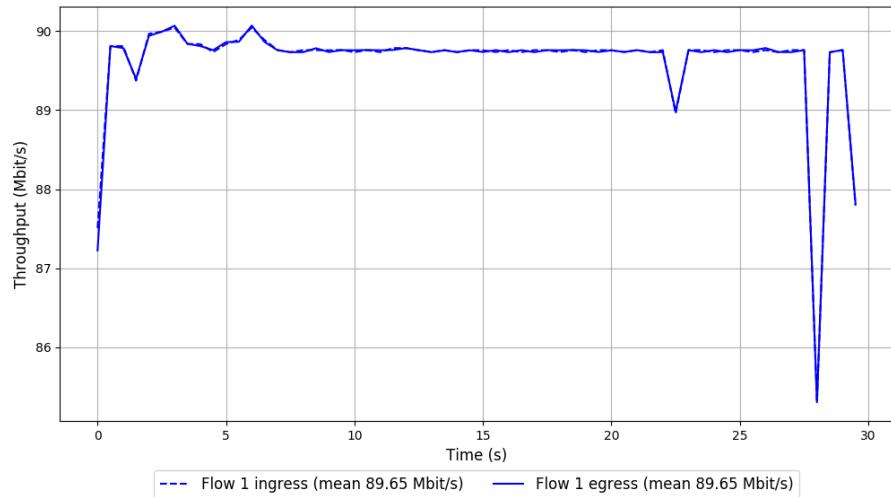


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-04-24 09:56:37
End at: 2018-04-24 09:57:07
Local clock offset: -8.519 ms
Remote clock offset: -6.772 ms

# Below is generated by plot.py at 2018-04-24 12:04:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 1.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 1.707 ms
Loss rate: 0.00%
```

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

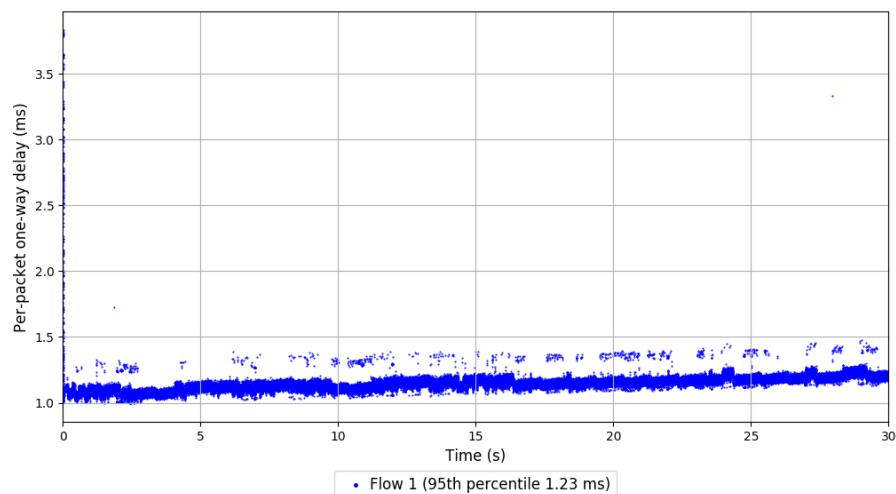
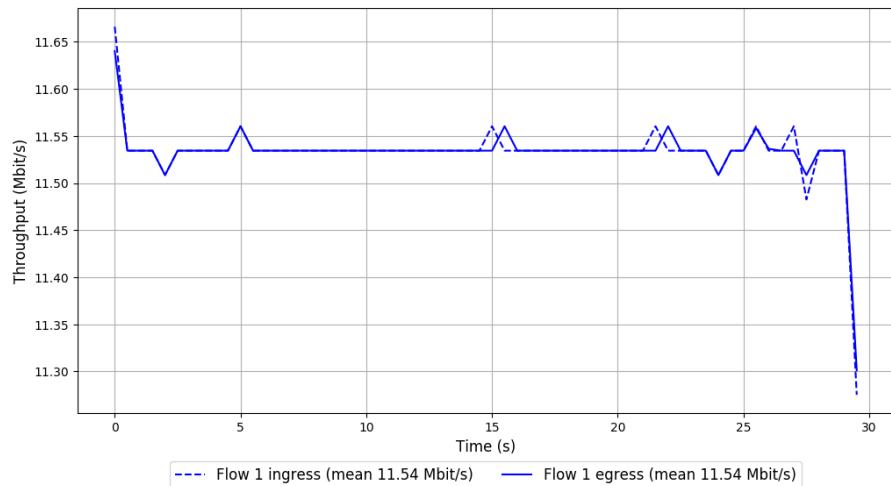


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-04-24 10:15:40
End at: 2018-04-24 10:16:10
Local clock offset: -10.159 ms
Remote clock offset: -6.696 ms

# Below is generated by plot.py at 2018-04-24 12:04:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.00%
```

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

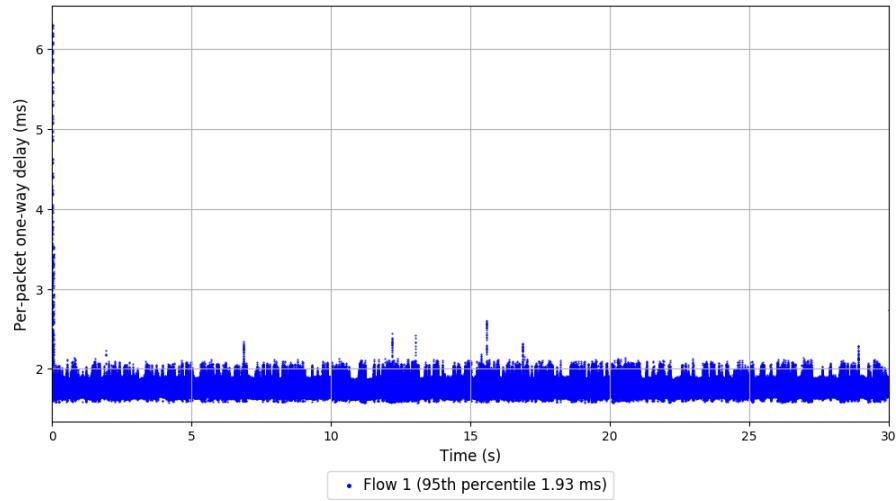
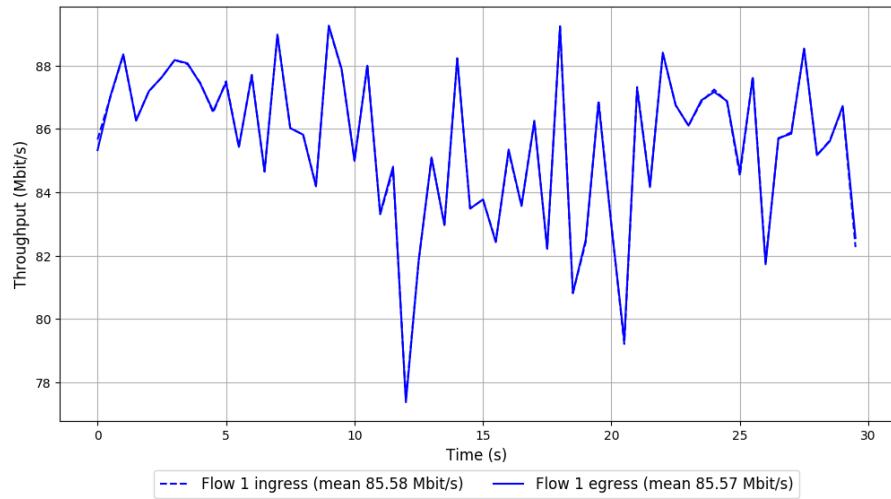


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-04-24 10:34:34
End at: 2018-04-24 10:35:04
Local clock offset: -8.93 ms
Remote clock offset: -6.753 ms

# Below is generated by plot.py at 2018-04-24 12:05:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.57 Mbit/s
95th percentile per-packet one-way delay: 1.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.57 Mbit/s
95th percentile per-packet one-way delay: 1.925 ms
Loss rate: 0.00%
```

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

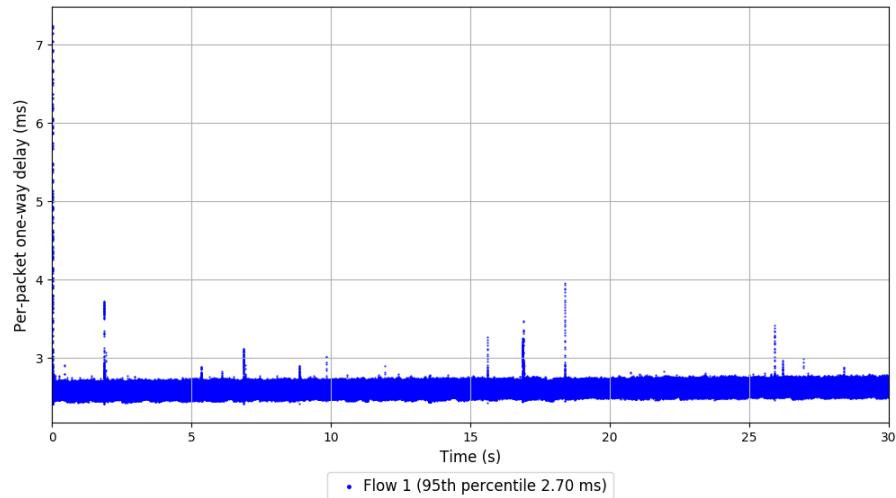
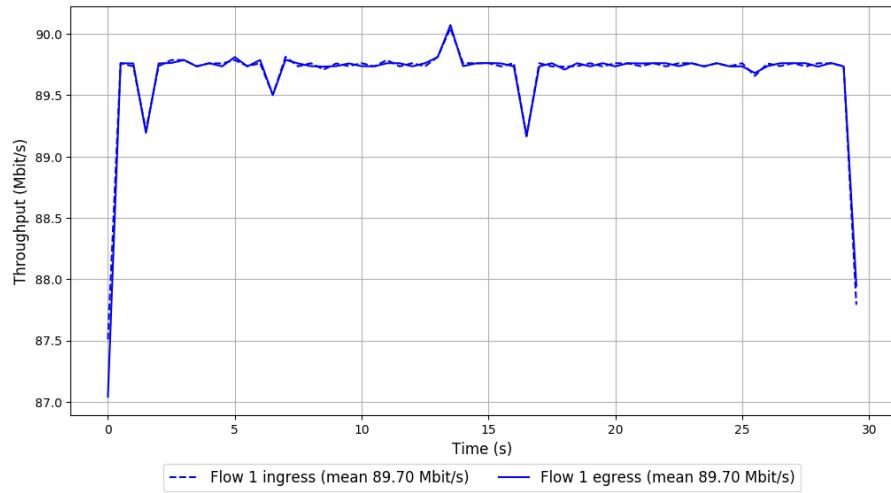


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-04-24 10:53:36
End at: 2018-04-24 10:54:06
Local clock offset: -7.941 ms
Remote clock offset: -6.58 ms

# Below is generated by plot.py at 2018-04-24 12:05:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 2.697 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 2.697 ms
Loss rate: 0.01%
```

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

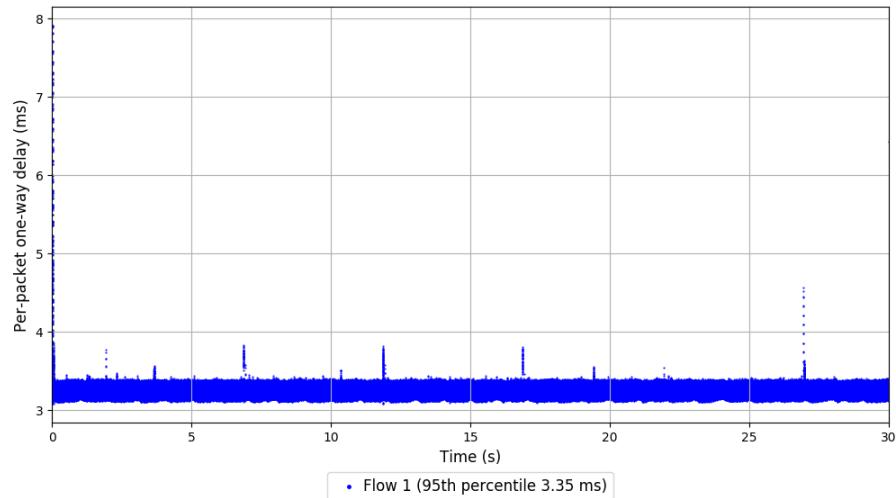
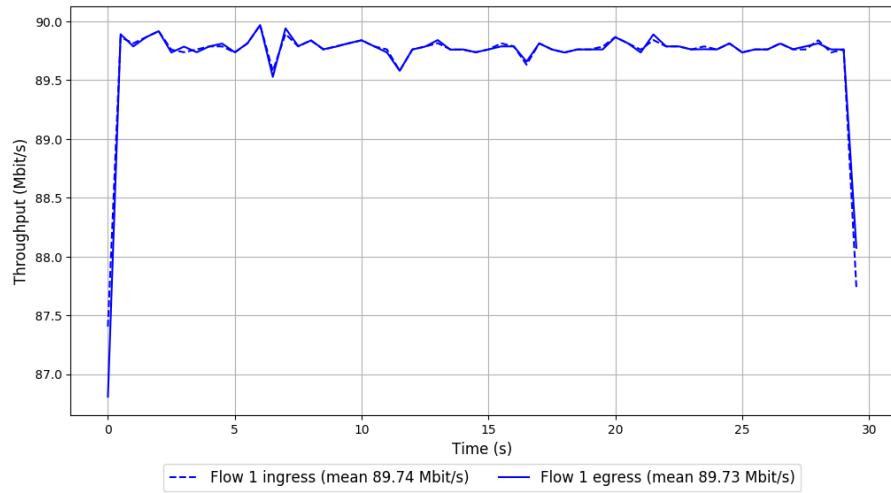


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-04-24 11:12:38
End at: 2018-04-24 11:13:08
Local clock offset: -7.916 ms
Remote clock offset: -6.688 ms

# Below is generated by plot.py at 2018-04-24 12:05:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 3.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 3.345 ms
Loss rate: 0.00%
```

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

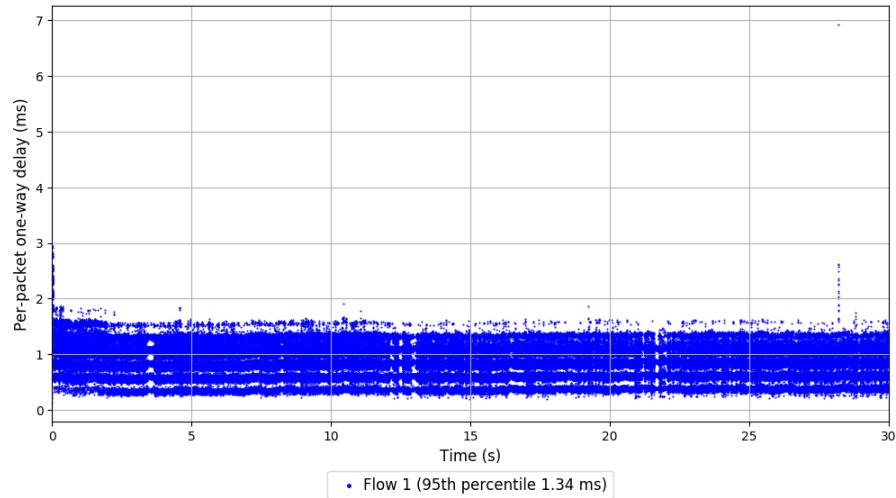
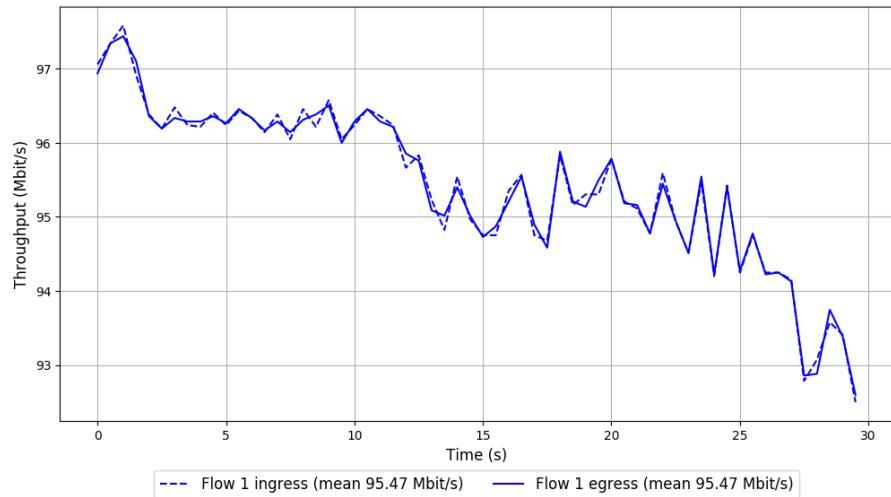


Run 1: Statistics of TCP Vegas

```
Start at: 2018-04-24 08:25:03
End at: 2018-04-24 08:25:33
Local clock offset: 4.915 ms
Remote clock offset: -6.692 ms

# Below is generated by plot.py at 2018-04-24 12:05:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

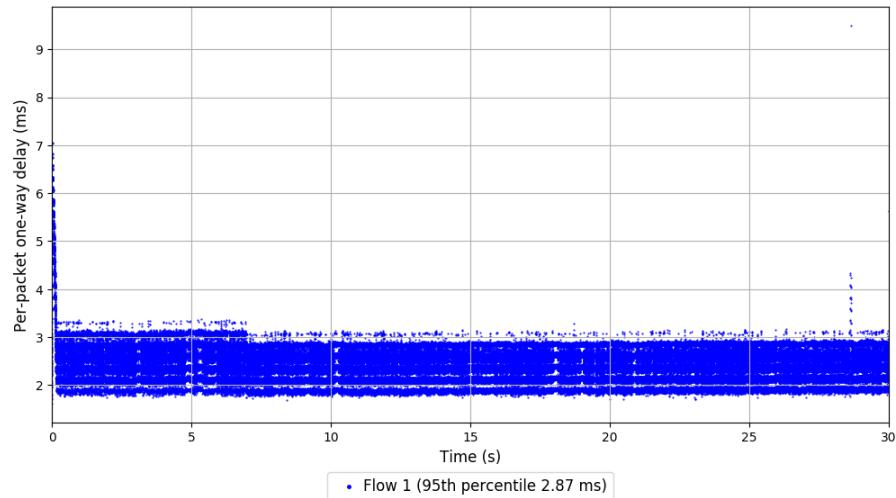
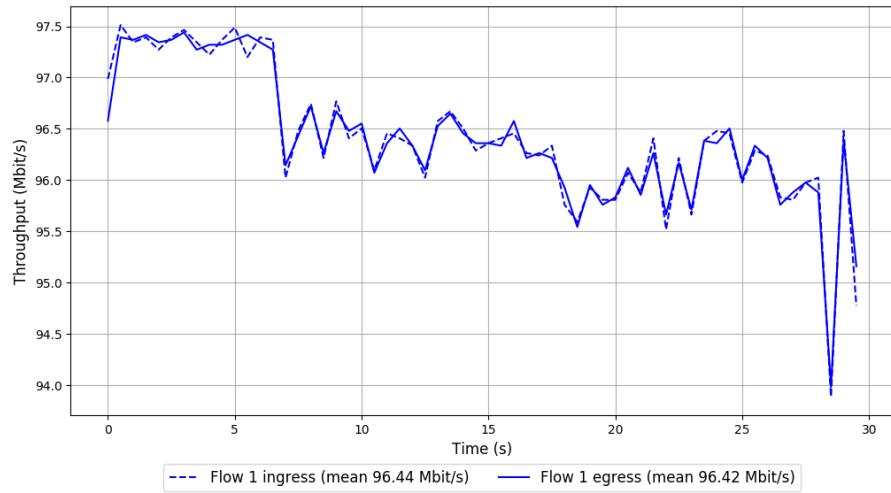


Run 2: Statistics of TCP Vegas

```
Start at: 2018-04-24 08:44:04
End at: 2018-04-24 08:44:34
Local clock offset: 5.748 ms
Remote clock offset: -6.582 ms

# Below is generated by plot.py at 2018-04-24 12:06:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 2.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 2.865 ms
Loss rate: 0.00%
```

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

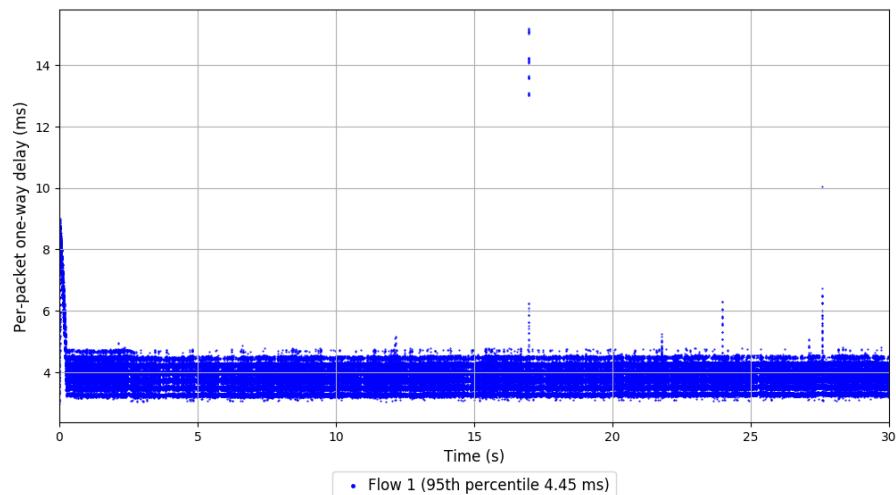
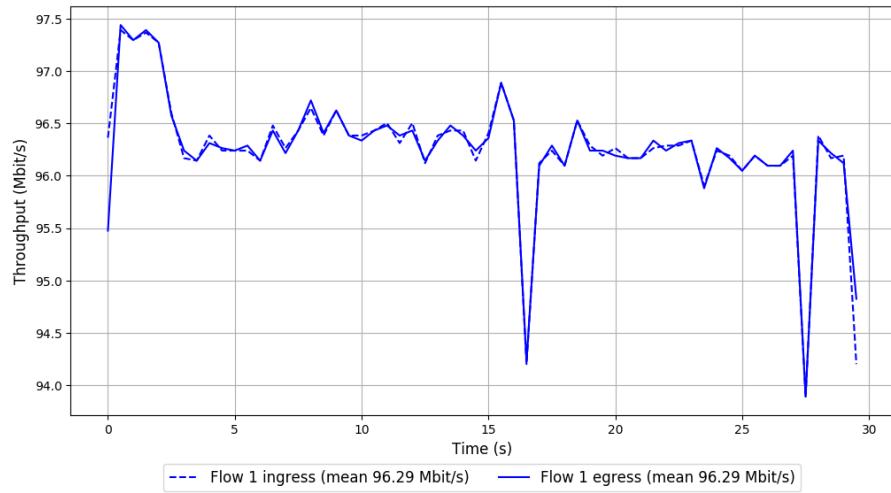


Run 3: Statistics of TCP Vegas

```
Start at: 2018-04-24 09:03:02
End at: 2018-04-24 09:03:32
Local clock offset: 7.88 ms
Remote clock offset: -6.597 ms

# Below is generated by plot.py at 2018-04-24 12:06:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 4.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 4.447 ms
Loss rate: 0.00%
```

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

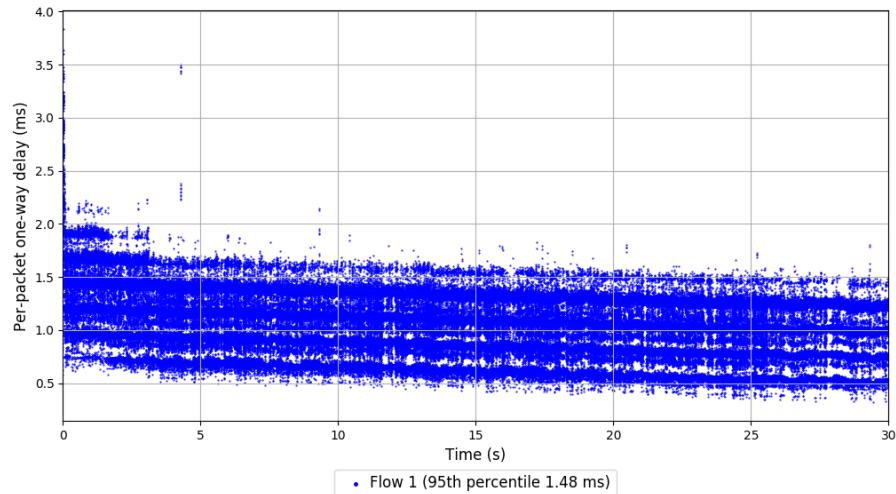
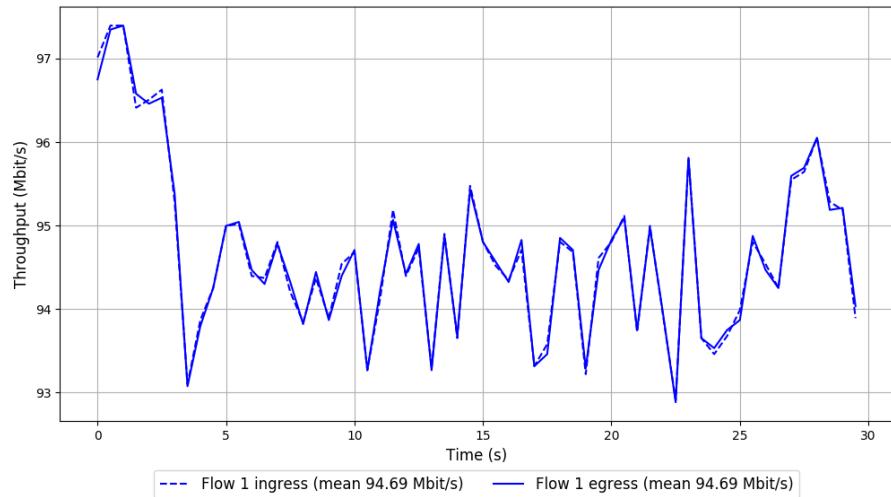


Run 4: Statistics of TCP Vegas

```
Start at: 2018-04-24 09:22:02
End at: 2018-04-24 09:22:32
Local clock offset: -6.577 ms
Remote clock offset: -6.655 ms

# Below is generated by plot.py at 2018-04-24 12:06:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

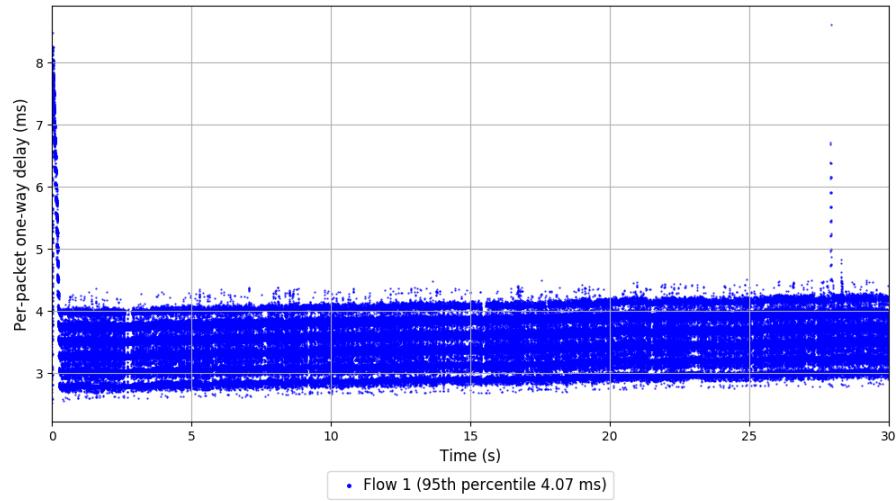
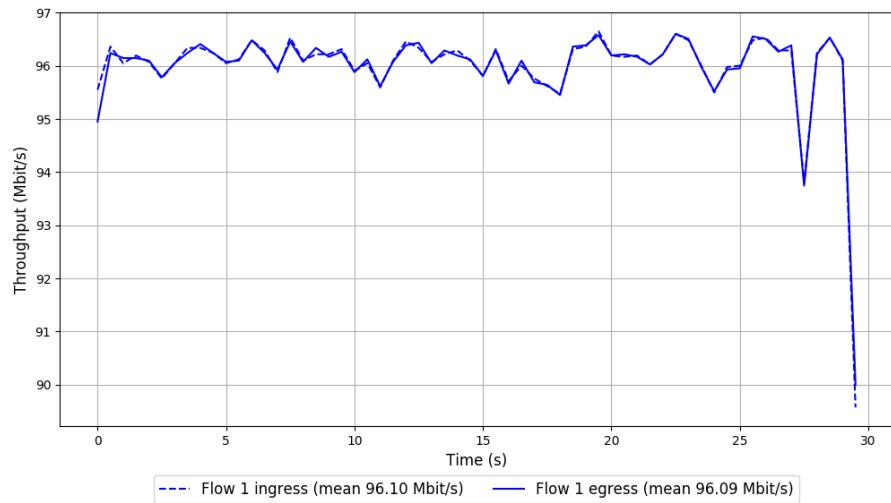


Run 5: Statistics of TCP Vegas

```
Start at: 2018-04-24 09:41:06
End at: 2018-04-24 09:41:36
Local clock offset: -12.255 ms
Remote clock offset: -6.68 ms

# Below is generated by plot.py at 2018-04-24 12:06:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 4.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 4.066 ms
Loss rate: 0.00%
```

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

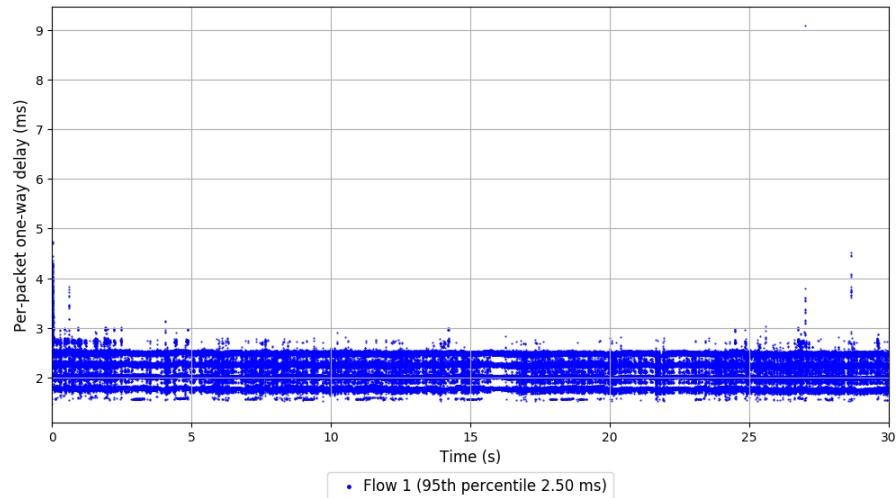
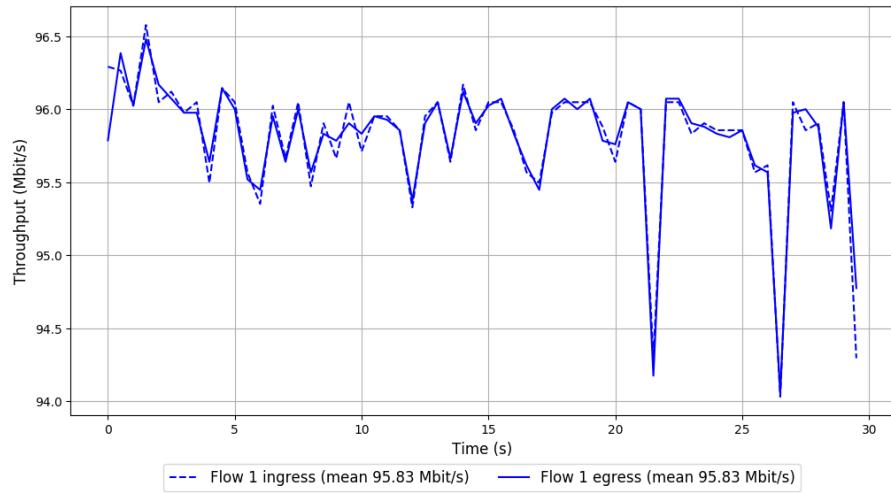


Run 6: Statistics of TCP Vegas

```
Start at: 2018-04-24 10:00:03
End at: 2018-04-24 10:00:33
Local clock offset: -10.143 ms
Remote clock offset: -6.727 ms

# Below is generated by plot.py at 2018-04-24 12:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 2.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 2.499 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

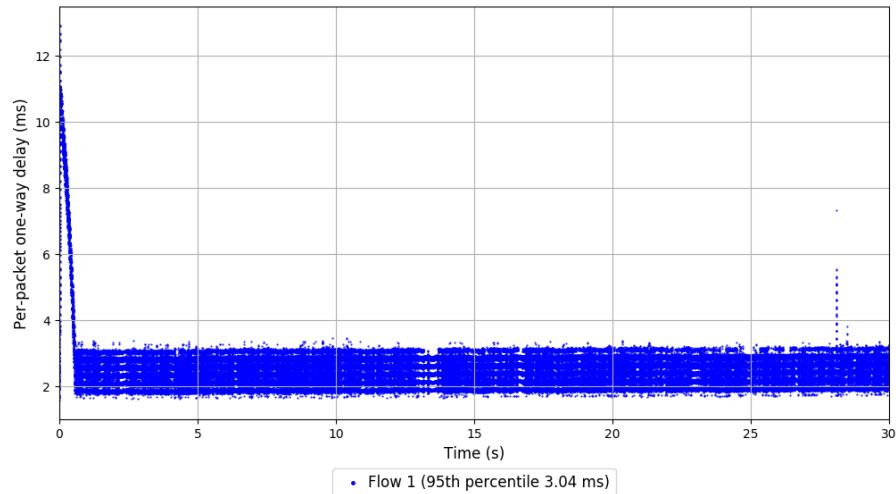
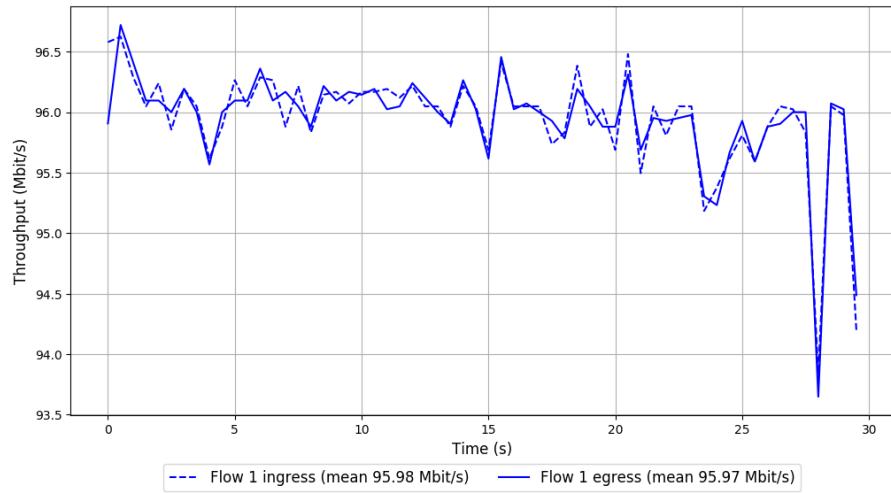


Run 7: Statistics of TCP Vegas

```
Start at: 2018-04-24 10:18:59
End at: 2018-04-24 10:19:29
Local clock offset: -8.485 ms
Remote clock offset: -6.687 ms

# Below is generated by plot.py at 2018-04-24 12:06:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 3.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 3.040 ms
Loss rate: 0.00%
```

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

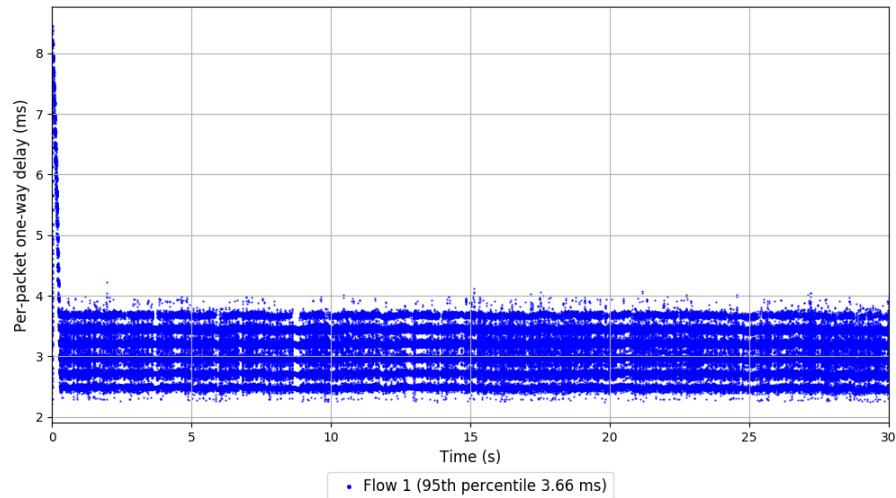
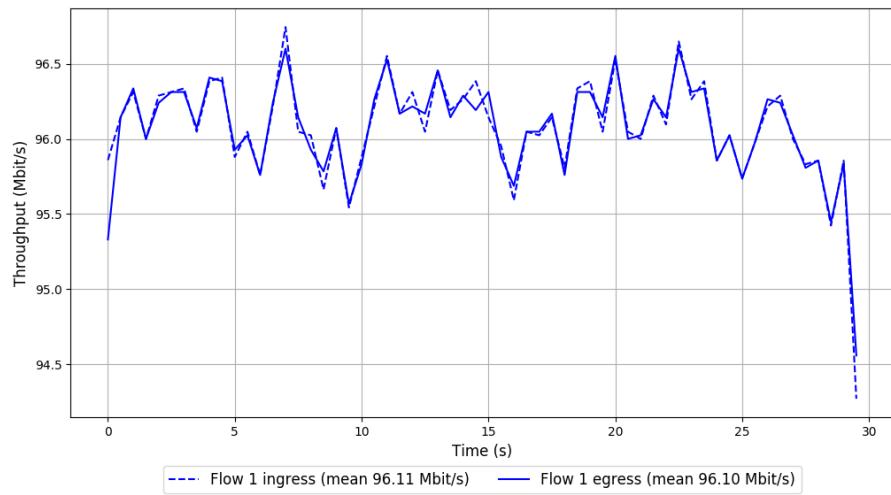


Run 8: Statistics of TCP Vegas

```
Start at: 2018-04-24 10:37:59
End at: 2018-04-24 10:38:29
Local clock offset: -8.241 ms
Remote clock offset: -6.836 ms

# Below is generated by plot.py at 2018-04-24 12:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 3.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 3.656 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

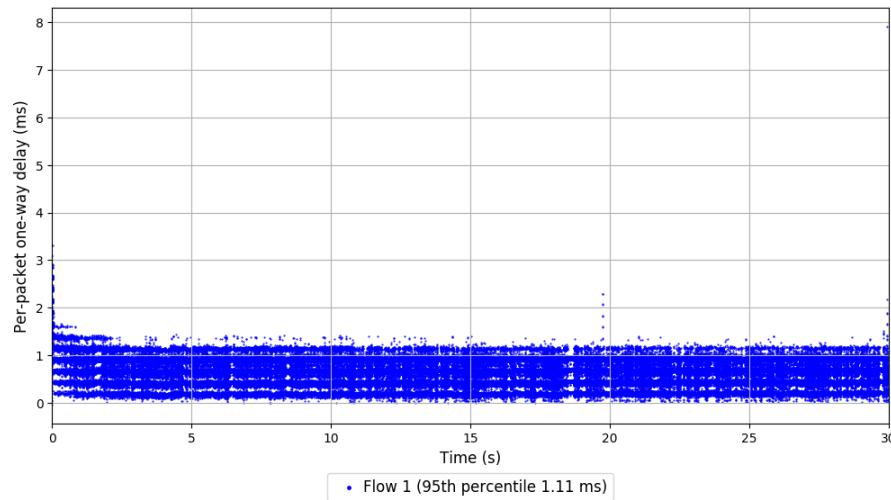
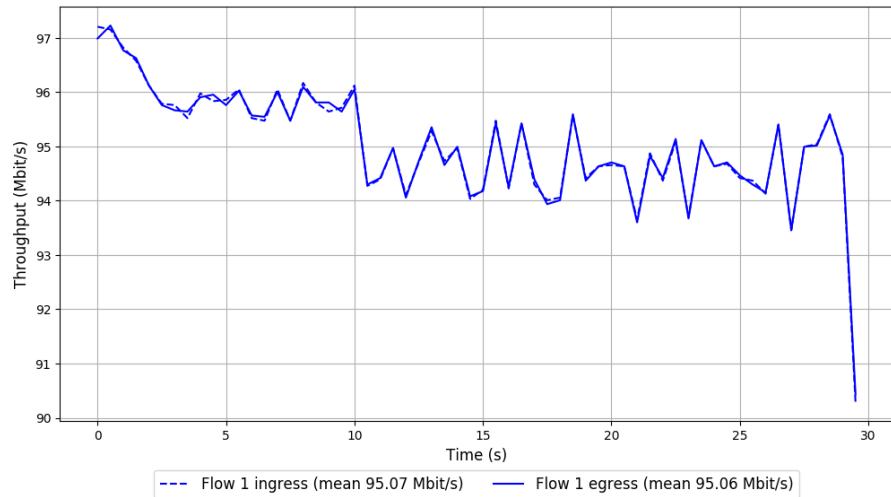


Run 9: Statistics of TCP Vegas

```
Start at: 2018-04-24 10:57:02
End at: 2018-04-24 10:57:32
Local clock offset: -6.777 ms
Remote clock offset: -6.674 ms

# Below is generated by plot.py at 2018-04-24 12:07:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.00%
```

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

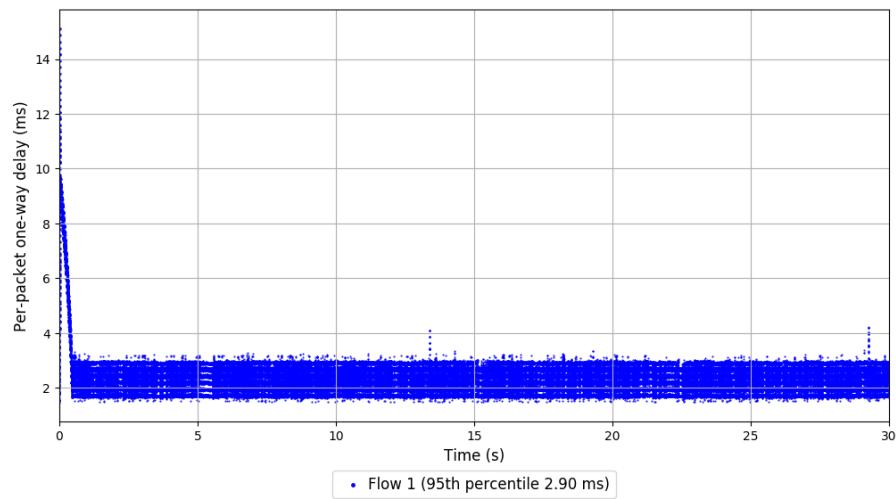
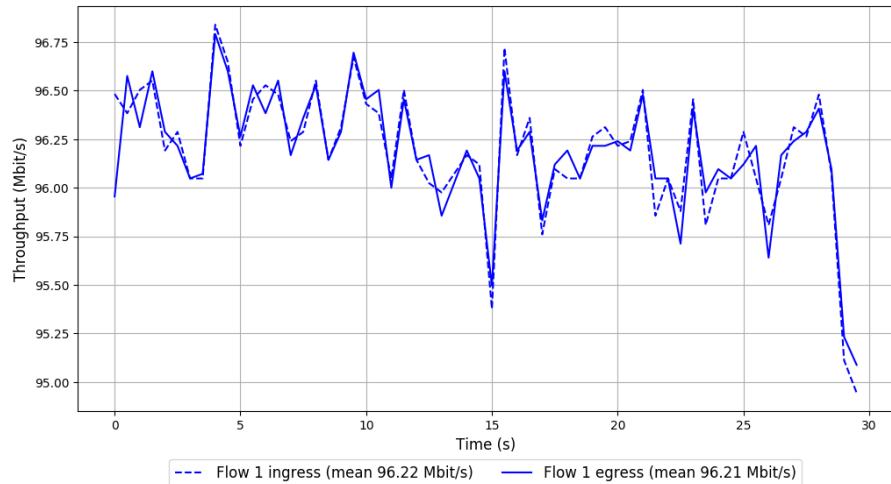


Run 10: Statistics of TCP Vegas

```
Start at: 2018-04-24 11:16:04
End at: 2018-04-24 11:16:34
Local clock offset: -6.339 ms
Remote clock offset: -6.707 ms

# Below is generated by plot.py at 2018-04-24 12:07:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 2.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 2.898 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

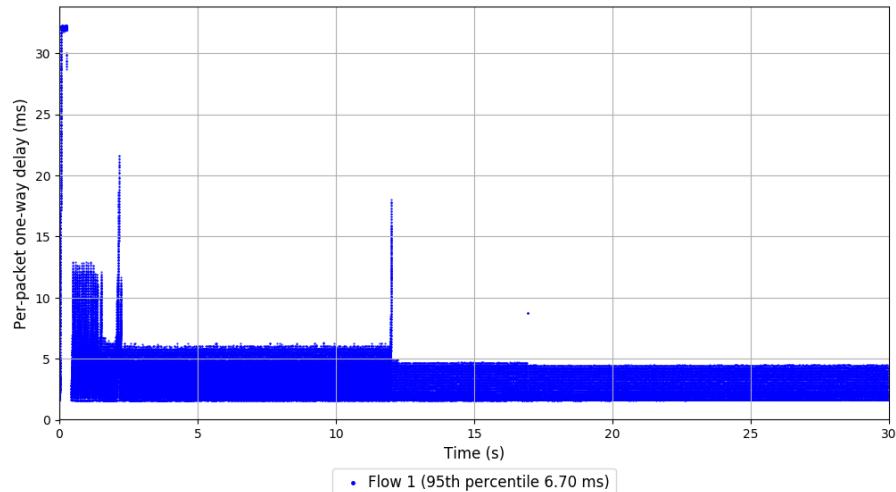
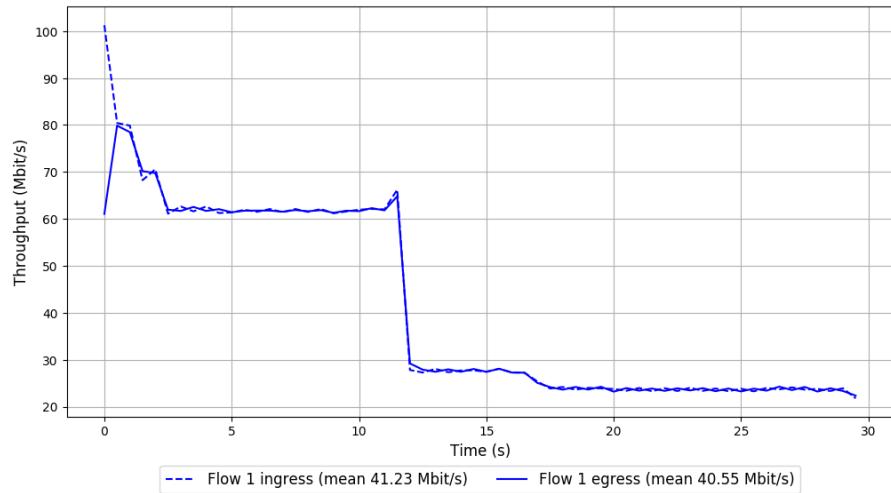


Run 1: Statistics of Verus

```
Start at: 2018-04-24 08:28:25
End at: 2018-04-24 08:28:55
Local clock offset: 5.435 ms
Remote clock offset: -6.649 ms

# Below is generated by plot.py at 2018-04-24 12:07:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 6.695 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 6.695 ms
Loss rate: 1.63%
```

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

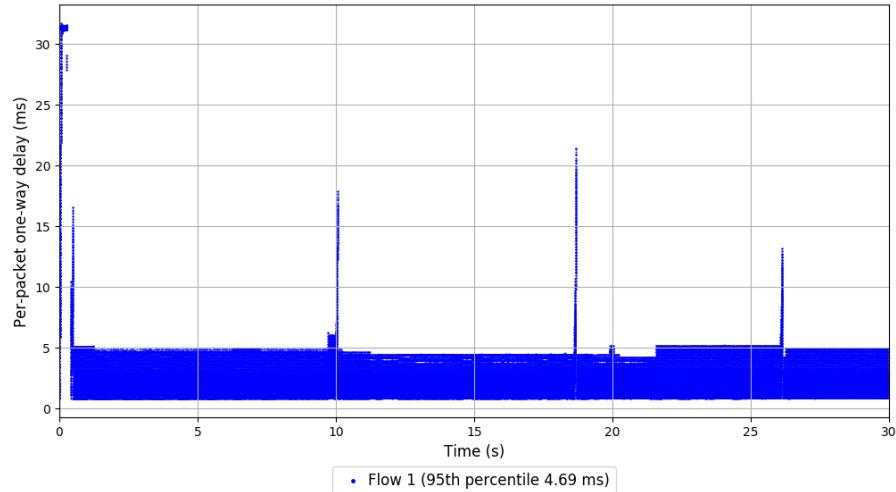
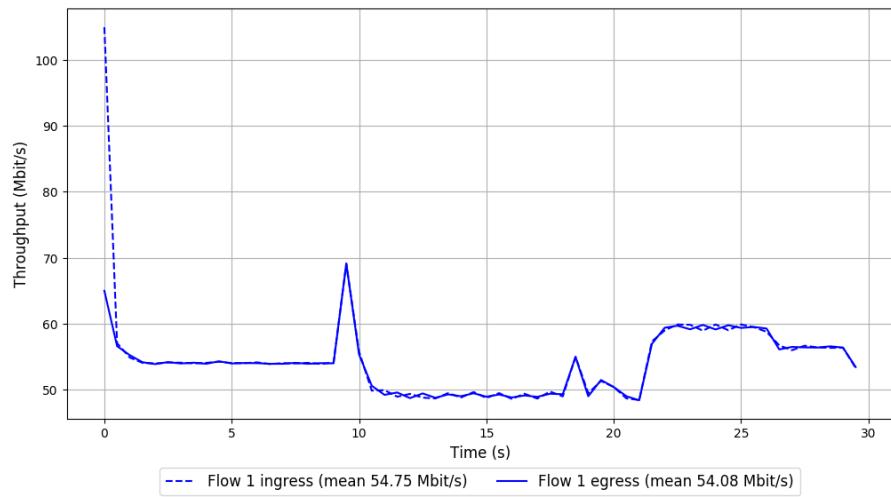


Run 2: Statistics of Verus

```
Start at: 2018-04-24 08:47:26
End at: 2018-04-24 08:47:56
Local clock offset: 6.954 ms
Remote clock offset: -6.583 ms

# Below is generated by plot.py at 2018-04-24 12:07:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 4.688 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 4.688 ms
Loss rate: 1.22%
```

## Run 2: Report of Verus — Data Link

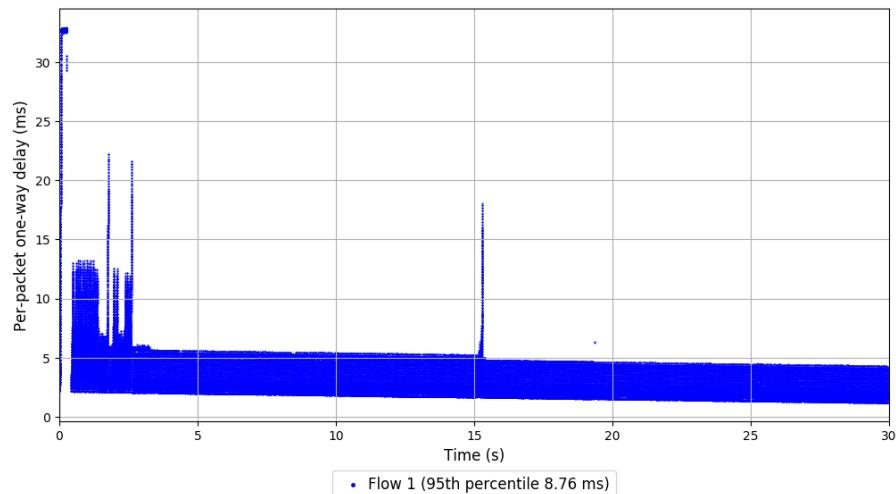
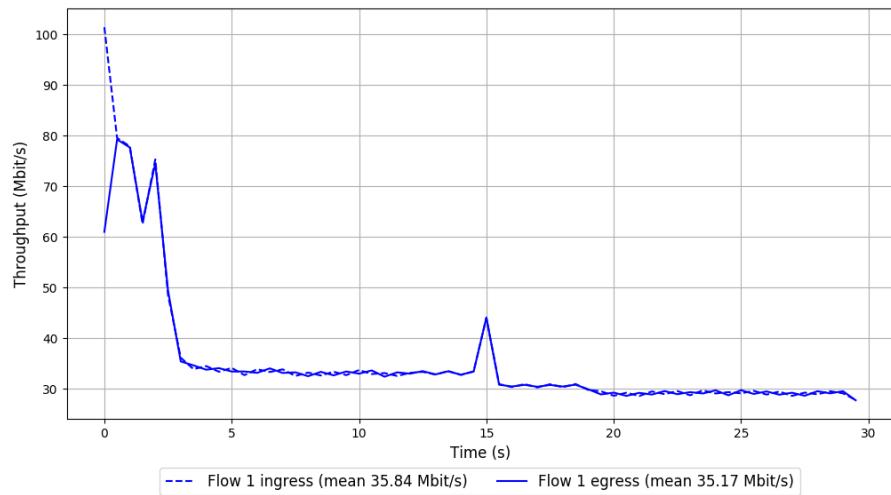


Run 3: Statistics of Verus

```
Start at: 2018-04-24 09:06:24
End at: 2018-04-24 09:06:54
Local clock offset: 8.956 ms
Remote clock offset: -6.597 ms

# Below is generated by plot.py at 2018-04-24 12:07:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.17 Mbit/s
95th percentile per-packet one-way delay: 8.762 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 35.17 Mbit/s
95th percentile per-packet one-way delay: 8.762 ms
Loss rate: 1.88%
```

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

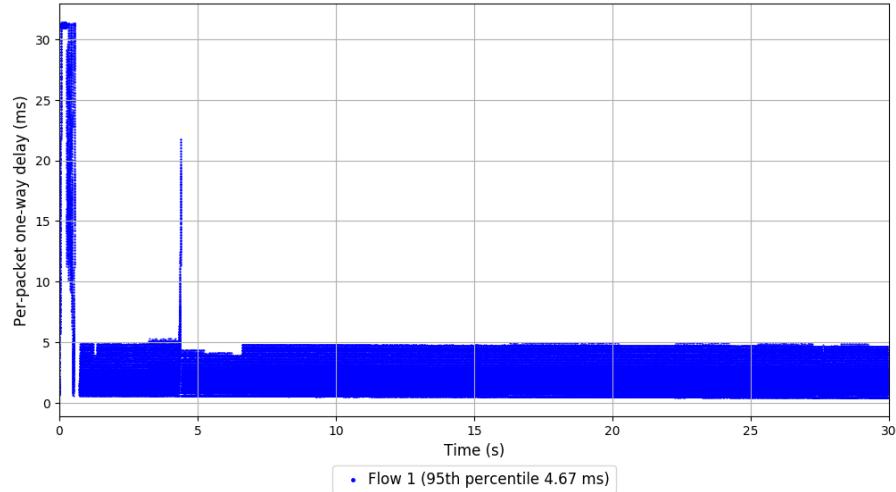
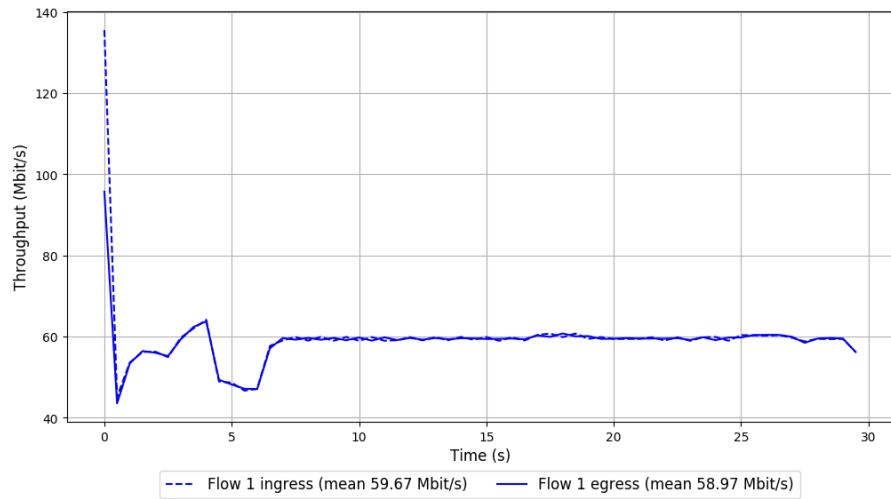


Run 4: Statistics of Verus

```
Start at: 2018-04-24 09:25:24
End at: 2018-04-24 09:25:54
Local clock offset: -8.032 ms
Remote clock offset: -6.651 ms

# Below is generated by plot.py at 2018-04-24 12:07:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 4.671 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 4.671 ms
Loss rate: 1.16%
```

## Run 4: Report of Verus — Data Link

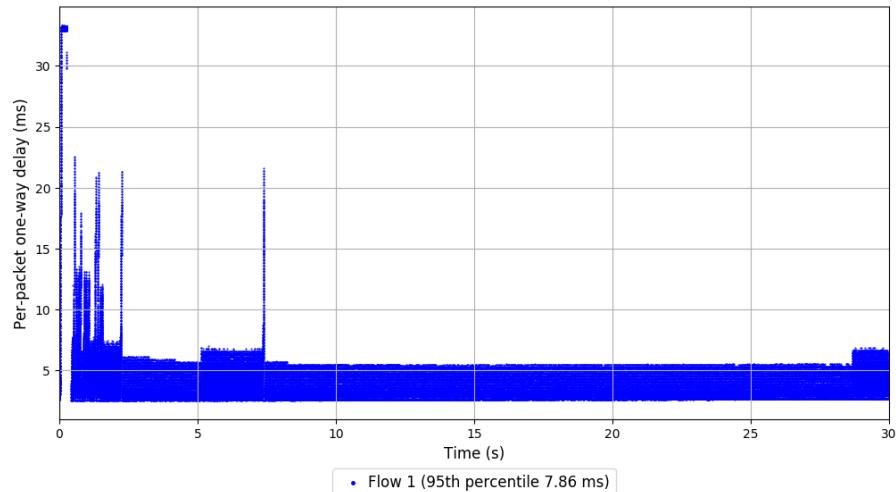
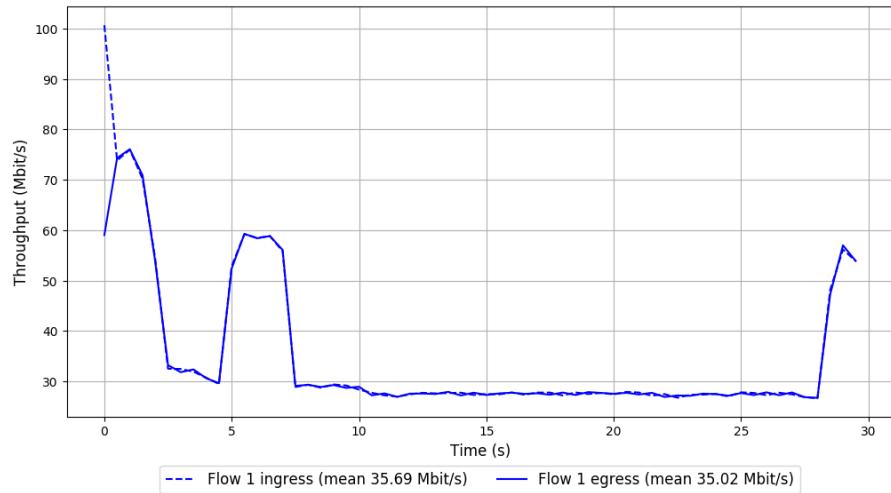


Run 5: Statistics of Verus

```
Start at: 2018-04-24 09:44:25
End at: 2018-04-24 09:44:55
Local clock offset: -10.931 ms
Remote clock offset: -6.686 ms

# Below is generated by plot.py at 2018-04-24 12:07:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 7.857 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 7.857 ms
Loss rate: 1.89%
```

Run 5: Report of Verus — Data Link

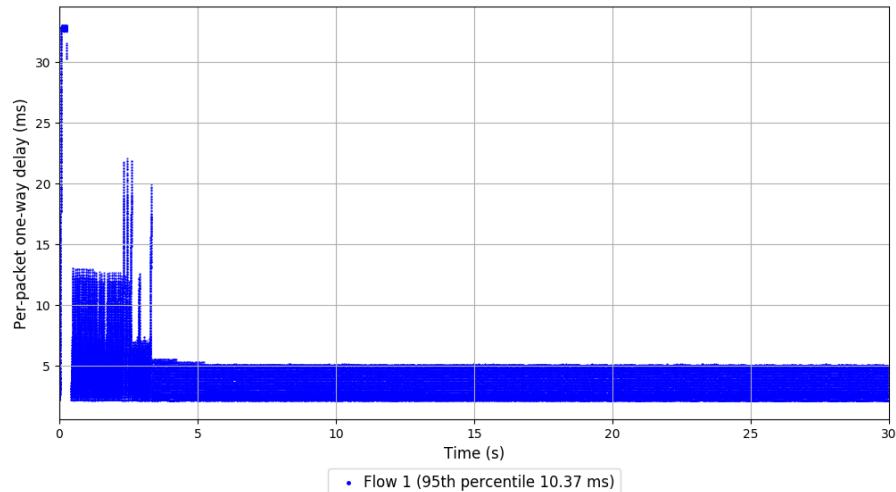
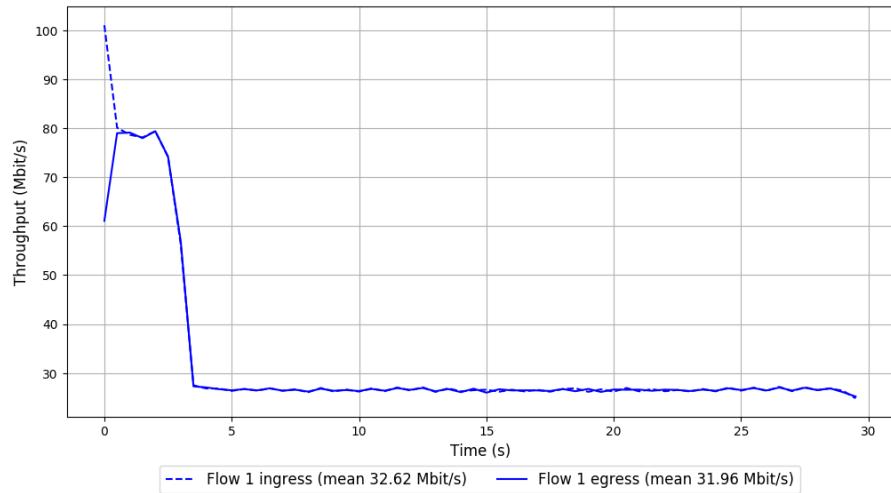


Run 6: Statistics of Verus

```
Start at: 2018-04-24 10:03:25
End at: 2018-04-24 10:03:55
Local clock offset: -9.435 ms
Remote clock offset: -6.725 ms

# Below is generated by plot.py at 2018-04-24 12:07:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 10.369 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 10.369 ms
Loss rate: 2.04%
```

Run 6: Report of Verus — Data Link

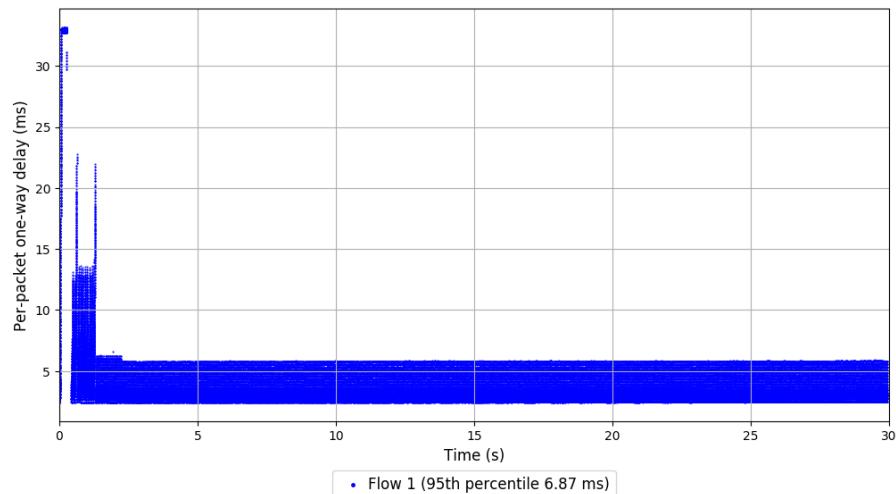
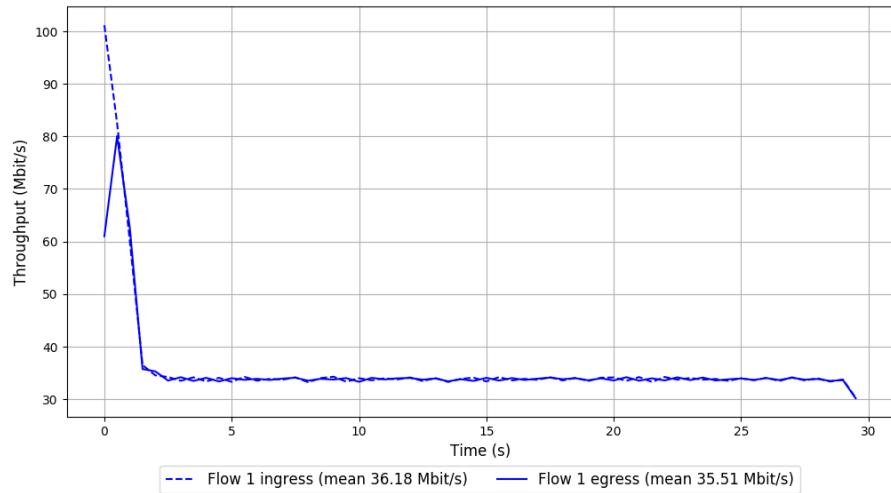


Run 7: Statistics of Verus

```
Start at: 2018-04-24 10:22:21
End at: 2018-04-24 10:22:51
Local clock offset: -8.749 ms
Remote clock offset: -6.69 ms

# Below is generated by plot.py at 2018-04-24 12:07:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 6.865 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 6.865 ms
Loss rate: 1.86%
```

## Run 7: Report of Verus — Data Link

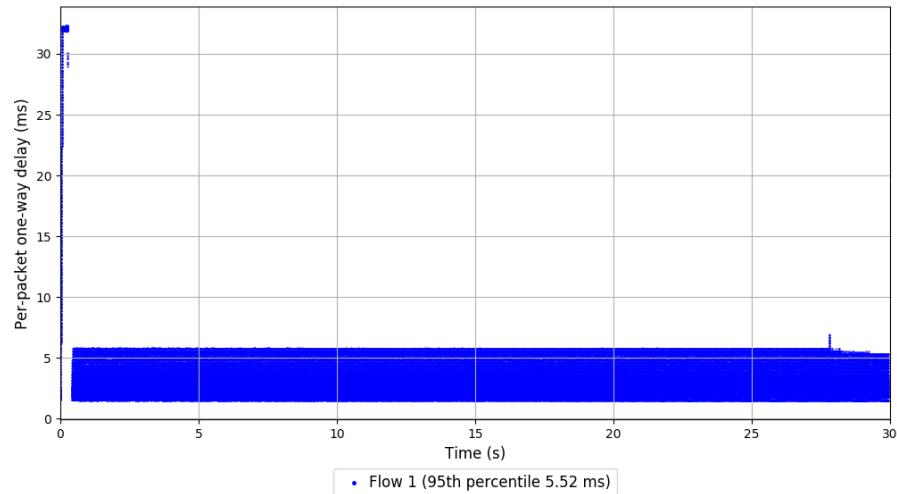
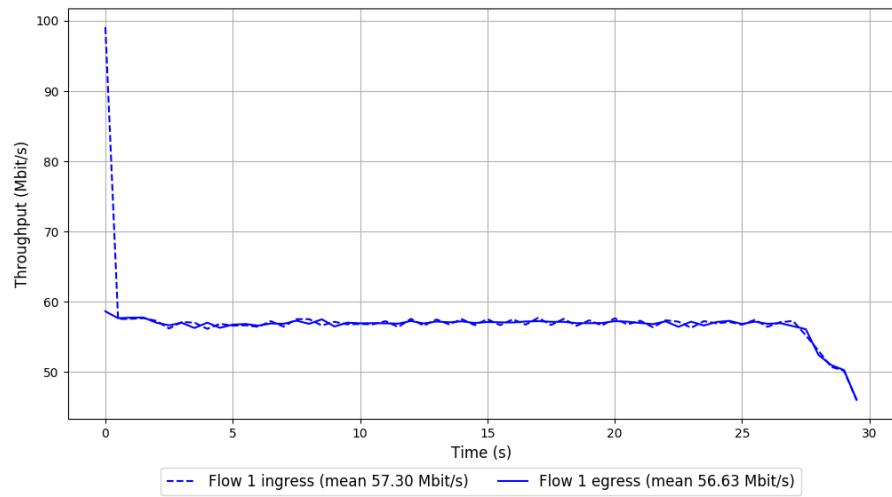


Run 8: Statistics of Verus

```
Start at: 2018-04-24 10:41:22
End at: 2018-04-24 10:41:52
Local clock offset: -9.046 ms
Remote clock offset: -6.69 ms

# Below is generated by plot.py at 2018-04-24 12:08:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 5.518 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 5.518 ms
Loss rate: 1.17%
```

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

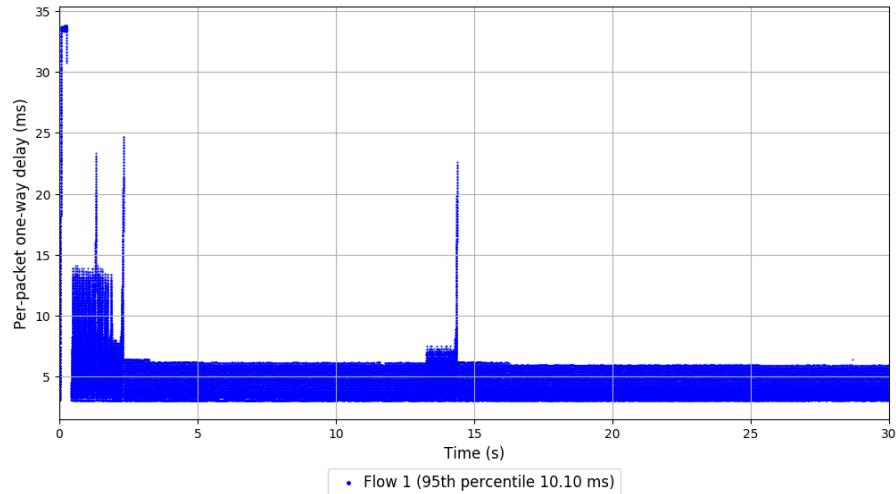
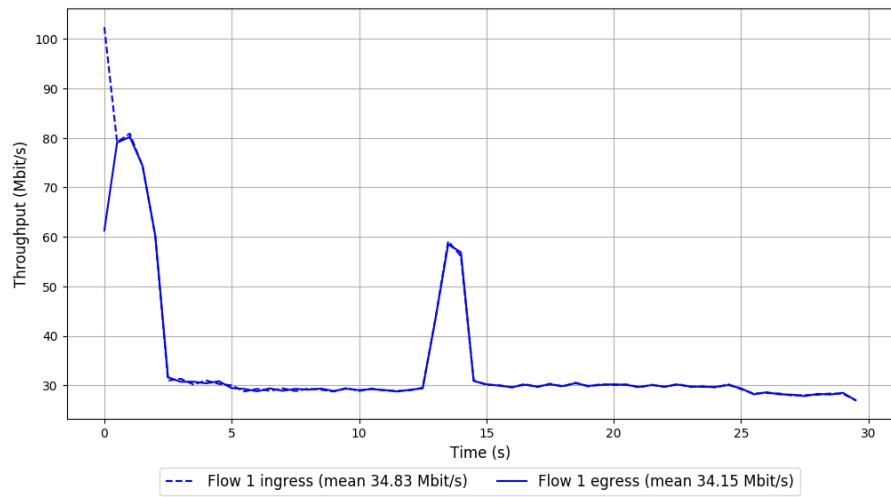


Run 9: Statistics of Verus

```
Start at: 2018-04-24 11:00:24
End at: 2018-04-24 11:00:54
Local clock offset: -8.101 ms
Remote clock offset: -6.605 ms

# Below is generated by plot.py at 2018-04-24 12:08:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 10.102 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 10.102 ms
Loss rate: 1.97%
```

## Run 9: Report of Verus — Data Link

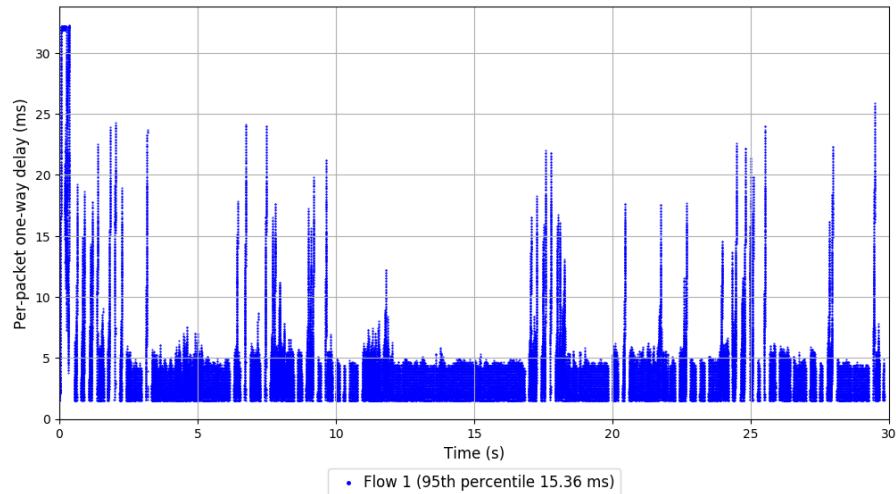
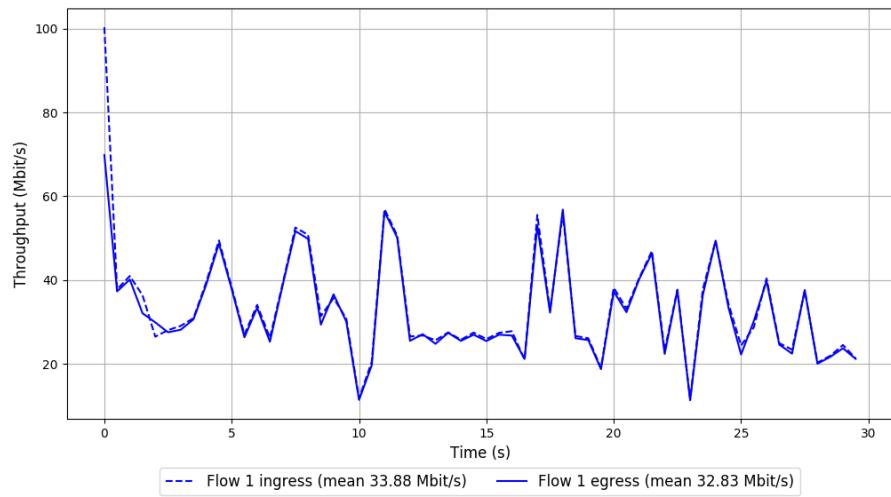


Run 10: Statistics of Verus

```
Start at: 2018-04-24 11:19:26
End at: 2018-04-24 11:19:56
Local clock offset: -6.337 ms
Remote clock offset: -6.709 ms

# Below is generated by plot.py at 2018-04-24 12:08:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 15.355 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 15.355 ms
Loss rate: 3.08%
```

## Run 10: Report of Verus — Data Link

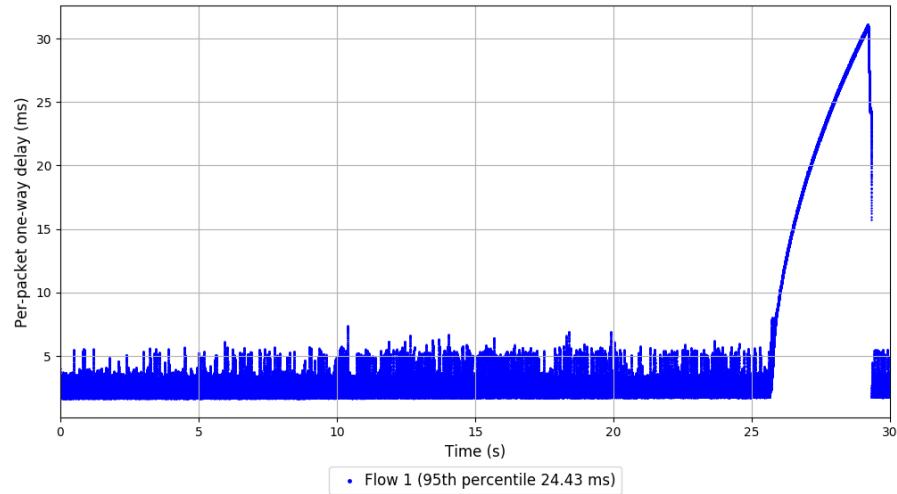
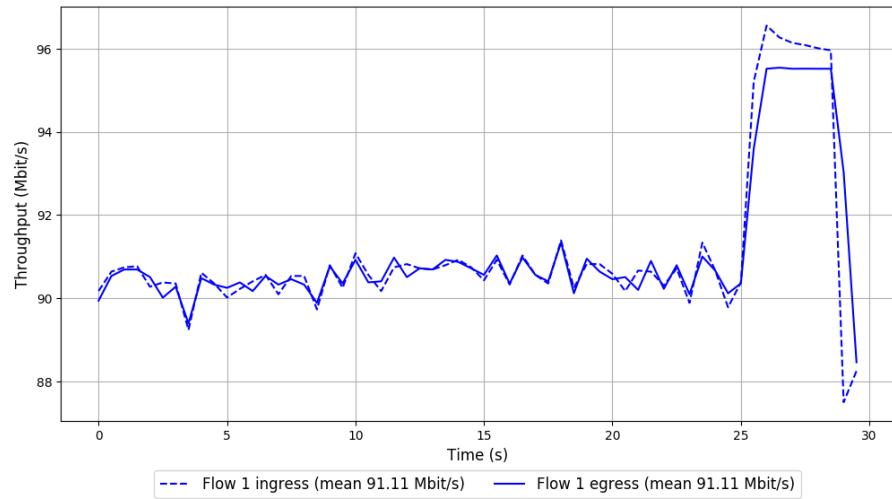


Run 1: Statistics of Copa

```
Start at: 2018-04-24 08:16:07
End at: 2018-04-24 08:16:37
Local clock offset: 1.751 ms
Remote clock offset: -6.815 ms

# Below is generated by plot.py at 2018-04-24 12:10:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 24.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 24.430 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

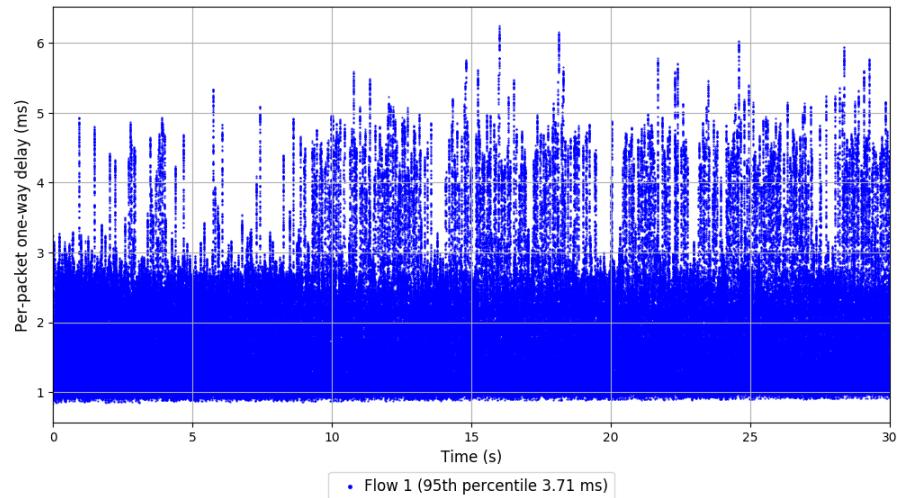
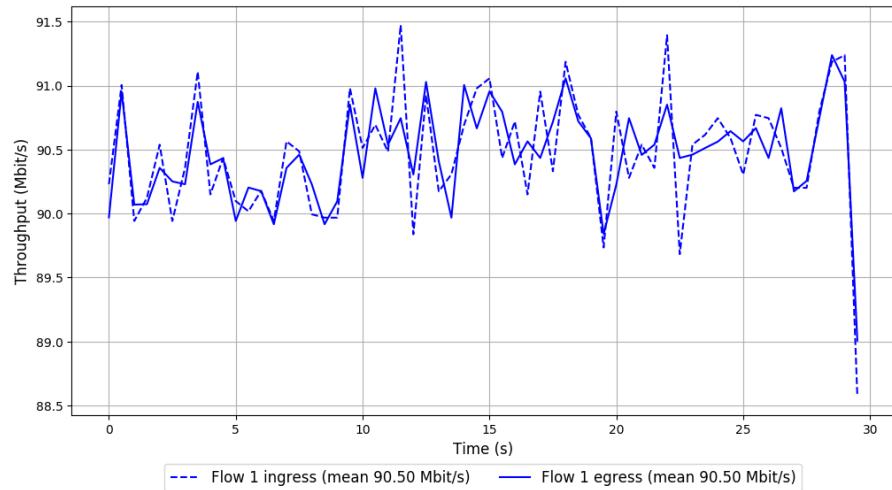


Run 2: Statistics of Copa

```
Start at: 2018-04-24 08:35:05
End at: 2018-04-24 08:35:35
Local clock offset: 5.459 ms
Remote clock offset: -6.672 ms

# Below is generated by plot.py at 2018-04-24 12:10:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 3.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 3.711 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

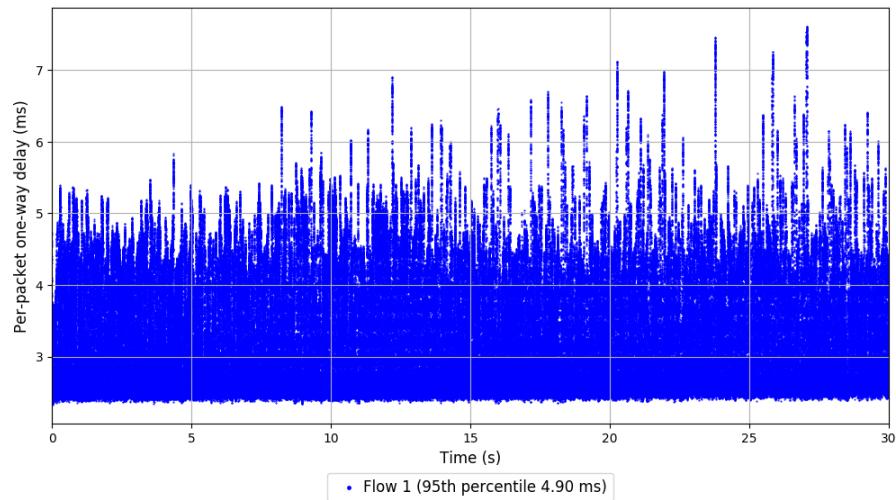
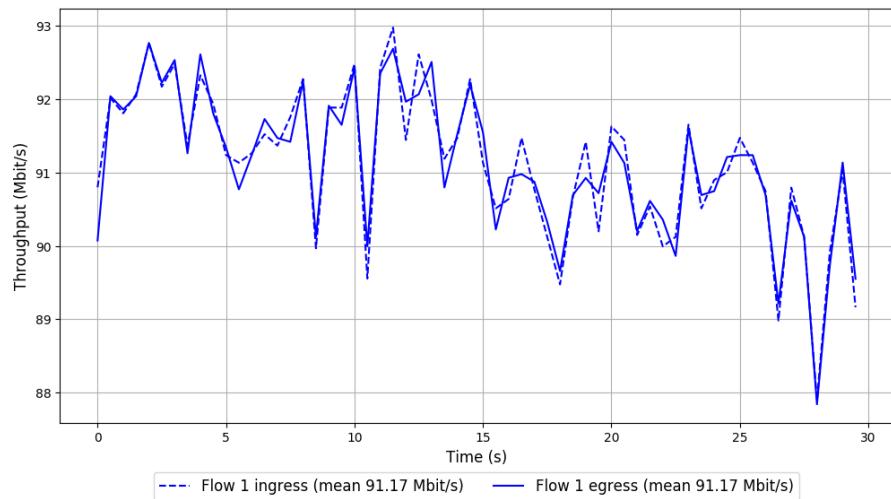


Run 3: Statistics of Copa

```
Start at: 2018-04-24 08:54:09
End at: 2018-04-24 08:54:39
Local clock offset: 7.579 ms
Remote clock offset: -6.663 ms

# Below is generated by plot.py at 2018-04-24 12:10:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: 4.899 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.17 Mbit/s
95th percentile per-packet one-way delay: 4.899 ms
Loss rate: 0.01%
```

### Run 3: Report of Copa — Data Link

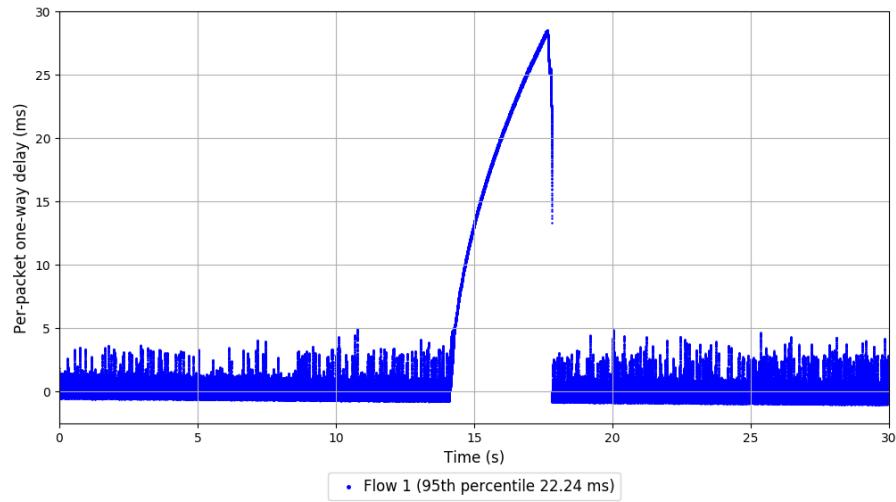
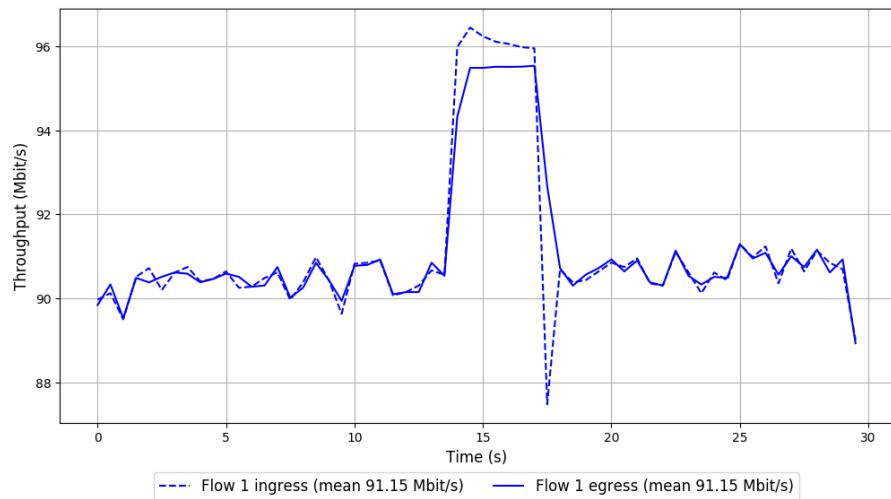


Run 4: Statistics of Copa

```
Start at: 2018-04-24 09:13:04
End at: 2018-04-24 09:13:34
Local clock offset: 0.671 ms
Remote clock offset: -6.613 ms

# Below is generated by plot.py at 2018-04-24 12:10:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 22.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 22.240 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

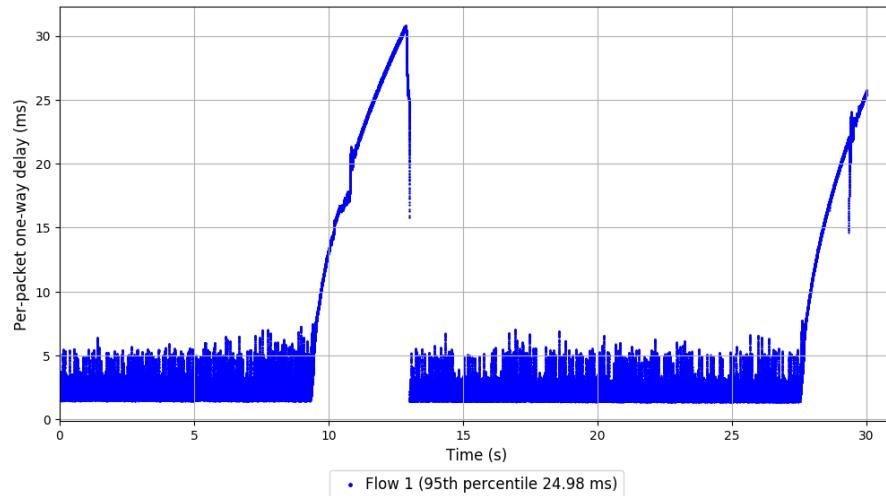
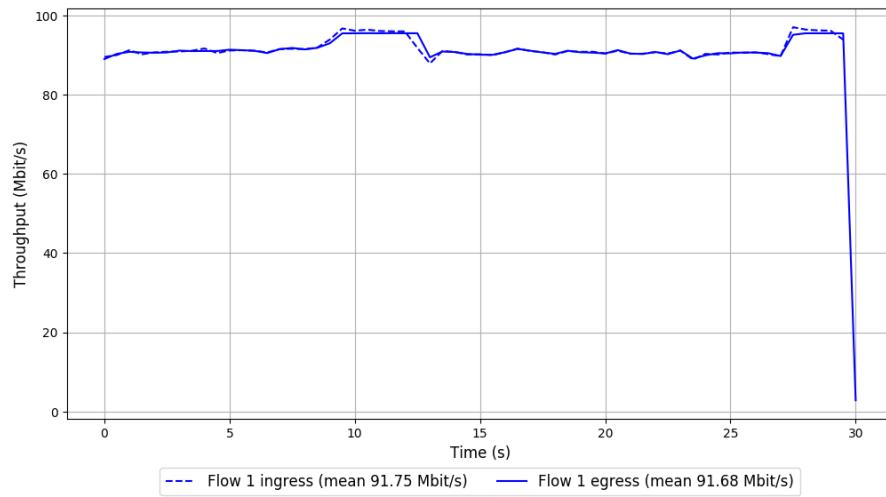


Run 5: Statistics of Copa

```
Start at: 2018-04-24 09:32:06
End at: 2018-04-24 09:32:36
Local clock offset: -11.021 ms
Remote clock offset: -6.659 ms

# Below is generated by plot.py at 2018-04-24 12:10:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 24.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 24.979 ms
Loss rate: 0.00%
```

### Run 5: Report of Copa — Data Link

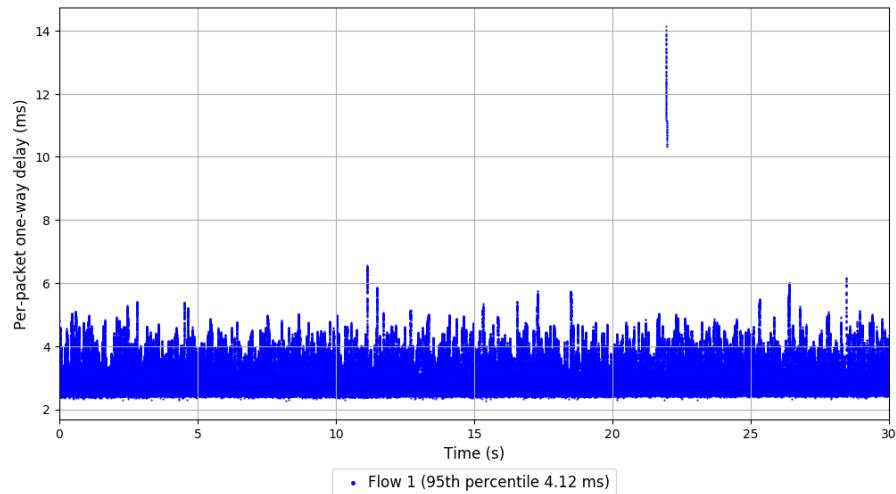
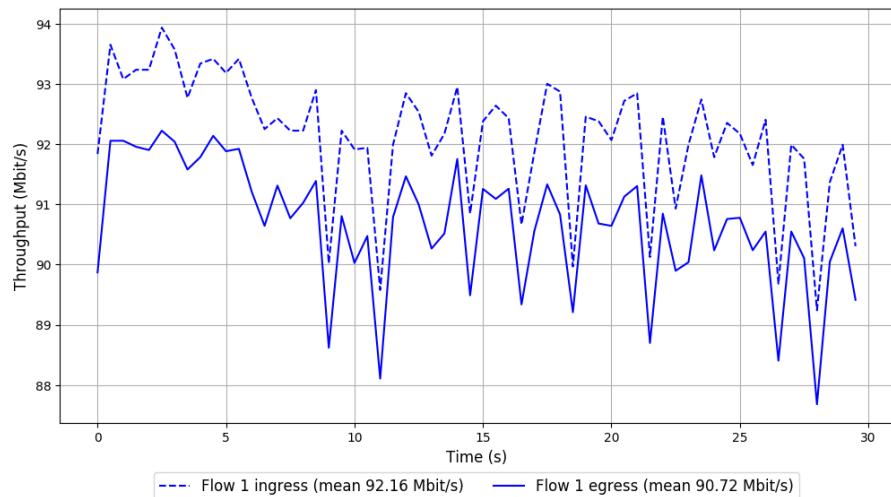


Run 6: Statistics of Copa

```
Start at: 2018-04-24 09:51:04
End at: 2018-04-24 09:51:34
Local clock offset: -9.563 ms
Remote clock offset: -6.705 ms

# Below is generated by plot.py at 2018-04-24 12:10:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.72 Mbit/s
95th percentile per-packet one-way delay: 4.124 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 90.72 Mbit/s
95th percentile per-packet one-way delay: 4.124 ms
Loss rate: 1.56%
```

## Run 6: Report of Copa — Data Link

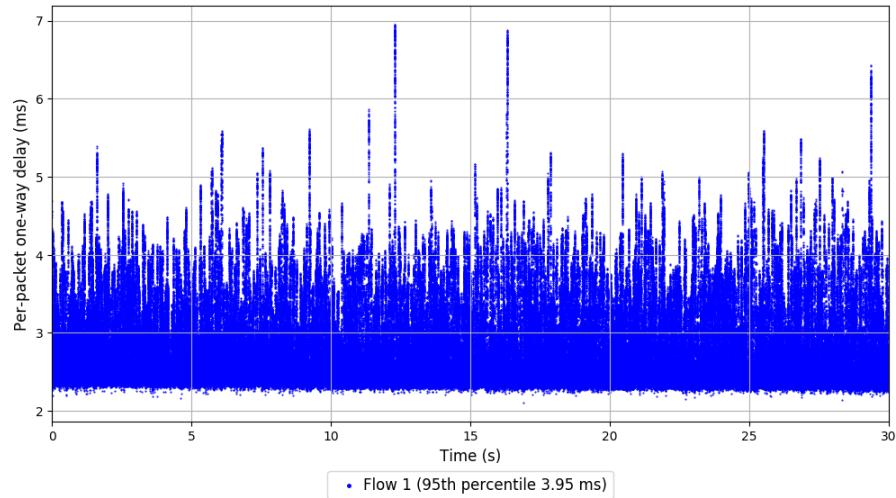
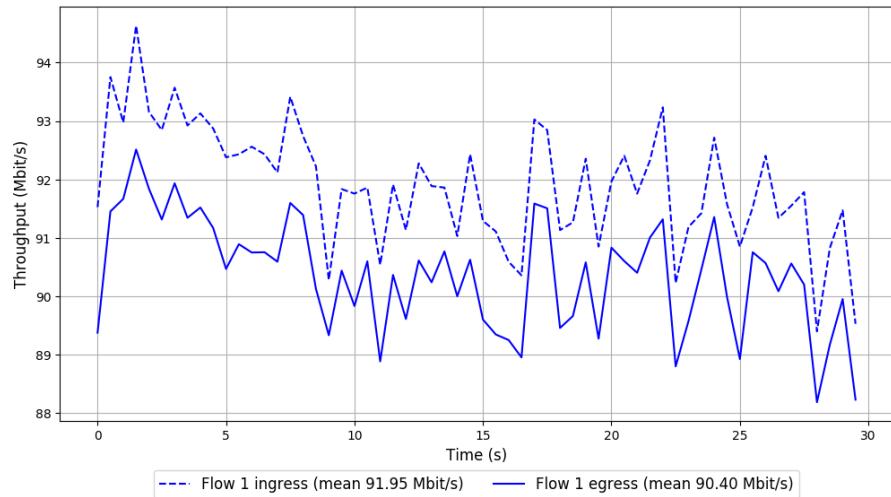


Run 7: Statistics of Copa

```
Start at: 2018-04-24 10:10:07
End at: 2018-04-24 10:10:37
Local clock offset: -10.009 ms
Remote clock offset: -6.756 ms

# Below is generated by plot.py at 2018-04-24 12:10:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 3.949 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 3.949 ms
Loss rate: 1.68%
```

### Run 7: Report of Copa — Data Link

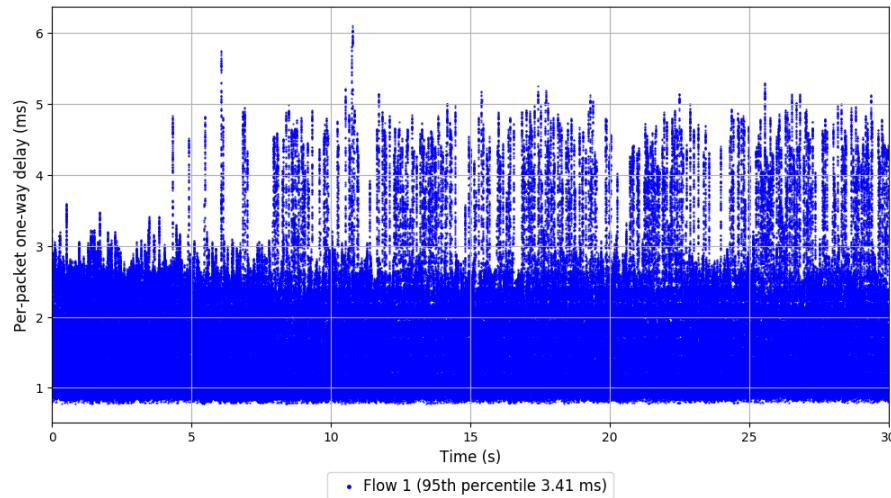
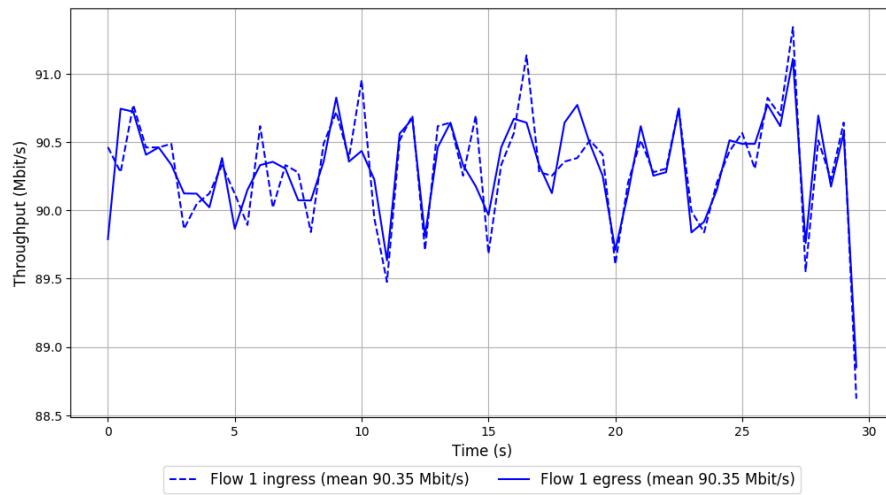


Run 8: Statistics of Copa

```
Start at: 2018-04-24 10:29:01
End at: 2018-04-24 10:29:31
Local clock offset: -8.151 ms
Remote clock offset: -6.698 ms

# Below is generated by plot.py at 2018-04-24 12:10:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 3.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 3.410 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

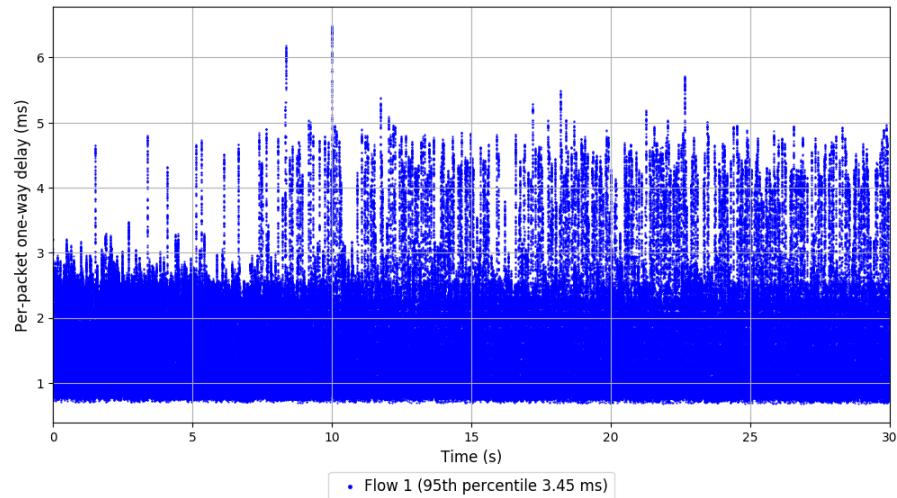
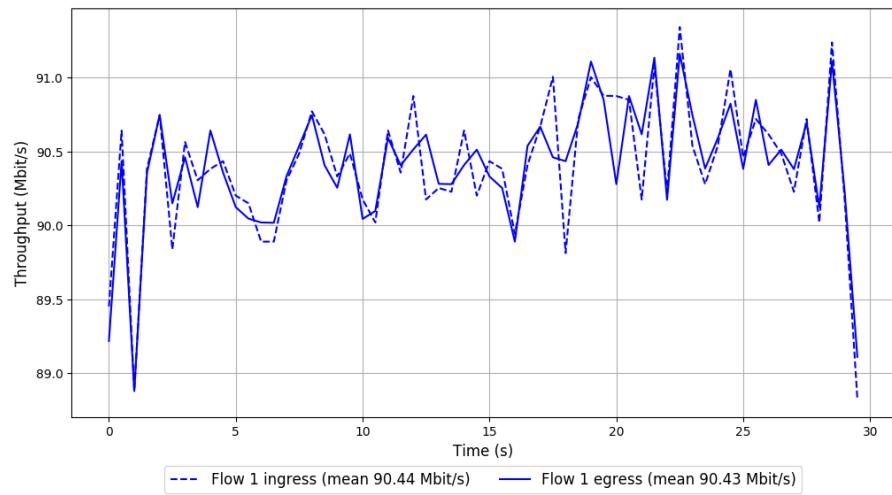


Run 9: Statistics of Copa

```
Start at: 2018-04-24 10:48:02
End at: 2018-04-24 10:48:33
Local clock offset: -8.473 ms
Remote clock offset: -6.657 ms

# Below is generated by plot.py at 2018-04-24 12:12:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 3.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 3.451 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

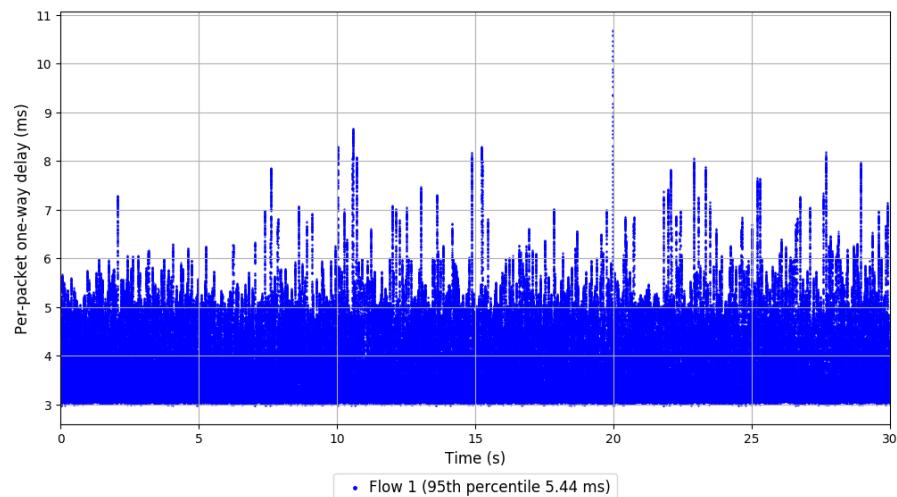
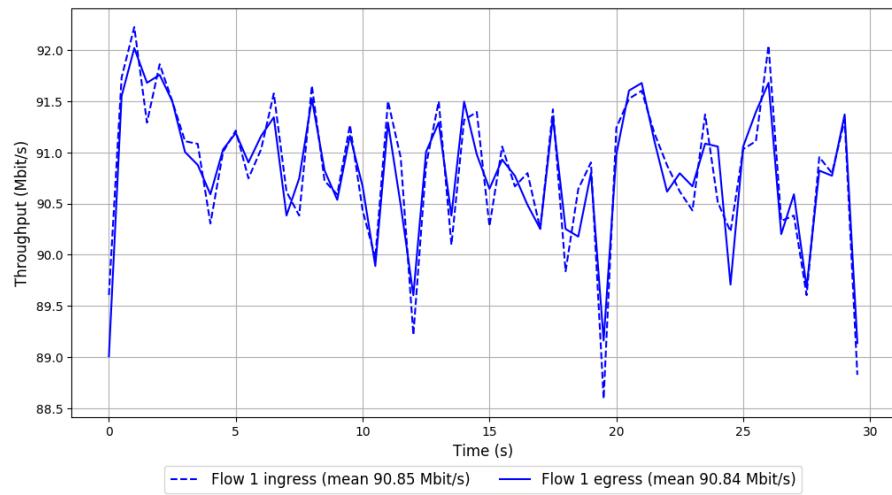


Run 10: Statistics of Copa

```
Start at: 2018-04-24 11:07:05
End at: 2018-04-24 11:07:35
Local clock offset: -7.907 ms
Remote clock offset: -6.702 ms

# Below is generated by plot.py at 2018-04-24 12:12:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 5.443 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 5.443 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link

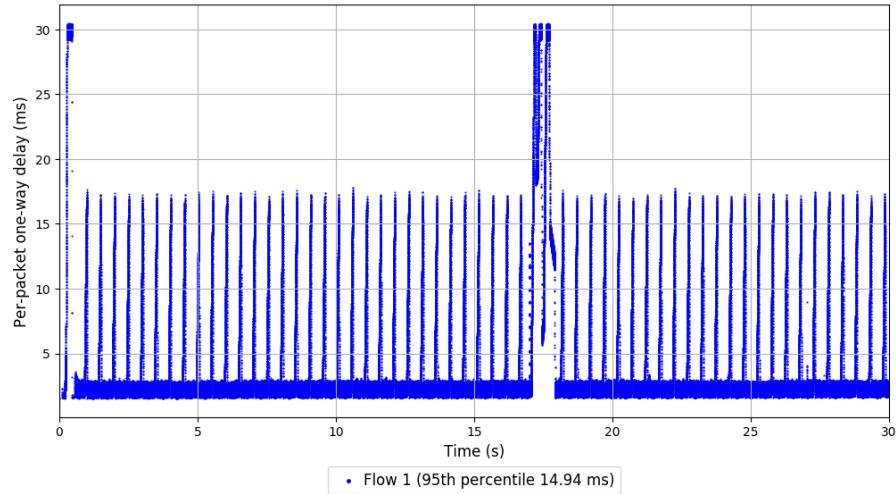
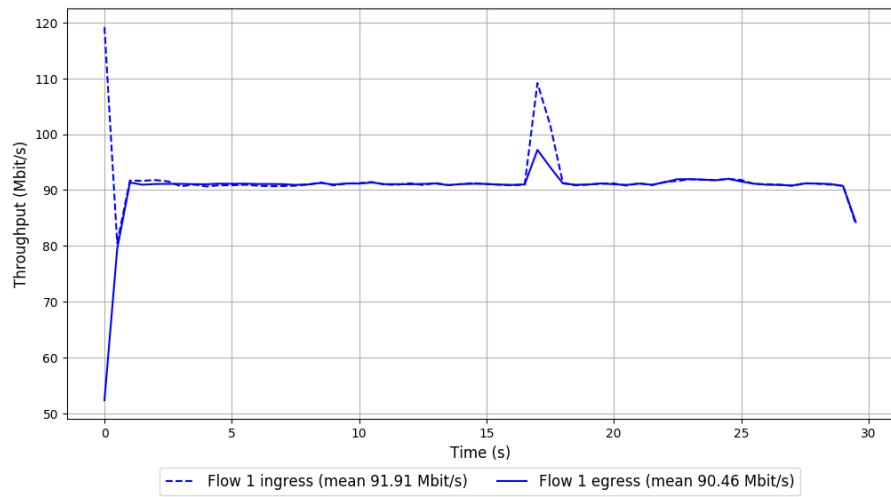


```
Run 1: Statistics of FillP

Start at: 2018-04-24 08:26:11
End at: 2018-04-24 08:26:41
Local clock offset: 3.621 ms
Remote clock offset: -6.748 ms

# Below is generated by plot.py at 2018-04-24 12:12:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 14.941 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 14.941 ms
Loss rate: 1.57%
```

Run 1: Report of FillP — Data Link

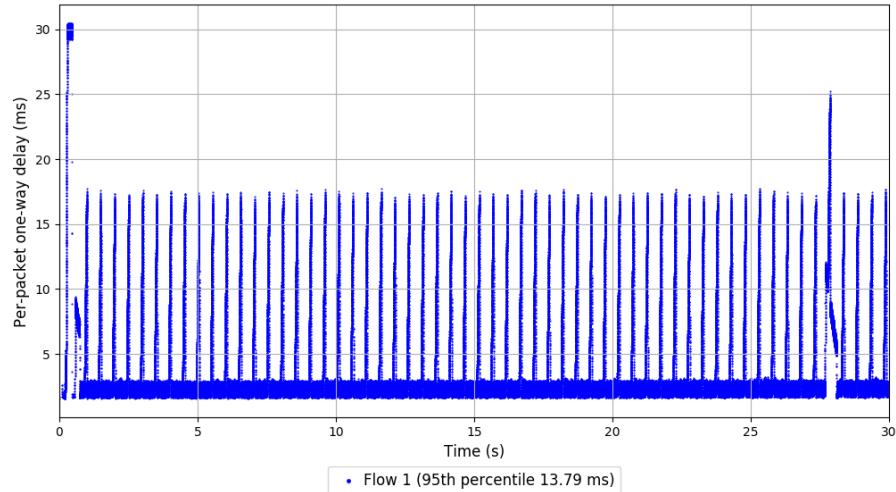
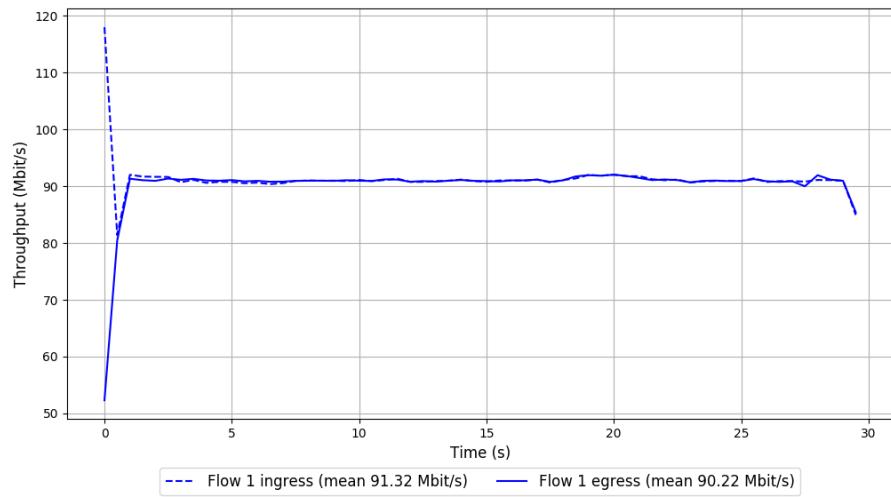


Run 2: Statistics of FillP

```
Start at: 2018-04-24 08:45:12
End at: 2018-04-24 08:45:42
Local clock offset: 5.908 ms
Remote clock offset: -6.579 ms

# Below is generated by plot.py at 2018-04-24 12:12:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 13.795 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 13.795 ms
Loss rate: 1.20%
```

## Run 2: Report of FillP — Data Link

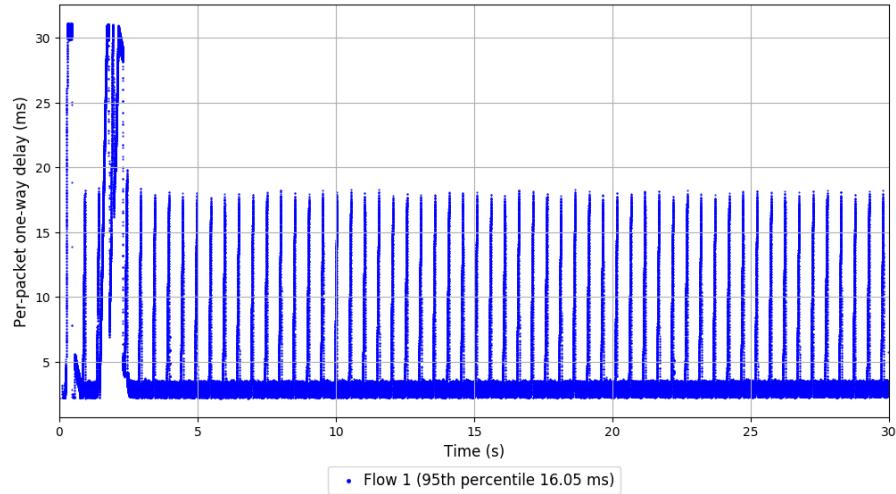
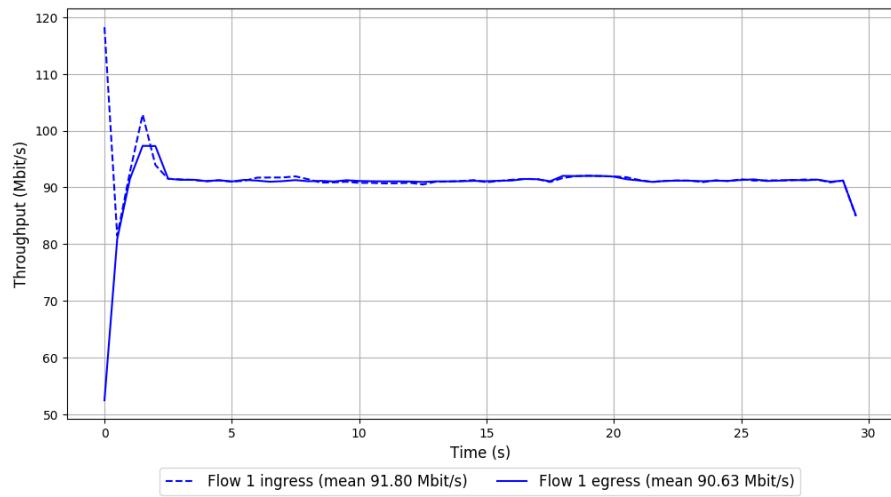


Run 3: Statistics of FillP

```
Start at: 2018-04-24 09:04:10
End at: 2018-04-24 09:04:40
Local clock offset: 8.749 ms
Remote clock offset: -6.676 ms

# Below is generated by plot.py at 2018-04-24 12:12:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 16.047 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 16.047 ms
Loss rate: 1.26%
```

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

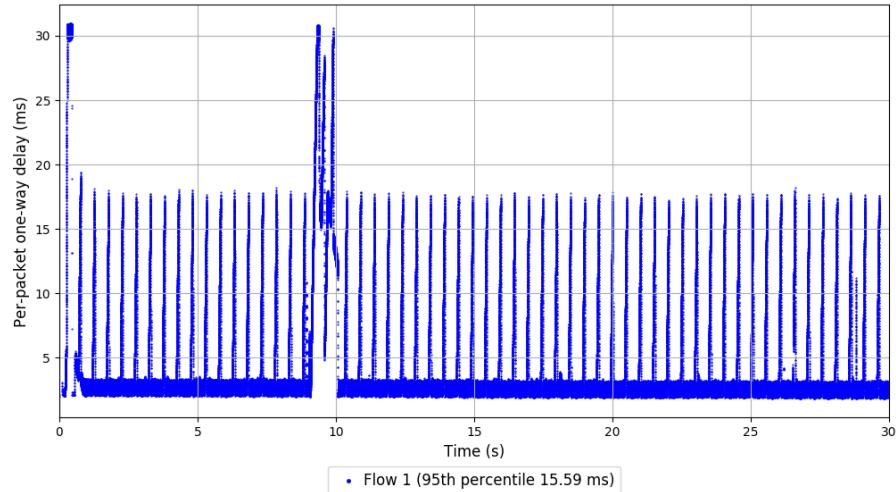
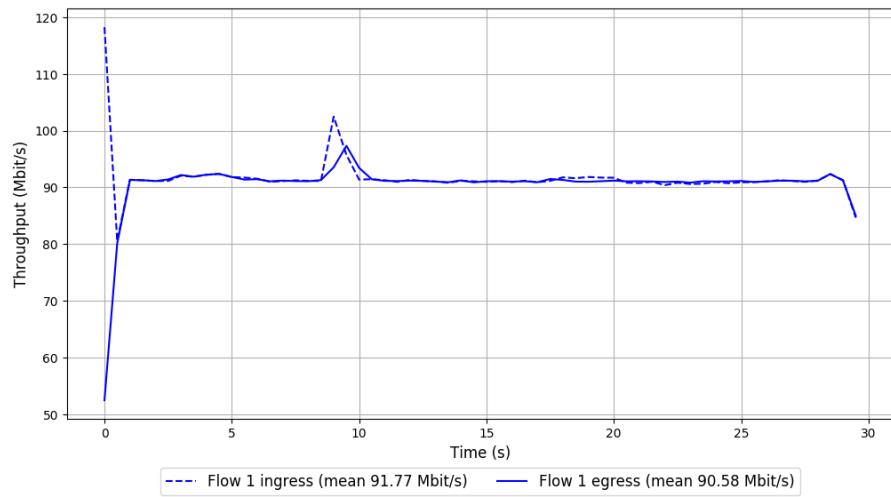


Run 4: Statistics of FillP

```
Start at: 2018-04-24 09:23:09
End at: 2018-04-24 09:23:39
Local clock offset: -7.099 ms
Remote clock offset: -6.645 ms

# Below is generated by plot.py at 2018-04-24 12:12:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 15.585 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 15.585 ms
Loss rate: 1.30%
```

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

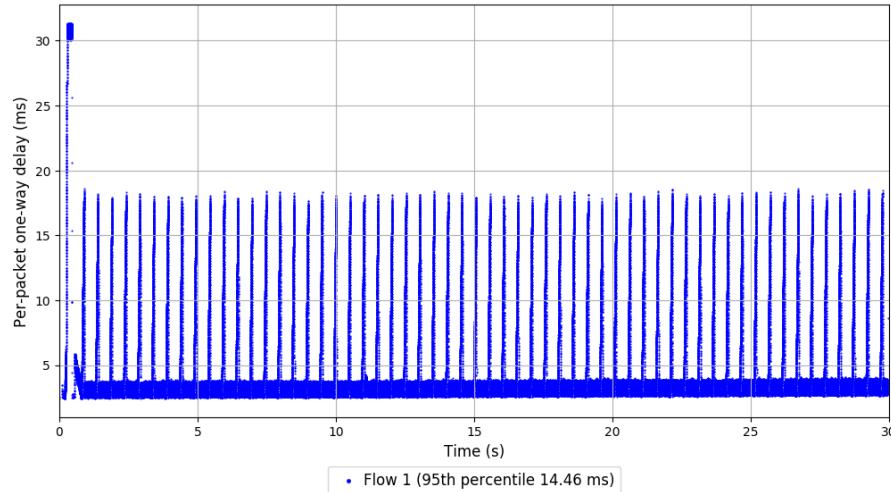
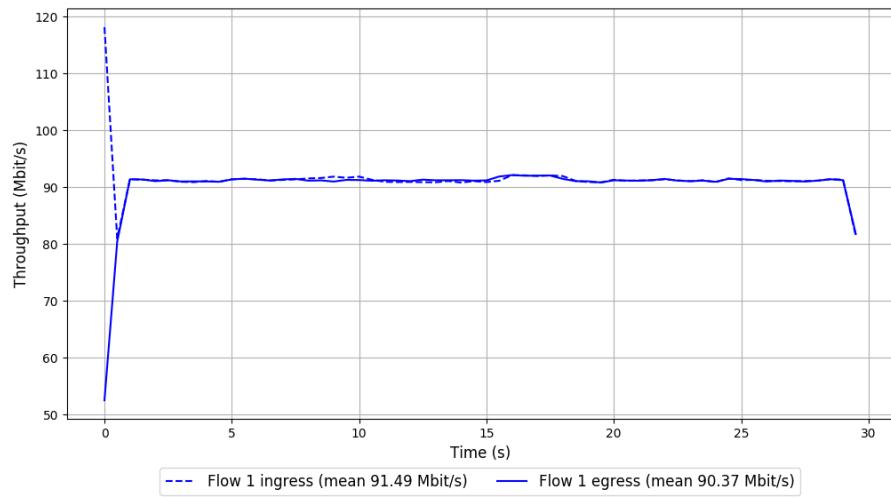


Run 5: Statistics of FillP

```
Start at: 2018-04-24 09:42:13
End at: 2018-04-24 09:42:43
Local clock offset: -11.626 ms
Remote clock offset: -6.686 ms

# Below is generated by plot.py at 2018-04-24 12:12:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 14.459 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 14.459 ms
Loss rate: 1.21%
```

Run 5: Report of FillP — Data Link

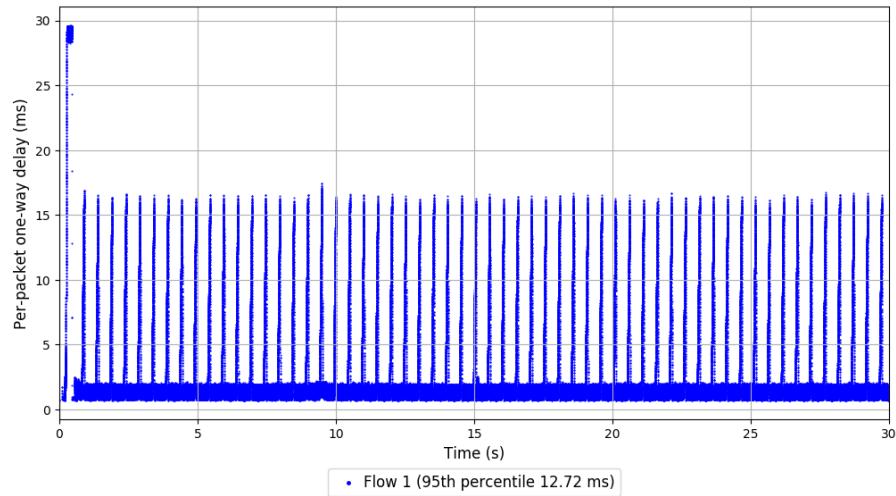
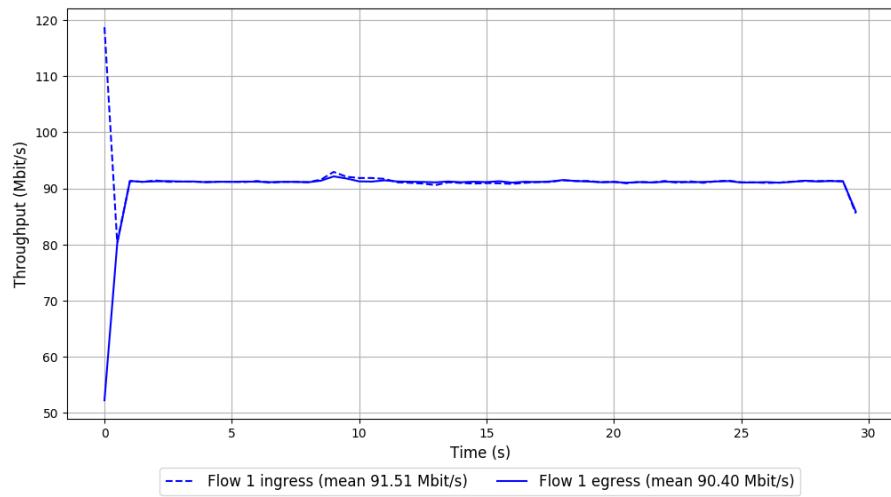


Run 6: Statistics of FillP

```
Start at: 2018-04-24 10:01:11
End at: 2018-04-24 10:01:41
Local clock offset: -9.371 ms
Remote clock offset: -6.725 ms

# Below is generated by plot.py at 2018-04-24 12:12:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 12.725 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 12.725 ms
Loss rate: 1.21%
```

Run 6: Report of FillP — Data Link

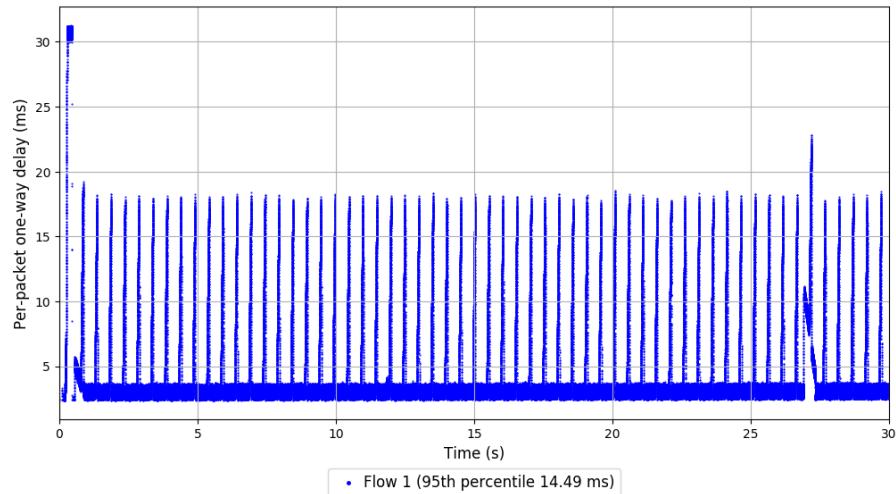
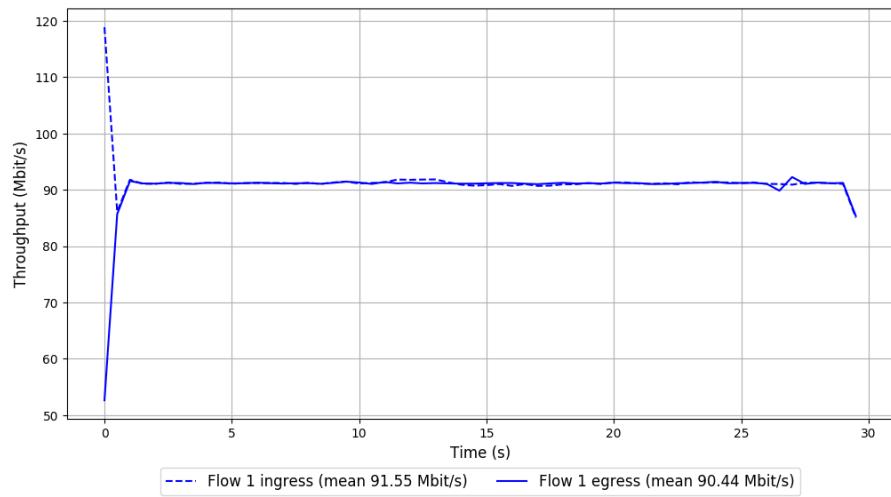


Run 7: Statistics of FillP

```
Start at: 2018-04-24 10:20:07
End at: 2018-04-24 10:20:37
Local clock offset: -9.025 ms
Remote clock offset: -6.7 ms

# Below is generated by plot.py at 2018-04-24 12:13:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 14.492 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 14.492 ms
Loss rate: 1.21%
```

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

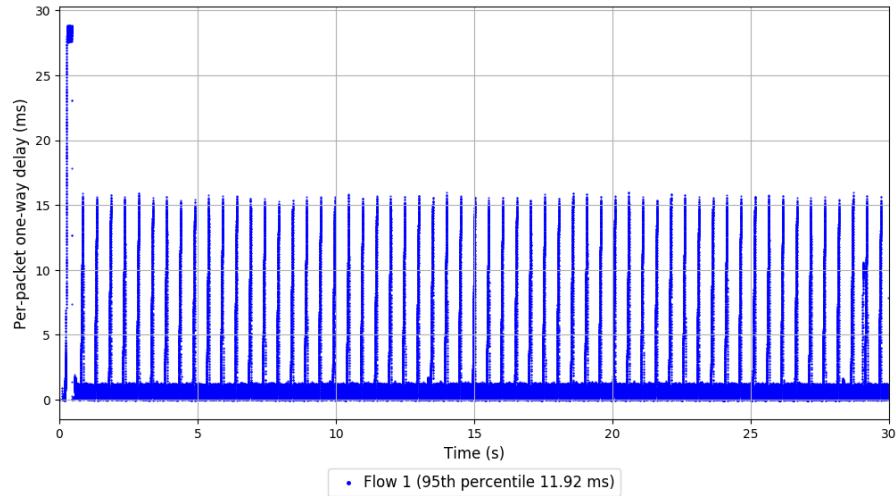
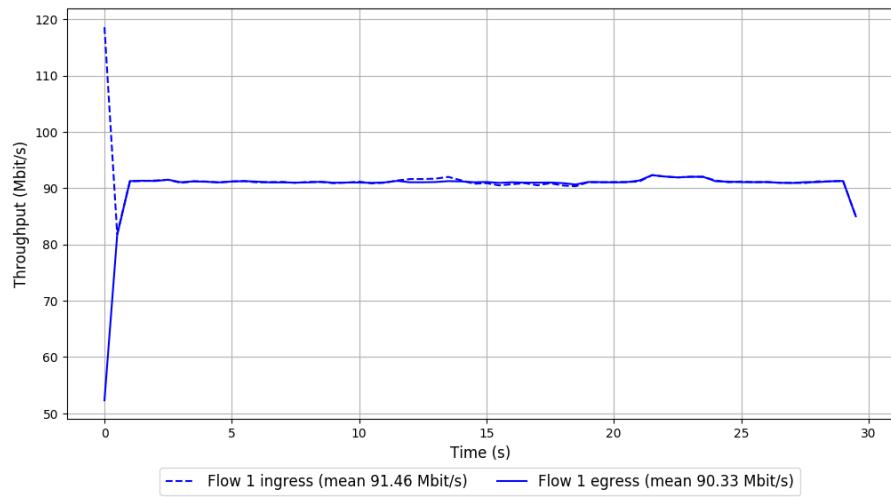


Run 8: Statistics of FillP

```
Start at: 2018-04-24 10:39:07
End at: 2018-04-24 10:39:37
Local clock offset: -7.44 ms
Remote clock offset: -6.766 ms

# Below is generated by plot.py at 2018-04-24 12:13:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 11.923 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 11.923 ms
Loss rate: 1.21%
```

Run 8: Report of FillP — Data Link

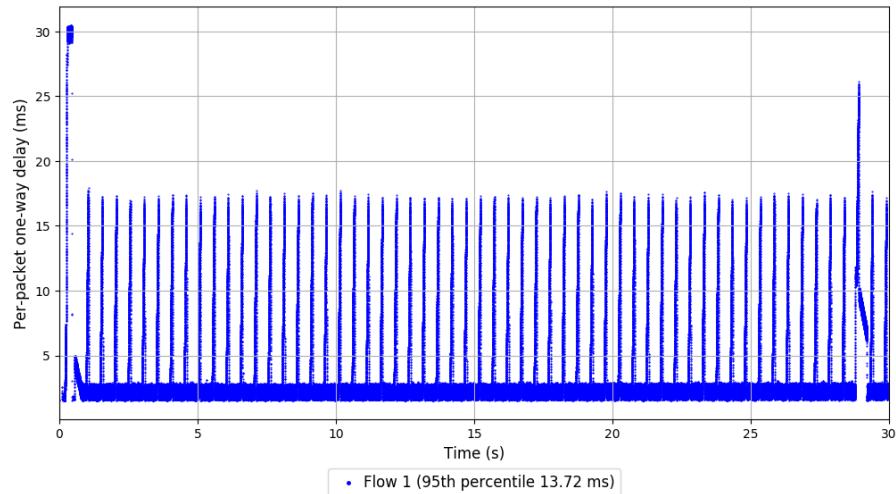
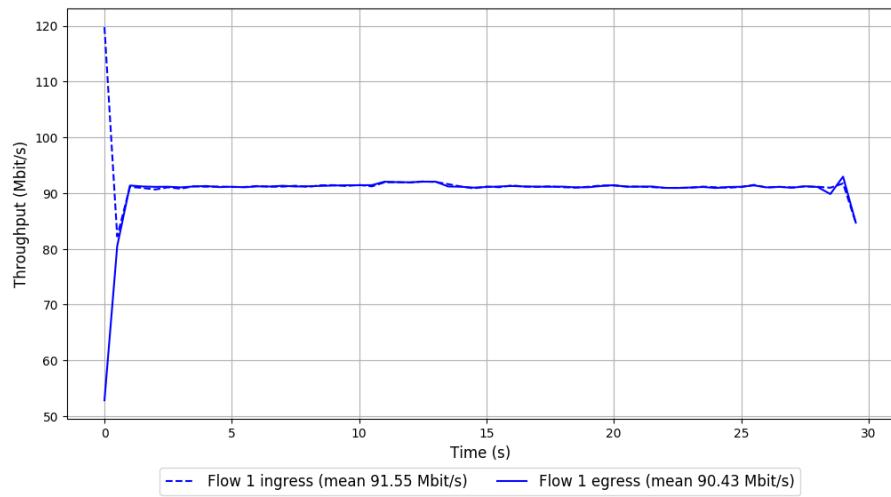


Run 9: Statistics of FillP

```
Start at: 2018-04-24 10:58:09
End at: 2018-04-24 10:58:39
Local clock offset: -6.706 ms
Remote clock offset: -6.599 ms

# Below is generated by plot.py at 2018-04-24 12:13:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 13.721 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 13.721 ms
Loss rate: 1.23%
```

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

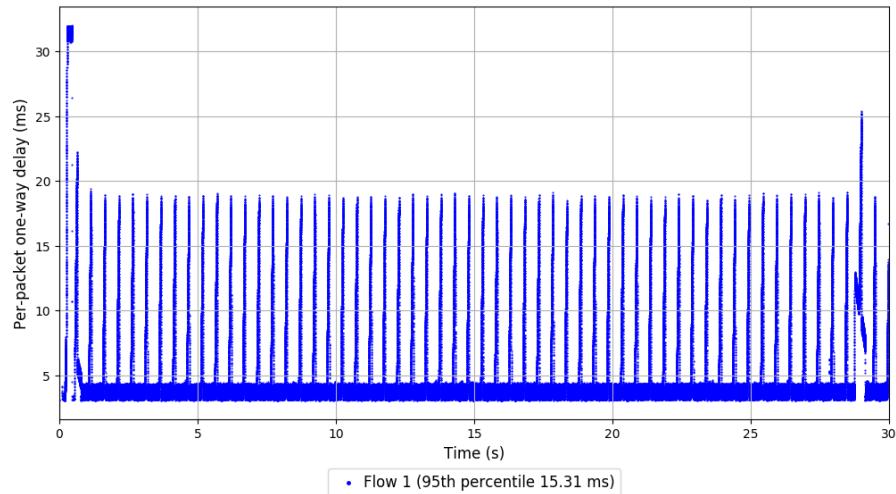
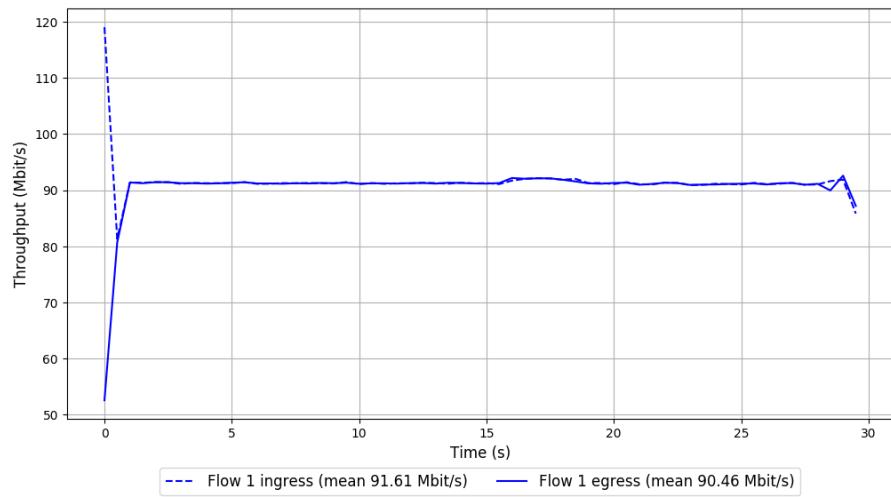


Run 10: Statistics of FillP

```
Start at: 2018-04-24 11:17:12
End at: 2018-04-24 11:17:42
Local clock offset: -7.934 ms
Remote clock offset: -6.717 ms

# Below is generated by plot.py at 2018-04-24 12:13:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 15.313 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 15.313 ms
Loss rate: 1.21%
```

Run 10: Report of FillP — Data Link

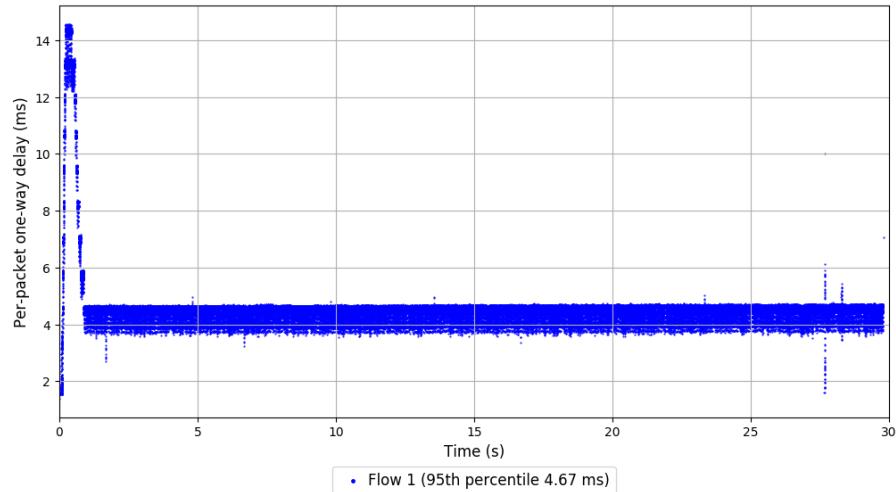
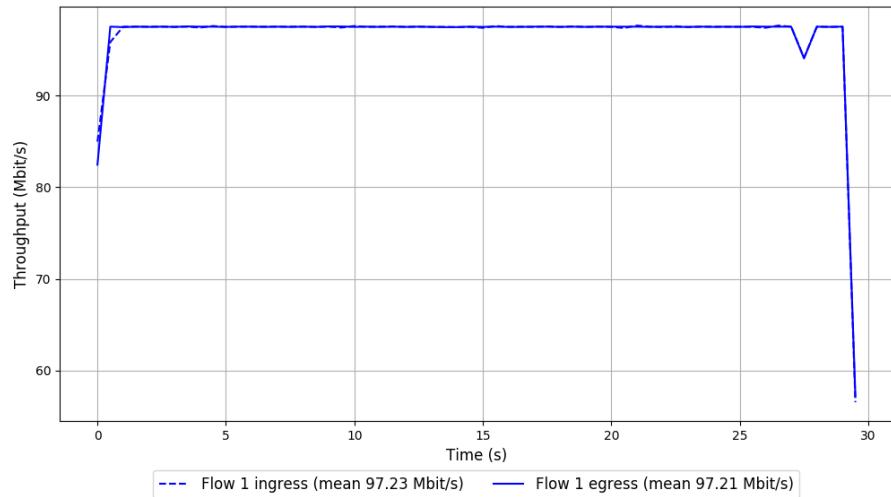


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-04-24 08:30:36
End at: 2018-04-24 08:31:06
Local clock offset: 5.738 ms
Remote clock offset: -6.686 ms

# Below is generated by plot.py at 2018-04-24 12:13:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 4.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 4.670 ms
Loss rate: 0.00%
```

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

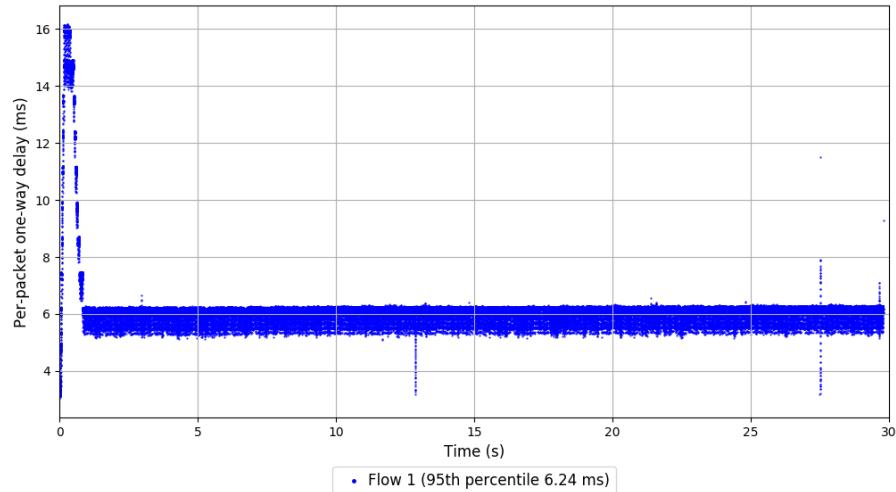
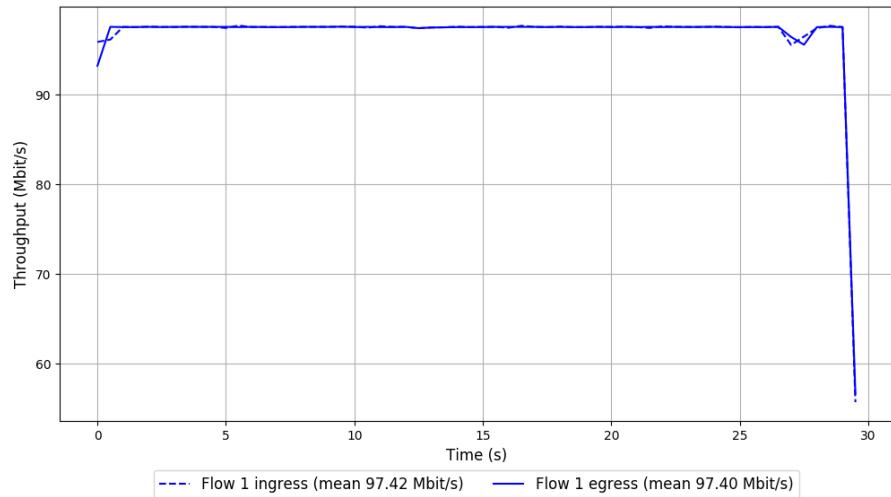


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-04-24 08:49:38
End at: 2018-04-24 08:50:08
Local clock offset: 6.409 ms
Remote clock offset: -6.589 ms

# Below is generated by plot.py at 2018-04-24 12:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 6.240 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 6.240 ms
Loss rate: 0.01%
```

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

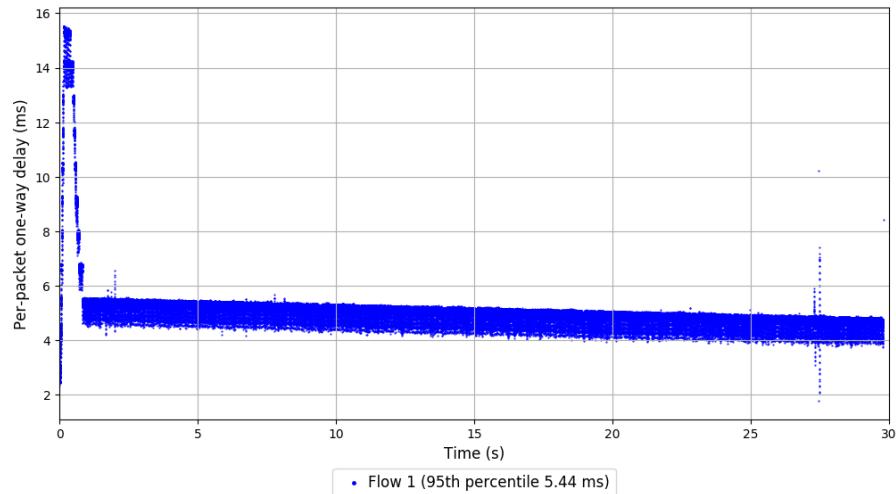
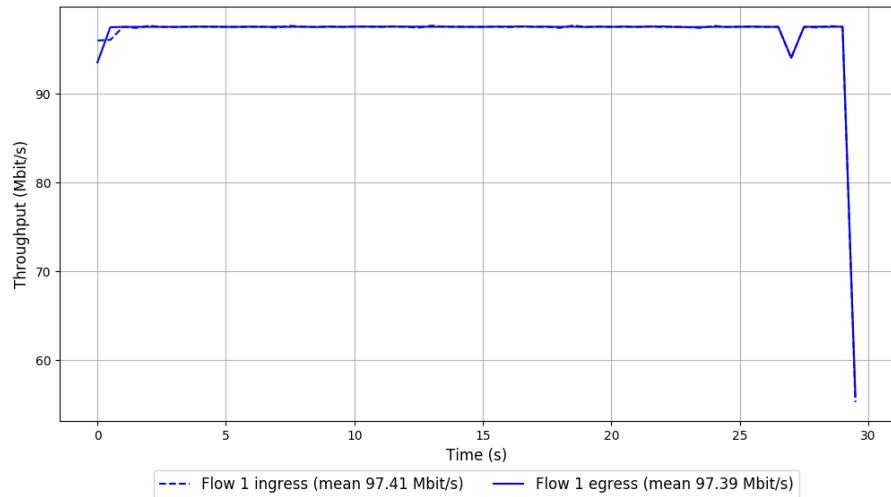


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-04-24 09:08:35
End at: 2018-04-24 09:09:05
Local clock offset: 4.829 ms
Remote clock offset: -6.604 ms

# Below is generated by plot.py at 2018-04-24 12:13:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.437 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.437 ms
Loss rate: 0.00%
```

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

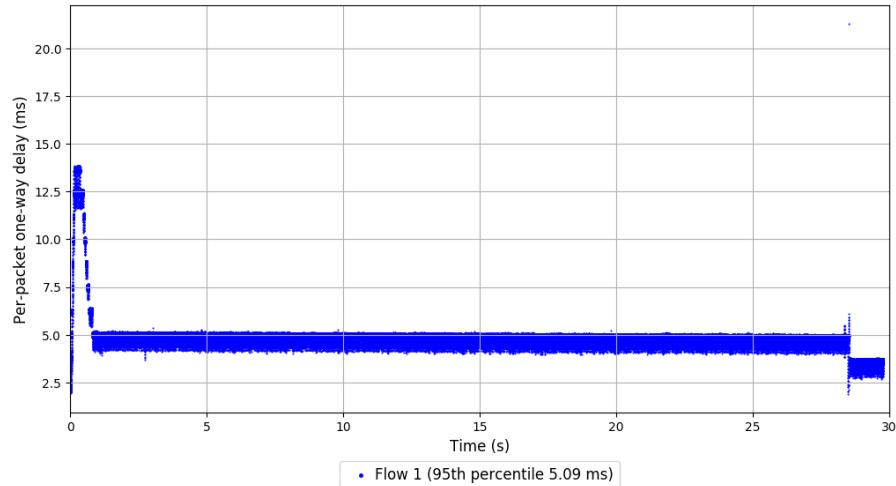
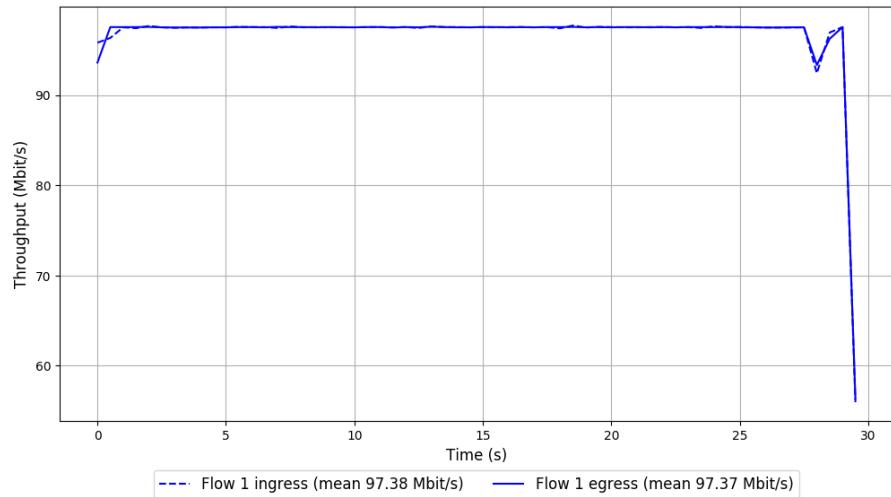


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-04-24 09:27:36
End at: 2018-04-24 09:28:06
Local clock offset: -8.779 ms
Remote clock offset: -6.716 ms

# Below is generated by plot.py at 2018-04-24 12:13:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.091 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.091 ms
Loss rate: 0.01%
```

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

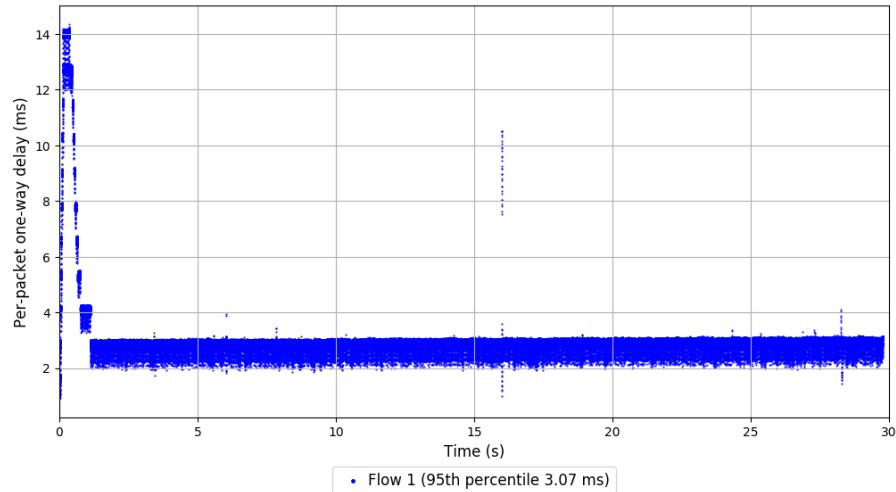
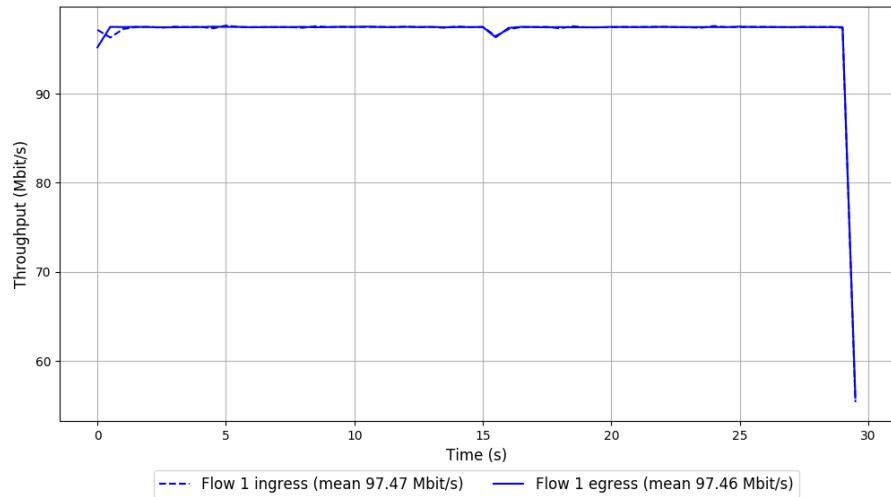


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-04-24 09:46:35
End at: 2018-04-24 09:47:05
Local clock offset: -10.189 ms
Remote clock offset: -6.694 ms

# Below is generated by plot.py at 2018-04-24 12:14:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 3.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 3.070 ms
Loss rate: 0.00%
```

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

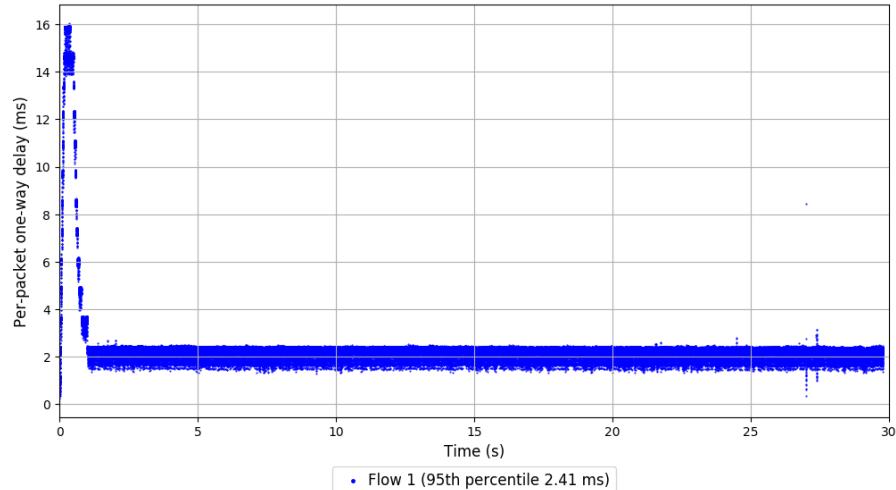
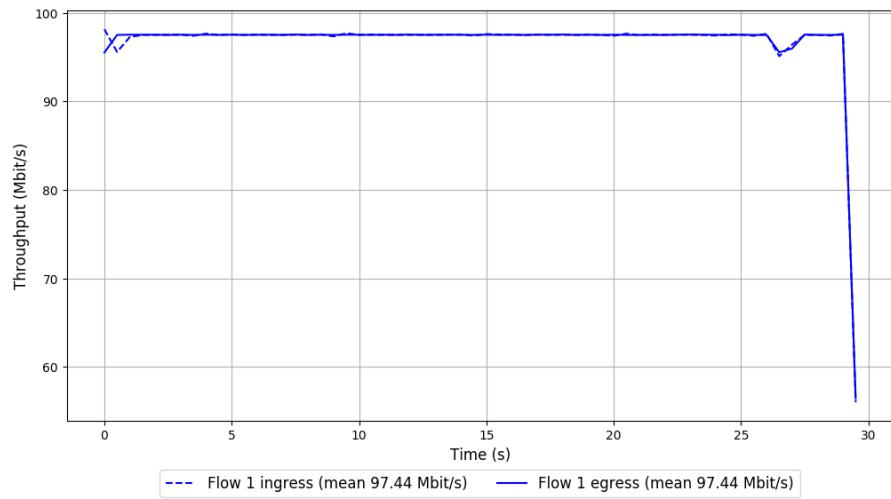


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-04-24 10:05:36
End at: 2018-04-24 10:06:06
Local clock offset: -9.196 ms
Remote clock offset: -6.765 ms

# Below is generated by plot.py at 2018-04-24 12:14:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.00%
```

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

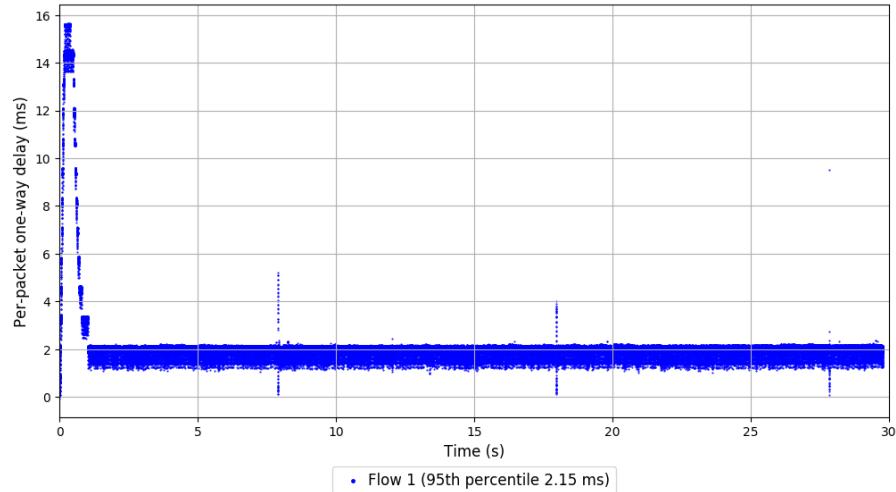
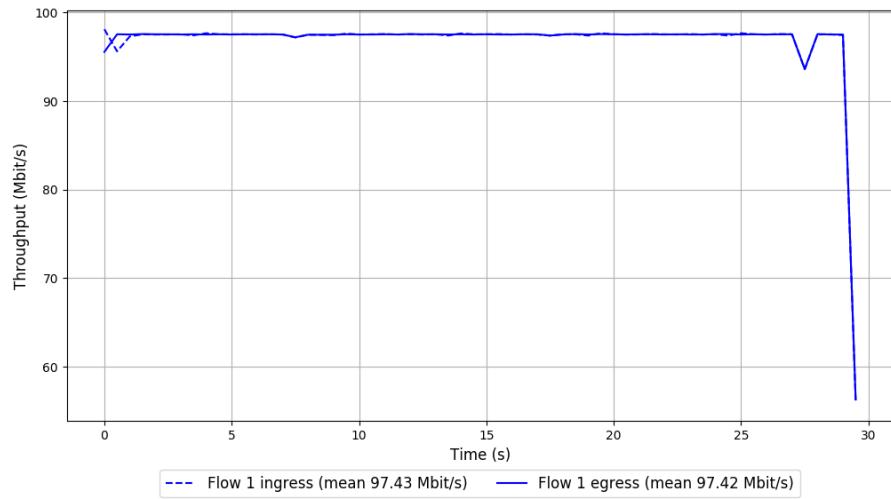


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-04-24 10:24:32
End at: 2018-04-24 10:25:02
Local clock offset: -7.682 ms
Remote clock offset: -6.754 ms

# Below is generated by plot.py at 2018-04-24 12:14:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 2.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 2.151 ms
Loss rate: 0.00%
```

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

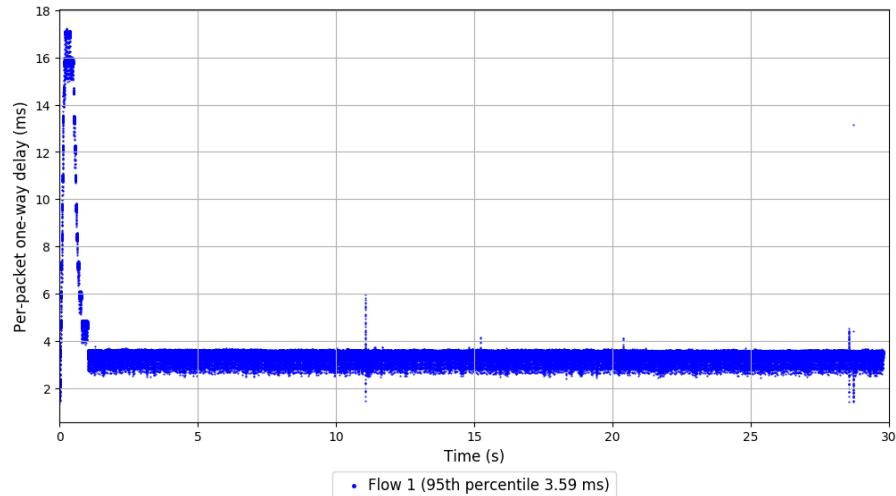
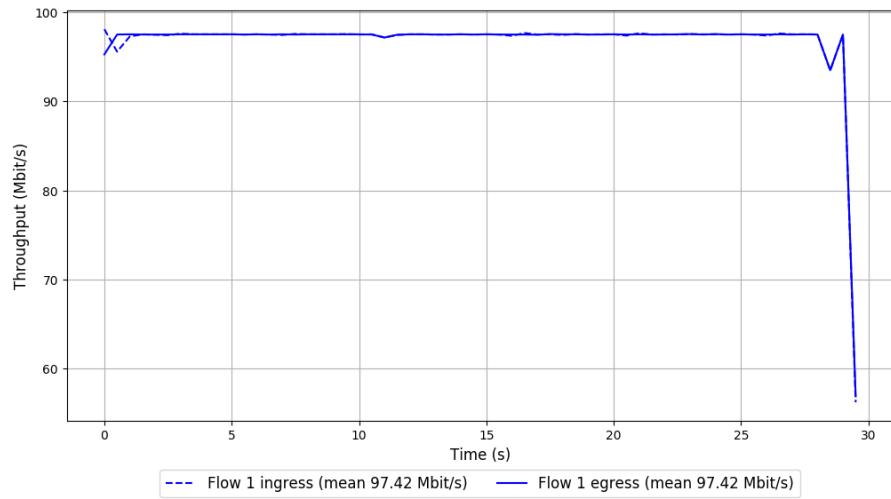


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-04-24 10:43:34
End at: 2018-04-24 10:44:04
Local clock offset: -9.099 ms
Remote clock offset: -6.709 ms

# Below is generated by plot.py at 2018-04-24 12:14:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 3.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 3.594 ms
Loss rate: 0.00%
```

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

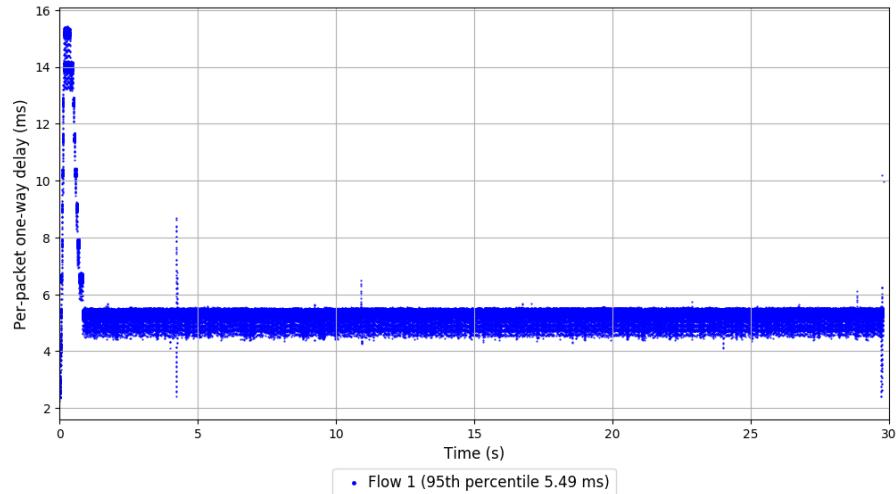
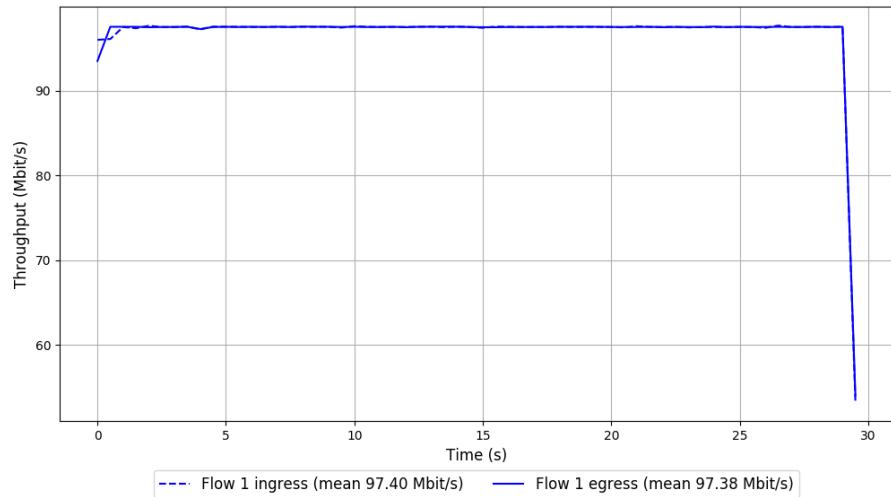


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-04-24 11:02:34
End at: 2018-04-24 11:03:04
Local clock offset: -7.318 ms
Remote clock offset: -6.61 ms

# Below is generated by plot.py at 2018-04-24 12:14:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.485 ms
Loss rate: 0.00%
```

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

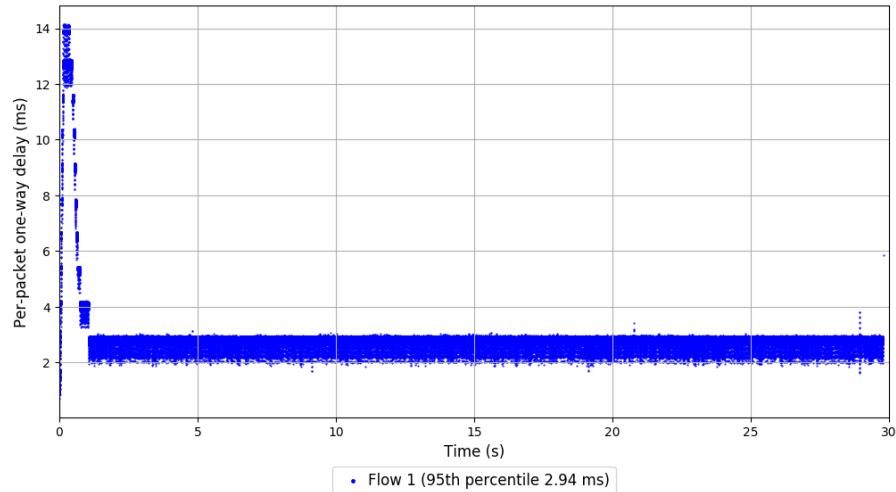
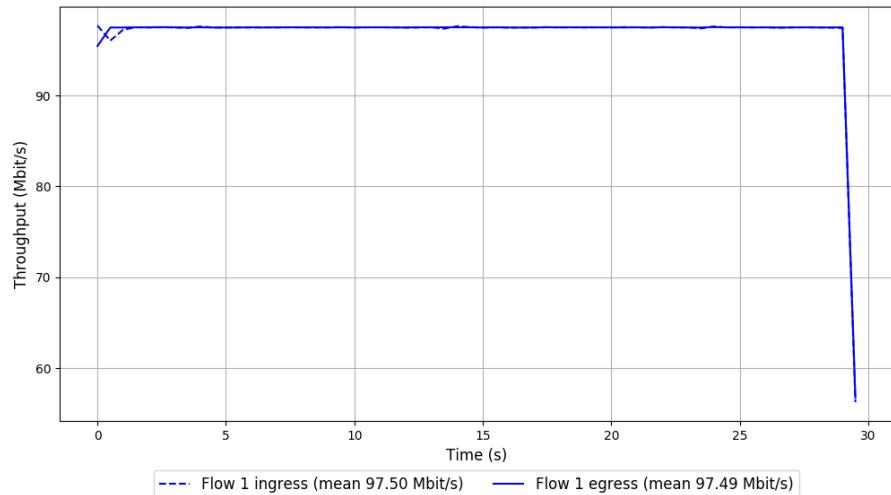


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-04-24 11:21:37
End at: 2018-04-24 11:22:07
Local clock offset: -7.128 ms
Remote clock offset: -6.723 ms

# Below is generated by plot.py at 2018-04-24 12:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 2.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 2.936 ms
Loss rate: 0.00%
```

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

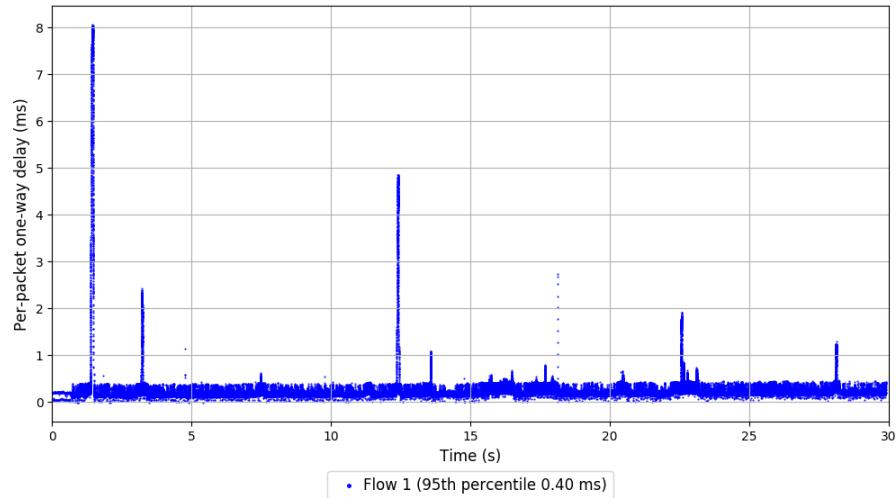
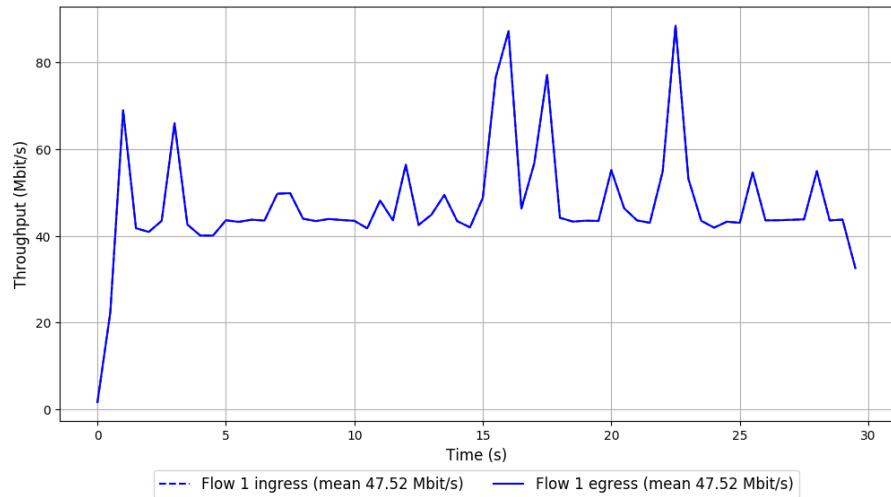


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-04-24 08:33:58
End at: 2018-04-24 08:34:28
Local clock offset: 6.154 ms
Remote clock offset: -6.594 ms

# Below is generated by plot.py at 2018-04-24 12:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 0.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 0.398 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

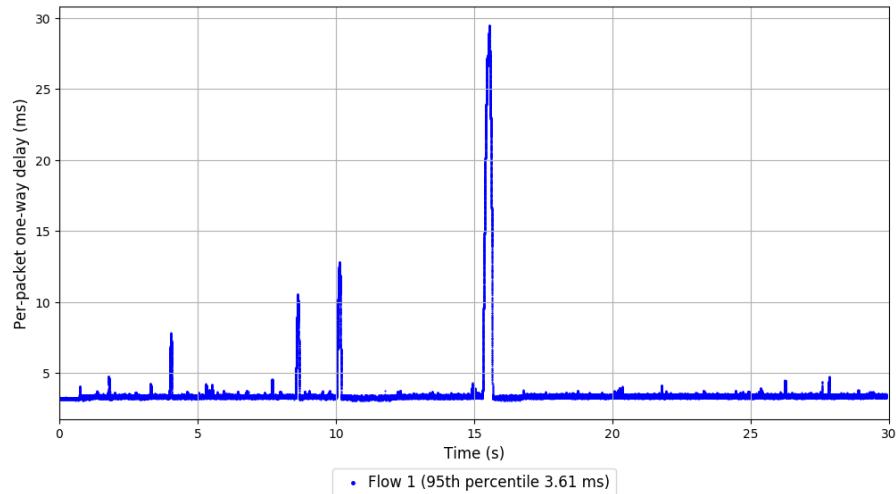
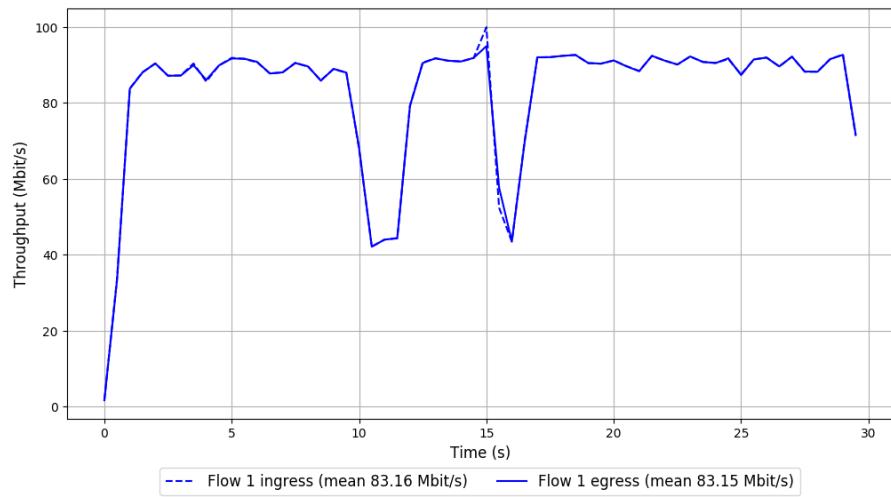


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-04-24 08:53:00
End at: 2018-04-24 08:53:30
Local clock offset: 6.71 ms
Remote clock offset: -6.578 ms

# Below is generated by plot.py at 2018-04-24 12:15:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 3.612 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 3.612 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Vivace — Data Link

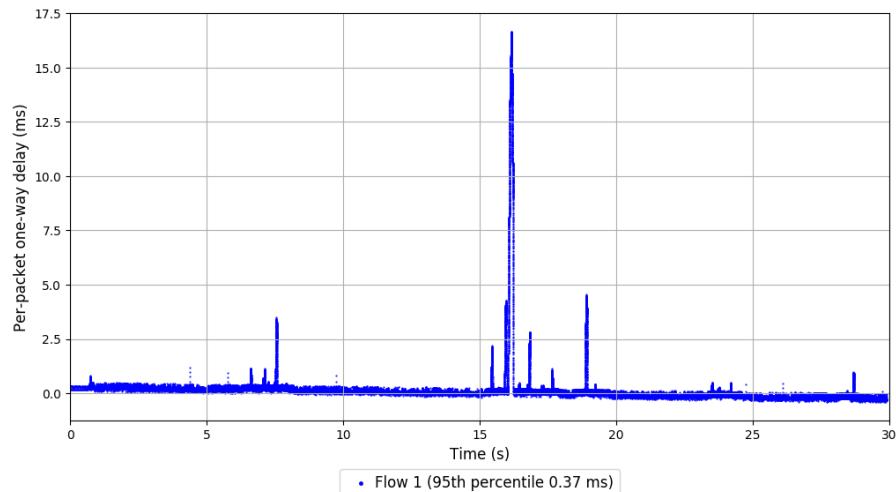
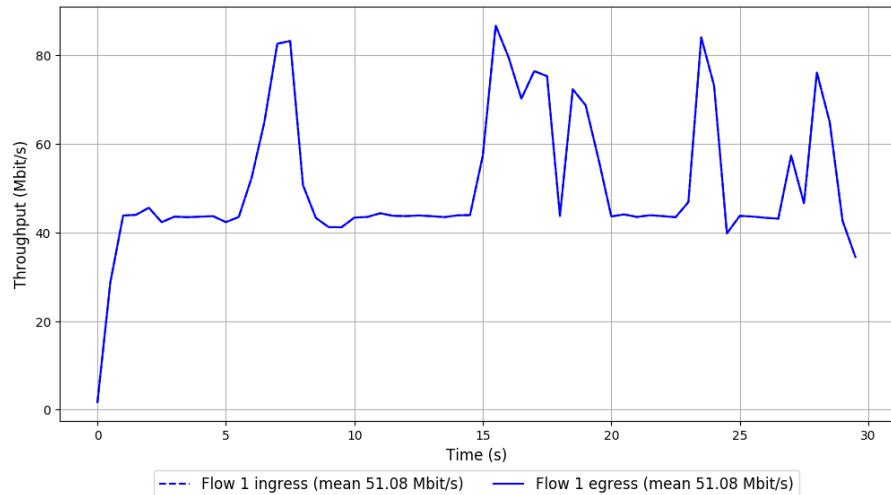


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-04-24 09:11:57
End at: 2018-04-24 09:12:27
Local clock offset: 1.099 ms
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-04-24 12:15:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.08 Mbit/s
95th percentile per-packet one-way delay: 0.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.08 Mbit/s
95th percentile per-packet one-way delay: 0.372 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

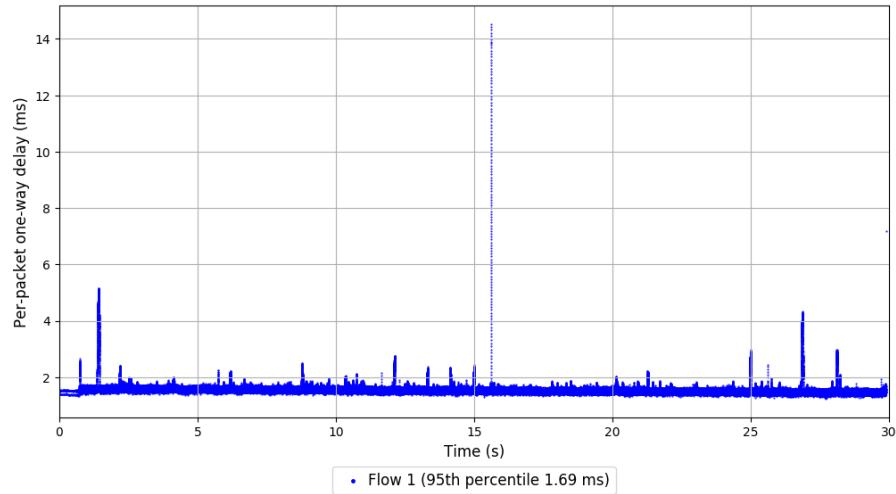
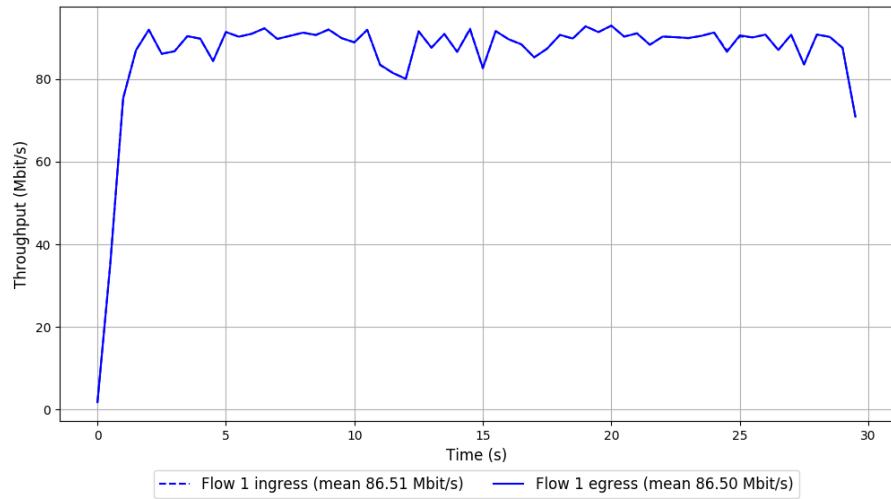


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-04-24 09:30:58
End at: 2018-04-24 09:31:28
Local clock offset: -9.171 ms
Remote clock offset: -6.658 ms

# Below is generated by plot.py at 2018-04-24 12:15:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 1.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 1.687 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

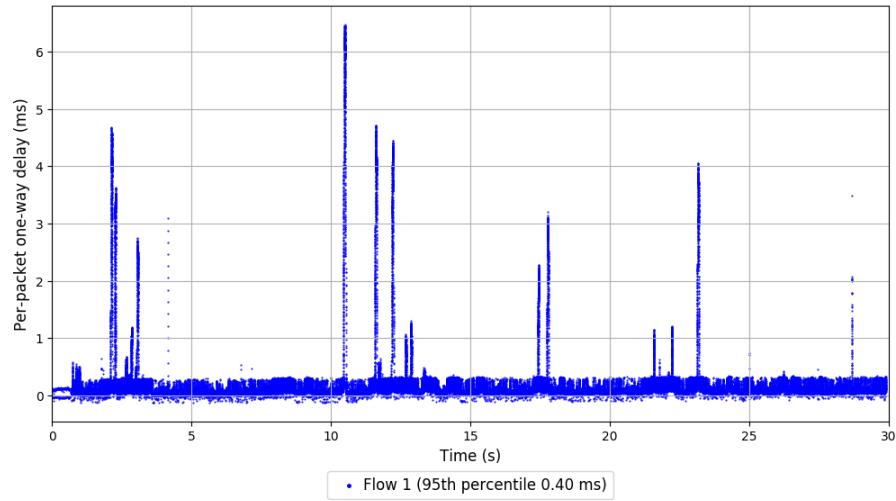
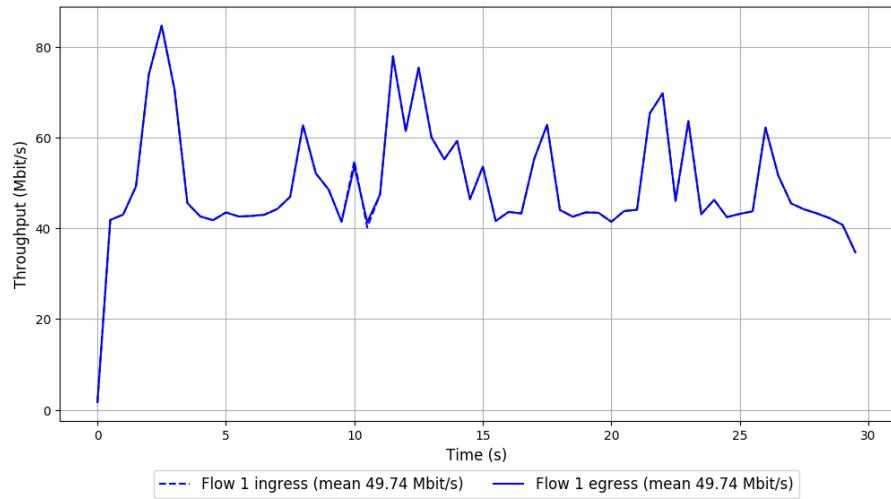


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-04-24 09:49:57
End at: 2018-04-24 09:50:27
Local clock offset: -8.886 ms
Remote clock offset: -6.752 ms

# Below is generated by plot.py at 2018-04-24 12:15:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 0.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 0.403 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

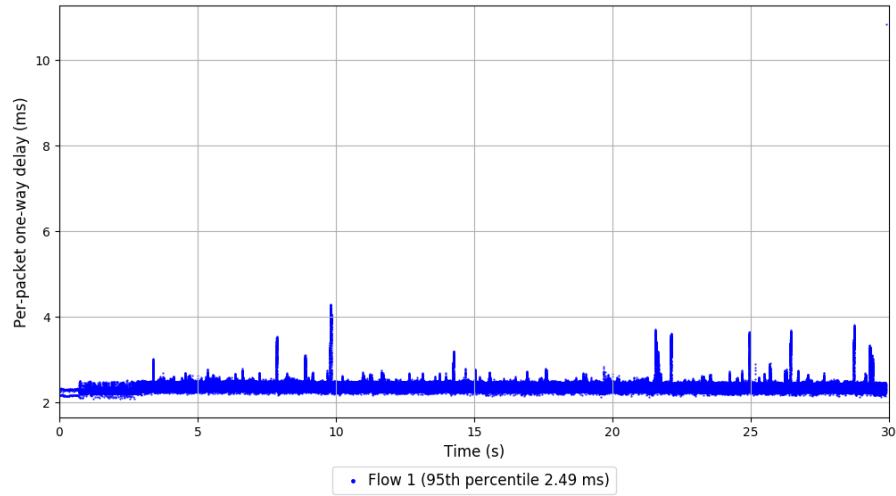
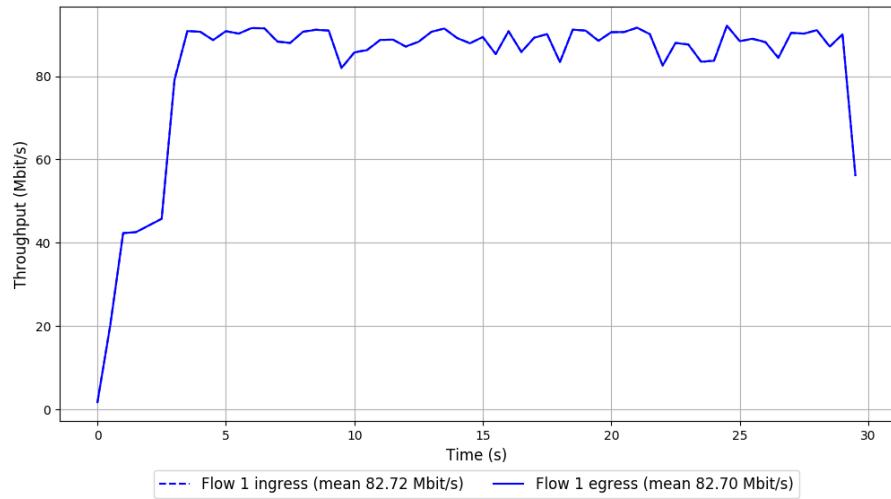


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-04-24 10:08:58
End at: 2018-04-24 10:09:28
Local clock offset: -9.841 ms
Remote clock offset: -6.716 ms

# Below is generated by plot.py at 2018-04-24 12:15:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 2.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 2.489 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

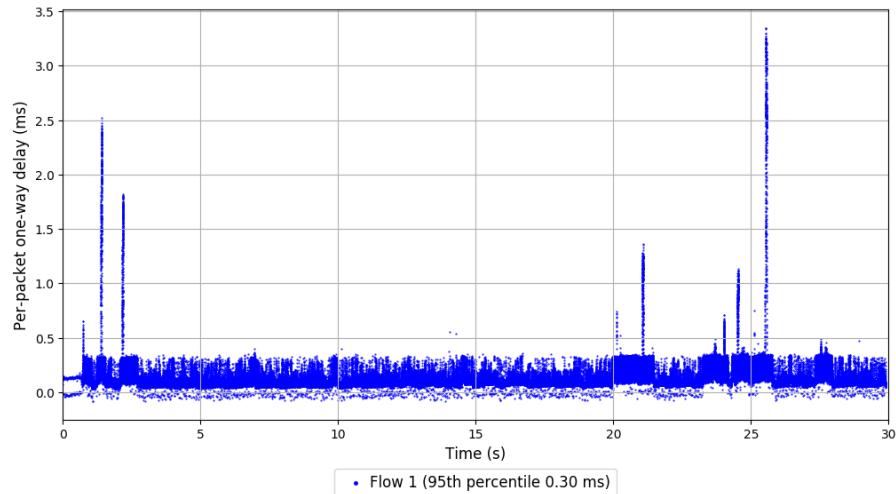
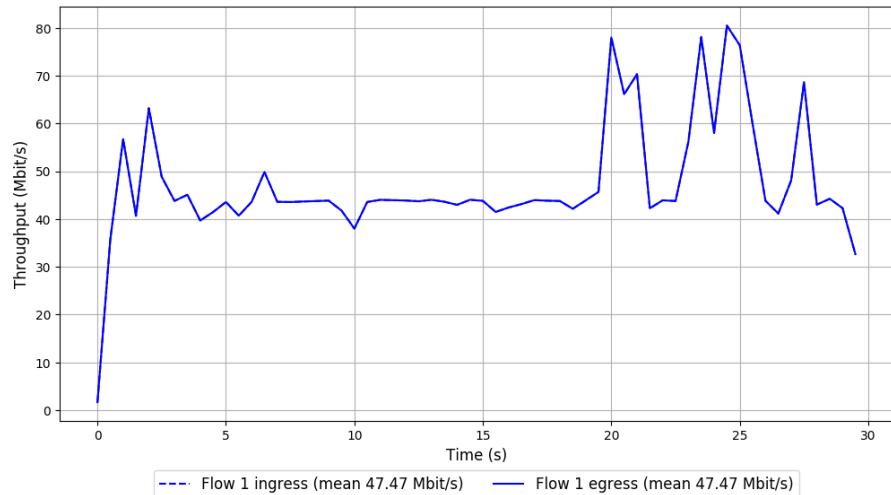


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-04-24 10:27:54
End at: 2018-04-24 10:28:24
Local clock offset: -7.461 ms
Remote clock offset: -6.705 ms

# Below is generated by plot.py at 2018-04-24 12:15:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 0.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 0.301 ms
Loss rate: 0.00%
```

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

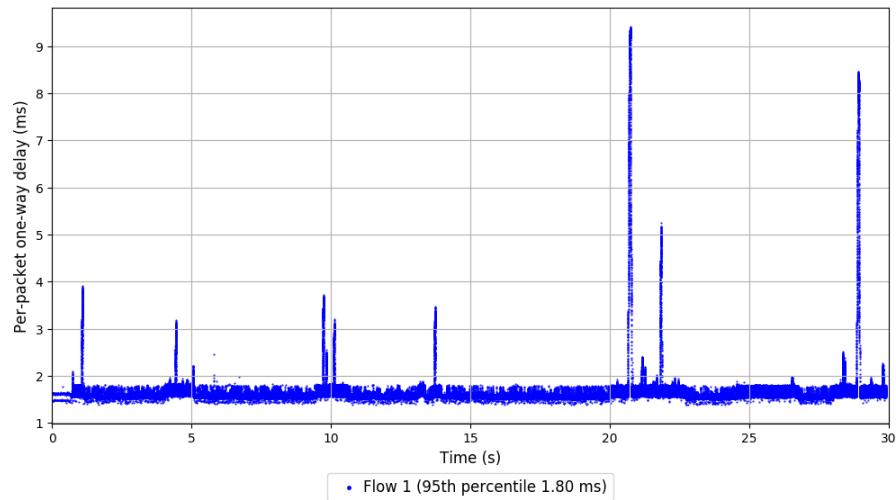
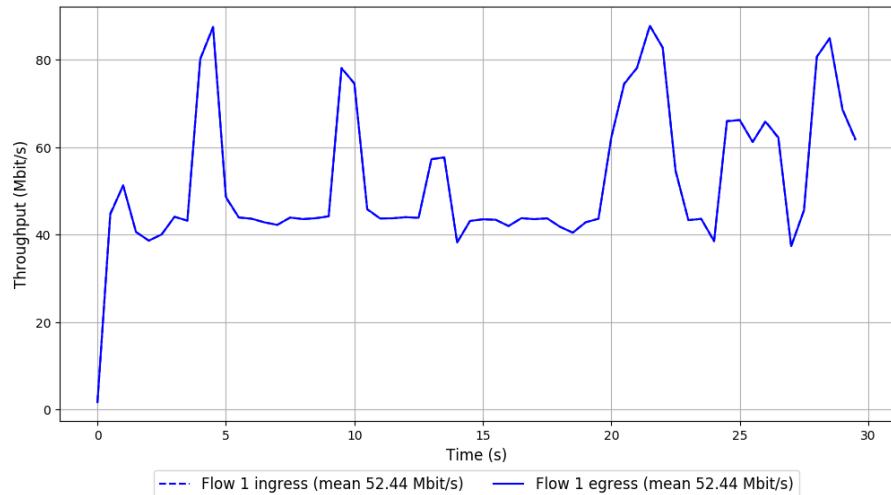


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-04-24 10:46:56
End at: 2018-04-24 10:47:26
Local clock offset: -9.263 ms
Remote clock offset: -6.673 ms

# Below is generated by plot.py at 2018-04-24 12:15:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 1.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 1.801 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

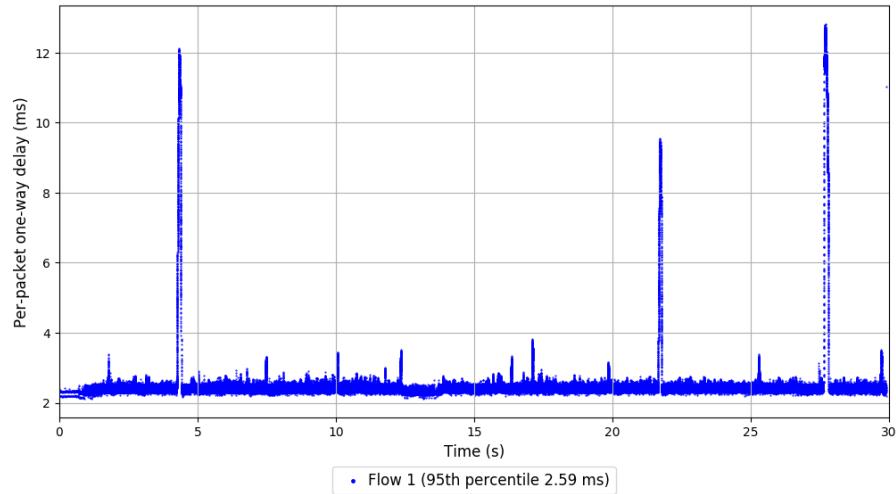
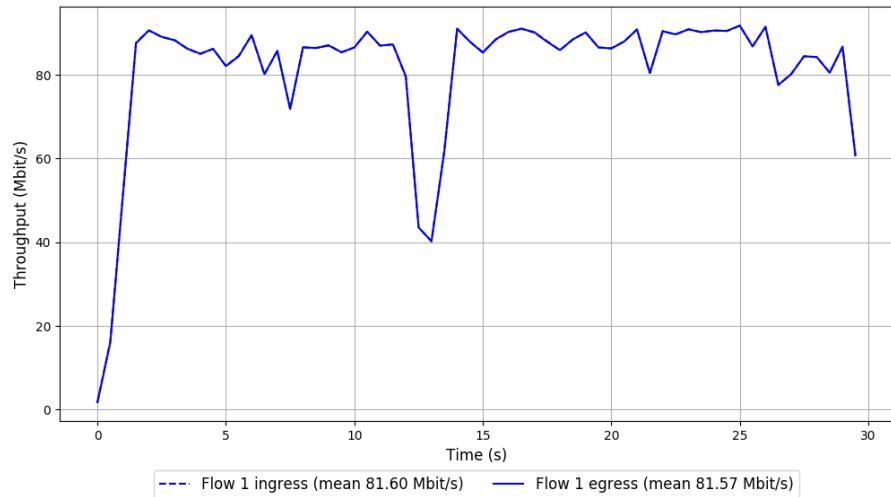


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-04-24 11:05:56
End at: 2018-04-24 11:06:26
Local clock offset: -7.127 ms
Remote clock offset: -6.63 ms

# Below is generated by plot.py at 2018-04-24 12:15:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.01%
```

Run 9: Report of PCC-Vivace — Data Link

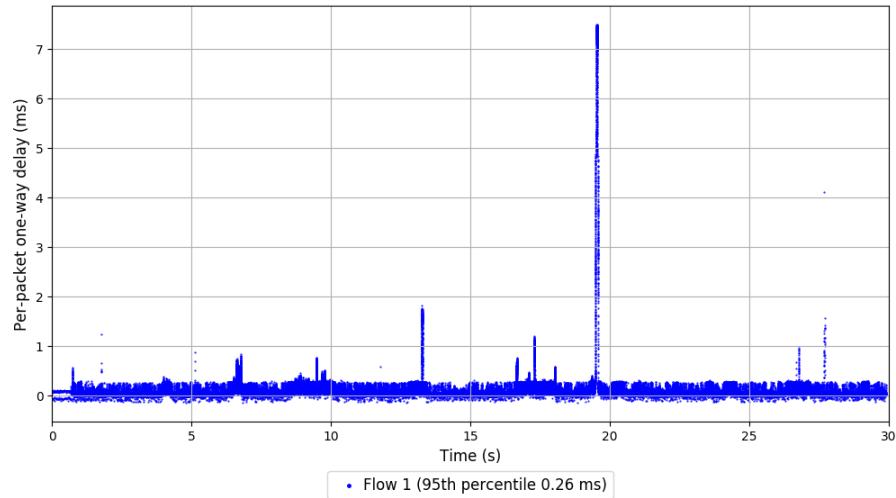
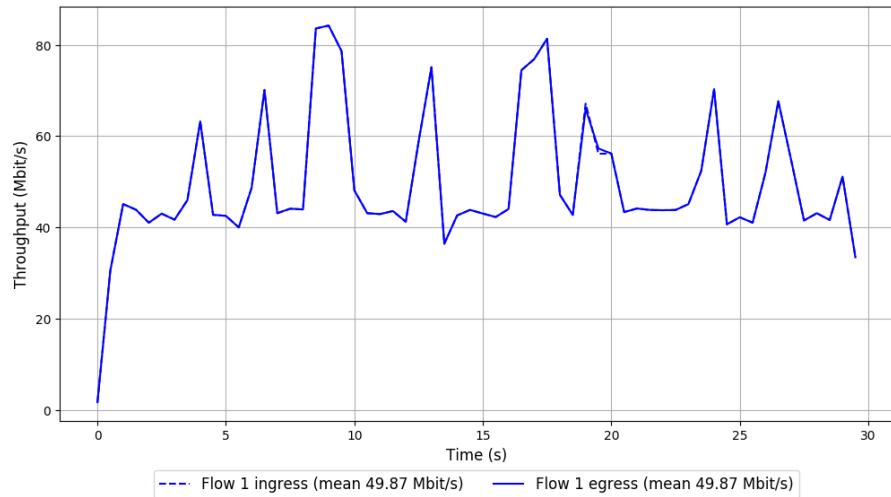


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-04-24 11:24:59
End at: 2018-04-24 11:25:29
Local clock offset: -6.337 ms
Remote clock offset: -6.739 ms

# Below is generated by plot.py at 2018-04-24 12:15:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 0.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 0.260 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 08:20:33

End at: 2018-04-24 08:21:03

Local clock offset: 3.426 ms

Remote clock offset: -6.769 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 08:39:35  
End at: 2018-04-24 08:40:05  
Local clock offset: 6.077 ms  
Remote clock offset: -6.582 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 08:58:38  
End at: 2018-04-24 08:59:08  
Local clock offset: 8.143 ms  
Remote clock offset: -6.564 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 09:17:33

End at: 2018-04-24 09:18:03

Local clock offset: -3.255 ms

Remote clock offset: -6.628 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 09:36:36  
End at: 2018-04-24 09:37:06  
Local clock offset: -10.554 ms  
Remote clock offset: -6.748 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 09:55:34

End at: 2018-04-24 09:56:04

Local clock offset: -9.375 ms

Remote clock offset: -6.711 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 10:14:36  
End at: 2018-04-24 10:15:06  
Local clock offset: -10.265 ms  
Remote clock offset: -6.701 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 10:33:30  
End at: 2018-04-24 10:34:01  
Local clock offset: -8.955 ms  
Remote clock offset: -6.732 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 10:52:32

End at: 2018-04-24 10:53:02

Local clock offset: -7.988 ms

Remote clock offset: -6.63 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-24 11:11:35

End at: 2018-04-24 11:12:05

Local clock offset: -6.373 ms

Remote clock offset: -6.671 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing