

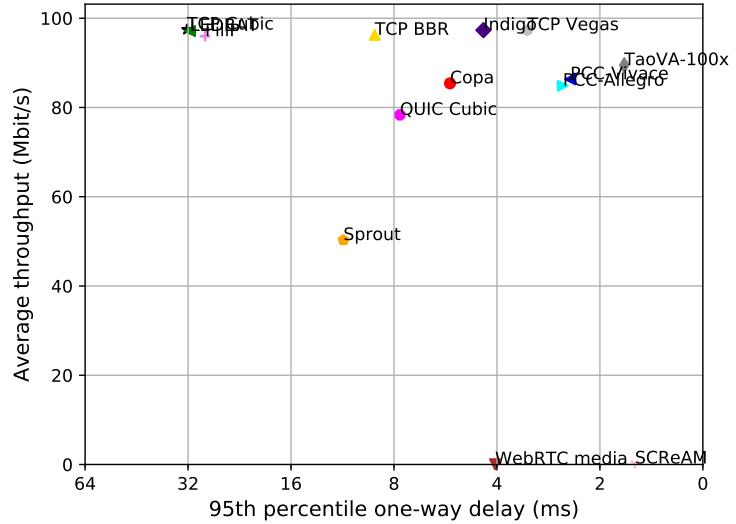
## Pantheon Report

Generated at 2018-05-22 00:59:57 (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).  
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

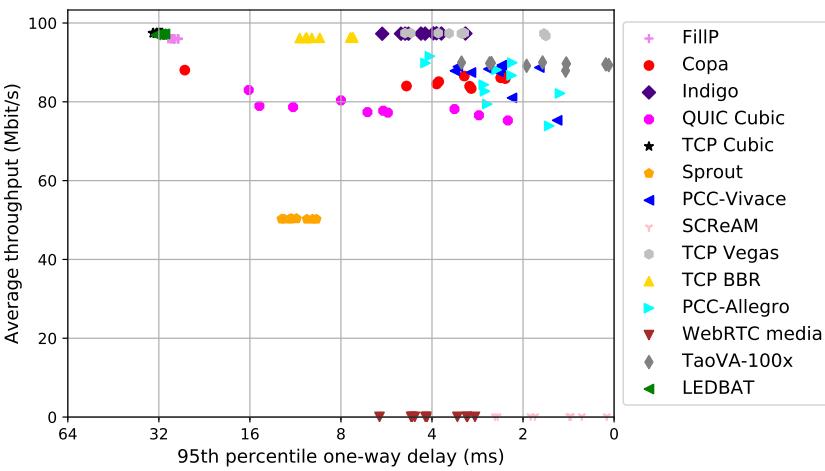
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



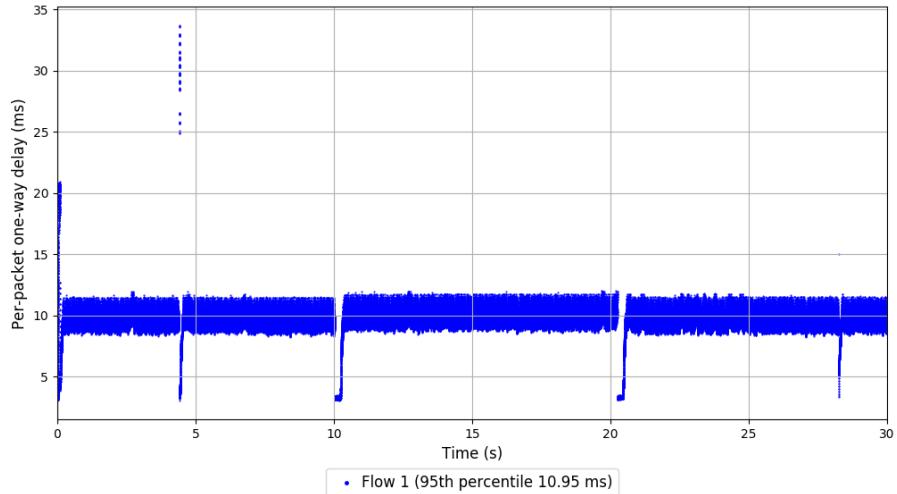
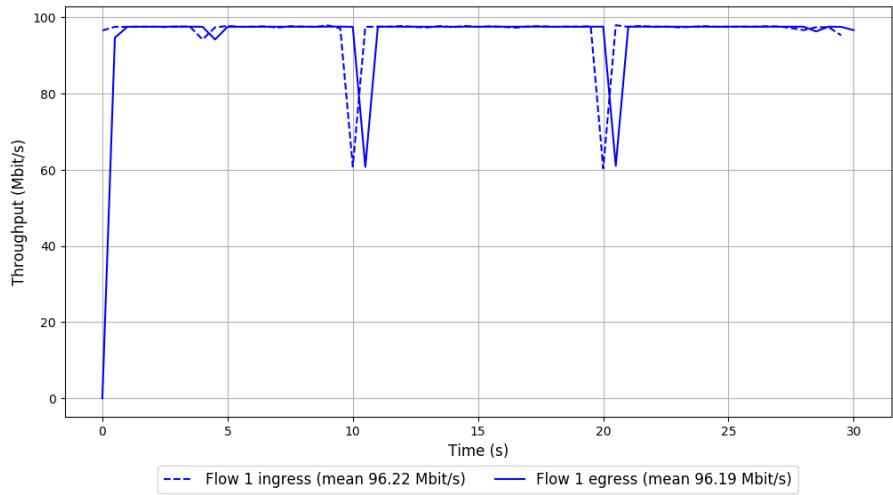
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.27	9.11	0.00
Copa	10	85.41	5.49	0.00
TCP Cubic	10	97.45	32.24	0.01
FillP	10	95.97	28.54	4.14
Indigo	10	97.32	4.38	0.00
LEDBAT	10	97.13	31.59	0.01
PCC-Allegro	10	84.86	2.57	0.00
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	78.34	7.69	0.30
SCReAM	10	0.22	1.32	0.01
Sprout	10	50.28	11.25	0.01
TaoVA-100x	10	89.48	1.53	0.00
TCP Vegas	10	97.33	3.26	0.00
Verus	0	N/A	N/A	N/A
PCC-Vivace	10	86.31	2.44	0.00
WebRTC media	10	0.05	4.05	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-21 21:50:42
End at: 2018-05-21 21:51:12
Local clock offset: -2.459 ms
Remote clock offset: -2.141 ms

# Below is generated by plot.py at 2018-05-22 00:40:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 10.951 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 10.951 ms
Loss rate: 0.01%
```

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

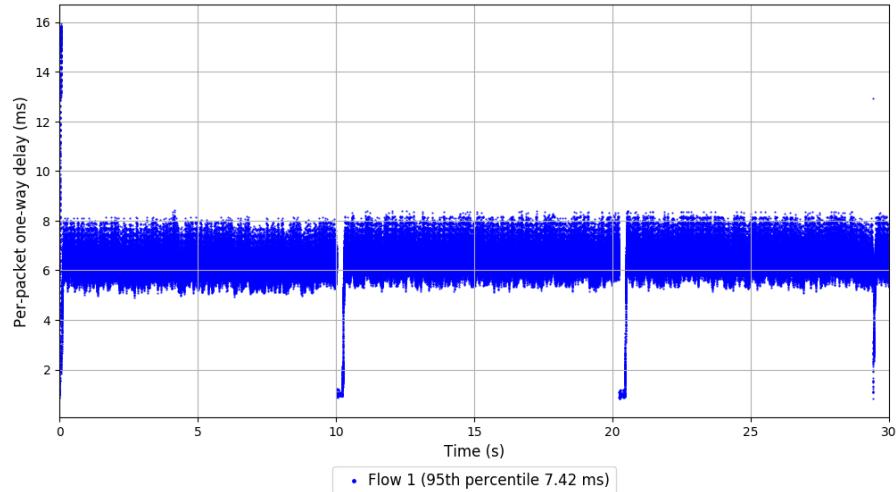
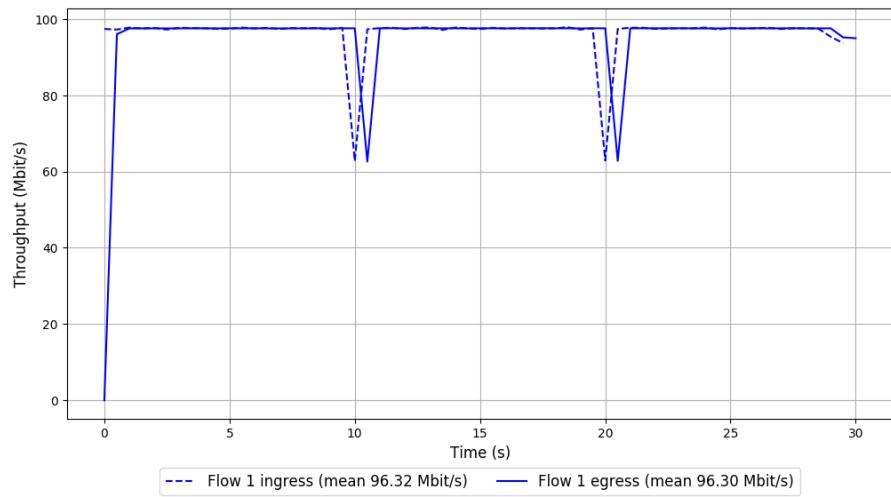


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-21 22:08:27
End at: 2018-05-21 22:08:57
Local clock offset: -3.727 ms
Remote clock offset: -1.845 ms

# Below is generated by plot.py at 2018-05-22 00:40:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 7.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 7.425 ms
Loss rate: 0.00%
```

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

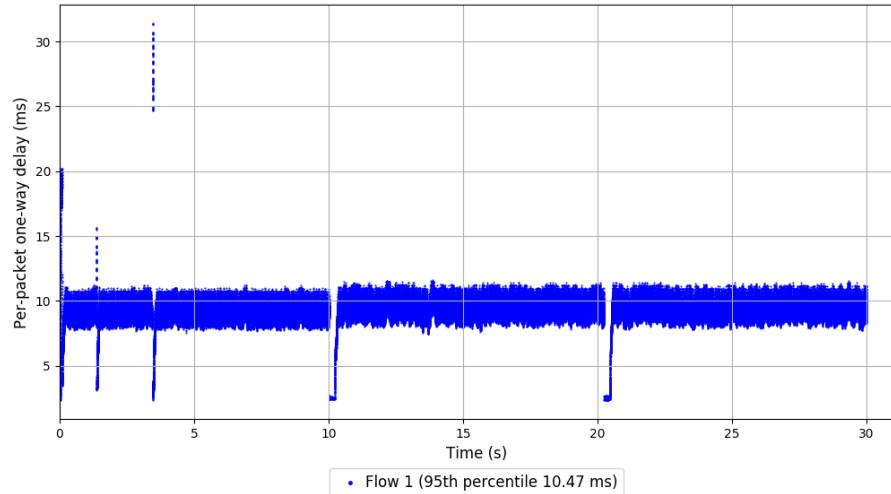
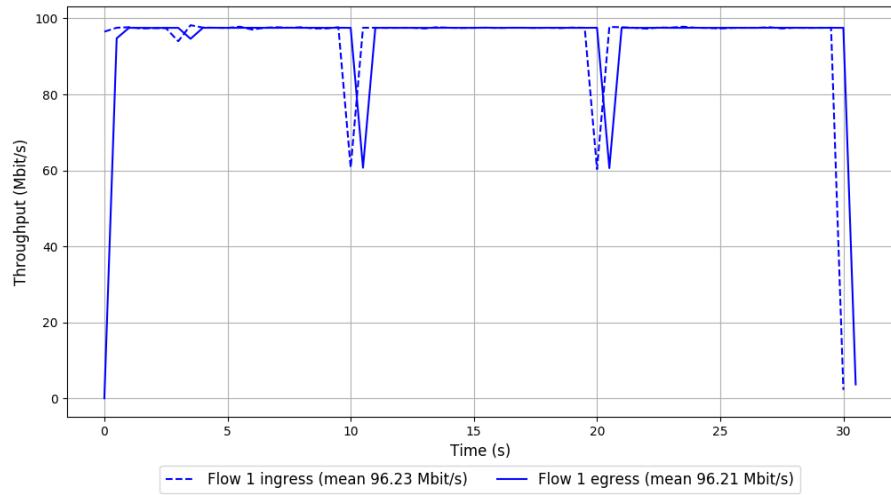


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-21 22:26:12
End at: 2018-05-21 22:26:42
Local clock offset: -3.32 ms
Remote clock offset: -1.66 ms

# Below is generated by plot.py at 2018-05-22 00:40:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 10.466 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 10.466 ms
Loss rate: 0.01%
```

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

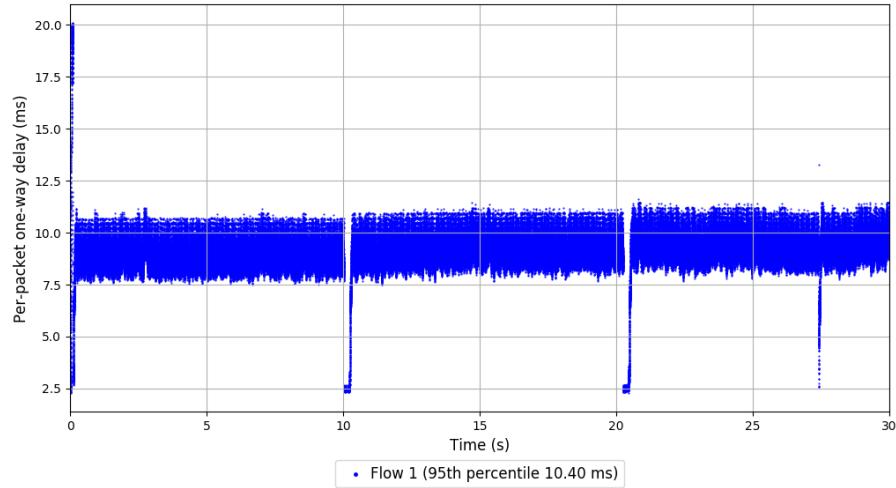
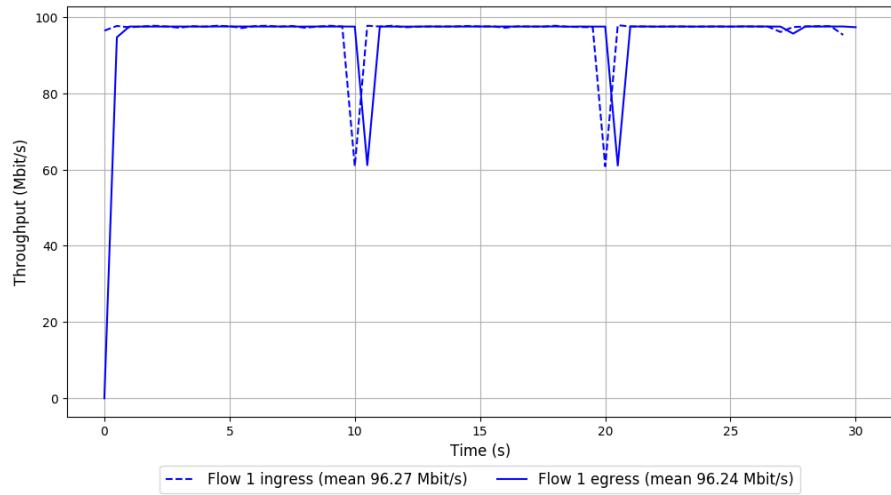


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-21 22:43:57
End at: 2018-05-21 22:44:27
Local clock offset: -4.445 ms
Remote clock offset: -1.854 ms

# Below is generated by plot.py at 2018-05-22 00:40:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.397 ms
Loss rate: 0.00%
```

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

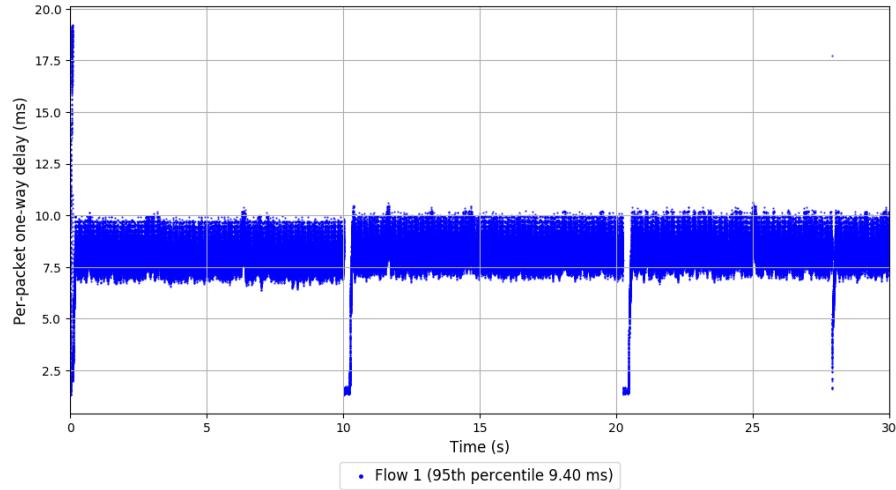
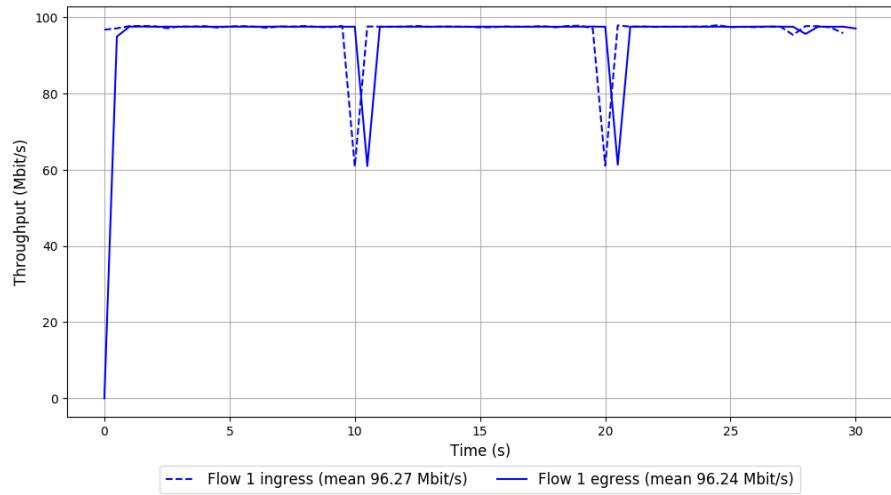


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-21 23:01:42
End at: 2018-05-21 23:02:12
Local clock offset: -3.834 ms
Remote clock offset: -2.123 ms

# Below is generated by plot.py at 2018-05-22 00:40:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 9.400 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 9.400 ms
Loss rate: 0.01%
```

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

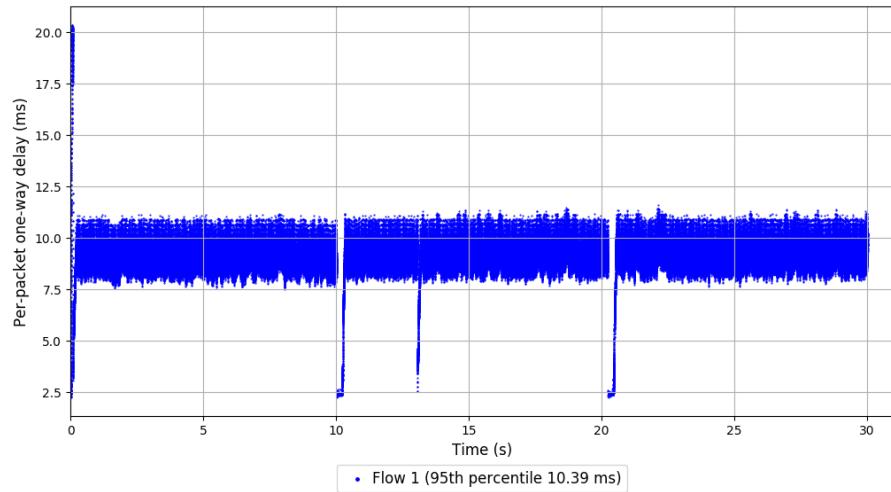
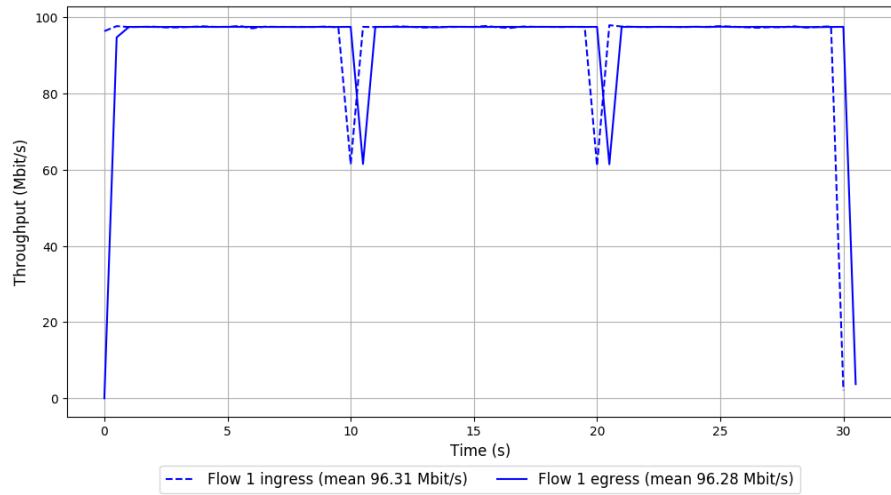


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-21 23:19:27
End at: 2018-05-21 23:19:57
Local clock offset: -4.947 ms
Remote clock offset: -2.137 ms

# Below is generated by plot.py at 2018-05-22 00:40:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.390 ms
Loss rate: 0.00%
```

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

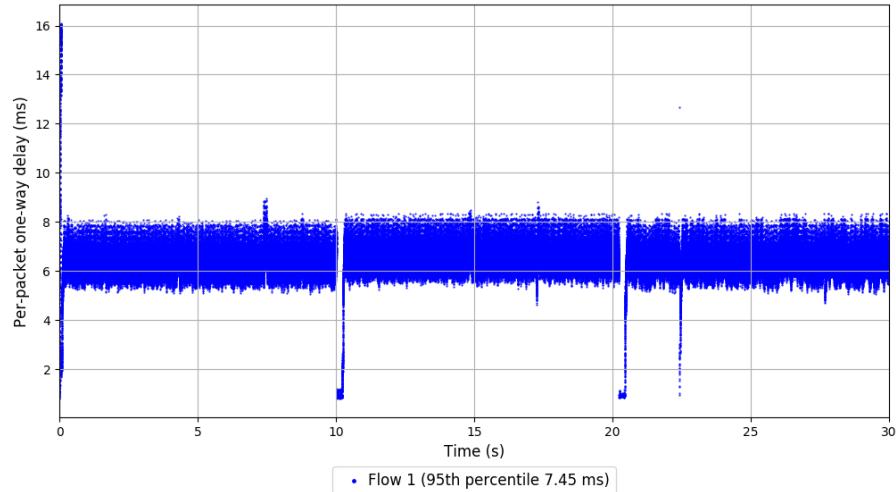
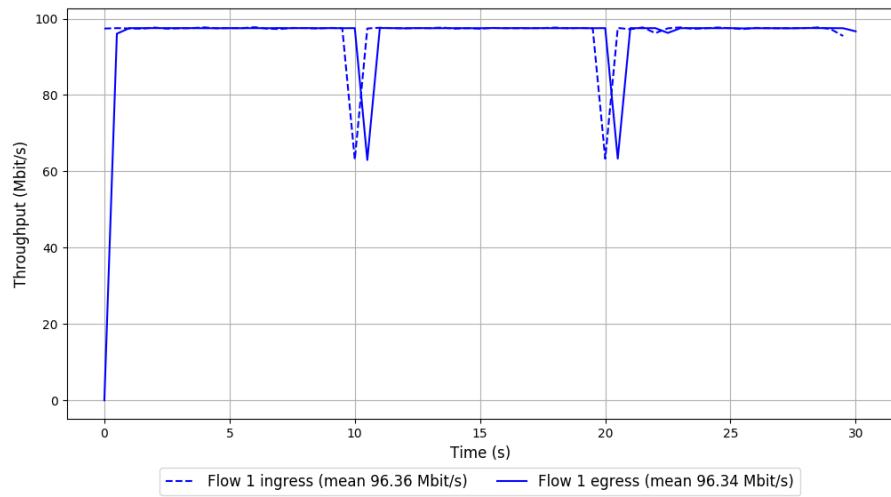


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-21 23:37:17
End at: 2018-05-21 23:37:47
Local clock offset: -5.029 ms
Remote clock offset: -2.391 ms

# Below is generated by plot.py at 2018-05-22 00:40:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 7.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 7.446 ms
Loss rate: 0.00%
```

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

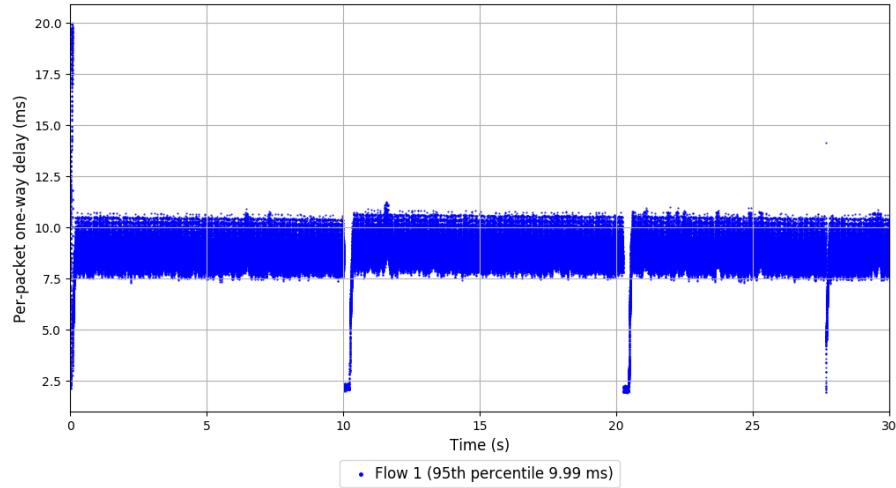
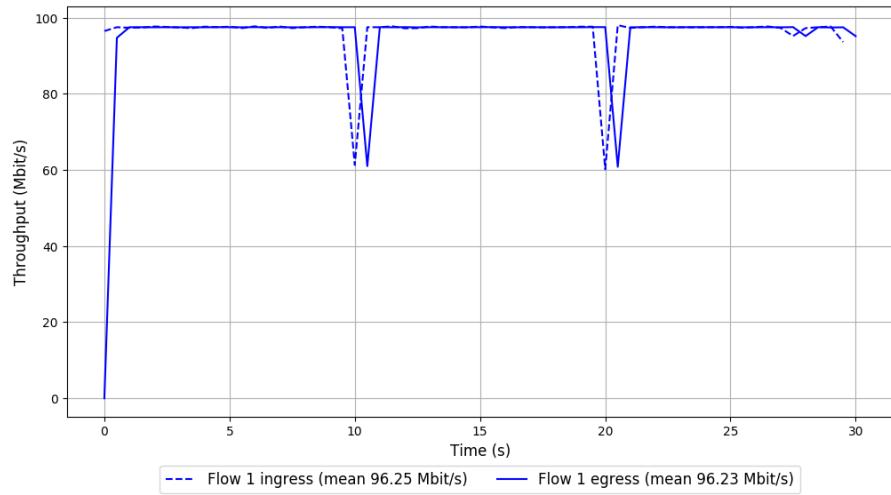


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-21 23:55:02
End at: 2018-05-21 23:55:32
Local clock offset: -4.85 ms
Remote clock offset: 13.029 ms

# Below is generated by plot.py at 2018-05-22 00:40:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 9.989 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 9.989 ms
Loss rate: 0.01%
```

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

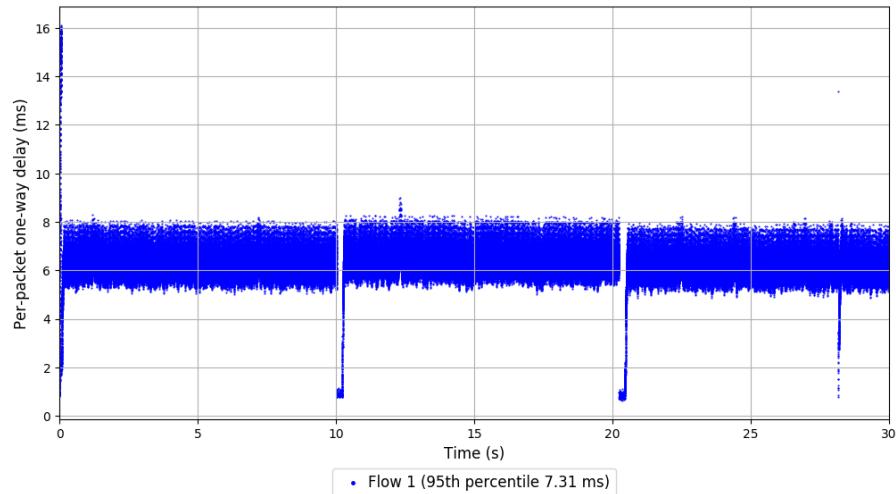
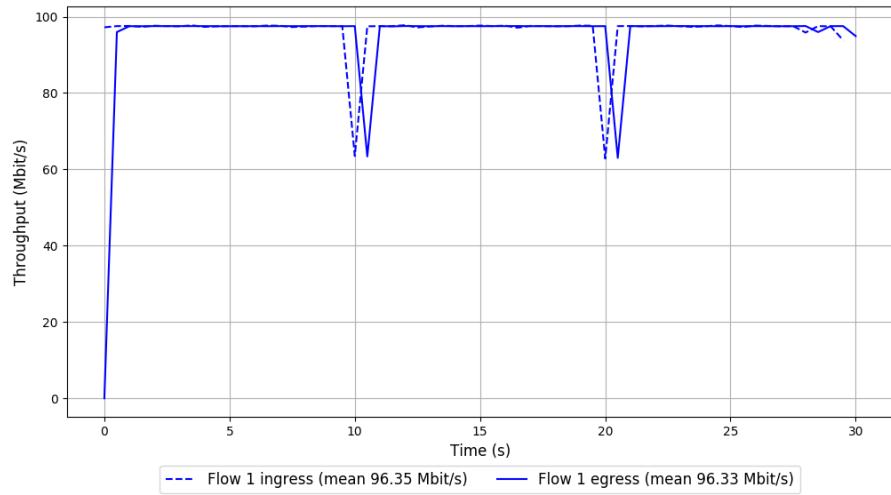


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-22 00:12:47
End at: 2018-05-22 00:13:17
Local clock offset: -5.707 ms
Remote clock offset: 21.57 ms

# Below is generated by plot.py at 2018-05-22 00:41:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 7.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 7.314 ms
Loss rate: 0.00%
```

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

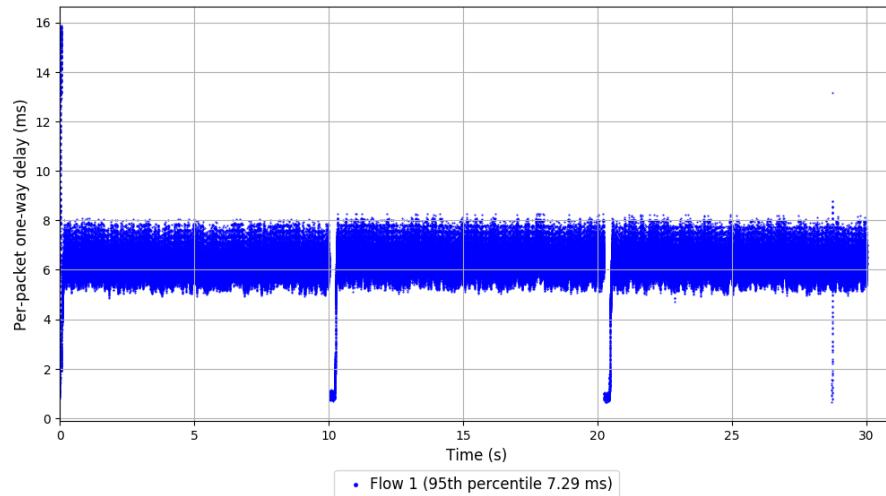
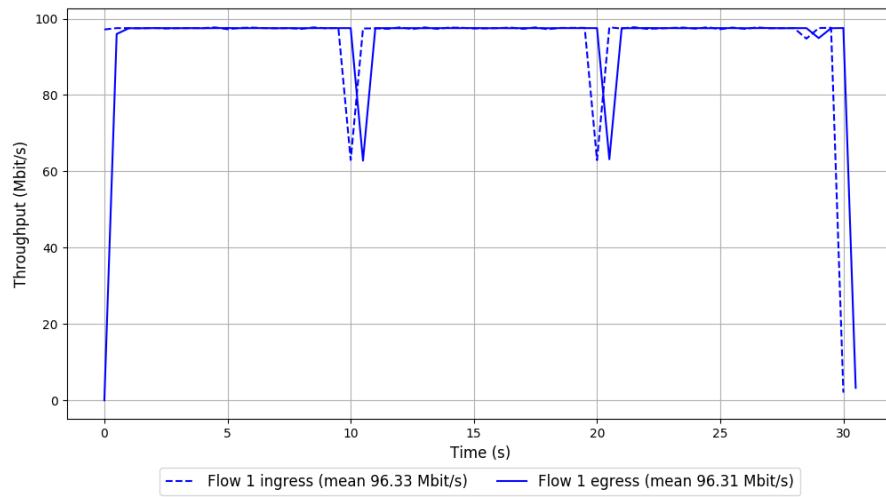


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-05-22 00:30:32
End at: 2018-05-22 00:31:02
Local clock offset: -5.764 ms
Remote clock offset: 27.498 ms

# Below is generated by plot.py at 2018-05-22 00:41:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 7.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 7.290 ms
Loss rate: 0.00%
```

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

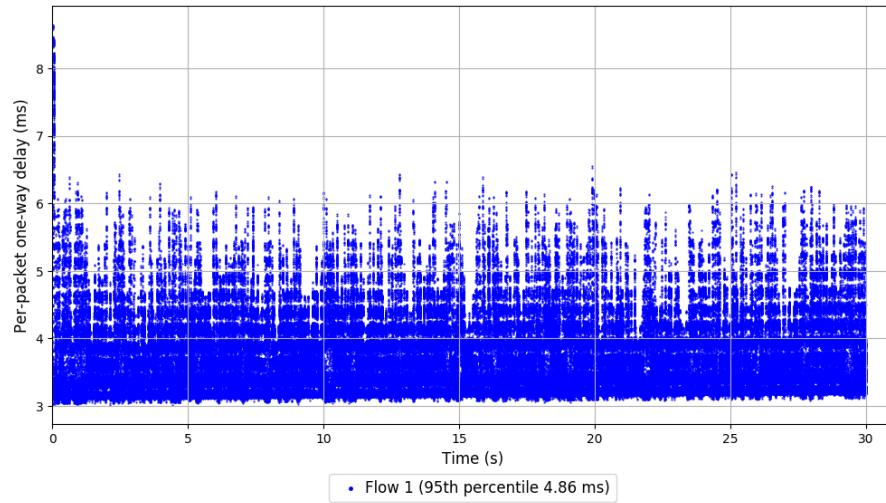
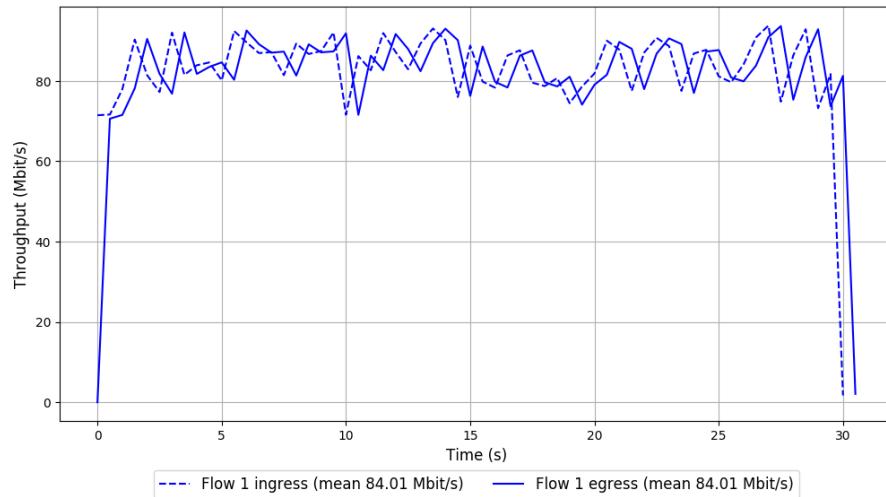


Run 1: Statistics of Copa

```
Start at: 2018-05-21 21:42:55
End at: 2018-05-21 21:43:25
Local clock offset: -3.514 ms
Remote clock offset: -1.958 ms

# Below is generated by plot.py at 2018-05-22 00:42:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 4.857 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 4.857 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

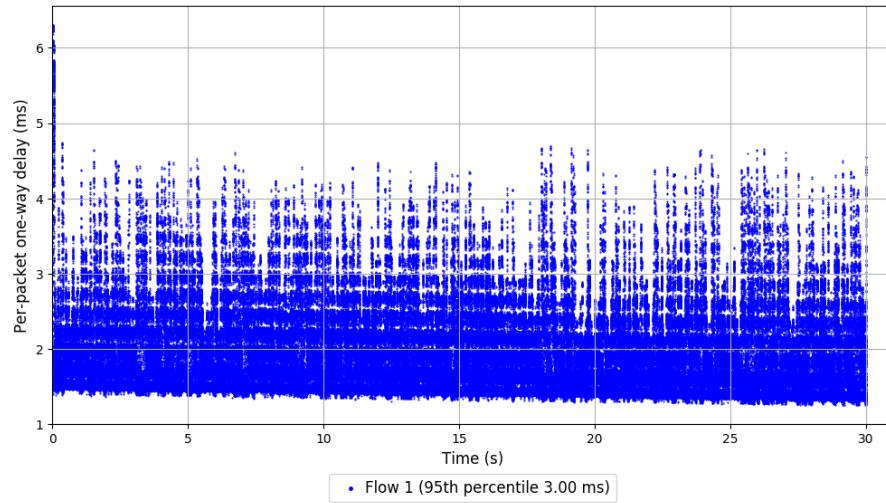
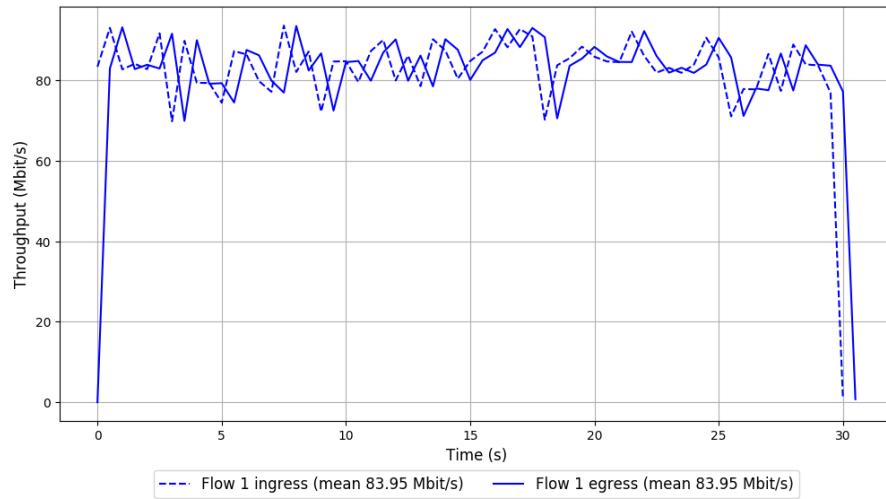


Run 2: Statistics of Copa

```
Start at: 2018-05-21 22:00:40
End at: 2018-05-21 22:01:10
Local clock offset: -1.651 ms
Remote clock offset: -2.058 ms

# Below is generated by plot.py at 2018-05-22 00:42:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 3.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 3.004 ms
Loss rate: 0.00%
```

## Run 2: Report of Copa — Data Link

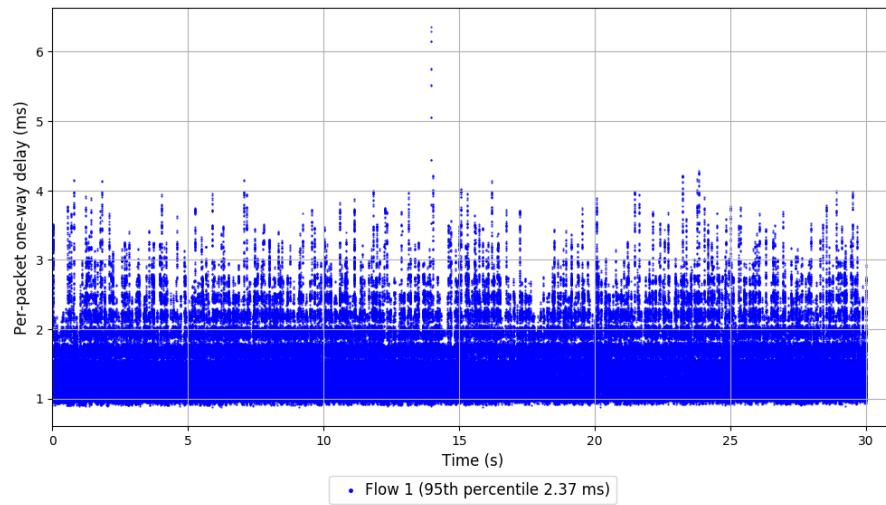
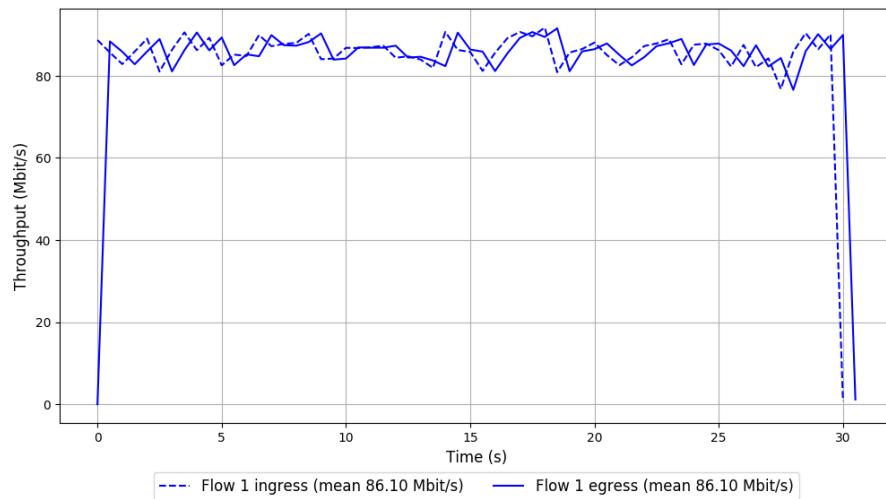


Run 3: Statistics of Copa

```
Start at: 2018-05-21 22:18:25
End at: 2018-05-21 22:18:55
Local clock offset: -3.829 ms
Remote clock offset: -1.738 ms

# Below is generated by plot.py at 2018-05-22 00:42:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 2.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 2.371 ms
Loss rate: 0.00%
```

### Run 3: Report of Copa — Data Link

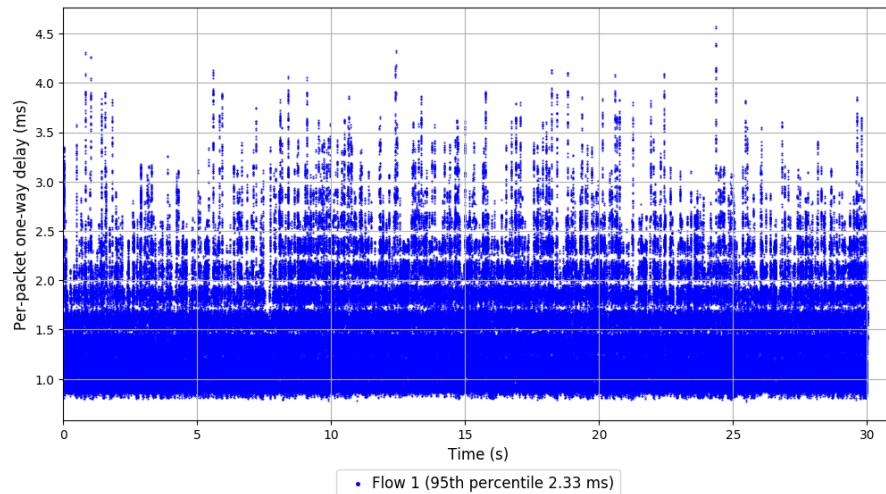
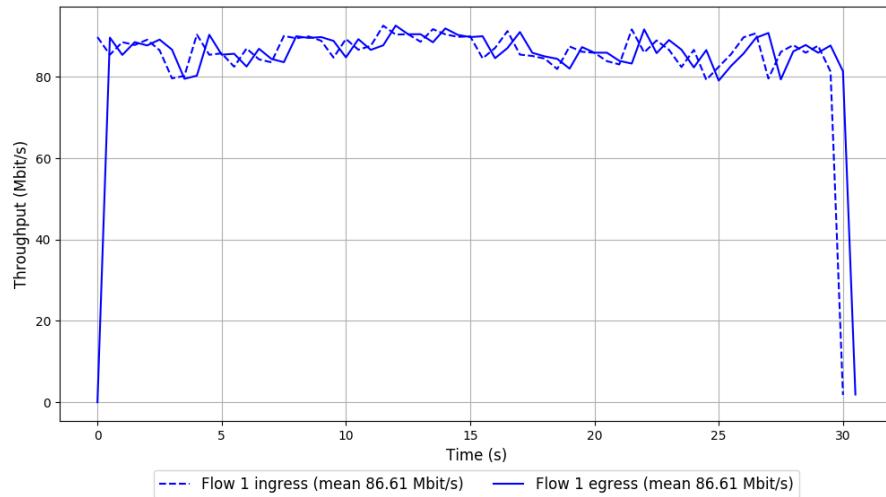


Run 4: Statistics of Copa

```
Start at: 2018-05-21 22:36:10
End at: 2018-05-21 22:36:40
Local clock offset: -4.385 ms
Remote clock offset: -1.67 ms

# Below is generated by plot.py at 2018-05-22 00:42:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
```

## Run 4: Report of Copa — Data Link

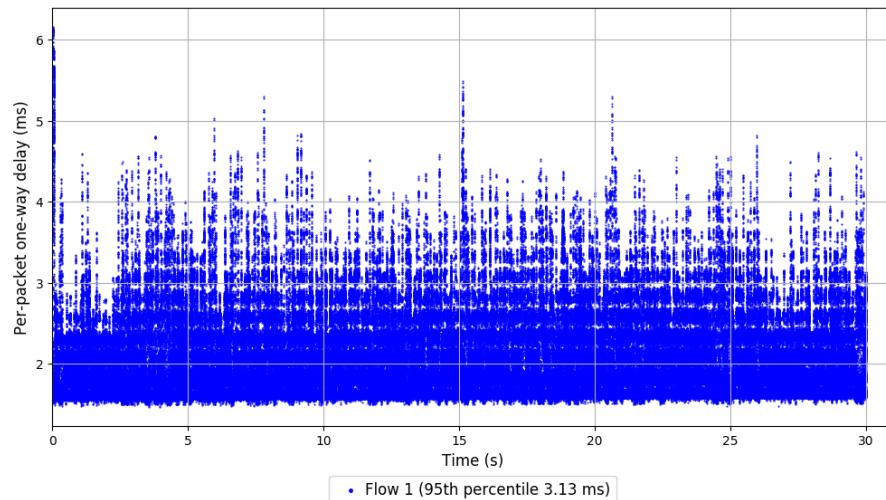
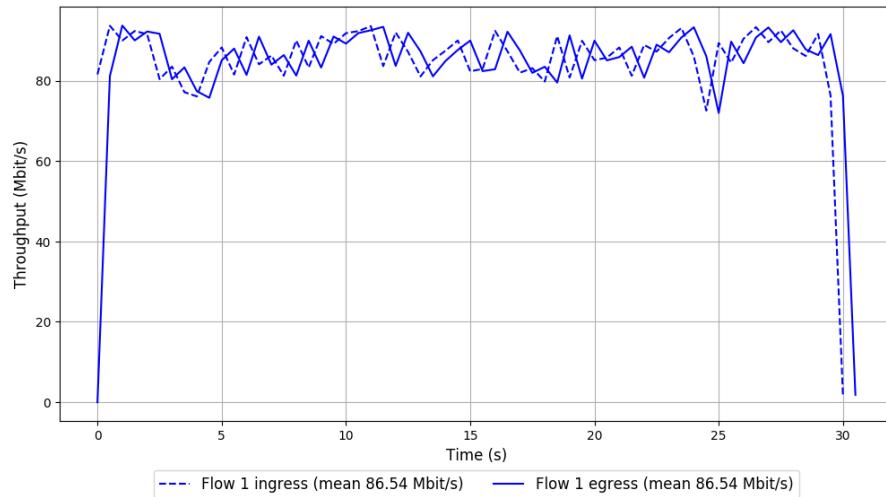


Run 5: Statistics of Copa

```
Start at: 2018-05-21 22:53:55
End at: 2018-05-21 22:54:25
Local clock offset: -3.354 ms
Remote clock offset: -1.942 ms

# Below is generated by plot.py at 2018-05-22 00:42:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.00%
```

## Run 5: Report of Copa — Data Link

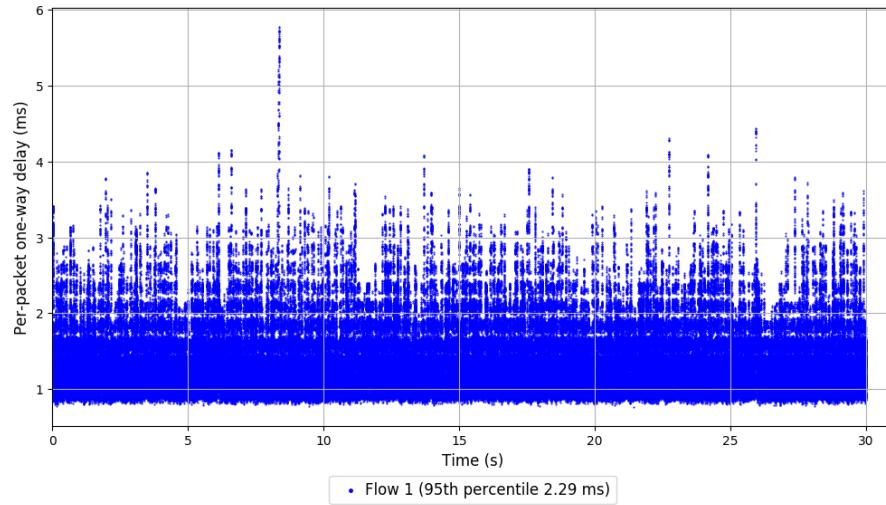
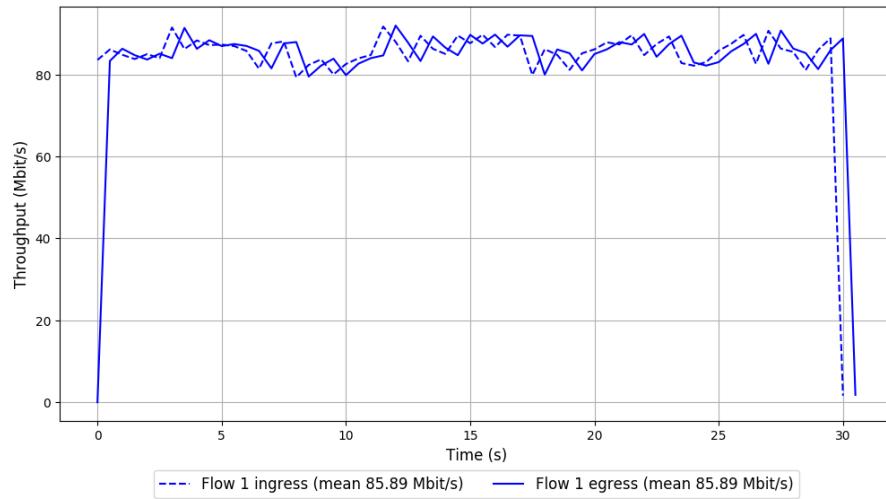


Run 6: Statistics of Copa

```
Start at: 2018-05-21 23:11:40
End at: 2018-05-21 23:12:10
Local clock offset: -4.997 ms
Remote clock offset: -2.057 ms

# Below is generated by plot.py at 2018-05-22 00:42:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 2.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 2.289 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

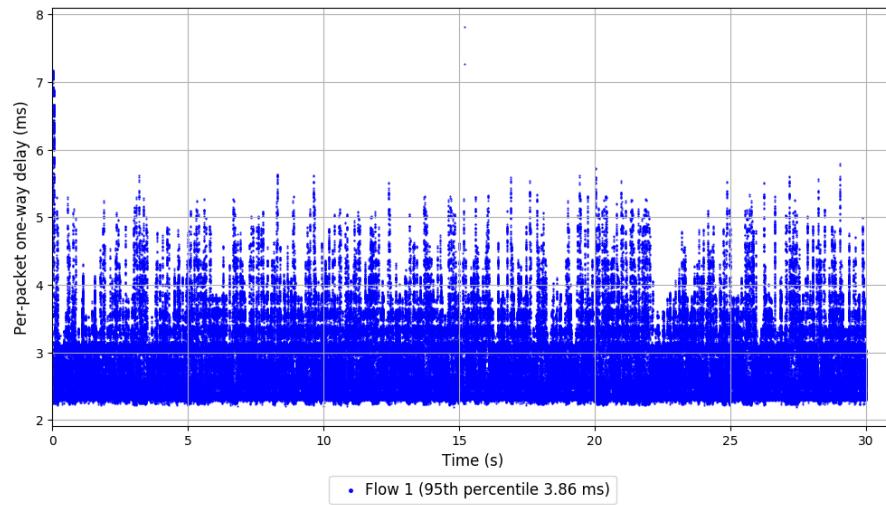
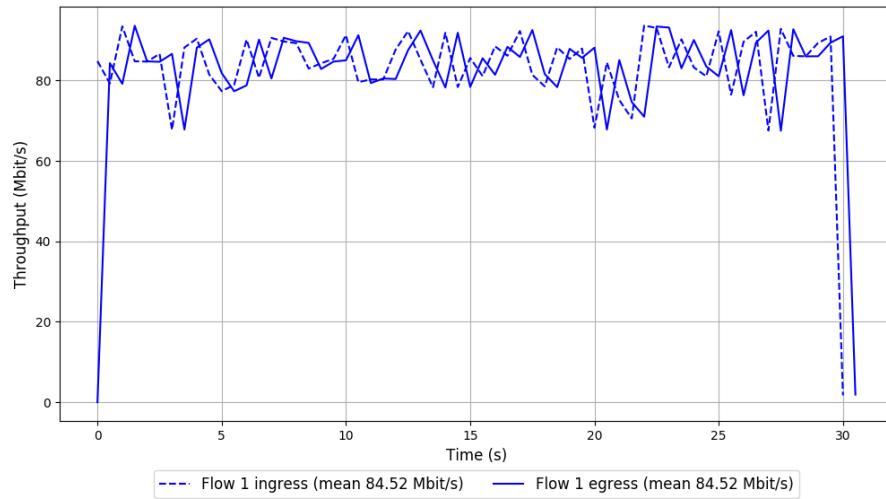


Run 7: Statistics of Copa

```
Start at: 2018-05-21 23:29:25
End at: 2018-05-21 23:29:55
Local clock offset: -4.933 ms
Remote clock offset: -2.236 ms

# Below is generated by plot.py at 2018-05-22 00:43:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 3.860 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 3.860 ms
Loss rate: 0.01%
```

Run 7: Report of Copa — Data Link

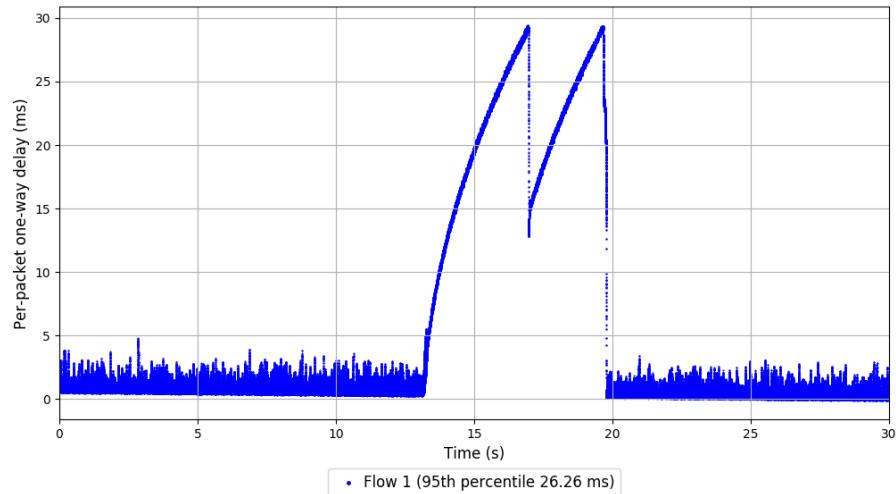
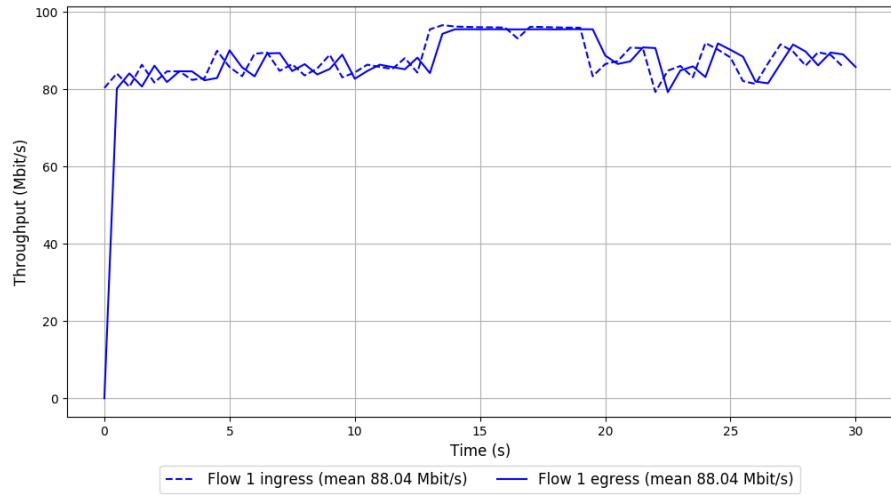


Run 8: Statistics of Copa

```
Start at: 2018-05-21 23:47:15
End at: 2018-05-21 23:47:45
Local clock offset: -4.962 ms
Remote clock offset: 5.409 ms

# Below is generated by plot.py at 2018-05-22 00:43:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 26.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 26.261 ms
Loss rate: 0.00%
```

### Run 8: Report of Copa — Data Link

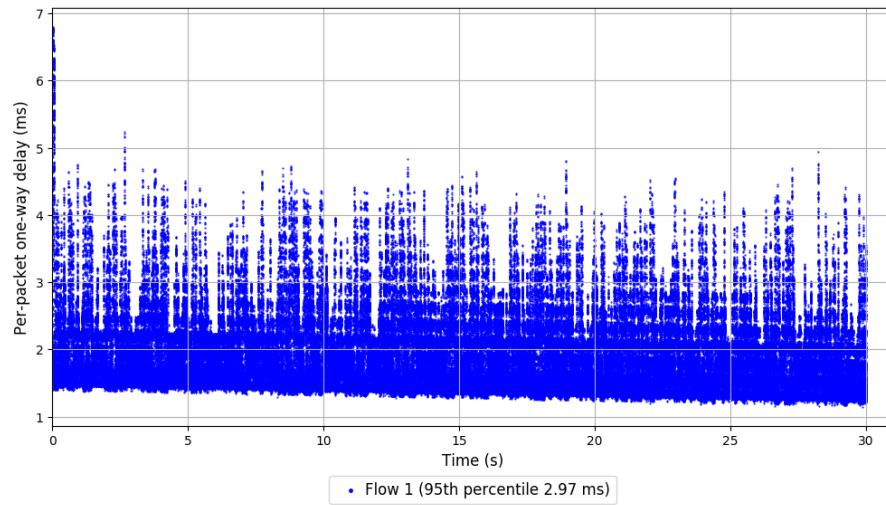
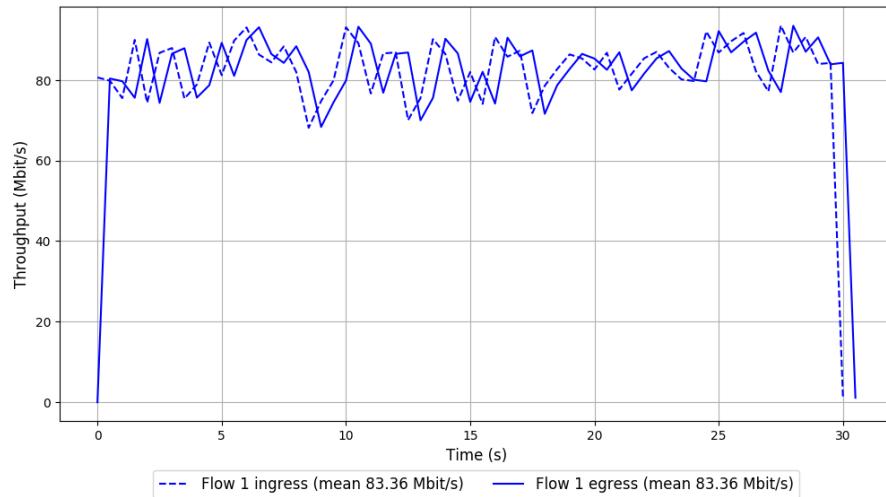


Run 9: Statistics of Copa

```
Start at: 2018-05-22 00:05:00
End at: 2018-05-22 00:05:30
Local clock offset: -4.661 ms
Remote clock offset: 18.545 ms

# Below is generated by plot.py at 2018-05-22 00:44:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 2.967 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 2.967 ms
Loss rate: 0.01%
```

## Run 9: Report of Copa — Data Link

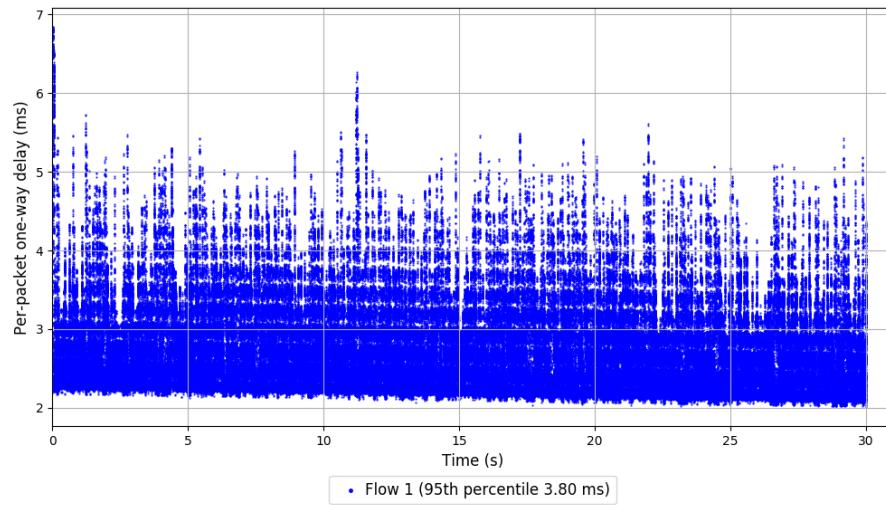
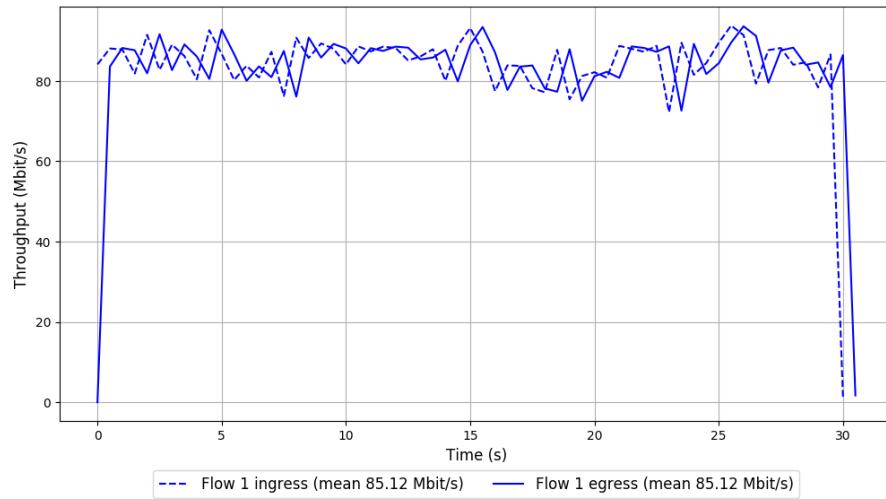


Run 10: Statistics of Copa

```
Start at: 2018-05-22 00:22:45
End at: 2018-05-22 00:23:15
Local clock offset: -5.752 ms
Remote clock offset: 25.013 ms

# Below is generated by plot.py at 2018-05-22 00:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 3.799 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 3.799 ms
Loss rate: 0.01%
```

## Run 10: Report of Copa — Data Link

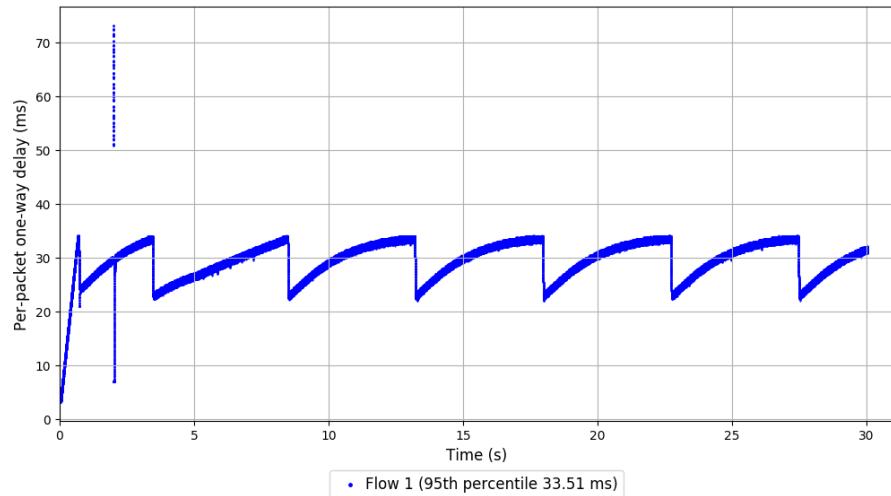
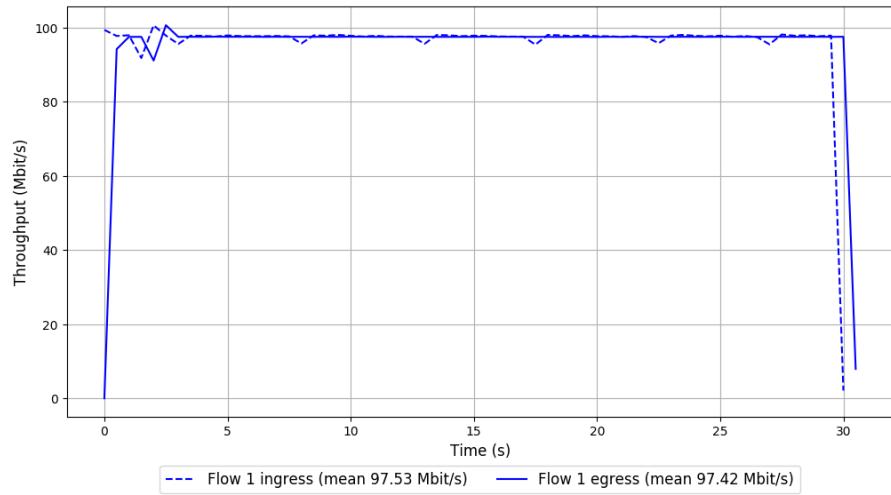


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-21 21:55:16
End at: 2018-05-21 21:55:46
Local clock offset: -1.805 ms
Remote clock offset: -2.194 ms

# Below is generated by plot.py at 2018-05-22 00:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 33.509 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 33.509 ms
Loss rate: 0.02%
```

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

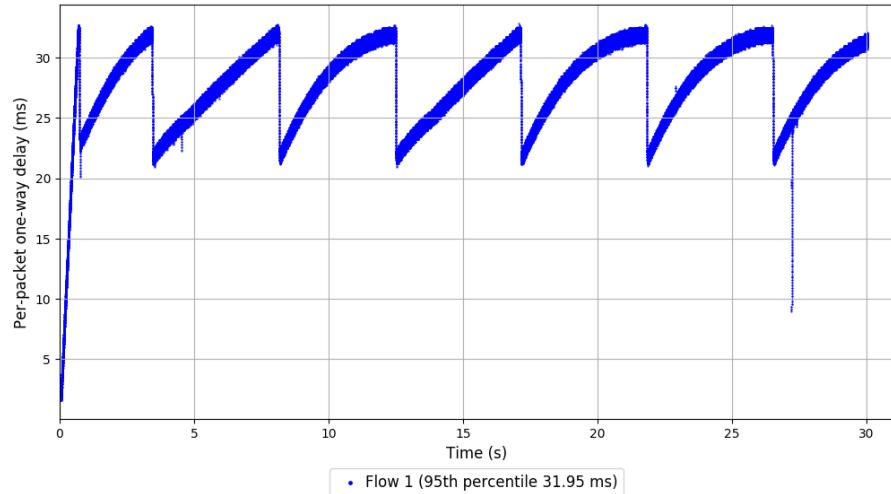
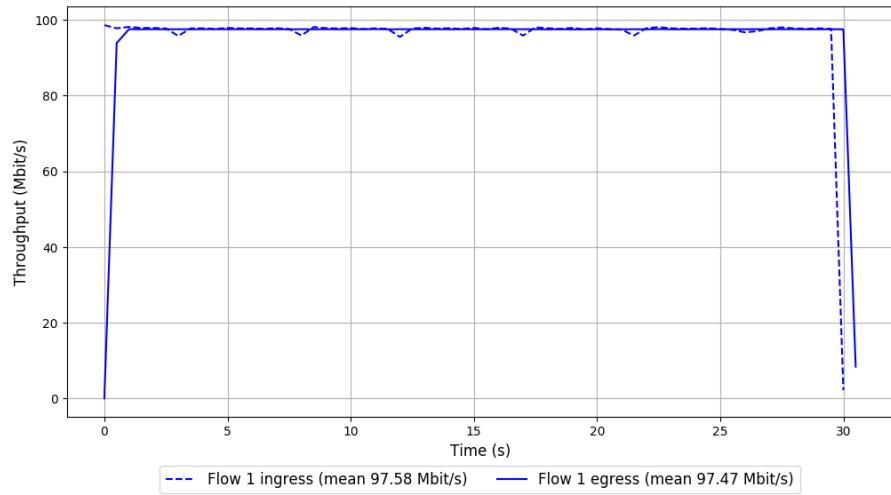


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-21 22:13:01
End at: 2018-05-21 22:13:31
Local clock offset: -4.656 ms
Remote clock offset: -1.8 ms

# Below is generated by plot.py at 2018-05-22 00:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.952 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.952 ms
Loss rate: 0.01%
```

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

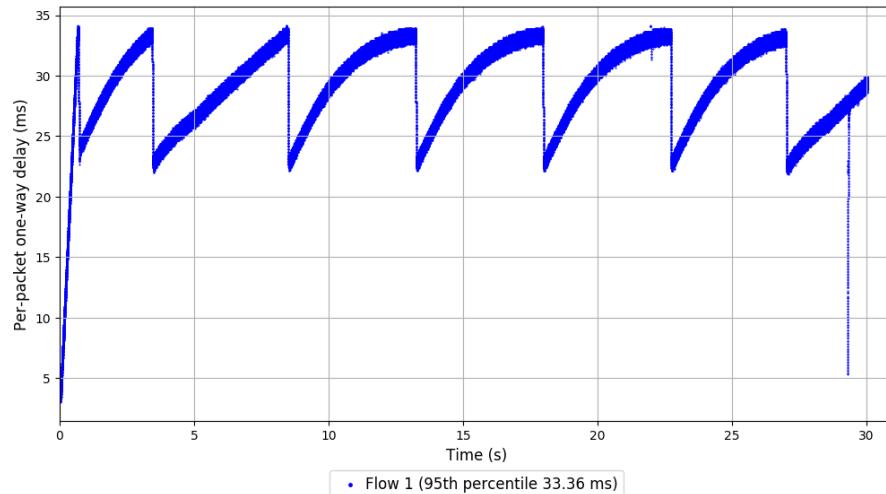
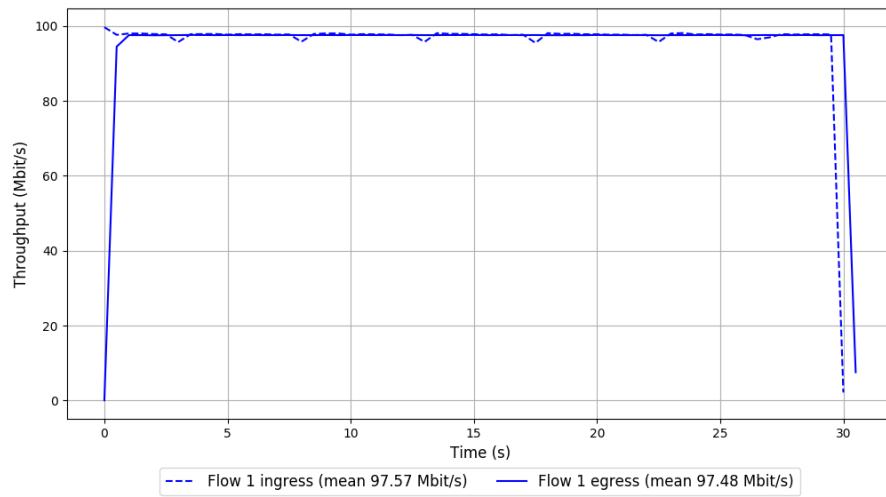


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-21 22:30:46
End at: 2018-05-21 22:31:16
Local clock offset: -4.728 ms
Remote clock offset: -1.614 ms

# Below is generated by plot.py at 2018-05-22 00:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 33.364 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 33.364 ms
Loss rate: 0.01%
```

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

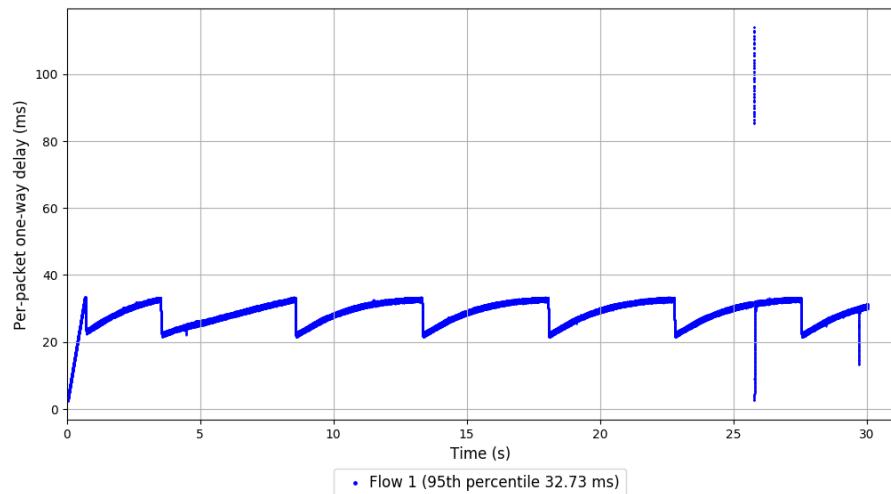
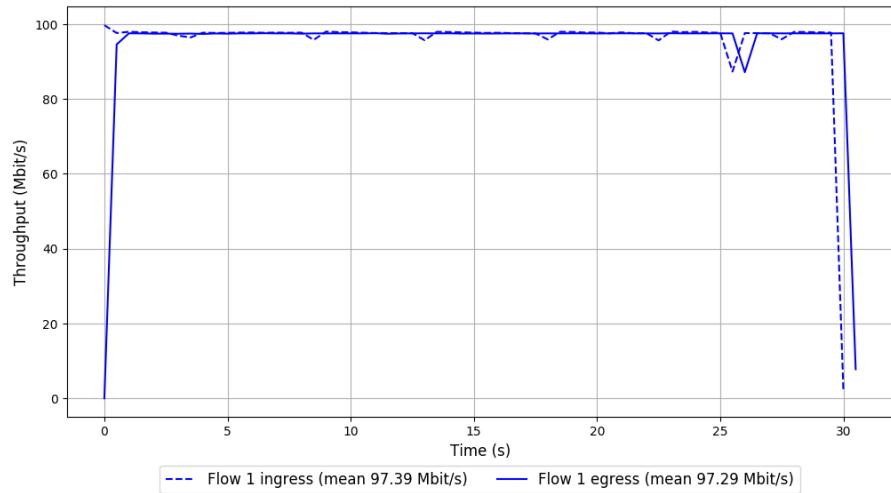


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-21 22:48:31
End at: 2018-05-21 22:49:01
Local clock offset: -4.333 ms
Remote clock offset: -1.858 ms

# Below is generated by plot.py at 2018-05-22 00:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 0.02%
```

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

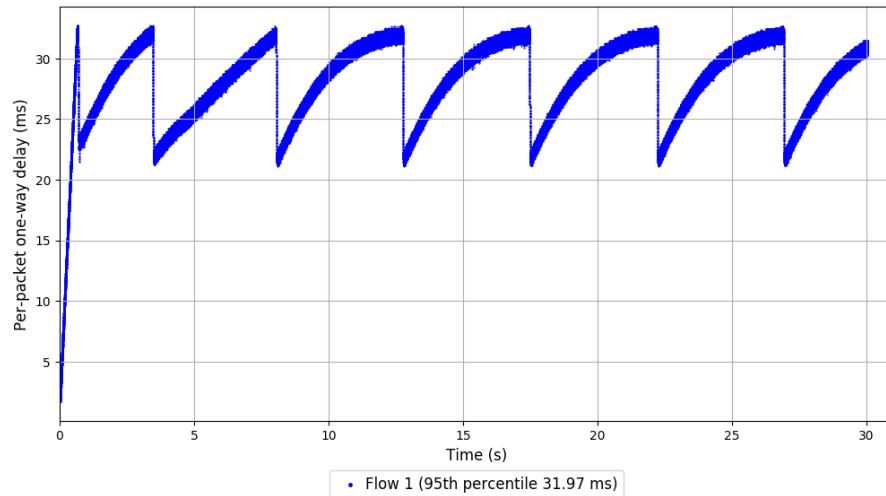
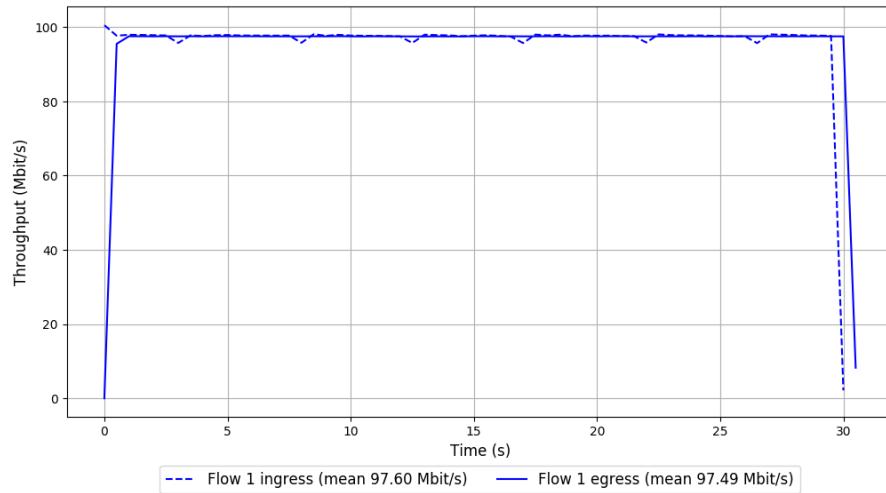


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:06:16
End at: 2018-05-21 23:06:46
Local clock offset: -5.659 ms
Remote clock offset: -2.017 ms

# Below is generated by plot.py at 2018-05-22 00:44:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 31.968 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 31.968 ms
Loss rate: 0.01%
```

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

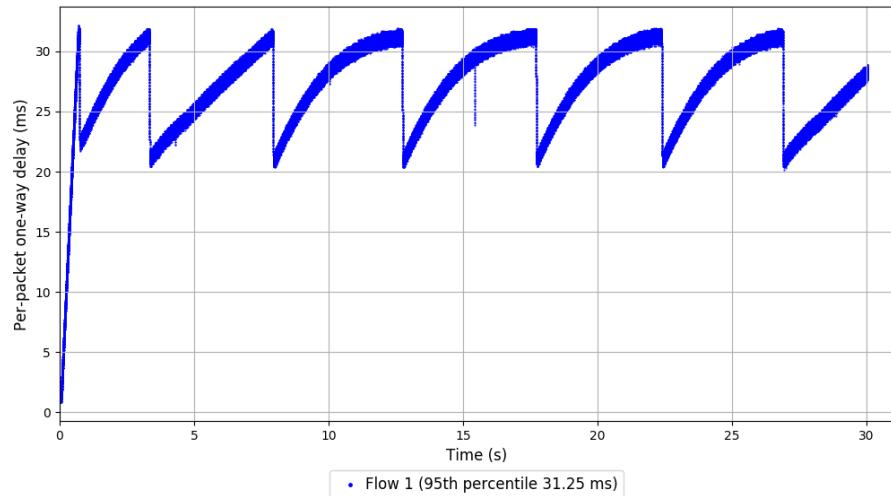
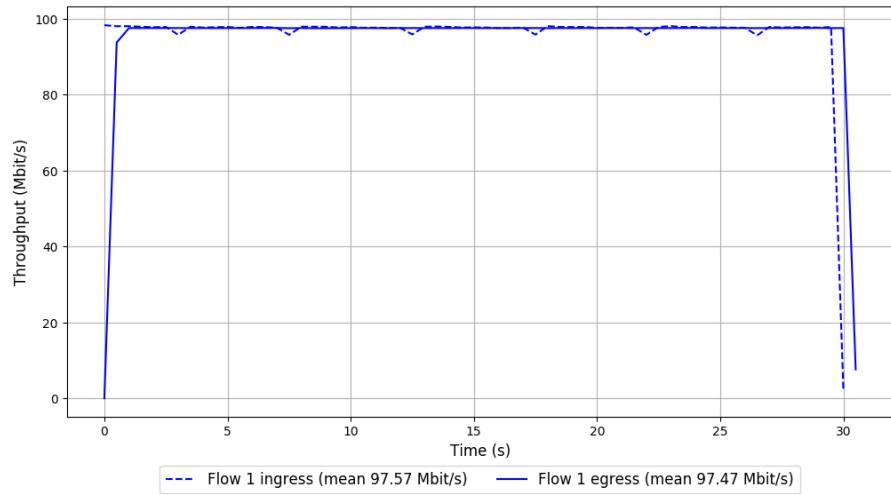


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:24:01
End at: 2018-05-21 23:24:31
Local clock offset: -4.893 ms
Remote clock offset: -2.228 ms

# Below is generated by plot.py at 2018-05-22 00:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.254 ms
Loss rate: 0.01%
```

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

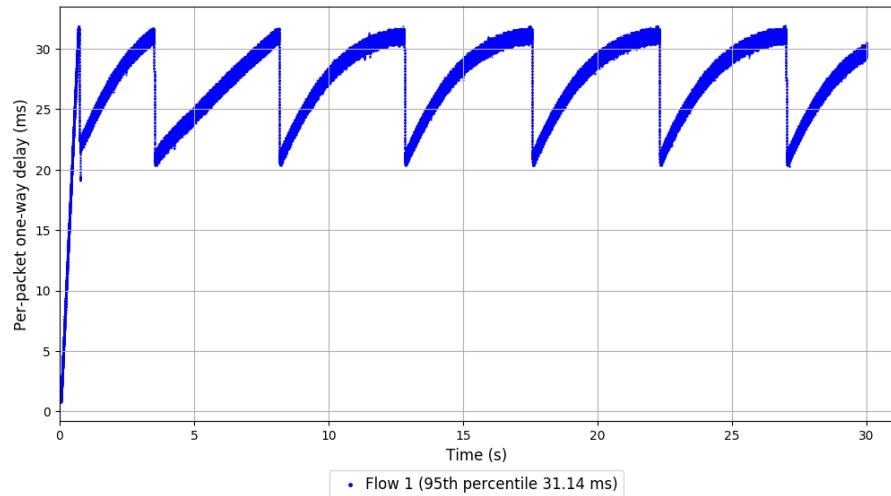
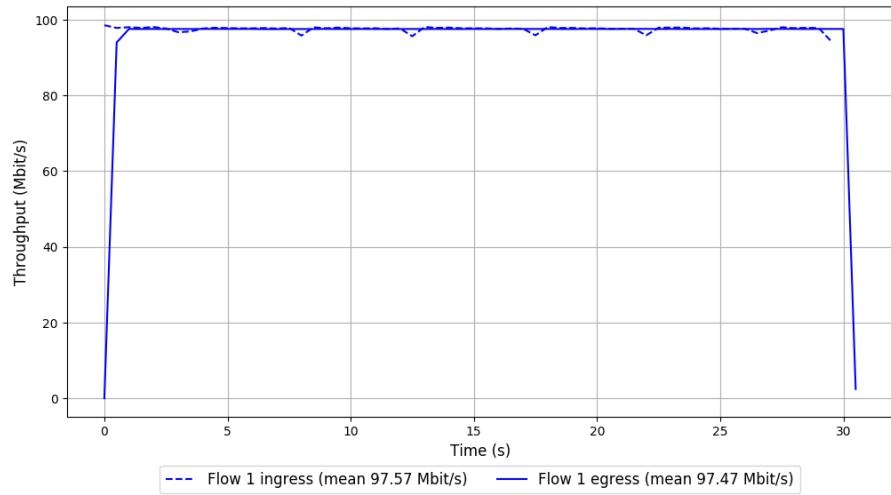


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:41:51
End at: 2018-05-21 23:42:21
Local clock offset: -5.095 ms
Remote clock offset: -2.526 ms

# Below is generated by plot.py at 2018-05-22 00:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.144 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.144 ms
Loss rate: 0.01%
```

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

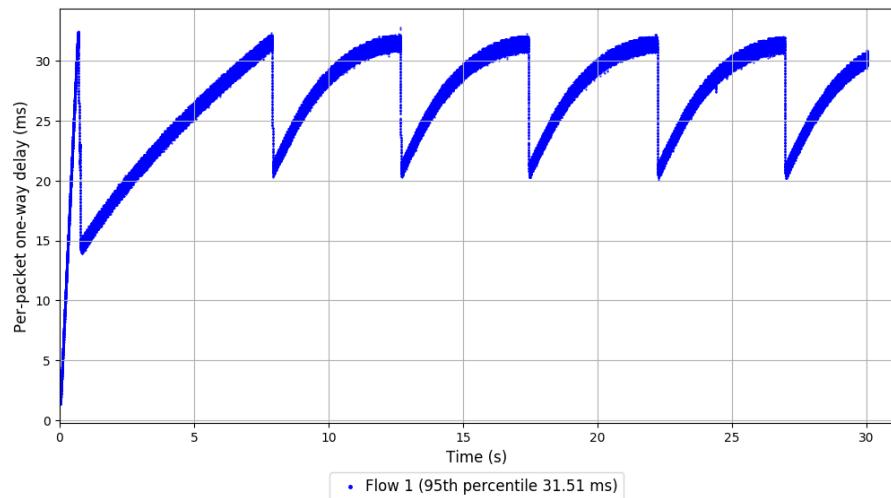
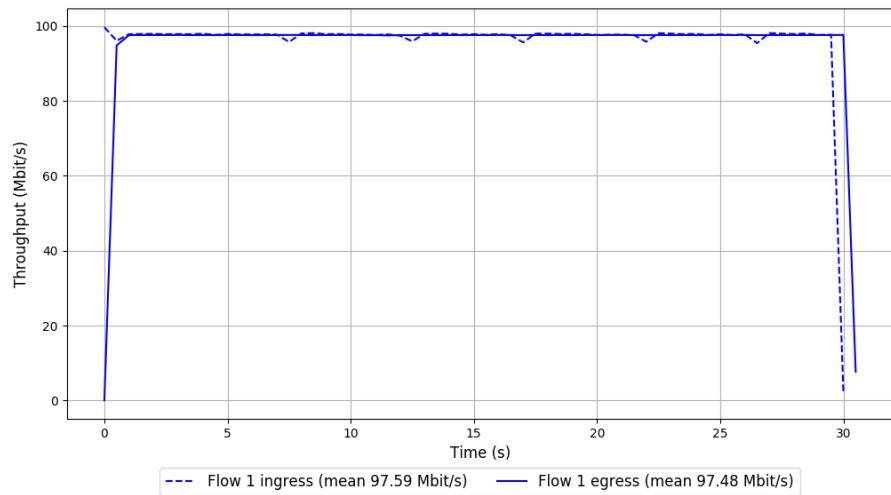


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:59:36
End at: 2018-05-22 00:00:06
Local clock offset: -4.355 ms
Remote clock offset: 15.816 ms

# Below is generated by plot.py at 2018-05-22 00:44:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 31.512 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 31.512 ms
Loss rate: 0.01%
```

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

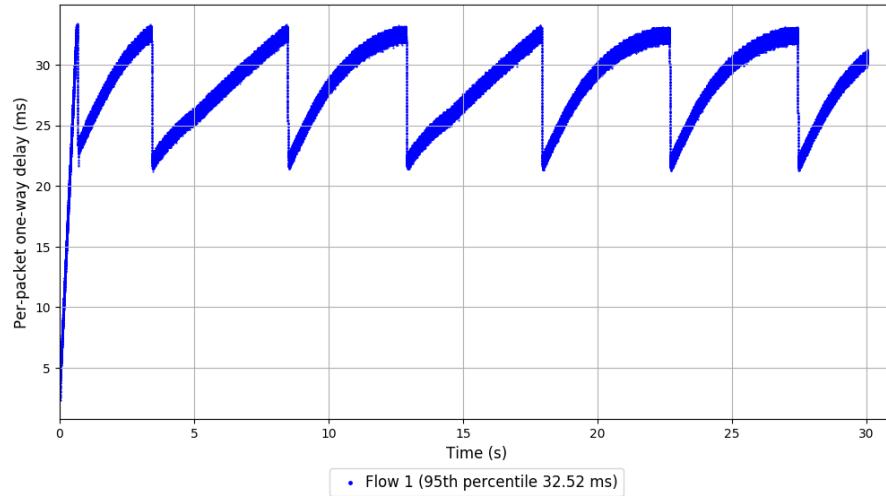
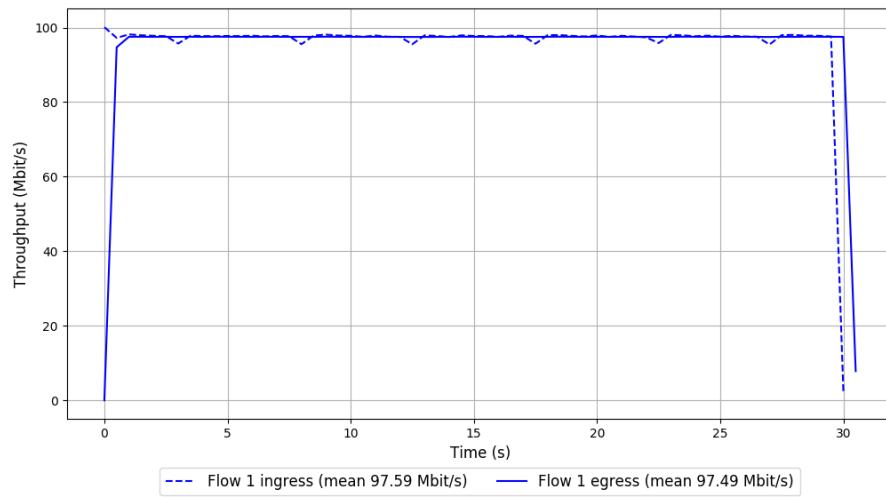


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-22 00:17:21
End at: 2018-05-22 00:17:51
Local clock offset: -5.781 ms
Remote clock offset: 23.212 ms

# Below is generated by plot.py at 2018-05-22 00:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.521 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.521 ms
Loss rate: 0.02%
```

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

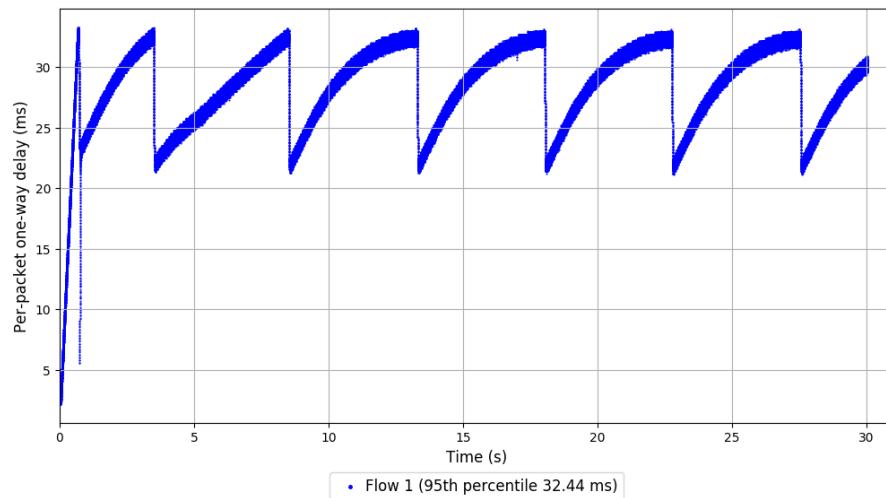
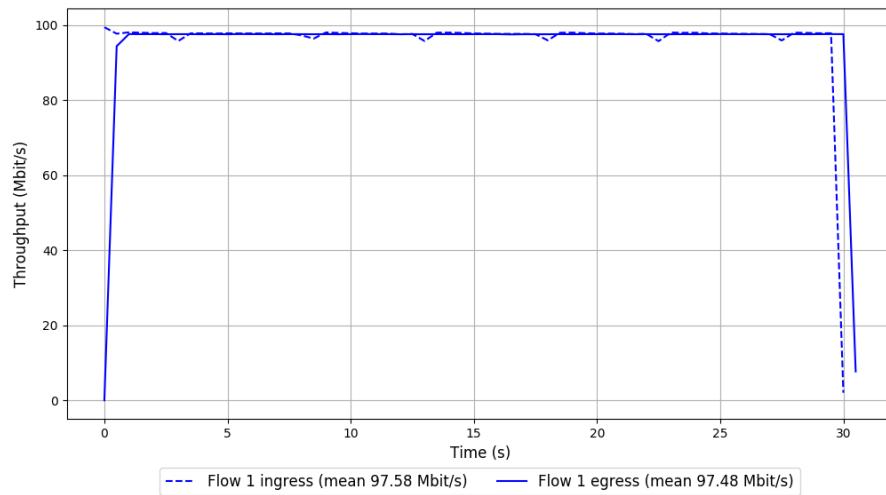


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-05-22 00:35:07
End at: 2018-05-22 00:35:37
Local clock offset: -5.707 ms
Remote clock offset: 28.899 ms

# Below is generated by plot.py at 2018-05-22 00:45:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.441 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.441 ms
Loss rate: 0.01%
```

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

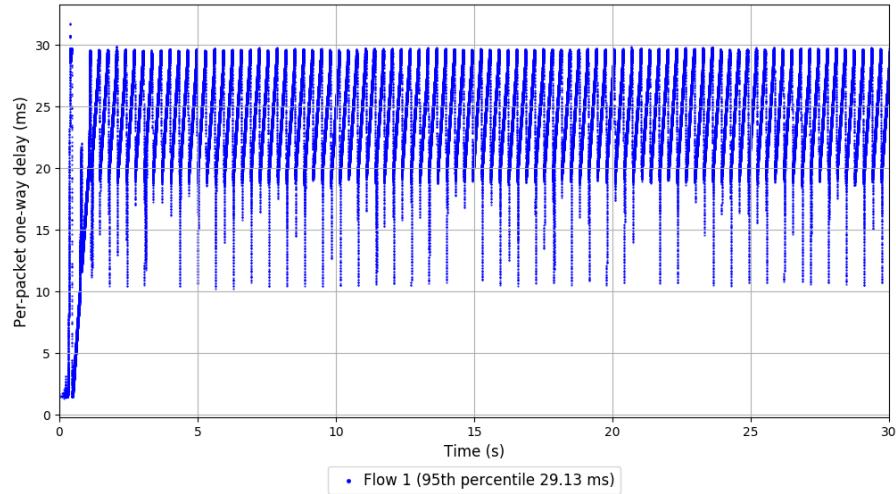
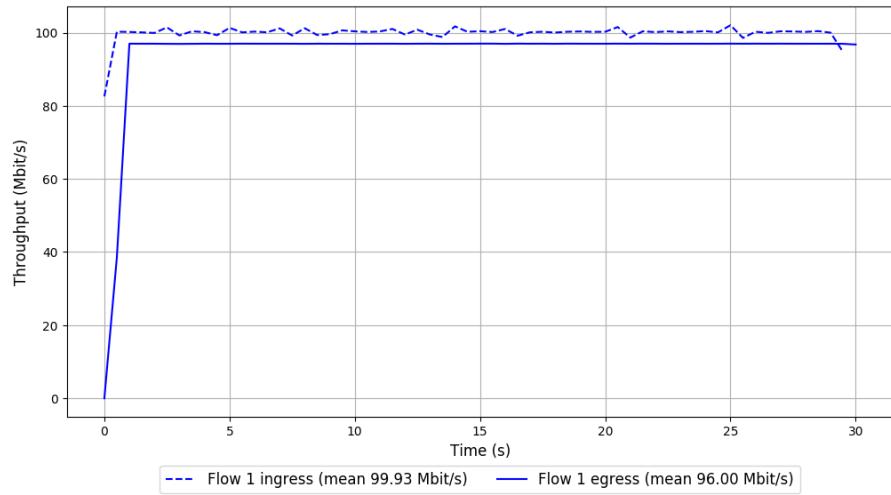


```
Run 1: Statistics of FillP

Start at: 2018-05-21 21:48:28
End at: 2018-05-21 21:48:58
Local clock offset: -1.25 ms
Remote clock offset: -2.147 ms

# Below is generated by plot.py at 2018-05-22 00:45:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.133 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.133 ms
Loss rate: 3.84%
```

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

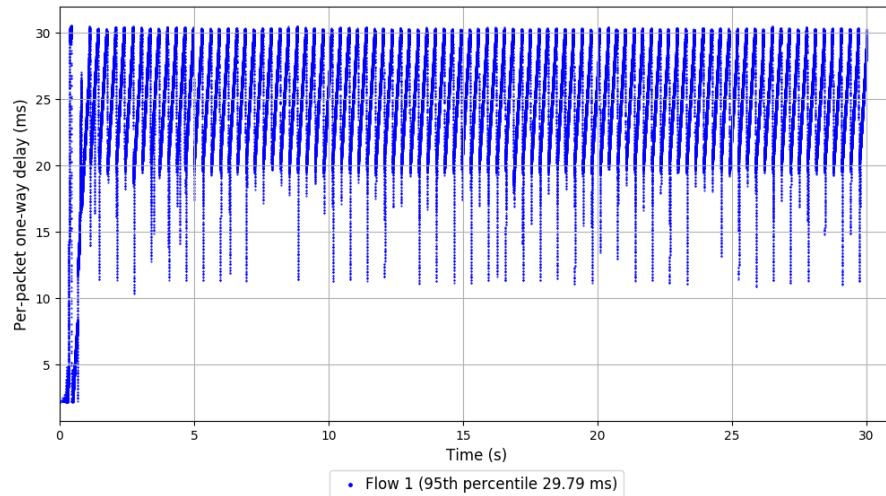
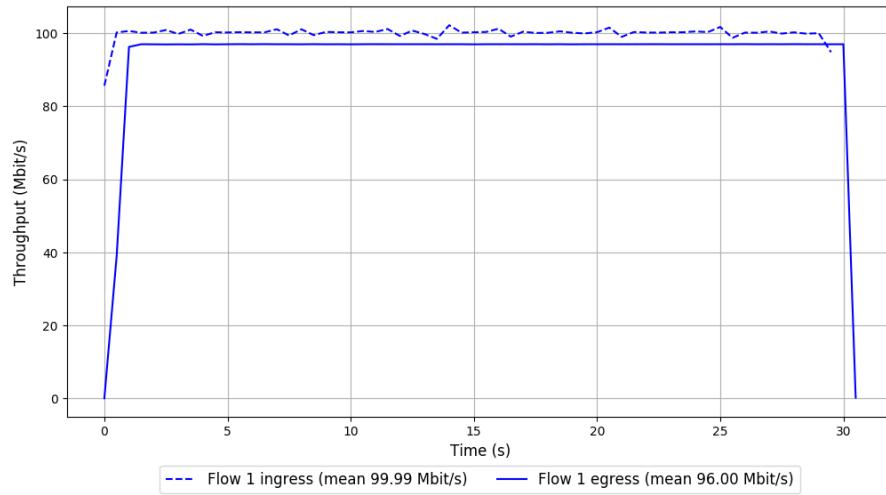


Run 2: Statistics of FillP

```
Start at: 2018-05-21 22:06:13
End at: 2018-05-21 22:06:43
Local clock offset: -3.518 ms
Remote clock offset: -1.968 ms

# Below is generated by plot.py at 2018-05-22 00:45:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.793 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.793 ms
Loss rate: 3.90%
```

## Run 2: Report of FillP — Data Link

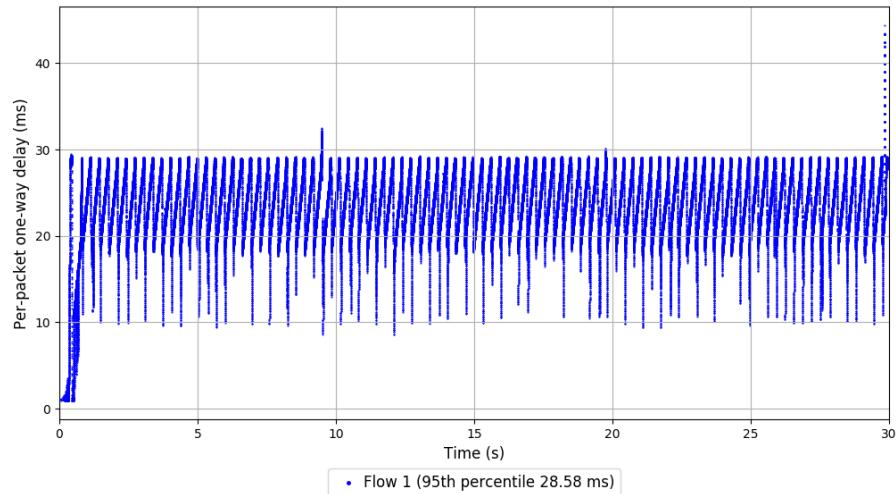
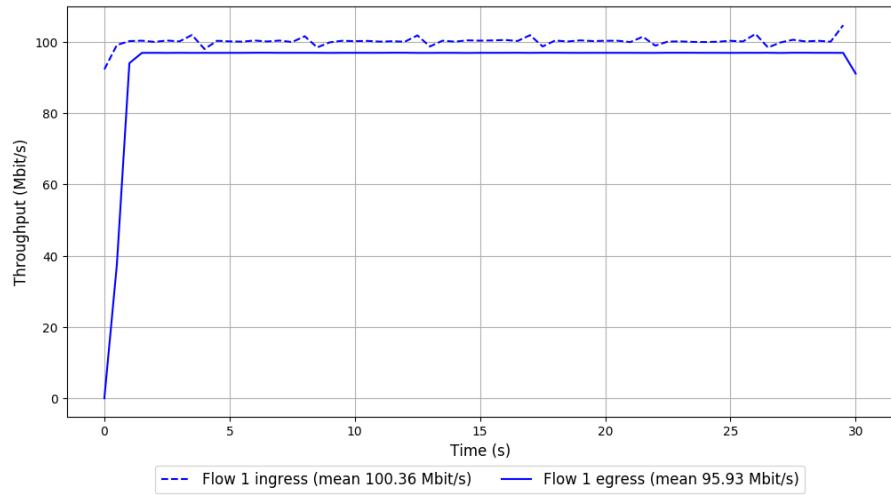


Run 3: Statistics of FillP

```
Start at: 2018-05-21 22:23:58
End at: 2018-05-21 22:24:28
Local clock offset: -3.466 ms
Remote clock offset: -1.68 ms

# Below is generated by plot.py at 2018-05-22 00:46:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 28.577 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 28.577 ms
Loss rate: 4.32%
```

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

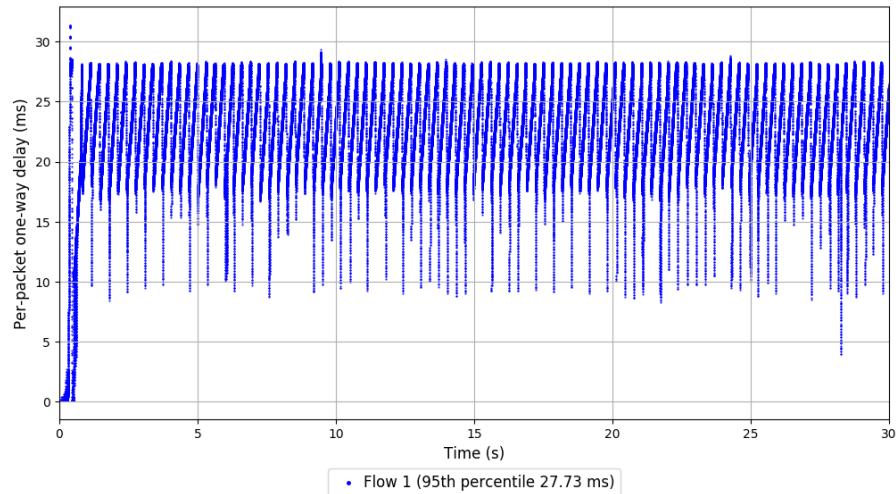
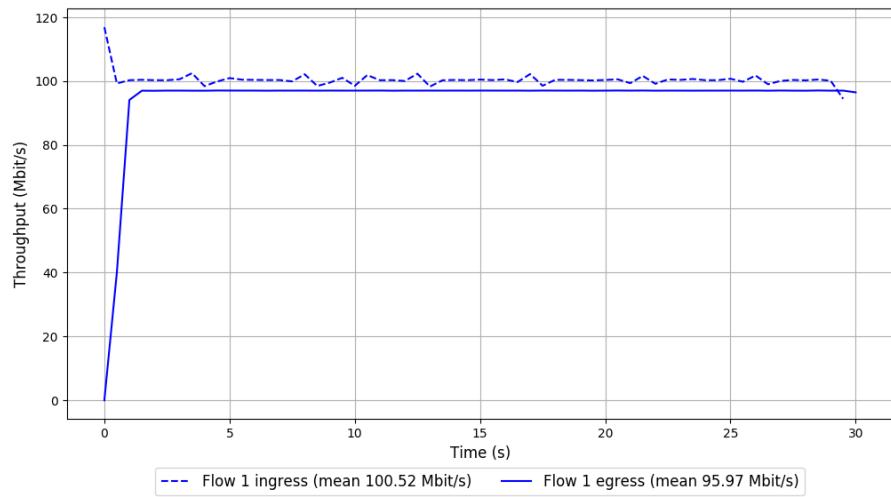


Run 4: Statistics of FillP

```
Start at: 2018-05-21 22:41:43
End at: 2018-05-21 22:42:13
Local clock offset: -3.704 ms
Remote clock offset: -1.845 ms

# Below is generated by plot.py at 2018-05-22 00:46:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 27.729 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 27.729 ms
Loss rate: 4.44%
```

## Run 4: Report of FillP — Data Link

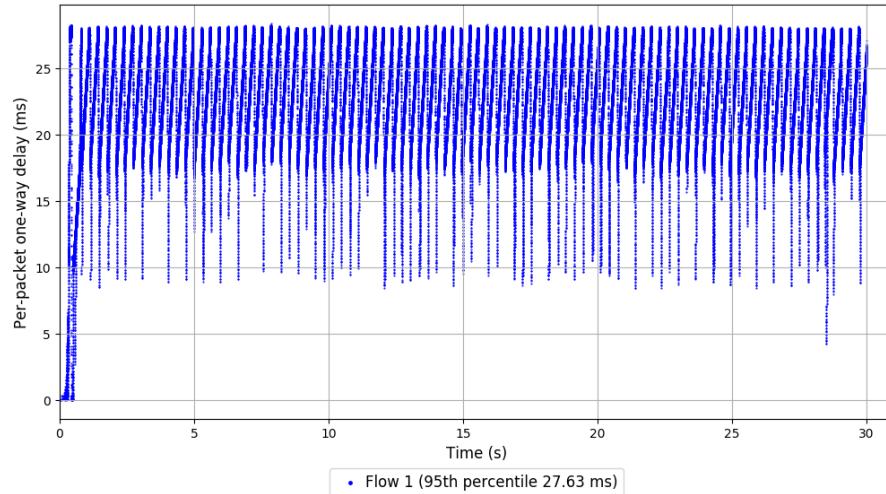
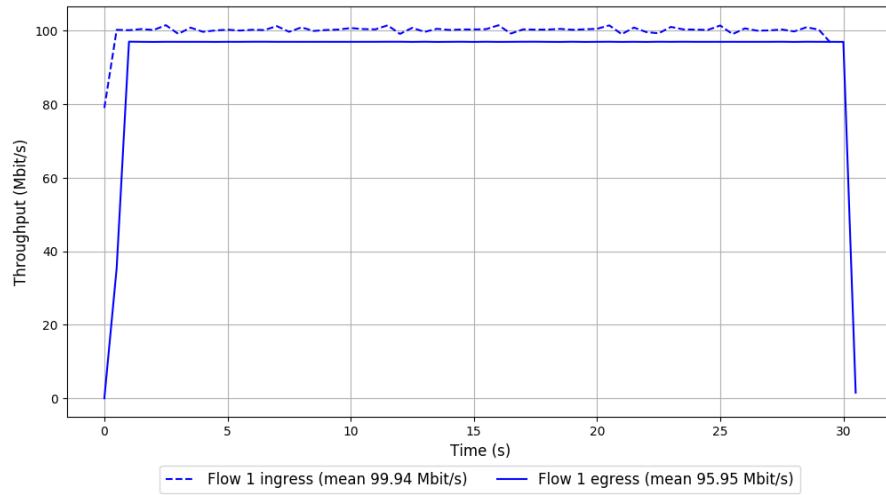


Run 5: Statistics of FillP

```
Start at: 2018-05-21 22:59:28
End at: 2018-05-21 22:59:58
Local clock offset: -3.624 ms
Remote clock offset: -1.98 ms

# Below is generated by plot.py at 2018-05-22 00:46:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 27.631 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 27.631 ms
Loss rate: 3.91%
```

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

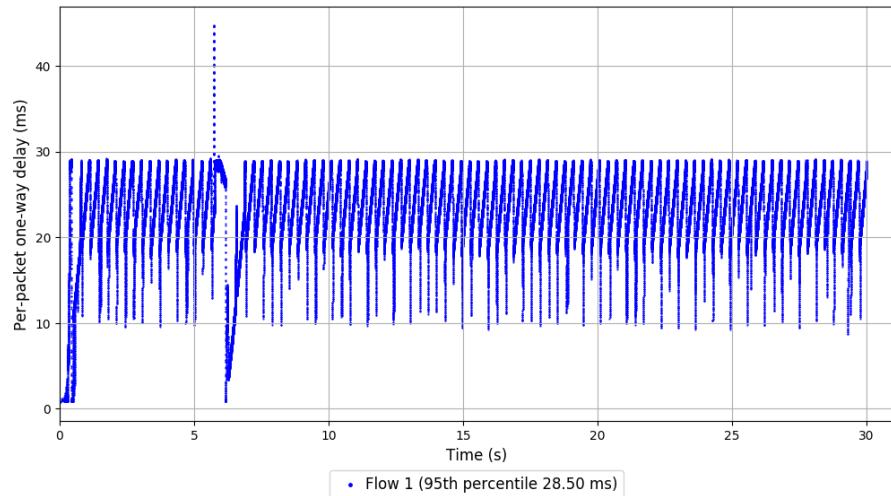
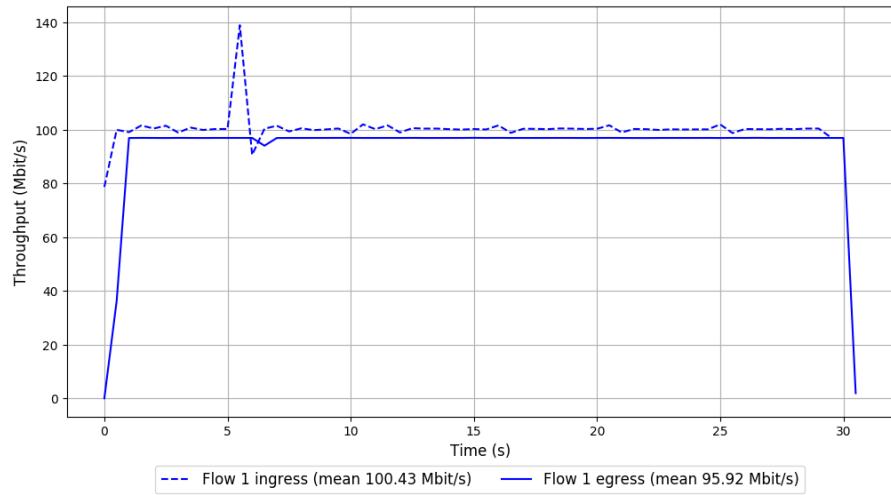


Run 6: Statistics of FillP

```
Start at: 2018-05-21 23:17:13
End at: 2018-05-21 23:17:43
Local clock offset: -5.038 ms
Remote clock offset: -2.195 ms

# Below is generated by plot.py at 2018-05-22 00:46:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 28.499 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 28.499 ms
Loss rate: 4.41%
```

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

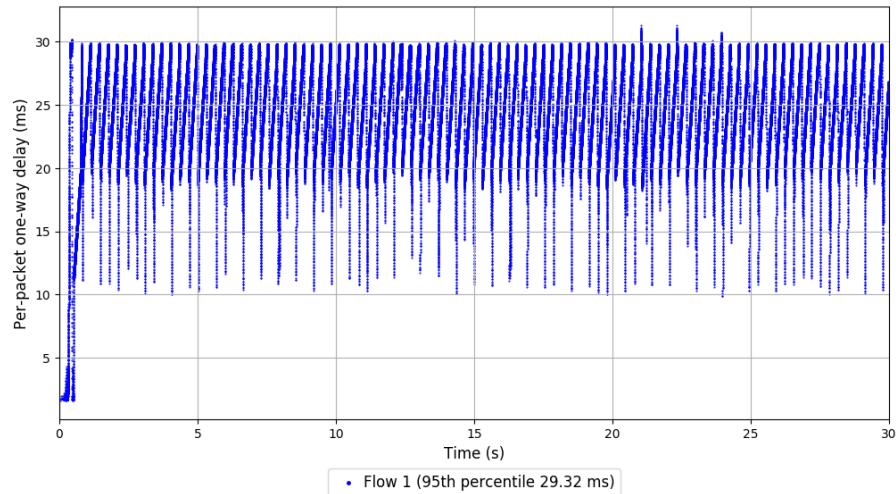
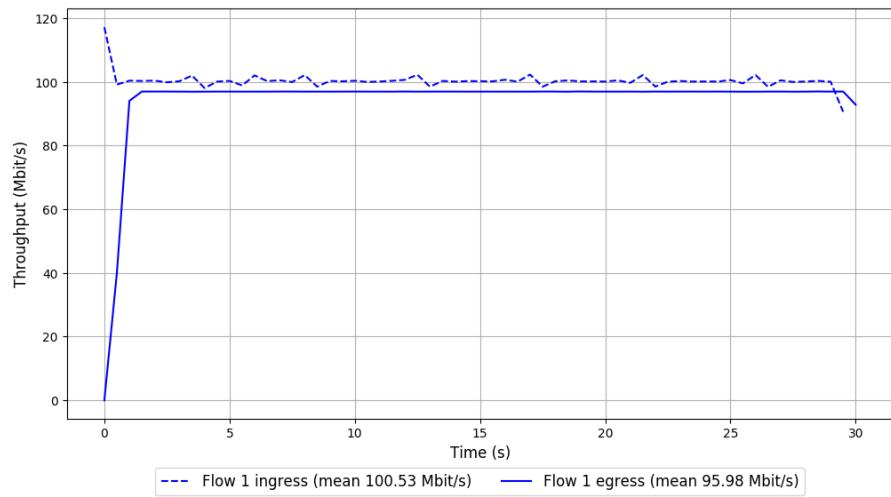


Run 7: Statistics of FillP

```
Start at: 2018-05-21 23:35:03
End at: 2018-05-21 23:35:33
Local clock offset: -5.792 ms
Remote clock offset: -2.251 ms

# Below is generated by plot.py at 2018-05-22 00:46:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.316 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.316 ms
Loss rate: 4.44%
```

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

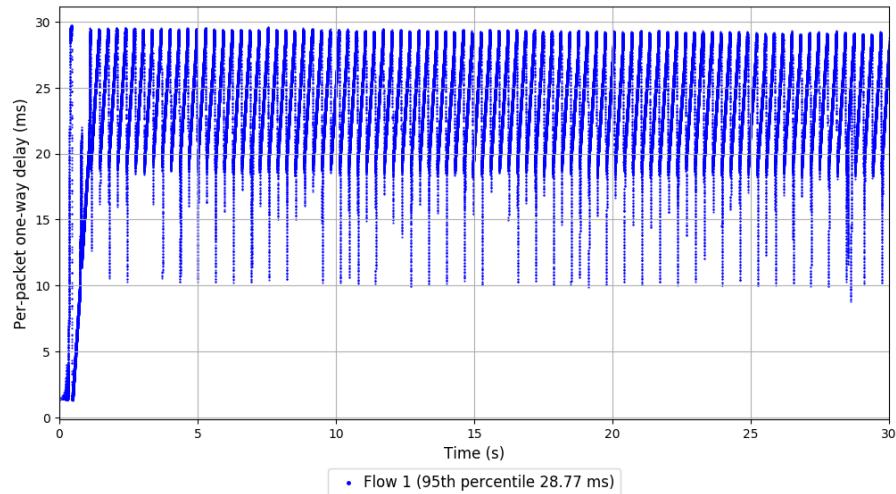
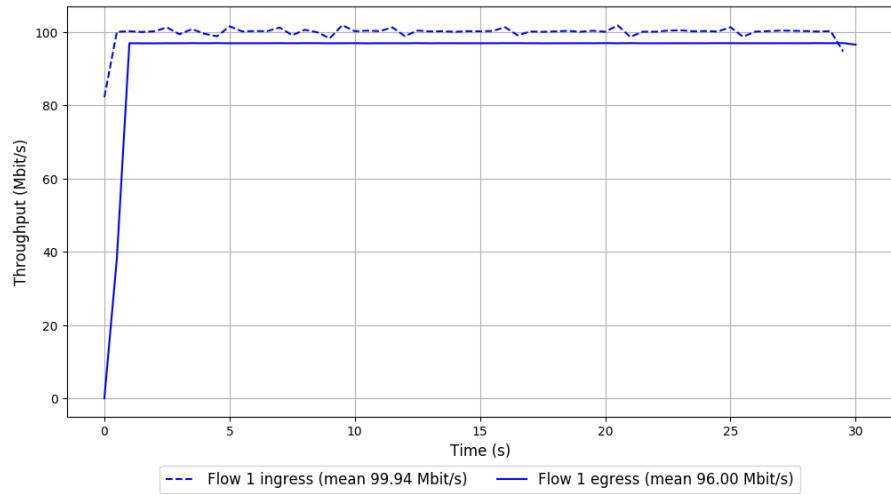


Run 8: Statistics of FillP

```
Start at: 2018-05-21 23:52:48
End at: 2018-05-21 23:53:18
Local clock offset: -4.108 ms
Remote clock offset: 11.312 ms

# Below is generated by plot.py at 2018-05-22 00:46:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 28.774 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 28.774 ms
Loss rate: 3.86%
```

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

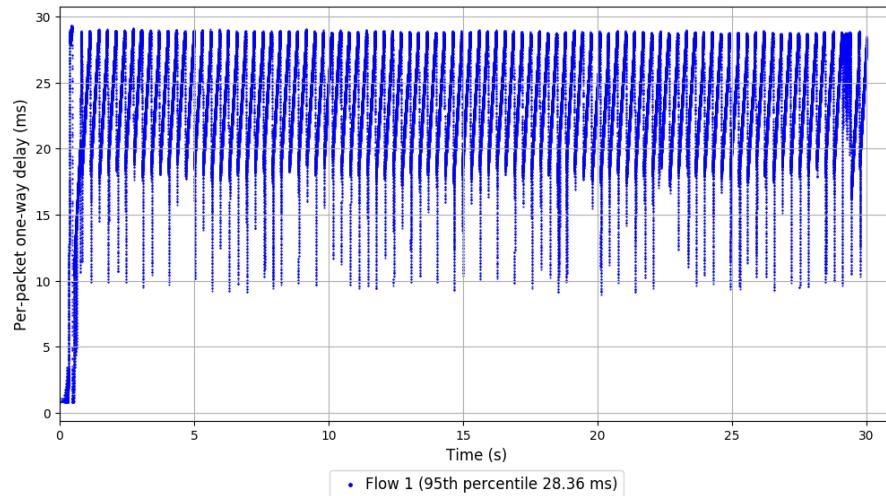
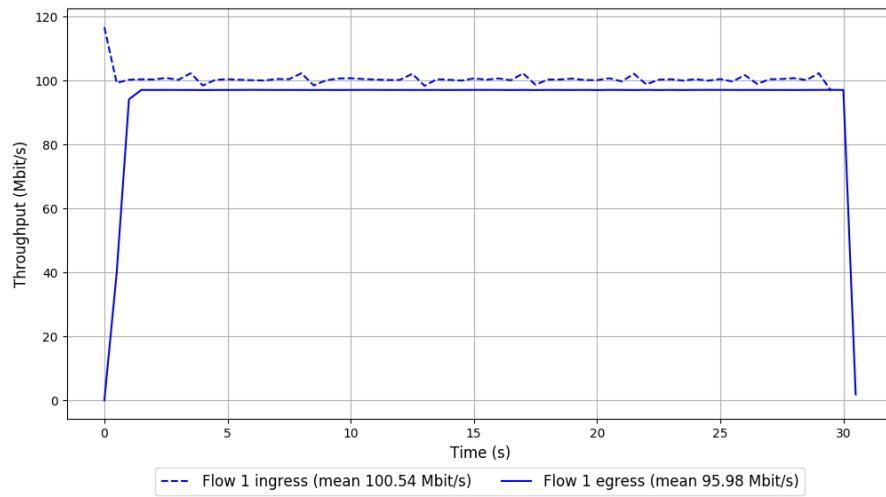


Run 9: Statistics of FillP

```
Start at: 2018-05-22 00:10:33
End at: 2018-05-22 00:11:03
Local clock offset: -5.662 ms
Remote clock offset: 20.782 ms

# Below is generated by plot.py at 2018-05-22 00:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 28.361 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 28.361 ms
Loss rate: 4.45%
```

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

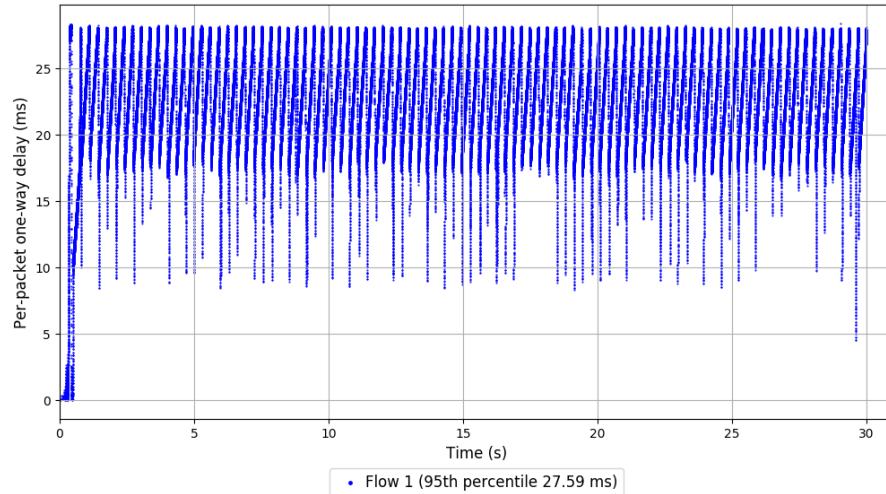
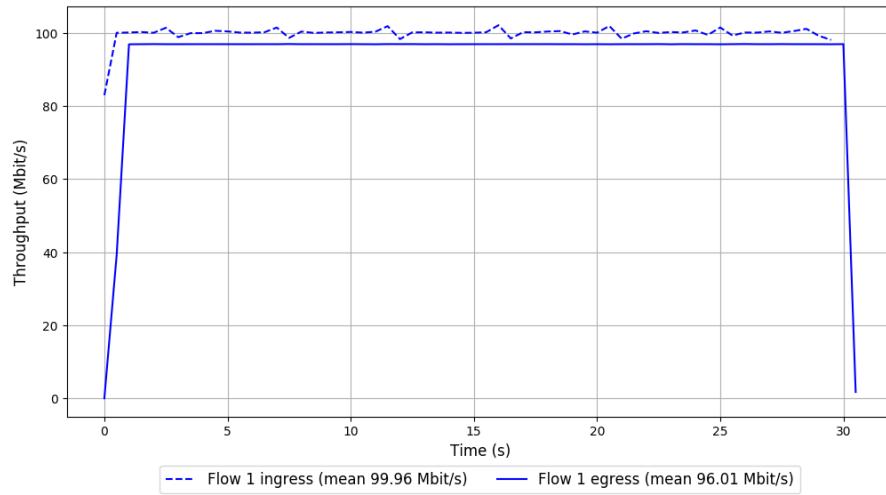


Run 10: Statistics of FillP

```
Start at: 2018-05-22 00:28:18
End at: 2018-05-22 00:28:48
Local clock offset: -4.962 ms
Remote clock offset: 26.85 ms

# Below is generated by plot.py at 2018-05-22 00:47:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 27.588 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 27.588 ms
Loss rate: 3.86%
```

### Run 10: Report of FillP — Data Link

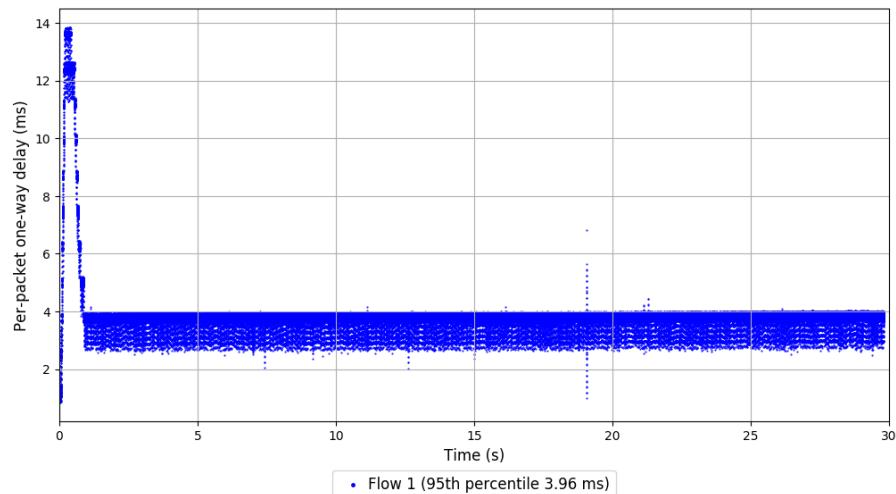
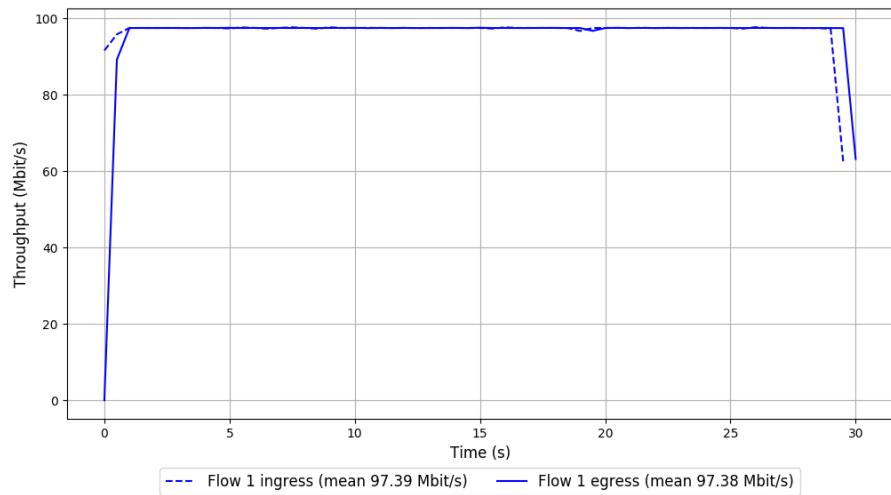


Run 1: Statistics of Indigo

```
Start at: 2018-05-21 21:52:59
End at: 2018-05-21 21:53:29
Local clock offset: -1.334 ms
Remote clock offset: -2.111 ms

# Below is generated by plot.py at 2018-05-22 00:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 3.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 3.962 ms
Loss rate: 0.00%
```

## Run 1: Report of Indigo — Data Link

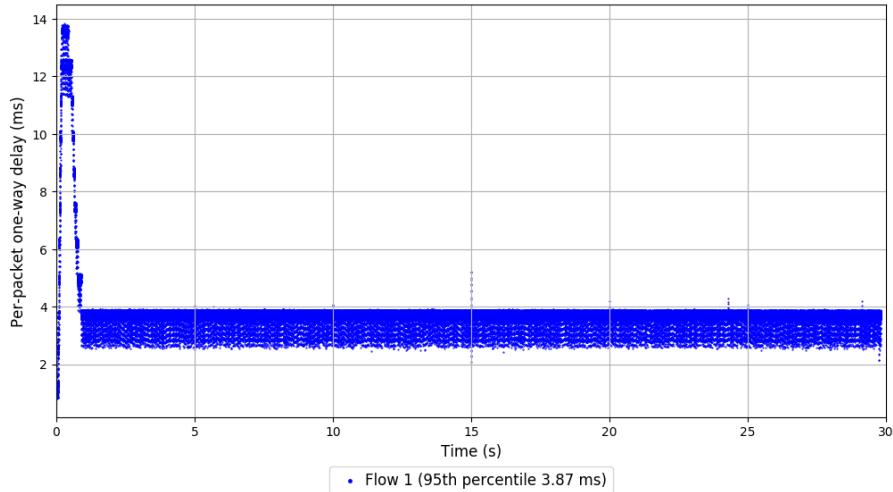
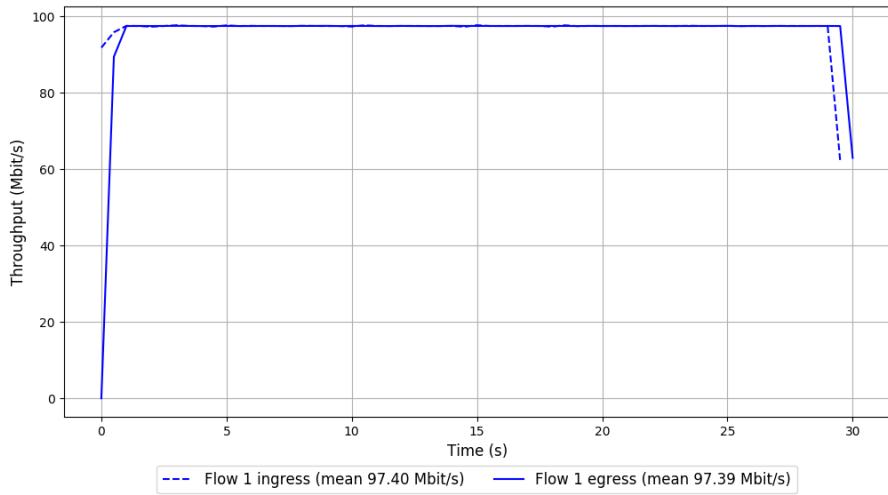


Run 2: Statistics of Indigo

```
Start at: 2018-05-21 22:10:44
End at: 2018-05-21 22:11:14
Local clock offset: -3.842 ms
Remote clock offset: -1.837 ms

# Below is generated by plot.py at 2018-05-22 00:47:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 3.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 3.866 ms
Loss rate: 0.00%
```

## Run 2: Report of Indigo — Data Link

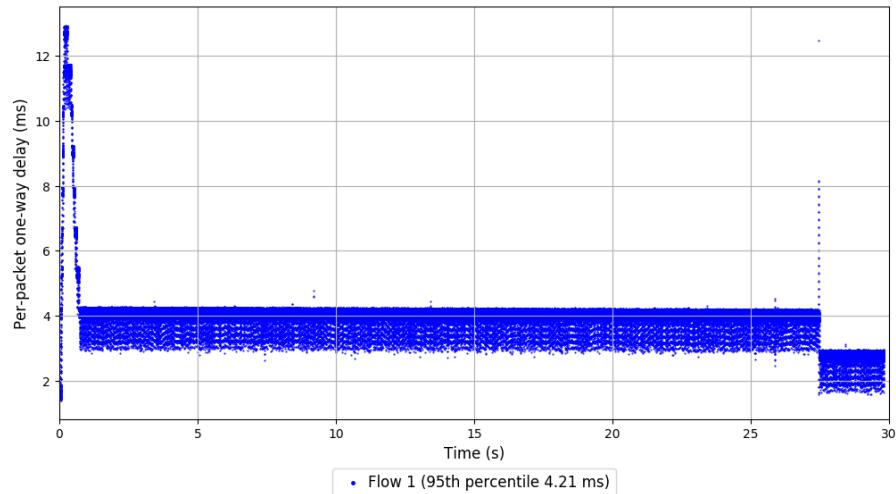
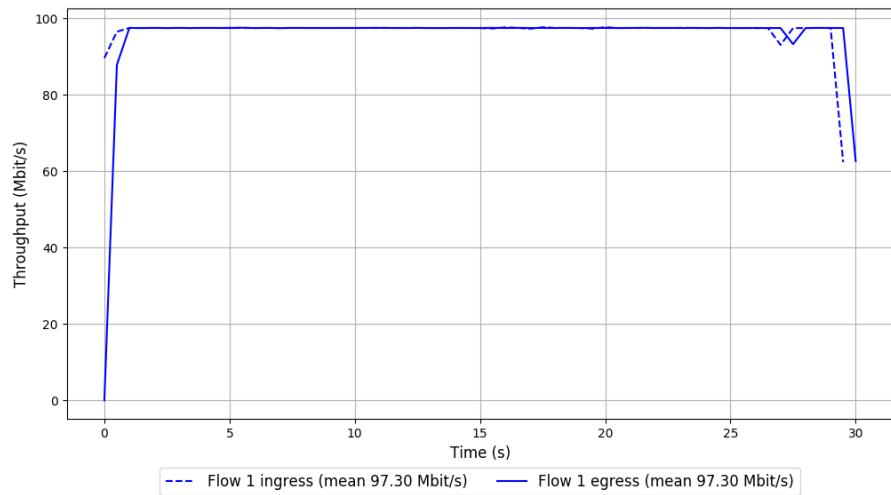


Run 3: Statistics of Indigo

```
Start at: 2018-05-21 22:28:29
End at: 2018-05-21 22:28:59
Local clock offset: -2.861 ms
Remote clock offset: -1.687 ms

# Below is generated by plot.py at 2018-05-22 00:47:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 4.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 4.214 ms
Loss rate: 0.00%
```

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

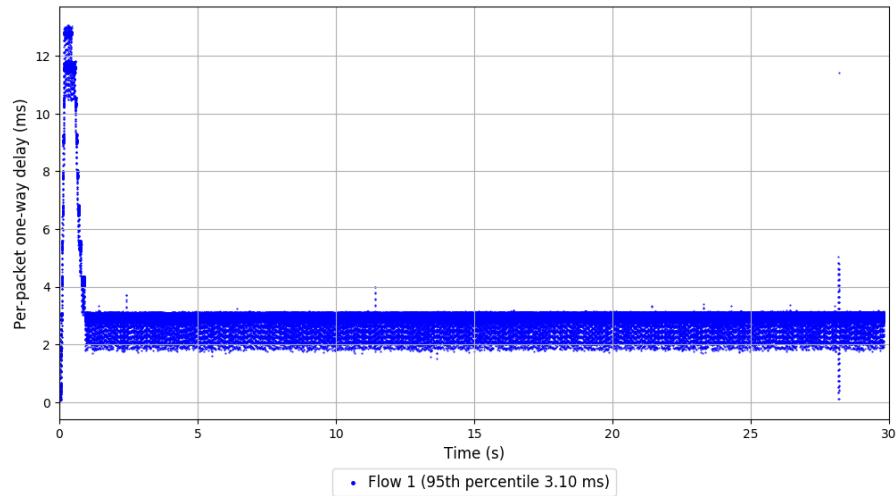
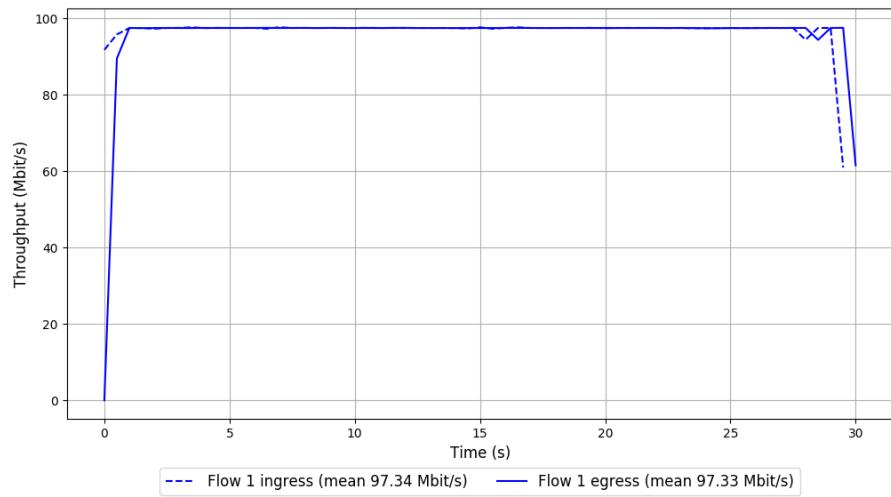


Run 4: Statistics of Indigo

```
Start at: 2018-05-21 22:46:14
End at: 2018-05-21 22:46:44
Local clock offset: -3.622 ms
Remote clock offset: -1.879 ms

# Below is generated by plot.py at 2018-05-22 00:47:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.00%
```

## Run 4: Report of Indigo — Data Link

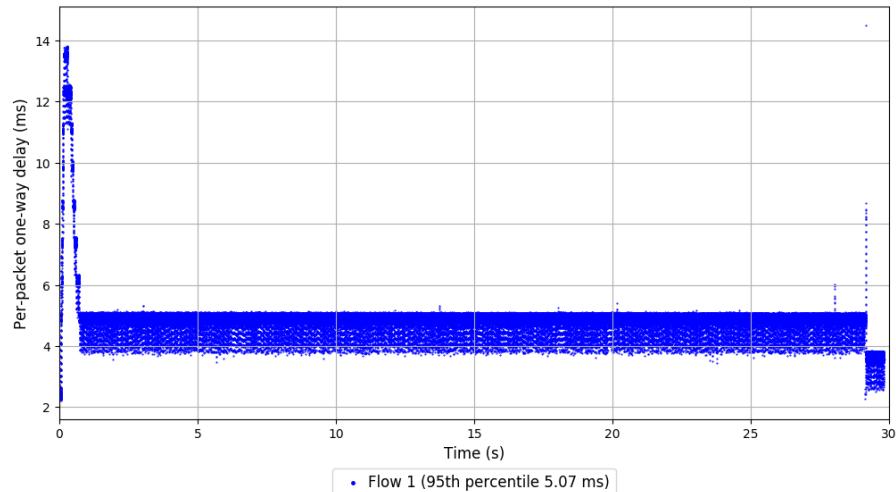
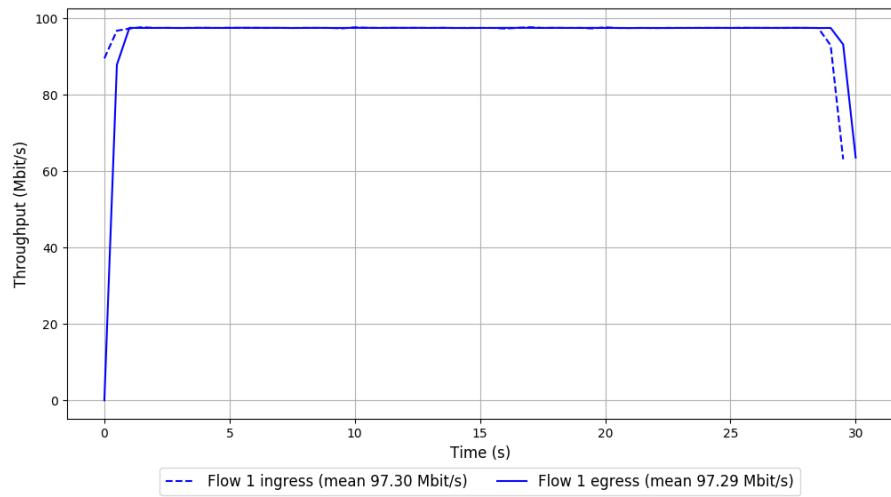


Run 5: Statistics of Indigo

```
Start at: 2018-05-21 23:03:59
End at: 2018-05-21 23:04:29
Local clock offset: -4.76 ms
Remote clock offset: -2.009 ms

# Below is generated by plot.py at 2018-05-22 00:47:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 5.065 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 5.065 ms
Loss rate: 0.01%
```

## Run 5: Report of Indigo — Data Link

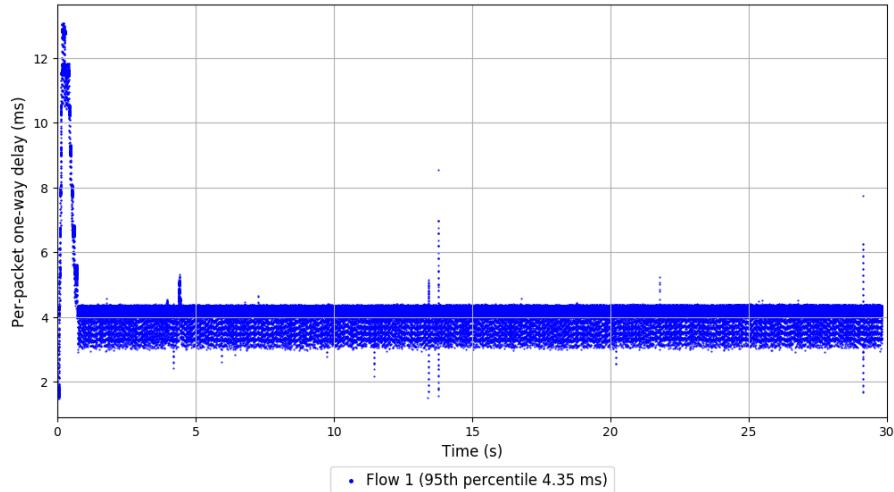
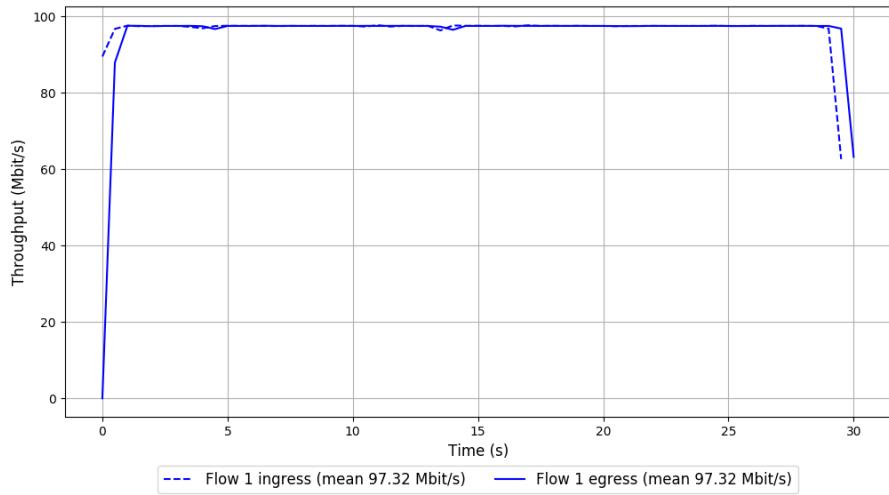


Run 6: Statistics of Indigo

```
Start at: 2018-05-21 23:21:44
End at: 2018-05-21 23:22:14
Local clock offset: -4.145 ms
Remote clock offset: -2.137 ms

# Below is generated by plot.py at 2018-05-22 00:47:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 4.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 4.349 ms
Loss rate: 0.00%
```

## Run 6: Report of Indigo — Data Link

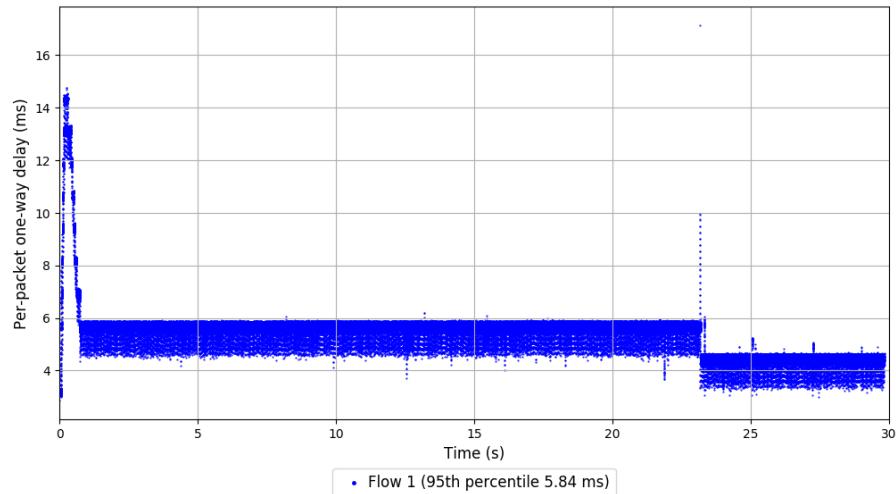
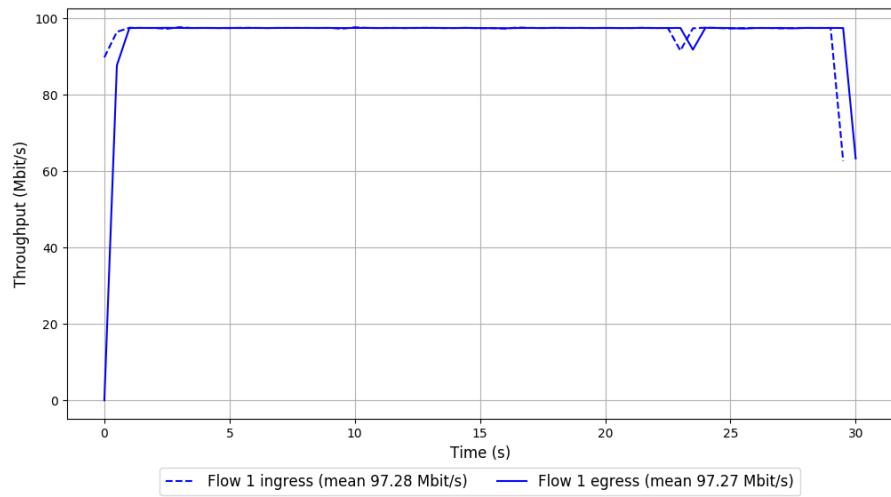


Run 7: Statistics of Indigo

```
Start at: 2018-05-21 23:39:34
End at: 2018-05-21 23:40:04
Local clock offset: -5.873 ms
Remote clock offset: -2.472 ms

# Below is generated by plot.py at 2018-05-22 00:49:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 5.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 5.843 ms
Loss rate: 0.00%
```

## Run 7: Report of Indigo — Data Link

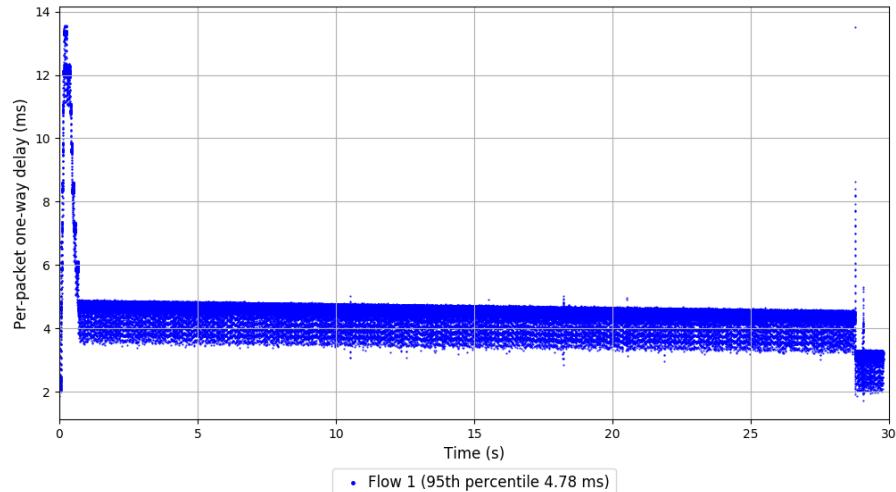
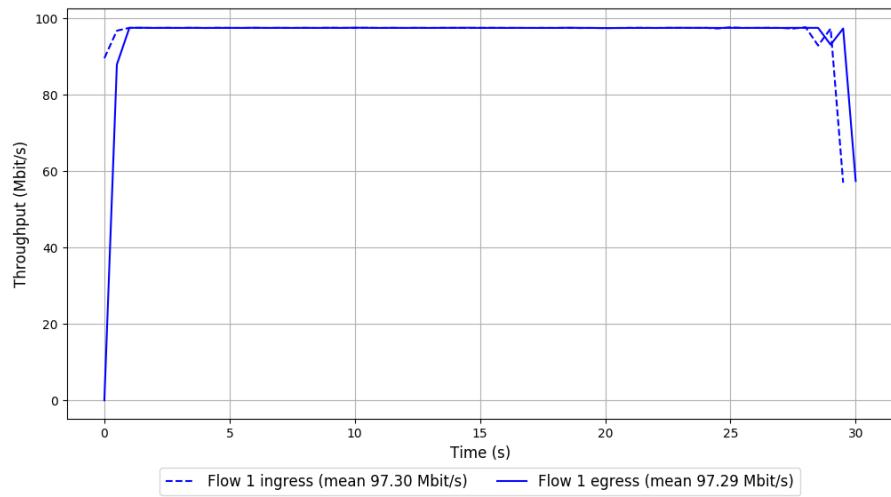


Run 8: Statistics of Indigo

```
Start at: 2018-05-21 23:57:19
End at: 2018-05-21 23:57:49
Local clock offset: -4.894 ms
Remote clock offset: 14.485 ms

# Below is generated by plot.py at 2018-05-22 00:49:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 4.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 4.784 ms
Loss rate: 0.00%
```

## Run 8: Report of Indigo — Data Link

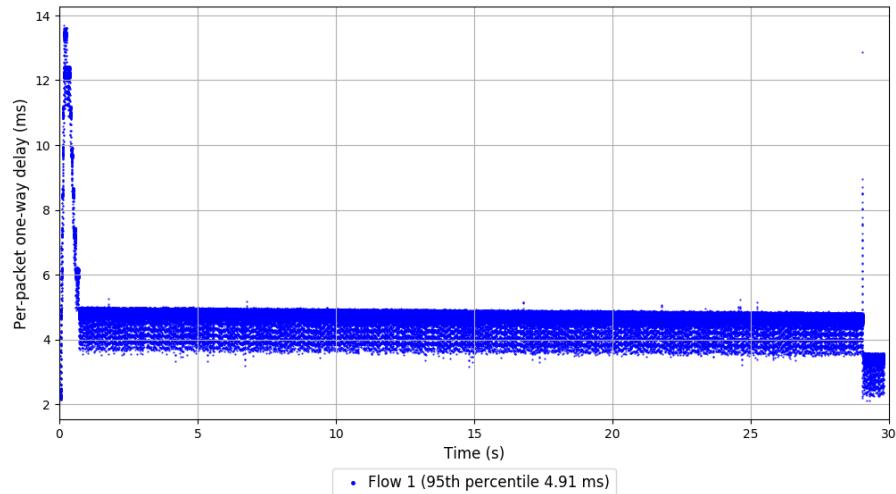
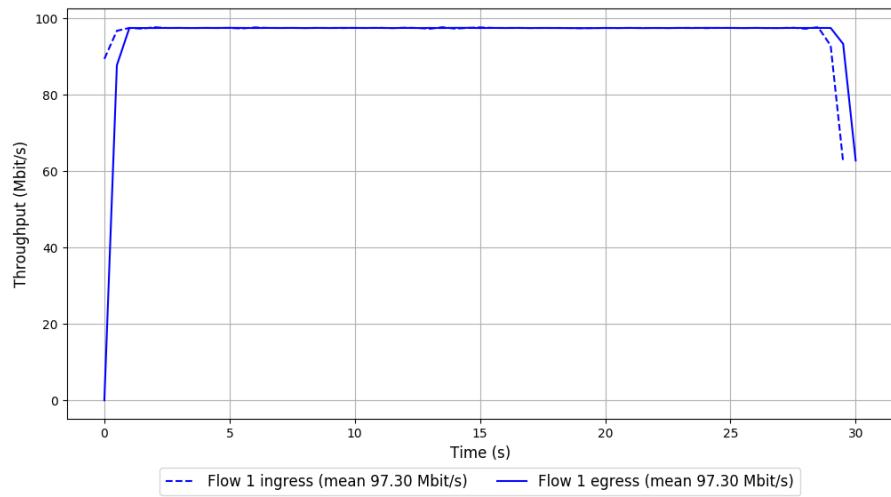


Run 9: Statistics of Indigo

```
Start at: 2018-05-22 00:15:04
End at: 2018-05-22 00:15:35
Local clock offset: -5.687 ms
Remote clock offset: 22.364 ms

# Below is generated by plot.py at 2018-05-22 00:49:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 4.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 4.906 ms
Loss rate: 0.00%
```

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

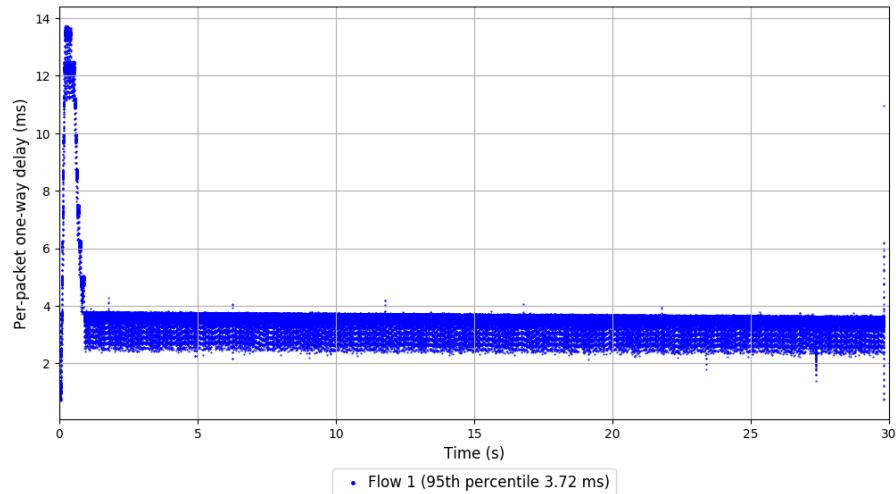
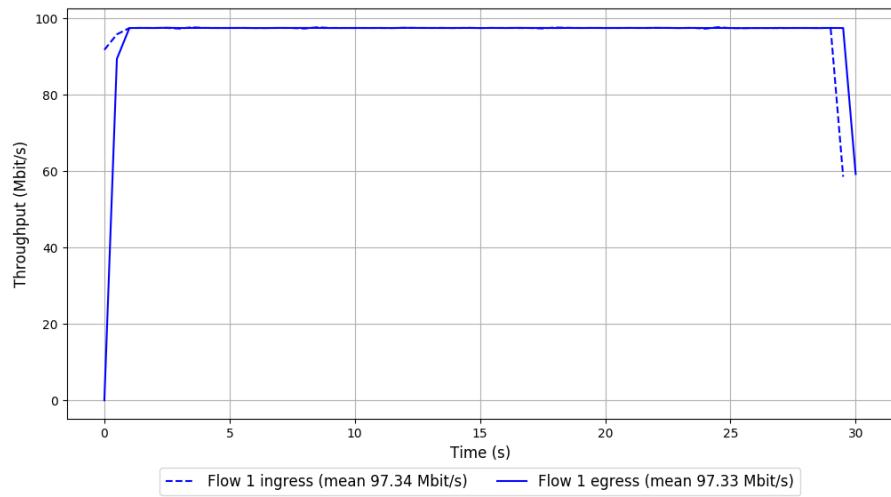


Run 10: Statistics of Indigo

```
Start at: 2018-05-22 00:32:50
End at: 2018-05-22 00:33:20
Local clock offset: -5.67 ms
Remote clock offset: 28.257 ms

# Below is generated by plot.py at 2018-05-22 00:49:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 3.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 3.724 ms
Loss rate: 0.00%
```

## Run 10: Report of Indigo — Data Link

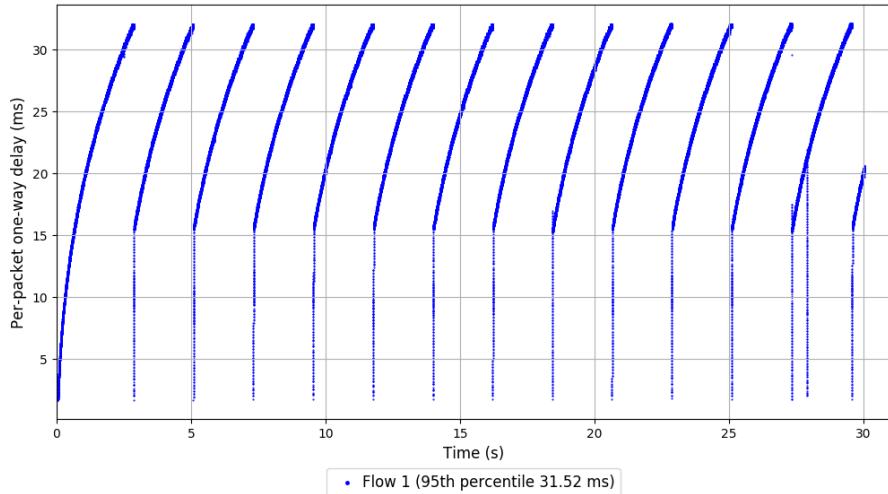
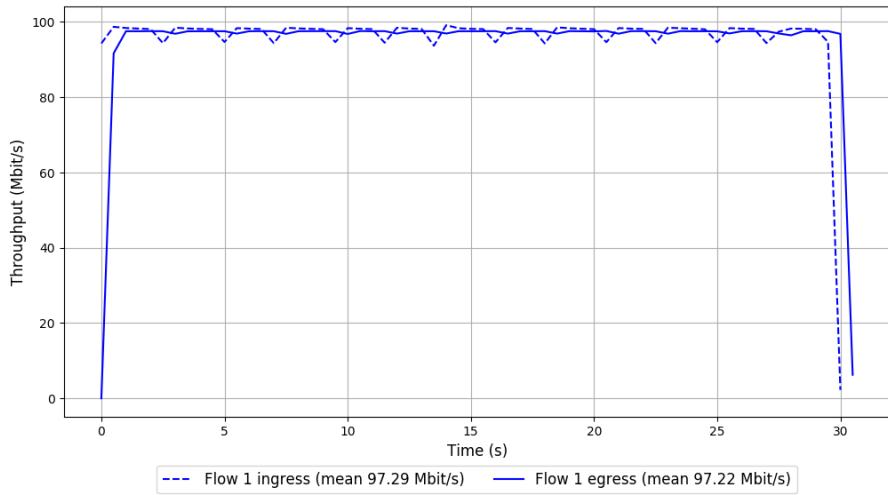


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-05-21 21:54:08
End at: 2018-05-21 21:54:38
Local clock offset: -2.003 ms
Remote clock offset: -2.172 ms

# Below is generated by plot.py at 2018-05-22 00:49:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 31.518 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 31.518 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

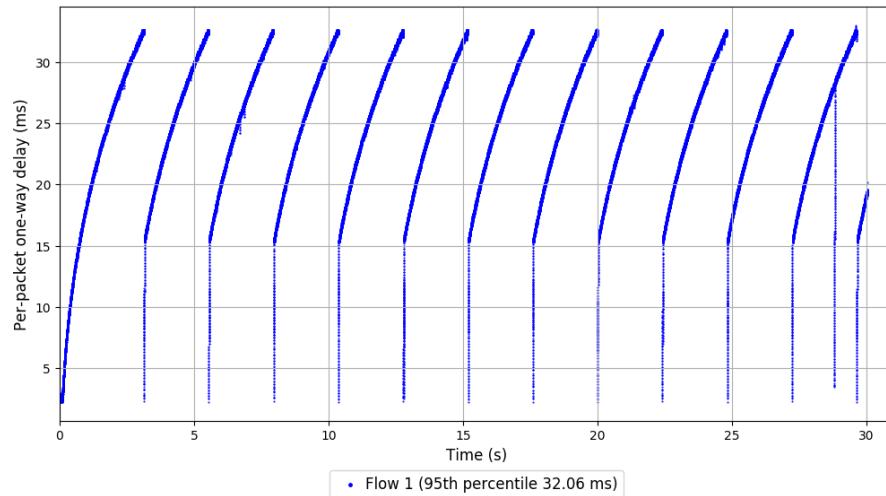
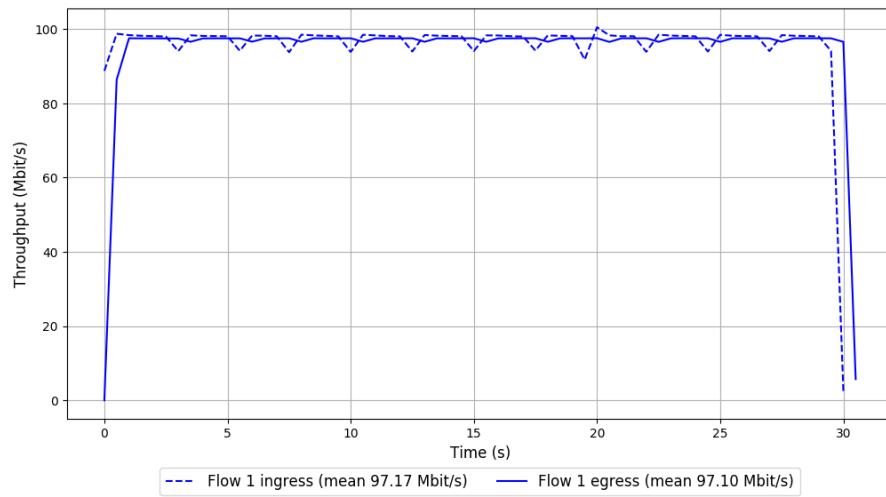


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-21 22:11:53
End at: 2018-05-21 22:12:23
Local clock offset: -3.867 ms
Remote clock offset: -1.856 ms

# Below is generated by plot.py at 2018-05-22 00:49:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.062 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.062 ms
Loss rate: 0.01%
```

## Run 2: Report of LEDBAT — Data Link

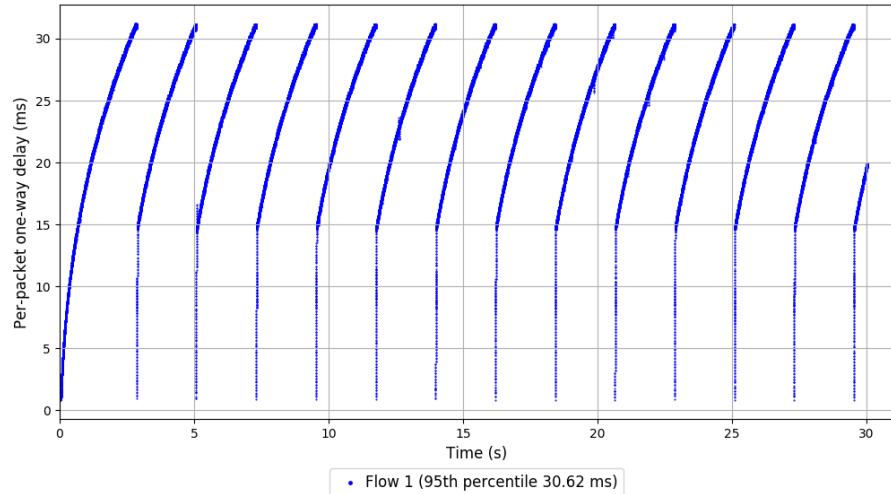
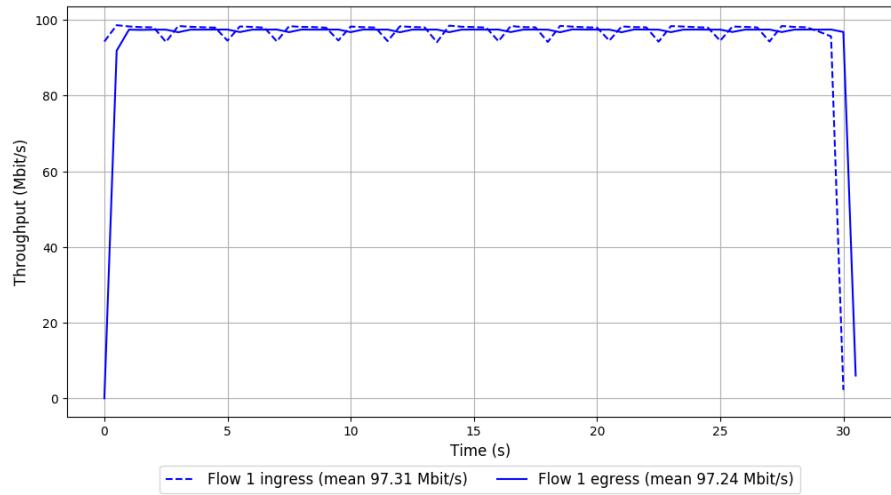


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-21 22:29:38
End at: 2018-05-21 22:30:08
Local clock offset: -3.851 ms
Remote clock offset: -1.618 ms

# Below is generated by plot.py at 2018-05-22 00:49:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 30.618 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 30.618 ms
Loss rate: 0.01%
```

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

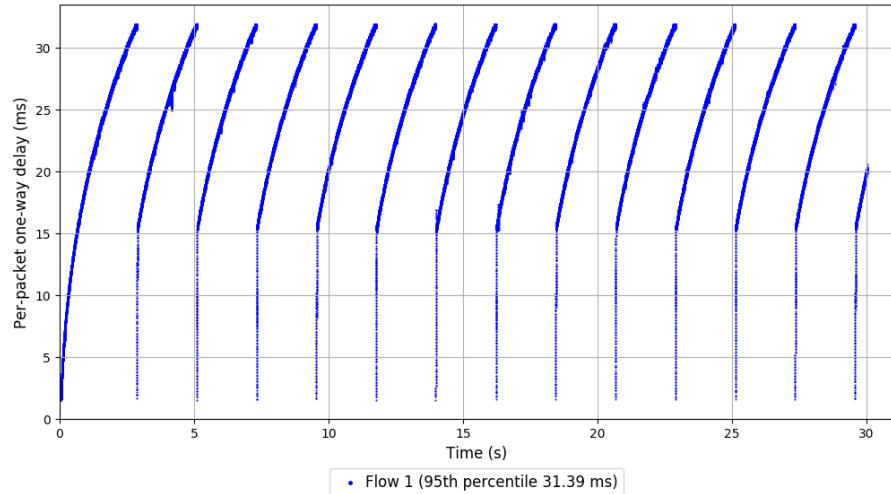
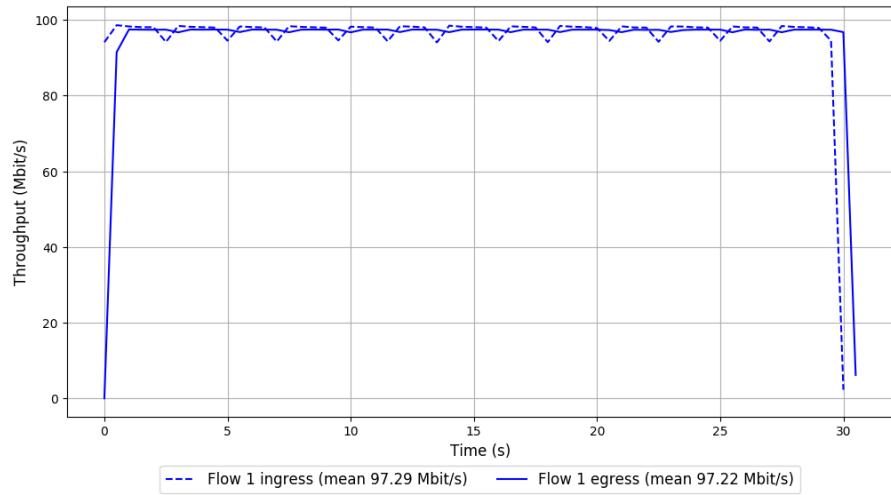


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-21 22:47:23
End at: 2018-05-21 22:47:53
Local clock offset: -5.137 ms
Remote clock offset: -1.927 ms

# Below is generated by plot.py at 2018-05-22 00:49:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 31.385 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 31.385 ms
Loss rate: 0.01%
```

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

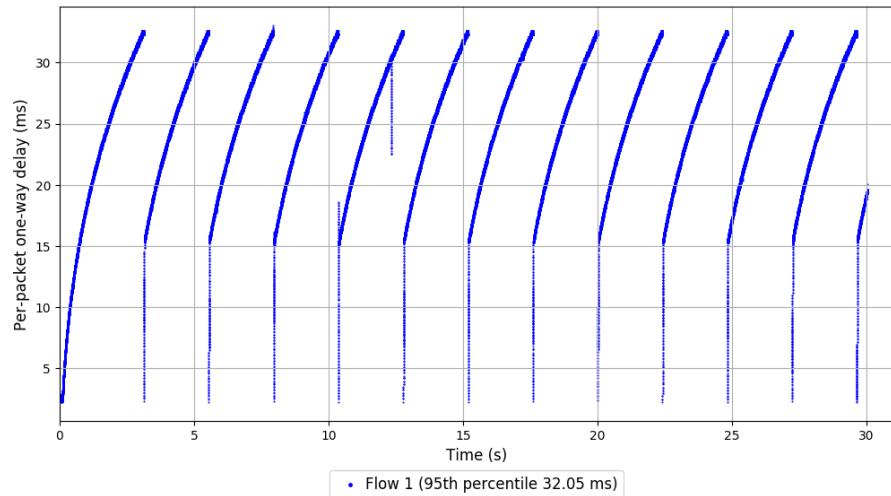
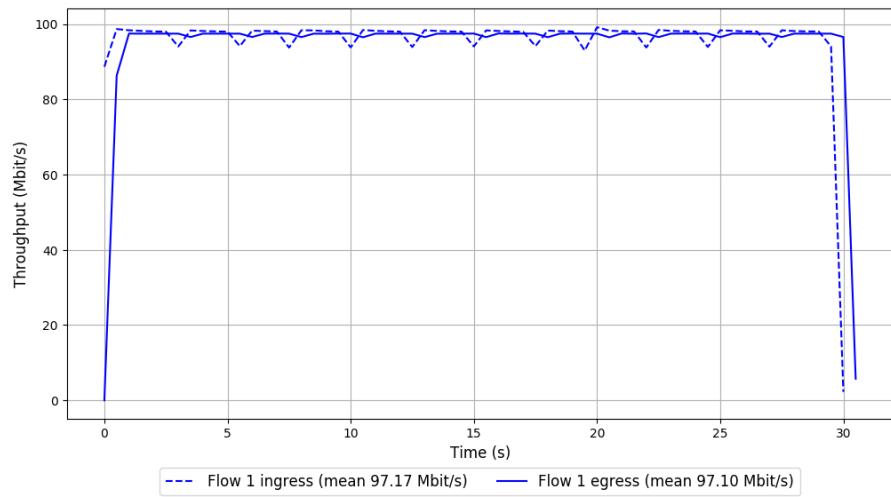


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-21 23:05:07
End at: 2018-05-21 23:05:37
Local clock offset: -4.819 ms
Remote clock offset: -2.038 ms

# Below is generated by plot.py at 2018-05-22 00:50:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.046 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.046 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

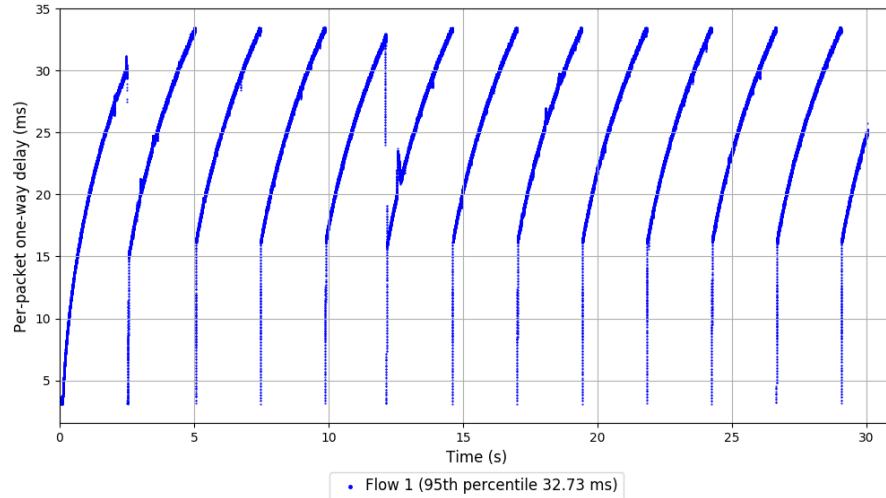
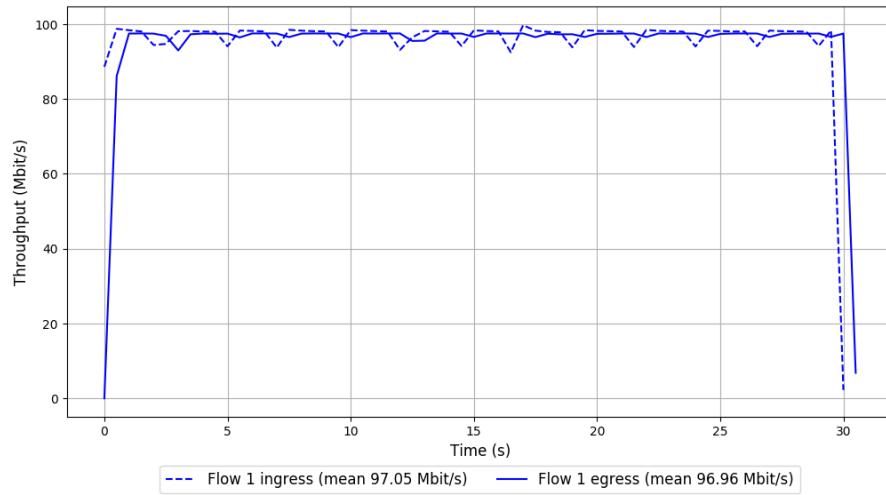


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-21 23:22:53
End at: 2018-05-21 23:23:23
Local clock offset: -5.674 ms
Remote clock offset: -2.106 ms

# Below is generated by plot.py at 2018-05-22 00:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 32.729 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 32.729 ms
Loss rate: 0.02%
```

Run 6: Report of LEDBAT — Data Link

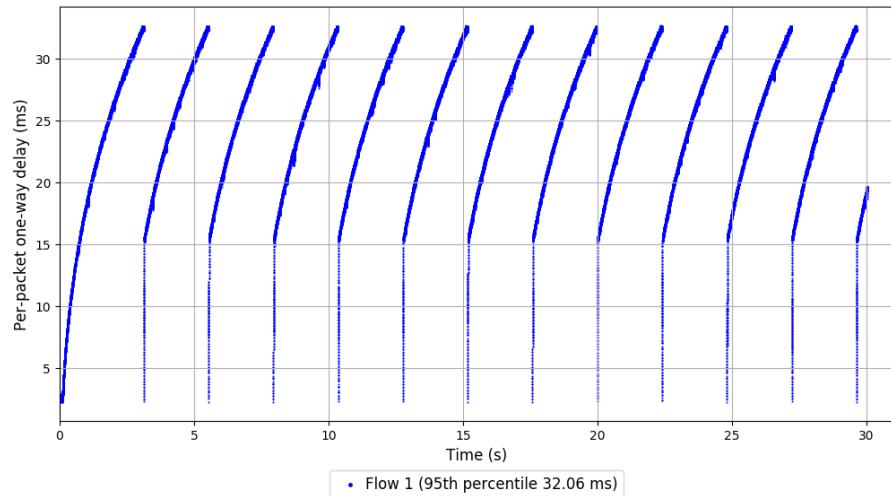
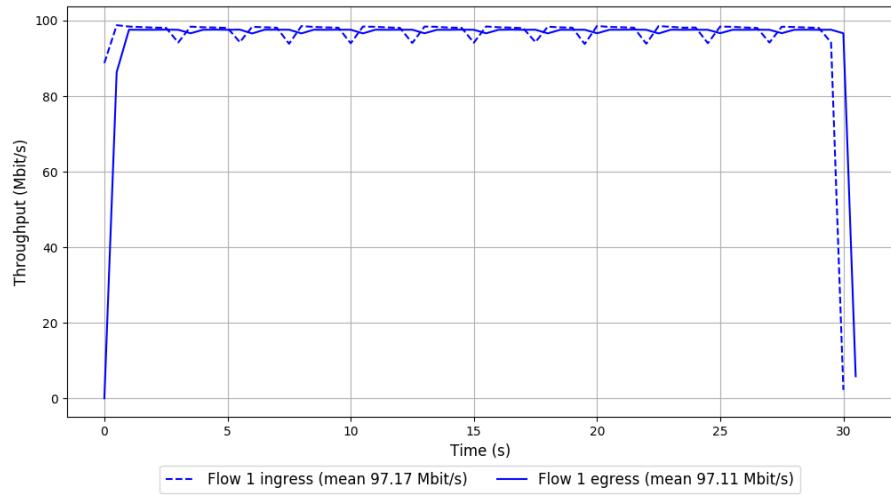


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-21 23:40:43
End at: 2018-05-21 23:41:13
Local clock offset: -5.033 ms
Remote clock offset: -2.409 ms

# Below is generated by plot.py at 2018-05-22 00:50:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.057 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.057 ms
Loss rate: 0.01%
```

Run 7: Report of LEDBAT — Data Link

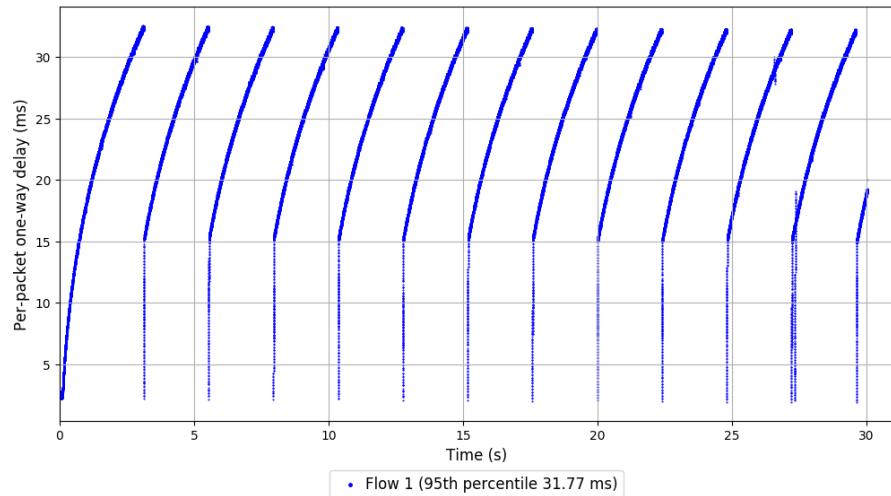
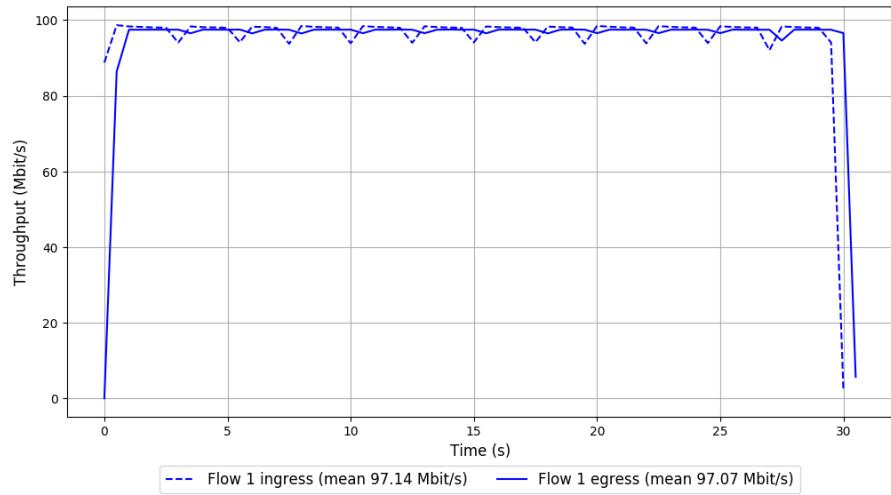


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-21 23:58:28
End at: 2018-05-21 23:58:58
Local clock offset: -5.0 ms
Remote clock offset: 15.314 ms

# Below is generated by plot.py at 2018-05-22 00:50:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 31.770 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 31.770 ms
Loss rate: 0.01%
```

Run 8: Report of LEDBAT — Data Link

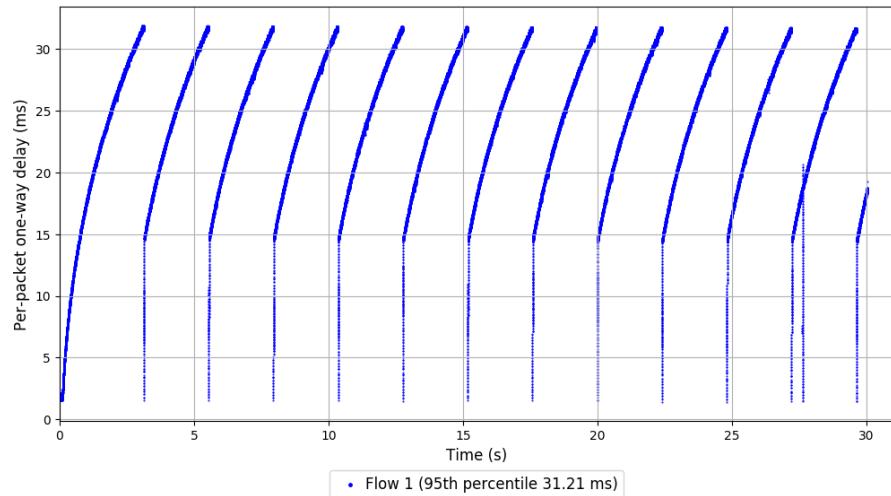
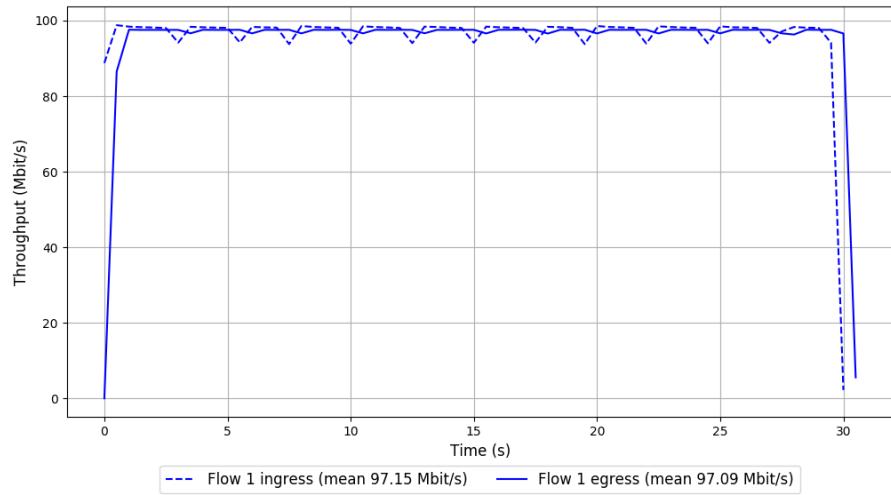


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-22 00:16:13
End at: 2018-05-22 00:16:43
Local clock offset: -4.931 ms
Remote clock offset: 22.911 ms

# Below is generated by plot.py at 2018-05-22 00:50:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 31.206 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 31.206 ms
Loss rate: 0.01%
```

Run 9: Report of LEDBAT — Data Link

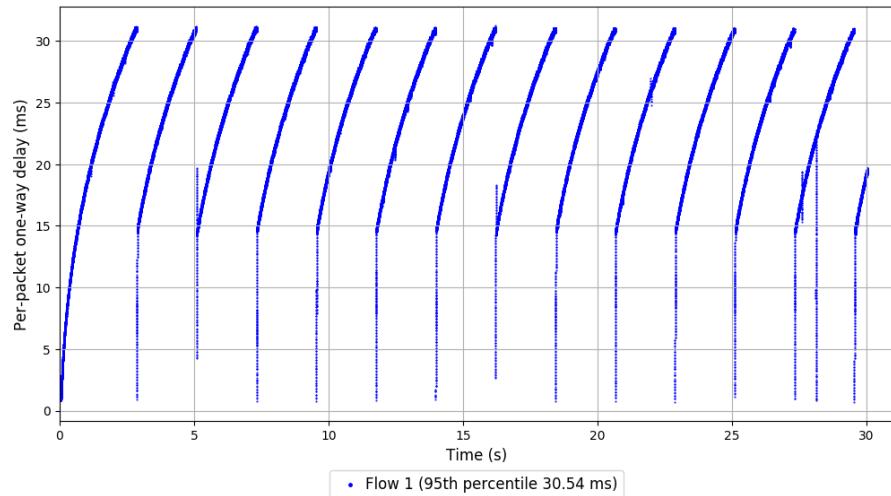
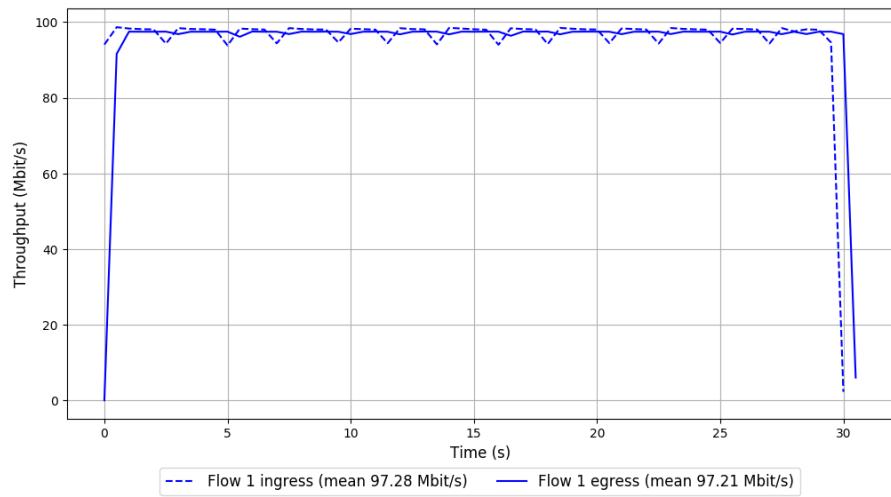


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-22 00:33:58
End at: 2018-05-22 00:34:28
Local clock offset: -5.659 ms
Remote clock offset: 28.703 ms

# Below is generated by plot.py at 2018-05-22 00:50:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 30.539 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 30.539 ms
Loss rate: 0.01%
```

### Run 10: Report of LEDBAT — Data Link

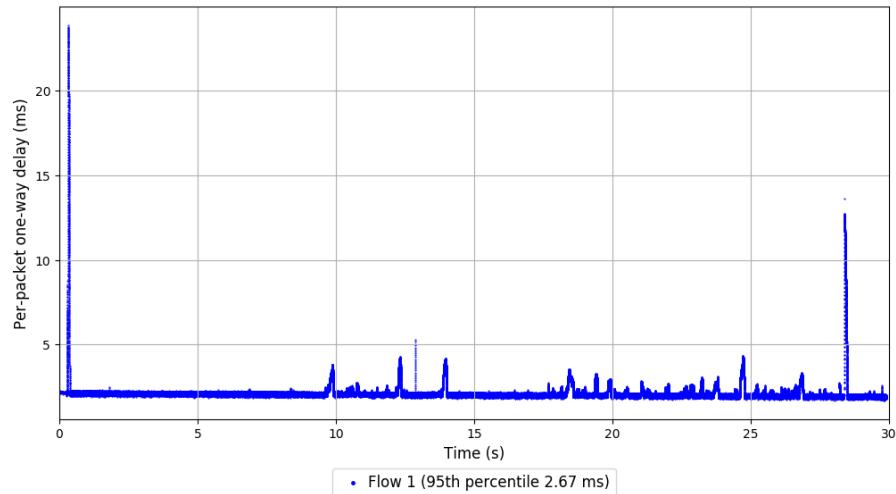
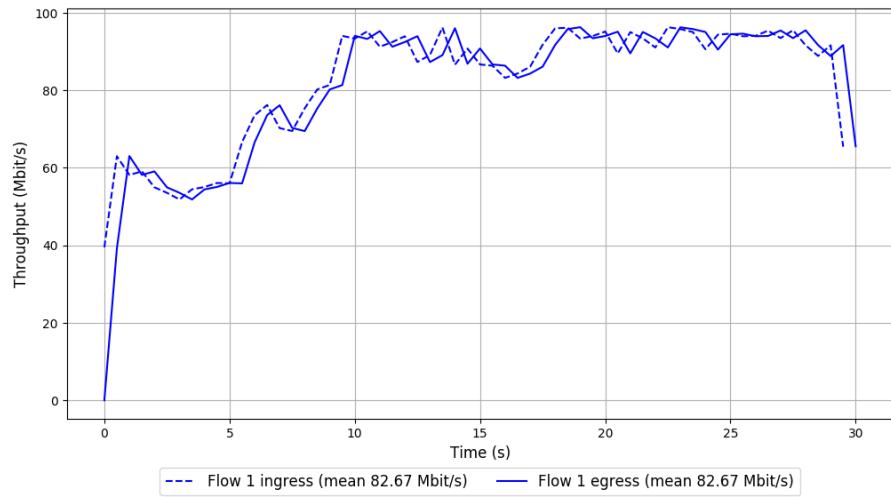


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-21 21:57:27
End at: 2018-05-21 21:57:57
Local clock offset: -1.067 ms
Remote clock offset: -2.069 ms

# Below is generated by plot.py at 2018-05-22 00:50:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 2.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 2.672 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link

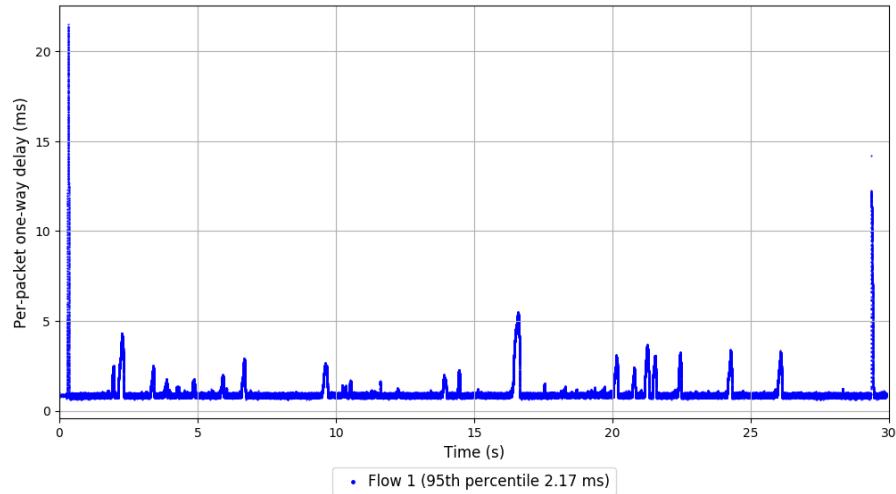
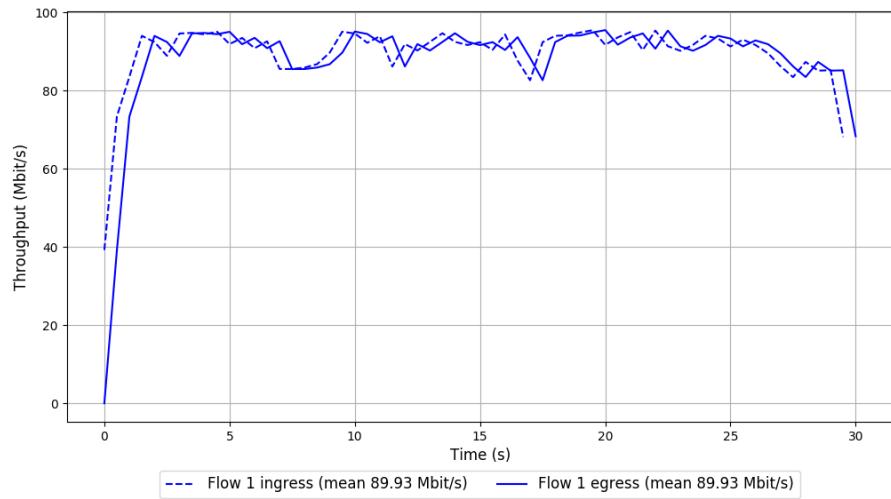


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:15:12
End at: 2018-05-21 22:15:42
Local clock offset: -3.871 ms
Remote clock offset: -1.879 ms

# Below is generated by plot.py at 2018-05-22 00:50:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 2.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 2.170 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Allegro — Data Link

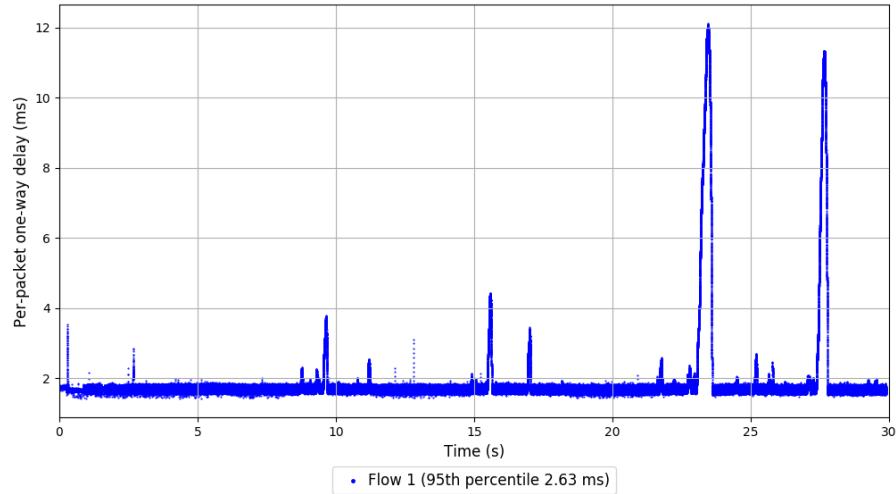
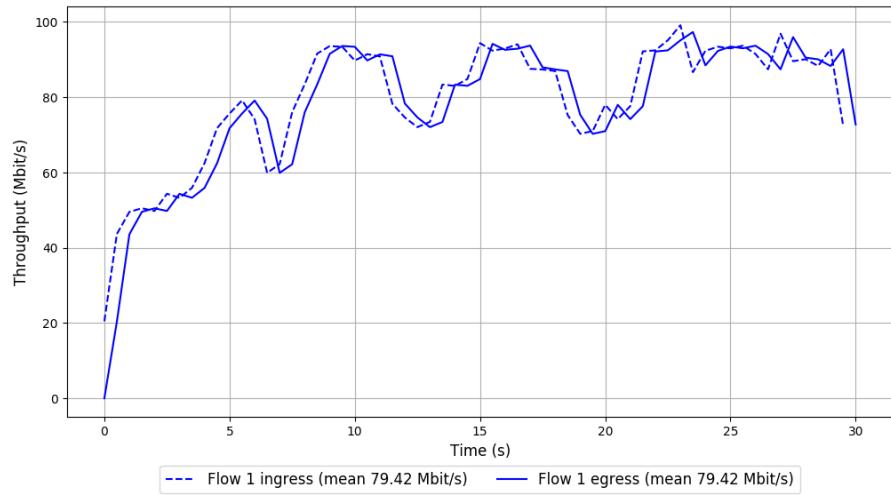


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:32:57
End at: 2018-05-21 22:33:27
Local clock offset: -5.027 ms
Remote clock offset: -1.681 ms

# Below is generated by plot.py at 2018-05-22 00:51:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Allegro — Data Link

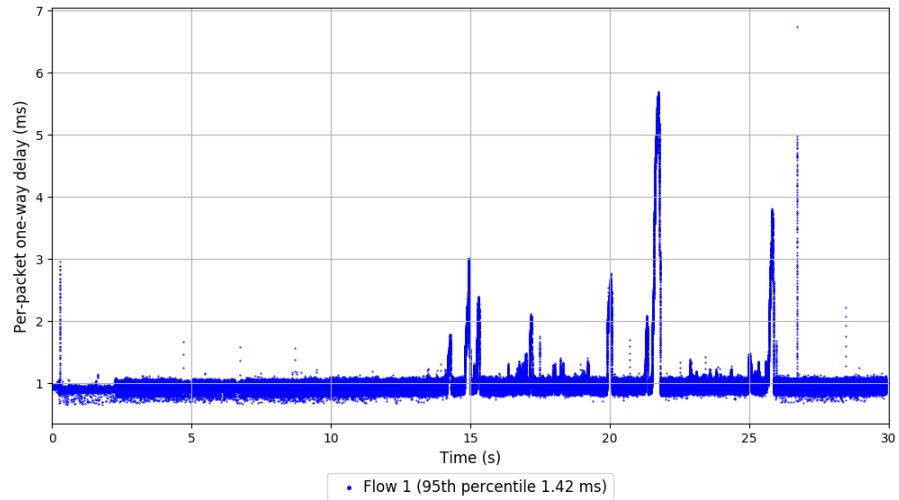
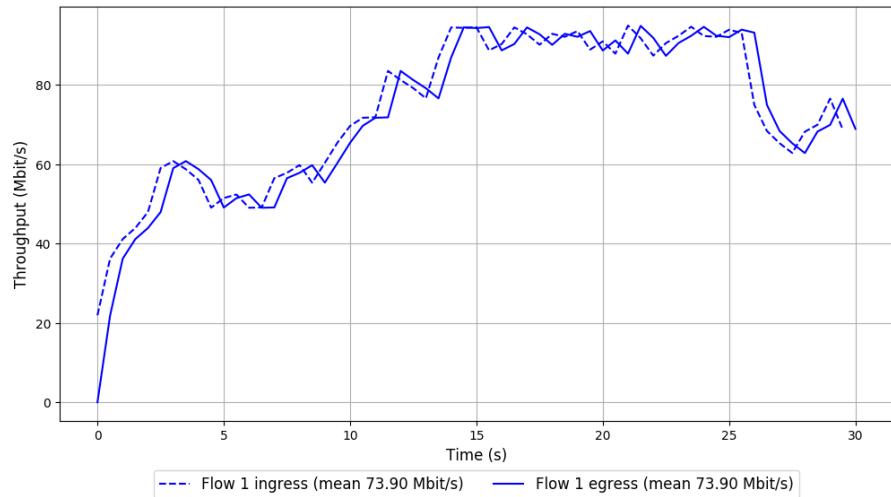


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:50:42
End at: 2018-05-21 22:51:12
Local clock offset: -4.26 ms
Remote clock offset: -1.94 ms

# Below is generated by plot.py at 2018-05-22 00:51:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.90 Mbit/s
95th percentile per-packet one-way delay: 1.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.90 Mbit/s
95th percentile per-packet one-way delay: 1.424 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Allegro — Data Link

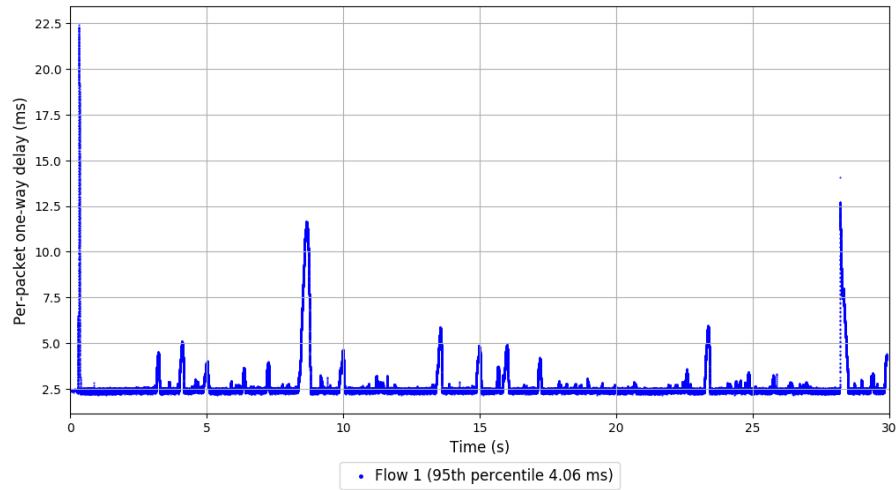
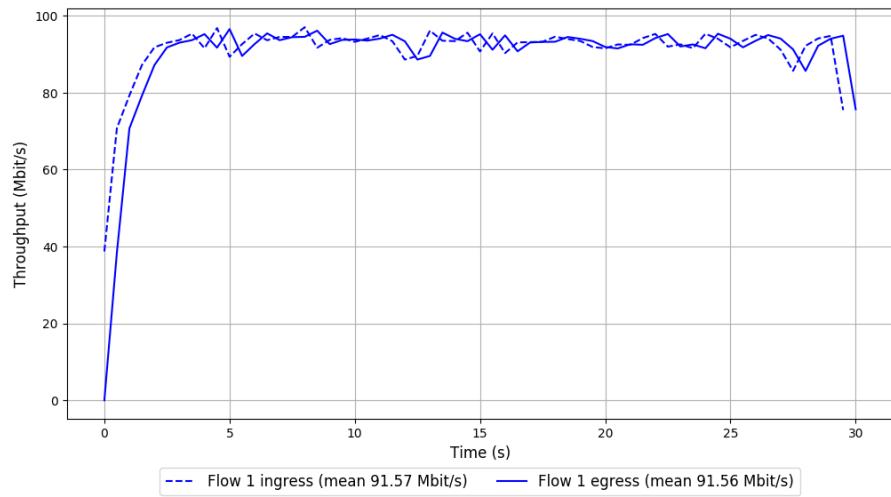


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-21 23:08:27
End at: 2018-05-21 23:08:57
Local clock offset: -4.946 ms
Remote clock offset: -2.005 ms

# Below is generated by plot.py at 2018-05-22 00:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 4.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 4.064 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Allegro — Data Link

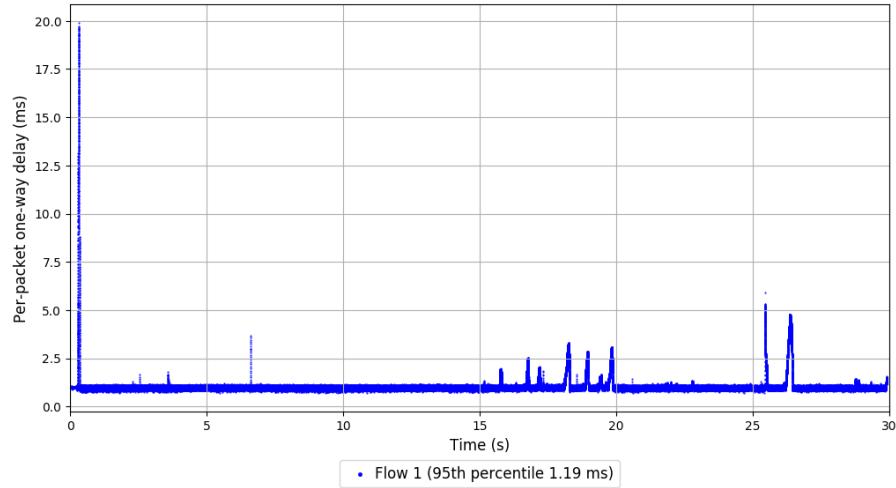
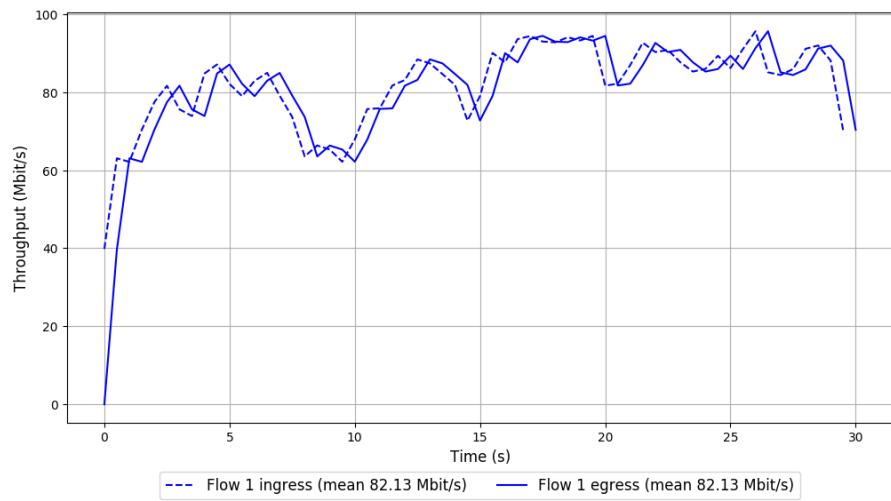


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-21 23:26:12
End at: 2018-05-21 23:26:42
Local clock offset: -4.893 ms
Remote clock offset: -2.194 ms

# Below is generated by plot.py at 2018-05-22 00:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Allegro — Data Link

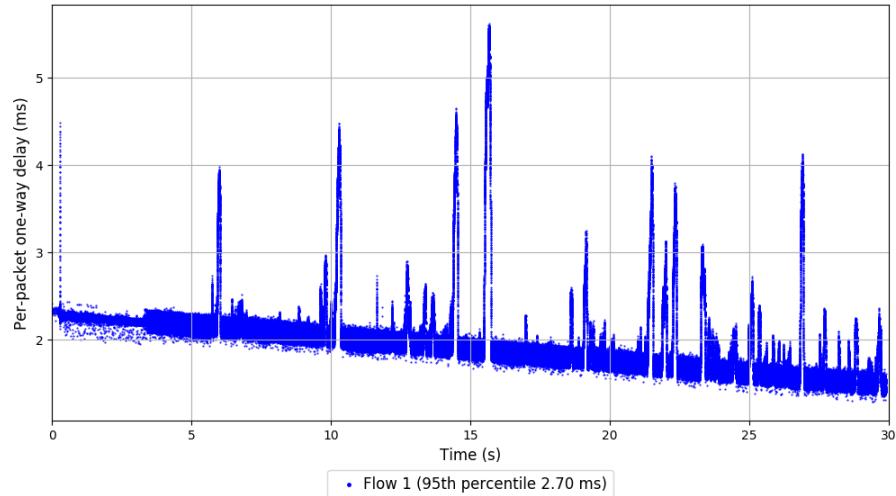
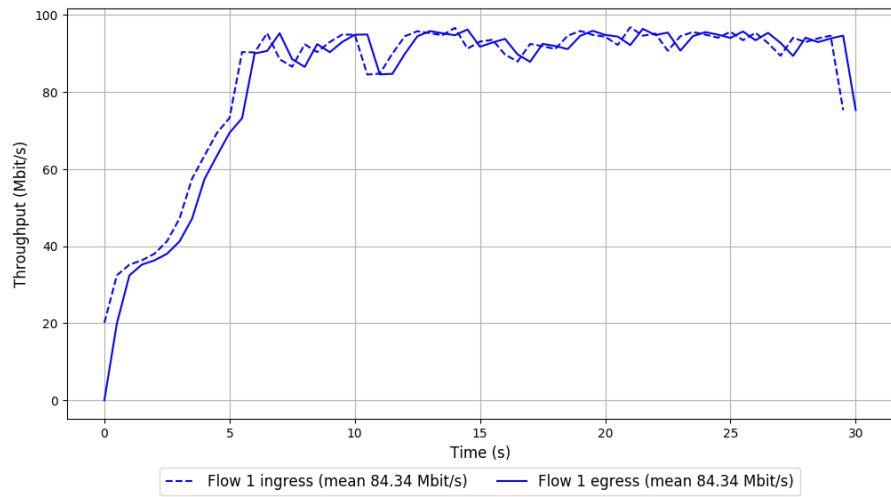


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-21 23:44:02
End at: 2018-05-21 23:44:32
Local clock offset: -5.06 ms
Remote clock offset: 0.761 ms

# Below is generated by plot.py at 2018-05-22 00:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 2.696 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 2.696 ms
Loss rate: 0.01%
```

Run 7: Report of PCC-Allegro — Data Link

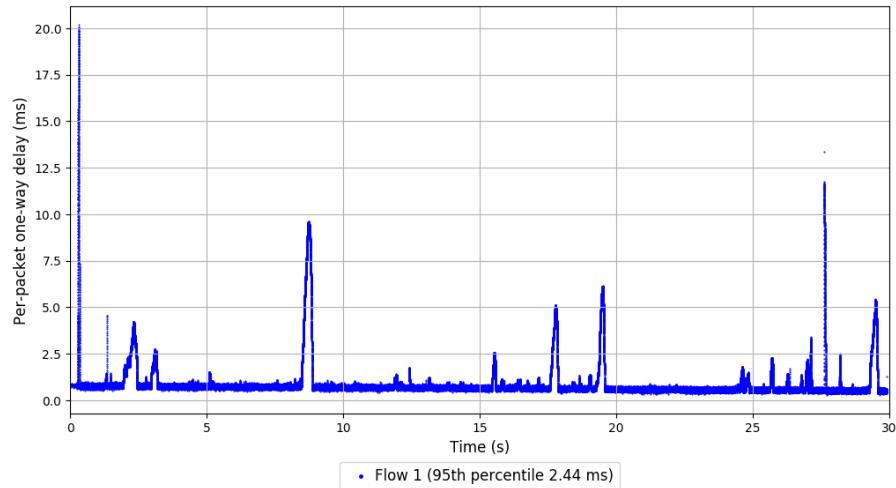
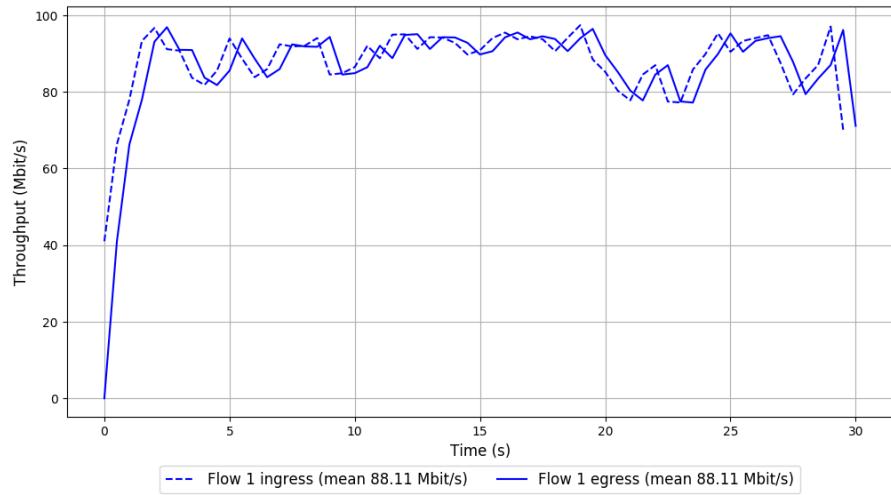


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:01:47
End at: 2018-05-22 00:02:17
Local clock offset: -5.251 ms
Remote clock offset: 17.015 ms

# Below is generated by plot.py at 2018-05-22 00:51:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 2.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 2.445 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Allegro — Data Link

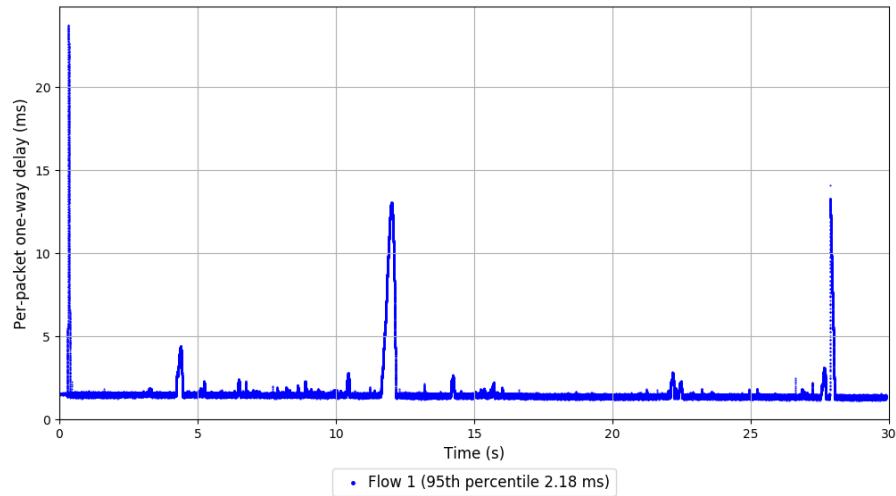
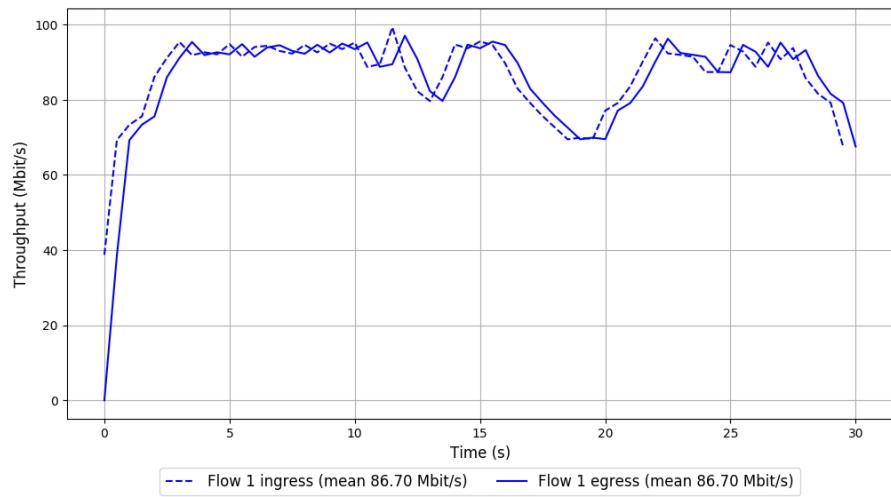


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:19:32
End at: 2018-05-22 00:20:02
Local clock offset: -4.961 ms
Remote clock offset: 23.915 ms

# Below is generated by plot.py at 2018-05-22 00:51:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 2.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 2.182 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Allegro — Data Link

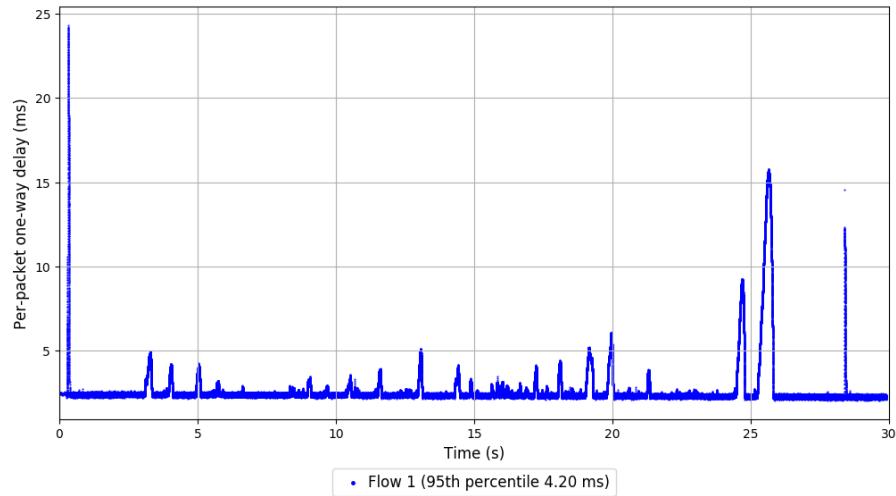
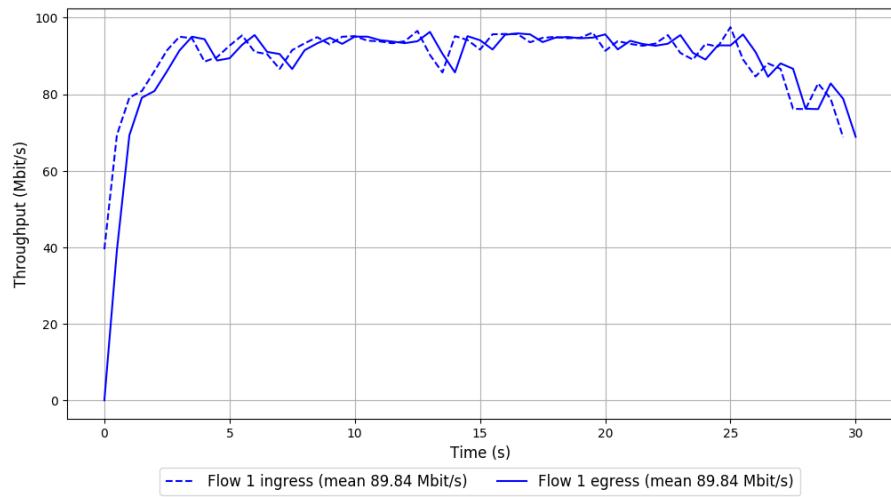


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:37:18
End at: 2018-05-22 00:37:48
Local clock offset: -5.681 ms
Remote clock offset: 29.76 ms

# Below is generated by plot.py at 2018-05-22 00:51:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 4.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 4.200 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

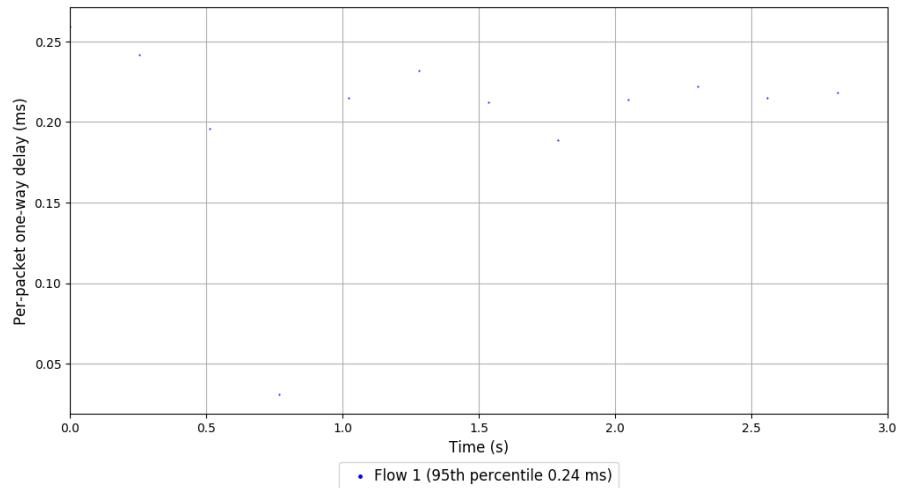
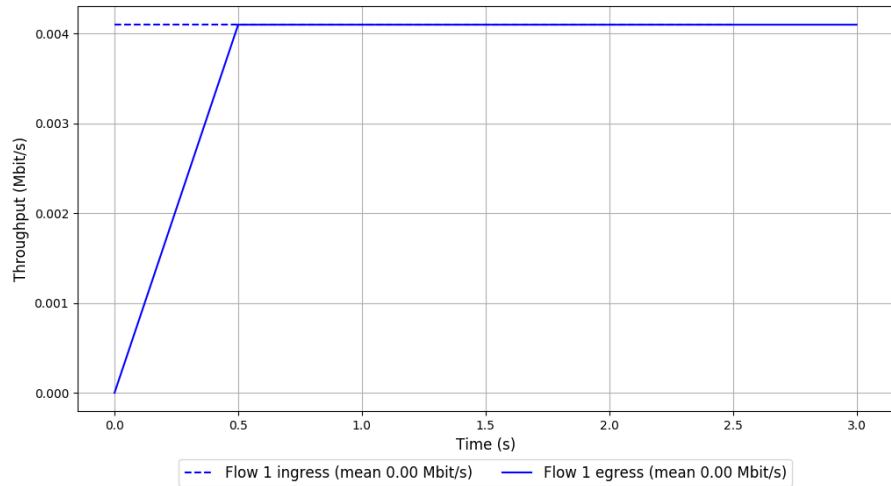
Start at: 2018-05-21 21:47:25

End at: 2018-05-21 21:47:55

Local clock offset: -1.391 ms

Remote clock offset: -2.054 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

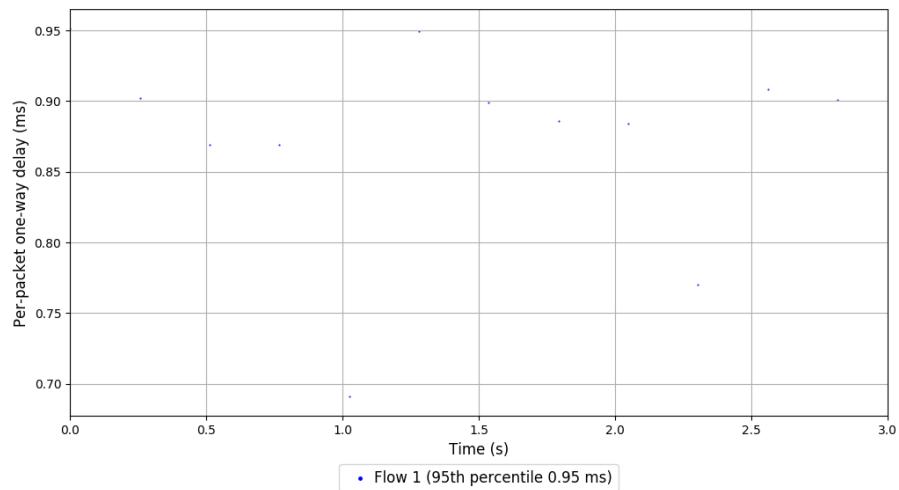
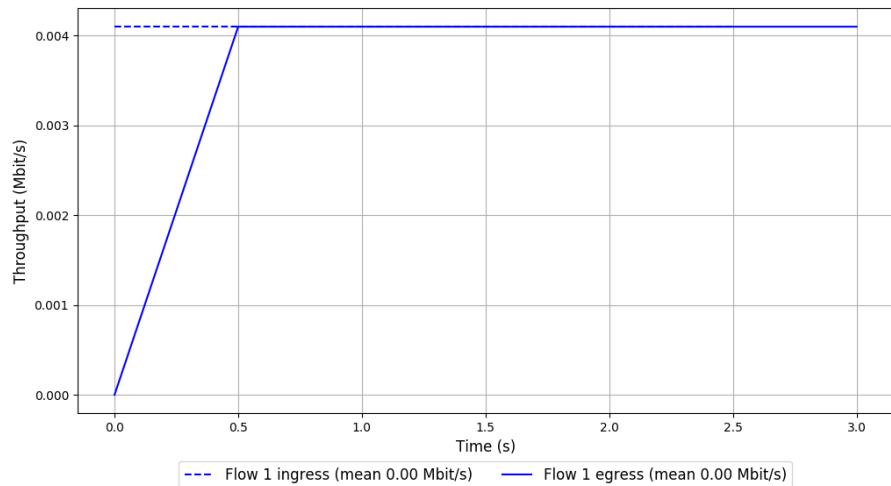
Start at: 2018-05-21 22:05:09

End at: 2018-05-21 22:05:39

Local clock offset: -3.382 ms

Remote clock offset: -1.976 ms

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



Run 3: Statistics of PCC-Expr

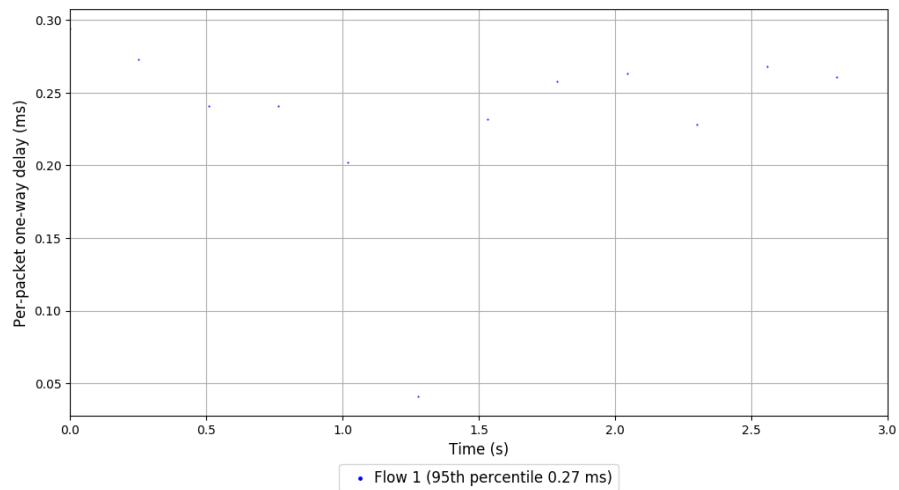
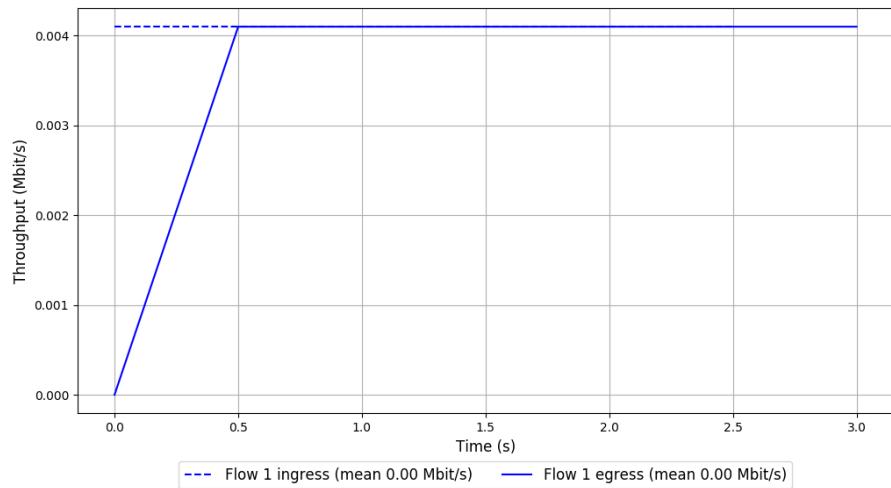
Start at: 2018-05-21 22:22:54

End at: 2018-05-21 22:23:24

Local clock offset: -2.77 ms

Remote clock offset: -1.707 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

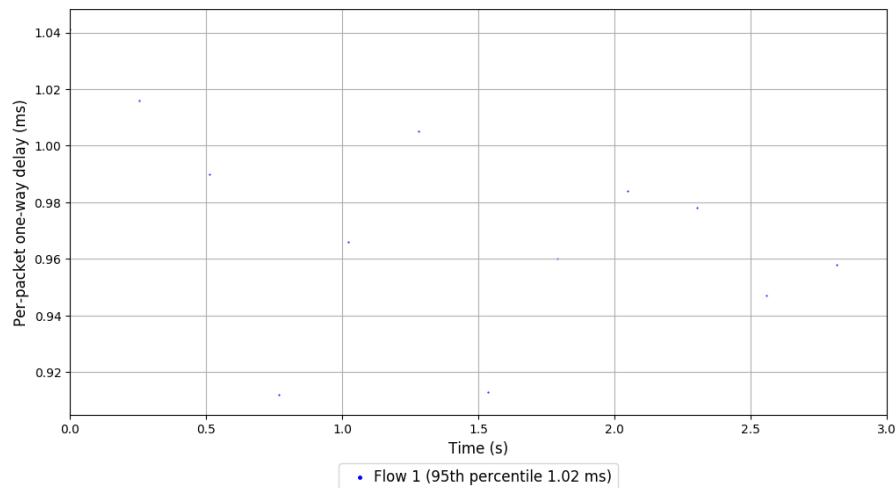
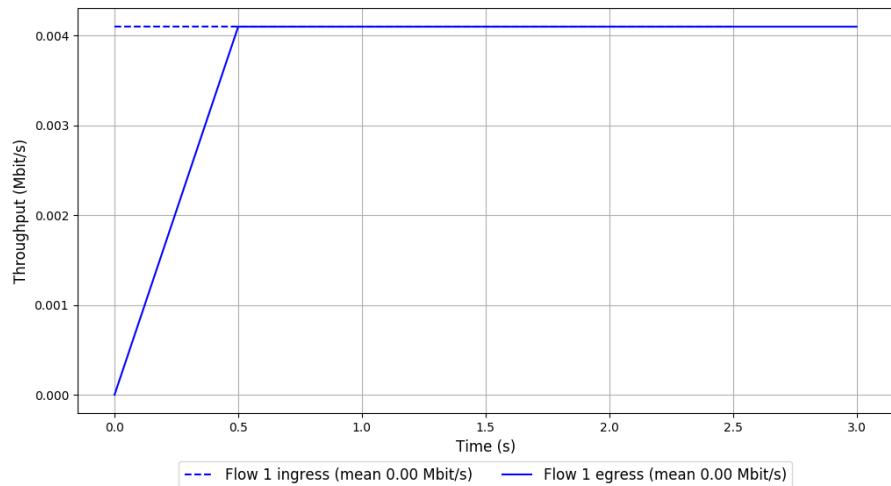
Start at: 2018-05-21 22:40:39

End at: 2018-05-21 22:41:09

Local clock offset: -4.48 ms

Remote clock offset: -1.844 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

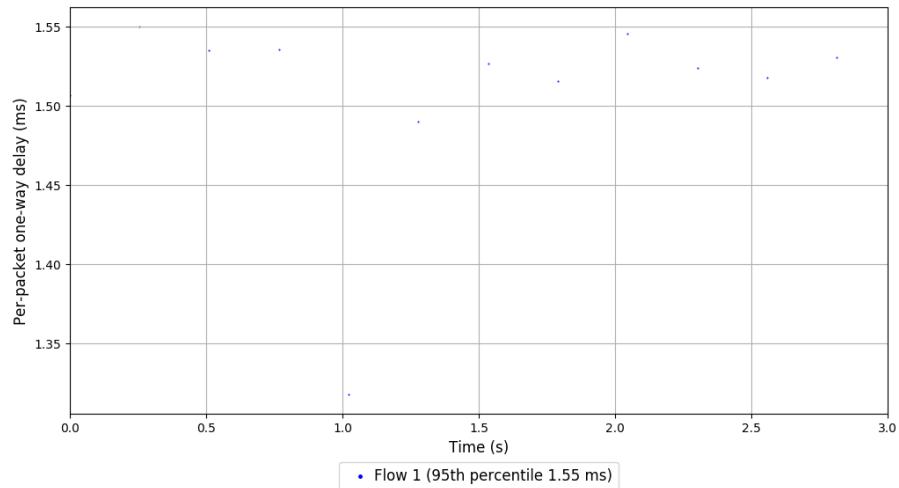
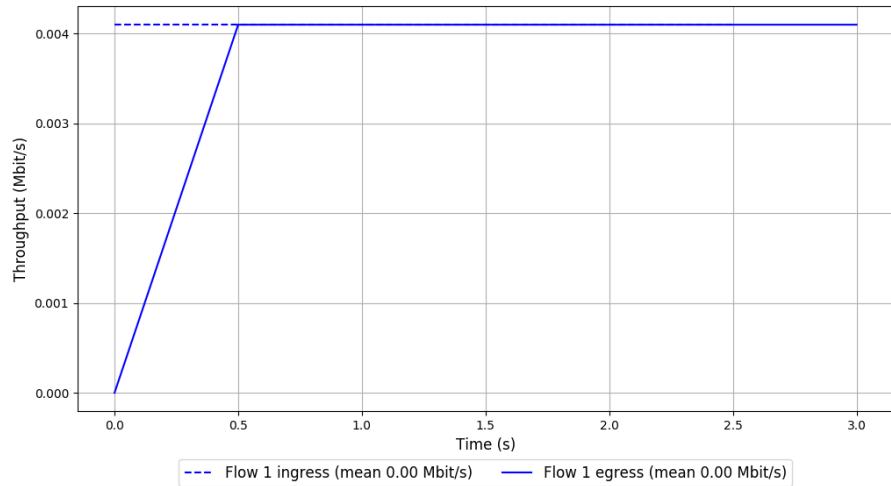
Start at: 2018-05-21 22:58:24

End at: 2018-05-21 22:58:54

Local clock offset: -3.495 ms

Remote clock offset: -2.051 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

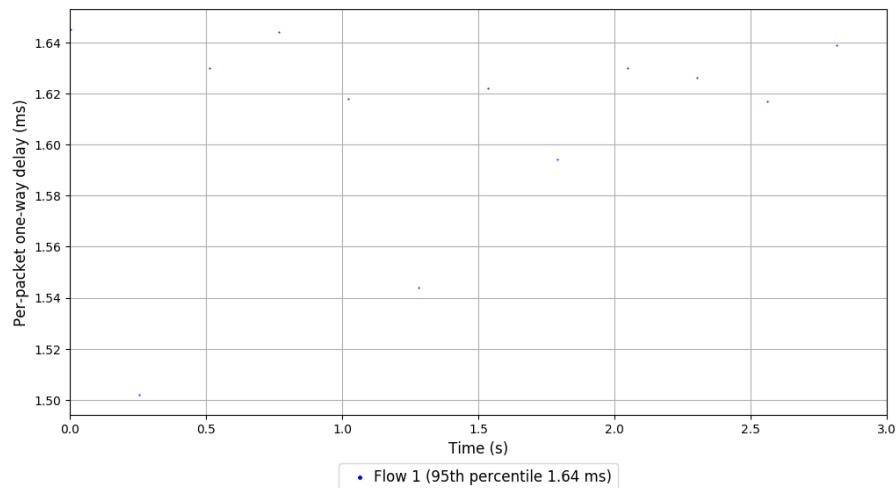
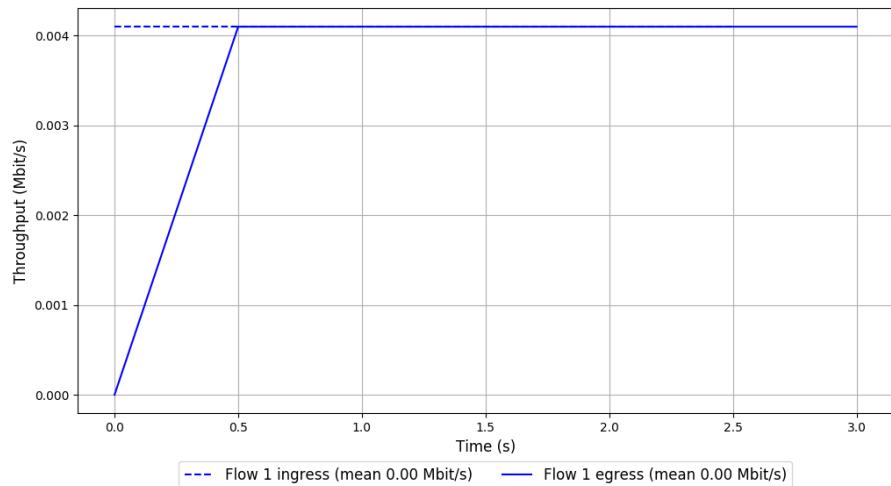
Start at: 2018-05-21 23:16:09

End at: 2018-05-21 23:16:40

Local clock offset: -4.223 ms

Remote clock offset: -2.107 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

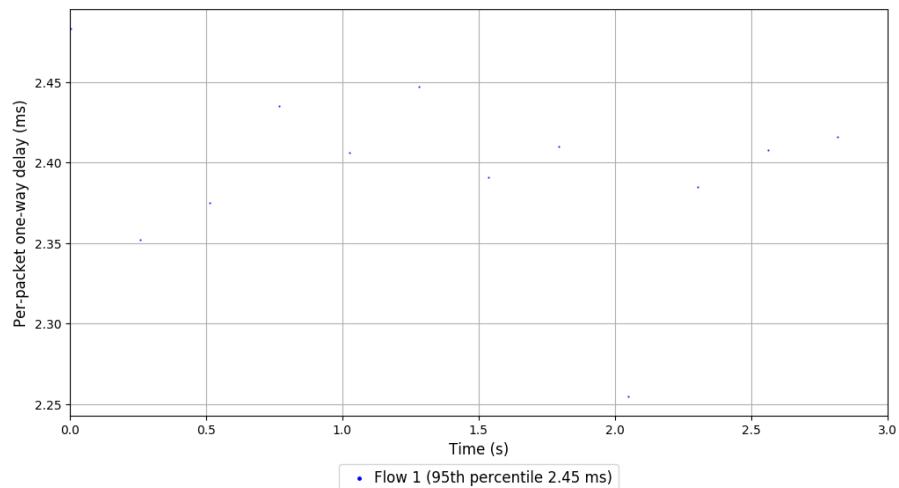
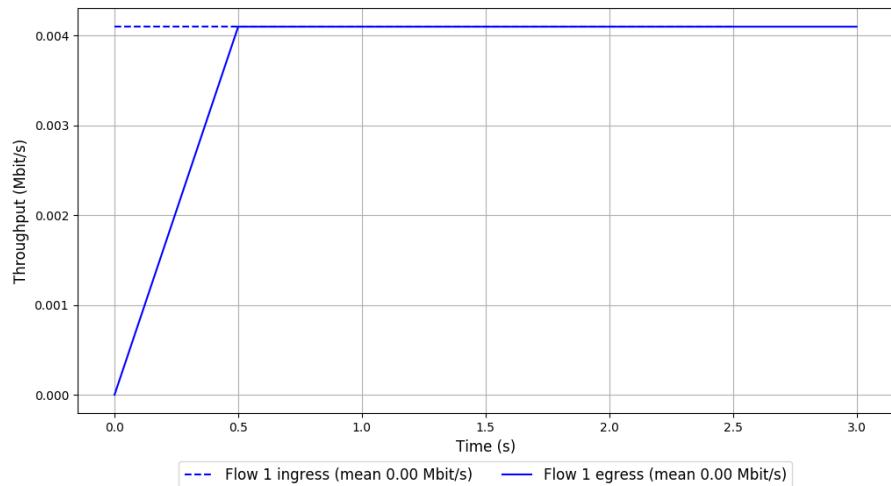
Start at: 2018-05-21 23:33:59

End at: 2018-05-21 23:34:29

Local clock offset: -5.085 ms

Remote clock offset: -2.316 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

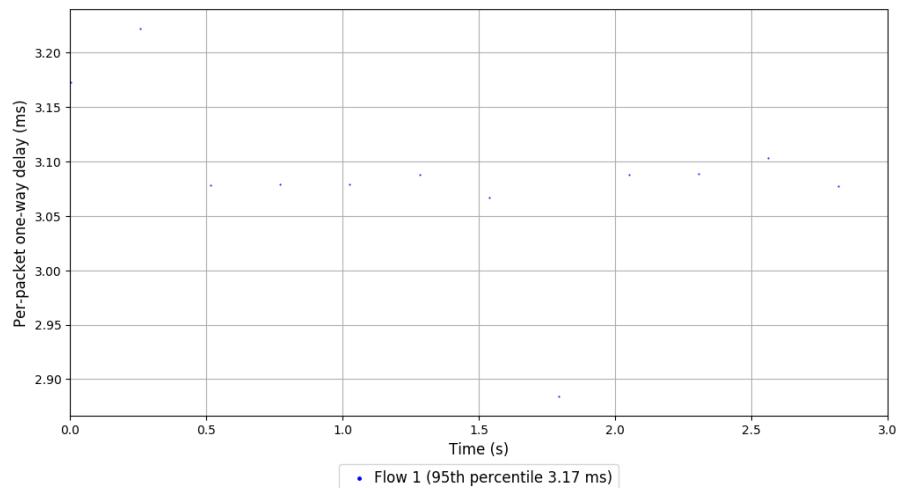
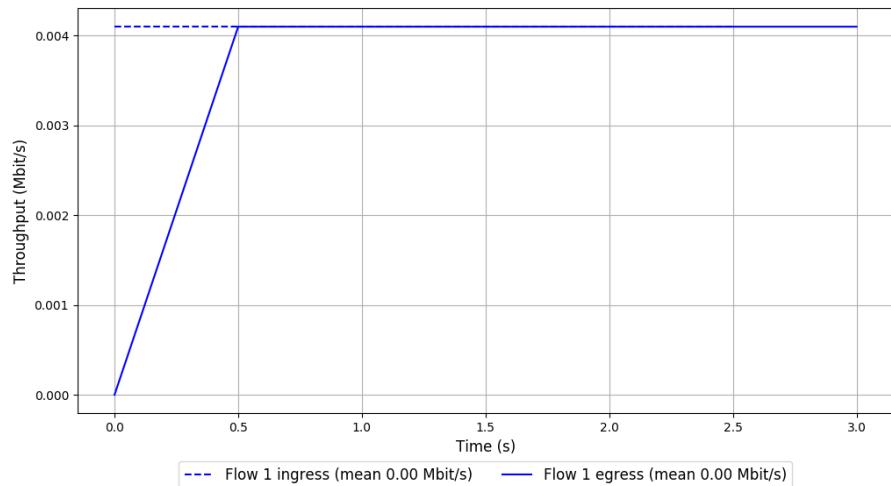
Start at: 2018-05-21 23:51:45

End at: 2018-05-21 23:52:15

Local clock offset: -5.718 ms

Remote clock offset: 10.414 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

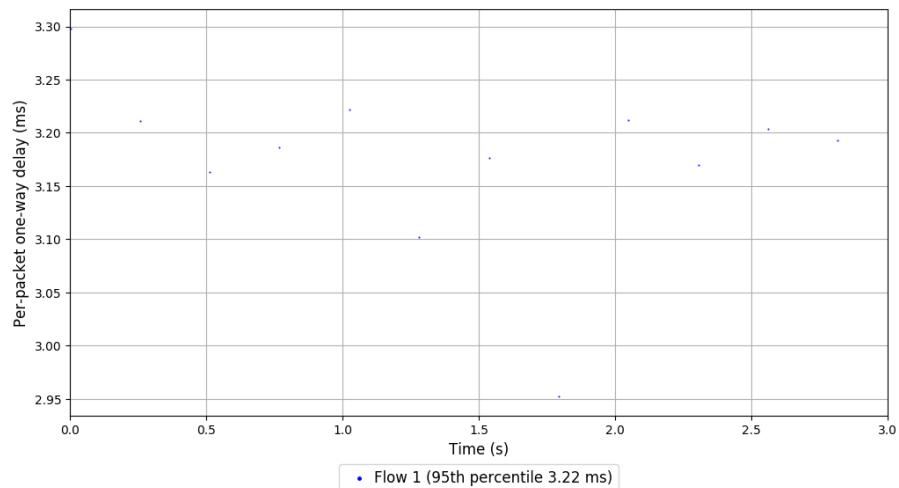
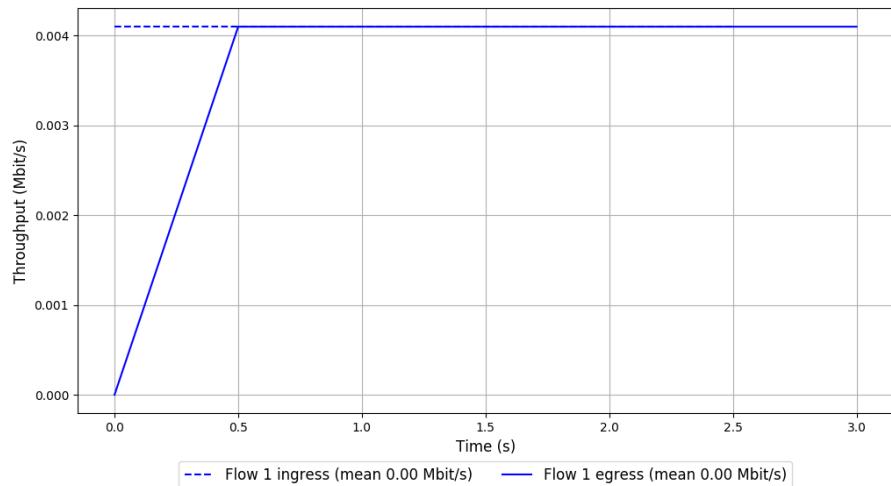
Start at: 2018-05-22 00:09:30

End at: 2018-05-22 00:10:00

Local clock offset: -6.417 ms

Remote clock offset: 20.397 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

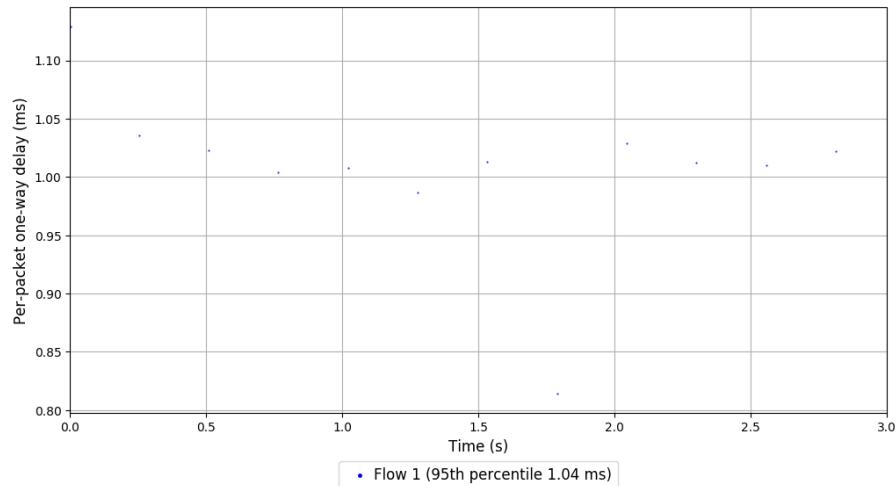
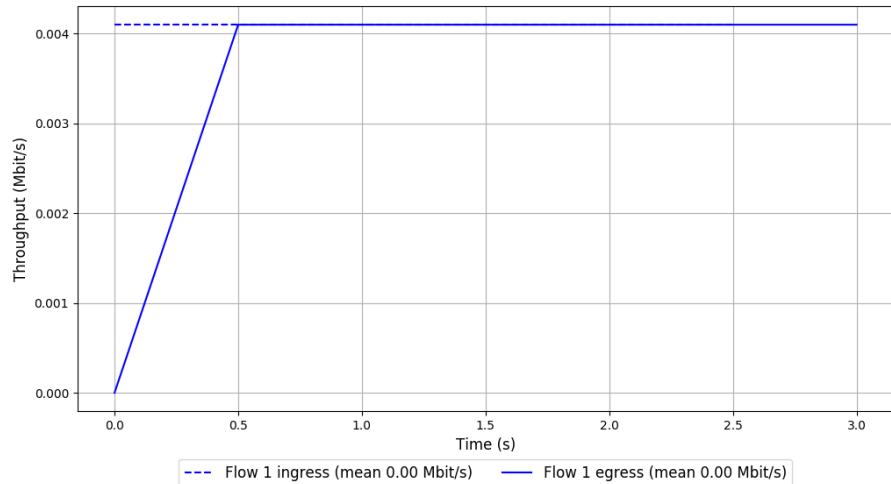
Start at: 2018-05-22 00:27:15

End at: 2018-05-22 00:27:45

Local clock offset: -5.797 ms

Remote clock offset: 26.56 ms

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

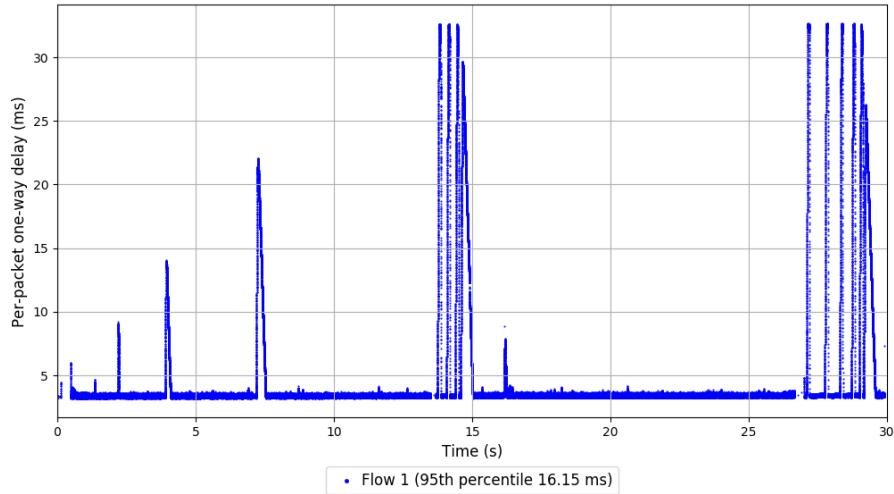
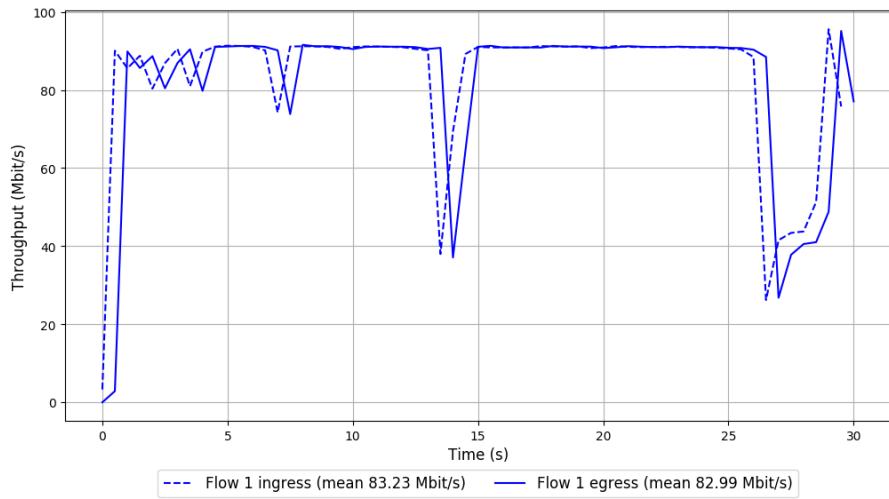


Run 1: Statistics of QUIC Cubic

```
Start at: 2018-05-21 21:46:18
End at: 2018-05-21 21:46:48
Local clock offset: -3.163 ms
Remote clock offset: -1.979 ms

# Below is generated by plot.py at 2018-05-22 00:52:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.99 Mbit/s
95th percentile per-packet one-way delay: 16.146 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 82.99 Mbit/s
95th percentile per-packet one-way delay: 16.146 ms
Loss rate: 0.28%
```

Run 1: Report of QUIC Cubic — Data Link

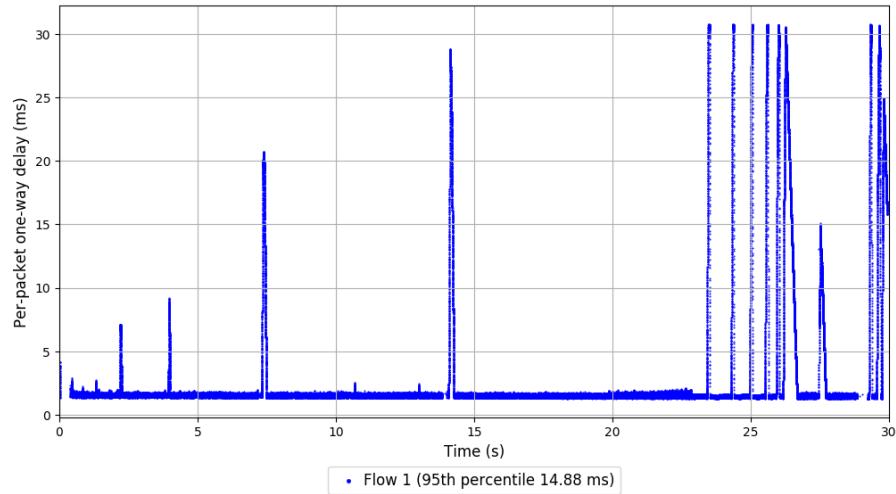
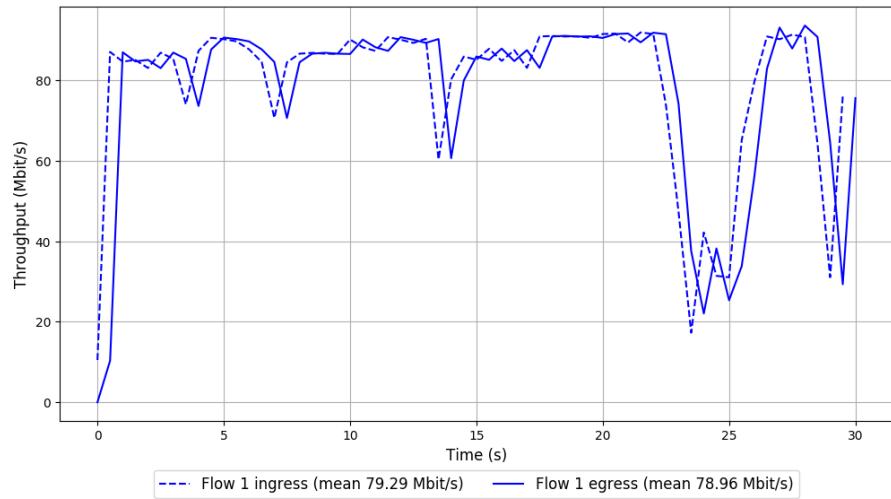


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:04:03
End at: 2018-05-21 22:04:33
Local clock offset: -2.426 ms
Remote clock offset: -1.995 ms

# Below is generated by plot.py at 2018-05-22 00:52:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.96 Mbit/s
95th percentile per-packet one-way delay: 14.882 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 78.96 Mbit/s
95th percentile per-packet one-way delay: 14.882 ms
Loss rate: 0.38%
```

Run 2: Report of QUIC Cubic — Data Link

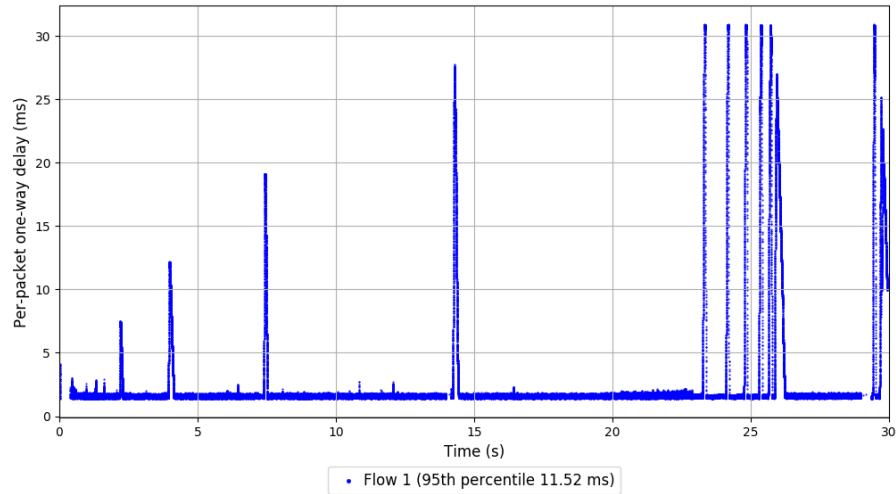
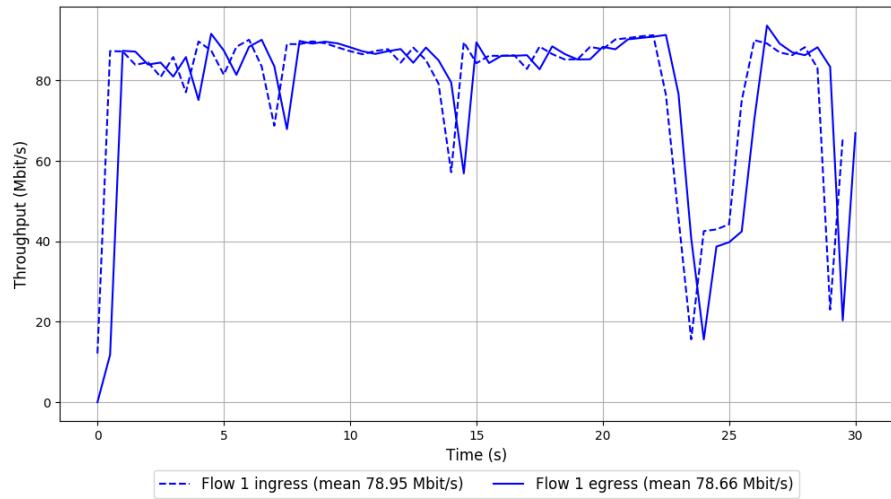


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:21:47
End at: 2018-05-21 22:22:17
Local clock offset: -2.834 ms
Remote clock offset: -1.835 ms

# Below is generated by plot.py at 2018-05-22 00:52:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 11.515 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 11.515 ms
Loss rate: 0.34%
```

Run 3: Report of QUIC Cubic — Data Link

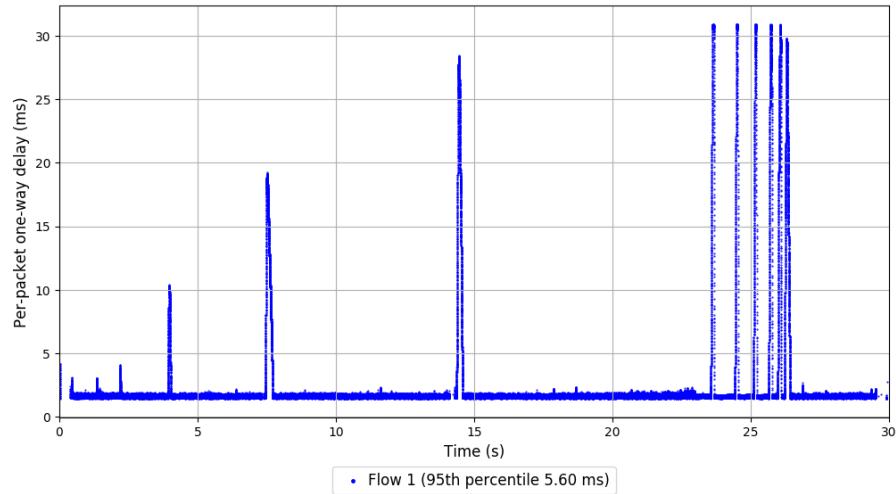
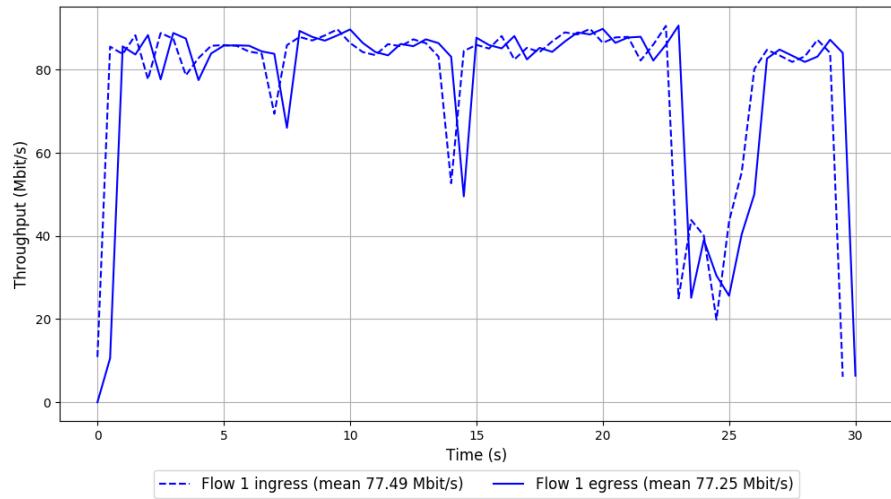


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:39:33
End at: 2018-05-21 22:40:03
Local clock offset: -3.705 ms
Remote clock offset: -1.804 ms

# Below is generated by plot.py at 2018-05-22 00:52:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 5.598 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 5.598 ms
Loss rate: 0.31%
```

Run 4: Report of QUIC Cubic — Data Link

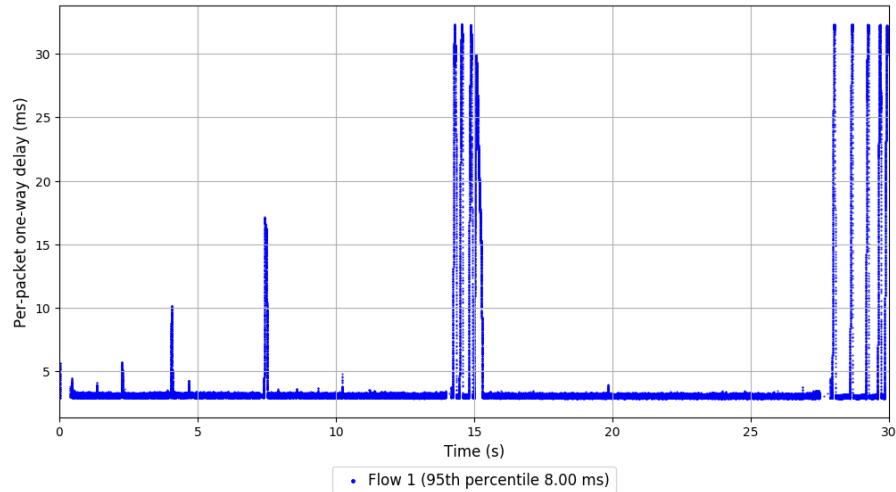
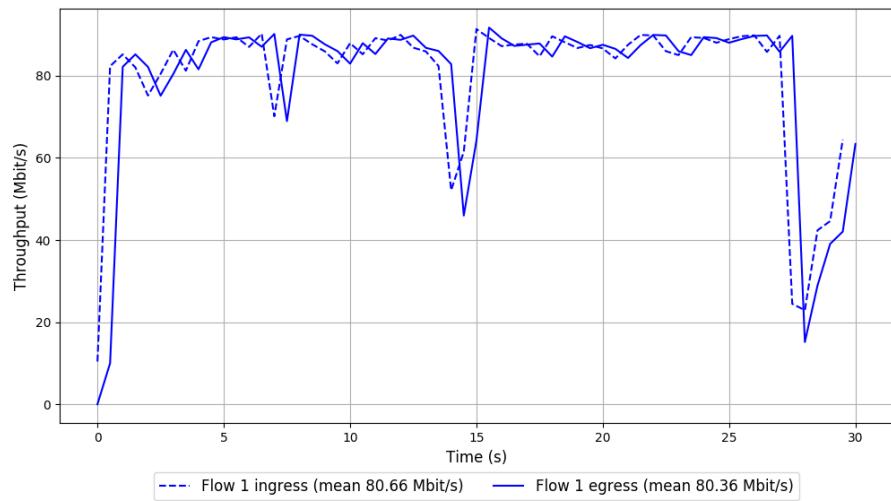


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:57:17
End at: 2018-05-21 22:57:47
Local clock offset: -4.867 ms
Remote clock offset: -1.952 ms

# Below is generated by plot.py at 2018-05-22 00:53:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 7.999 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 7.999 ms
Loss rate: 0.28%
```

Run 5: Report of QUIC Cubic — Data Link

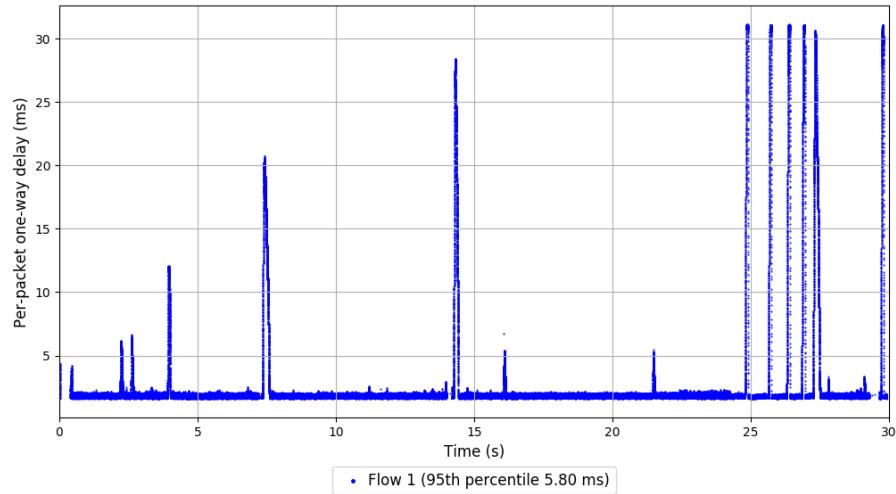
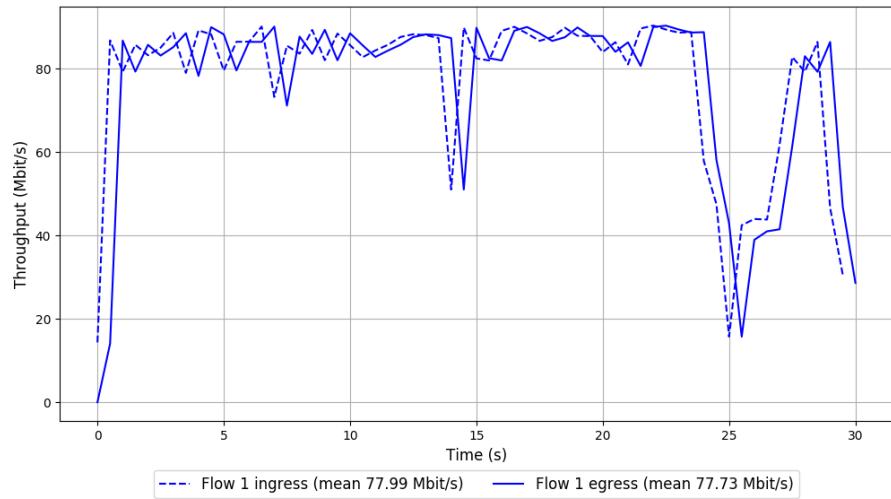


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-21 23:15:03
End at: 2018-05-21 23:15:33
Local clock offset: -5.833 ms
Remote clock offset: -2.083 ms

# Below is generated by plot.py at 2018-05-22 00:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.73 Mbit/s
95th percentile per-packet one-way delay: 5.799 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 77.73 Mbit/s
95th percentile per-packet one-way delay: 5.799 ms
Loss rate: 0.33%
```

Run 6: Report of QUIC Cubic — Data Link

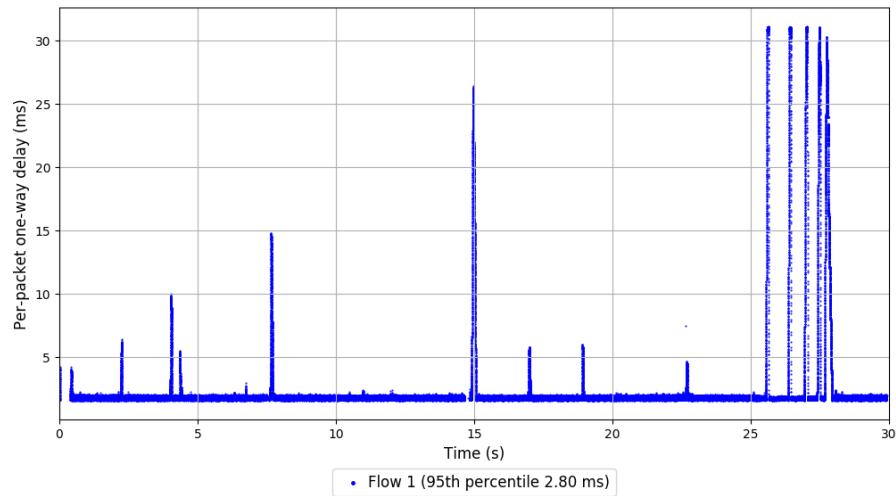
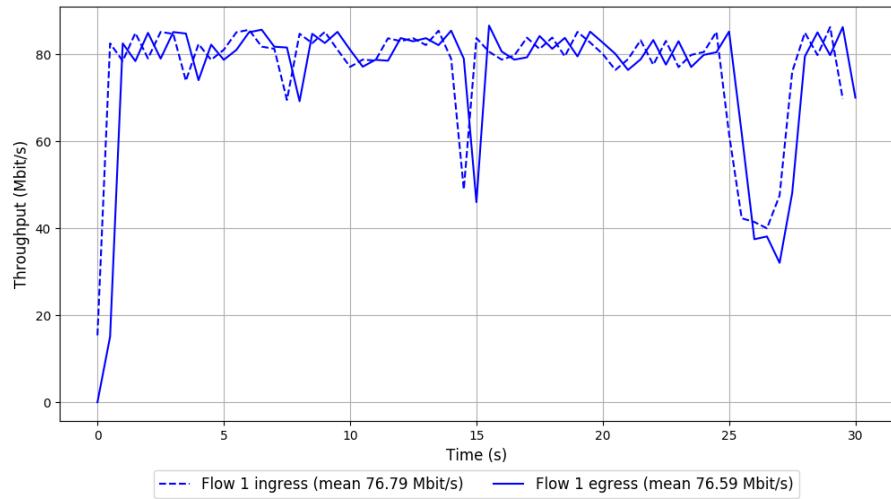


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-21 23:32:53
End at: 2018-05-21 23:33:23
Local clock offset: -5.847 ms
Remote clock offset: -2.296 ms

# Below is generated by plot.py at 2018-05-22 00:53:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 2.798 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 2.798 ms
Loss rate: 0.26%
```

Run 7: Report of QUIC Cubic — Data Link

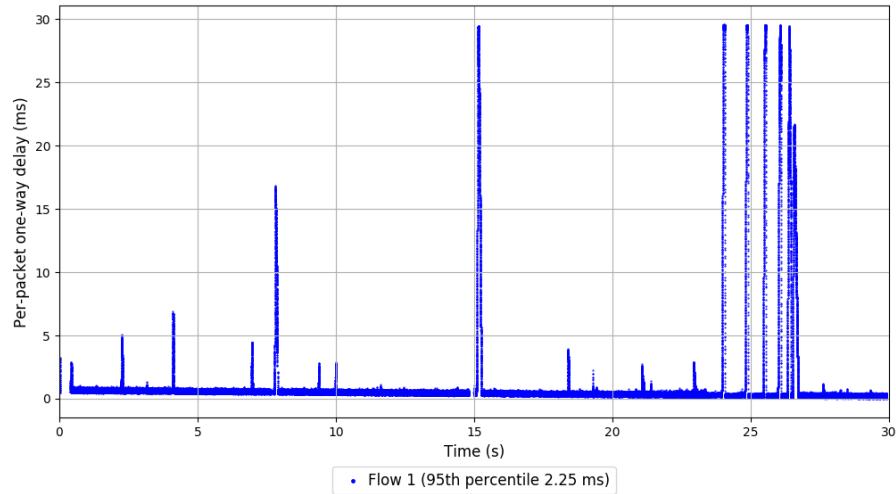
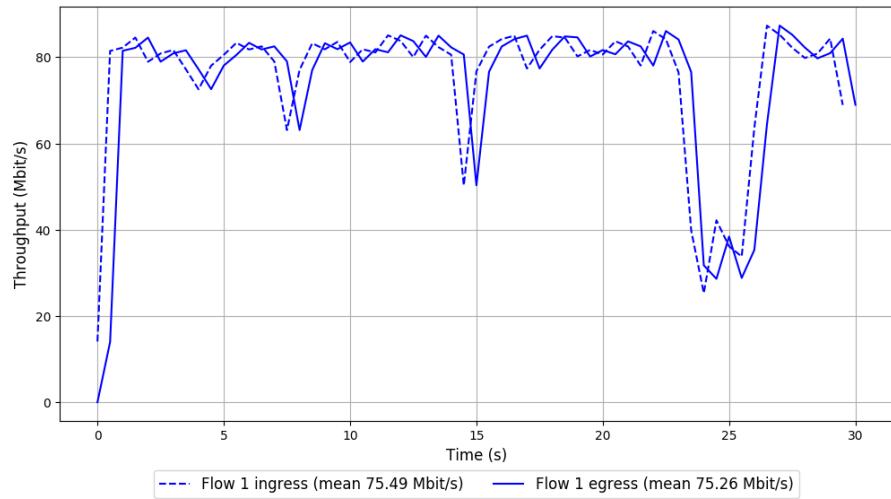


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-21 23:50:38
End at: 2018-05-21 23:51:08
Local clock offset: -4.915 ms
Remote clock offset: 9.213 ms

# Below is generated by plot.py at 2018-05-22 00:53:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 2.245 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 2.245 ms
Loss rate: 0.30%
```

Run 8: Report of QUIC Cubic — Data Link

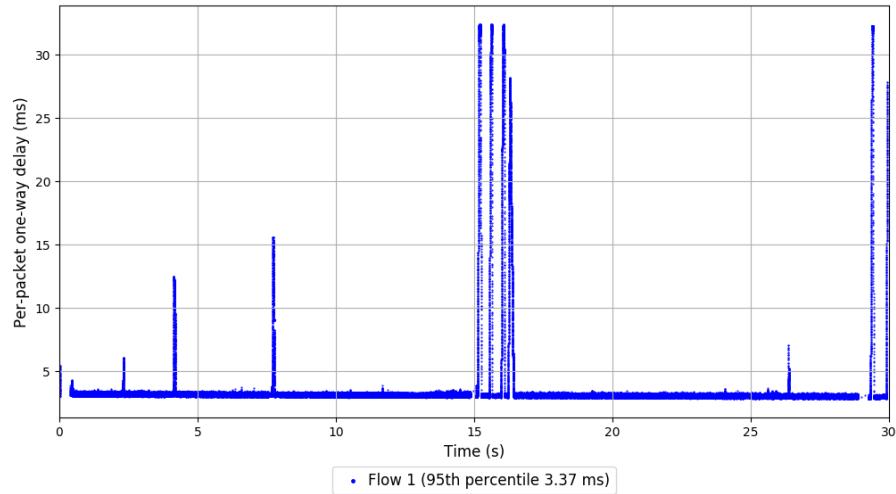
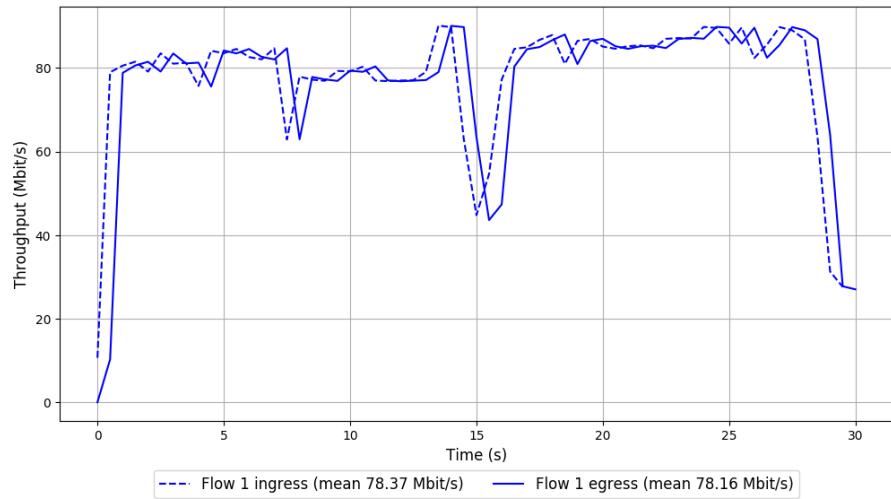


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-22 00:08:23
End at: 2018-05-22 00:08:53
Local clock offset: -6.374 ms
Remote clock offset: 20.039 ms

# Below is generated by plot.py at 2018-05-22 00:54:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 3.370 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 3.370 ms
Loss rate: 0.19%
```

Run 9: Report of QUIC Cubic — Data Link

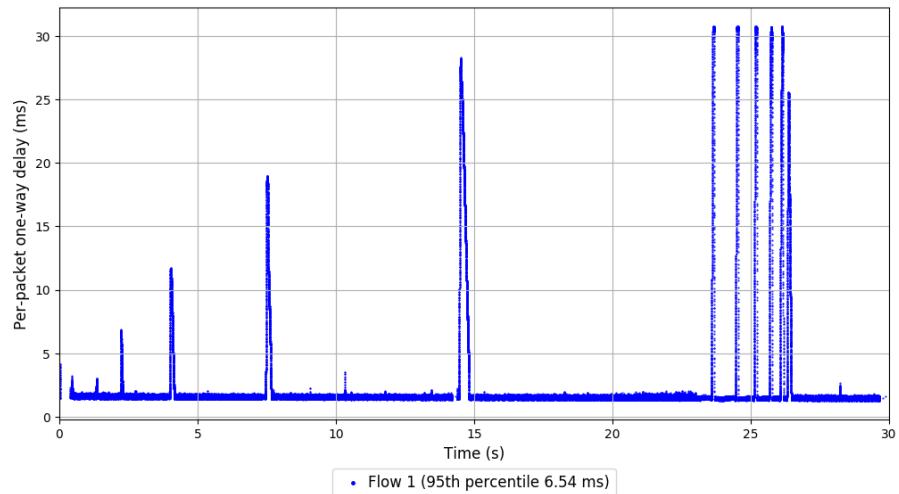
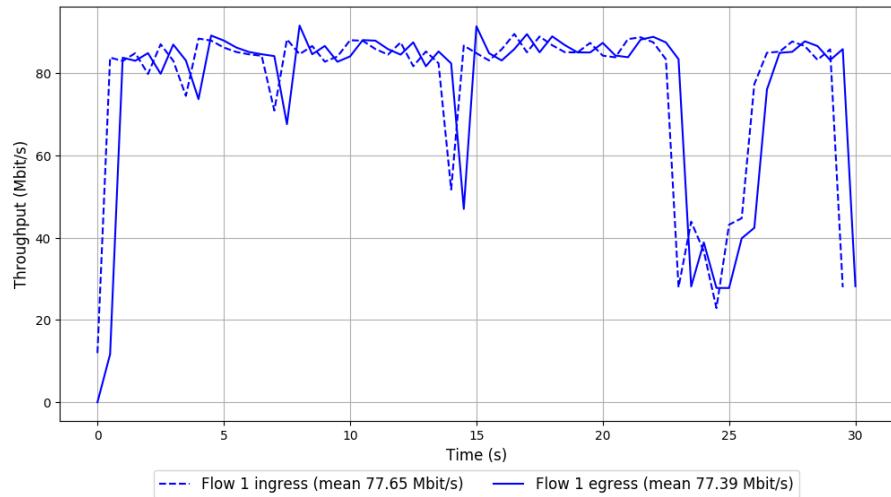


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-22 00:26:08
End at: 2018-05-22 00:26:38
Local clock offset: -4.987 ms
Remote clock offset: 26.162 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 6.537 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 6.537 ms
Loss rate: 0.34%
```

Run 10: Report of QUIC Cubic — Data Link

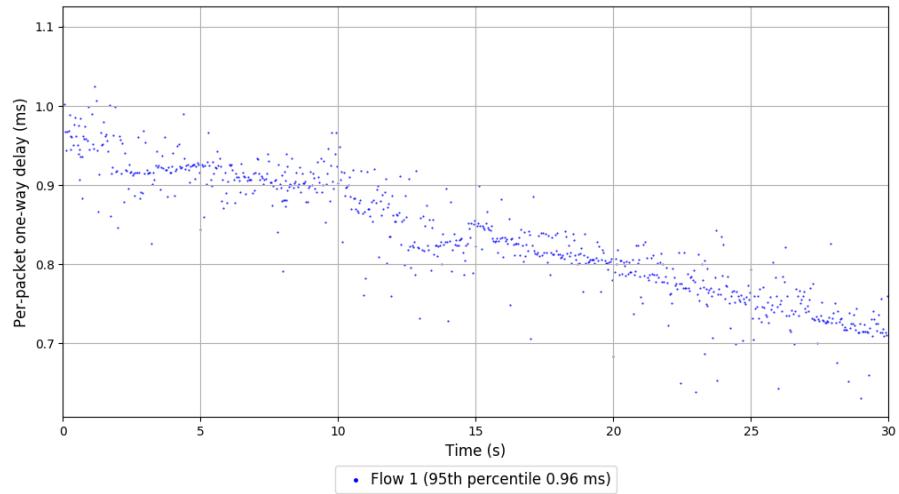
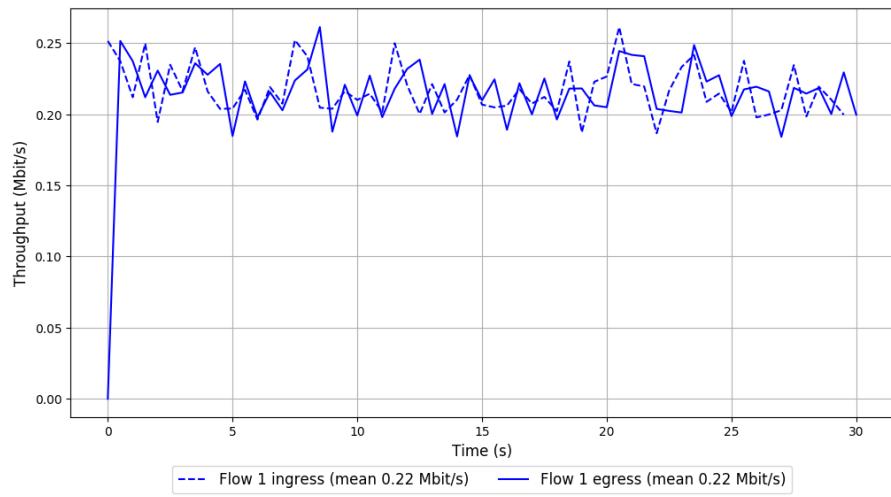


Run 1: Statistics of SCReAM

```
Start at: 2018-05-21 21:56:23
End at: 2018-05-21 21:56:53
Local clock offset: -0.839 ms
Remote clock offset: -2.102 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.956 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

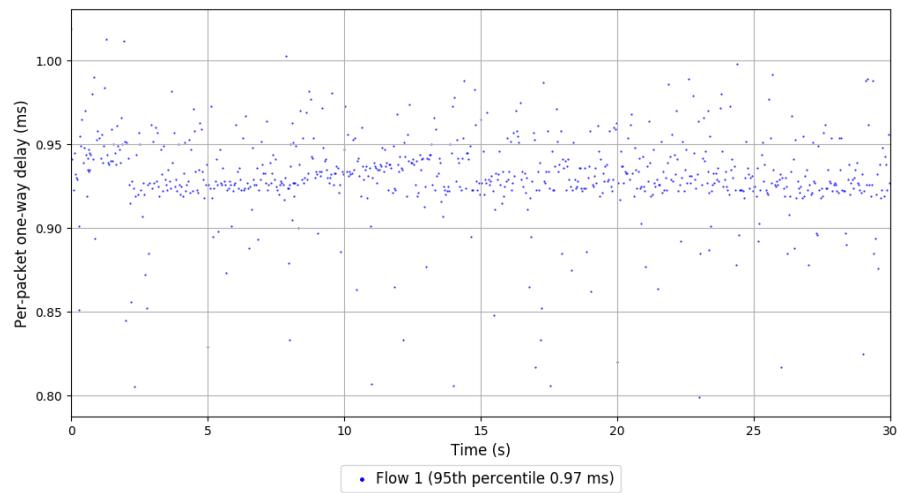
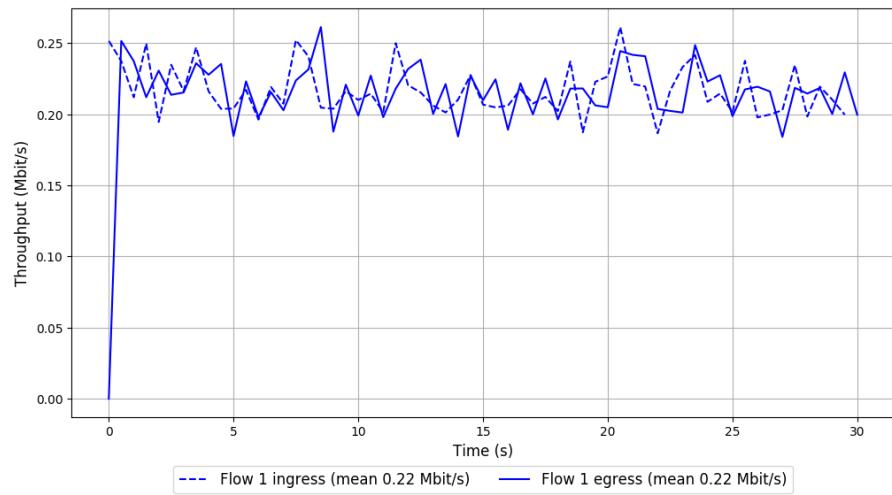


Run 2: Statistics of SCReAM

```
Start at: 2018-05-21 22:14:08
End at: 2018-05-21 22:14:38
Local clock offset: -3.869 ms
Remote clock offset: -1.811 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.970 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

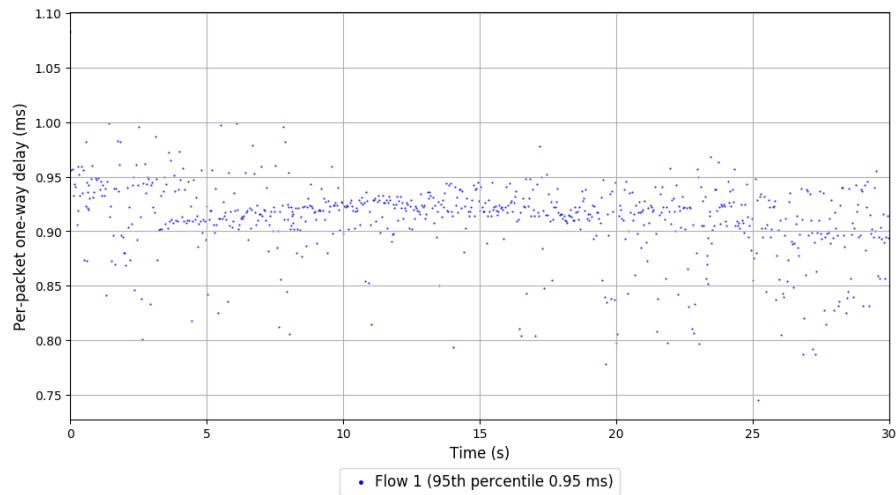
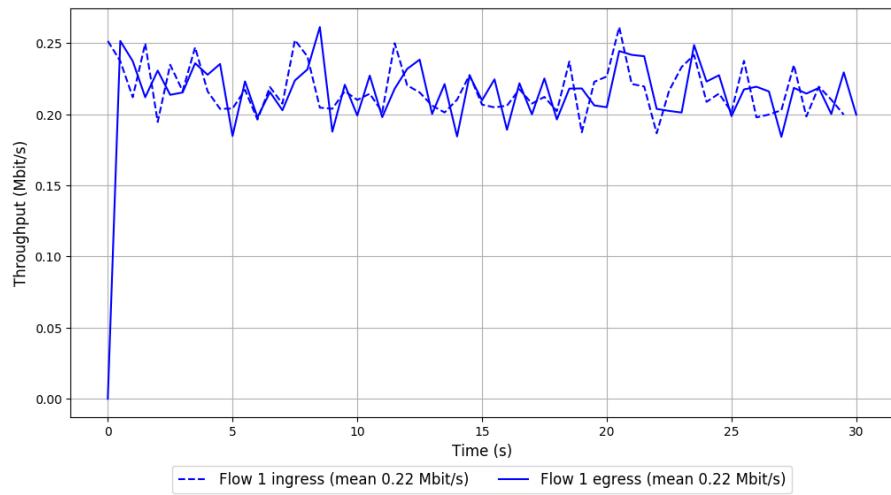


Run 3: Statistics of SCReAM

```
Start at: 2018-05-21 22:31:53
End at: 2018-05-21 22:32:23
Local clock offset: -4.168 ms
Remote clock offset: -1.663 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

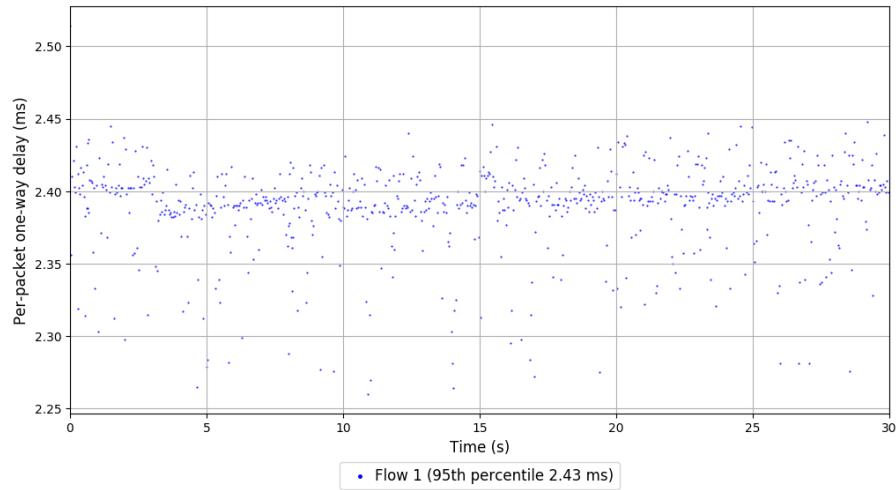
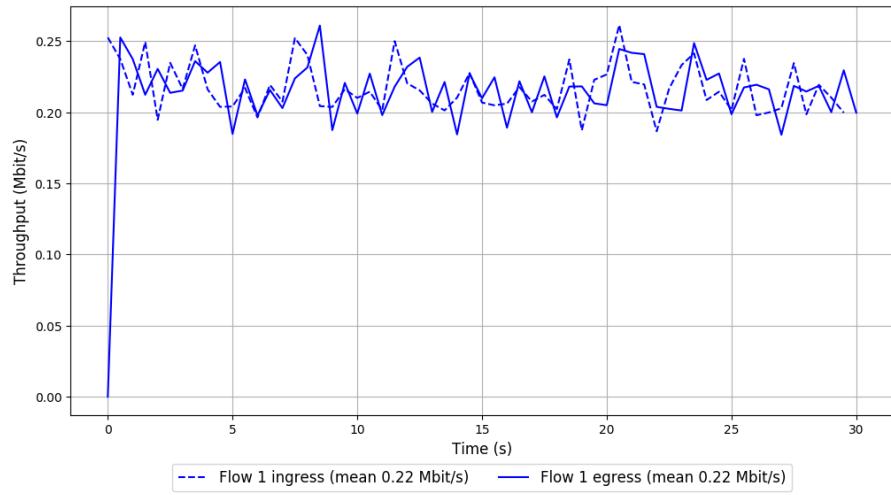


Run 4: Statistics of SCReAM

```
Start at: 2018-05-21 22:49:38
End at: 2018-05-21 22:50:08
Local clock offset: -4.293 ms
Remote clock offset: -1.931 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

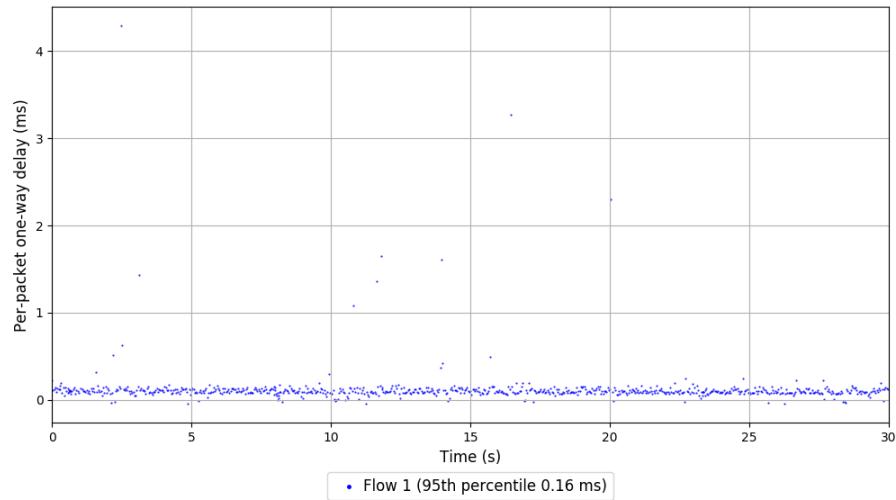
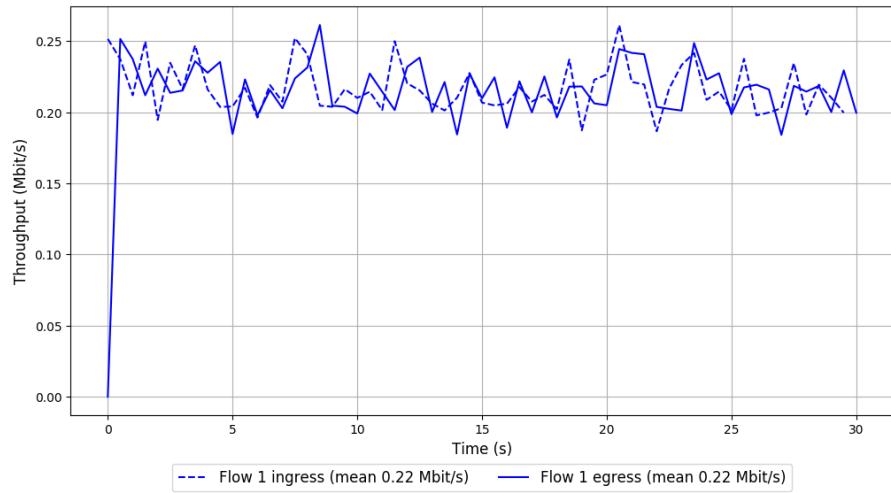


Run 5: Statistics of SCReAM

```
Start at: 2018-05-21 23:07:23
End at: 2018-05-21 23:07:53
Local clock offset: -4.143 ms
Remote clock offset: -2.114 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.162 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

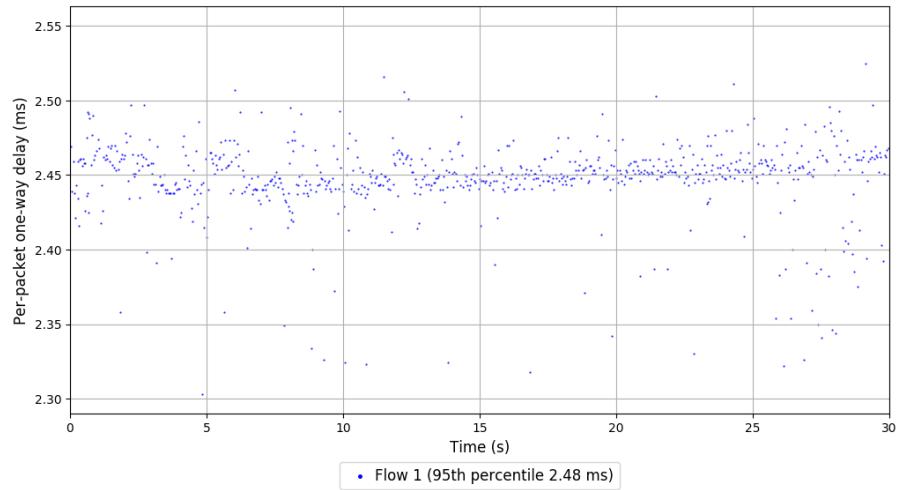
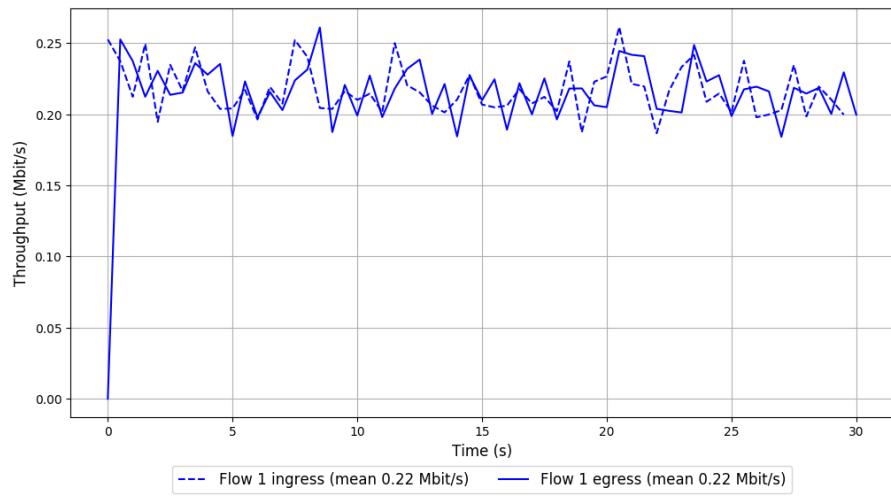


Run 6: Statistics of SCReAM

```
Start at: 2018-05-21 23:25:08
End at: 2018-05-21 23:25:39
Local clock offset: -4.917 ms
Remote clock offset: -2.201 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.478 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

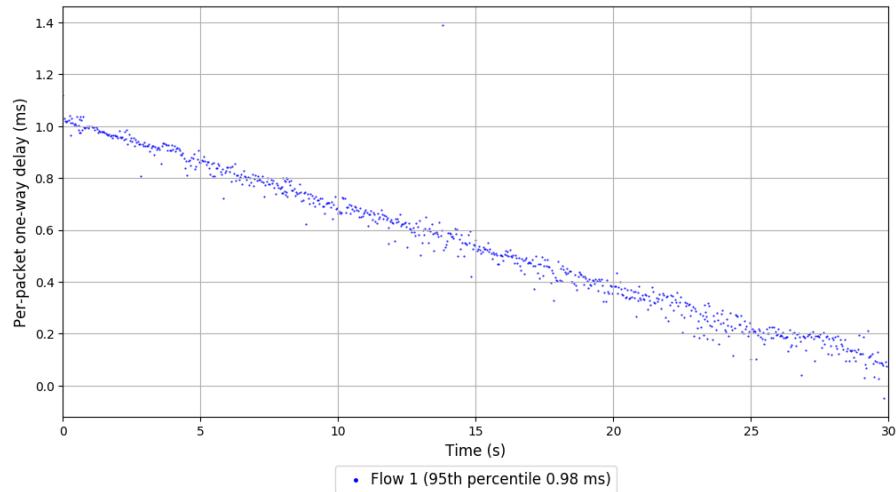
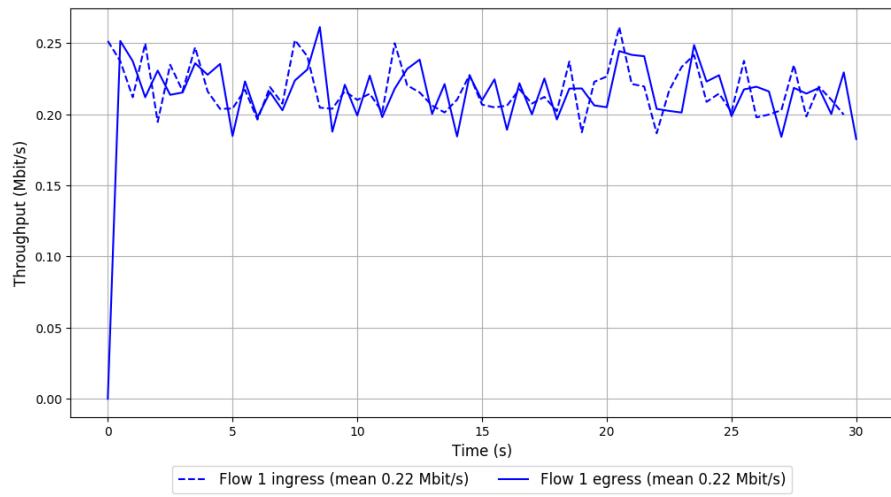


Run 7: Statistics of SCReAM

```
Start at: 2018-05-21 23:42:58
End at: 2018-05-21 23:43:29
Local clock offset: -4.245 ms
Remote clock offset: -1.682 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.13%
```

Run 7: Report of SCReAM — Data Link

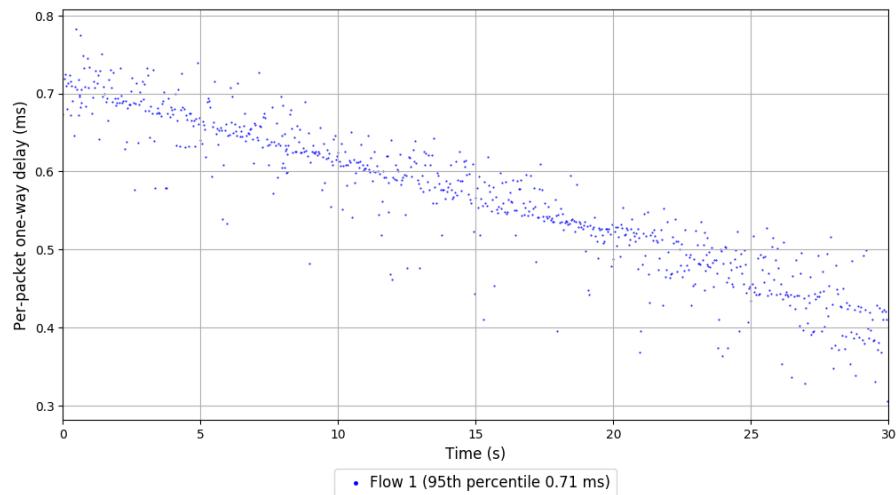
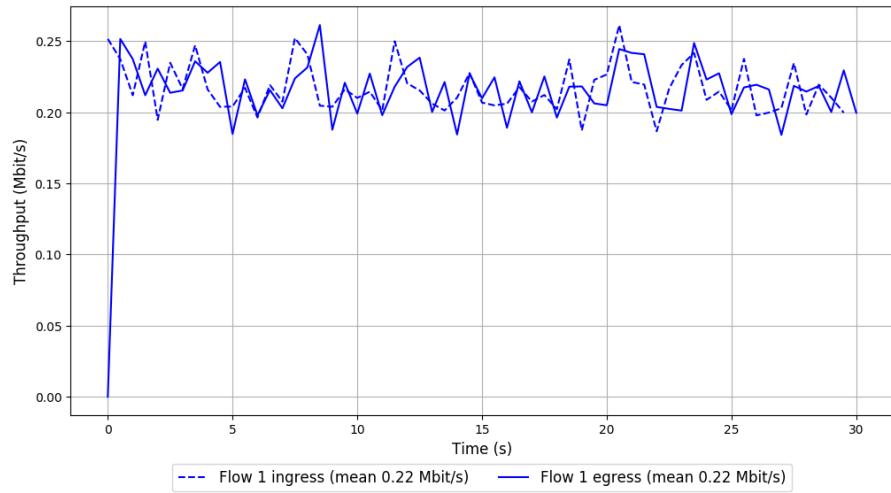


Run 8: Statistics of SCReAM

```
Start at: 2018-05-22 00:00:43
End at: 2018-05-22 00:01:13
Local clock offset: -5.185 ms
Remote clock offset: 16.4 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.709 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

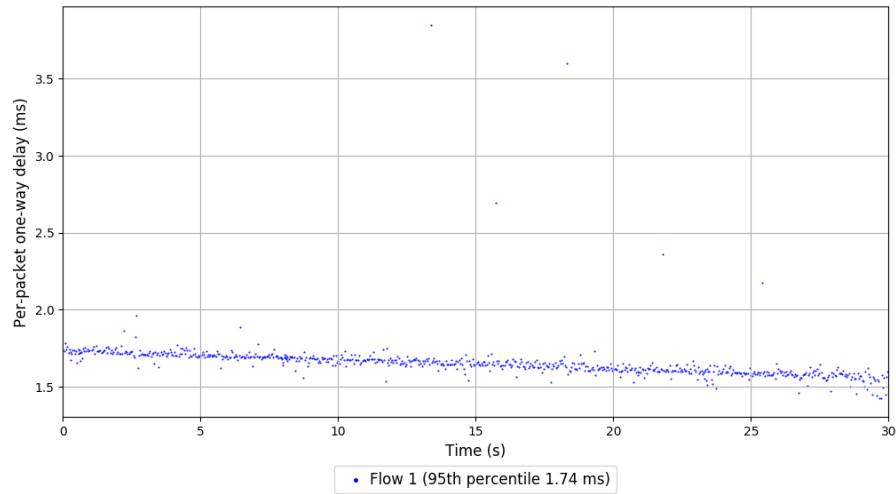
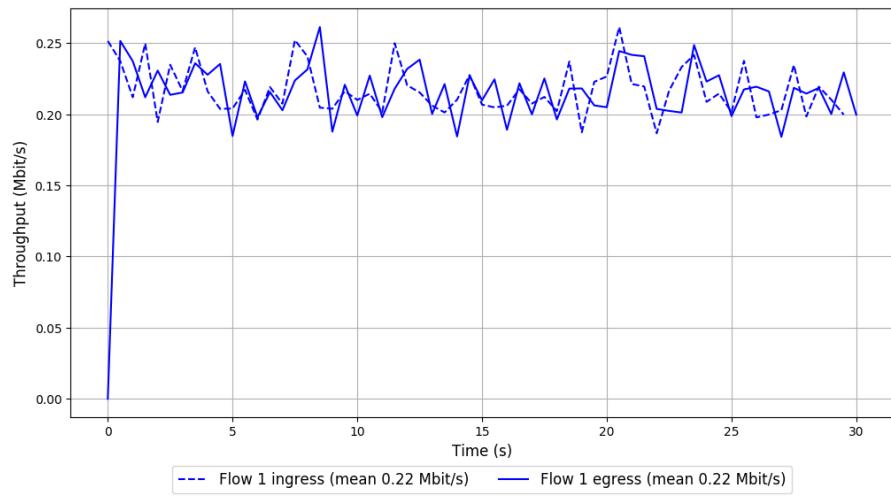


Run 9: Statistics of SCReAM

```
Start at: 2018-05-22 00:18:29
End at: 2018-05-22 00:18:59
Local clock offset: -6.565 ms
Remote clock offset: 23.589 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.736 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

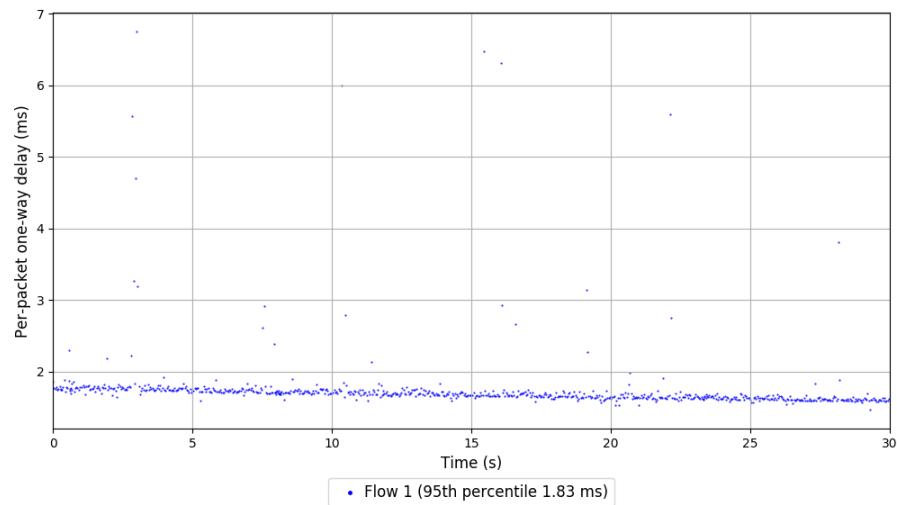
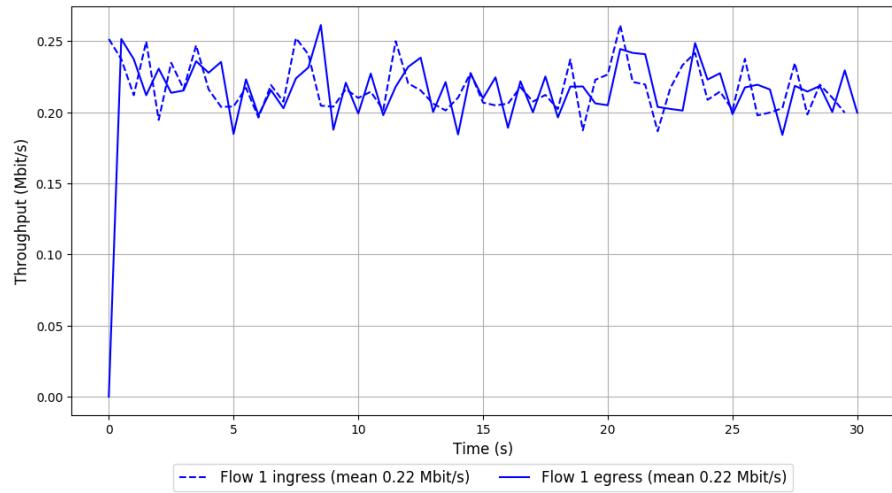


Run 10: Statistics of SCReAM

```
Start at: 2018-05-22 00:36:14
End at: 2018-05-22 00:36:44
Local clock offset: -6.473 ms
Remote clock offset: 29.401 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.833 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

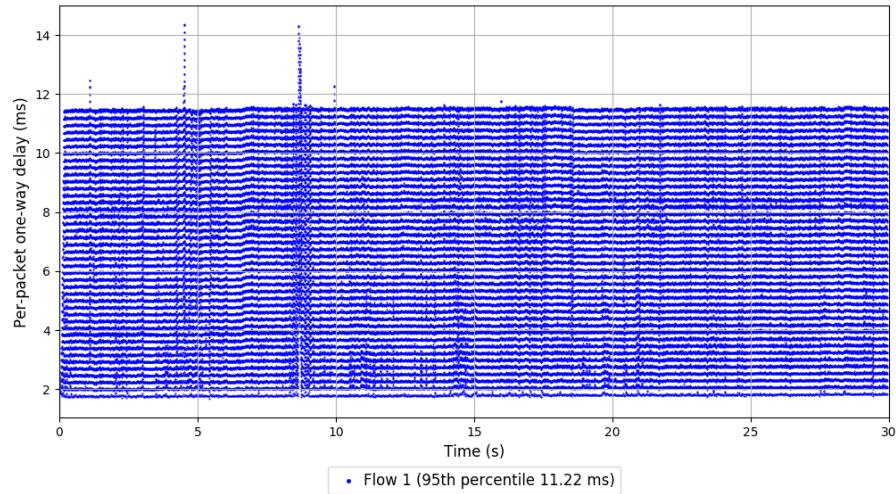
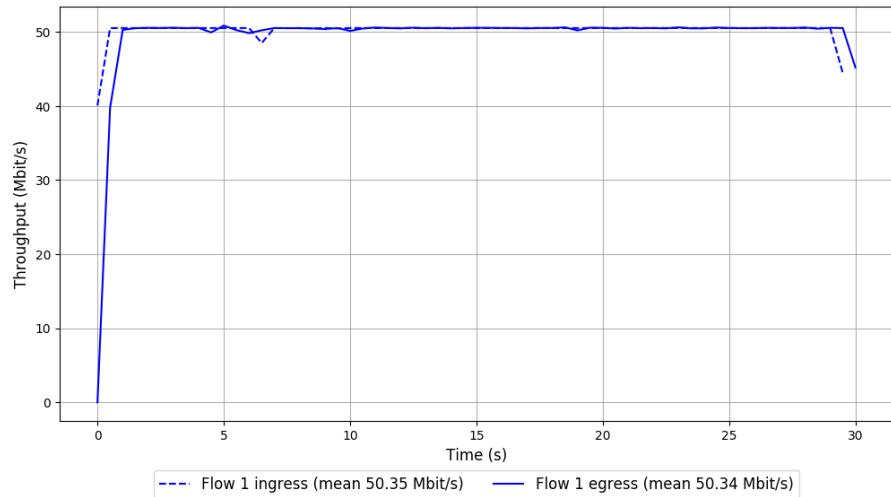


Run 1: Statistics of Sprout

```
Start at: 2018-05-21 21:44:05
End at: 2018-05-21 21:44:35
Local clock offset: -3.451 ms
Remote clock offset: -1.983 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.224 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

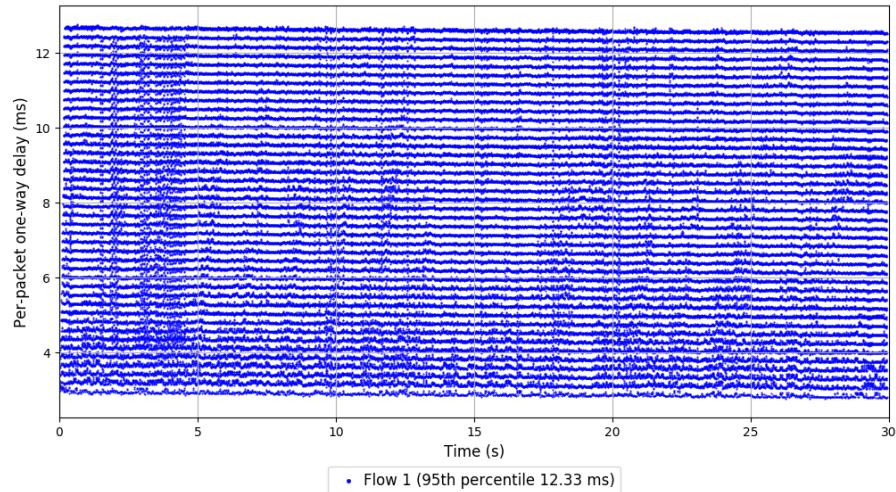
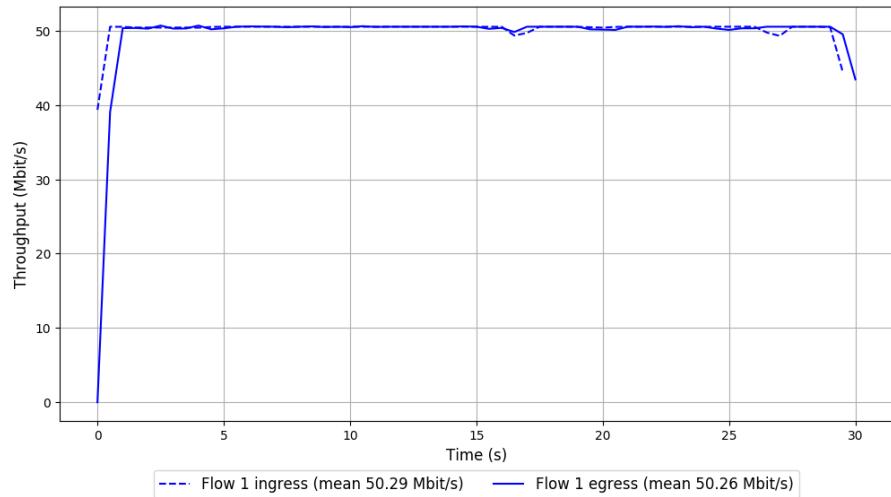


Run 2: Statistics of Sprout

```
Start at: 2018-05-21 22:01:49
End at: 2018-05-21 22:02:19
Local clock offset: -3.502 ms
Remote clock offset: -2.119 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 12.329 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 12.329 ms
Loss rate: 0.07%
```

## Run 2: Report of Sprout — Data Link

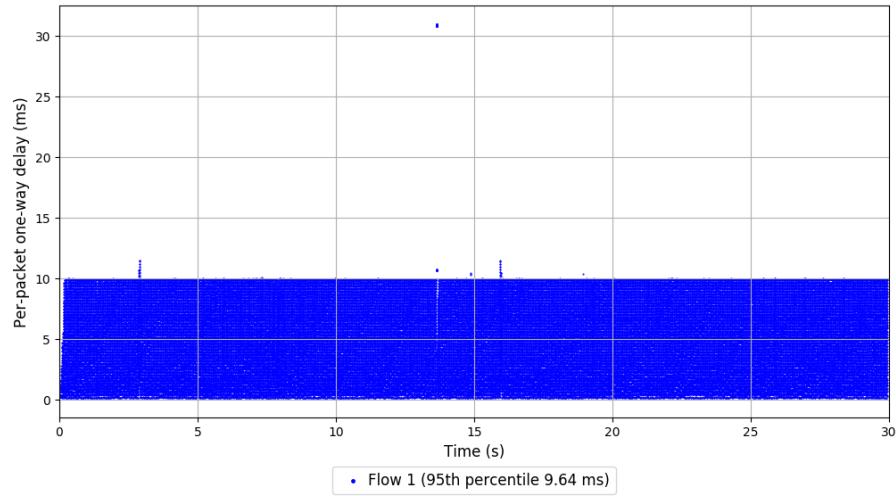
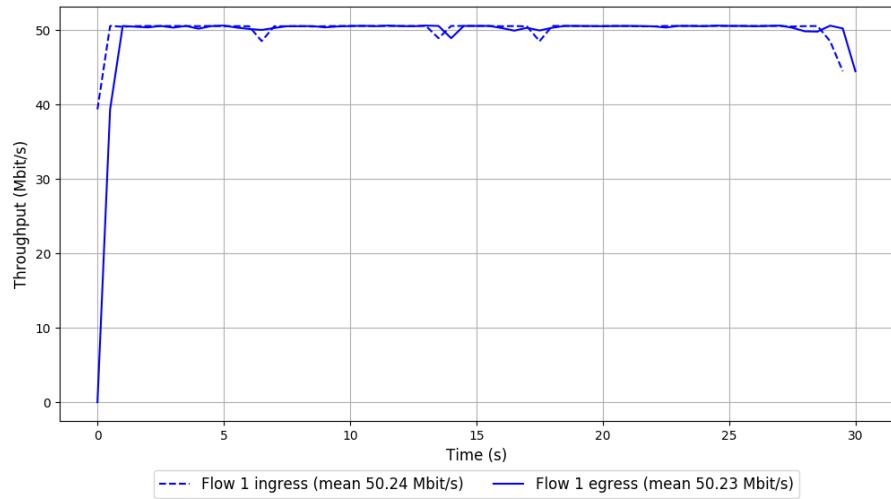


Run 3: Statistics of Sprout

```
Start at: 2018-05-21 22:19:35
End at: 2018-05-21 22:20:05
Local clock offset: -2.94 ms
Remote clock offset: -1.742 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 9.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 9.642 ms
Loss rate: 0.00%
```

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

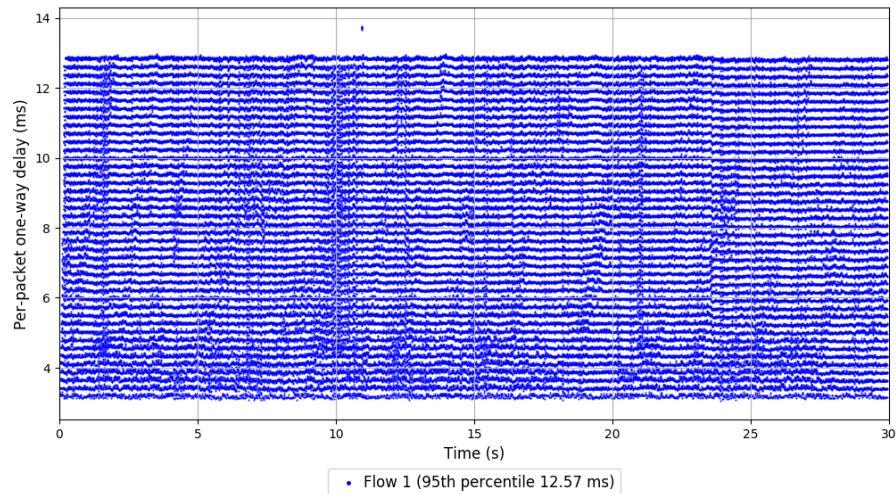
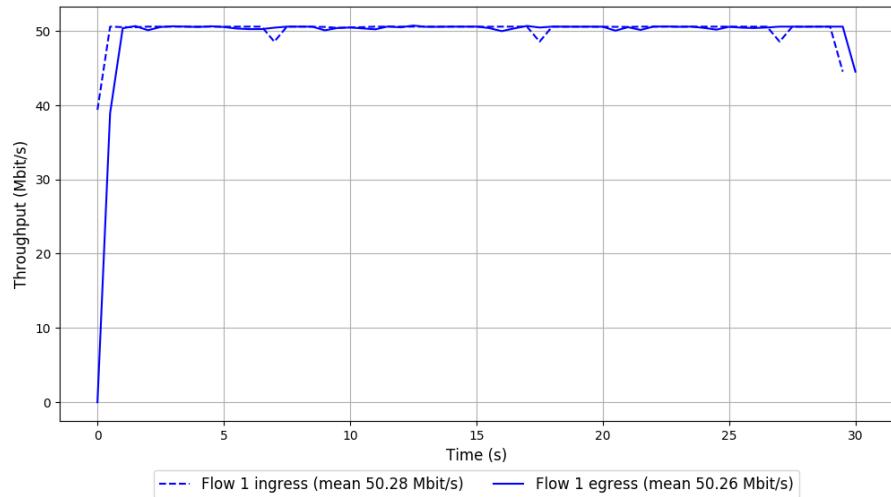


Run 4: Statistics of Sprout

```
Start at: 2018-05-21 22:37:19
End at: 2018-05-21 22:37:49
Local clock offset: -5.269 ms
Remote clock offset: -1.744 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 12.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 12.569 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

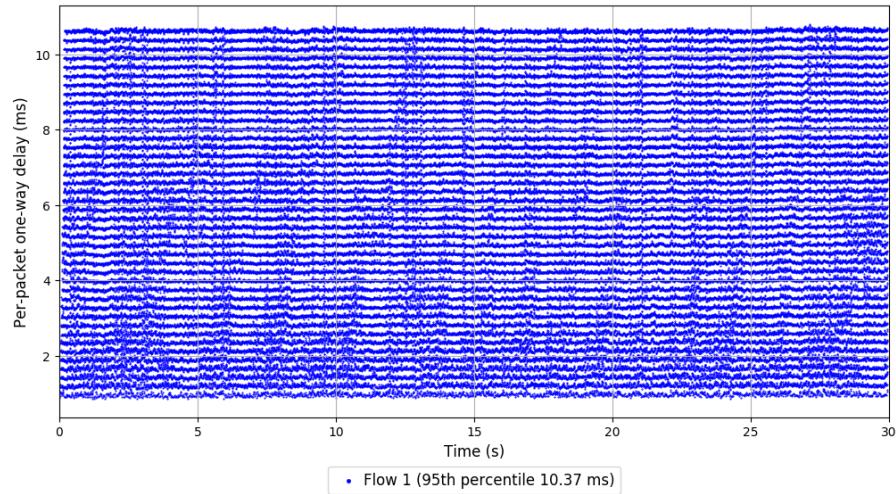
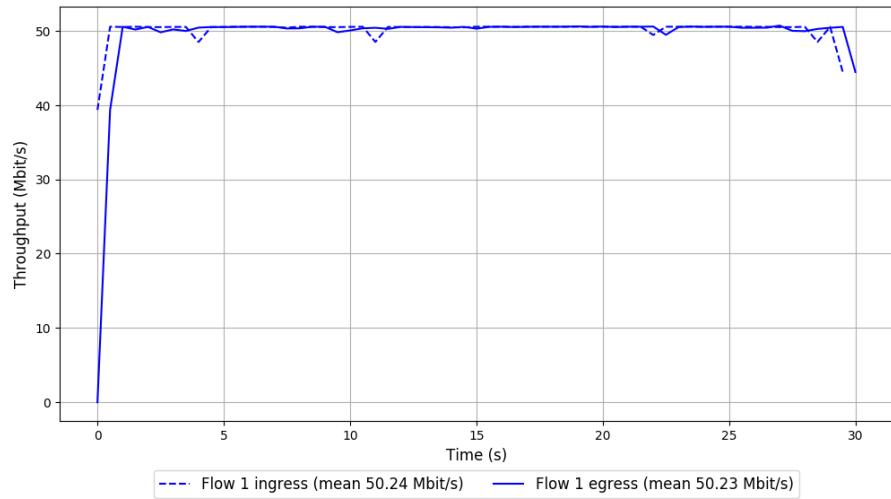


Run 5: Statistics of Sprout

```
Start at: 2018-05-21 22:55:04
End at: 2018-05-21 22:55:34
Local clock offset: -4.082 ms
Remote clock offset: -1.943 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 10.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 10.369 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

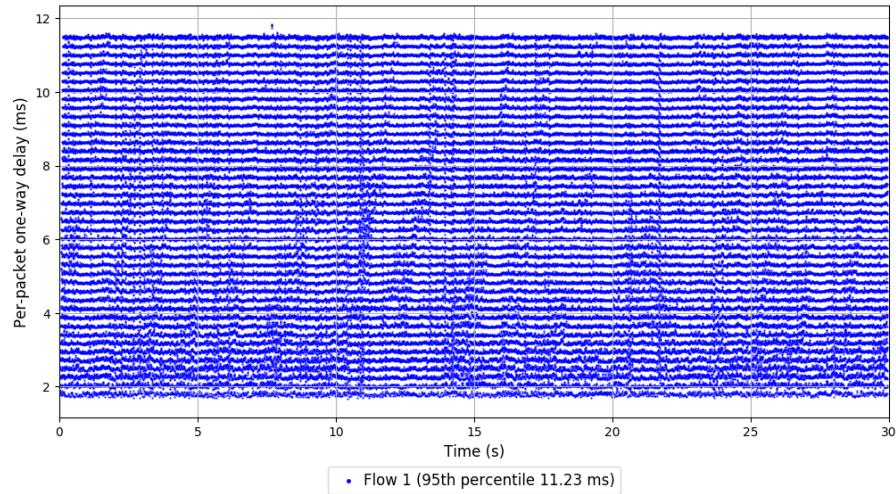
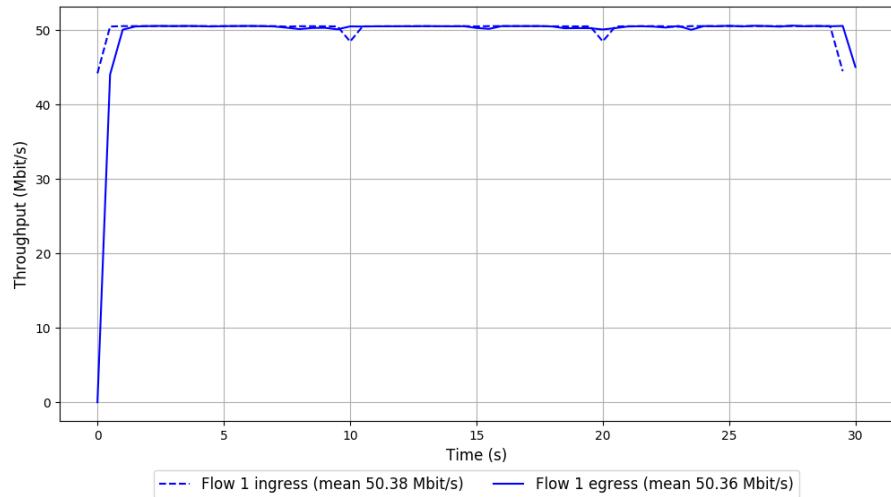


Run 6: Statistics of Sprout

```
Start at: 2018-05-21 23:12:50
End at: 2018-05-21 23:13:20
Local clock offset: -5.826 ms
Remote clock offset: -2.021 ms

# Below is generated by plot.py at 2018-05-22 00:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 11.230 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

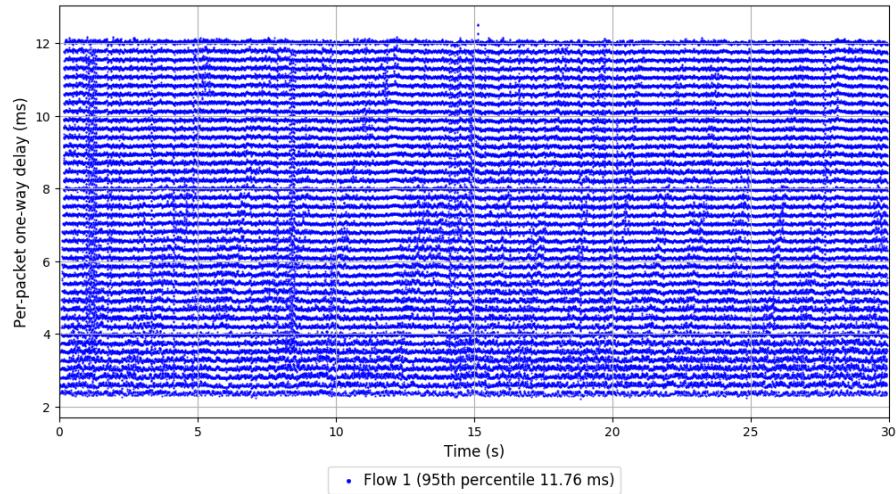
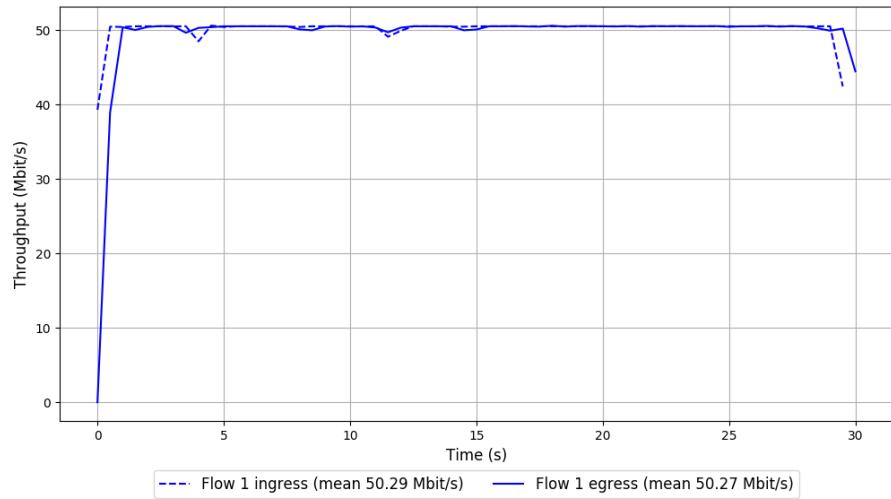


Run 7: Statistics of Sprout

```
Start at: 2018-05-21 23:30:39
End at: 2018-05-21 23:31:09
Local clock offset: -4.972 ms
Remote clock offset: -2.248 ms

# Below is generated by plot.py at 2018-05-22 00:54:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 11.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 11.764 ms
Loss rate: 0.00%
```

## Run 7: Report of Sprout — Data Link

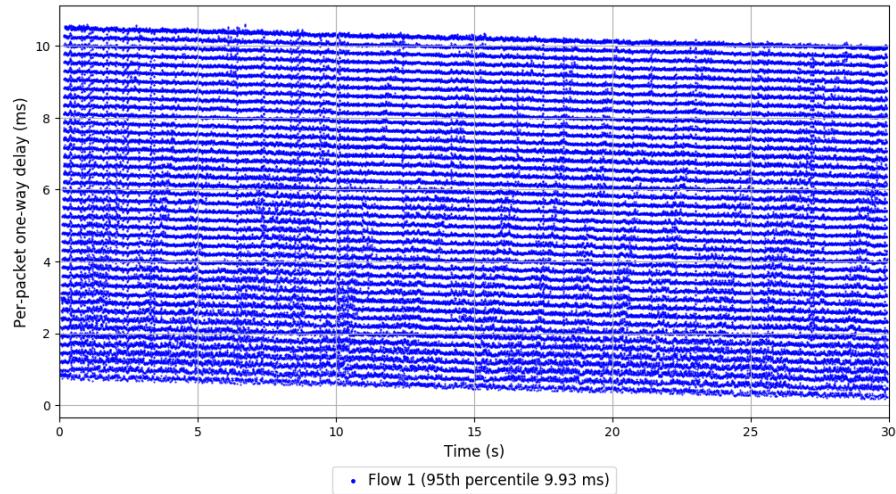
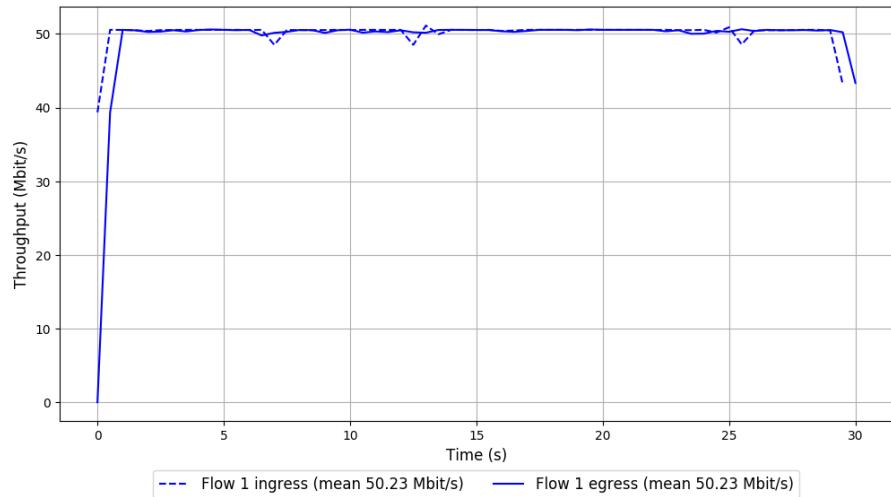


Run 8: Statistics of Sprout

```
Start at: 2018-05-21 23:48:25
End at: 2018-05-21 23:48:55
Local clock offset: -4.942 ms
Remote clock offset: 7.043 ms

# Below is generated by plot.py at 2018-05-22 00:54:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 9.926 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 9.926 ms
Loss rate: 0.01%
```

Run 8: Report of Sprout — Data Link

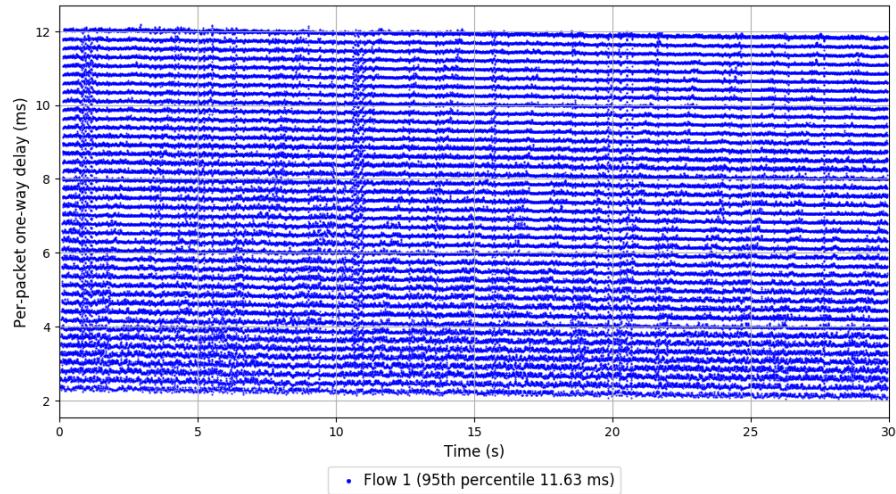
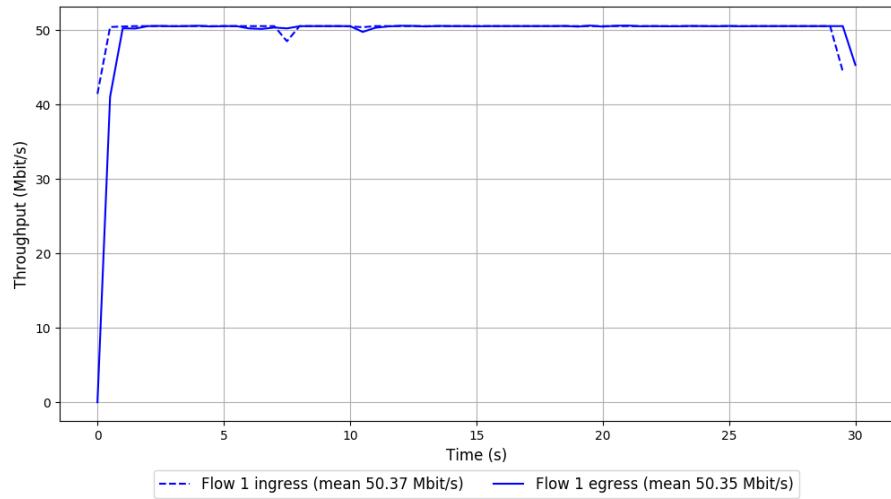


Run 9: Statistics of Sprout

```
Start at: 2018-05-22 00:06:10
End at: 2018-05-22 00:06:40
Local clock offset: -5.478 ms
Remote clock offset: 19.079 ms

# Below is generated by plot.py at 2018-05-22 00:54:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 11.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 11.631 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

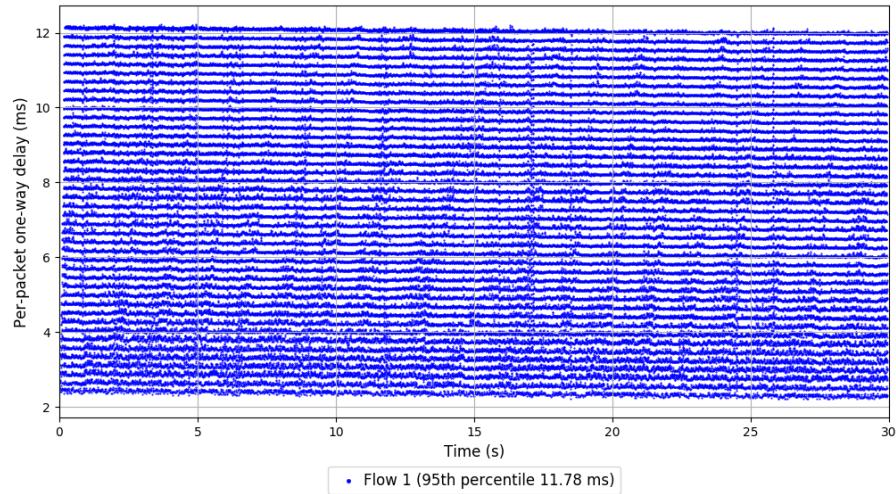
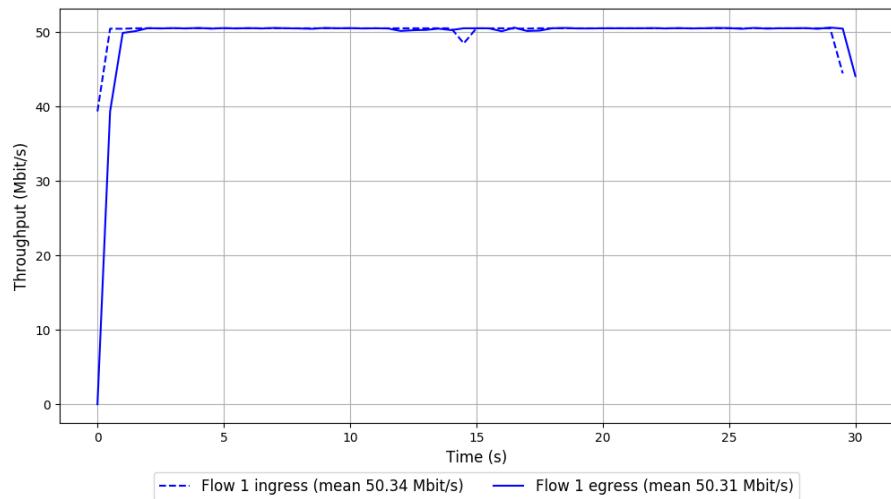


Run 10: Statistics of Sprout

```
Start at: 2018-05-22 00:23:55
End at: 2018-05-22 00:24:25
Local clock offset: -5.806 ms
Remote clock offset: 25.463 ms

# Below is generated by plot.py at 2018-05-22 00:54:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 11.777 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 11.777 ms
Loss rate: 0.04%
```

Run 10: Report of Sprout — Data Link

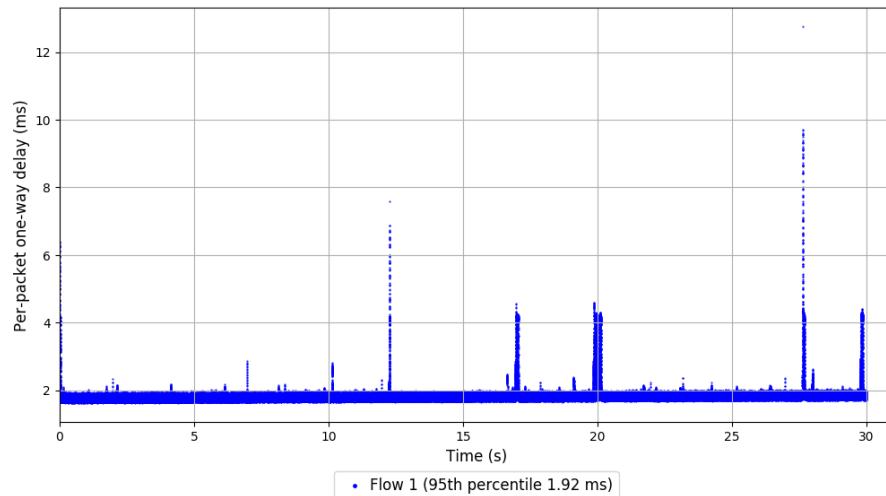
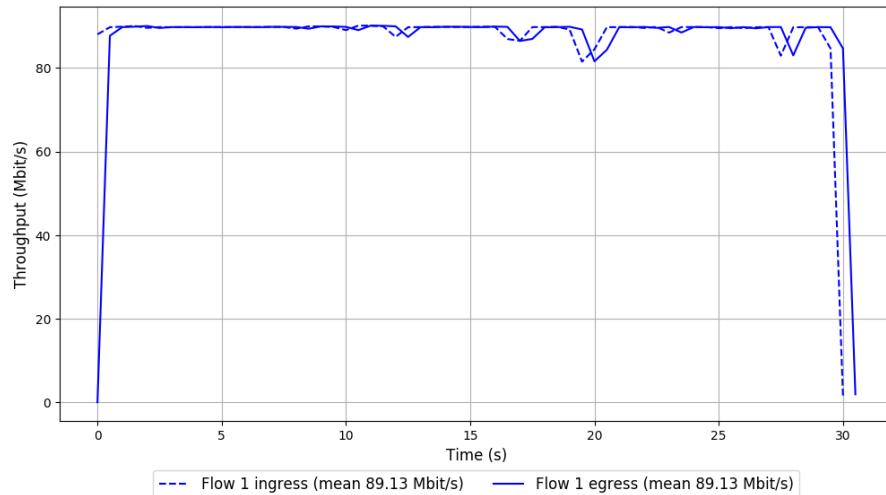


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-21 21:51:49
End at: 2018-05-21 21:52:19
Local clock offset: -2.377 ms
Remote clock offset: -2.18 ms

# Below is generated by plot.py at 2018-05-22 00:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 1.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 1.921 ms
Loss rate: 0.00%
```

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

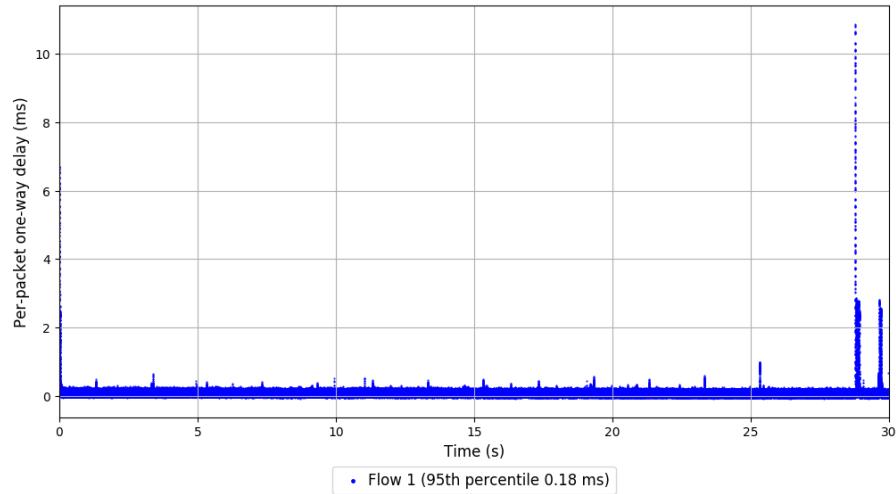
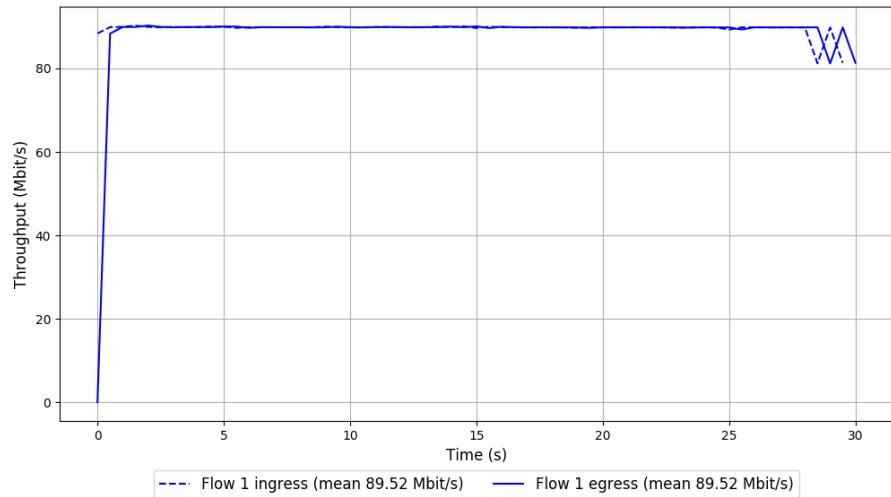


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:09:34
End at: 2018-05-21 22:10:04
Local clock offset: -3.036 ms
Remote clock offset: -1.927 ms

# Below is generated by plot.py at 2018-05-22 00:56:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 0.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 0.182 ms
Loss rate: 0.00%
```

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

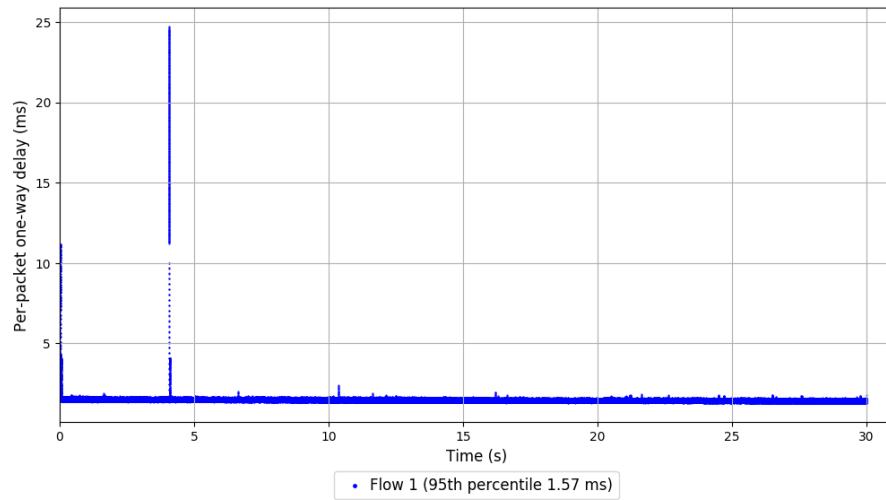
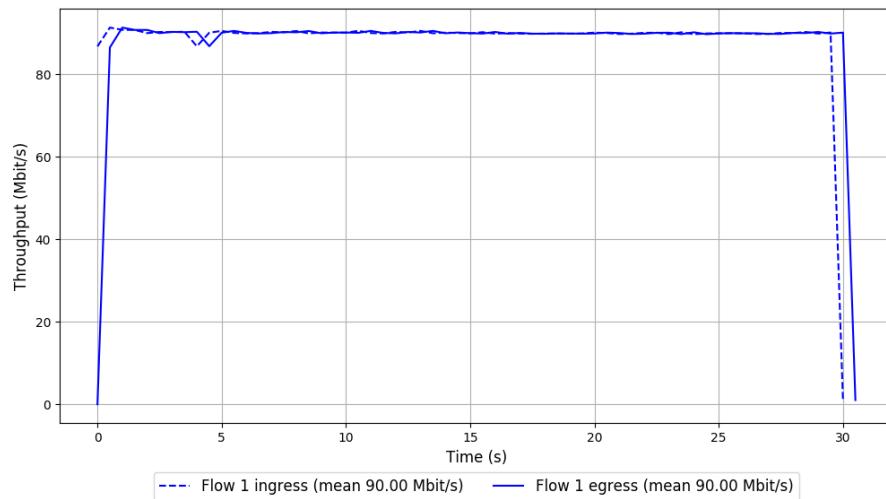


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:27:19
End at: 2018-05-21 22:27:49
Local clock offset: -2.632 ms
Remote clock offset: -1.705 ms

# Below is generated by plot.py at 2018-05-22 00:56:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 1.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 1.571 ms
Loss rate: 0.00%
```

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

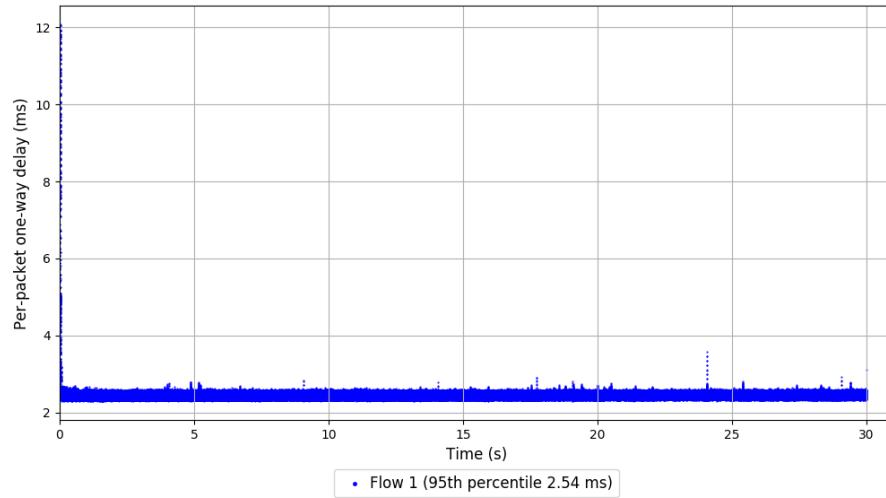
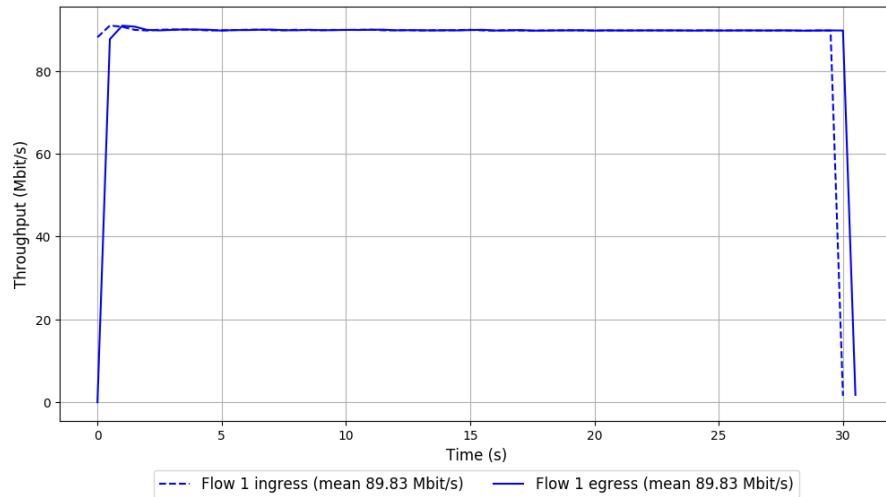


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:45:04
End at: 2018-05-21 22:45:34
Local clock offset: -4.419 ms
Remote clock offset: -1.818 ms

# Below is generated by plot.py at 2018-05-22 00:56:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 2.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 2.544 ms
Loss rate: 0.00%
```

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

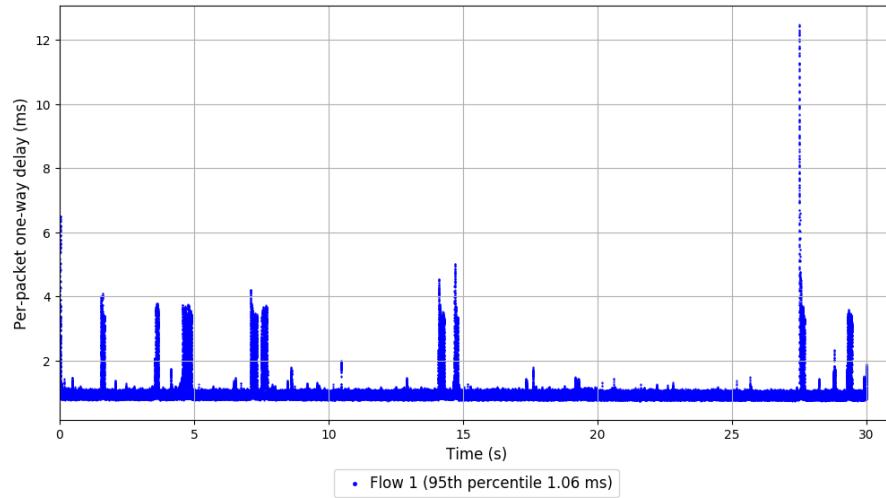
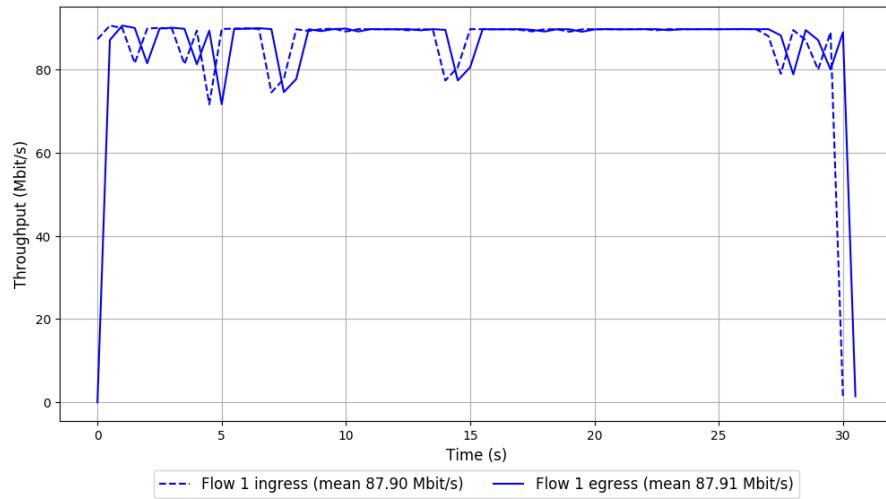


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:02:49
End at: 2018-05-21 23:03:19
Local clock offset: -4.691 ms
Remote clock offset: -1.988 ms

# Below is generated by plot.py at 2018-05-22 00:56:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.00%
```

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

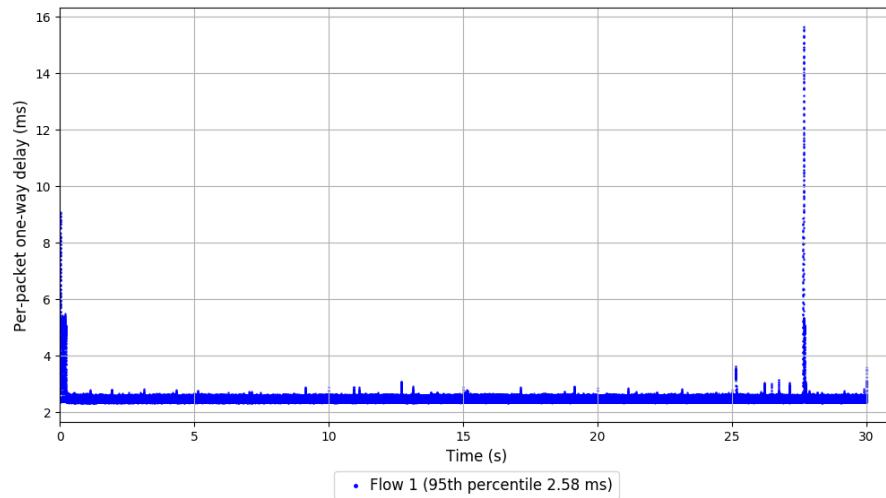
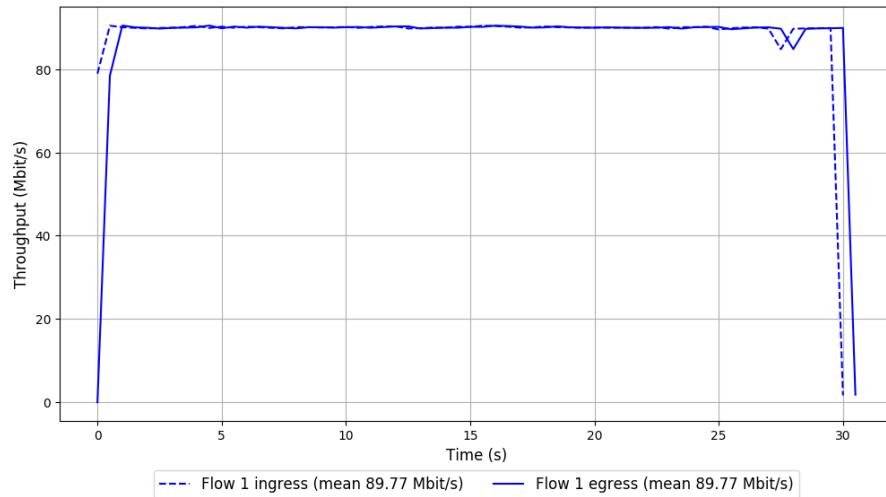


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:20:34
End at: 2018-05-21 23:21:04
Local clock offset: -4.998 ms
Remote clock offset: -2.111 ms

# Below is generated by plot.py at 2018-05-22 00:56:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 2.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 2.580 ms
Loss rate: 0.00%
```

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

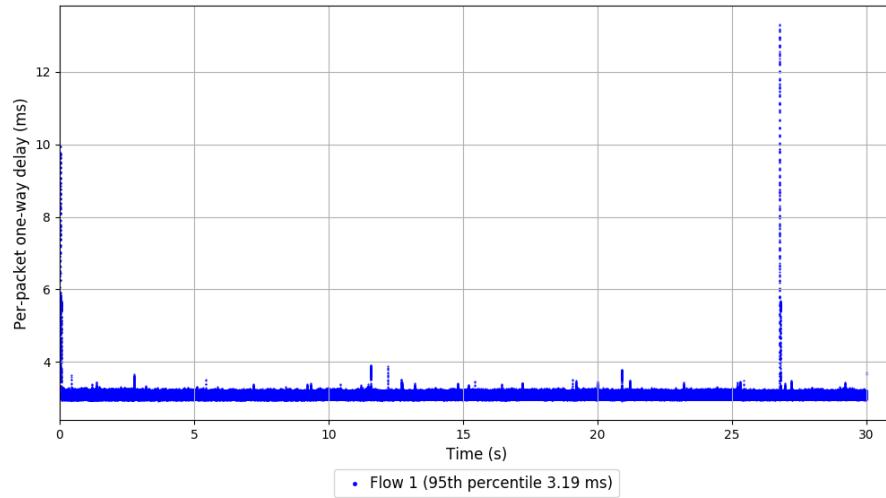
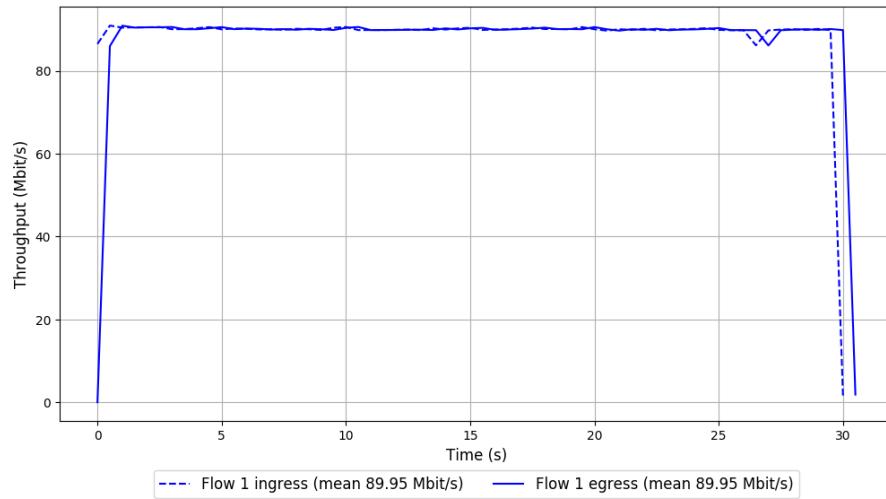


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:38:24
End at: 2018-05-21 23:38:54
Local clock offset: -5.799 ms
Remote clock offset: -2.421 ms

# Below is generated by plot.py at 2018-05-22 00:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 3.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 3.194 ms
Loss rate: 0.00%
```

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

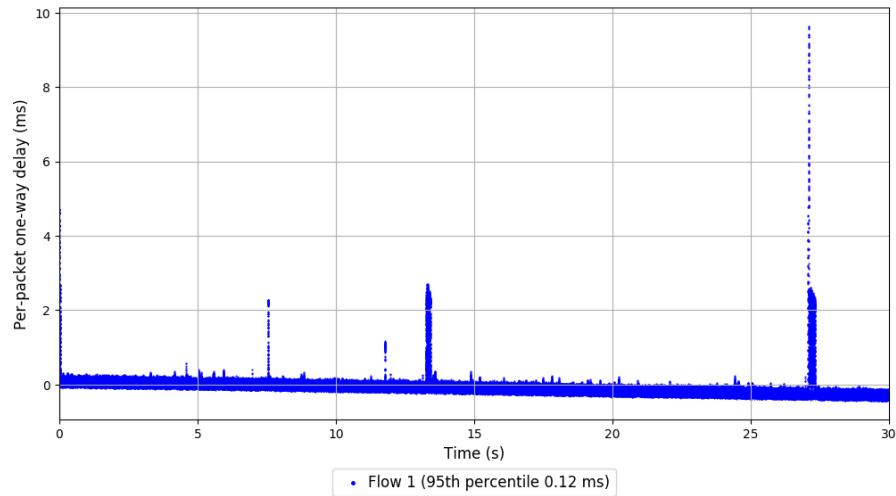
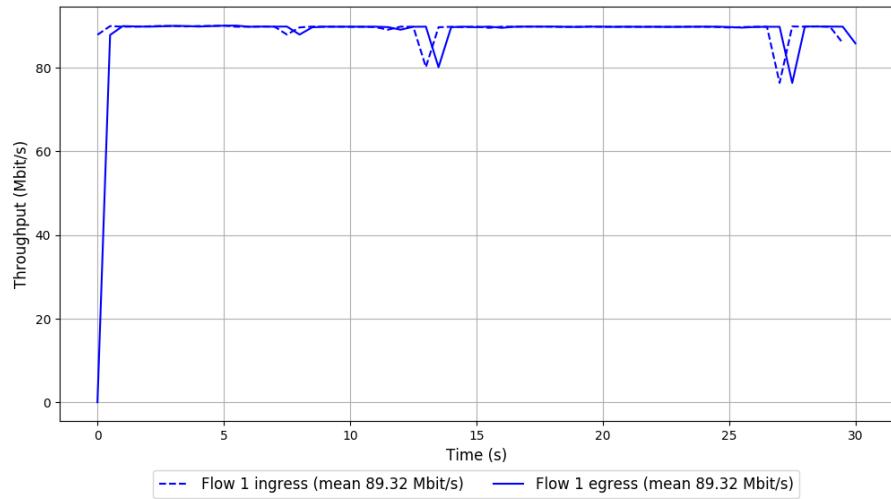


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:56:09
End at: 2018-05-21 23:56:39
Local clock offset: -4.059 ms
Remote clock offset: 13.835 ms

# Below is generated by plot.py at 2018-05-22 00:56:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 0.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 0.118 ms
Loss rate: 0.00%
```

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

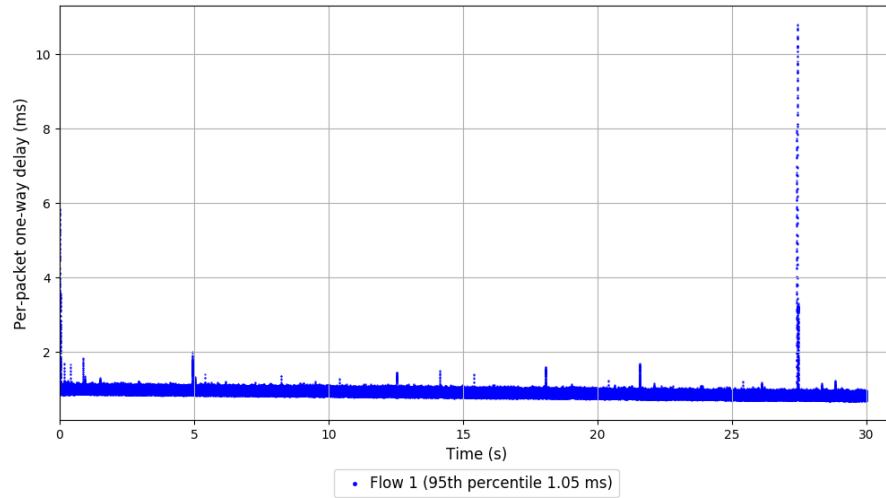
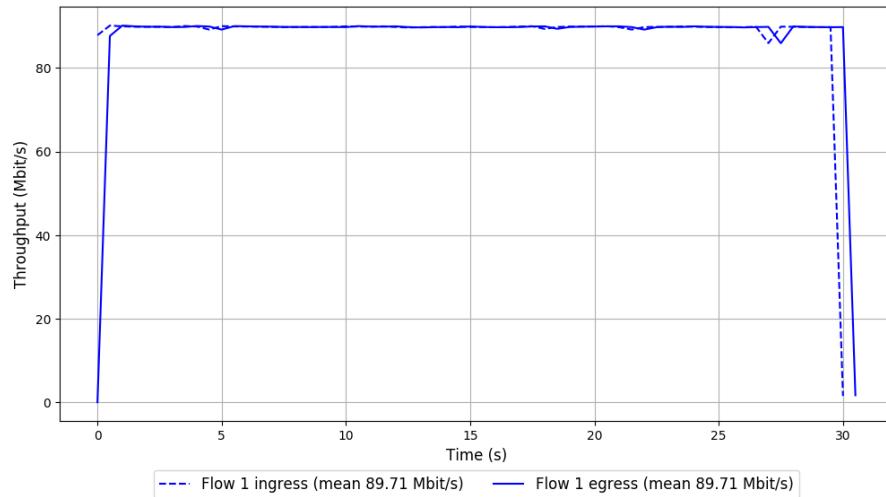


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-22 00:13:55
End at: 2018-05-22 00:14:25
Local clock offset: -5.738 ms
Remote clock offset: 22.079 ms

# Below is generated by plot.py at 2018-05-22 00:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.00%
```

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

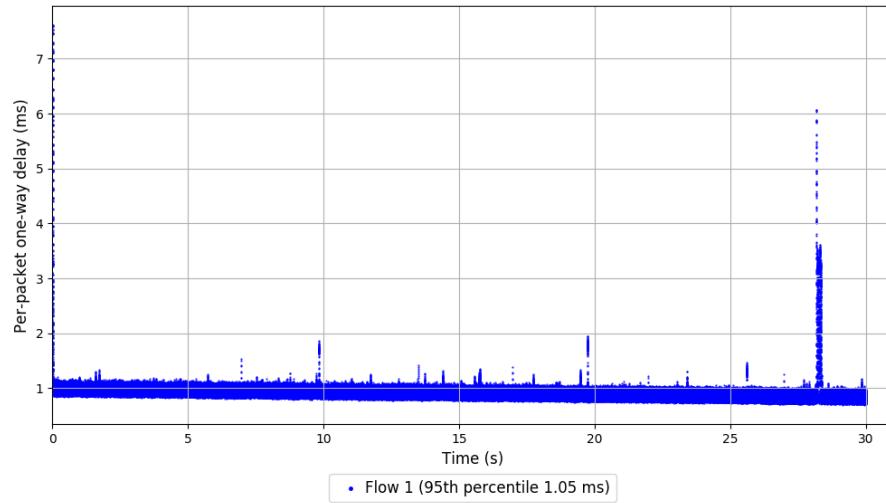
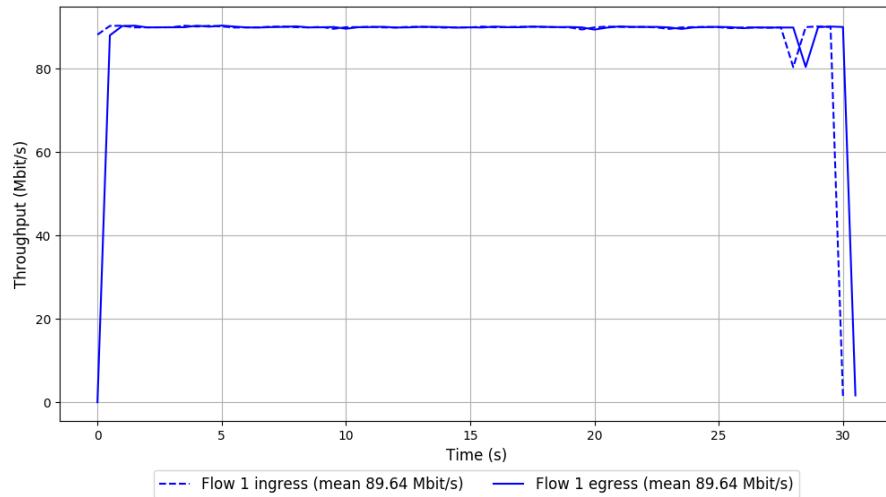


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-22 00:31:40
End at: 2018-05-22 00:32:10
Local clock offset: -5.742 ms
Remote clock offset: 27.97 ms

# Below is generated by plot.py at 2018-05-22 00:58:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.00%
```

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

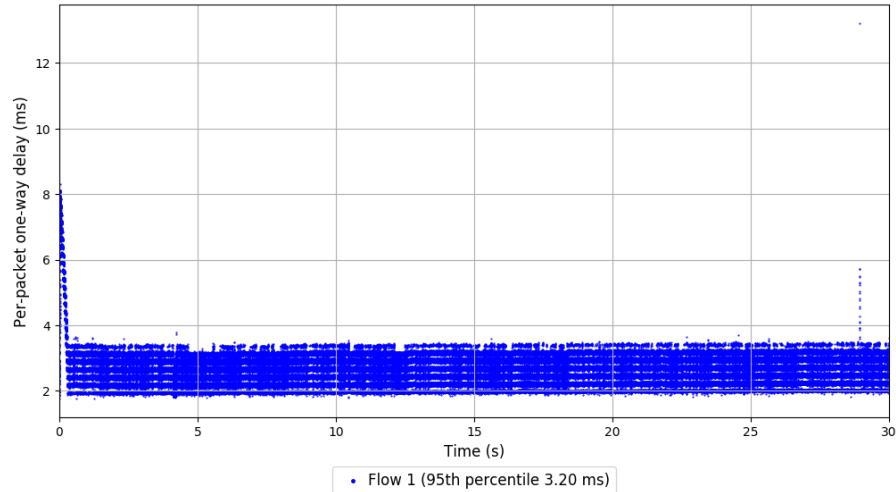
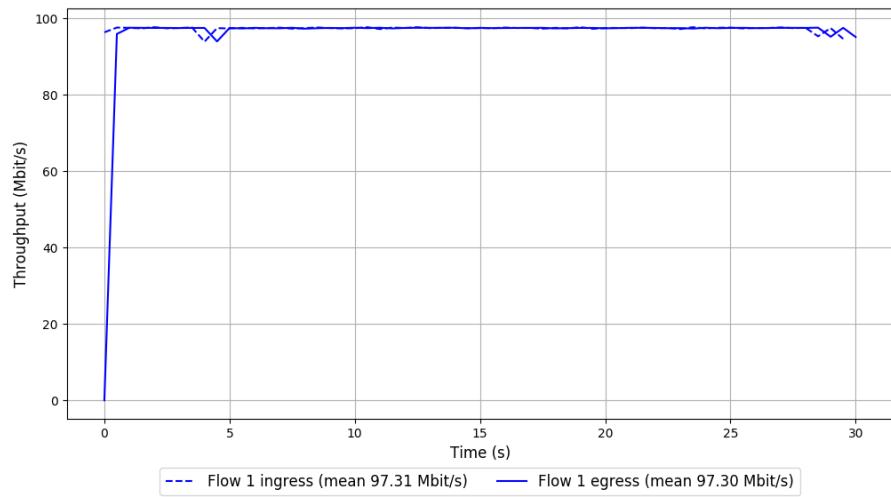


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-21 21:49:35
End at: 2018-05-21 21:50:05
Local clock offset: -2.698 ms
Remote clock offset: -2.016 ms

# Below is generated by plot.py at 2018-05-22 00:58:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 3.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 3.198 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

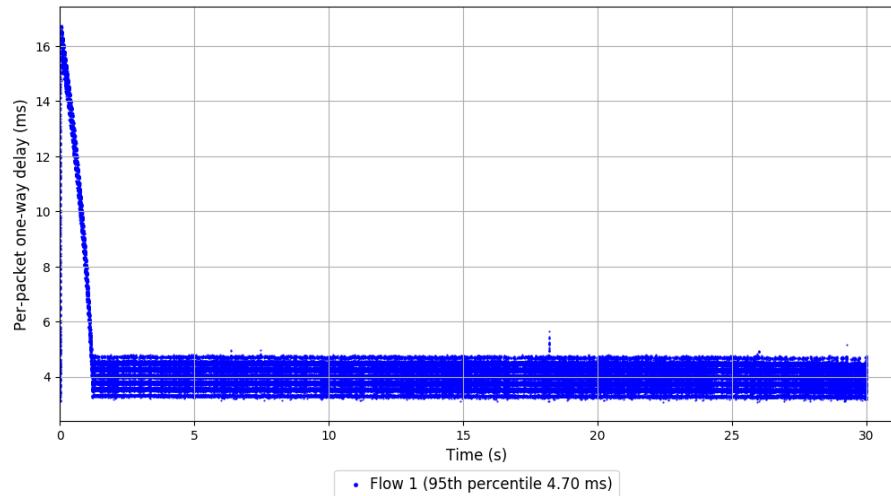
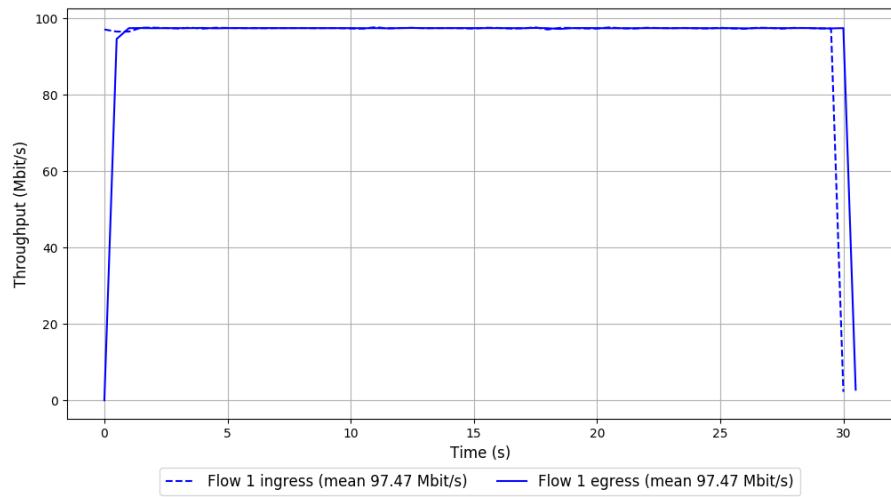


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:07:20
End at: 2018-05-21 22:07:50
Local clock offset: -4.472 ms
Remote clock offset: -1.87 ms

# Below is generated by plot.py at 2018-05-22 00:58:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.701 ms
Loss rate: 0.00%
```

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

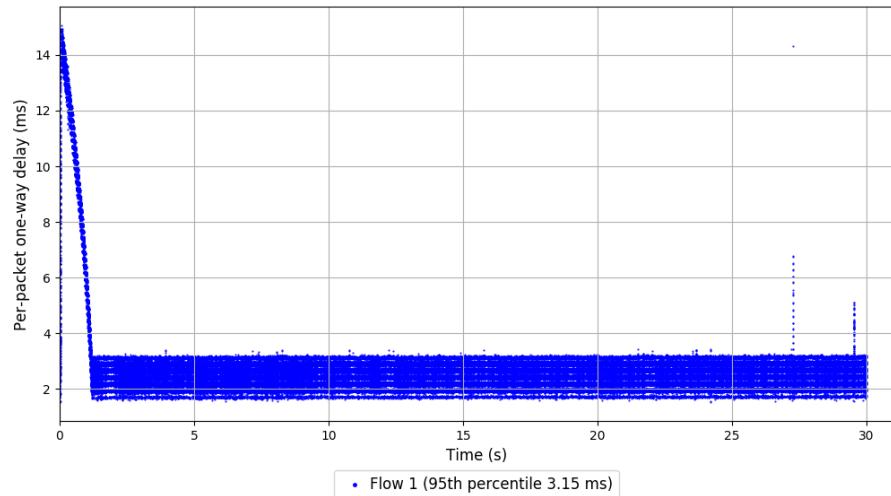
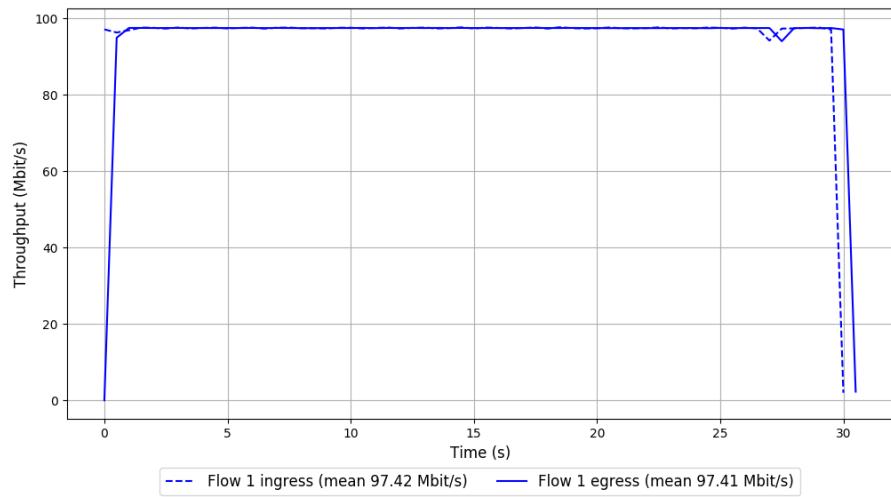


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:25:04
End at: 2018-05-21 22:25:34
Local clock offset: -2.612 ms
Remote clock offset: -1.744 ms

# Below is generated by plot.py at 2018-05-22 00:58:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 3.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 3.145 ms
Loss rate: 0.00%
```

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

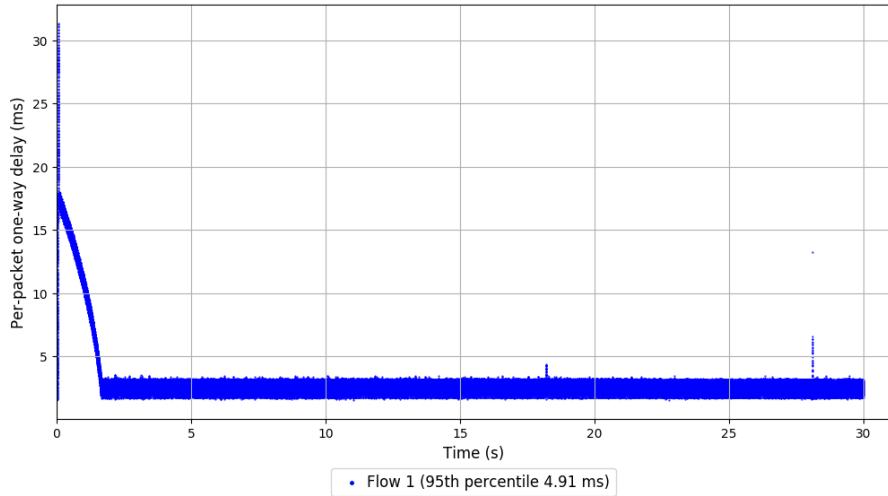
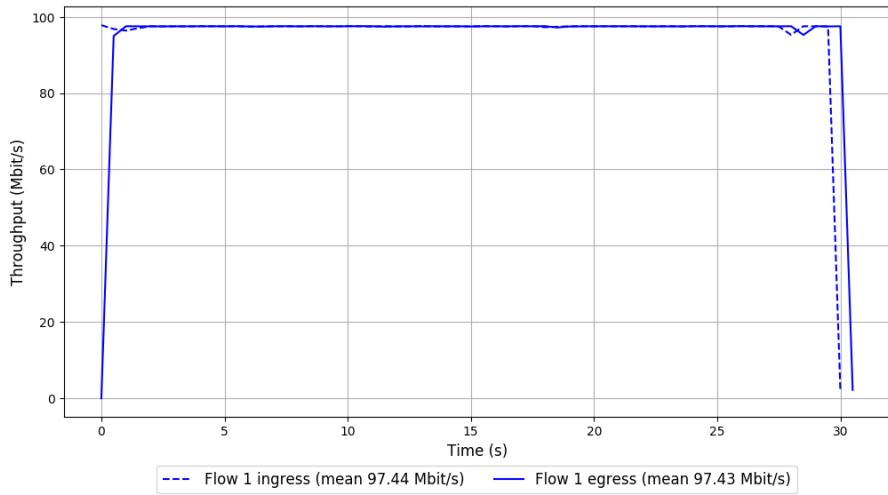


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:42:50
End at: 2018-05-21 22:43:20
Local clock offset: -3.7 ms
Remote clock offset: -1.806 ms

# Below is generated by plot.py at 2018-05-22 00:58:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 4.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 4.914 ms
Loss rate: 0.00%
```

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

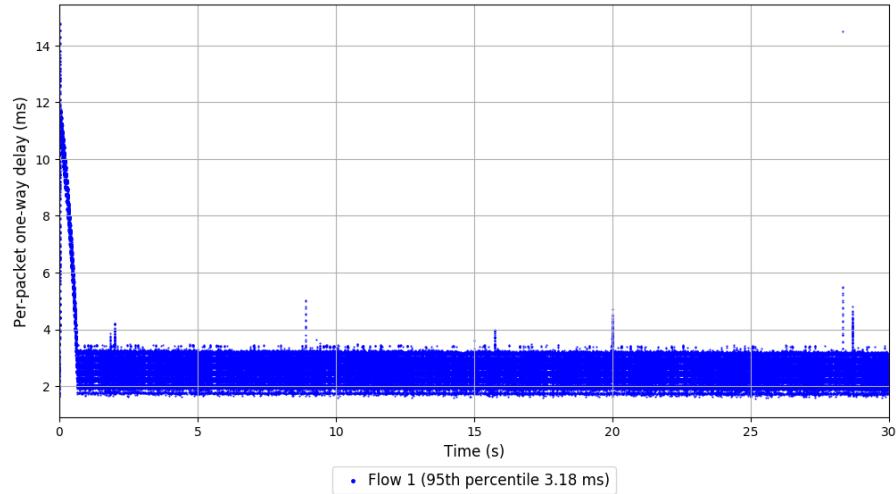
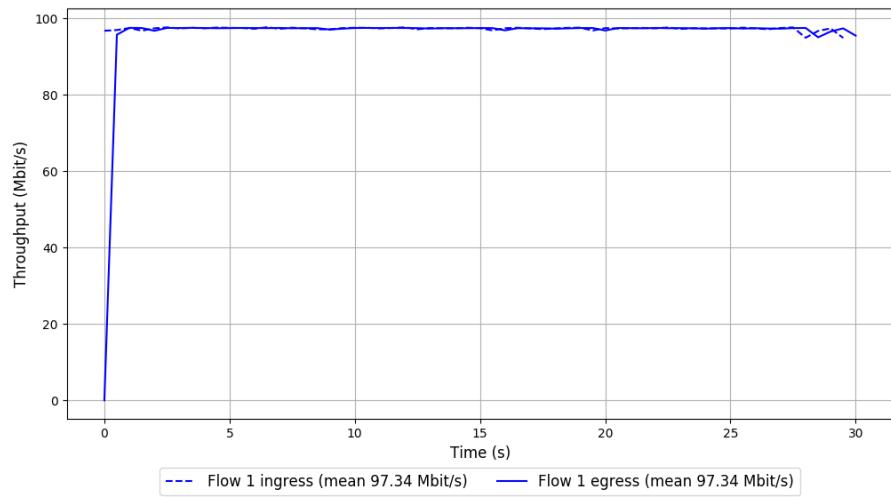


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:00:35
End at: 2018-05-21 23:01:05
Local clock offset: -5.352 ms
Remote clock offset: -1.996 ms

# Below is generated by plot.py at 2018-05-22 00:58:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 3.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 3.177 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

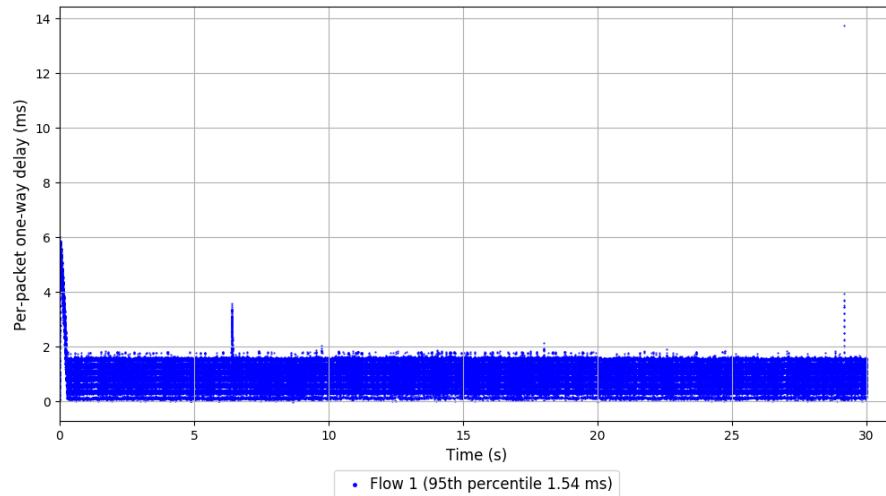
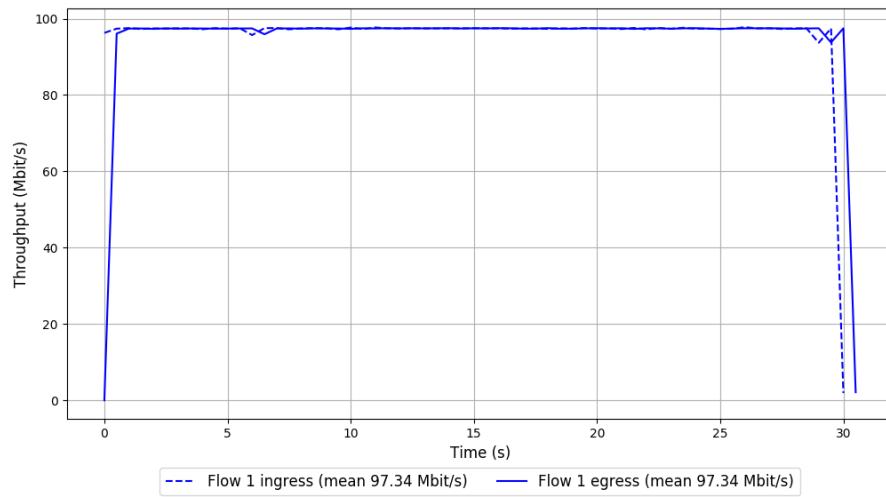


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:18:20
End at: 2018-05-21 23:18:50
Local clock offset: -4.191 ms
Remote clock offset: -2.187 ms

# Below is generated by plot.py at 2018-05-22 00:58:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 1.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 1.541 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

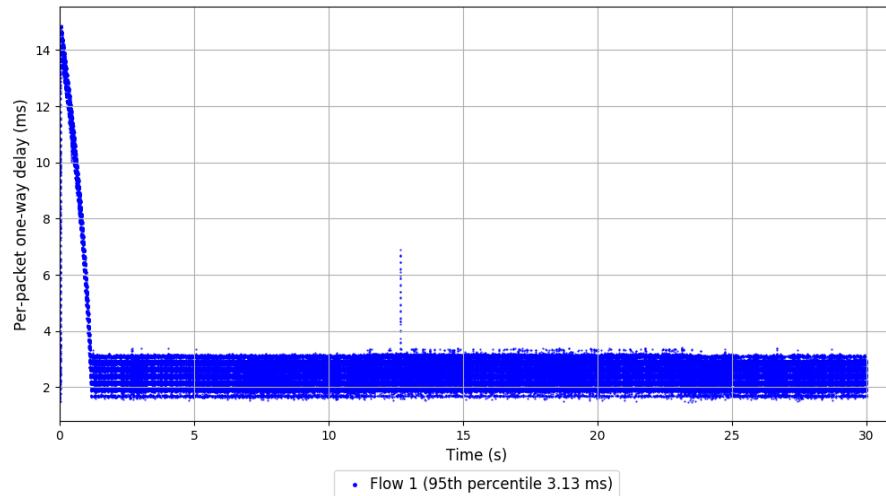
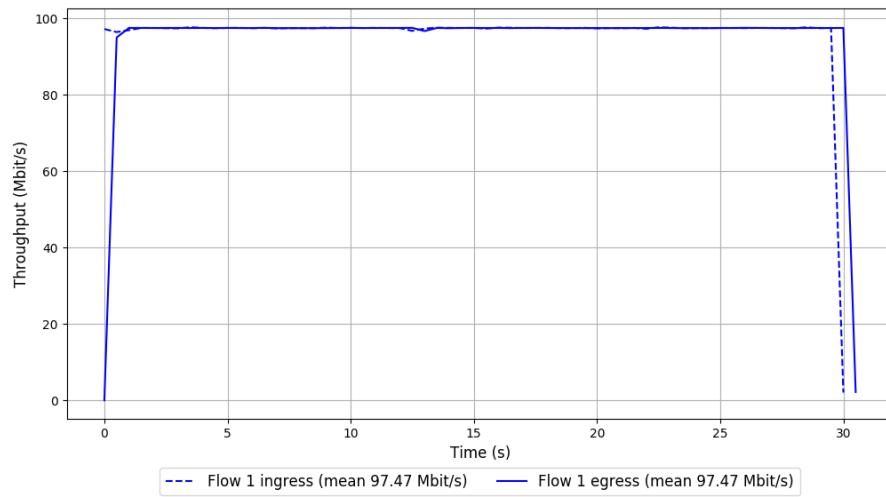


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:36:10
End at: 2018-05-21 23:36:40
Local clock offset: -4.263 ms
Remote clock offset: -2.351 ms

# Below is generated by plot.py at 2018-05-22 00:58:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.01%
```

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

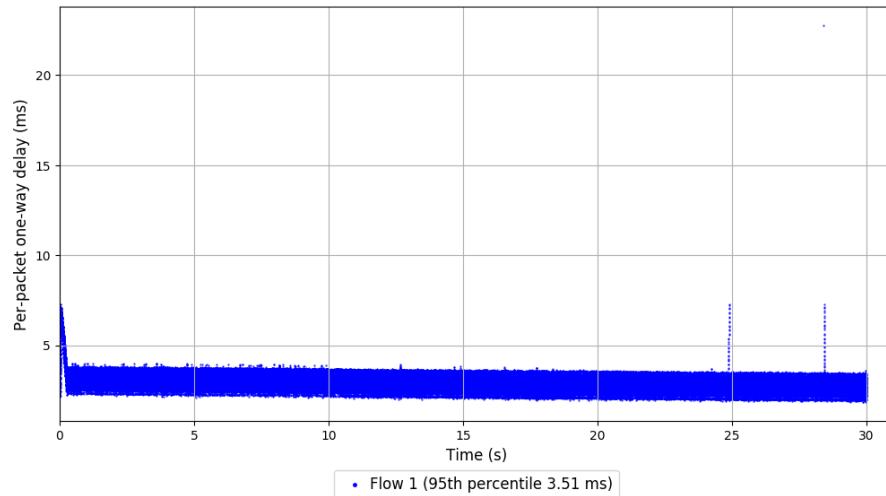
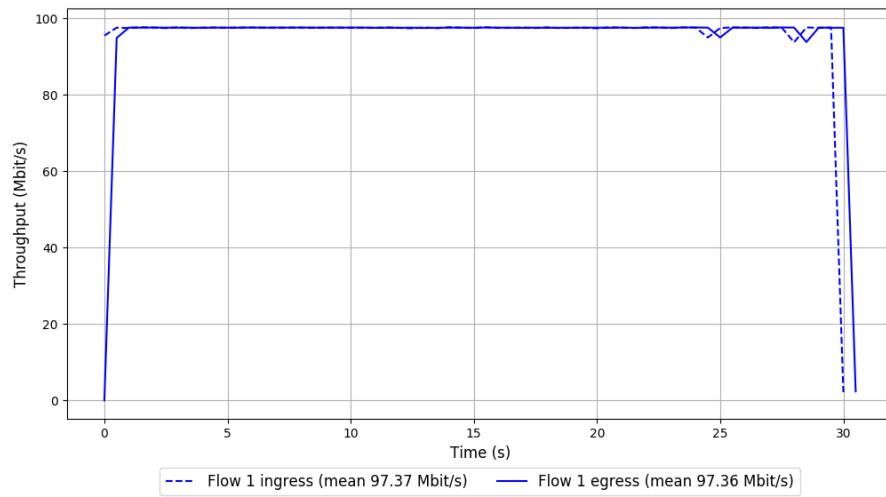


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:53:55
End at: 2018-05-21 23:54:25
Local clock offset: -4.95 ms
Remote clock offset: 12.125 ms

# Below is generated by plot.py at 2018-05-22 00:58:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 3.512 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 3.512 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link

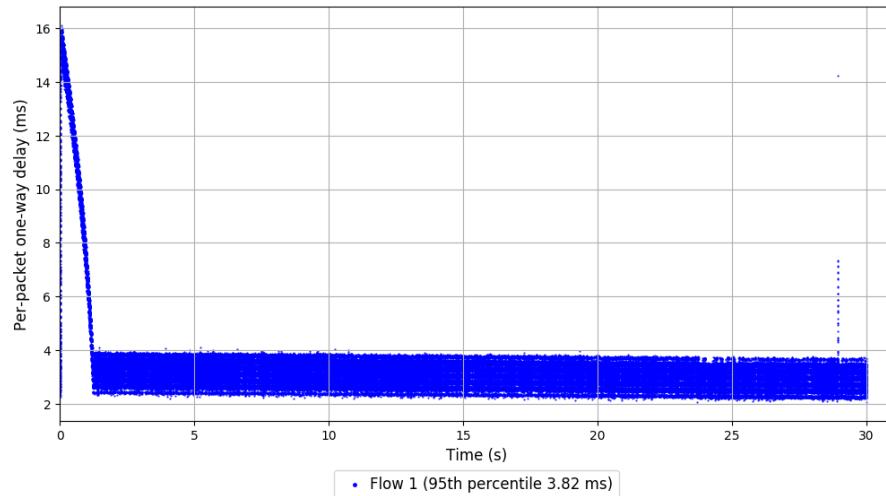
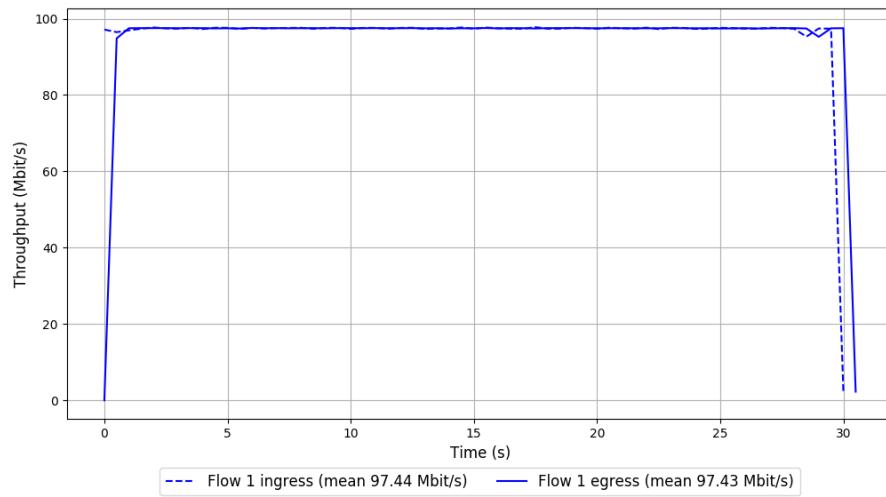


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-22 00:11:40
End at: 2018-05-22 00:12:10
Local clock offset: -5.634 ms
Remote clock offset: 21.239 ms

# Below is generated by plot.py at 2018-05-22 00:58:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 3.816 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 3.816 ms
Loss rate: 0.01%
```

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

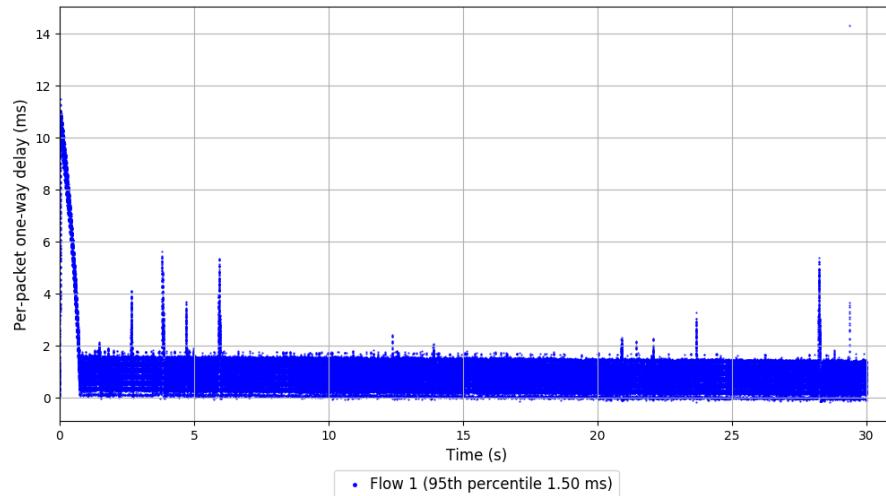
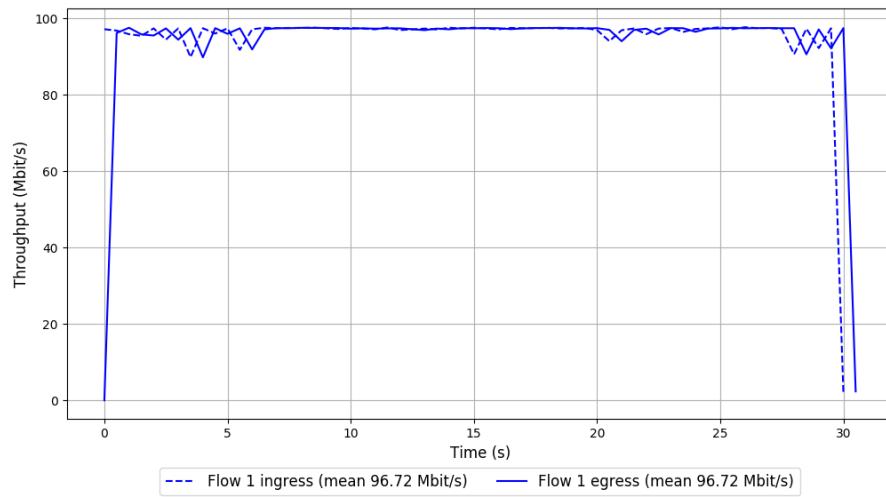


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-22 00:29:25
End at: 2018-05-22 00:29:55
Local clock offset: -4.938 ms
Remote clock offset: 27.168 ms

# Below is generated by plot.py at 2018-05-22 00:58:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-21 21:41:52  
End at: 2018-05-21 21:42:22  
Local clock offset: -2.933 ms  
Remote clock offset: -1.853 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-21 21:59:36

End at: 2018-05-21 22:00:06

Local clock offset: -2.045 ms

Remote clock offset: -2.139 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-21 22:17:22  
End at: 2018-05-21 22:17:52  
Local clock offset: -3.025 ms  
Remote clock offset: -1.739 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-21 22:35:06  
End at: 2018-05-21 22:35:36  
Local clock offset: -3.581 ms  
Remote clock offset: -1.713 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-21 22:52:51  
End at: 2018-05-21 22:53:21  
Local clock offset: -4.233 ms  
Remote clock offset: -1.945 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-21 23:10:36  
End at: 2018-05-21 23:11:06  
Local clock offset: -5.761 ms  
Remote clock offset: -2.025 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-21 23:28:21  
End at: 2018-05-21 23:28:51  
Local clock offset: -5.657 ms  
Remote clock offset: -2.154 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-21 23:46:12  
End at: 2018-05-21 23:46:42  
Local clock offset: -4.213 ms  
Remote clock offset: 4.004 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-22 00:03:57  
End at: 2018-05-22 00:04:27  
Local clock offset: -5.372 ms  
Remote clock offset: 18.096 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-22 00:21:42

End at: 2018-05-22 00:22:12

Local clock offset: -5.726 ms

Remote clock offset: 24.676 ms

Run 10: Report of Verus — Data Link

Figure is missing

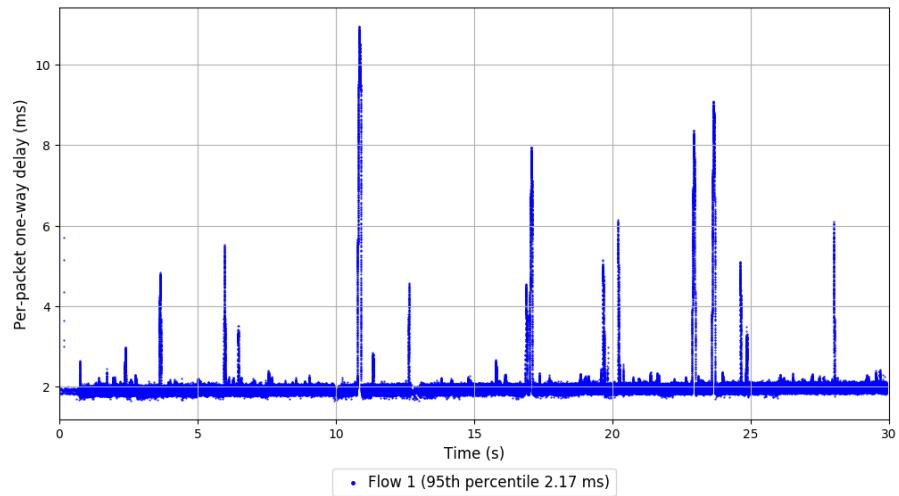
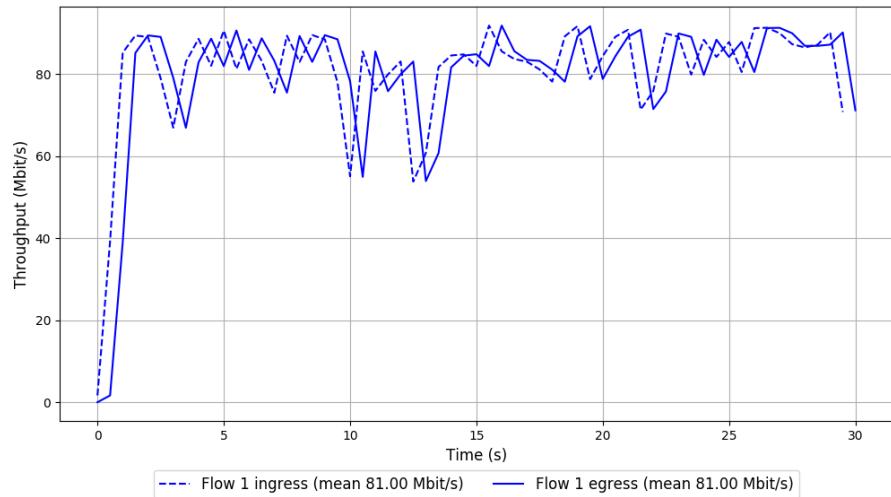
Figure is missing

Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-21 21:45:10
End at: 2018-05-21 21:45:40
Local clock offset: -3.341 ms
Remote clock offset: -1.959 ms

# Below is generated by plot.py at 2018-05-22 00:58:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 2.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 2.175 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

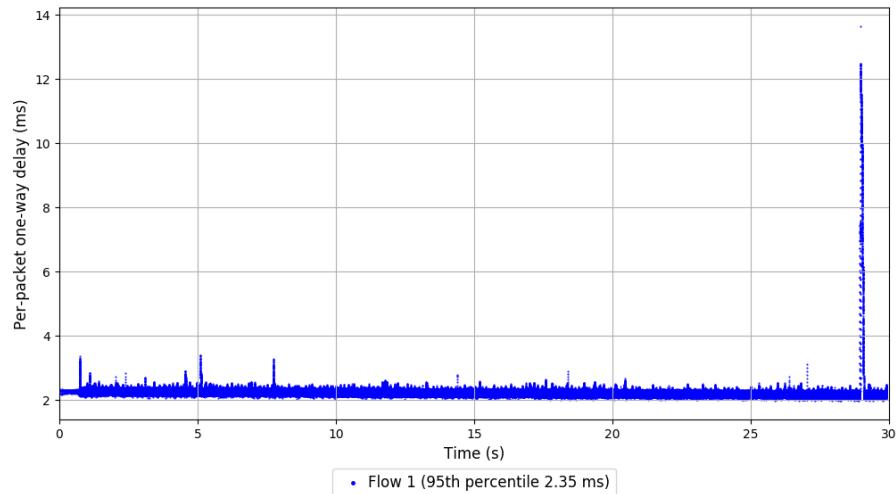
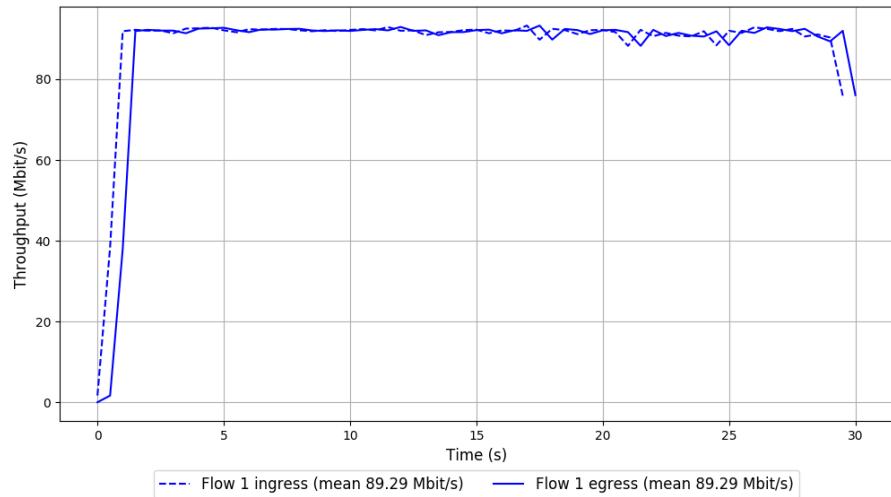


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:02:54
End at: 2018-05-21 22:03:24
Local clock offset: -2.991 ms
Remote clock offset: -2.037 ms

# Below is generated by plot.py at 2018-05-22 00:58:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Vivace — Data Link

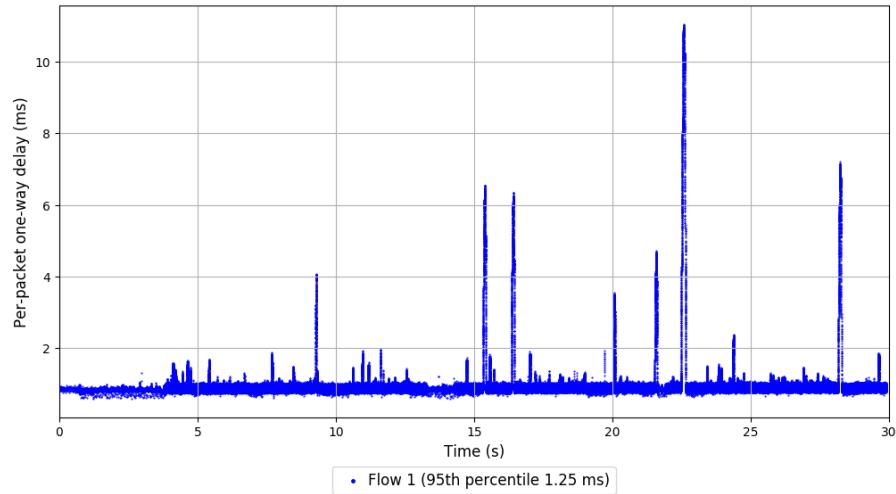
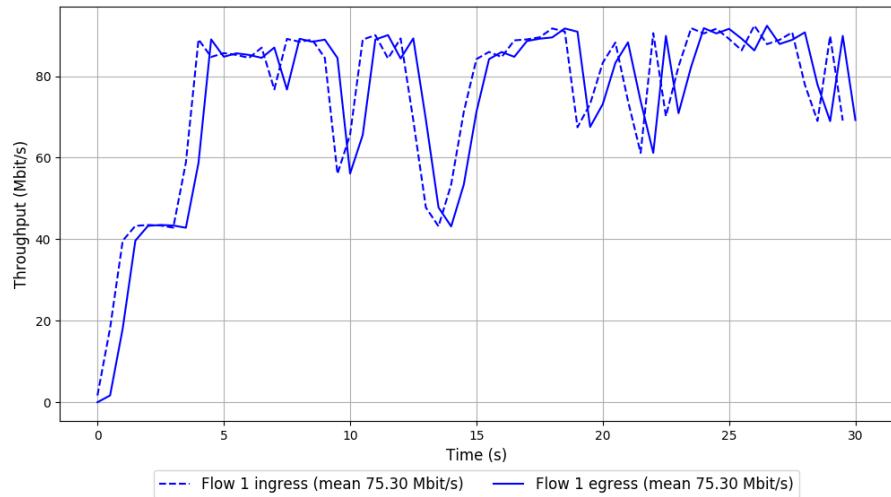


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:20:40
End at: 2018-05-21 22:21:10
Local clock offset: -3.665 ms
Remote clock offset: -1.833 ms

# Below is generated by plot.py at 2018-05-22 00:59:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

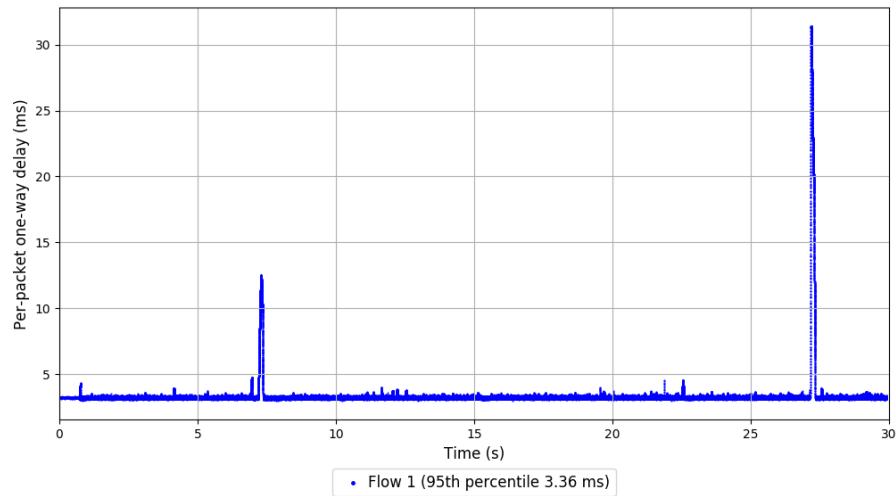
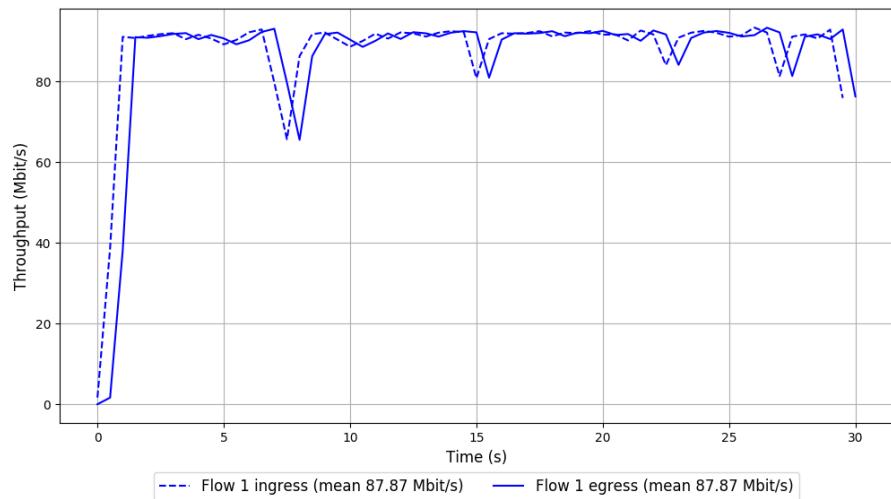


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:38:24
End at: 2018-05-21 22:38:54
Local clock offset: -5.286 ms
Remote clock offset: -1.749 ms

# Below is generated by plot.py at 2018-05-22 00:59:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 3.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 3.360 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

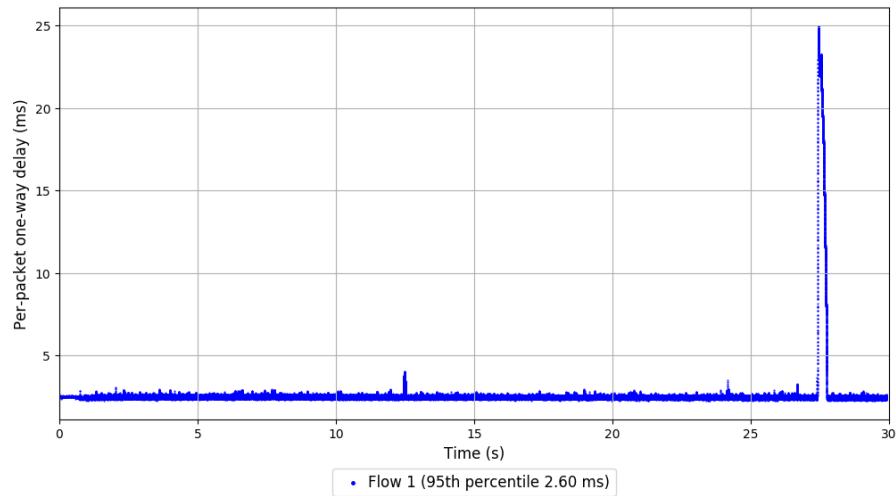
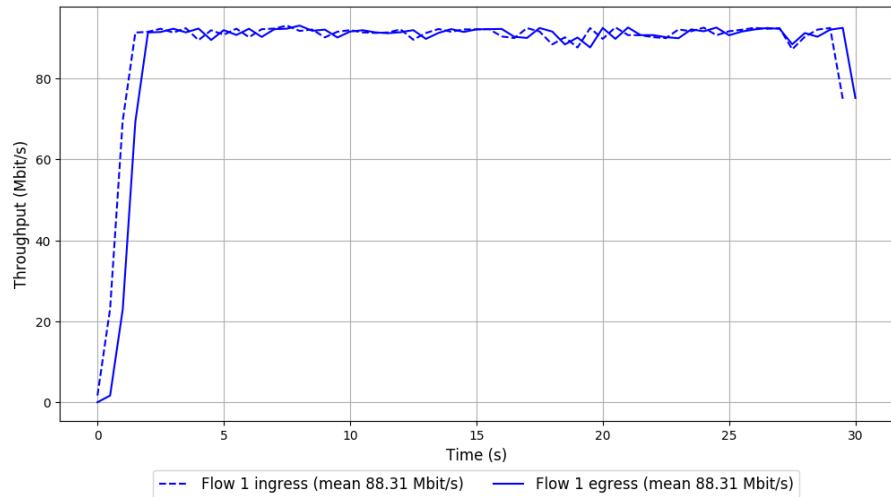


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:56:09
End at: 2018-05-21 22:56:39
Local clock offset: -4.097 ms
Remote clock offset: -1.923 ms

# Below is generated by plot.py at 2018-05-22 00:59:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 2.605 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 2.605 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Vivace — Data Link

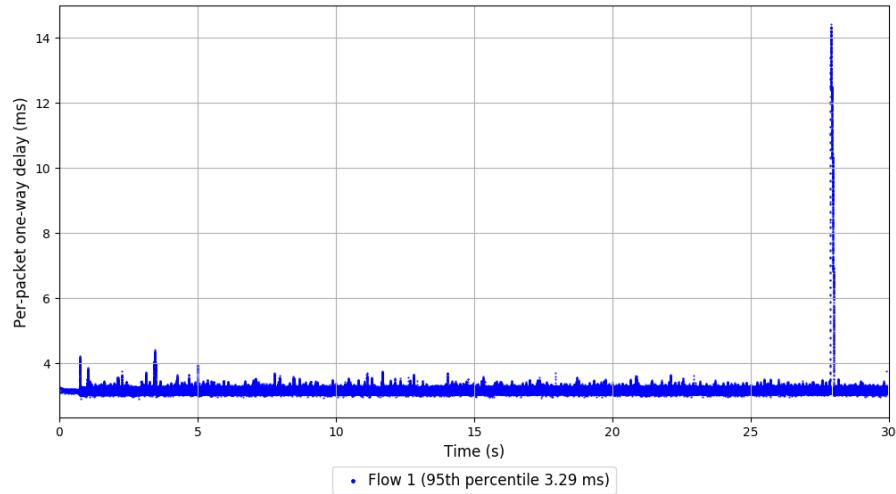
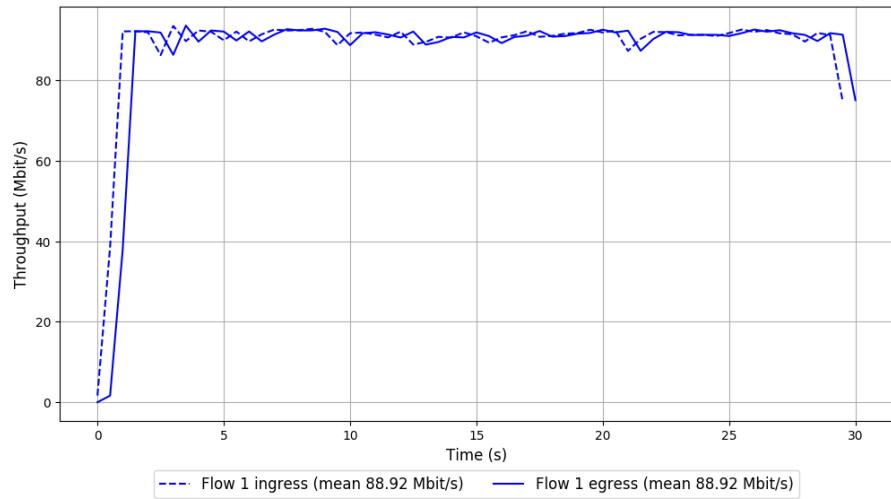


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:13:54
End at: 2018-05-21 23:14:24
Local clock offset: -5.829 ms
Remote clock offset: -2.119 ms

# Below is generated by plot.py at 2018-05-22 00:59:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 3.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 3.286 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

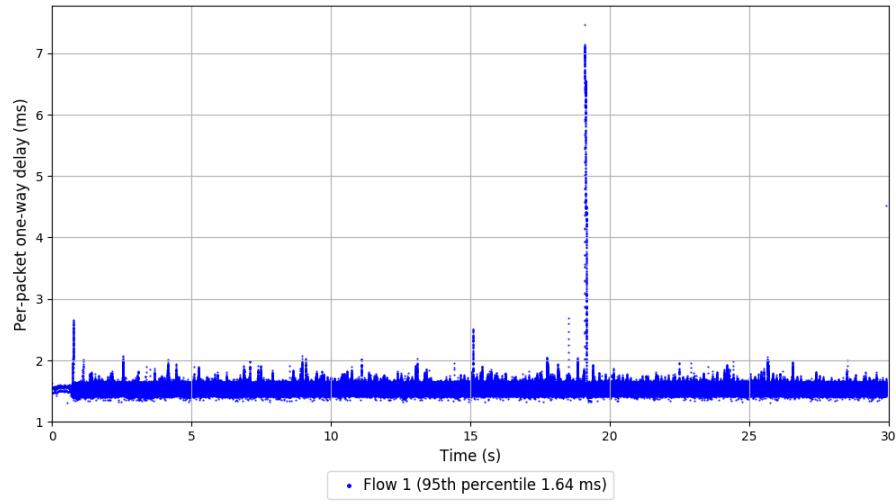
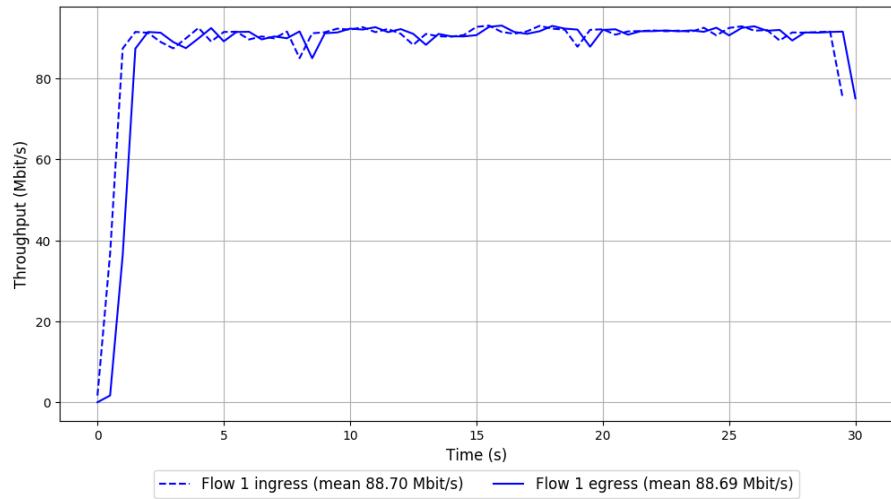


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:31:44
End at: 2018-05-21 23:32:14
Local clock offset: -4.22 ms
Remote clock offset: -2.332 ms

# Below is generated by plot.py at 2018-05-22 00:59:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 1.642 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 1.642 ms
Loss rate: 0.01%
```

Run 7: Report of PCC-Vivace — Data Link

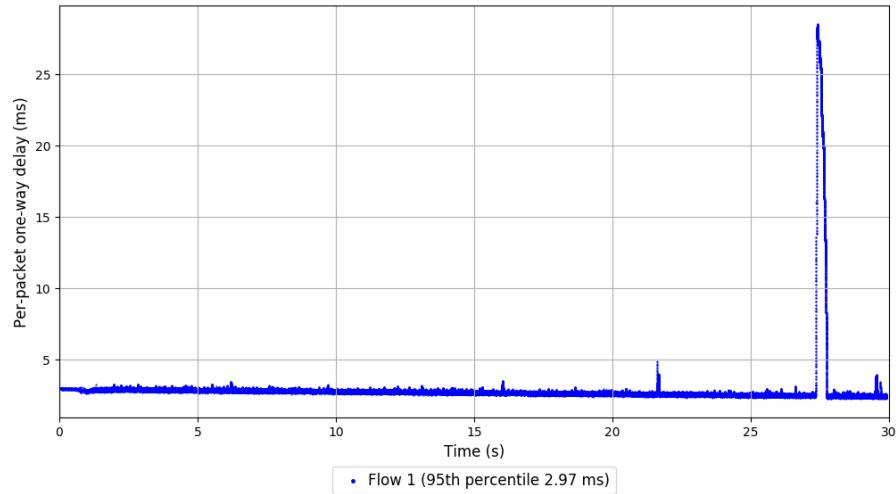
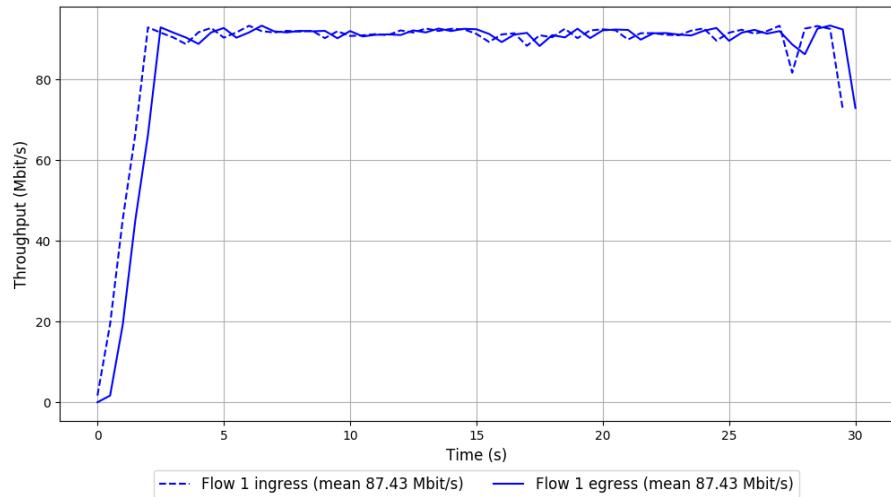


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:49:30
End at: 2018-05-21 23:50:00
Local clock offset: -5.711 ms
Remote clock offset: 8.164 ms

# Below is generated by plot.py at 2018-05-22 00:59:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 2.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 2.973 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

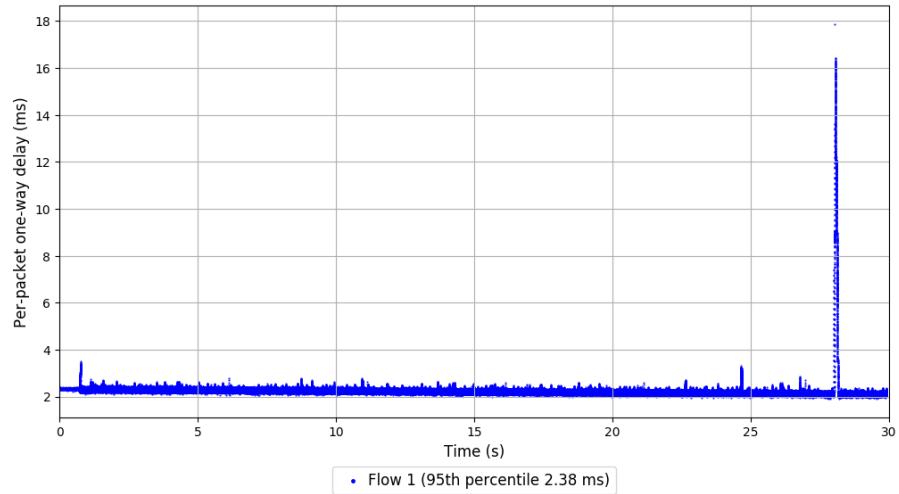
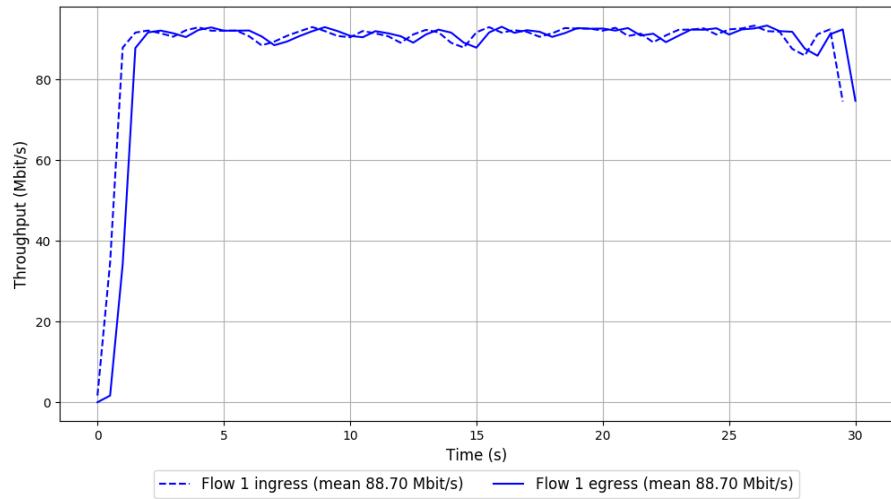


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-22 00:07:15
End at: 2018-05-22 00:07:45
Local clock offset: -5.512 ms
Remote clock offset: 19.517 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 2.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 2.375 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

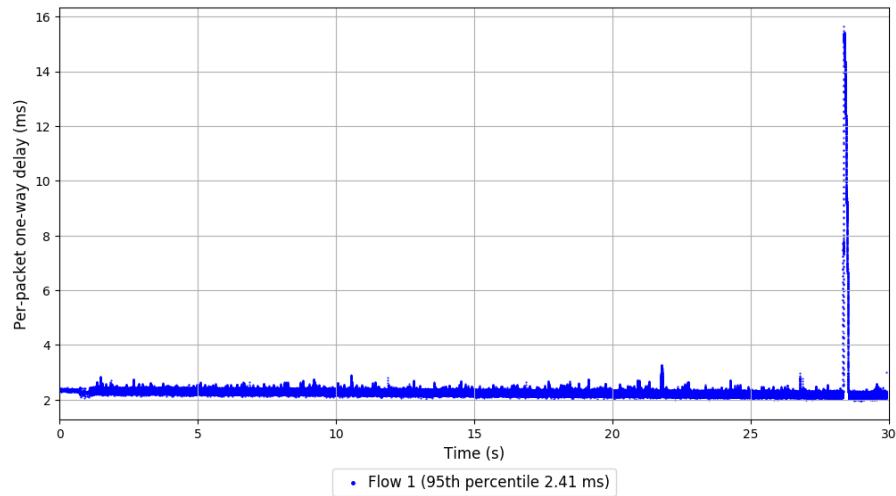
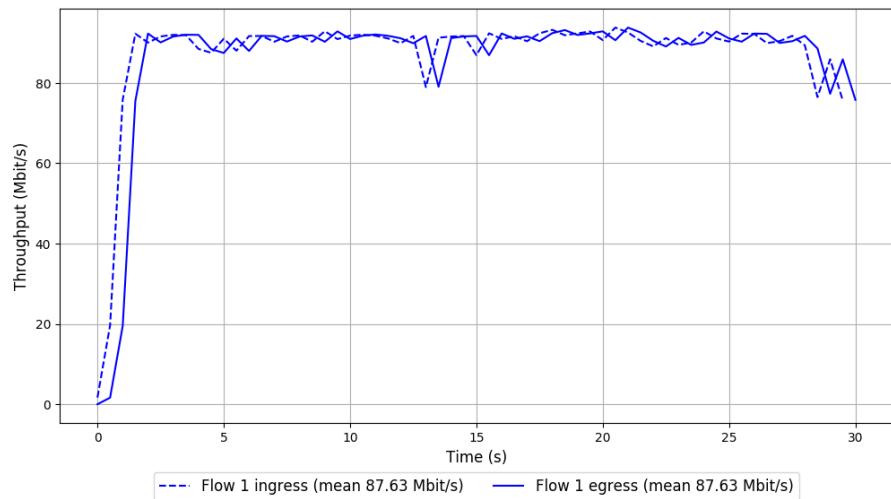


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-22 00:25:00
End at: 2018-05-22 00:25:30
Local clock offset: -5.818 ms
Remote clock offset: 25.724 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link

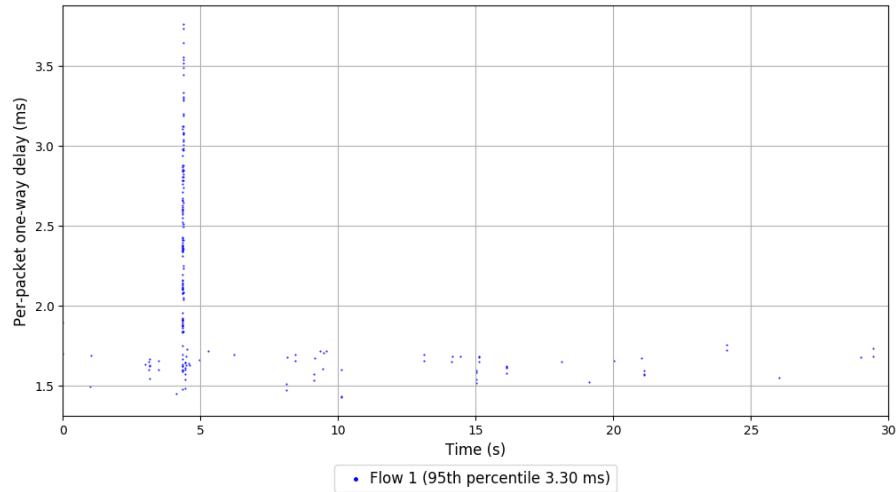
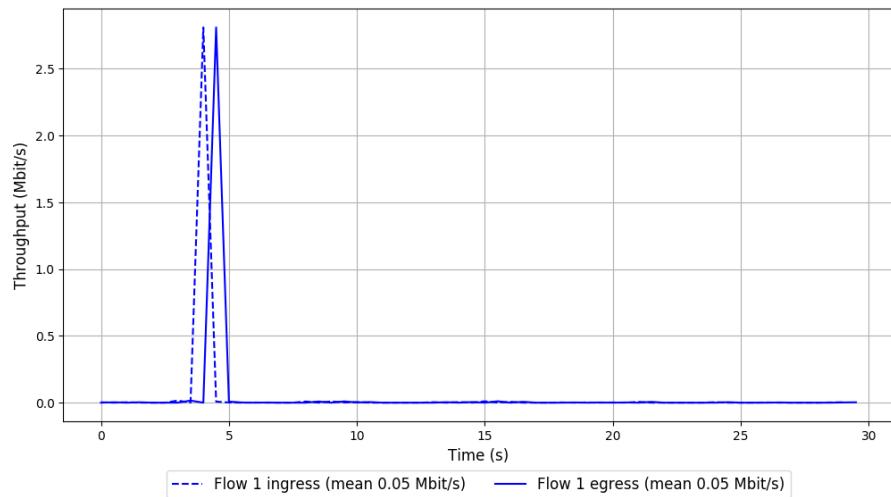


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-21 21:40:48
End at: 2018-05-21 21:41:18
Local clock offset: -2.234 ms
Remote clock offset: -1.856 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.296 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

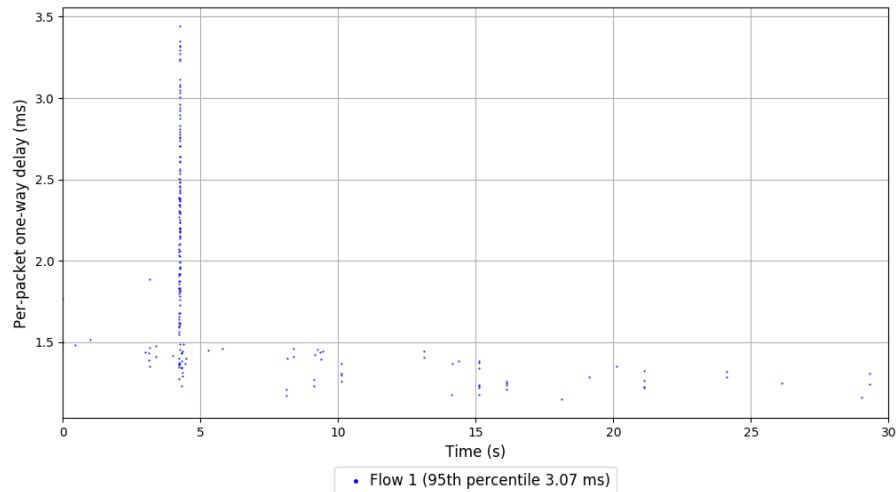
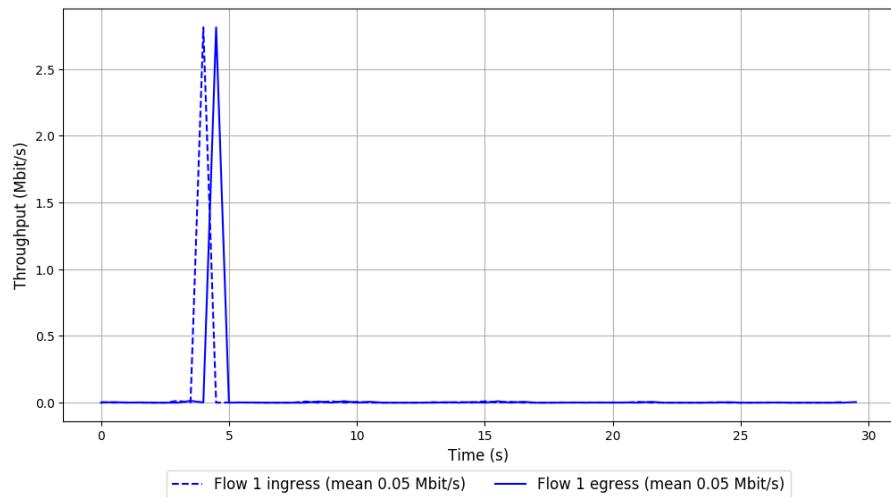


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-21 21:58:33
End at: 2018-05-21 21:59:03
Local clock offset: -0.846 ms
Remote clock offset: -2.063 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.069 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

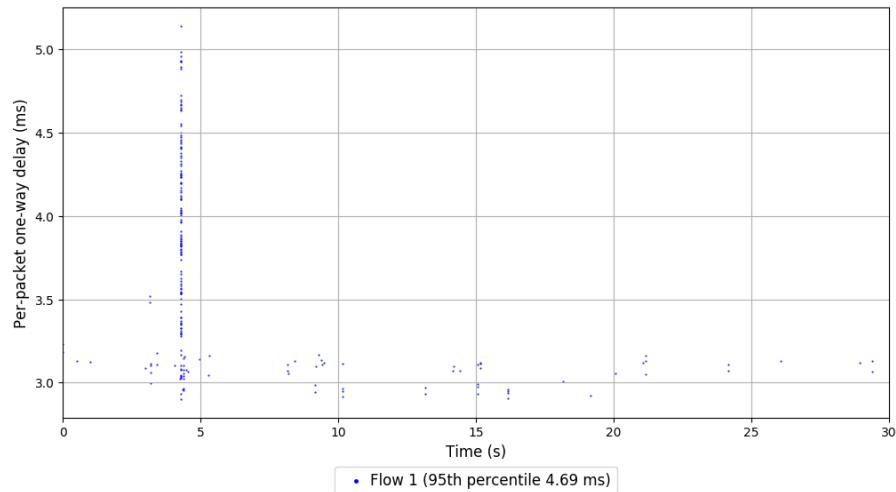
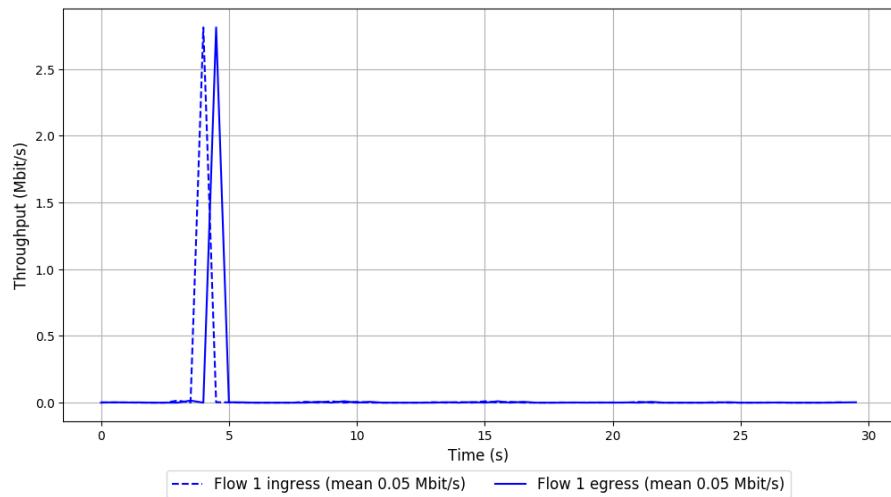


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-21 22:16:18
End at: 2018-05-21 22:16:48
Local clock offset: -4.605 ms
Remote clock offset: -1.824 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.689 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

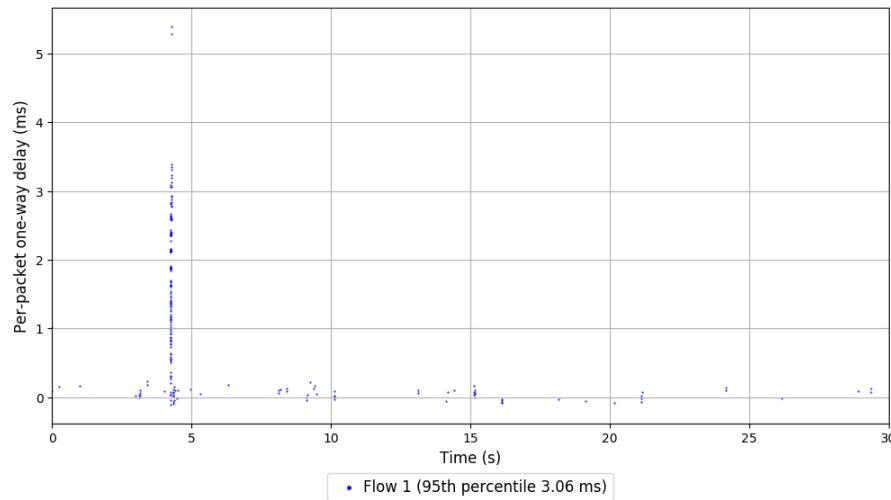
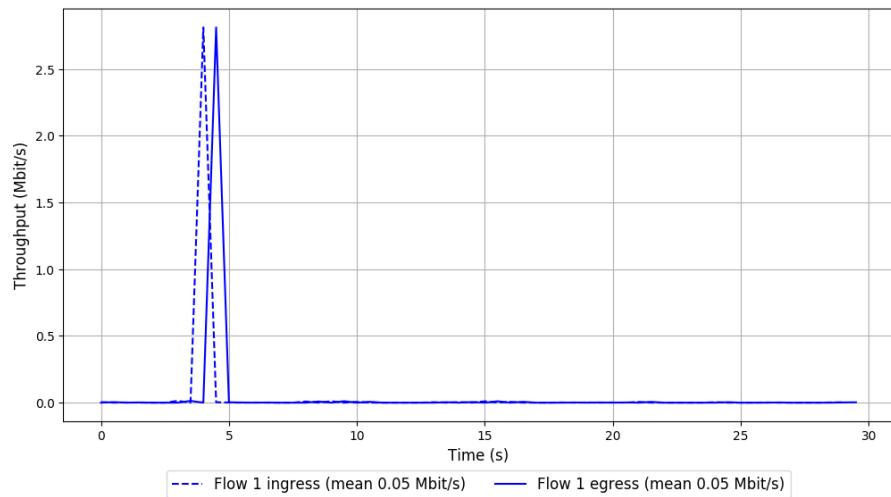


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-21 22:34:03
End at: 2018-05-21 22:34:33
Local clock offset: -3.528 ms
Remote clock offset: -1.673 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.055 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

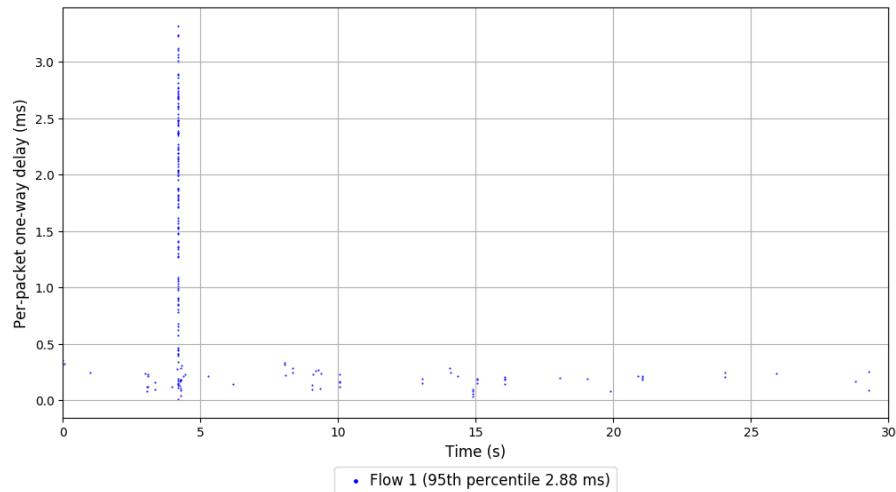
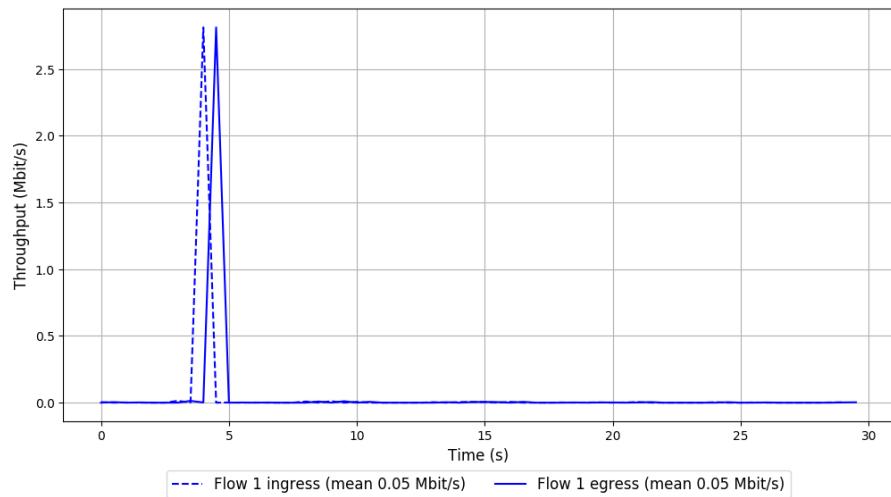


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-21 22:51:48
End at: 2018-05-21 22:52:18
Local clock offset: -3.462 ms
Remote clock offset: -1.874 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.884 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

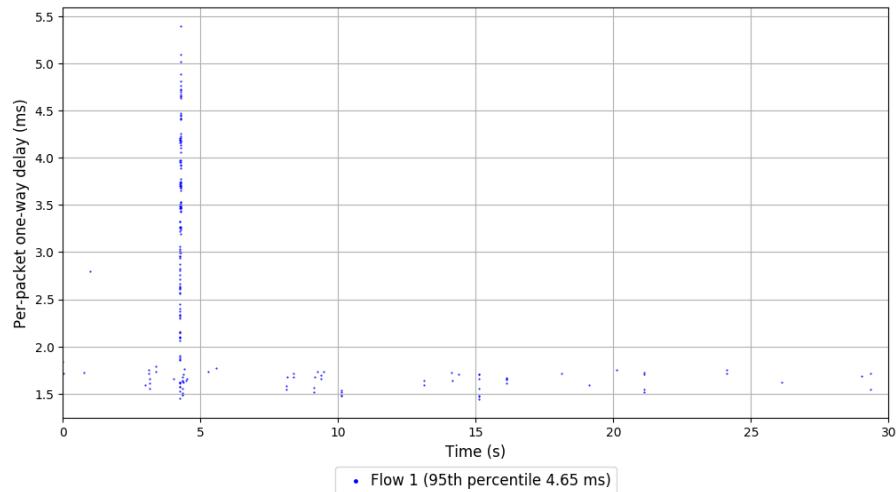
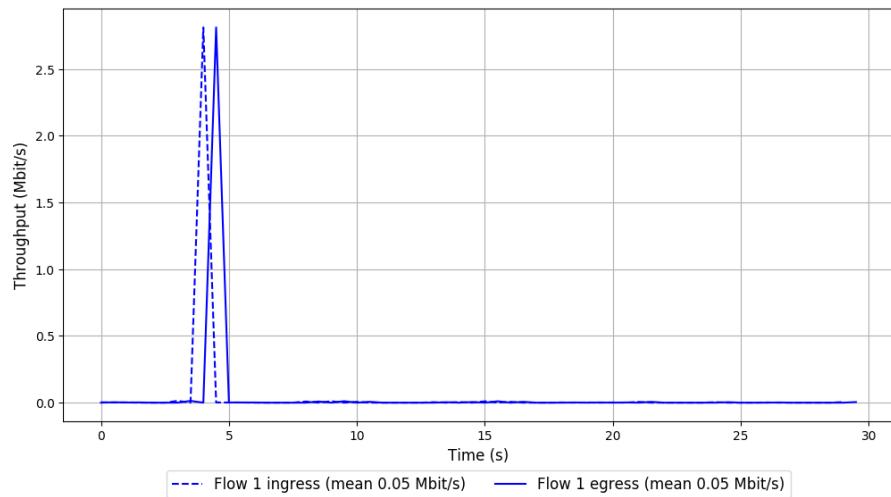


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-21 23:09:33
End at: 2018-05-21 23:10:03
Local clock offset: -5.744 ms
Remote clock offset: -2.072 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.649 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

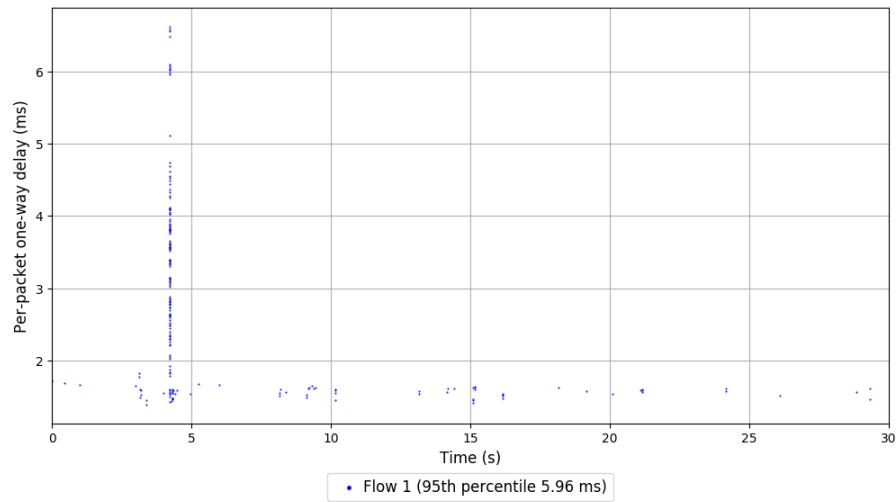
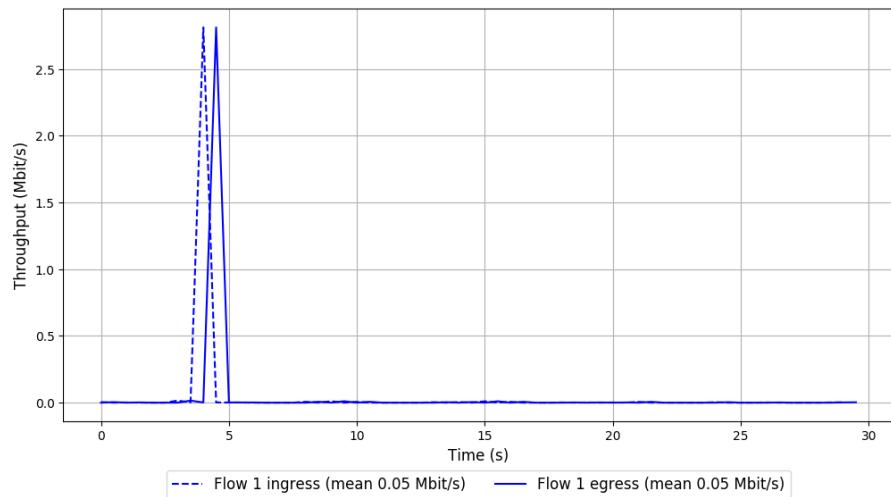


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-21 23:27:18
End at: 2018-05-21 23:27:48
Local clock offset: -5.622 ms
Remote clock offset: -2.265 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.964 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

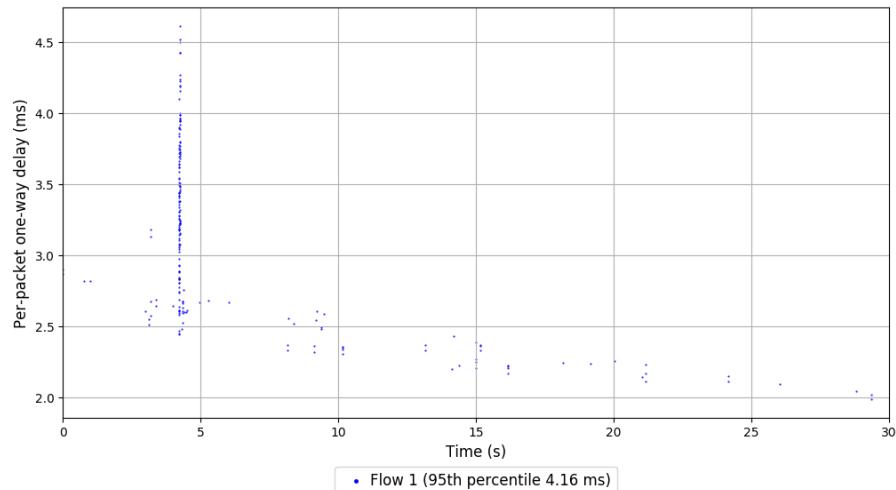
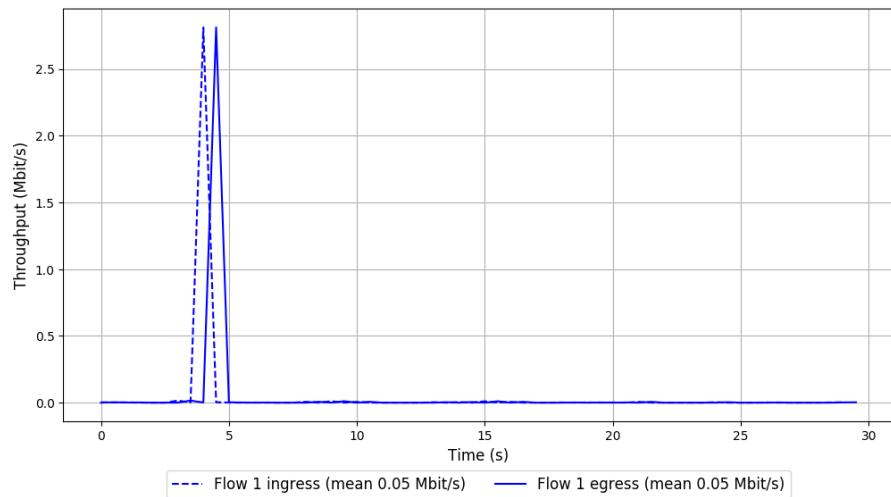


```
Run 8: Statistics of WebRTC media

Start at: 2018-05-21 23:45:08
End at: 2018-05-21 23:45:38
Local clock offset: -5.777 ms
Remote clock offset: 2.236 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.155 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

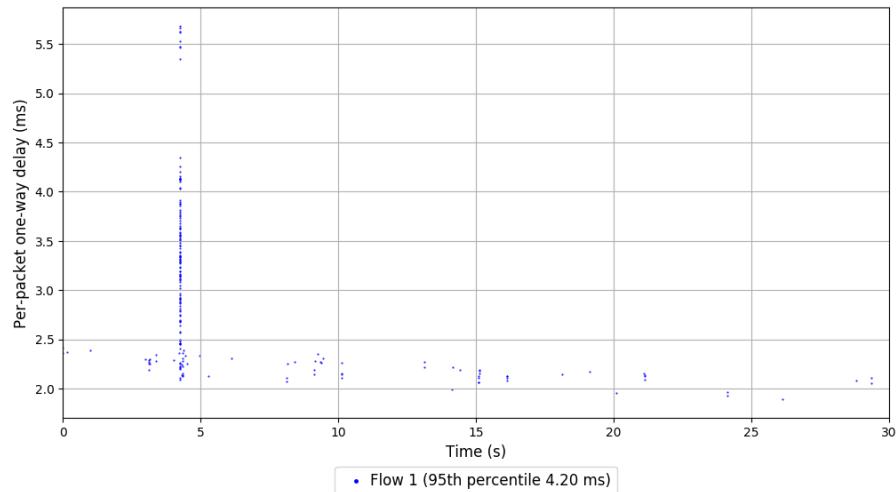
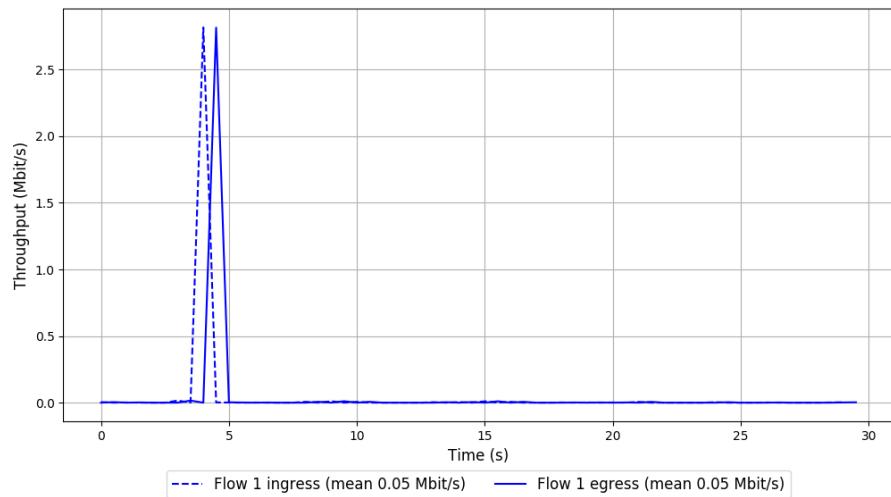


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-22 00:02:53
End at: 2018-05-22 00:03:23
Local clock offset: -5.337 ms
Remote clock offset: 17.605 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.204 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-22 00:20:38
End at: 2018-05-22 00:21:08
Local clock offset: -6.507 ms
Remote clock offset: 24.311 ms

# Below is generated by plot.py at 2018-05-22 00:59:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.561 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

