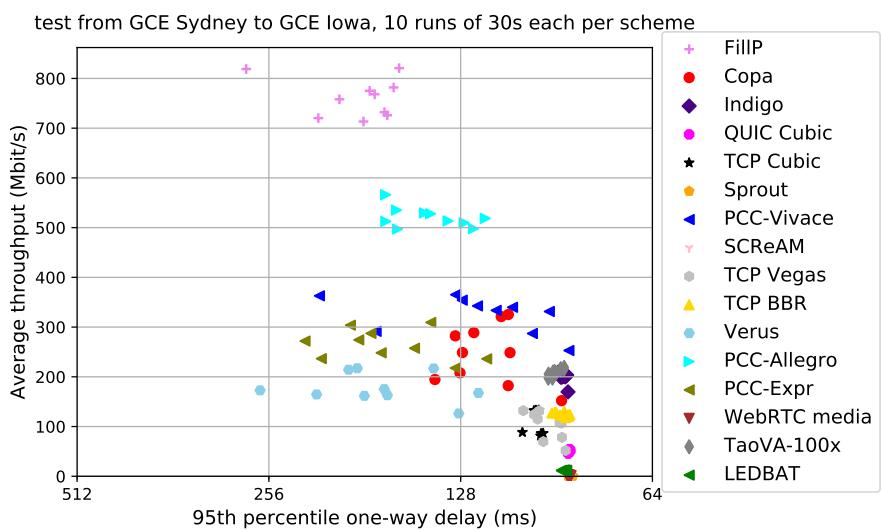
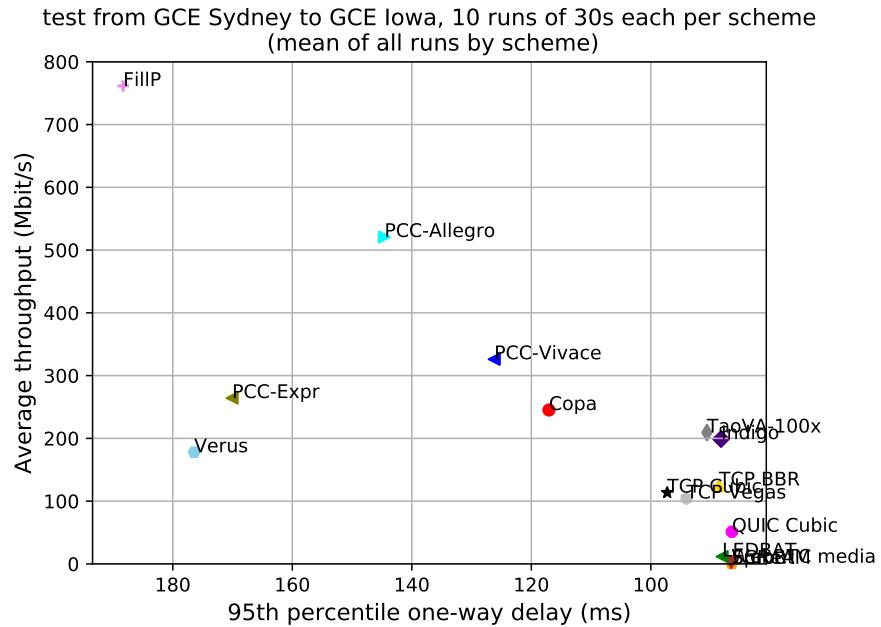


## Pantheon Report

Generated at 2018-05-30 12:11:37 (UTC).  
Data path: GCE Sydney Ethernet (*local*) → GCE Iowa 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 `time.google.com` and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: master @ 227fdf9a3757f17b88537ccecd5743a33037a3d2  
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  
  M src/ScreamClient  
  M src/ScreamServer  
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f  
  M src/examples/cellsim.cc  
  M src/examples/sproutbt2.cc  
  M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
  M src/verus.hpp  
  M tools/plot.py  
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4  
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



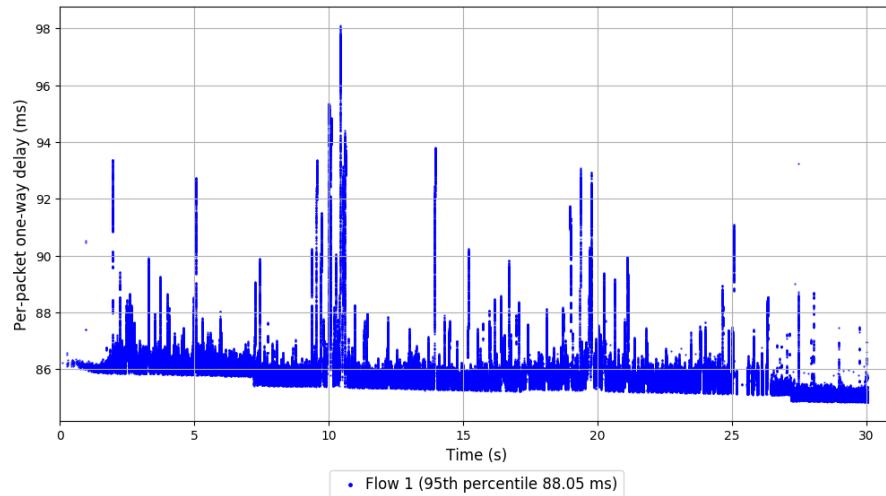
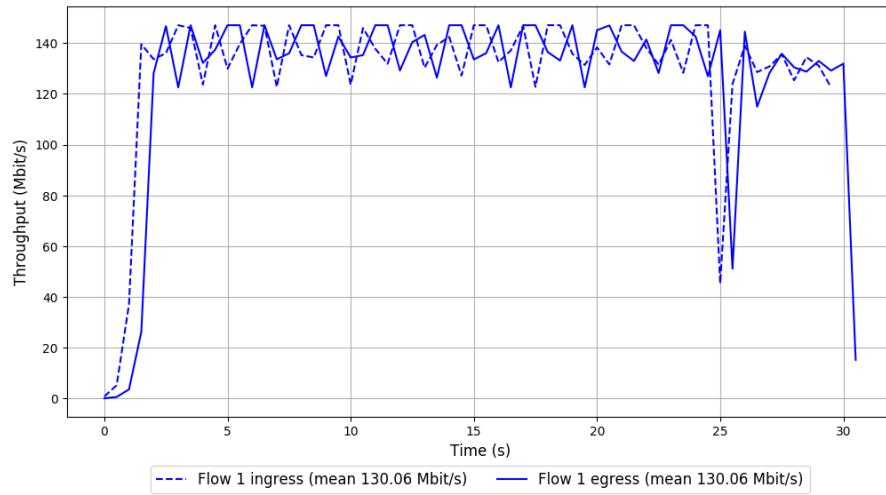
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	124.89	88.60	0.00
Copa	10	245.18	117.05	0.02
TCP Cubic	10	113.62	97.27	0.07
FillP	10	761.44	188.30	6.03
Indigo	10	198.87	88.26	0.00
LEDBAT	10	11.75	88.08	0.00
PCC-Allegro	10	520.81	144.58	0.83
PCC-Expr	10	264.24	170.07	1.54
QUIC Cubic	9	51.24	86.43	0.00
SCReAM	10	0.22	86.45	0.00
Sprout	10	0.25	86.46	0.00
TaoVA-100x	10	209.26	90.62	0.01
TCP Vegas	10	104.15	94.07	0.01
Verus	10	177.93	176.44	1.38
PCC-Vivace	10	326.08	126.21	0.14
WebRTC media	10	1.86	86.54	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-30 07:29:51
End at: 2018-05-30 07:30:21
Local clock offset: 19.427 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-05-30 10:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.06 Mbit/s
95th percentile per-packet one-way delay: 88.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.06 Mbit/s
95th percentile per-packet one-way delay: 88.045 ms
Loss rate: 0.00%
```

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

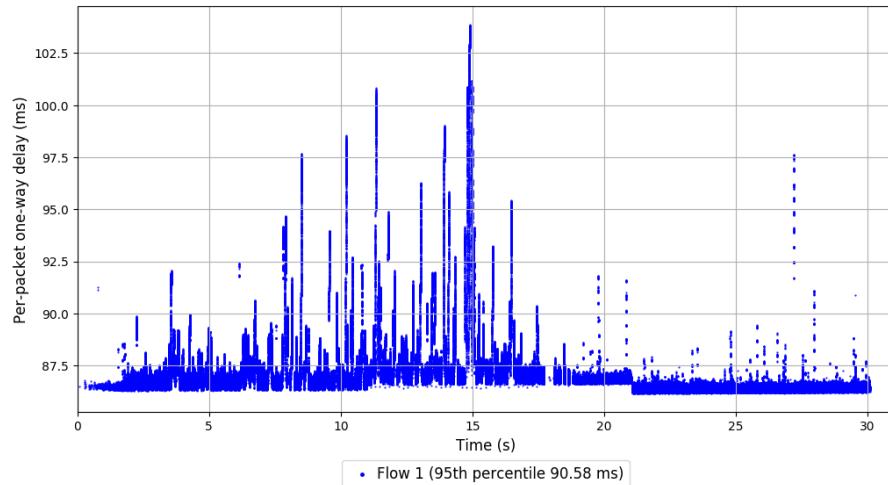
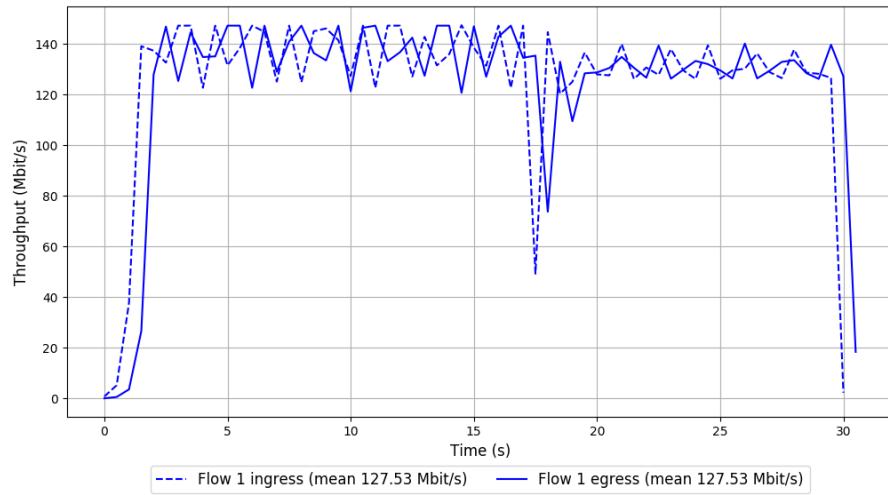


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-30 07:50:48
End at: 2018-05-30 07:51:18
Local clock offset: 15.256 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-05-30 10:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.53 Mbit/s
95th percentile per-packet one-way delay: 90.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.53 Mbit/s
95th percentile per-packet one-way delay: 90.575 ms
Loss rate: 0.00%
```

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

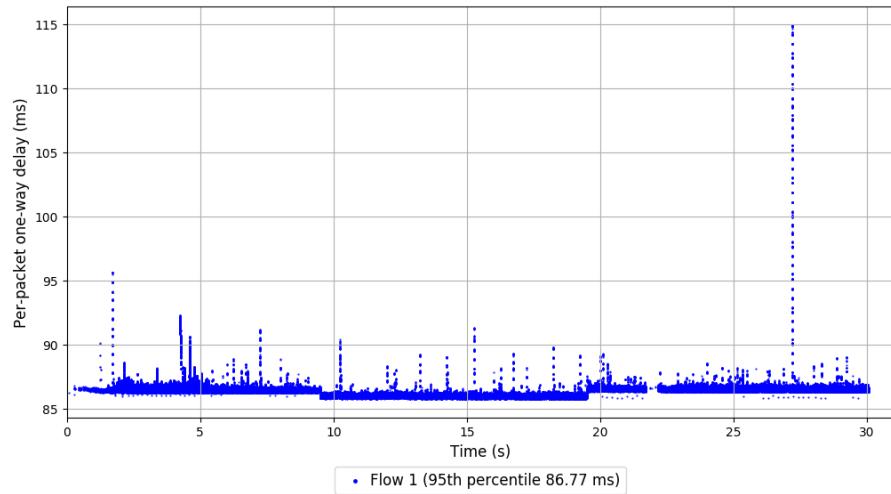
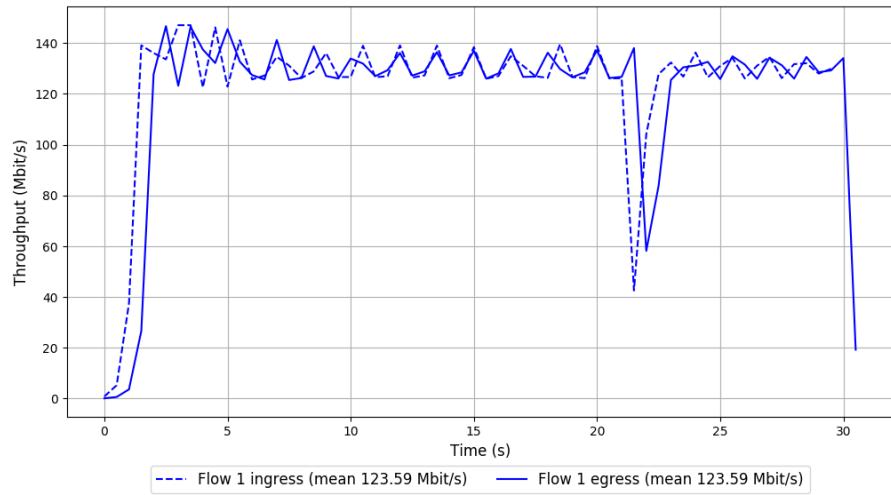


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-30 08:11:29
End at: 2018-05-30 08:11:59
Local clock offset: 6.779 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-05-30 10:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.59 Mbit/s
95th percentile per-packet one-way delay: 86.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.59 Mbit/s
95th percentile per-packet one-way delay: 86.772 ms
Loss rate: 0.00%
```

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

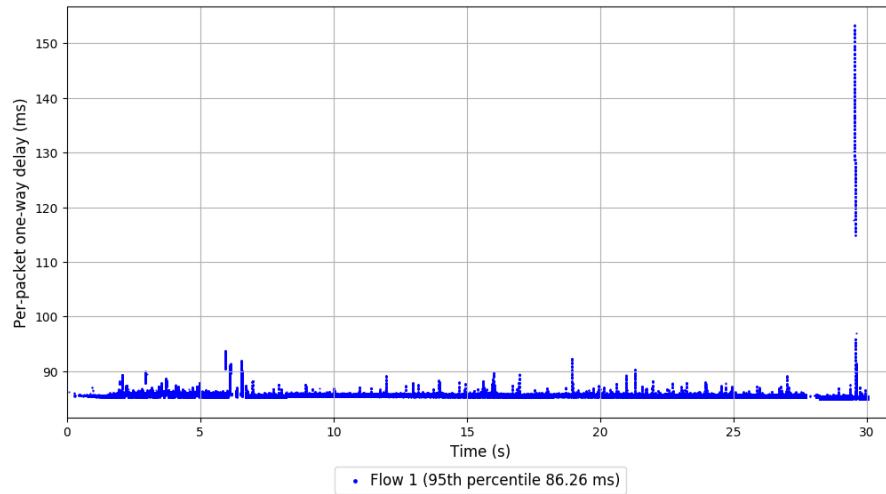
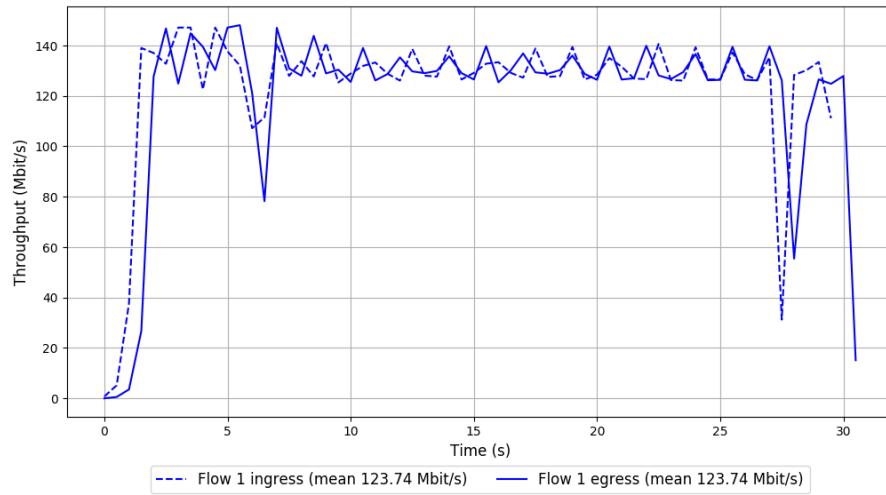


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-30 08:32:30
End at: 2018-05-30 08:33:00
Local clock offset: 7.913 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-30 10:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.74 Mbit/s
95th percentile per-packet one-way delay: 86.261 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 123.74 Mbit/s
95th percentile per-packet one-way delay: 86.261 ms
Loss rate: 0.01%
```

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

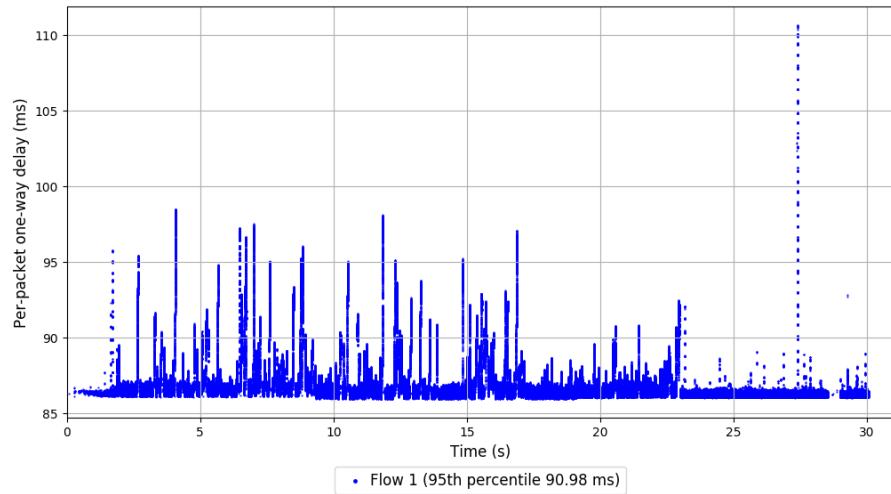
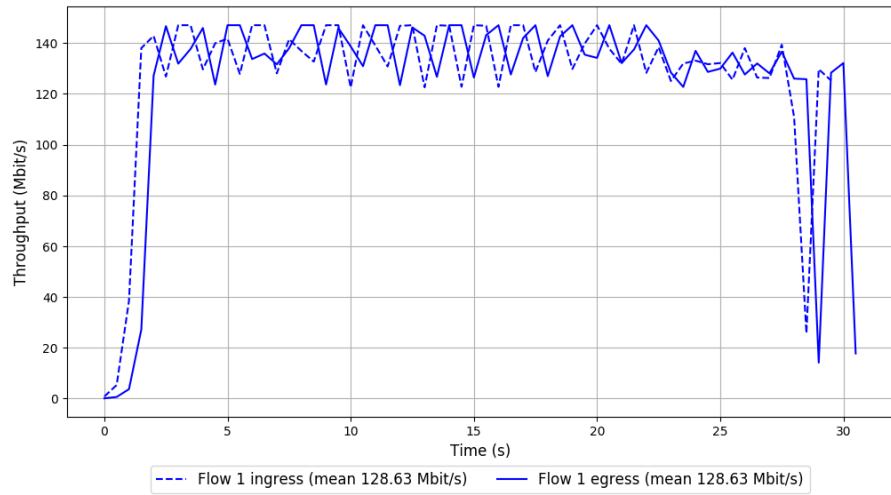


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-30 08:53:30
End at: 2018-05-30 08:54:00
Local clock offset: 1.703 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-05-30 10:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 128.63 Mbit/s
95th percentile per-packet one-way delay: 90.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.63 Mbit/s
95th percentile per-packet one-way delay: 90.980 ms
Loss rate: 0.00%
```

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

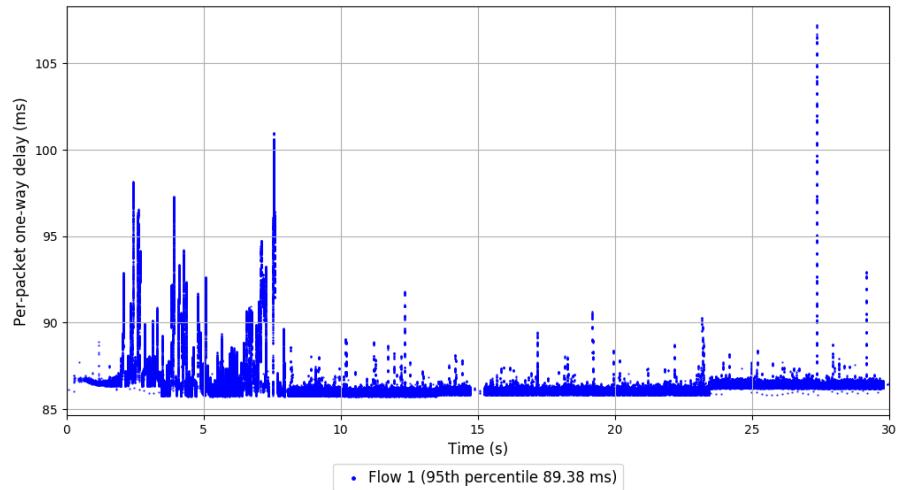
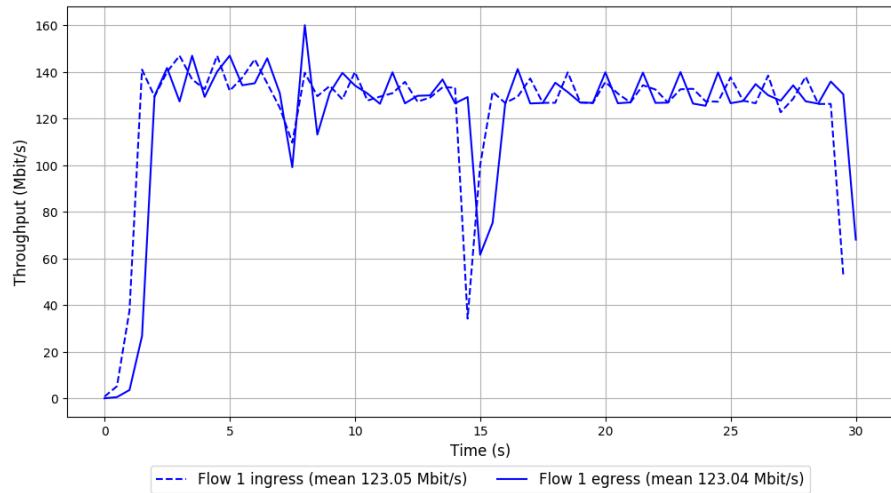


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-30 09:14:25
End at: 2018-05-30 09:14:55
Local clock offset: 1.038 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-05-30 10:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.04 Mbit/s
95th percentile per-packet one-way delay: 89.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.04 Mbit/s
95th percentile per-packet one-way delay: 89.381 ms
Loss rate: 0.00%
```

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

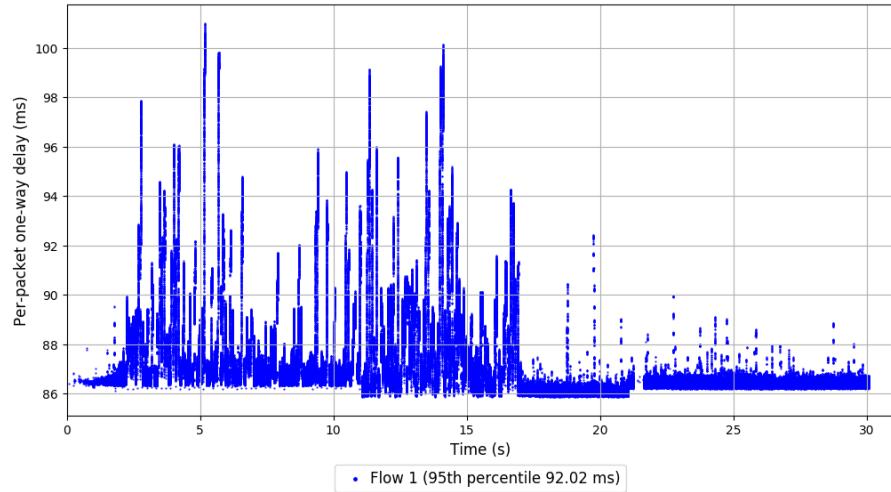
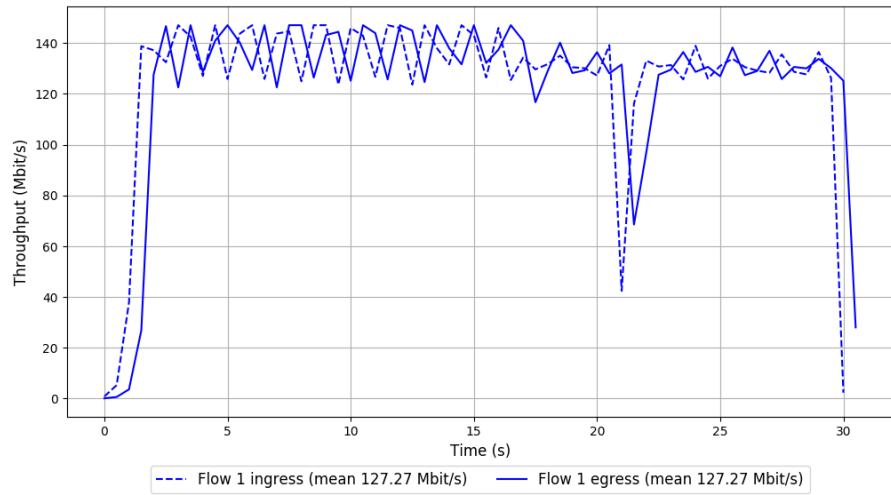


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-30 09:35:08
End at: 2018-05-30 09:35:38
Local clock offset: 0.841 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-05-30 10:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.27 Mbit/s
95th percentile per-packet one-way delay: 92.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.27 Mbit/s
95th percentile per-packet one-way delay: 92.021 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link

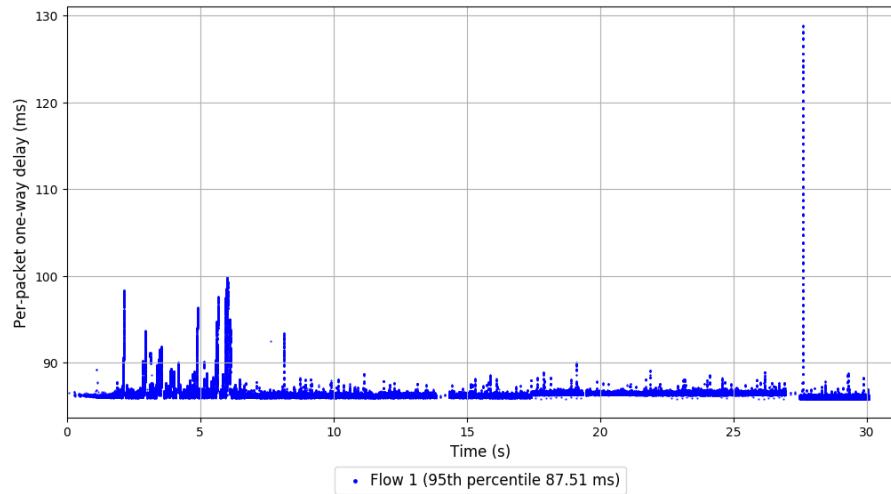
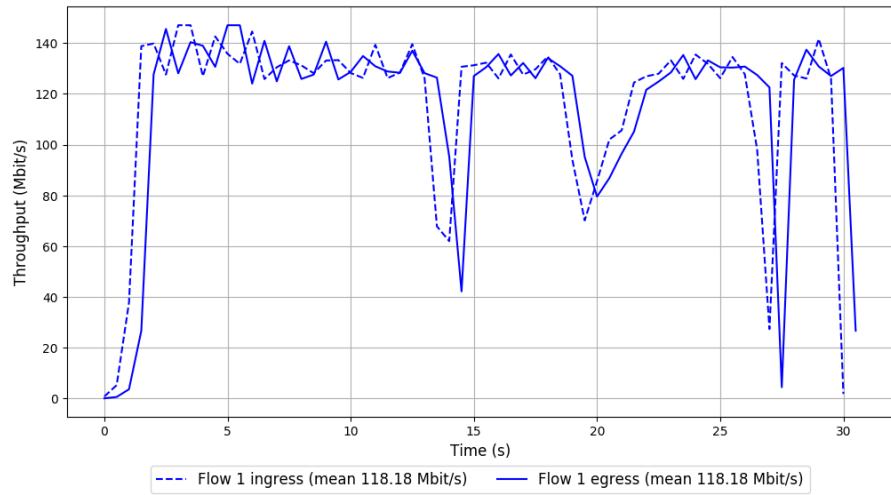


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-30 09:55:51
End at: 2018-05-30 09:56:21
Local clock offset: 0.524 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-30 10:57:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.18 Mbit/s
95th percentile per-packet one-way delay: 87.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.18 Mbit/s
95th percentile per-packet one-way delay: 87.514 ms
Loss rate: 0.00%
```

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

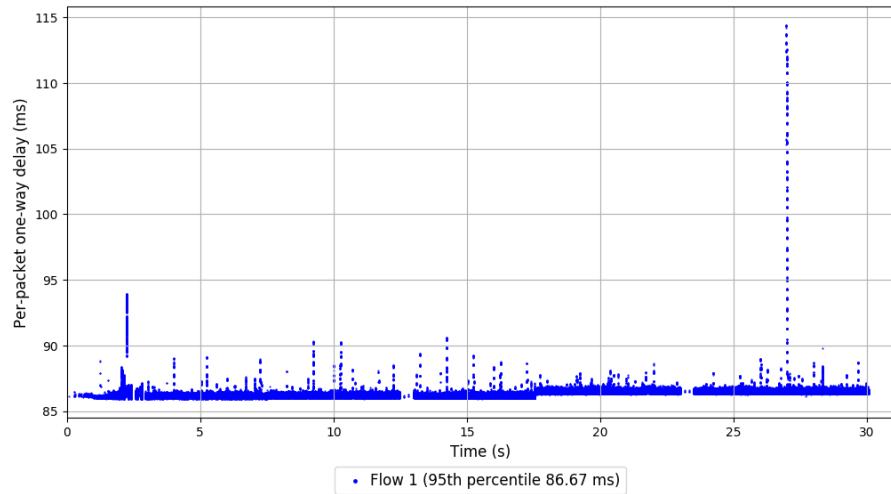
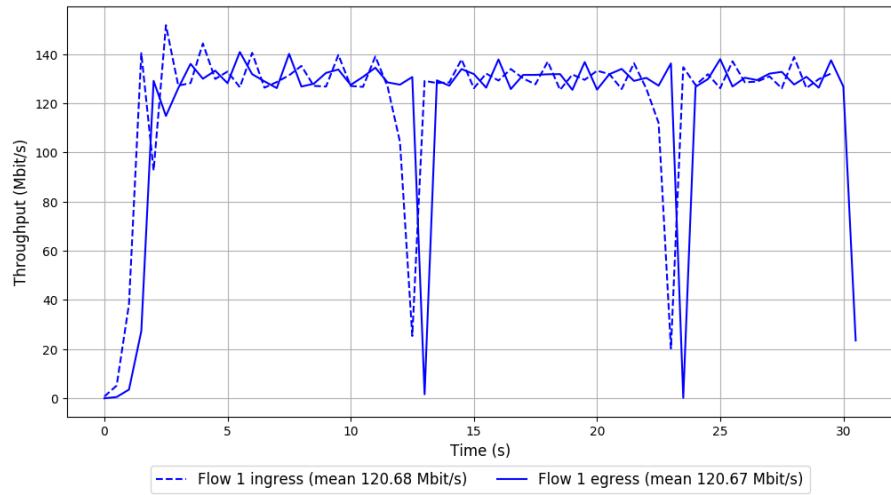


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-30 10:16:41
End at: 2018-05-30 10:17:11
Local clock offset: 0.52 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-30 10:58:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 86.675 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 86.675 ms
Loss rate: 0.01%
```

Run 9: Report of TCP BBR — Data Link

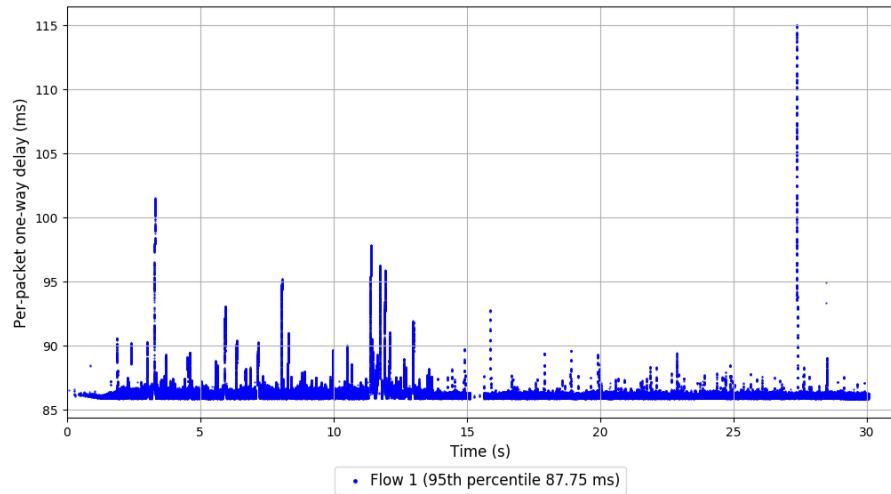
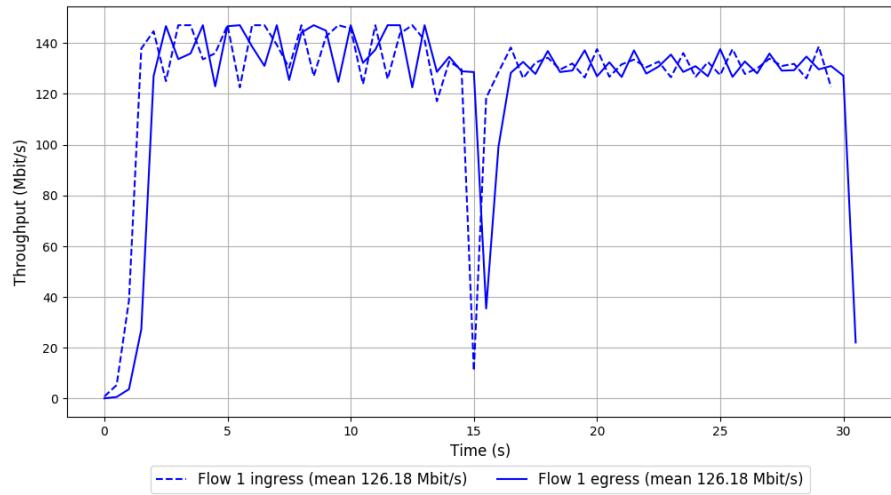


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-05-30 10:37:50
End at: 2018-05-30 10:38:20
Local clock offset: 0.764 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-05-30 10:58:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.18 Mbit/s
95th percentile per-packet one-way delay: 87.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.18 Mbit/s
95th percentile per-packet one-way delay: 87.748 ms
Loss rate: 0.00%
```

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

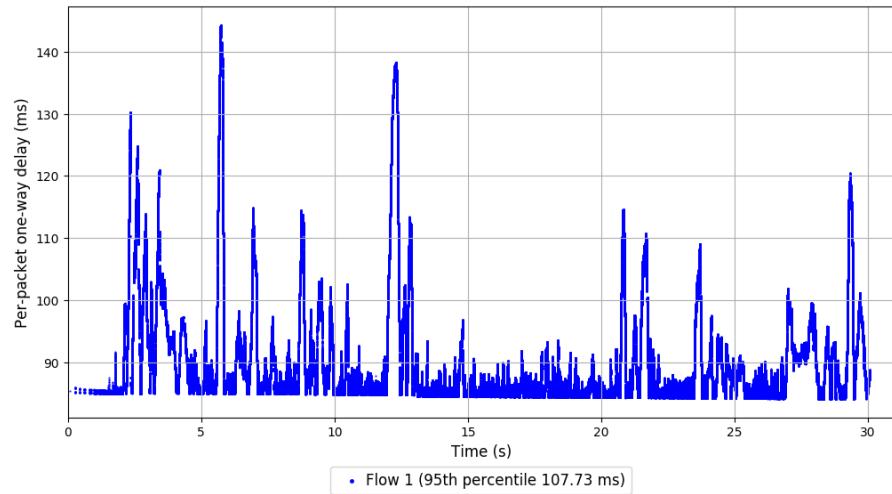
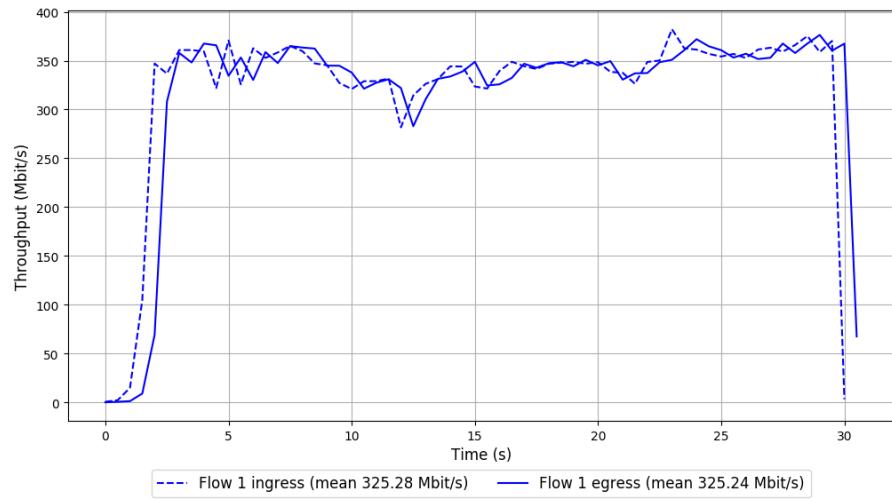


Run 1: Statistics of Copa

```
Start at: 2018-05-30 07:28:16
End at: 2018-05-30 07:28:46
Local clock offset: 22.372 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-05-30 11:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.24 Mbit/s
95th percentile per-packet one-way delay: 107.733 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 325.24 Mbit/s
95th percentile per-packet one-way delay: 107.733 ms
Loss rate: 0.01%
```

## Run 1: Report of Copa — Data Link

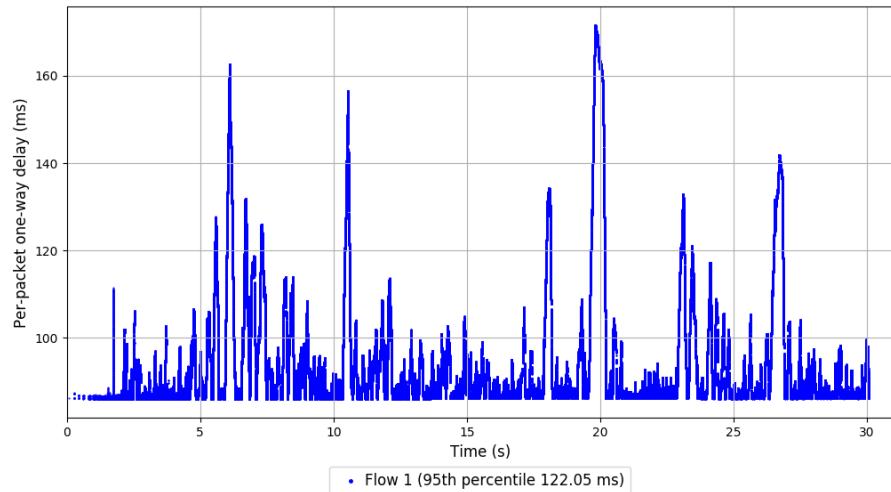
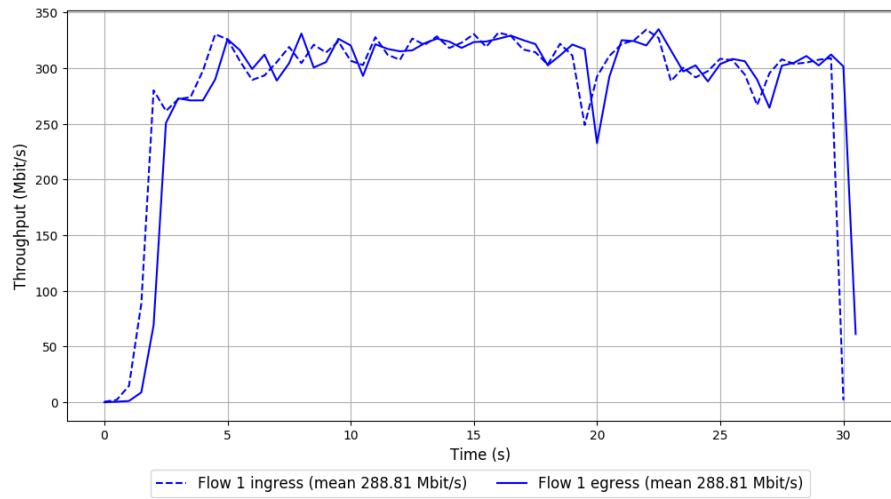


Run 2: Statistics of Copa

```
Start at: 2018-05-30 07:49:15
End at: 2018-05-30 07:49:45
Local clock offset: 14.852 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-30 11:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 288.81 Mbit/s
95th percentile per-packet one-way delay: 122.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 288.81 Mbit/s
95th percentile per-packet one-way delay: 122.045 ms
Loss rate: 0.00%
```

## Run 2: Report of Copa — Data Link

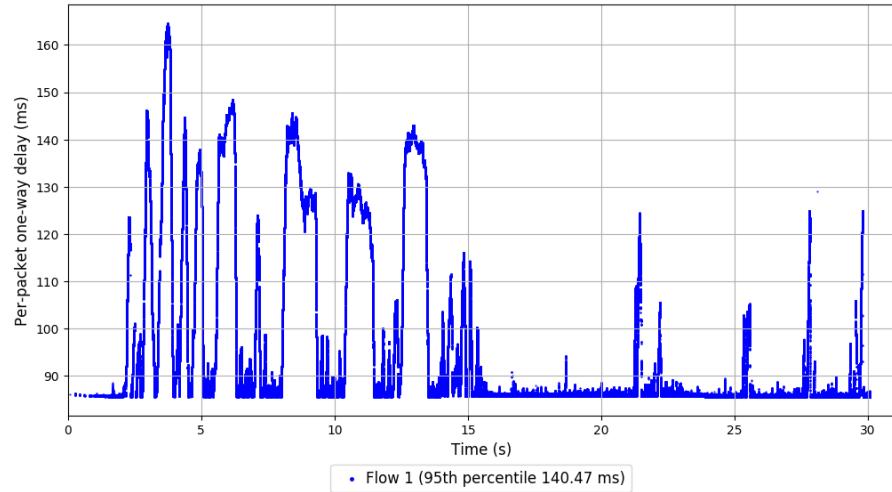
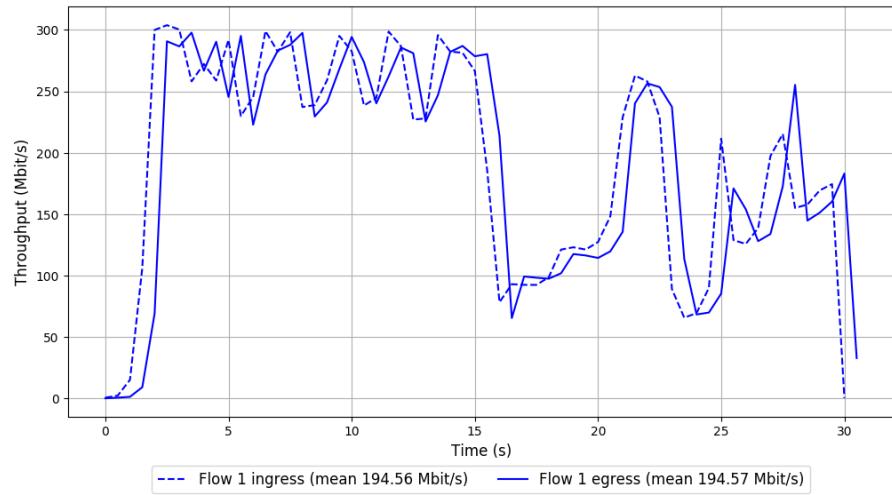


Run 3: Statistics of Copa

```
Start at: 2018-05-30 08:10:05
End at: 2018-05-30 08:10:35
Local clock offset: 7.206 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-05-30 11:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.57 Mbit/s
95th percentile per-packet one-way delay: 140.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.57 Mbit/s
95th percentile per-packet one-way delay: 140.467 ms
Loss rate: 0.00%
```

### Run 3: Report of Copa — Data Link

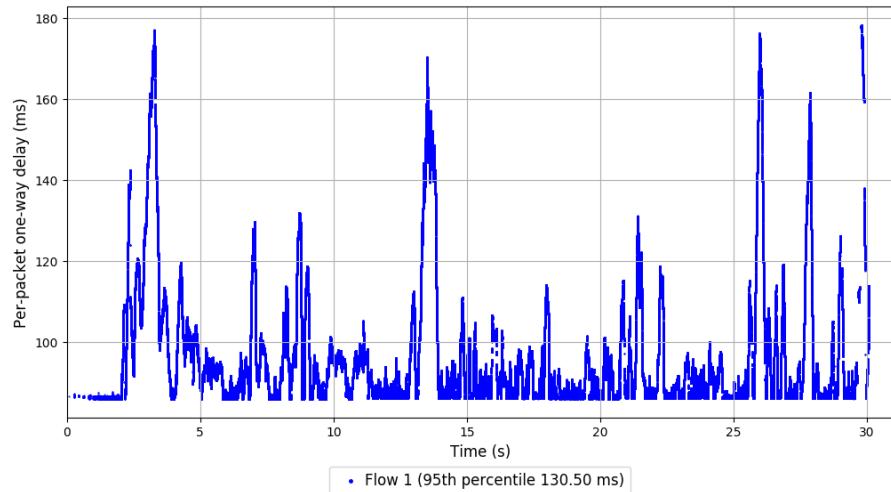
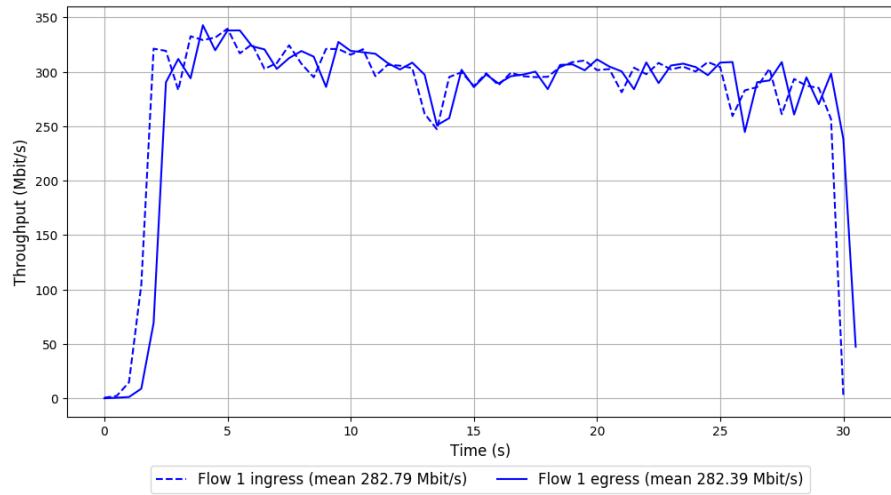


Run 4: Statistics of Copa

```
Start at: 2018-05-30 08:30:58
End at: 2018-05-30 08:31:28
Local clock offset: 8.404 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-05-30 11:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 282.39 Mbit/s
95th percentile per-packet one-way delay: 130.496 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 282.39 Mbit/s
95th percentile per-packet one-way delay: 130.496 ms
Loss rate: 0.14%
```

## Run 4: Report of Copa — Data Link

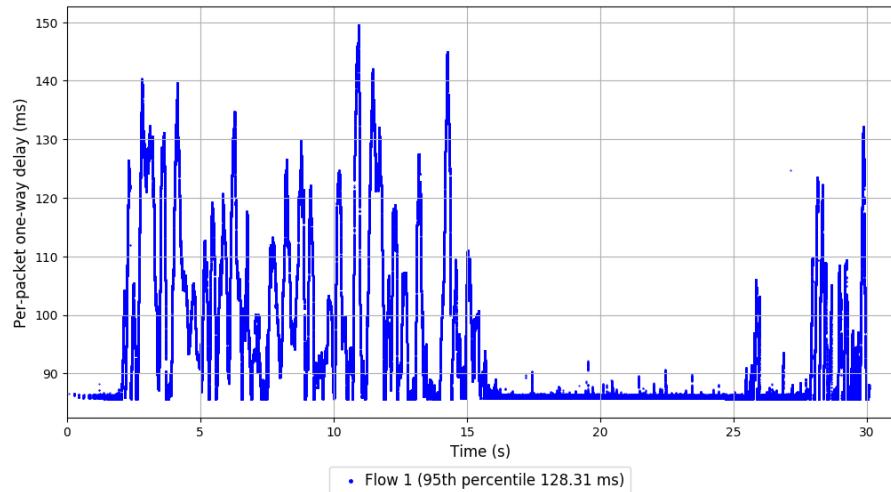
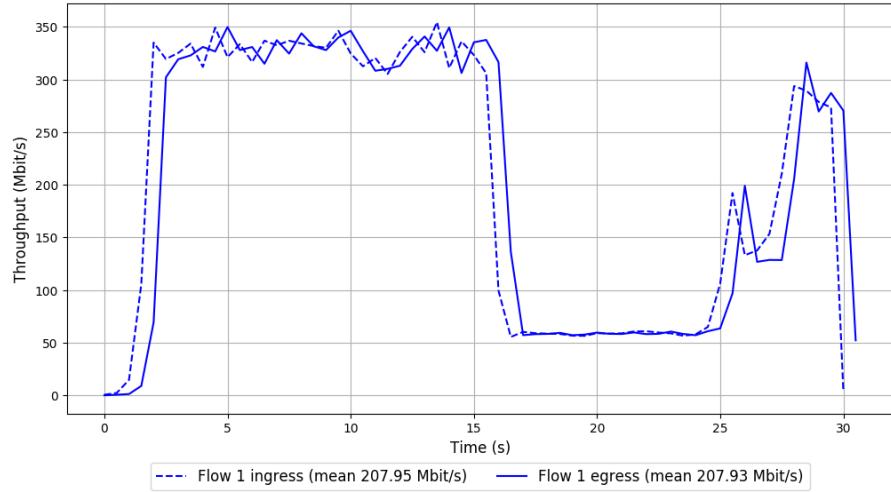


Run 5: Statistics of Copa

```
Start at: 2018-05-30 08:52:04
End at: 2018-05-30 08:52:34
Local clock offset: 2.022 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-30 11:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.93 Mbit/s
95th percentile per-packet one-way delay: 128.305 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 207.93 Mbit/s
95th percentile per-packet one-way delay: 128.305 ms
Loss rate: 0.01%
```

## Run 5: Report of Copa — Data Link

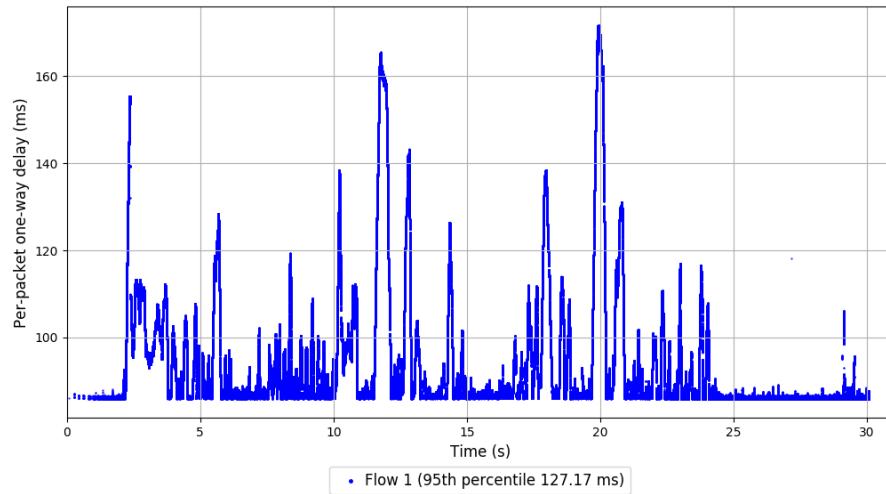
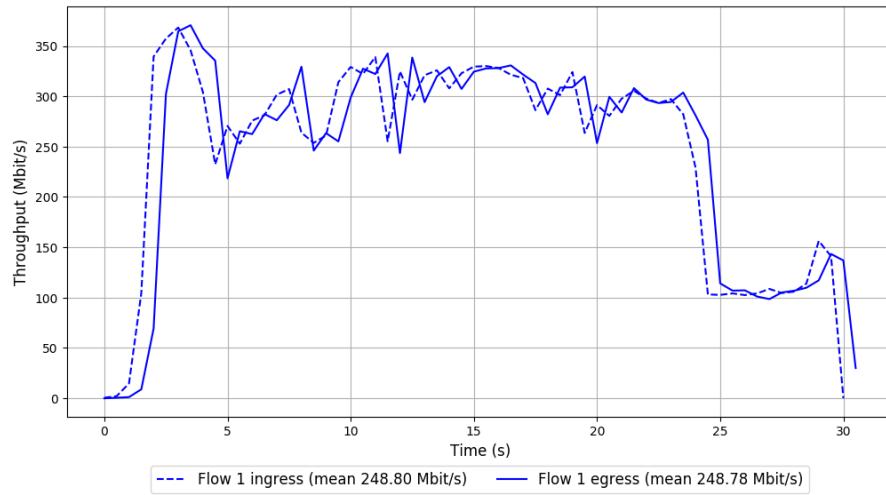


Run 6: Statistics of Copa

```
Start at: 2018-05-30 09:12:56
End at: 2018-05-30 09:13:26
Local clock offset: 1.028 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-05-30 11:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.78 Mbit/s
95th percentile per-packet one-way delay: 127.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.78 Mbit/s
95th percentile per-packet one-way delay: 127.169 ms
Loss rate: 0.00%
```

## Run 6: Report of Copa — Data Link

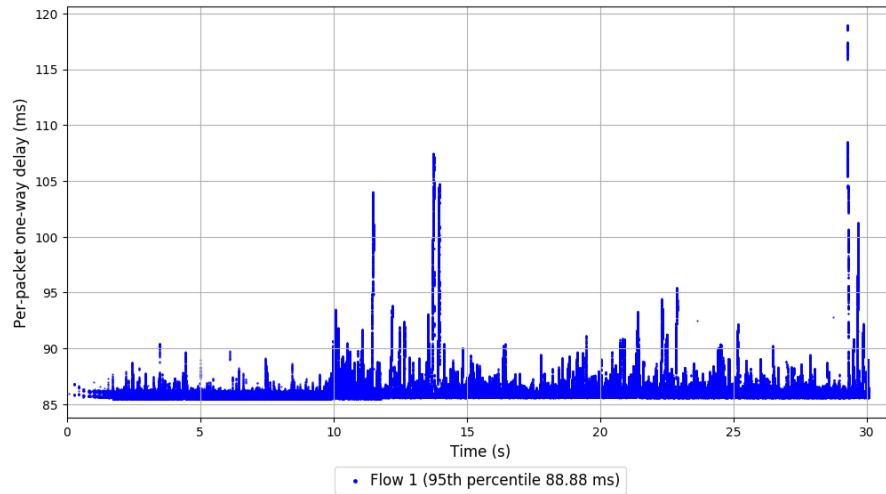
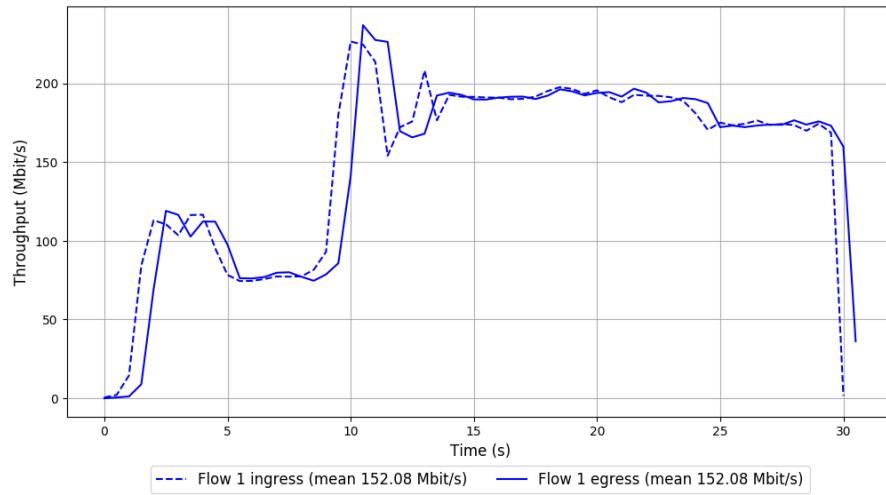


Run 7: Statistics of Copa

```
Start at: 2018-05-30 09:33:47
End at: 2018-05-30 09:34:17
Local clock offset: 1.068 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-05-30 11:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.08 Mbit/s
95th percentile per-packet one-way delay: 88.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.08 Mbit/s
95th percentile per-packet one-way delay: 88.876 ms
Loss rate: 0.00%
```

## Run 7: Report of Copa — Data Link

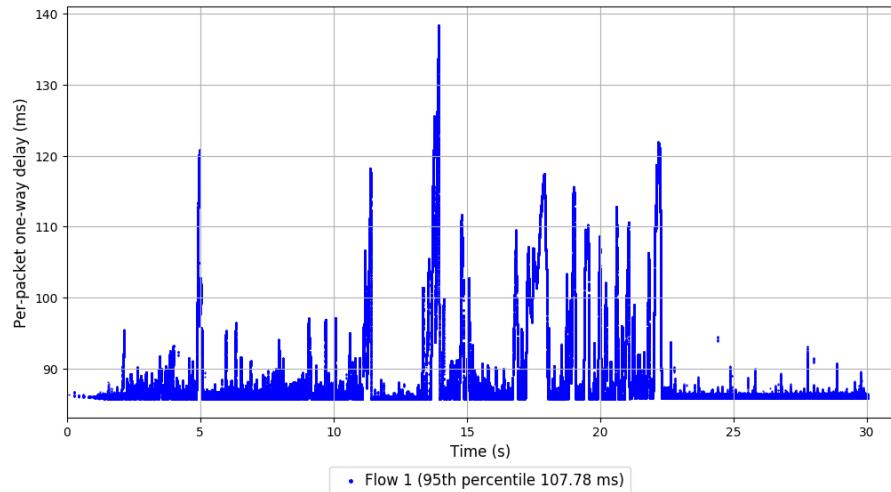
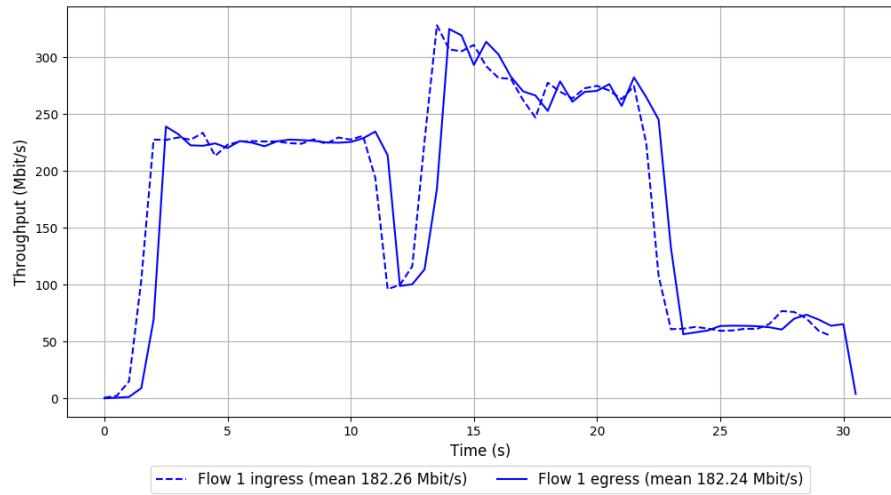


Run 8: Statistics of Copa

```
Start at: 2018-05-30 09:54:28
End at: 2018-05-30 09:54:58
Local clock offset: 0.451 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-30 11:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.24 Mbit/s
95th percentile per-packet one-way delay: 107.779 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 182.24 Mbit/s
95th percentile per-packet one-way delay: 107.779 ms
Loss rate: 0.01%
```

## Run 8: Report of Copa — Data Link

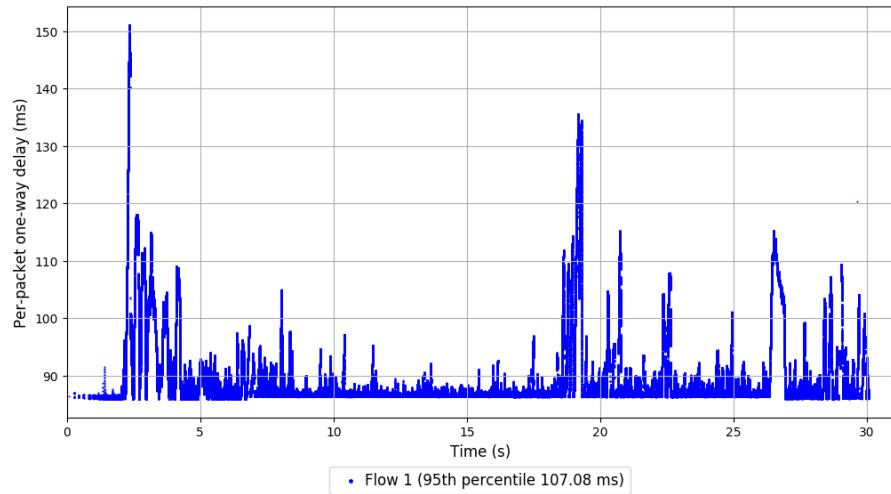
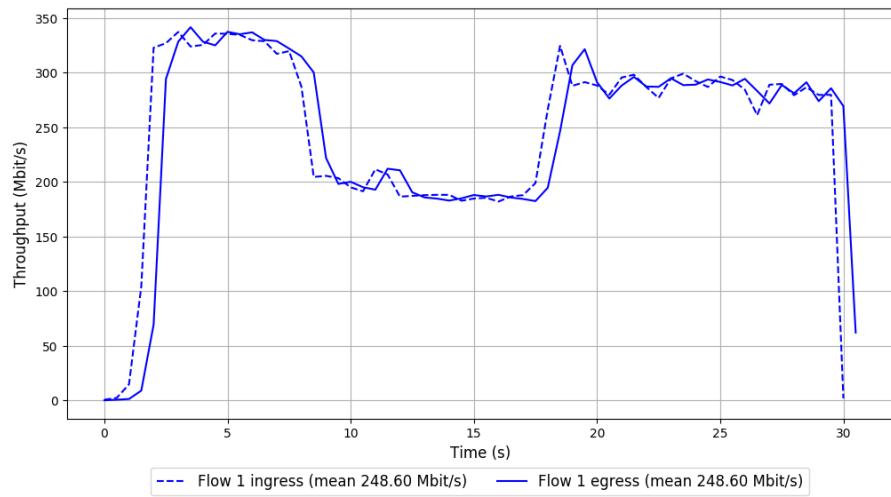


Run 9: Statistics of Copa

```
Start at: 2018-05-30 10:15:12
End at: 2018-05-30 10:15:42
Local clock offset: 0.427 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-05-30 11:09:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.60 Mbit/s
95th percentile per-packet one-way delay: 107.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.60 Mbit/s
95th percentile per-packet one-way delay: 107.079 ms
Loss rate: 0.00%
```

## Run 9: Report of Copa — Data Link

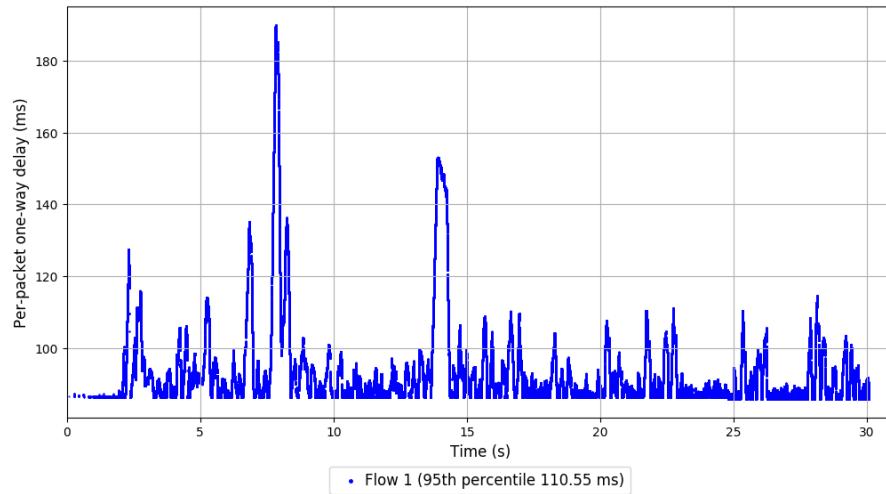
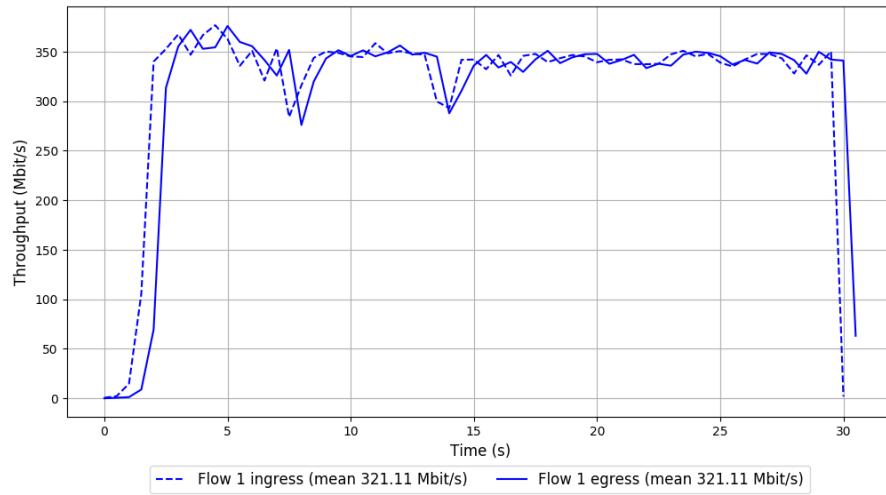


Run 10: Statistics of Copa

```
Start at: 2018-05-30 10:36:14
End at: 2018-05-30 10:36:44
Local clock offset: 0.661 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.11 Mbit/s
95th percentile per-packet one-way delay: 110.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.11 Mbit/s
95th percentile per-packet one-way delay: 110.553 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

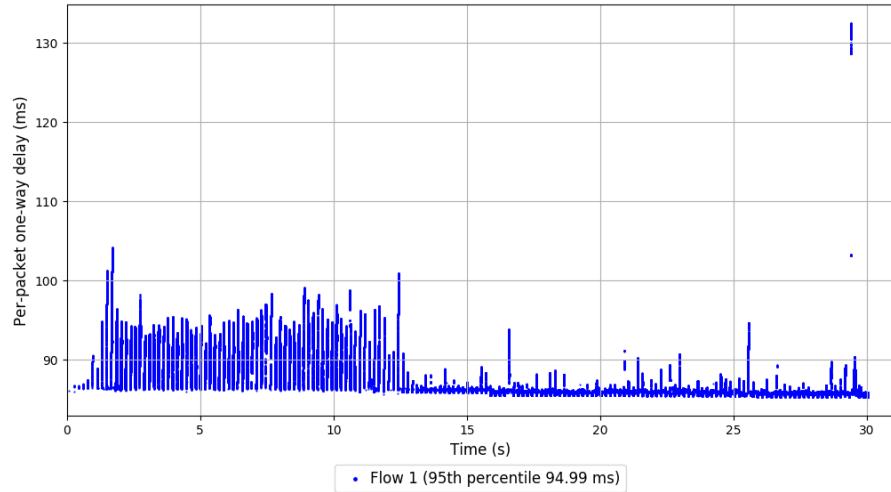
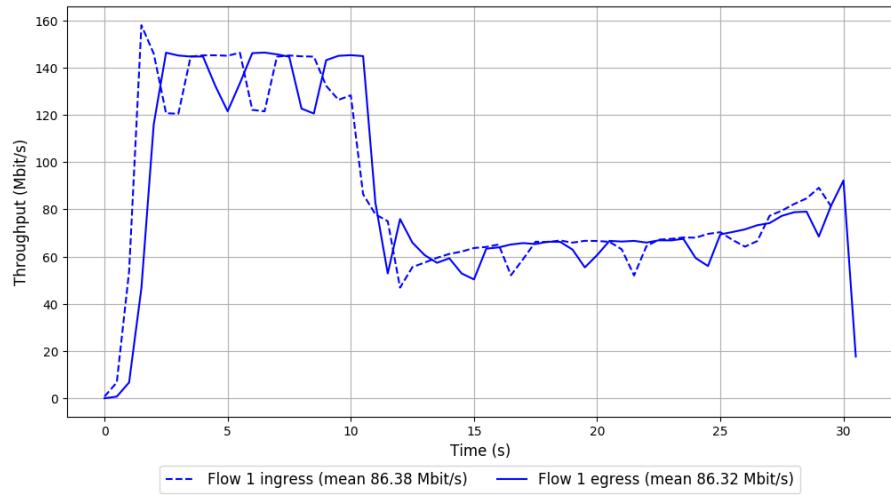


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-30 07:32:13
End at: 2018-05-30 07:32:43
Local clock offset: 16.697 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 94.993 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 94.993 ms
Loss rate: 0.07%
```

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

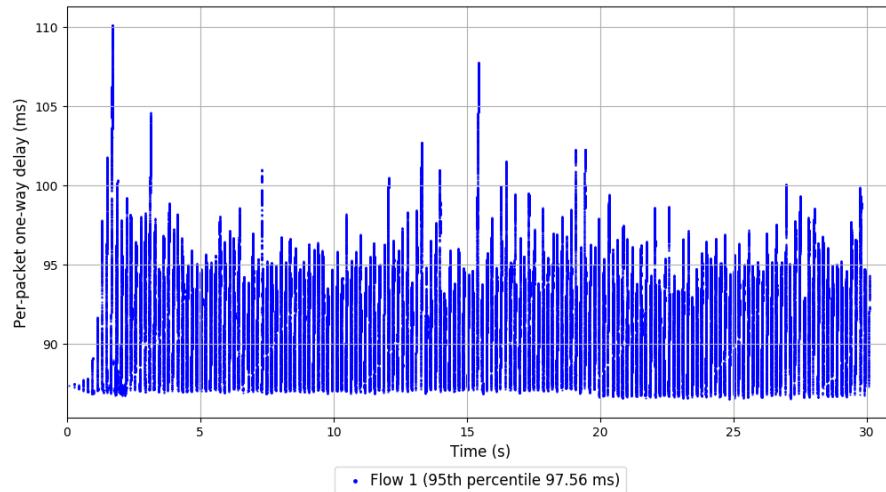
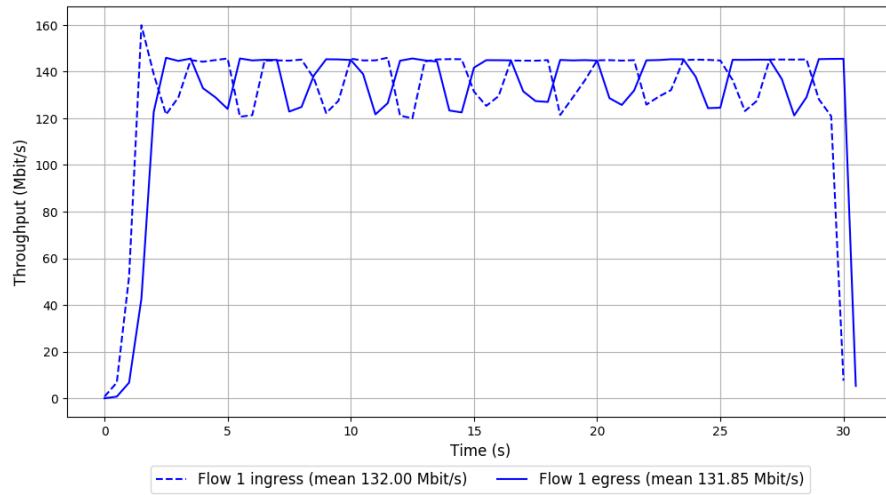


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-30 07:53:09
End at: 2018-05-30 07:53:39
Local clock offset: 15.934 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.85 Mbit/s
95th percentile per-packet one-way delay: 97.564 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 131.85 Mbit/s
95th percentile per-packet one-way delay: 97.564 ms
Loss rate: 0.11%
```

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

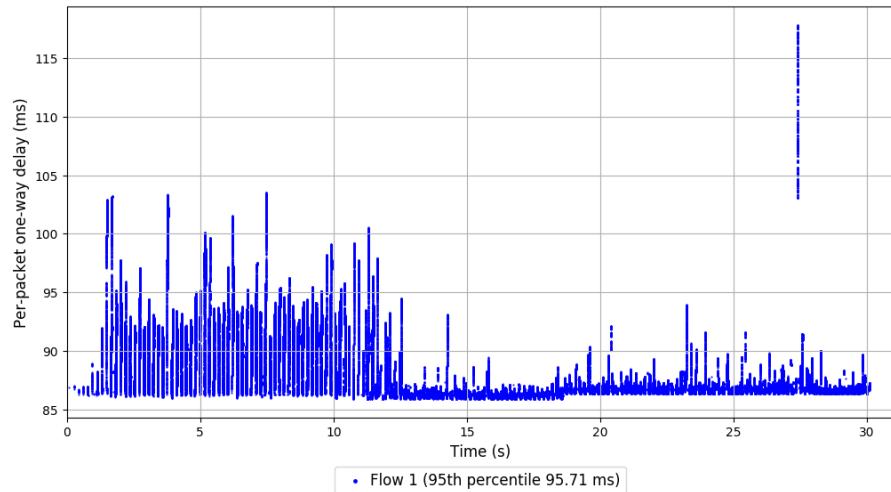
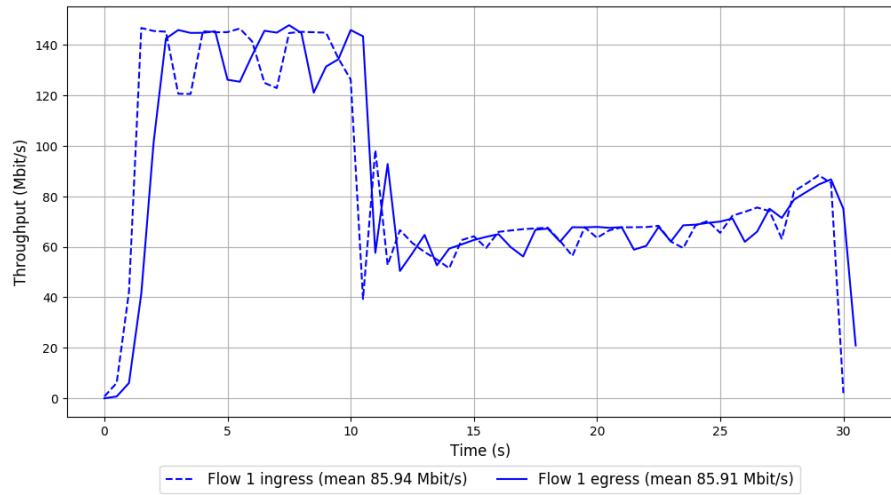


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-30 08:13:50
End at: 2018-05-30 08:14:20
Local clock offset: 6.516 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 95.710 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 95.710 ms
Loss rate: 0.03%
```

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

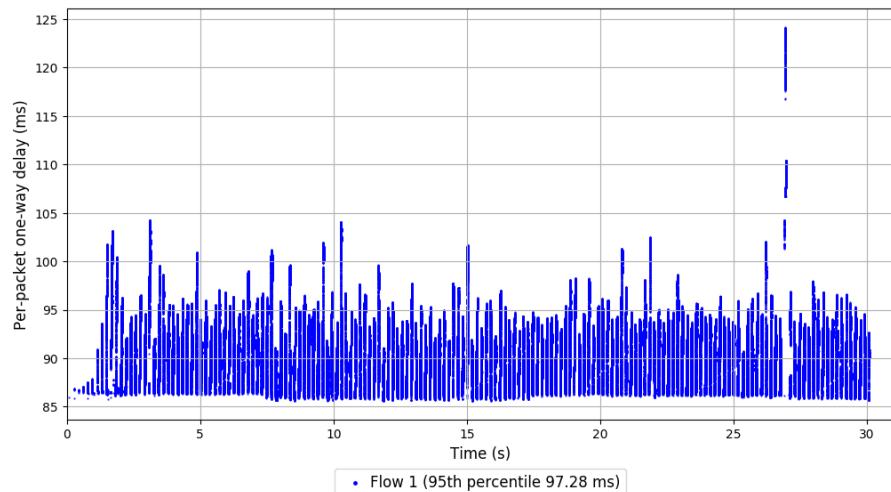
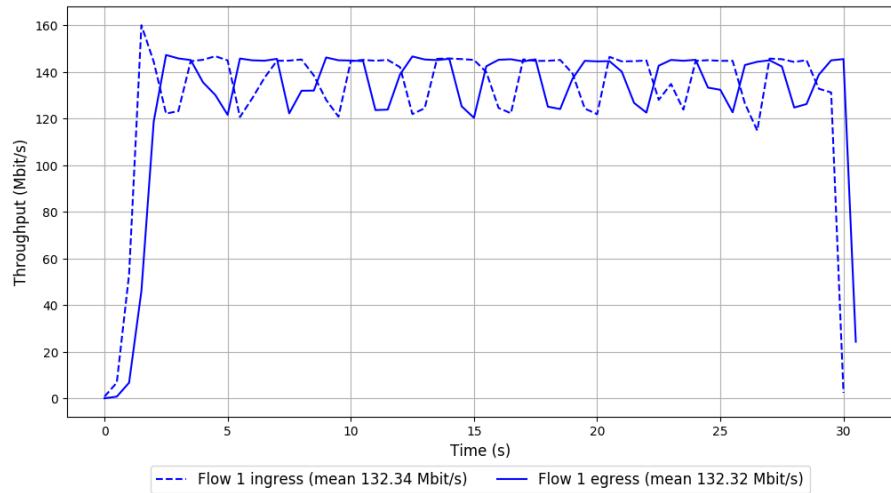


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-30 08:34:51
End at: 2018-05-30 08:35:21
Local clock offset: 5.935 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.32 Mbit/s
95th percentile per-packet one-way delay: 97.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.32 Mbit/s
95th percentile per-packet one-way delay: 97.285 ms
Loss rate: 0.00%
```

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

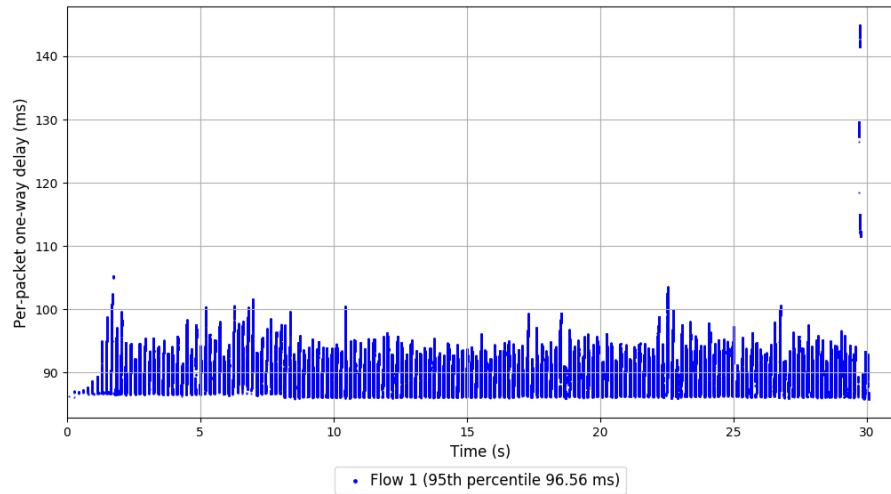
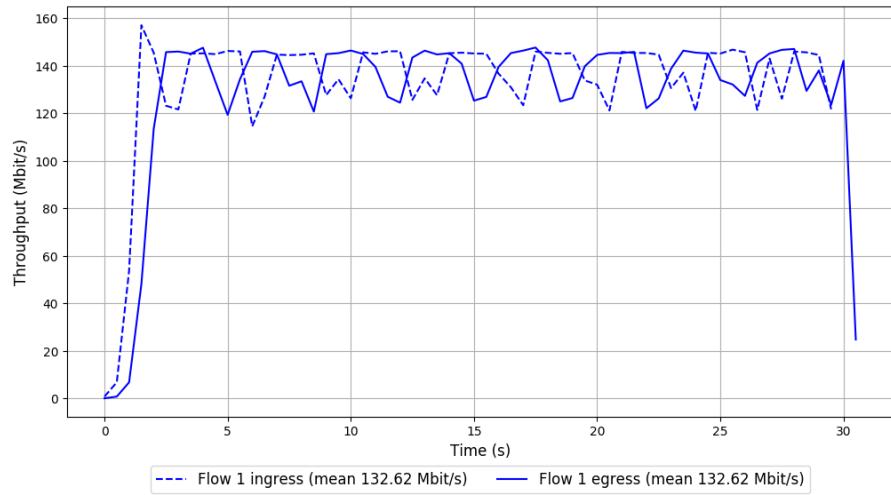


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-30 08:55:51
End at: 2018-05-30 08:56:21
Local clock offset: 1.803 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.62 Mbit/s
95th percentile per-packet one-way delay: 96.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.62 Mbit/s
95th percentile per-packet one-way delay: 96.559 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link

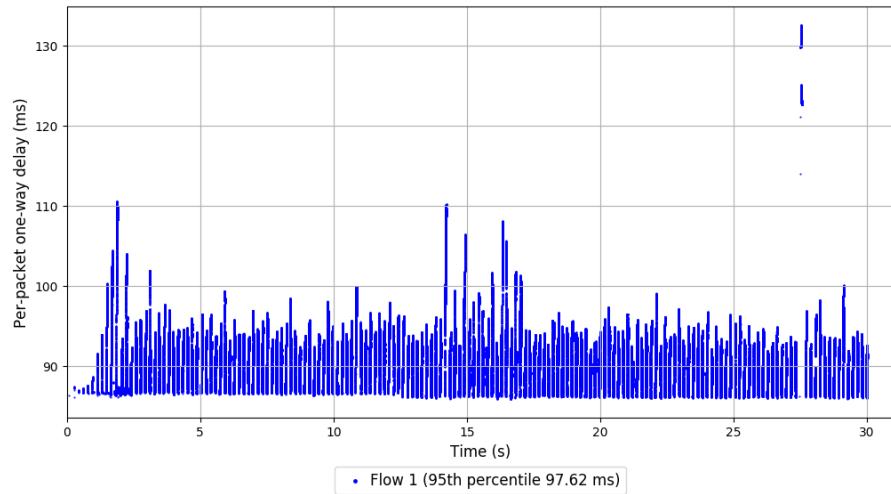
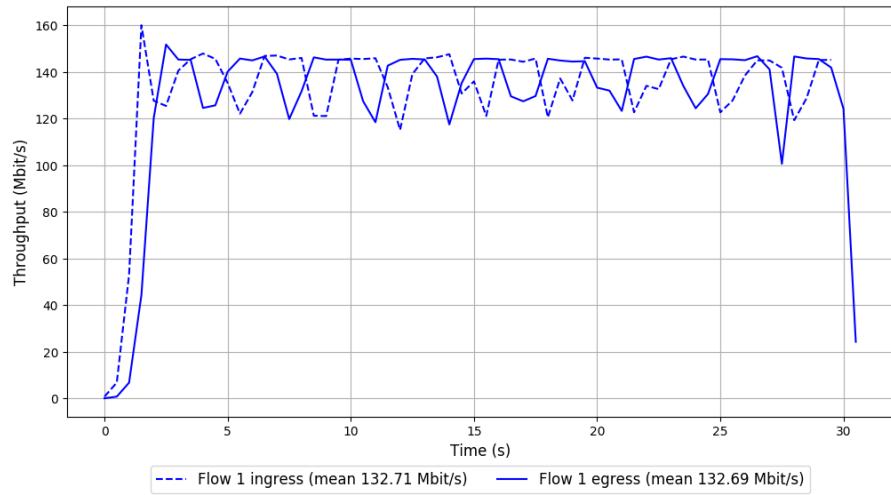


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:16:46
End at: 2018-05-30 09:17:16
Local clock offset: 0.713 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.69 Mbit/s
95th percentile per-packet one-way delay: 97.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.69 Mbit/s
95th percentile per-packet one-way delay: 97.621 ms
Loss rate: 0.00%
```

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

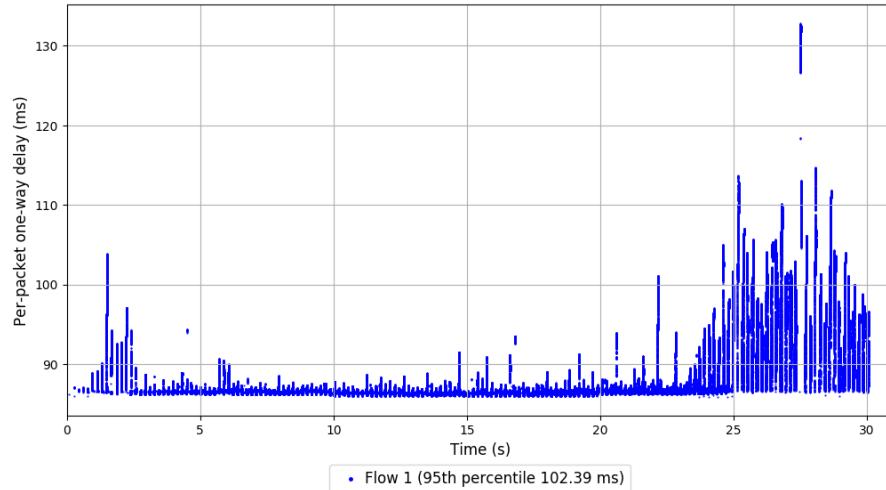
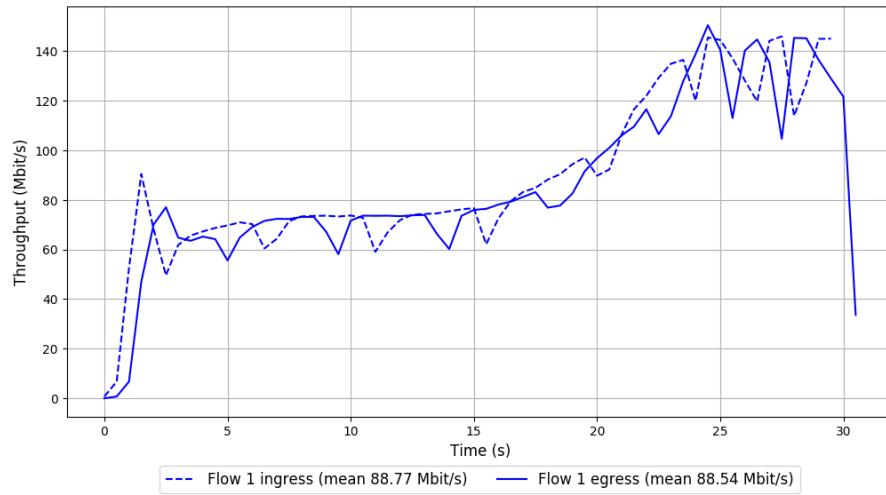


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:37:29
End at: 2018-05-30 09:37:59
Local clock offset: 0.854 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 102.387 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 102.387 ms
Loss rate: 0.26%
```

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

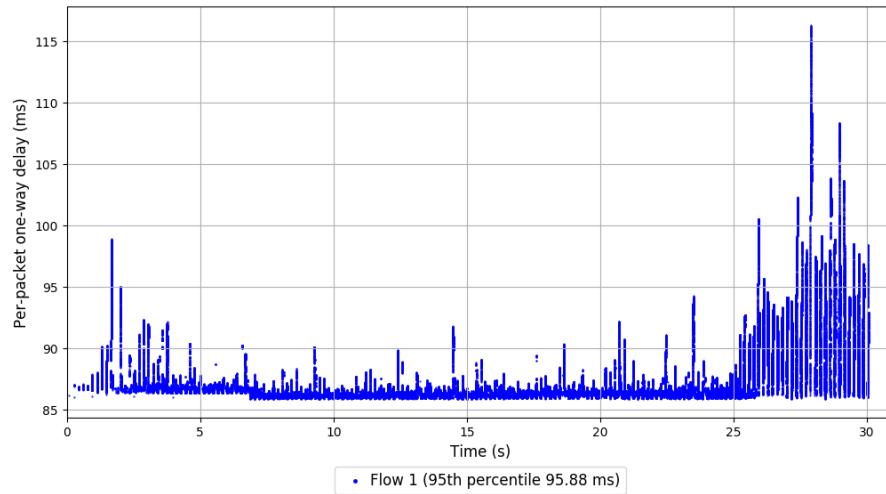
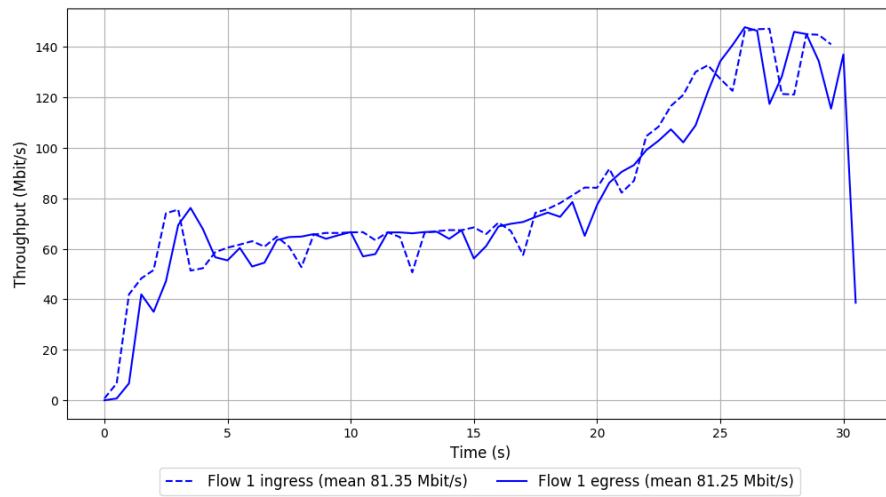


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-30 09:58:12
End at: 2018-05-30 09:58:42
Local clock offset: 0.424 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 95.882 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 95.882 ms
Loss rate: 0.12%
```

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

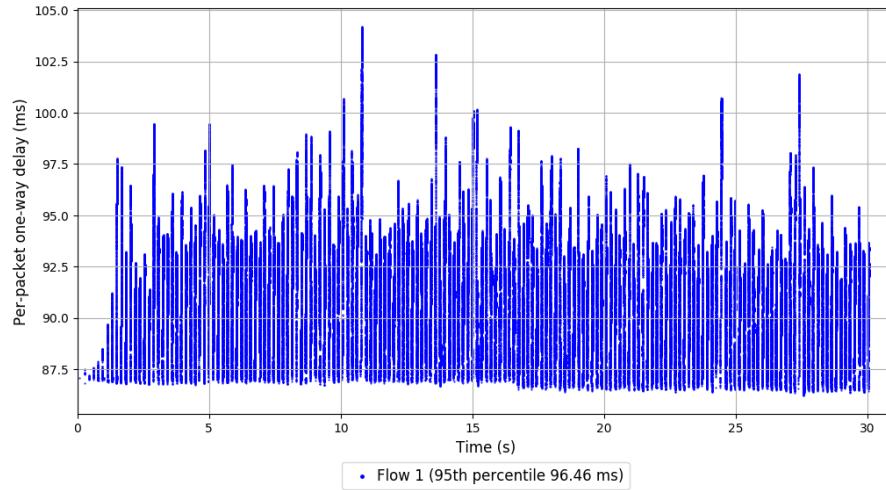
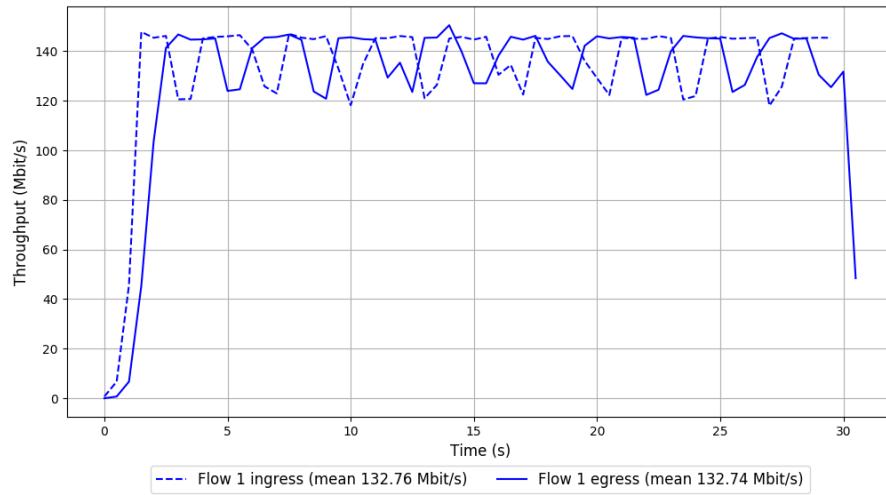


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-30 10:19:02
End at: 2018-05-30 10:19:32
Local clock offset: 0.202 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.74 Mbit/s
95th percentile per-packet one-way delay: 96.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.74 Mbit/s
95th percentile per-packet one-way delay: 96.460 ms
Loss rate: 0.00%
```

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

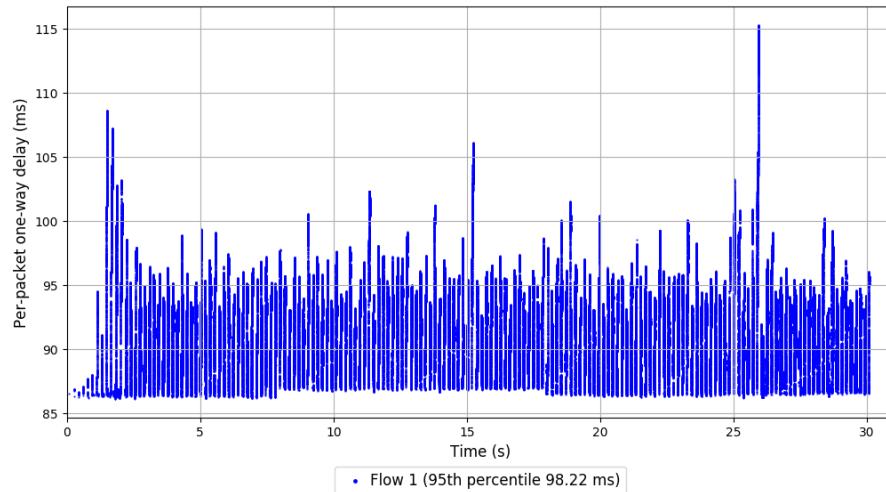
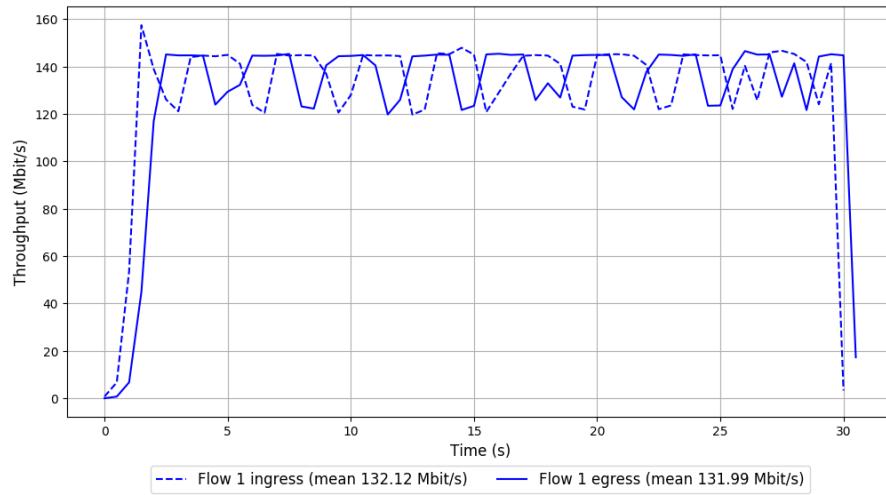


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-05-30 10:40:11
End at: 2018-05-30 10:40:41
Local clock offset: 0.556 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-05-30 11:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.99 Mbit/s
95th percentile per-packet one-way delay: 98.221 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 131.99 Mbit/s
95th percentile per-packet one-way delay: 98.221 ms
Loss rate: 0.09%
```

Run 10: Report of TCP Cubic — Data Link

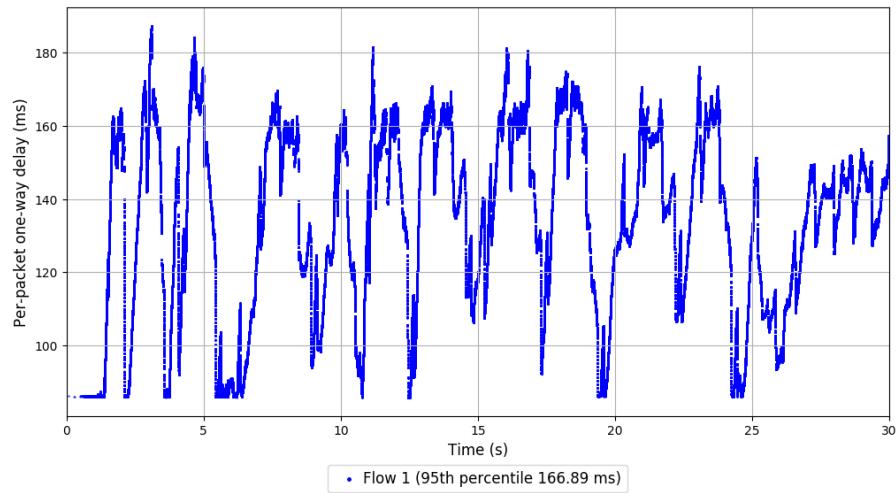
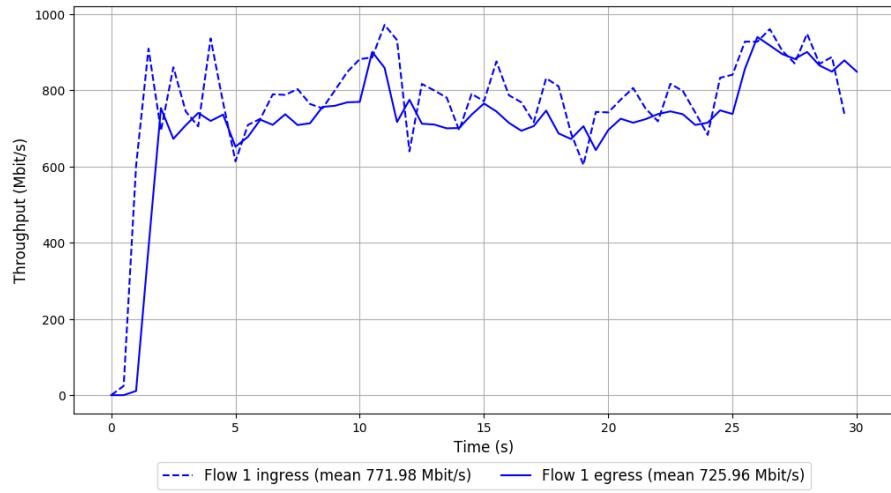


```
Run 1: Statistics of FillP
```

```
Start at: 2018-05-30 07:34:31
End at: 2018-05-30 07:35:01
Local clock offset: 14.933 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-05-30 11:20:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 725.96 Mbit/s
95th percentile per-packet one-way delay: 166.894 ms
Loss rate: 5.96%
-- Flow 1:
Average throughput: 725.96 Mbit/s
95th percentile per-packet one-way delay: 166.894 ms
Loss rate: 5.96%
```

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

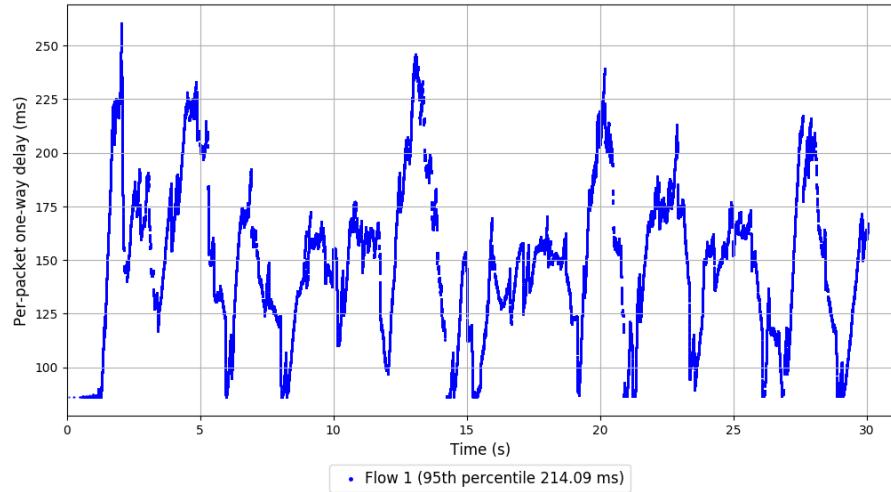
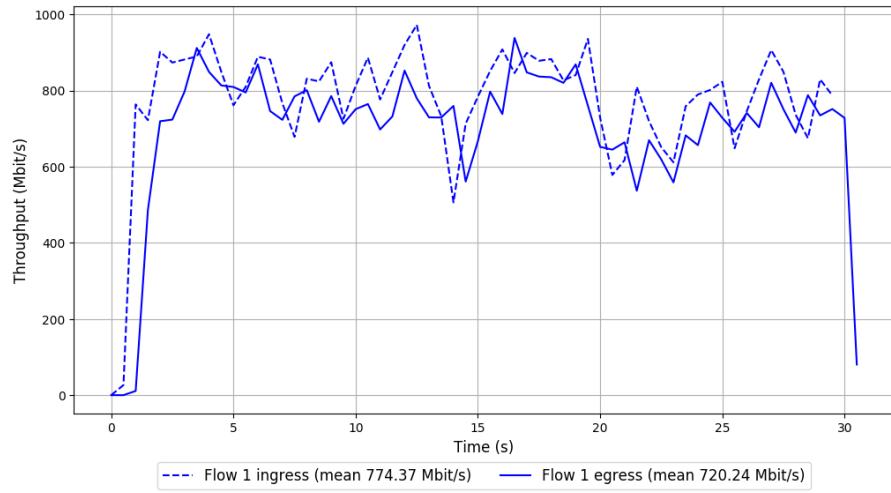


Run 2: Statistics of FillP

```
Start at: 2018-05-30 07:55:29
End at: 2018-05-30 07:55:59
Local clock offset: 17.196 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-30 11:20:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 720.24 Mbit/s
95th percentile per-packet one-way delay: 214.094 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 720.24 Mbit/s
95th percentile per-packet one-way delay: 214.094 ms
Loss rate: 6.99%
```

## Run 2: Report of FillP — Data Link

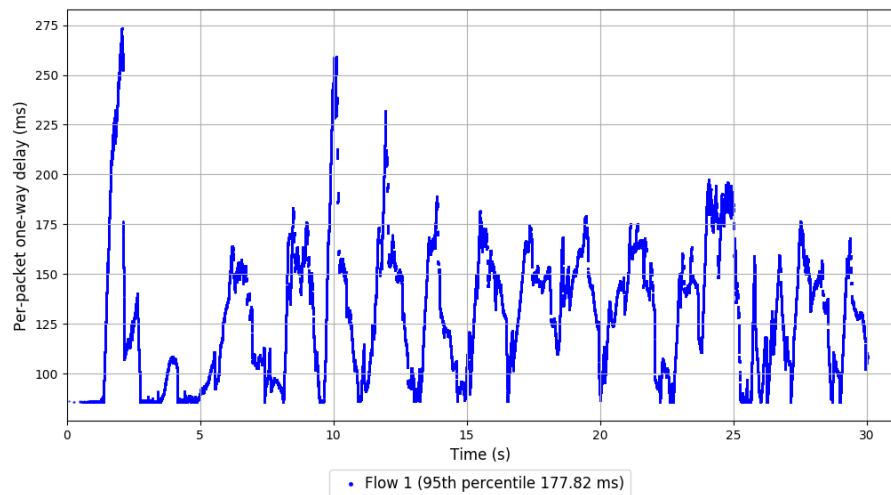
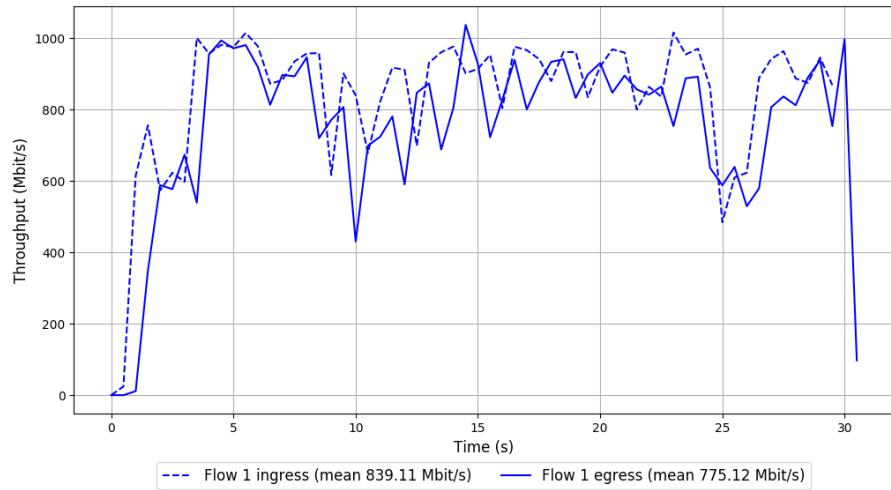


Run 3: Statistics of FillP

```
Start at: 2018-05-30 08:16:09
End at: 2018-05-30 08:16:39
Local clock offset: 6.567 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-30 11:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 775.12 Mbit/s
95th percentile per-packet one-way delay: 177.825 ms
Loss rate: 7.62%
-- Flow 1:
Average throughput: 775.12 Mbit/s
95th percentile per-packet one-way delay: 177.825 ms
Loss rate: 7.62%
```

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

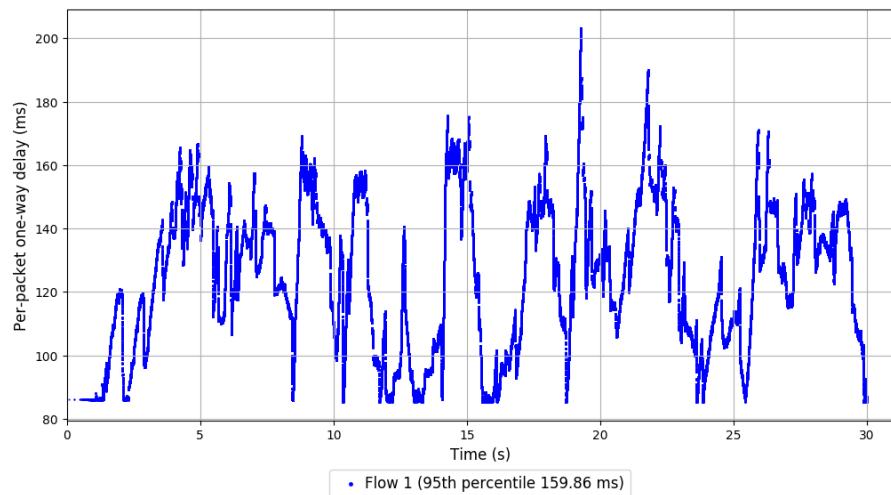
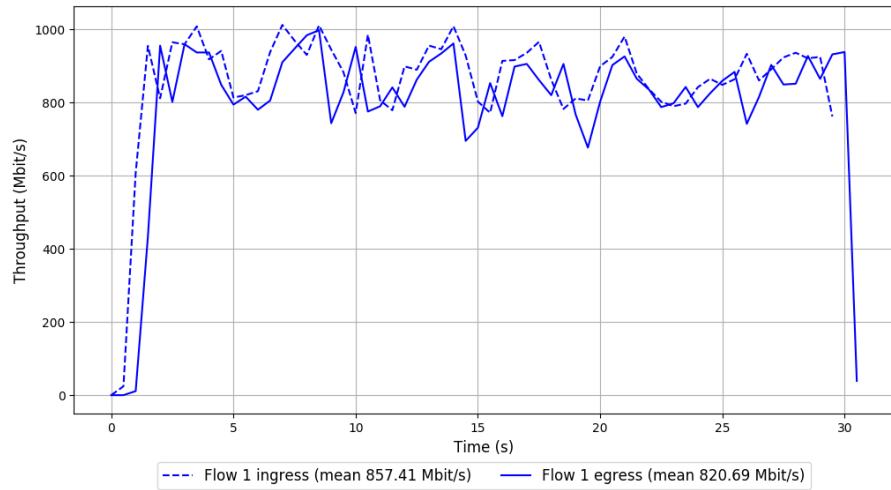


Run 4: Statistics of FillP

```
Start at: 2018-05-30 08:37:12
End at: 2018-05-30 08:37:42
Local clock offset: 4.9 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-30 11:22:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 820.69 Mbit/s
95th percentile per-packet one-way delay: 159.864 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 820.69 Mbit/s
95th percentile per-packet one-way delay: 159.864 ms
Loss rate: 4.28%
```

## Run 4: Report of FillP — Data Link

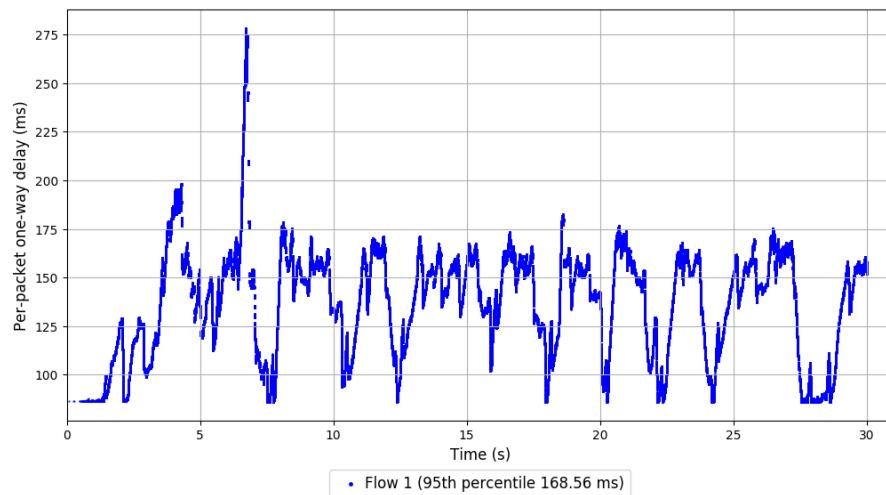
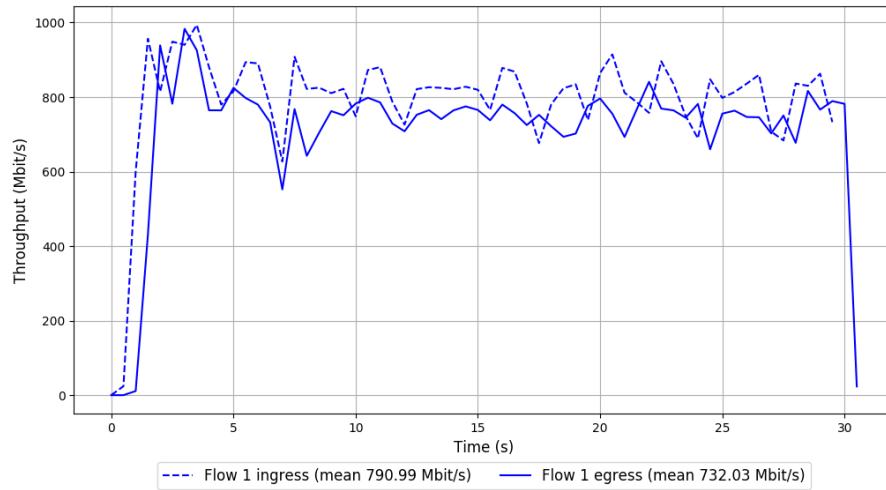


Run 5: Statistics of FillP

```
Start at: 2018-05-30 08:58:12
End at: 2018-05-30 08:58:42
Local clock offset: 1.793 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-30 11:22:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 732.03 Mbit/s
95th percentile per-packet one-way delay: 168.561 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 732.03 Mbit/s
95th percentile per-packet one-way delay: 168.561 ms
Loss rate: 7.45%
```

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

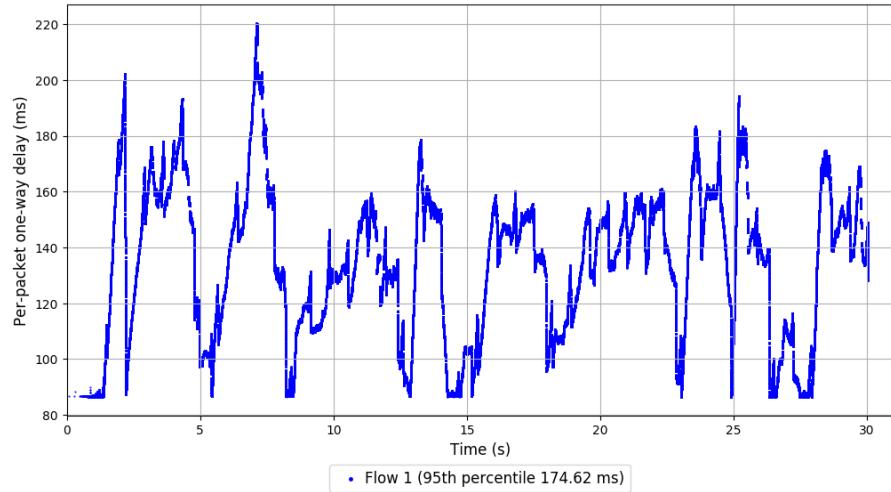
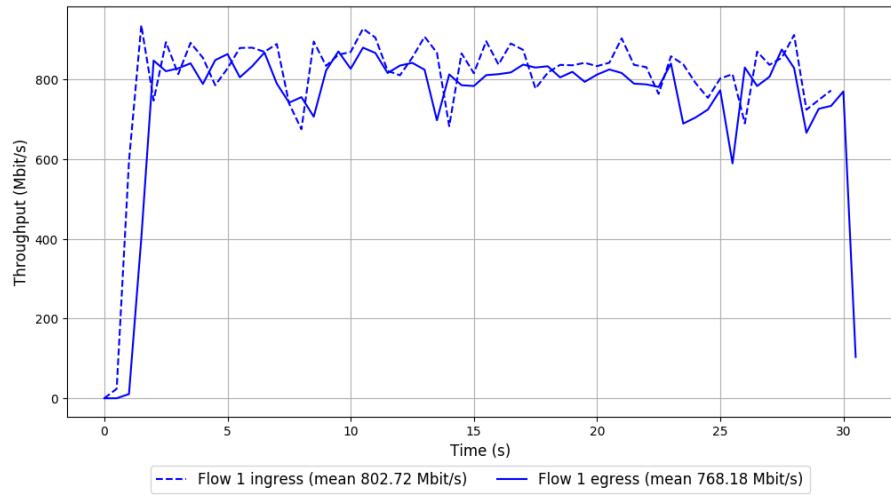


```
Run 6: Statistics of FillP
```

```
Start at: 2018-05-30 09:19:07
End at: 2018-05-30 09:19:37
Local clock offset: 0.637 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-05-30 11:22:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 768.18 Mbit/s
95th percentile per-packet one-way delay: 174.623 ms
Loss rate: 4.30%
-- Flow 1:
Average throughput: 768.18 Mbit/s
95th percentile per-packet one-way delay: 174.623 ms
Loss rate: 4.30%
```

Run 6: Report of FillP — Data Link

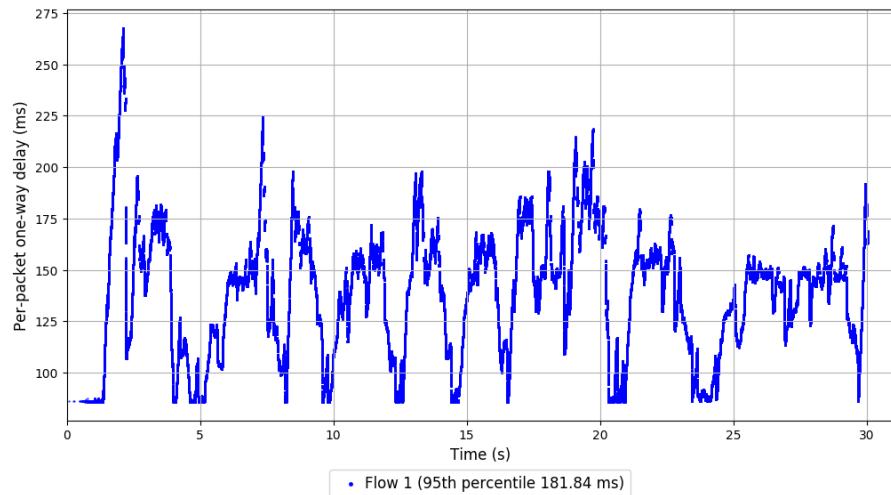
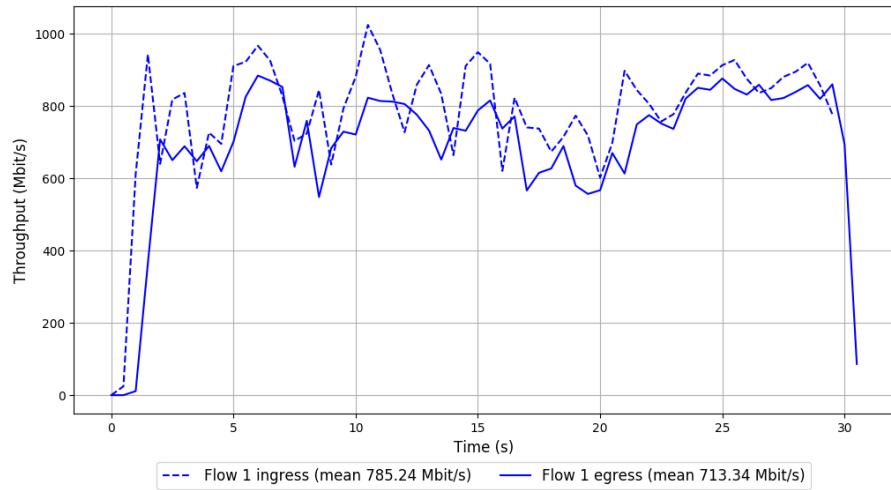


Run 7: Statistics of FillP

```
Start at: 2018-05-30 09:39:48
End at: 2018-05-30 09:40:18
Local clock offset: 0.848 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-05-30 11:23:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 713.34 Mbit/s
95th percentile per-packet one-way delay: 181.837 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 713.34 Mbit/s
95th percentile per-packet one-way delay: 181.837 ms
Loss rate: 9.16%
```

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

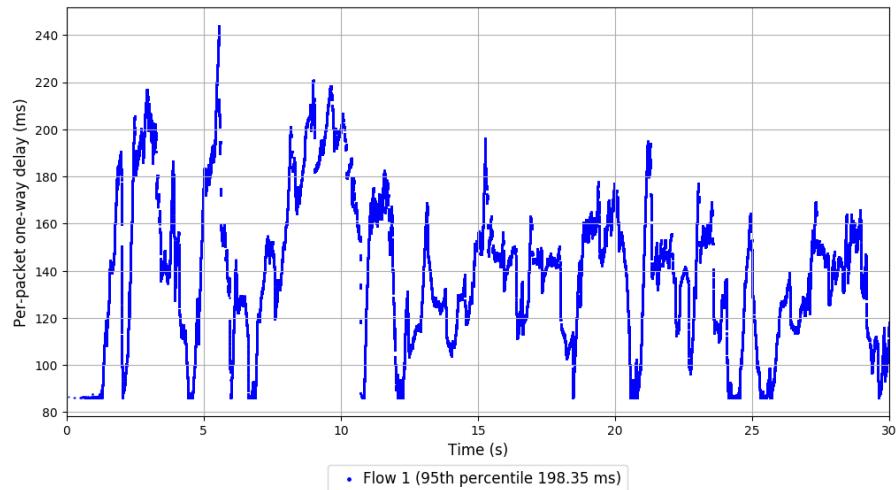
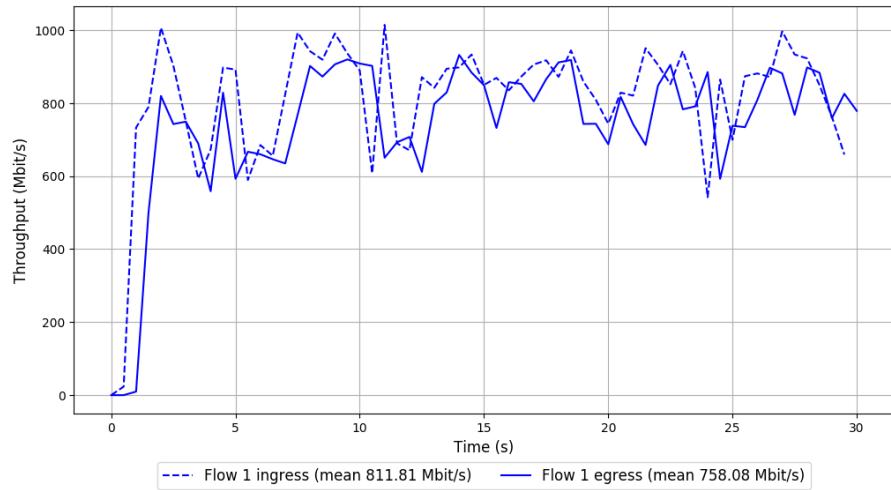


Run 8: Statistics of FillP

```
Start at: 2018-05-30 10:00:30
End at: 2018-05-30 10:01:00
Local clock offset: 0.473 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-05-30 11:26:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 758.08 Mbit/s
95th percentile per-packet one-way delay: 198.347 ms
Loss rate: 6.62%
-- Flow 1:
Average throughput: 758.08 Mbit/s
95th percentile per-packet one-way delay: 198.347 ms
Loss rate: 6.62%
```

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

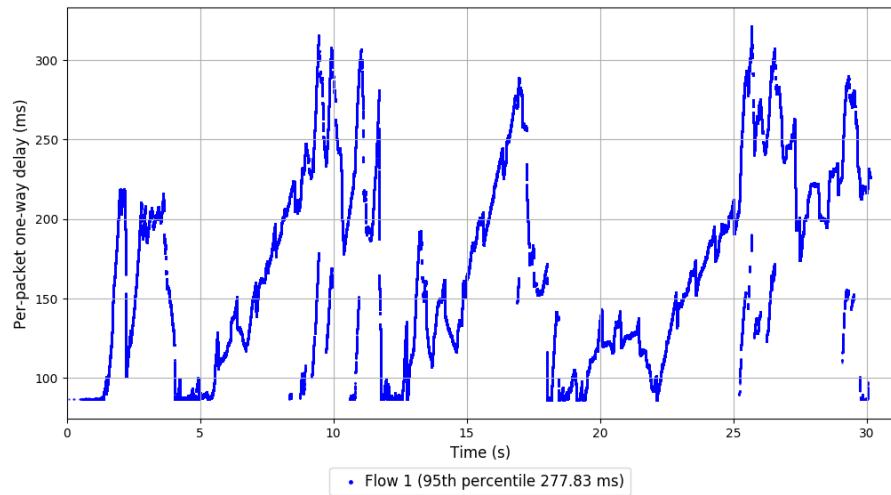
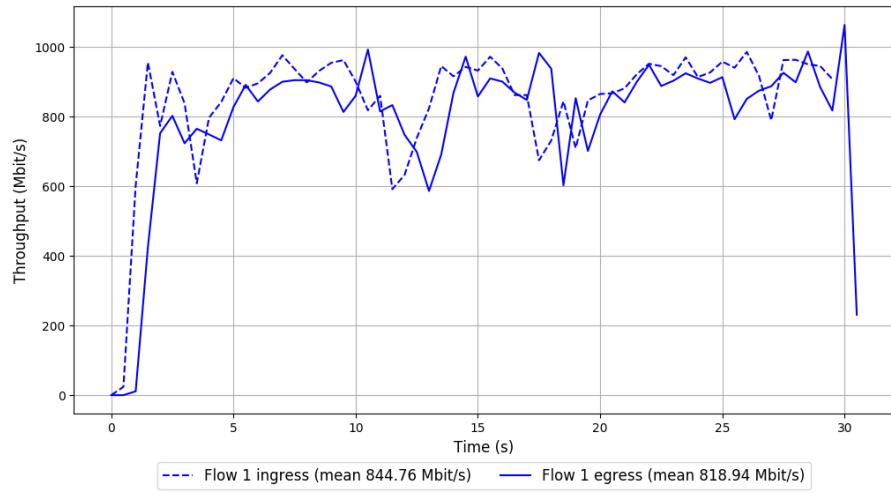


```
Run 9: Statistics of FillP
```

```
Start at: 2018-05-30 10:21:23
End at: 2018-05-30 10:21:53
Local clock offset: 0.7 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 818.94 Mbit/s
95th percentile per-packet one-way delay: 277.828 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 818.94 Mbit/s
95th percentile per-packet one-way delay: 277.828 ms
Loss rate: 2.79%
```

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

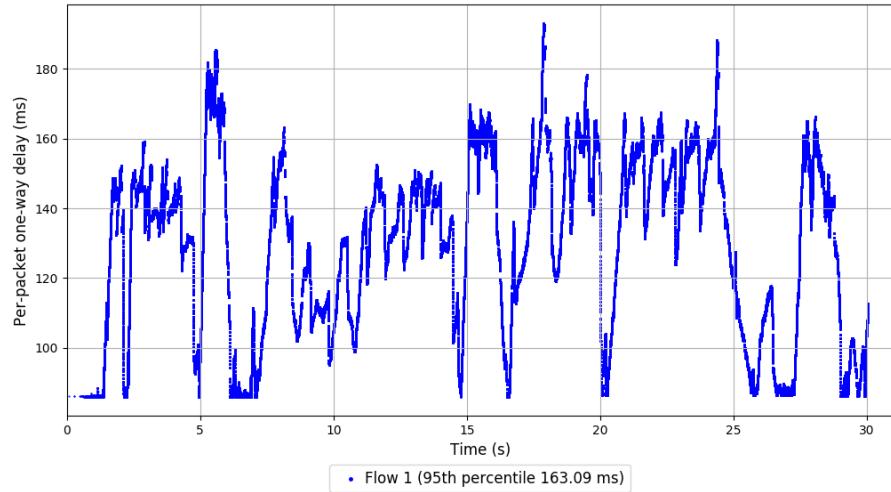
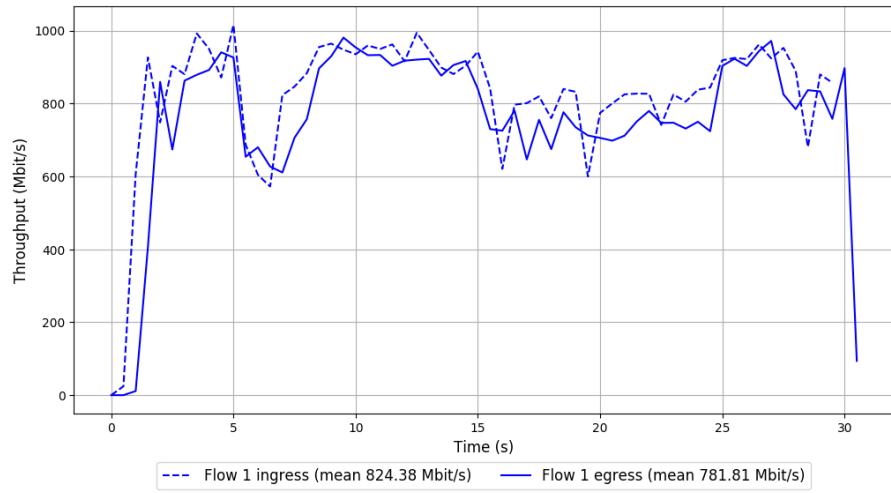


```
Run 10: Statistics of FillP
```

```
Start at: 2018-05-30 10:42:31
End at: 2018-05-30 10:43:01
Local clock offset: 0.849 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 781.81 Mbit/s
95th percentile per-packet one-way delay: 163.087 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 781.81 Mbit/s
95th percentile per-packet one-way delay: 163.087 ms
Loss rate: 5.16%
```

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

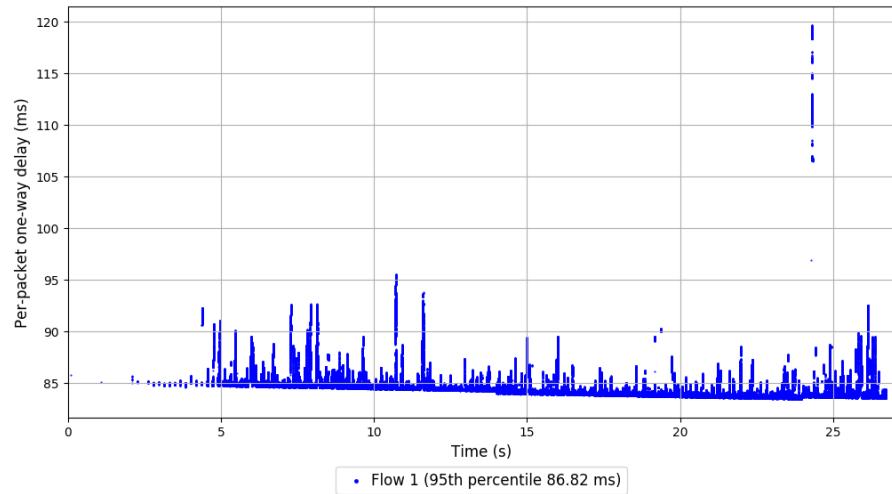
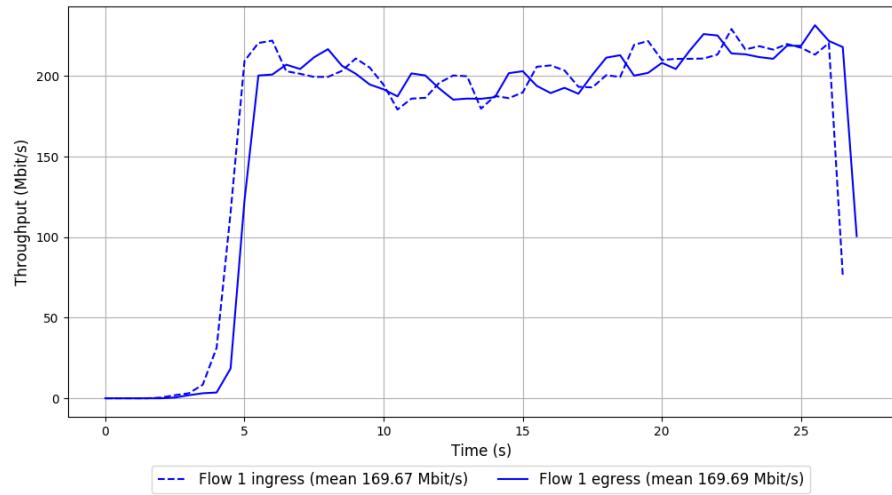


Run 1: Statistics of Indigo

```
Start at: 2018-05-30 07:23:11
End at: 2018-05-30 07:23:41
Local clock offset: 35.207 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.69 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.69 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
```

## Run 1: Report of Indigo — Data Link

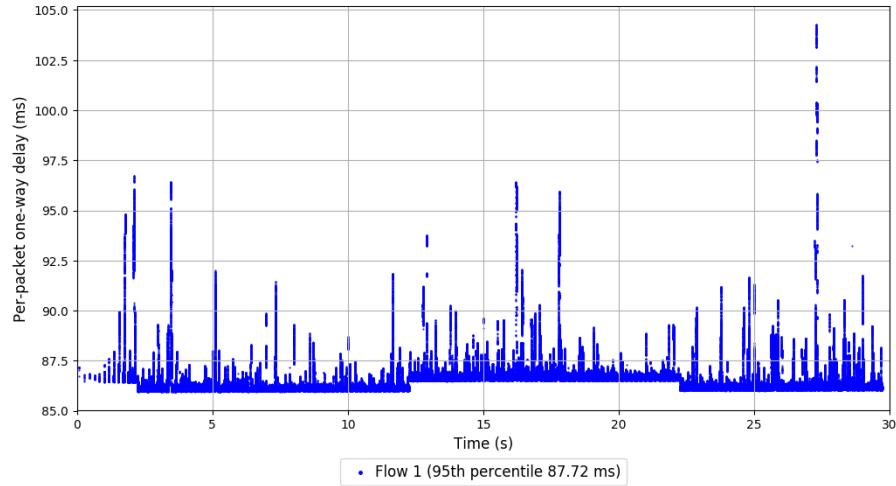
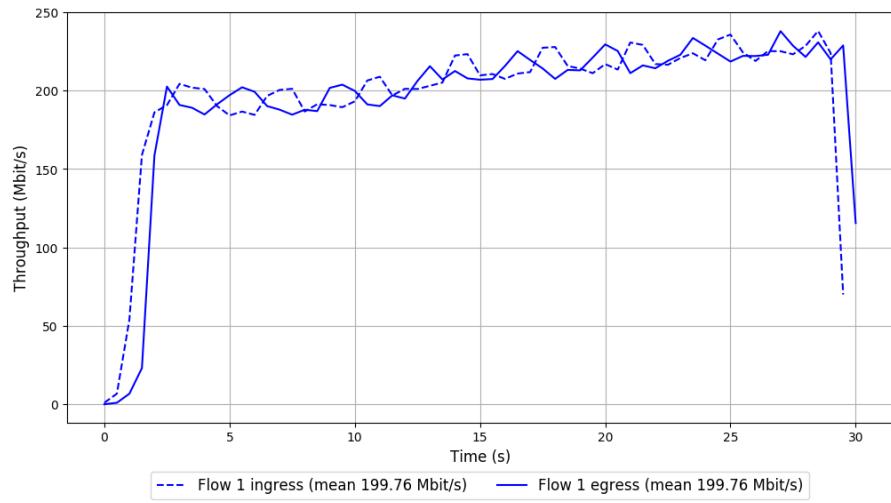


Run 2: Statistics of Indigo

```
Start at: 2018-05-30 07:44:06
End at: 2018-05-30 07:44:36
Local clock offset: 13.524 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.76 Mbit/s
95th percentile per-packet one-way delay: 87.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.76 Mbit/s
95th percentile per-packet one-way delay: 87.715 ms
Loss rate: 0.00%
```

## Run 2: Report of Indigo — Data Link

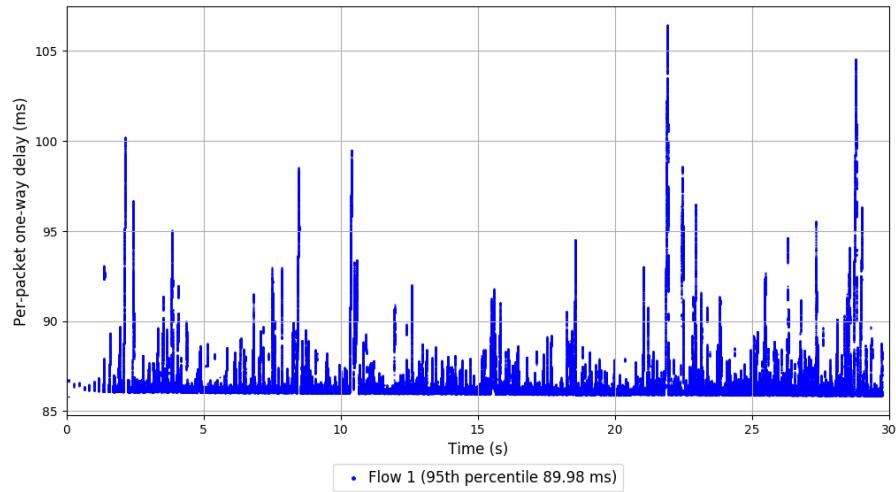
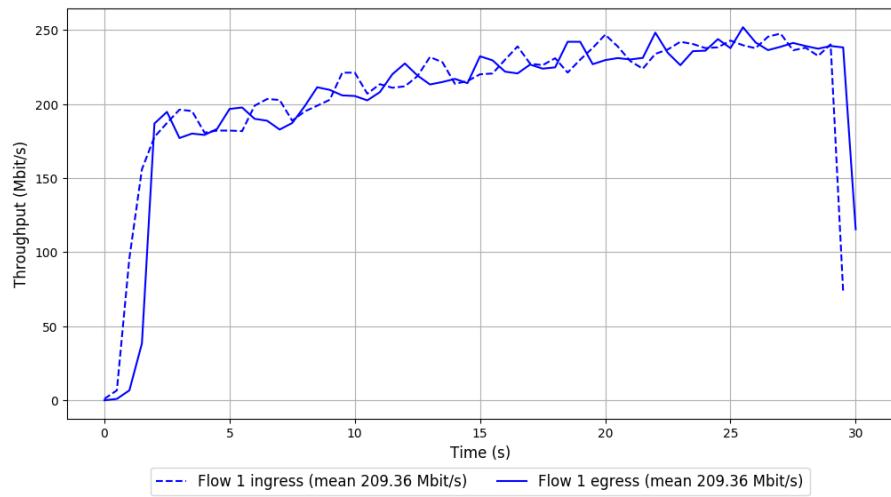


Run 3: Statistics of Indigo

```
Start at: 2018-05-30 08:04:58
End at: 2018-05-30 08:05:28
Local clock offset: 9.124 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.36 Mbit/s
95th percentile per-packet one-way delay: 89.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.36 Mbit/s
95th percentile per-packet one-way delay: 89.978 ms
Loss rate: 0.00%
```

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

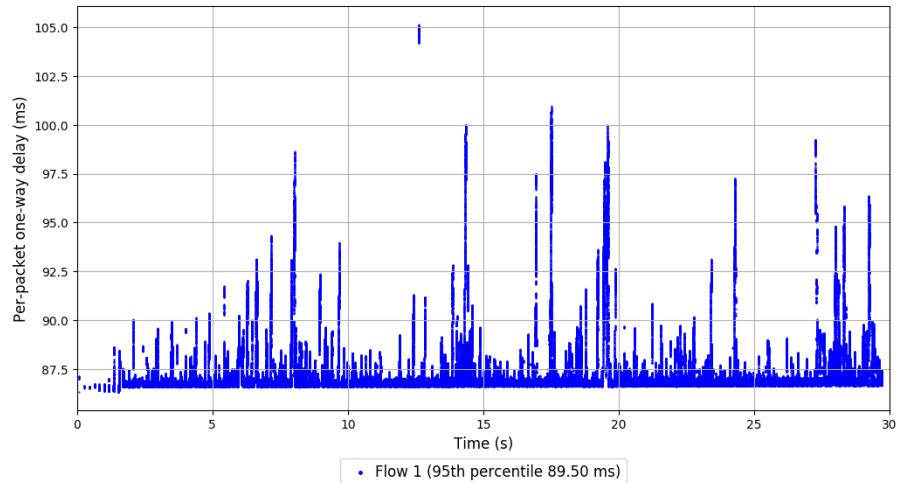
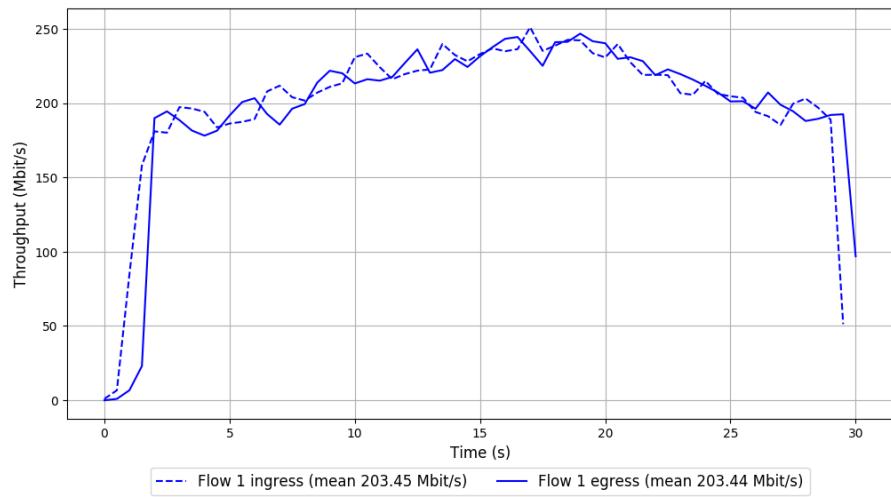


Run 4: Statistics of Indigo

```
Start at: 2018-05-30 08:25:47
End at: 2018-05-30 08:26:17
Local clock offset: 7.292 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.44 Mbit/s
95th percentile per-packet one-way delay: 89.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.44 Mbit/s
95th percentile per-packet one-way delay: 89.498 ms
Loss rate: 0.00%
```

## Run 4: Report of Indigo — Data Link

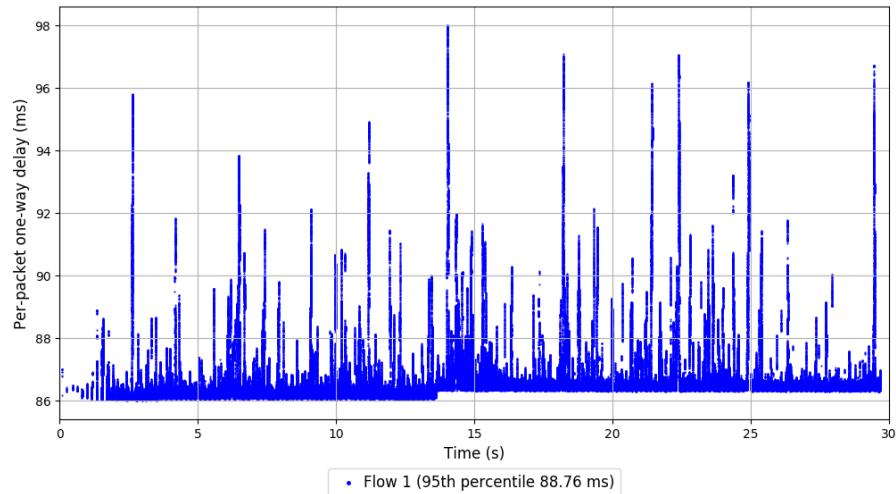
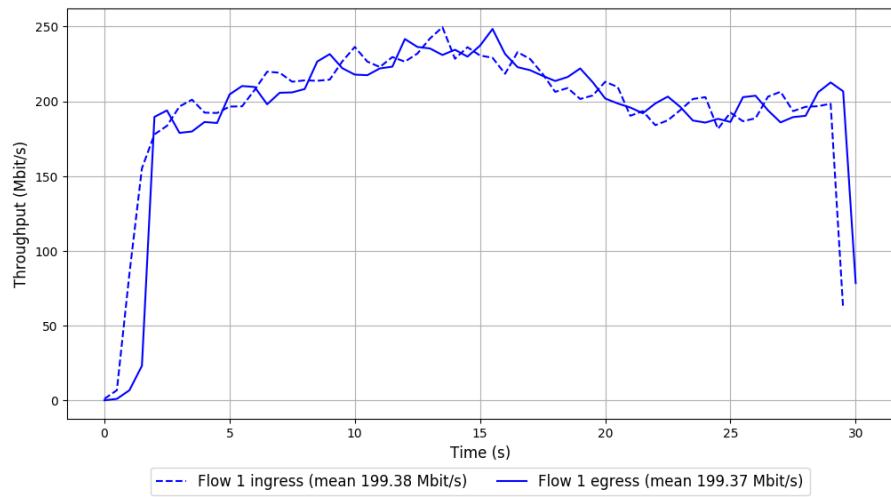


Run 5: Statistics of Indigo

```
Start at: 2018-05-30 08:46:55
End at: 2018-05-30 08:47:25
Local clock offset: 2.153 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.37 Mbit/s
95th percentile per-packet one-way delay: 88.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.37 Mbit/s
95th percentile per-packet one-way delay: 88.761 ms
Loss rate: 0.00%
```

## Run 5: Report of Indigo — Data Link

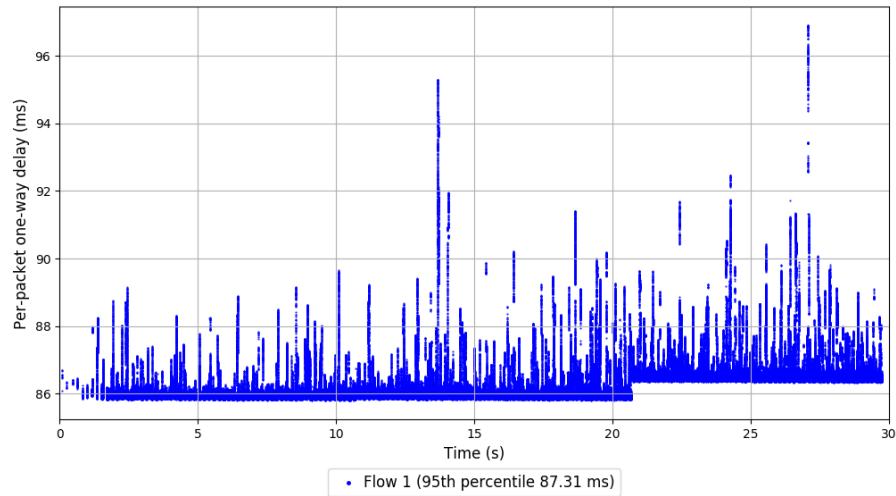
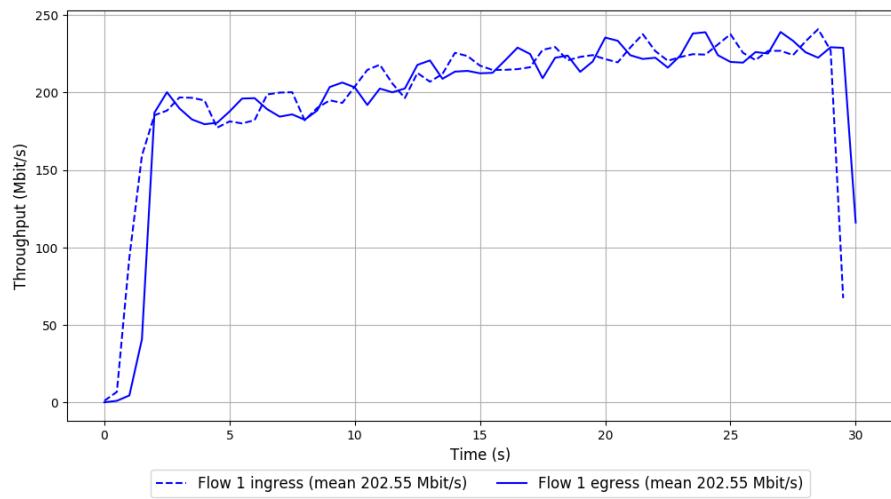


Run 6: Statistics of Indigo

```
Start at: 2018-05-30 09:07:48
End at: 2018-05-30 09:08:18
Local clock offset: 1.527 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.55 Mbit/s
95th percentile per-packet one-way delay: 87.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.55 Mbit/s
95th percentile per-packet one-way delay: 87.314 ms
Loss rate: 0.00%
```

## Run 6: Report of Indigo — Data Link

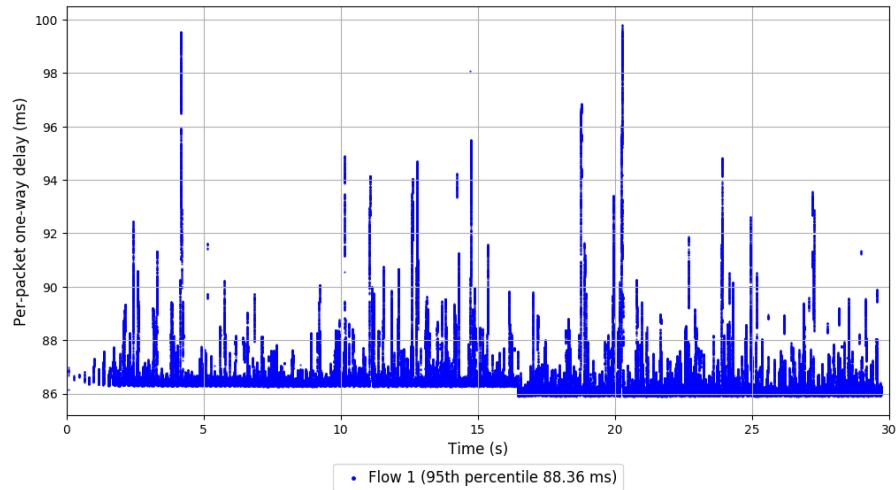
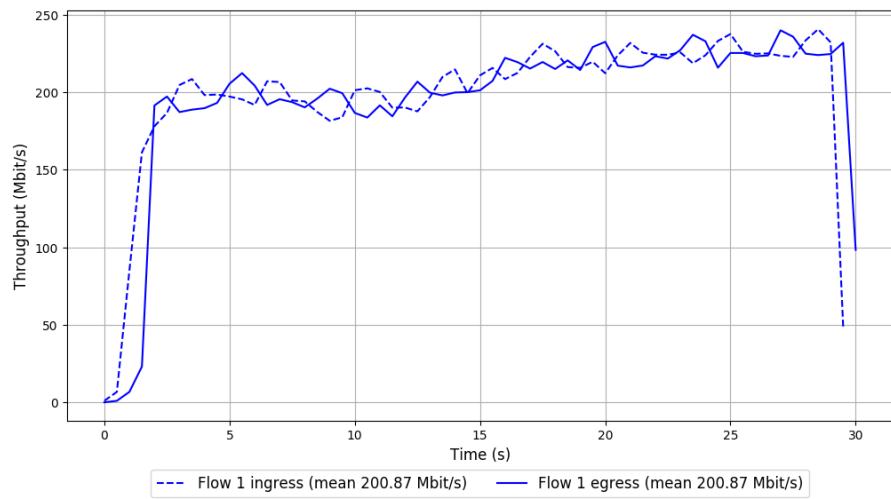


Run 7: Statistics of Indigo

```
Start at: 2018-05-30 09:28:42
End at: 2018-05-30 09:29:12
Local clock offset: 0.693 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.87 Mbit/s
95th percentile per-packet one-way delay: 88.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.87 Mbit/s
95th percentile per-packet one-way delay: 88.356 ms
Loss rate: 0.00%
```

## Run 7: Report of Indigo — Data Link

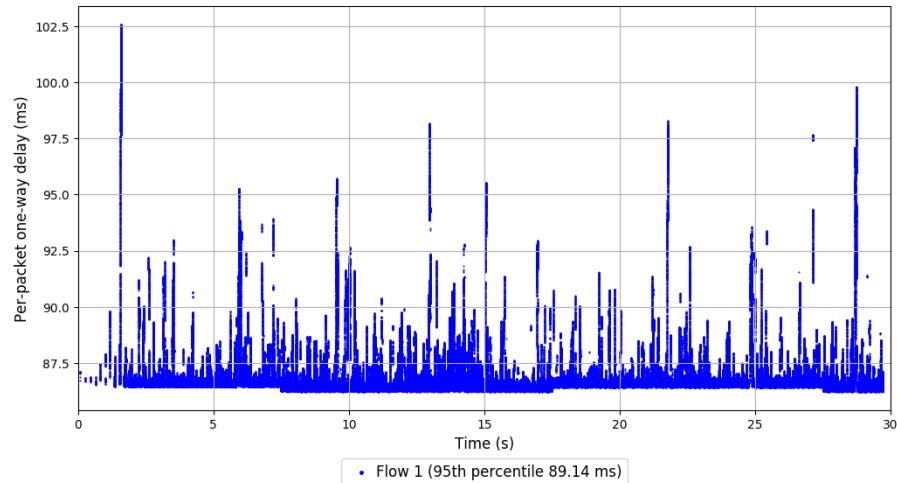
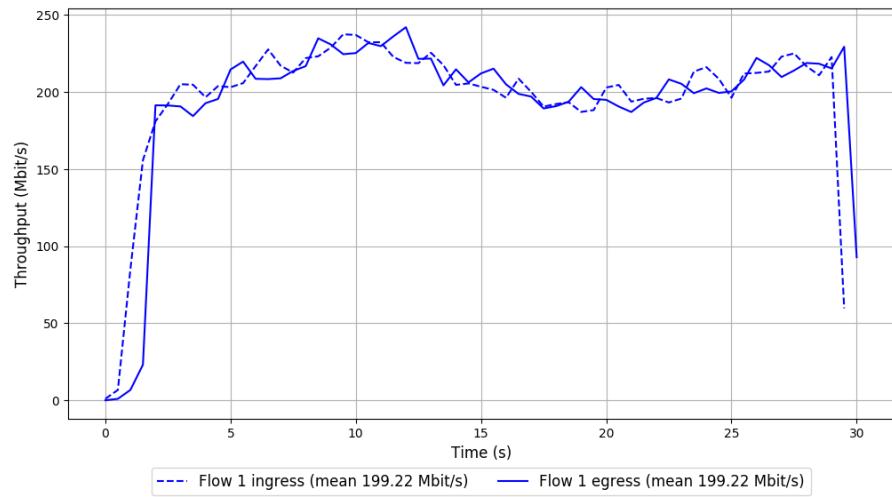


Run 8: Statistics of Indigo

```
Start at: 2018-05-30 09:49:21
End at: 2018-05-30 09:49:51
Local clock offset: 0.257 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.22 Mbit/s
95th percentile per-packet one-way delay: 89.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.22 Mbit/s
95th percentile per-packet one-way delay: 89.142 ms
Loss rate: 0.00%
```

## Run 8: Report of Indigo — Data Link

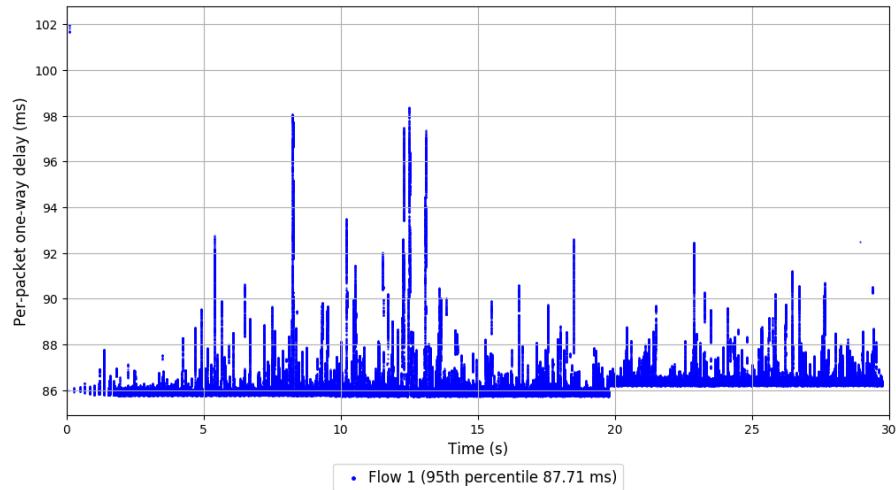
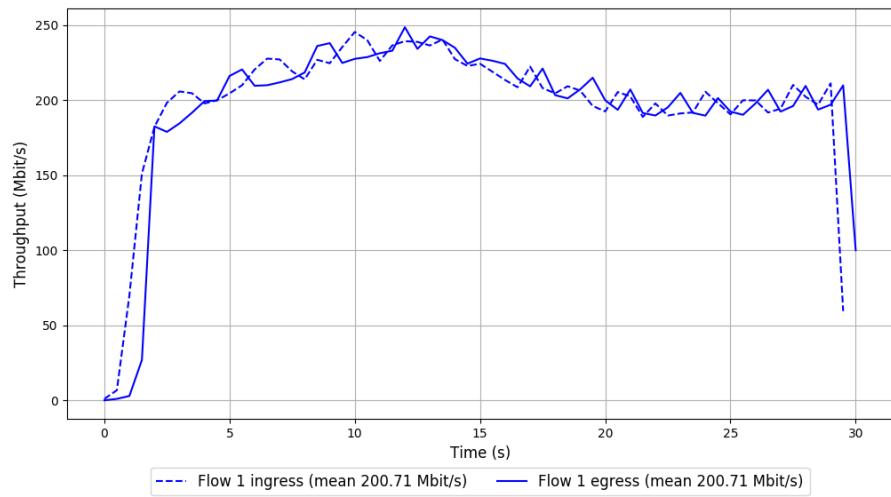


Run 9: Statistics of Indigo

```
Start at: 2018-05-30 10:10:09
End at: 2018-05-30 10:10:39
Local clock offset: 0.537 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.71 Mbit/s
95th percentile per-packet one-way delay: 87.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.71 Mbit/s
95th percentile per-packet one-way delay: 87.712 ms
Loss rate: 0.00%
```

## Run 9: Report of Indigo — Data Link

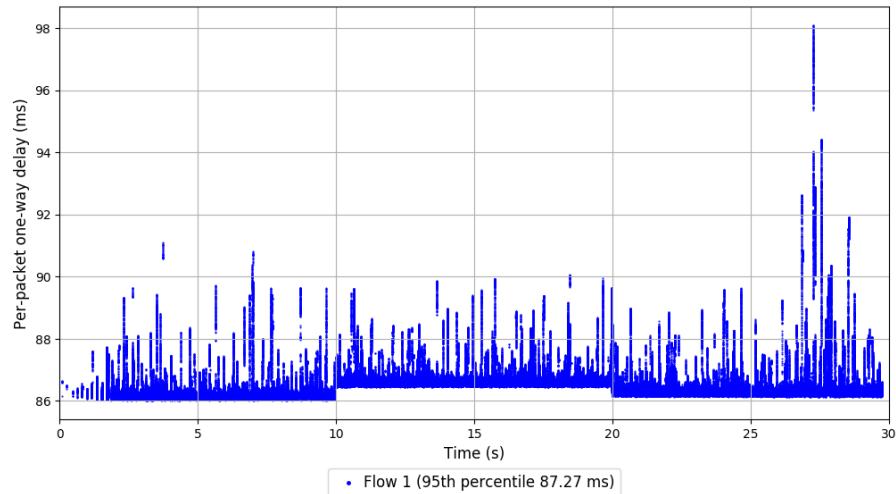
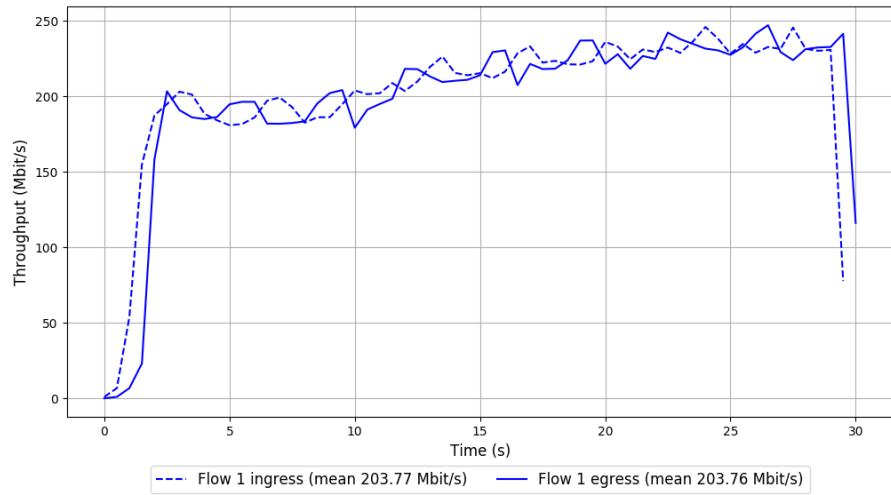


Run 10: Statistics of Indigo

```
Start at: 2018-05-30 10:31:08
End at: 2018-05-30 10:31:38
Local clock offset: 0.529 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.76 Mbit/s
95th percentile per-packet one-way delay: 87.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.76 Mbit/s
95th percentile per-packet one-way delay: 87.269 ms
Loss rate: 0.00%
```

## Run 10: Report of Indigo — Data Link

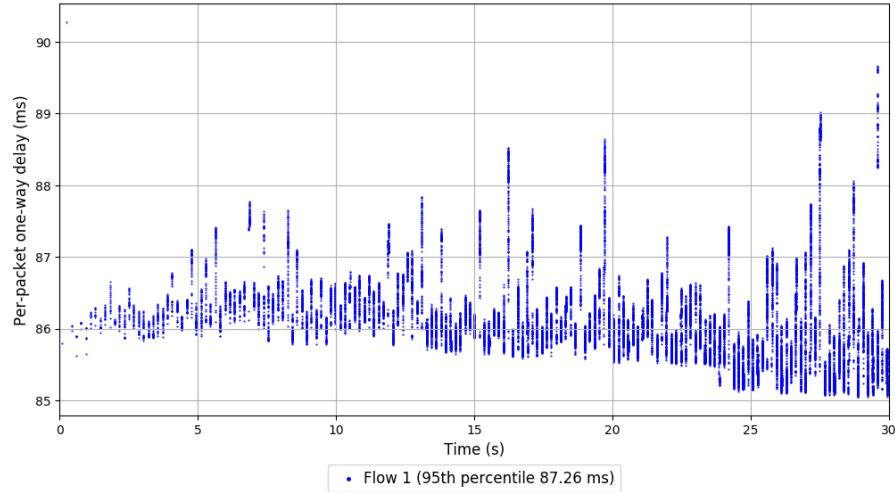
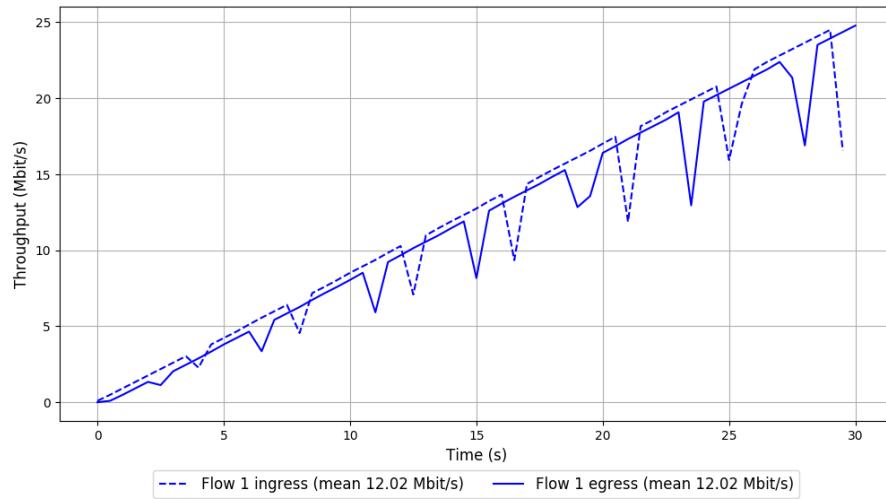


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-30 07:31:05
End at: 2018-05-30 07:31:35
Local clock offset: 17.998 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.256 ms
Loss rate: 0.00%
```

## Run 1: Report of LEDBAT — Data Link

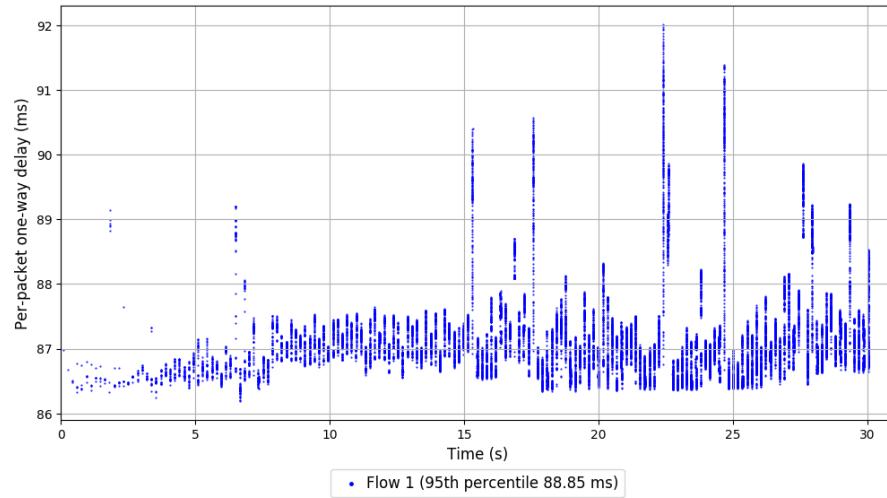
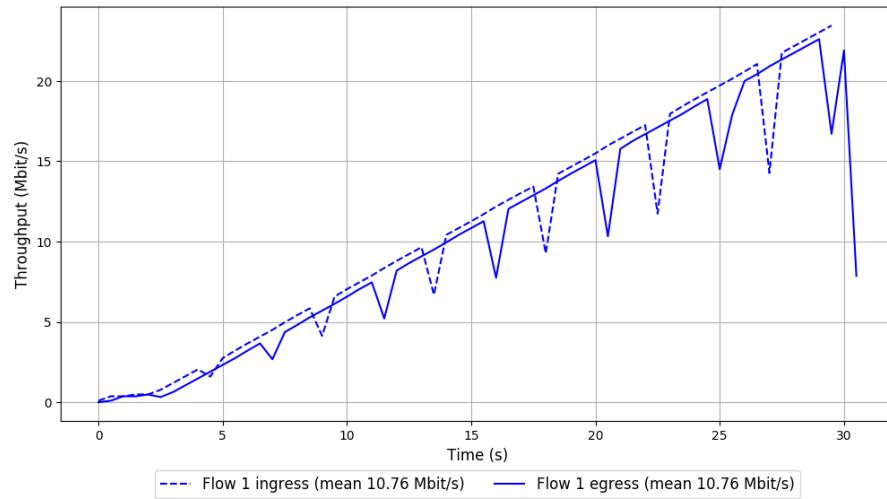


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-30 07:52:01
End at: 2018-05-30 07:52:31
Local clock offset: 15.714 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 88.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 88.846 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

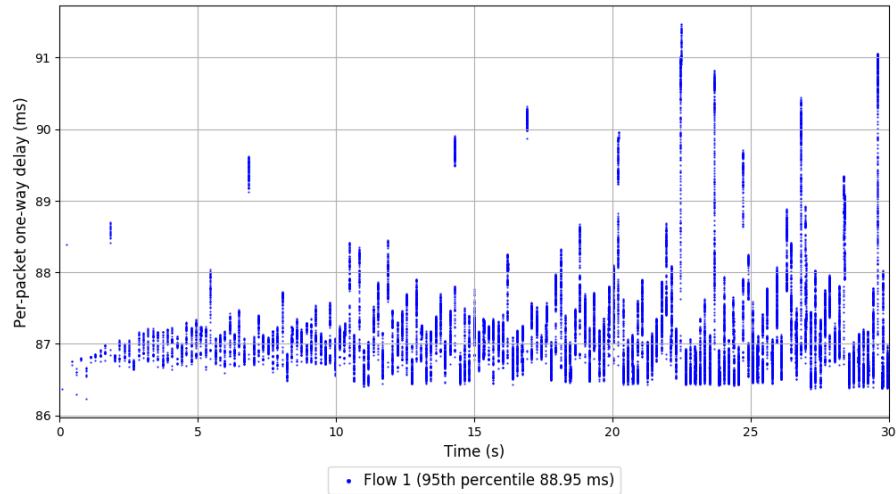
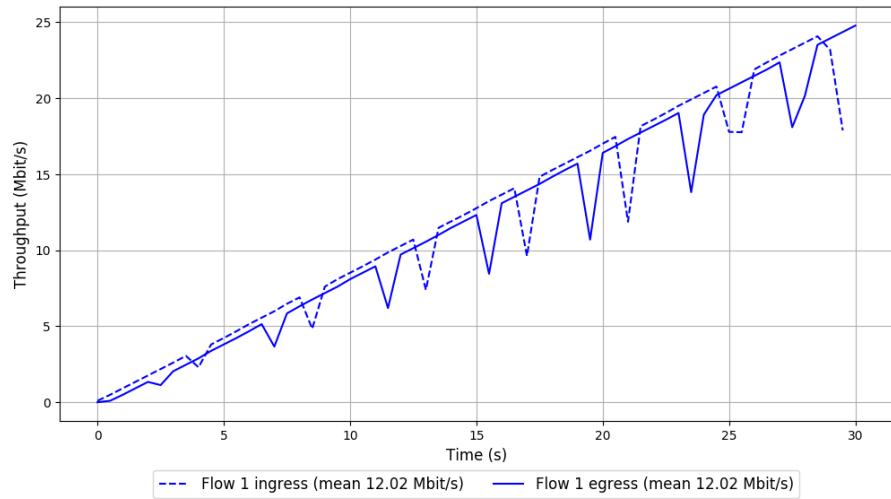


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-30 08:12:42
End at: 2018-05-30 08:13:12
Local clock offset: 6.513 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 88.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 88.952 ms
Loss rate: 0.00%
```

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

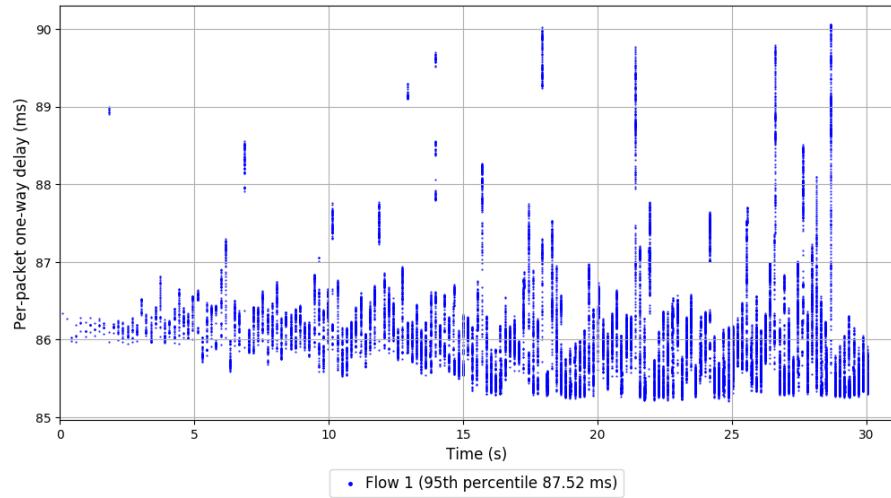
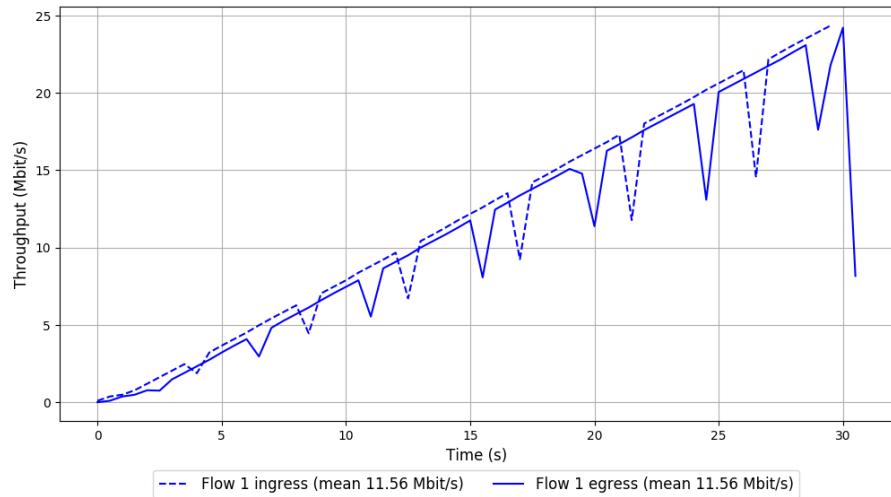


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-30 08:33:43
End at: 2018-05-30 08:34:14
Local clock offset: 6.839 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 87.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 87.517 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link

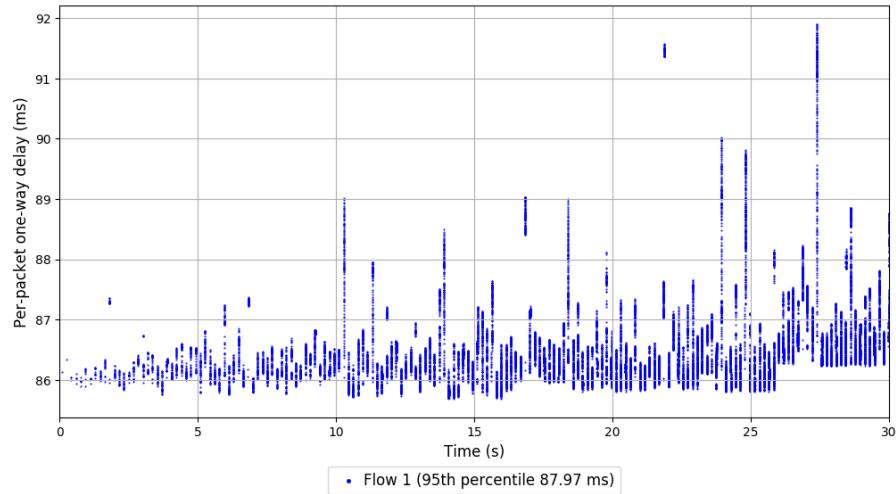
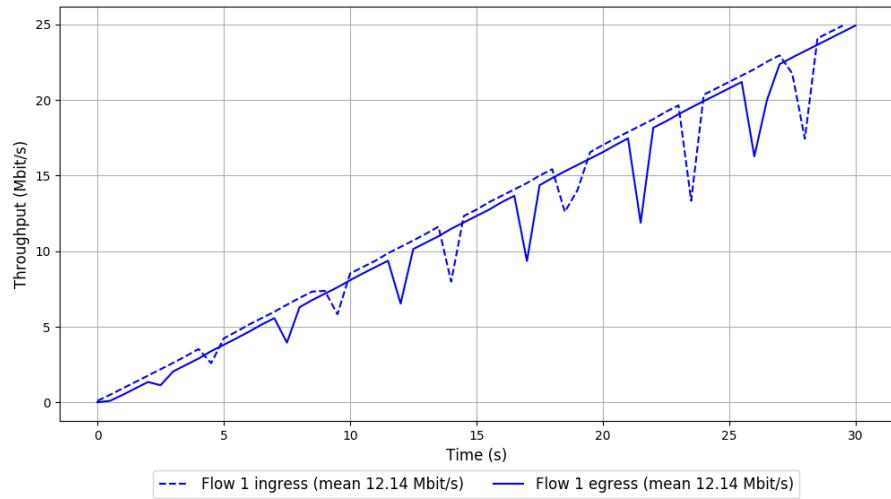


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-30 08:54:43
End at: 2018-05-30 08:55:13
Local clock offset: 1.976 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 87.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 87.969 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

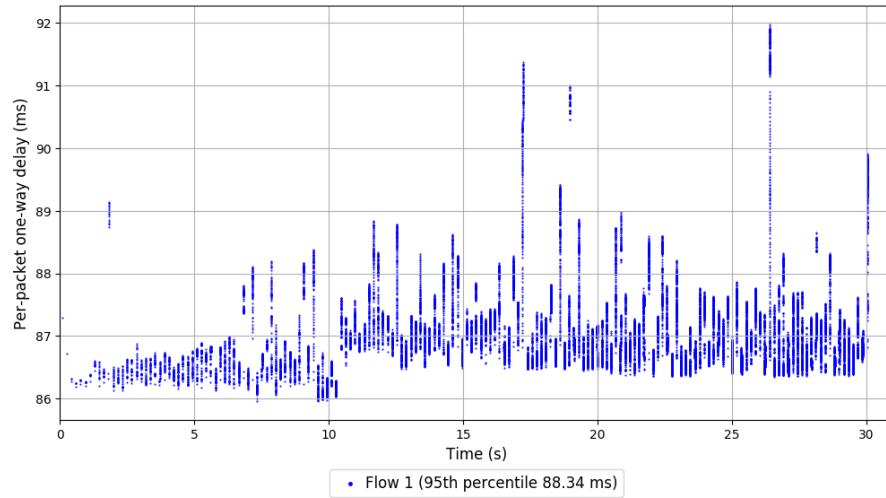
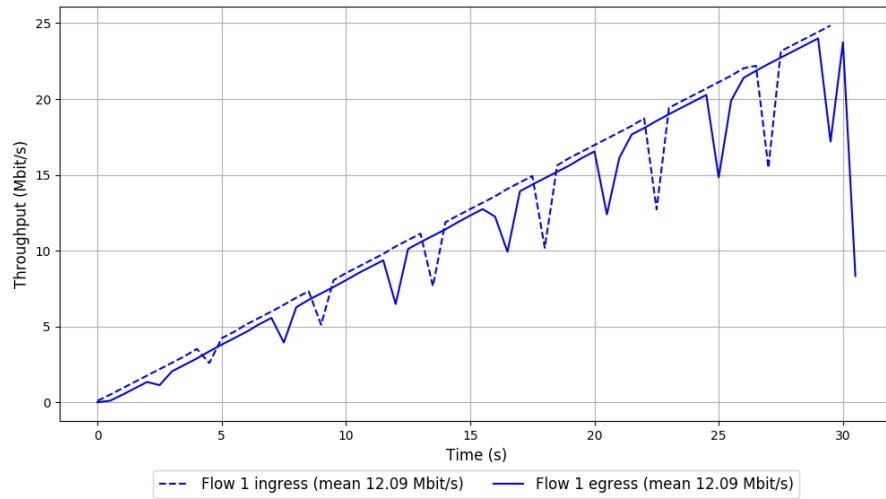


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-30 09:15:38
End at: 2018-05-30 09:16:08
Local clock offset: 0.733 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 88.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 88.338 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

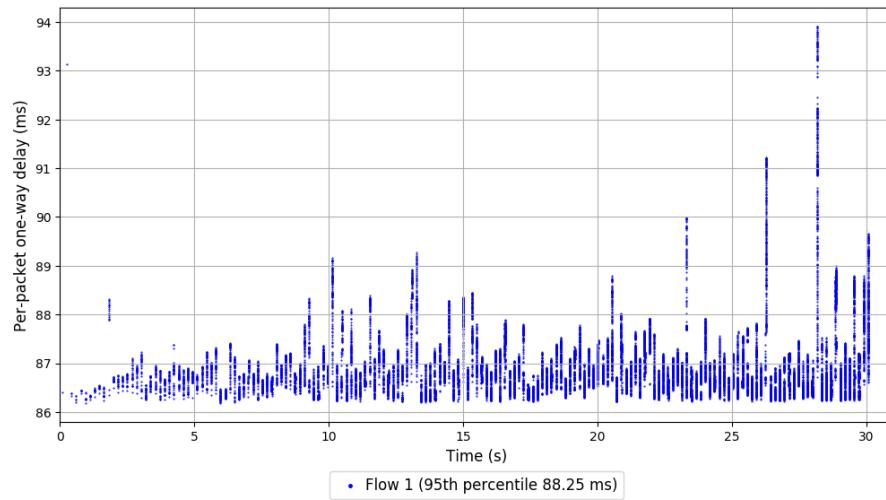
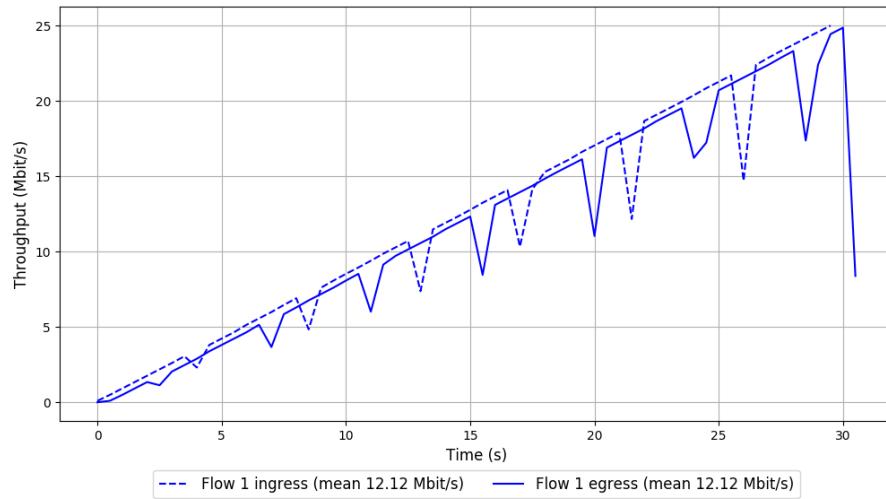


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-30 09:36:21
End at: 2018-05-30 09:36:51
Local clock offset: 0.815 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 88.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 88.248 ms
Loss rate: 0.00%
```

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

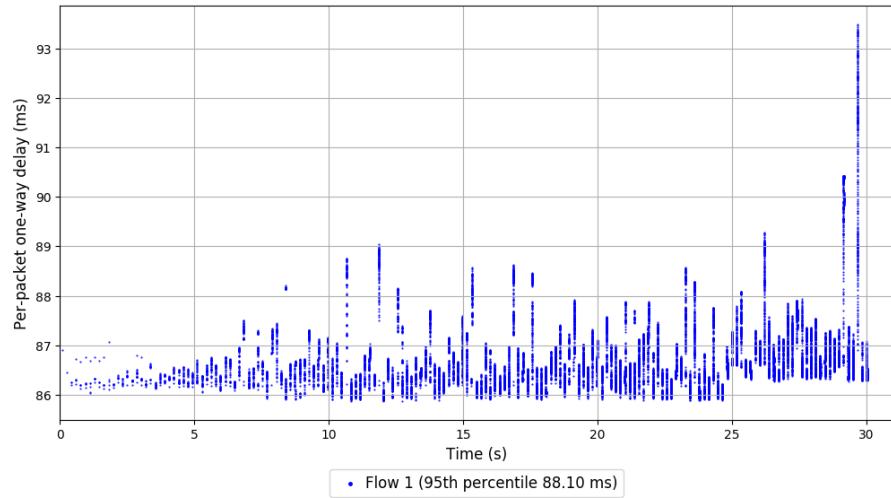
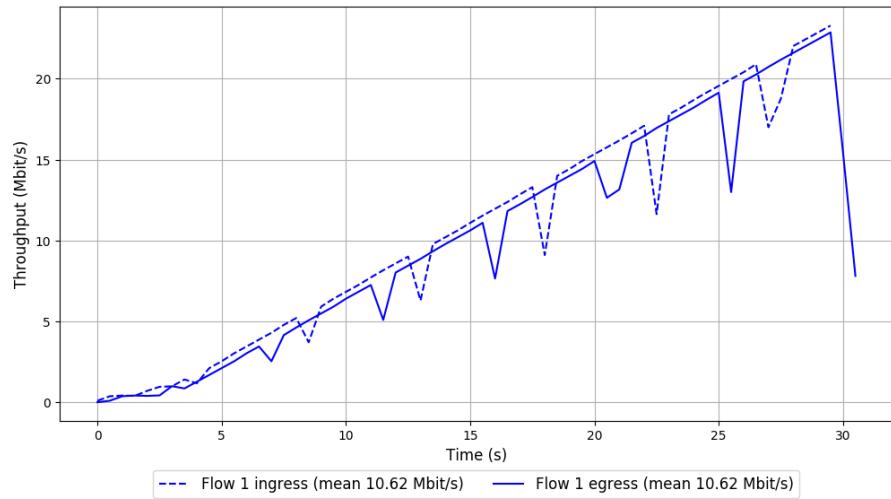


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-30 09:57:04
End at: 2018-05-30 09:57:34
Local clock offset: 0.356 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 88.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 88.098 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

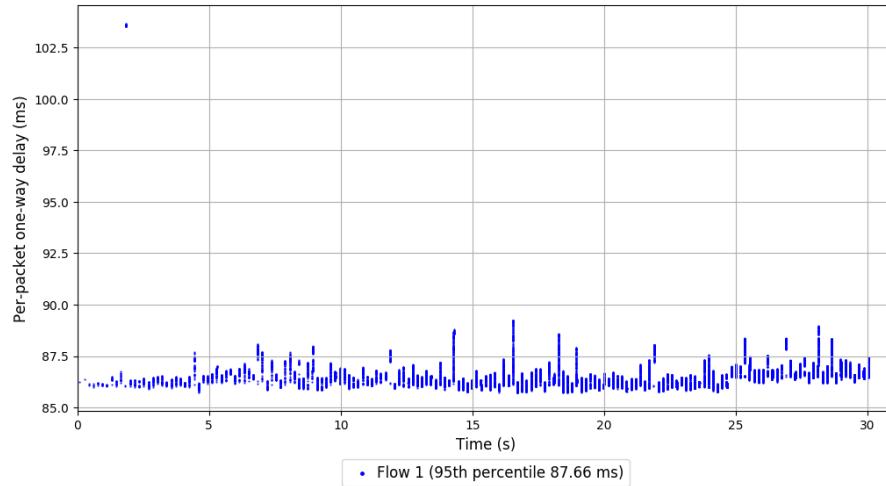
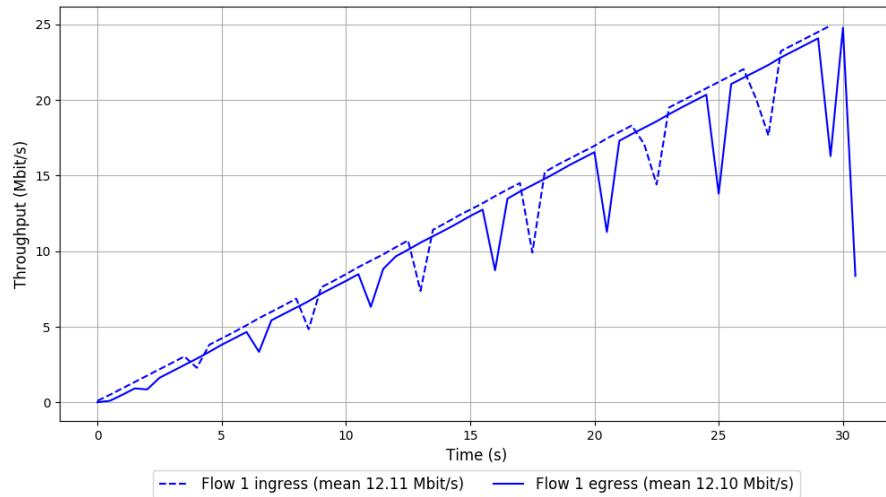


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-30 10:17:54
End at: 2018-05-30 10:18:24
Local clock offset: 0.595 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 87.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 87.659 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

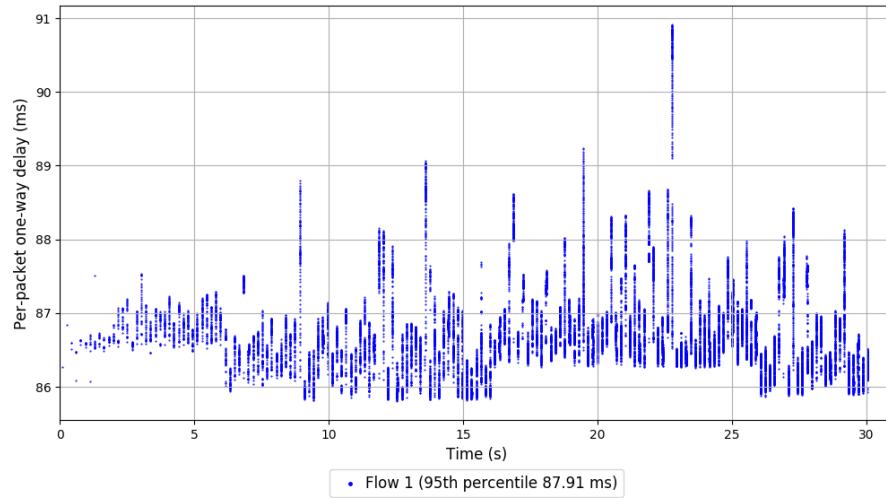
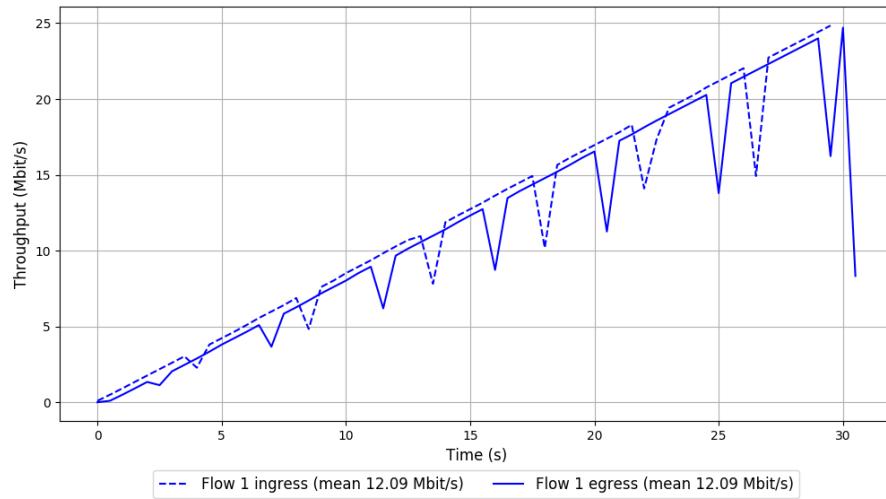


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-30 10:39:03
End at: 2018-05-30 10:39:33
Local clock offset: 0.782 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 87.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 87.908 ms
Loss rate: 0.00%
```

## Run 10: Report of LEDBAT — Data Link

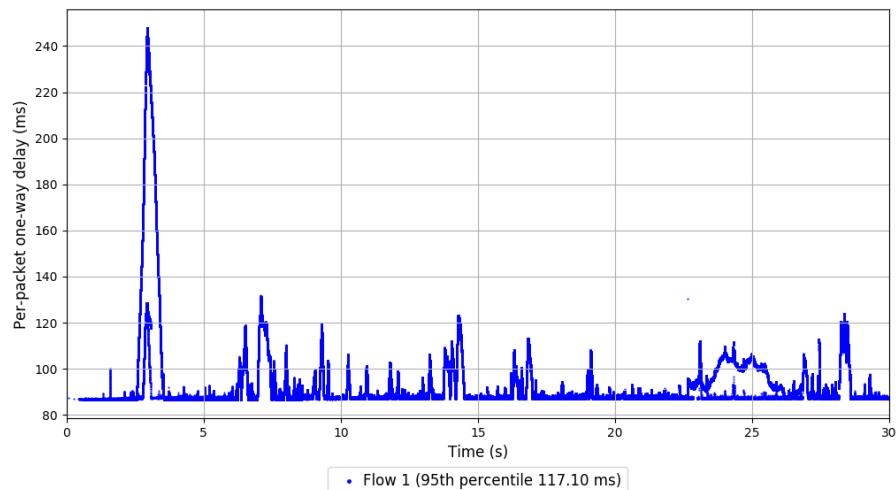
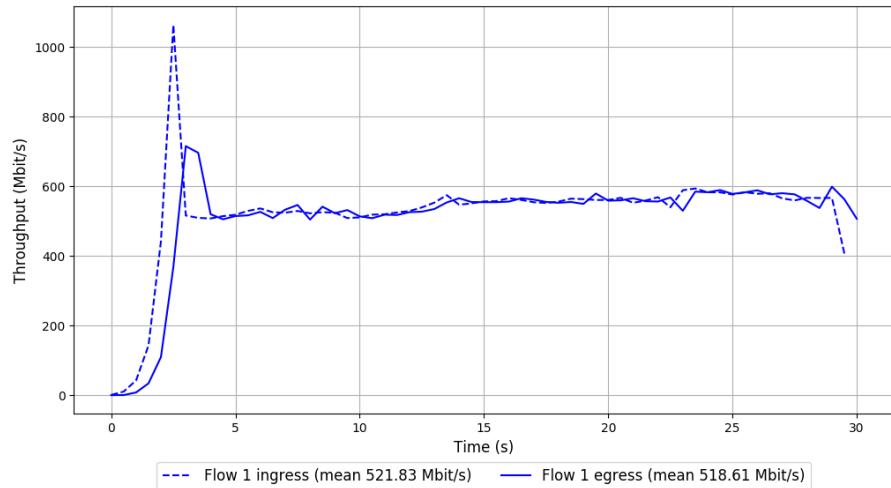


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-05-30 07:18:00
End at: 2018-05-30 07:18:30
Local clock offset: 30.22 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-05-30 11:36:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 518.61 Mbit/s
95th percentile per-packet one-way delay: 117.096 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 518.61 Mbit/s
95th percentile per-packet one-way delay: 117.096 ms
Loss rate: 0.62%
```

Run 1: Report of PCC-Allegro — Data Link

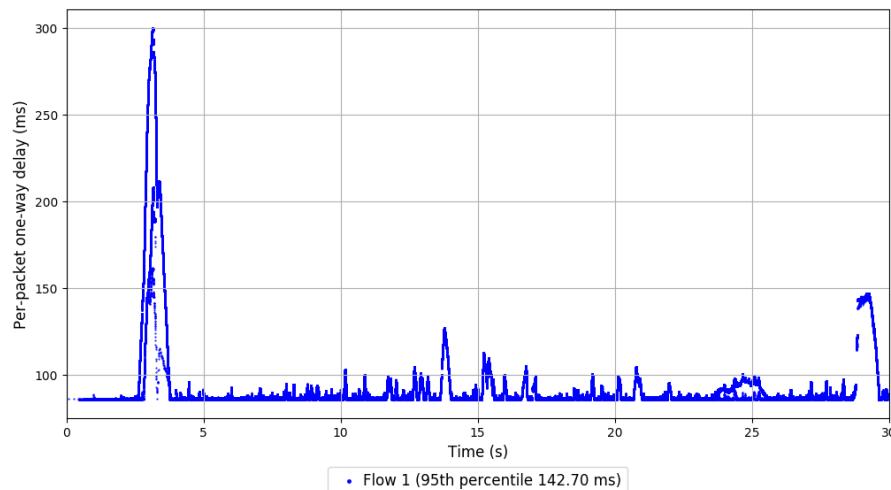
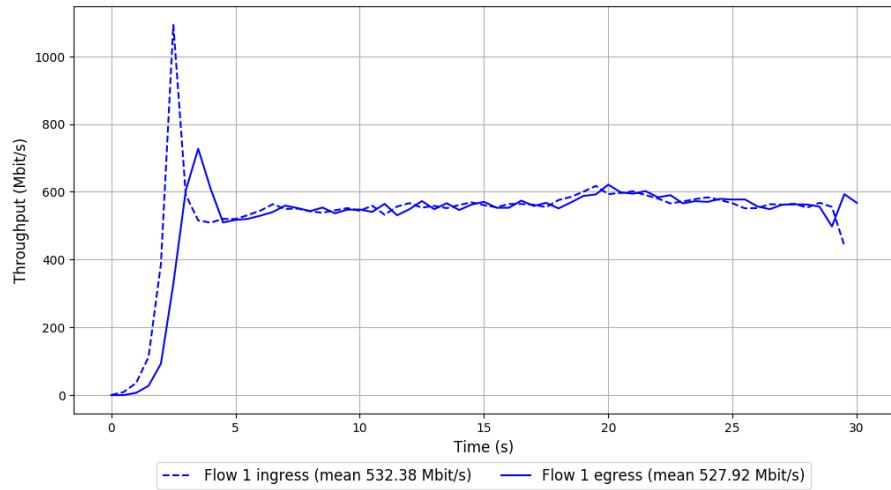


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-30 07:38:56
End at: 2018-05-30 07:39:26
Local clock offset: 13.623 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-05-30 11:36:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 527.92 Mbit/s
95th percentile per-packet one-way delay: 142.699 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 527.92 Mbit/s
95th percentile per-packet one-way delay: 142.699 ms
Loss rate: 0.83%
```

Run 2: Report of PCC-Allegro — Data Link

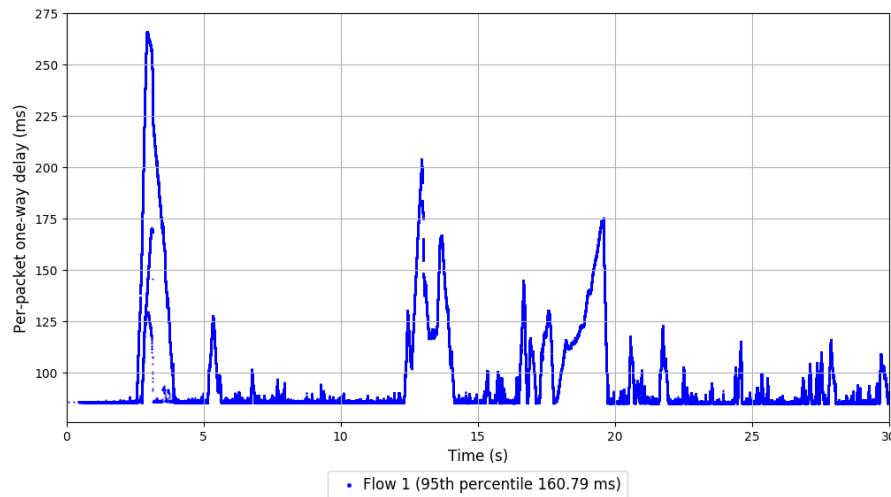
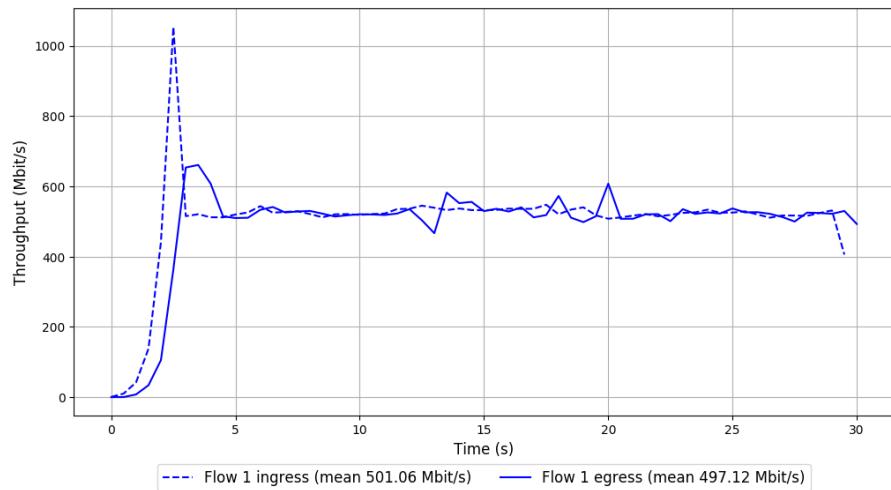


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-30 07:59:48
End at: 2018-05-30 08:00:18
Local clock offset: 14.181 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-05-30 11:36:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 497.12 Mbit/s
95th percentile per-packet one-way delay: 160.790 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 497.12 Mbit/s
95th percentile per-packet one-way delay: 160.790 ms
Loss rate: 0.79%
```

Run 3: Report of PCC-Allegro — Data Link

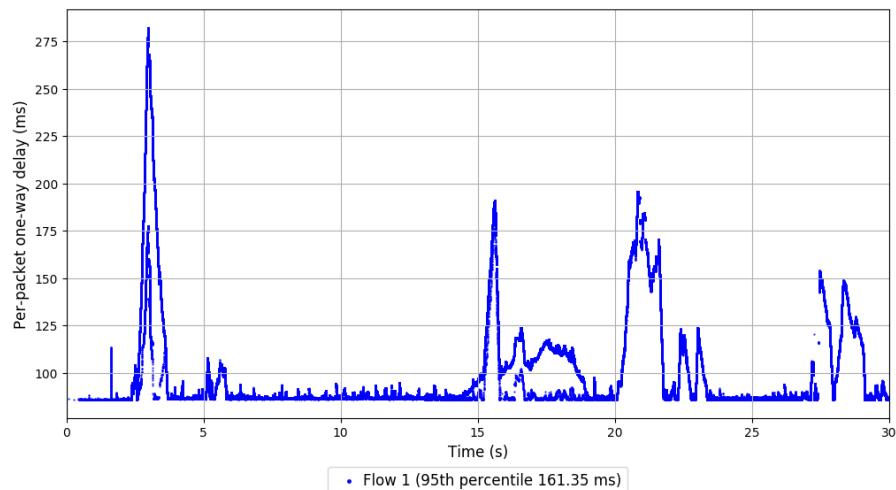
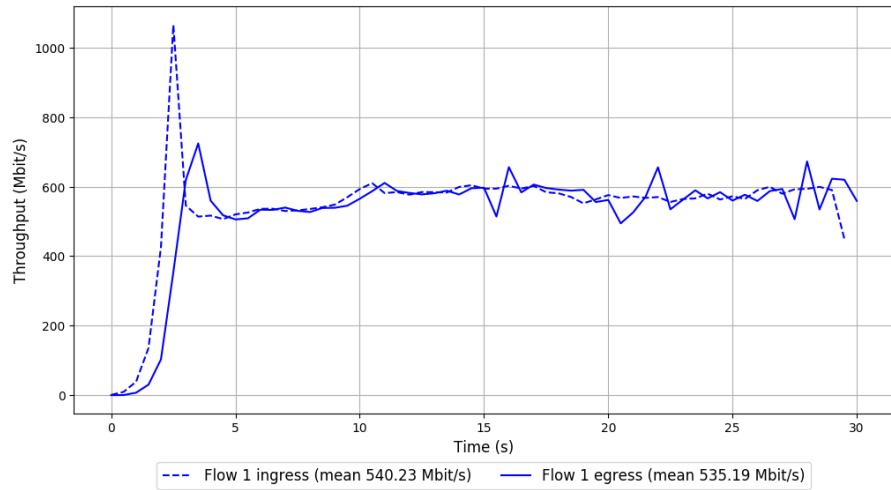


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-30 08:20:35
End at: 2018-05-30 08:21:05
Local clock offset: 6.713 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-30 11:37:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 535.19 Mbit/s
95th percentile per-packet one-way delay: 161.354 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 535.19 Mbit/s
95th percentile per-packet one-way delay: 161.354 ms
Loss rate: 0.93%
```

Run 4: Report of PCC-Allegro — Data Link

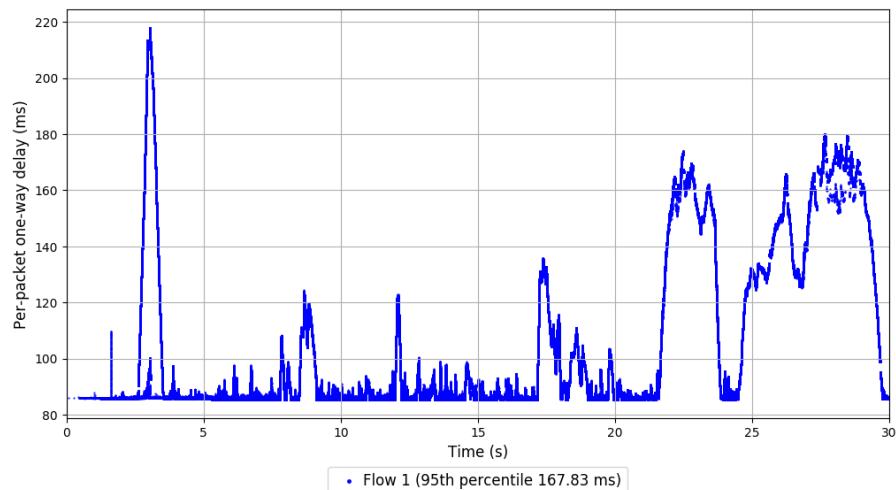
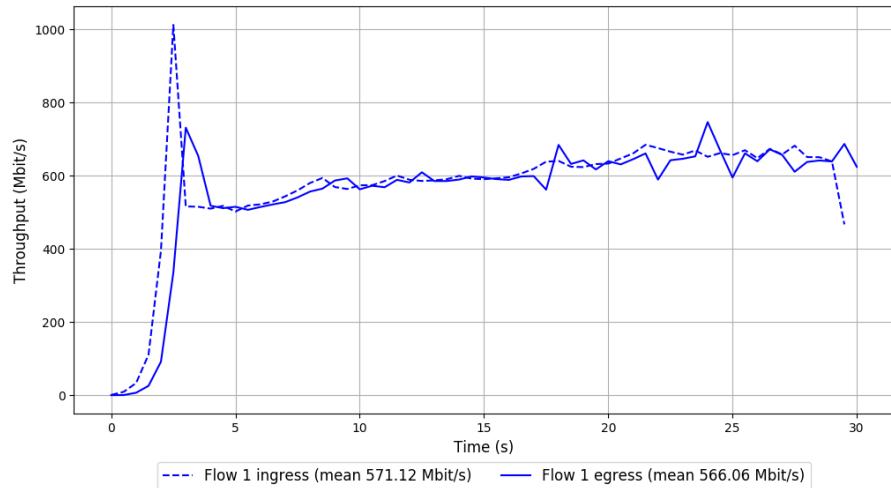


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-30 08:41:43
End at: 2018-05-30 08:42:13
Local clock offset: 3.519 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-05-30 11:37:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 566.06 Mbit/s
95th percentile per-packet one-way delay: 167.832 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 566.06 Mbit/s
95th percentile per-packet one-way delay: 167.832 ms
Loss rate: 0.89%
```

Run 5: Report of PCC-Allegro — Data Link

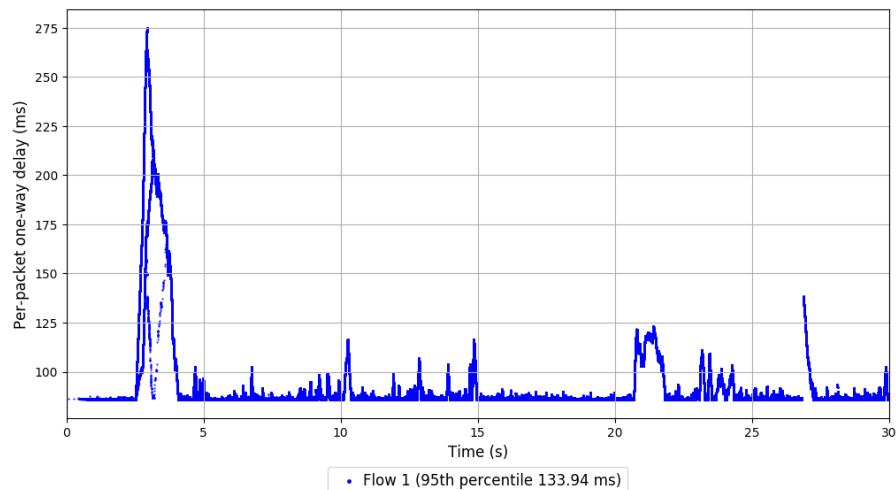
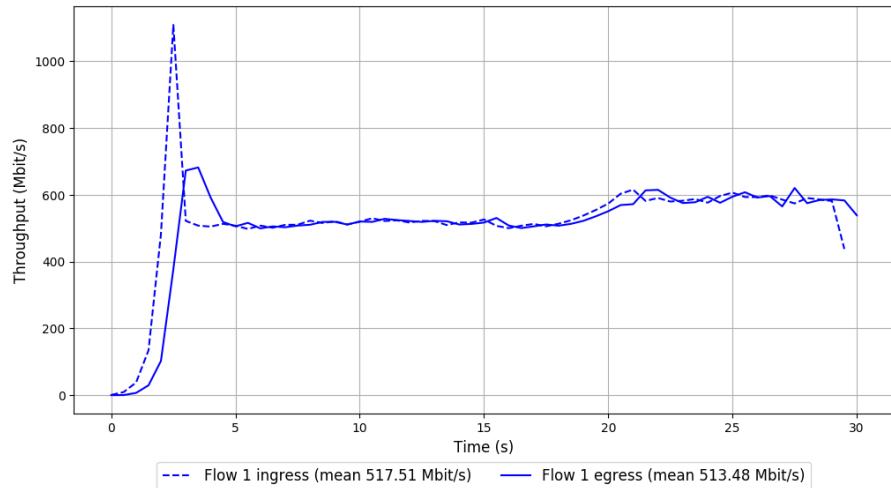


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:02:40
End at: 2018-05-30 09:03:10
Local clock offset: 1.912 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-05-30 11:37:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 513.48 Mbit/s
95th percentile per-packet one-way delay: 133.938 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 513.48 Mbit/s
95th percentile per-packet one-way delay: 133.938 ms
Loss rate: 0.78%
```

Run 6: Report of PCC-Allegro — Data Link

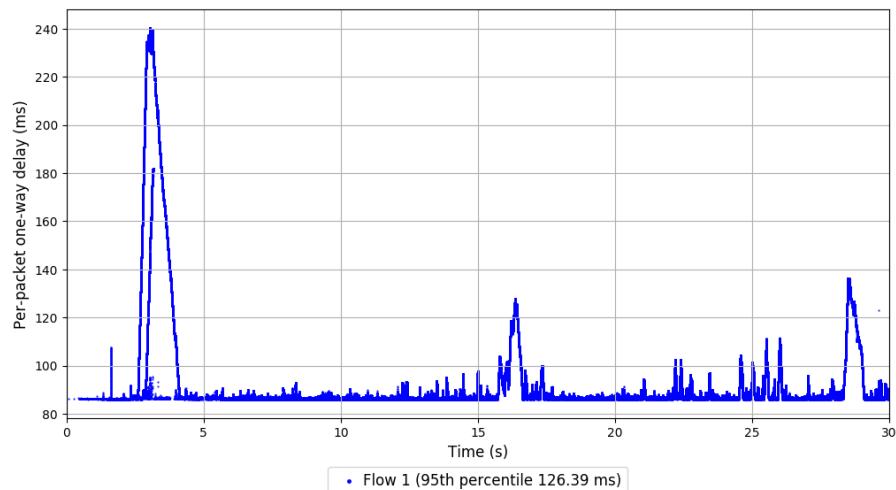
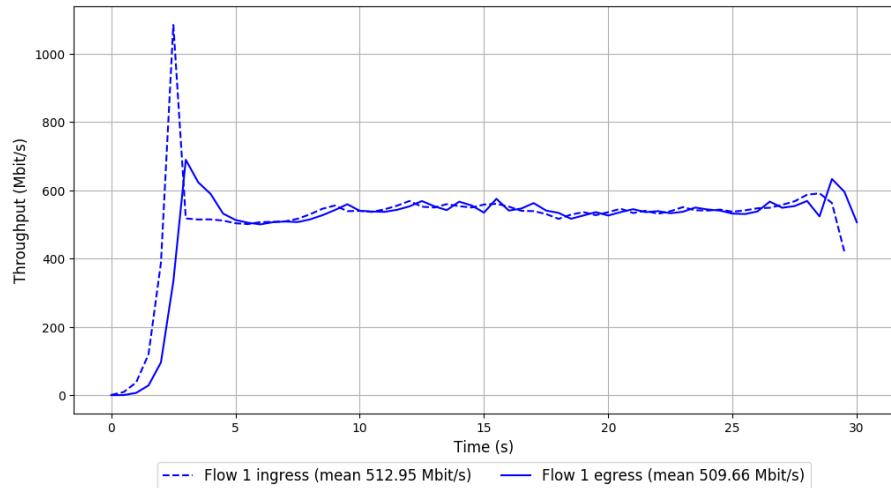


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:23:33
End at: 2018-05-30 09:24:03
Local clock offset: 0.671 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-05-30 11:43:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 509.66 Mbit/s
95th percentile per-packet one-way delay: 126.390 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 509.66 Mbit/s
95th percentile per-packet one-way delay: 126.390 ms
Loss rate: 0.64%
```

Run 7: Report of PCC-Allegro — Data Link

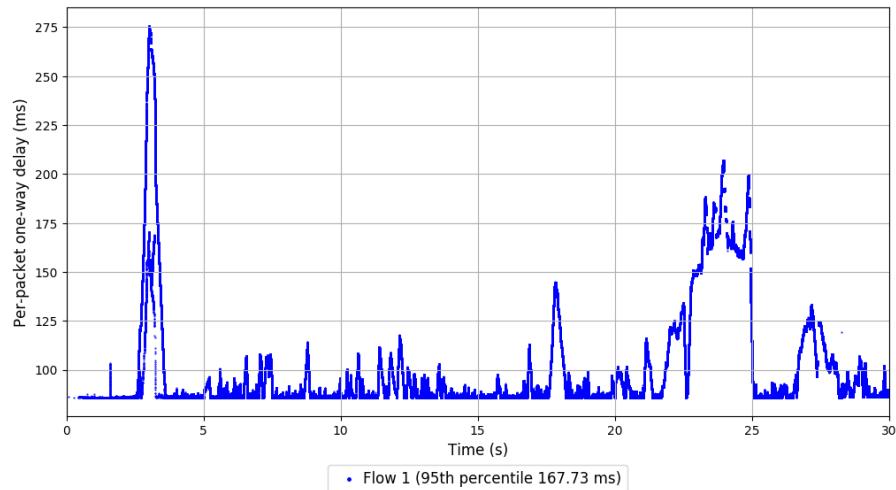
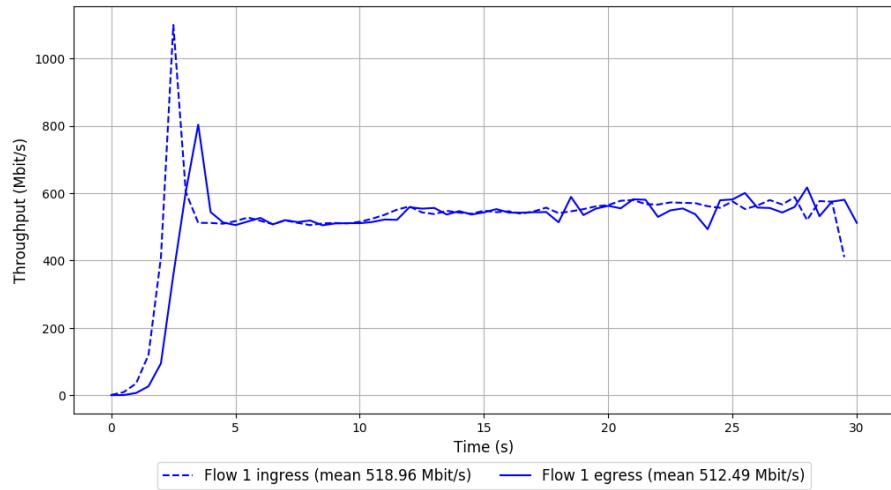


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-30 09:44:10
End at: 2018-05-30 09:44:40
Local clock offset: 0.581 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-05-30 11:44:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 512.49 Mbit/s
95th percentile per-packet one-way delay: 167.734 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 512.49 Mbit/s
95th percentile per-packet one-way delay: 167.734 ms
Loss rate: 1.24%
```

Run 8: Report of PCC-Allegro — Data Link

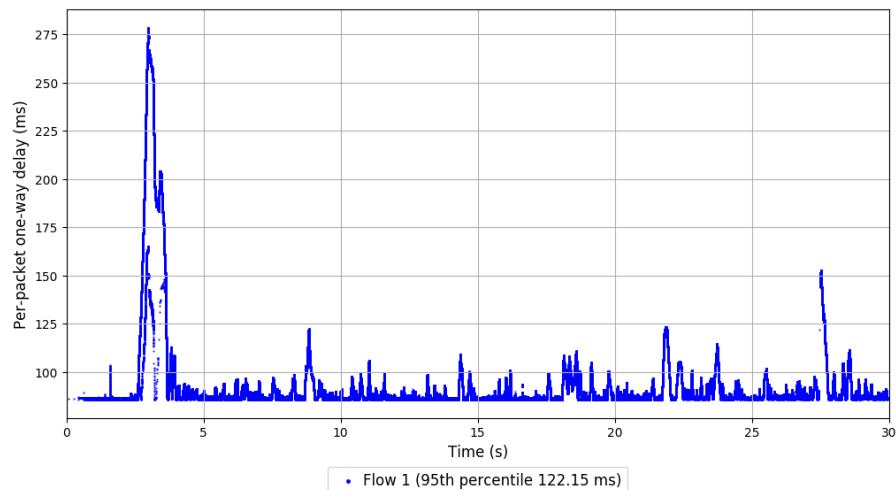
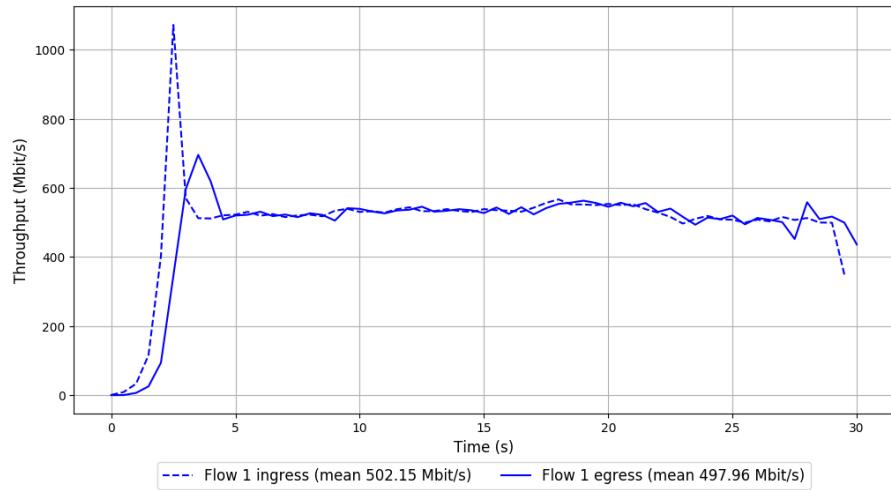


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-30 10:04:57
End at: 2018-05-30 10:05:27
Local clock offset: 0.625 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-05-30 11:44:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 497.96 Mbit/s
95th percentile per-packet one-way delay: 122.154 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 497.96 Mbit/s
95th percentile per-packet one-way delay: 122.154 ms
Loss rate: 0.83%
```

Run 9: Report of PCC-Allegro — Data Link

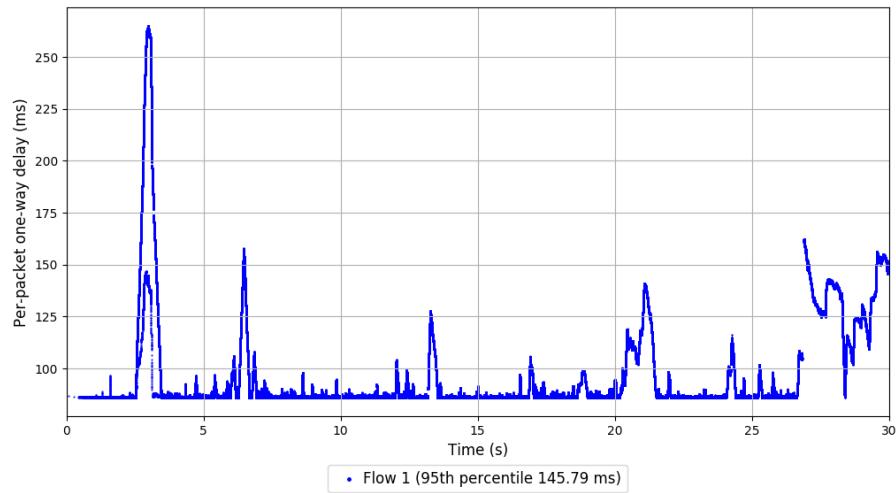
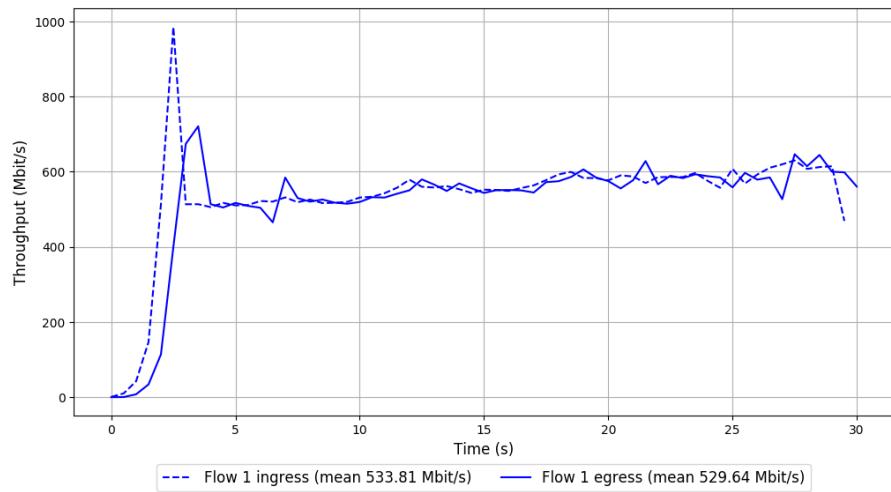


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-30 10:25:55
End at: 2018-05-30 10:26:25
Local clock offset: 0.681 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-05-30 11:44:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 529.64 Mbit/s
95th percentile per-packet one-way delay: 145.786 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 529.64 Mbit/s
95th percentile per-packet one-way delay: 145.786 ms
Loss rate: 0.78%
```

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

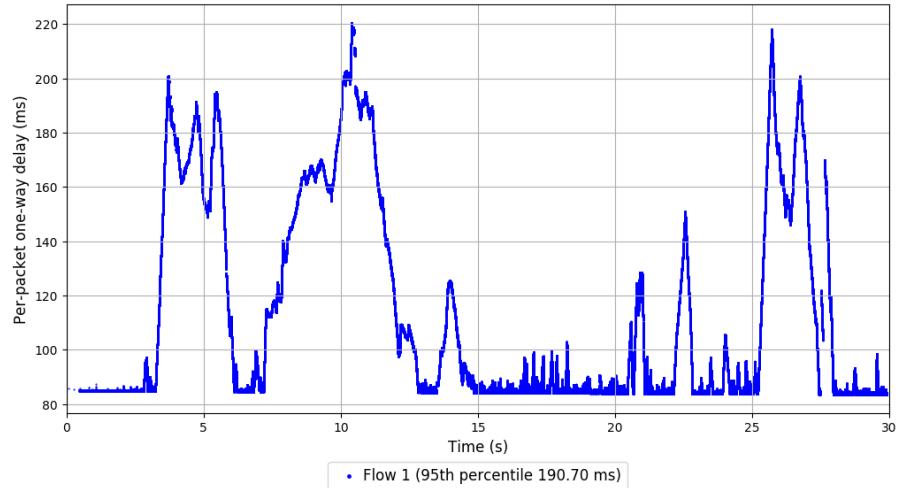
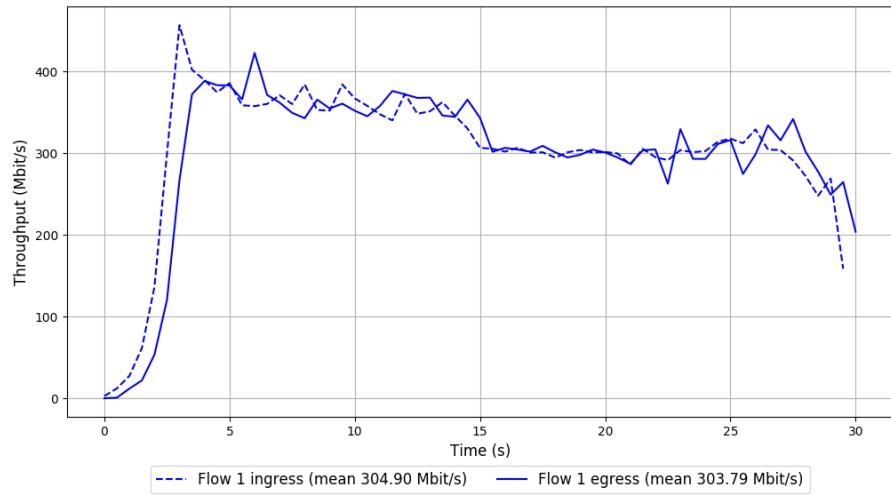


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-30 07:24:28
End at: 2018-05-30 07:24:58
Local clock offset: 30.974 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-05-30 11:45:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 303.79 Mbit/s
95th percentile per-packet one-way delay: 190.699 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 303.79 Mbit/s
95th percentile per-packet one-way delay: 190.699 ms
Loss rate: 0.37%
```

Run 1: Report of PCC-Expr — Data Link

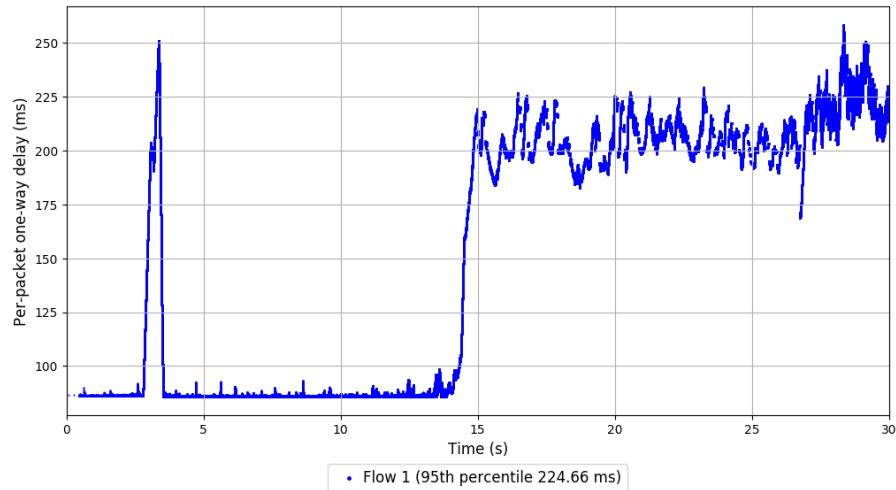
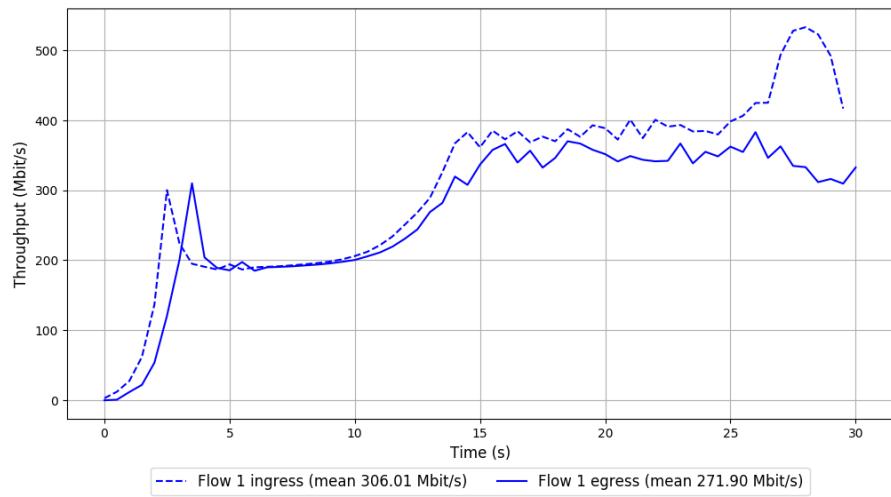


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-30 07:45:26
End at: 2018-05-30 07:45:56
Local clock offset: 13.884 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-05-30 11:45:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.90 Mbit/s
95th percentile per-packet one-way delay: 224.660 ms
Loss rate: 11.14%
-- Flow 1:
Average throughput: 271.90 Mbit/s
95th percentile per-packet one-way delay: 224.660 ms
Loss rate: 11.14%
```

Run 2: Report of PCC-Expr — Data Link

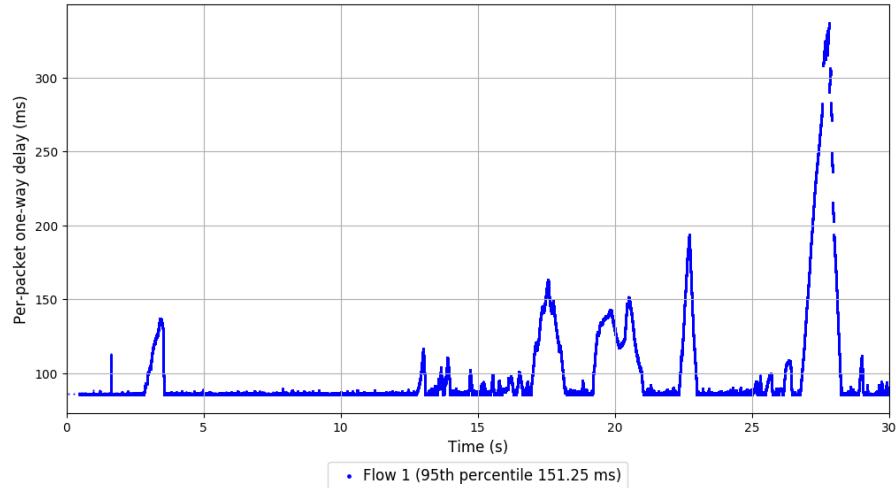
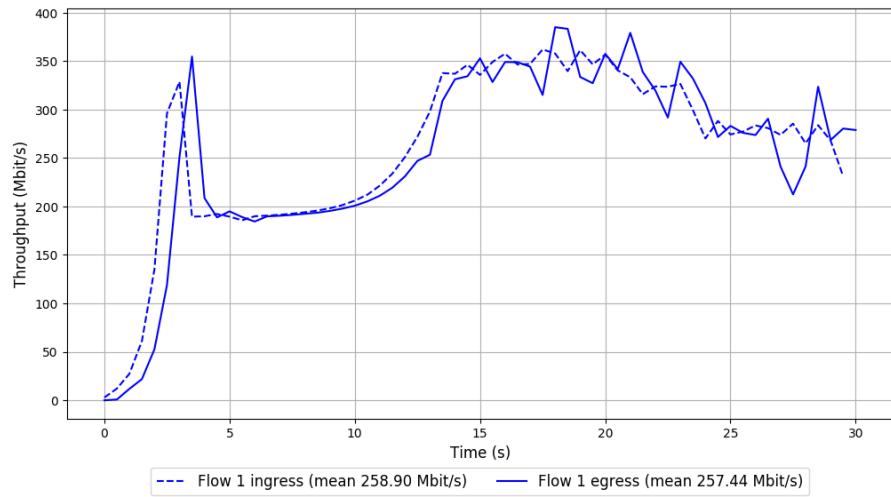


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-30 08:06:18
End at: 2018-05-30 08:06:48
Local clock offset: 8.34 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-05-30 11:45:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.44 Mbit/s
95th percentile per-packet one-way delay: 151.249 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 257.44 Mbit/s
95th percentile per-packet one-way delay: 151.249 ms
Loss rate: 0.57%
```

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

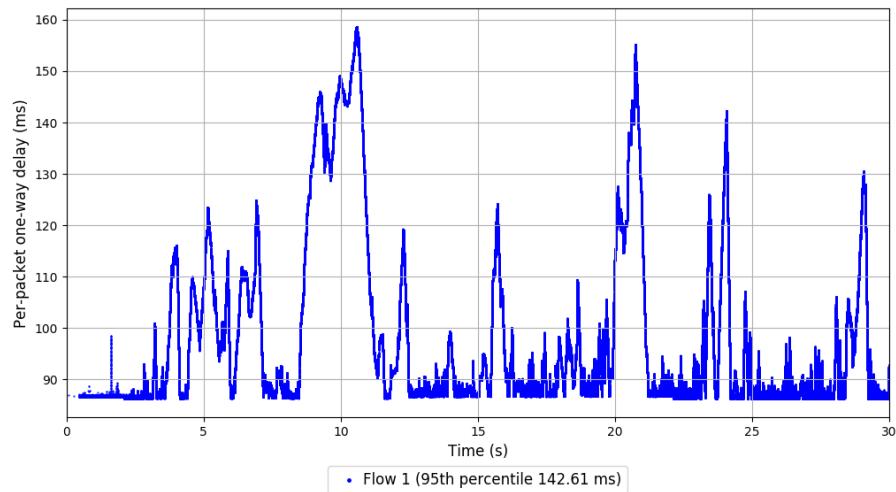
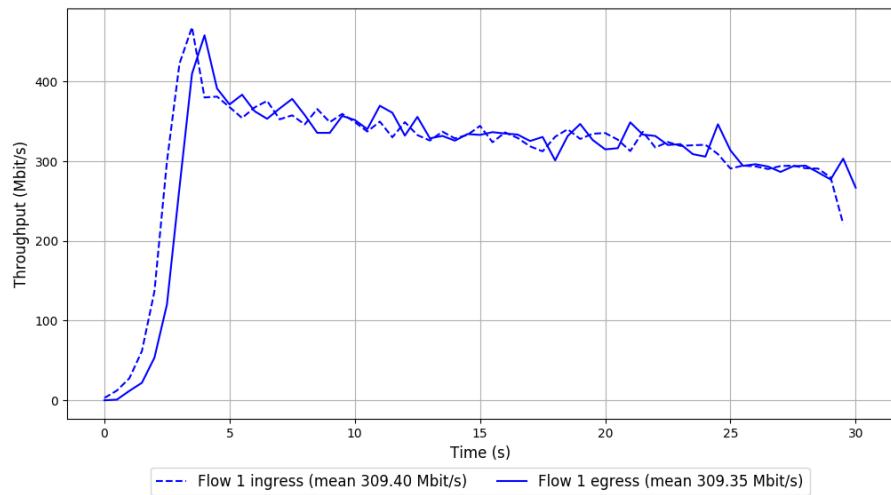


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-30 08:27:06
End at: 2018-05-30 08:27:37
Local clock offset: 7.516 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-30 11:47:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.35 Mbit/s
95th percentile per-packet one-way delay: 142.609 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 309.35 Mbit/s
95th percentile per-packet one-way delay: 142.609 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Expr — Data Link

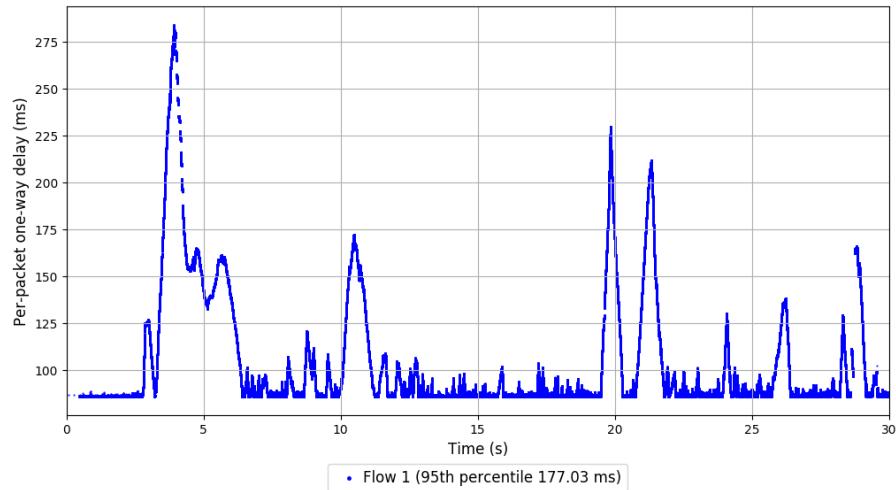
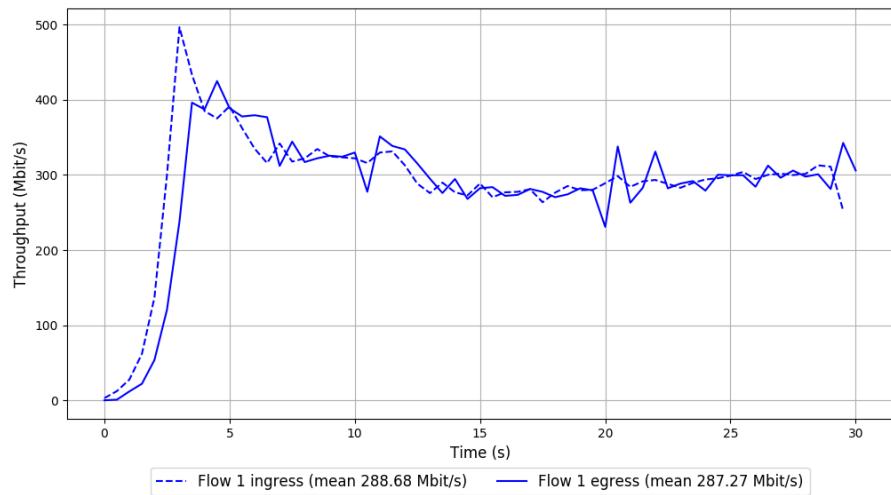


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-30 08:48:14
End at: 2018-05-30 08:48:44
Local clock offset: 1.948 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 287.27 Mbit/s
95th percentile per-packet one-way delay: 177.033 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 287.27 Mbit/s
95th percentile per-packet one-way delay: 177.033 ms
Loss rate: 0.49%
```

Run 5: Report of PCC-Expr — Data Link

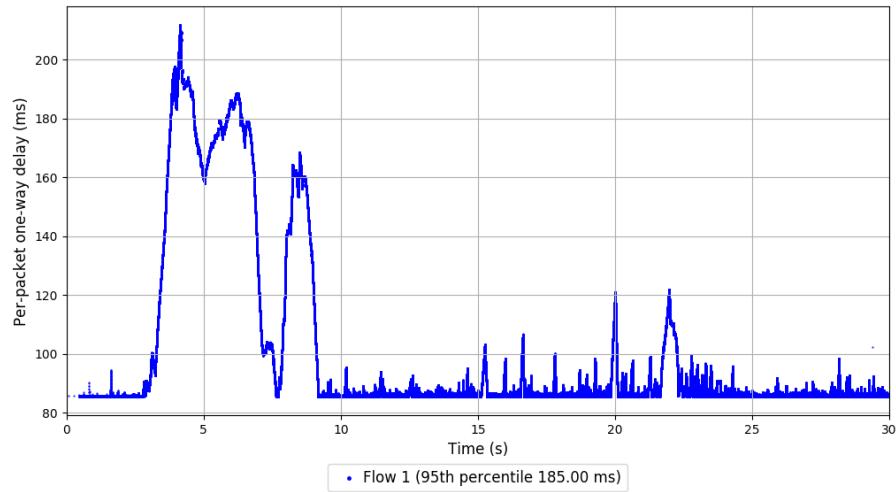
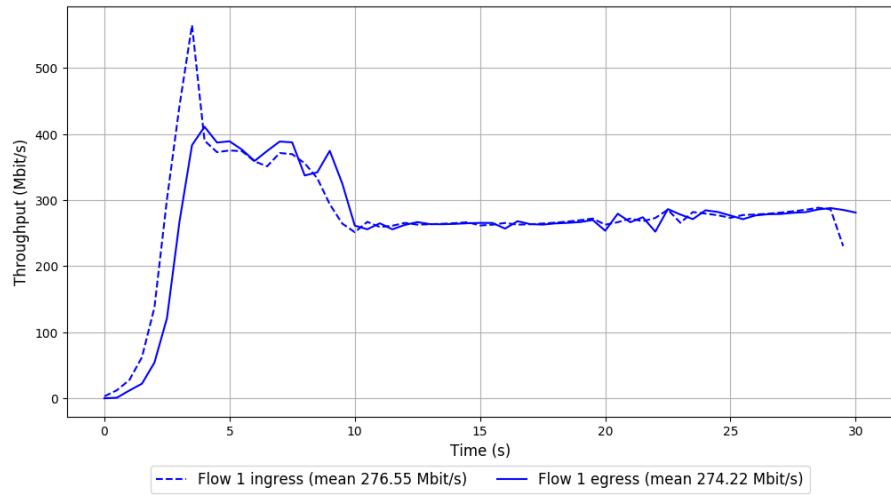


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-30 09:09:07
End at: 2018-05-30 09:09:38
Local clock offset: 1.819 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.22 Mbit/s
95th percentile per-packet one-way delay: 185.002 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 274.22 Mbit/s
95th percentile per-packet one-way delay: 185.002 ms
Loss rate: 0.84%
```

Run 6: Report of PCC-Expr — Data Link

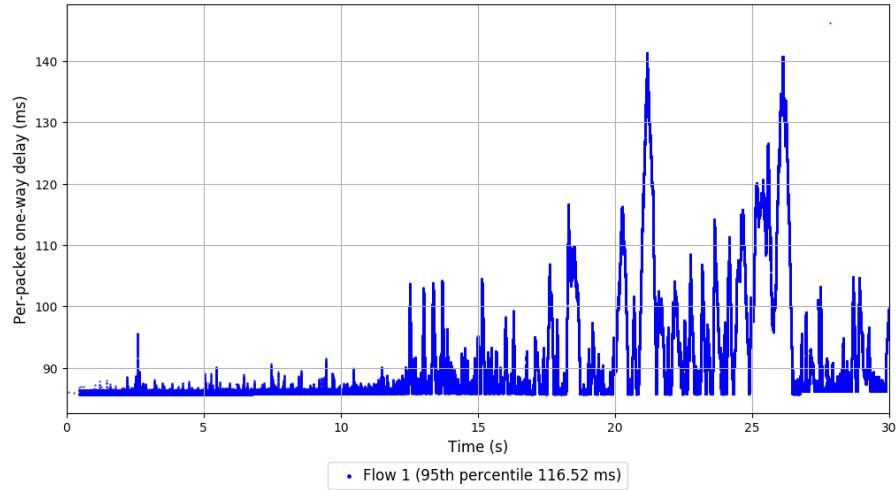
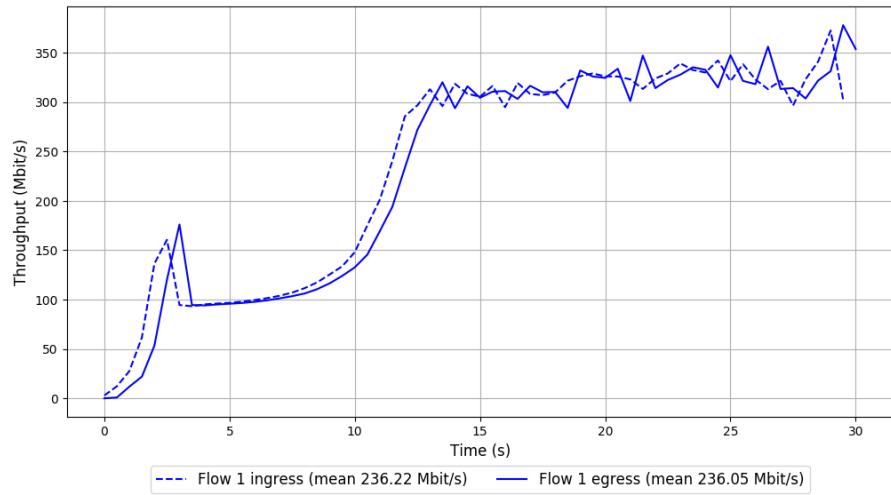


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-30 09:30:02
End at: 2018-05-30 09:30:32
Local clock offset: 0.839 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.05 Mbit/s
95th percentile per-packet one-way delay: 116.520 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 236.05 Mbit/s
95th percentile per-packet one-way delay: 116.520 ms
Loss rate: 0.07%
```

Run 7: Report of PCC-Expr — Data Link

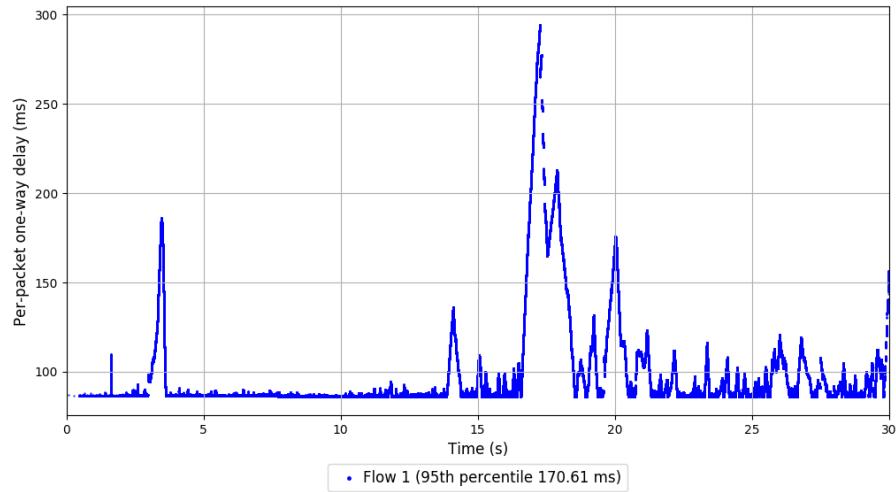
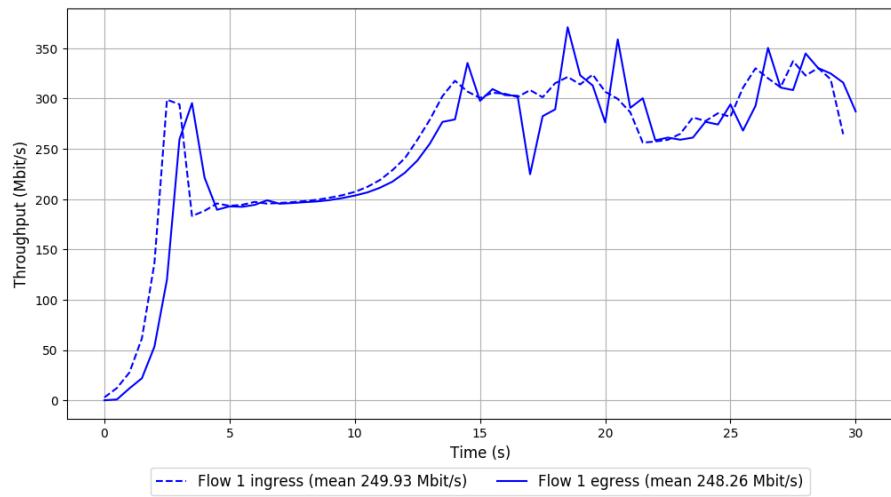


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-30 09:50:41
End at: 2018-05-30 09:51:11
Local clock offset: 0.32 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.26 Mbit/s
95th percentile per-packet one-way delay: 170.610 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 248.26 Mbit/s
95th percentile per-packet one-way delay: 170.610 ms
Loss rate: 0.67%
```

Run 8: Report of PCC-Expr — Data Link

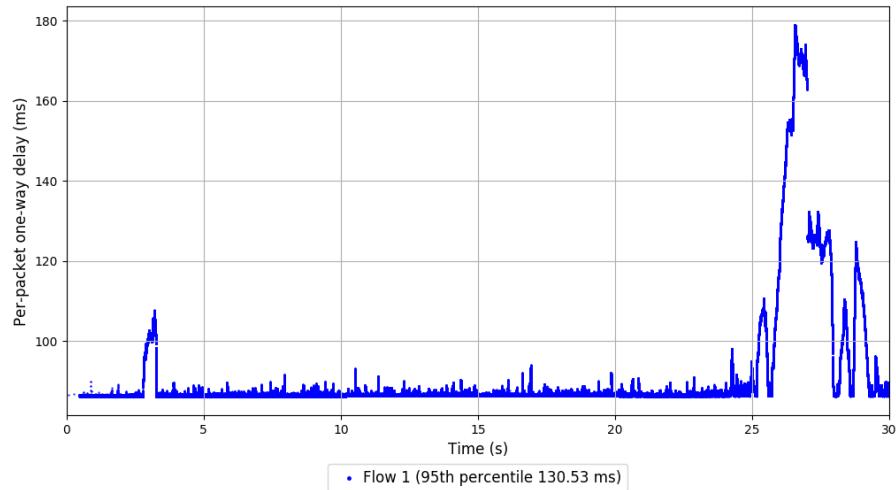
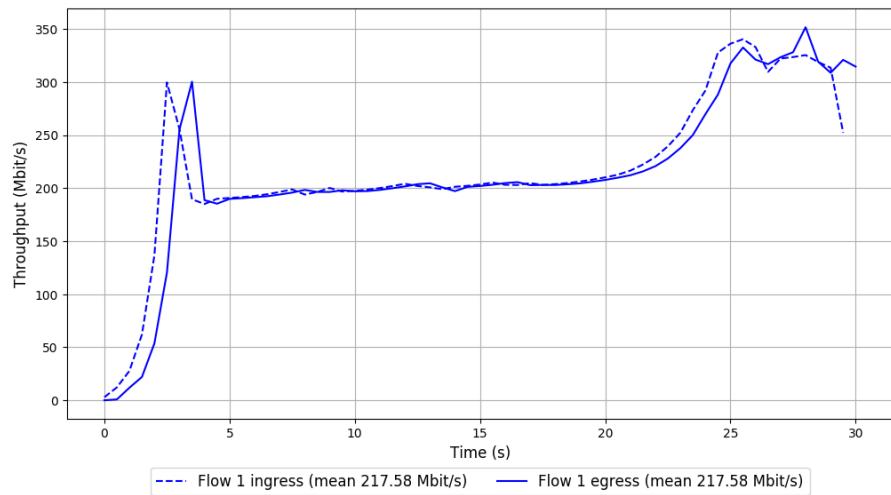


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-30 10:11:28
End at: 2018-05-30 10:11:58
Local clock offset: 0.3 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.58 Mbit/s
95th percentile per-packet one-way delay: 130.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.58 Mbit/s
95th percentile per-packet one-way delay: 130.527 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Expr — Data Link

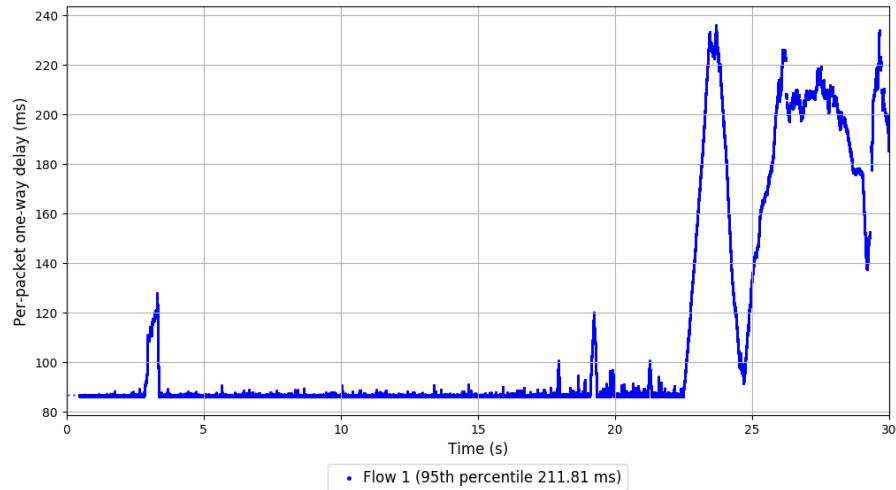
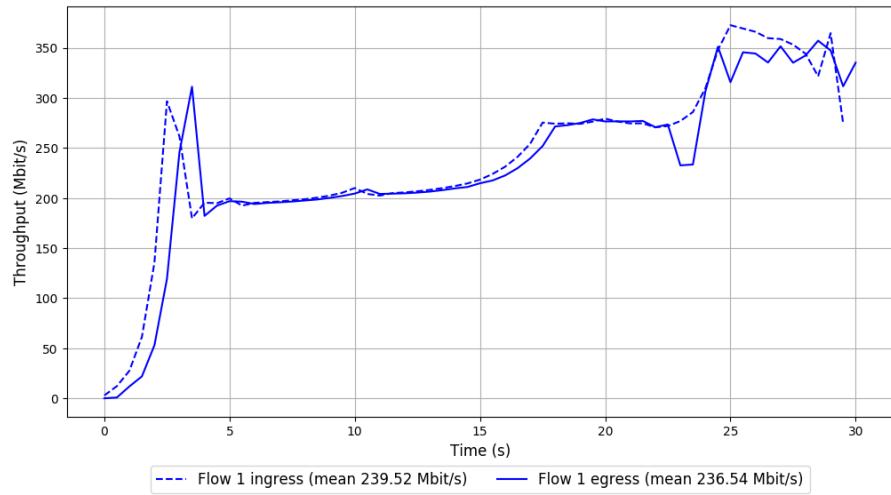


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-30 10:32:29
End at: 2018-05-30 10:32:59
Local clock offset: 0.615 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.54 Mbit/s
95th percentile per-packet one-way delay: 211.809 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 236.54 Mbit/s
95th percentile per-packet one-way delay: 211.809 ms
Loss rate: 1.24%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

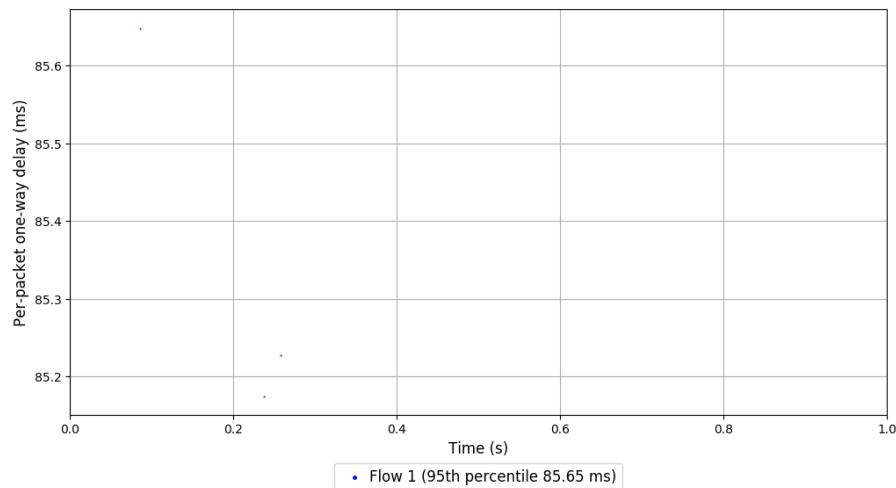
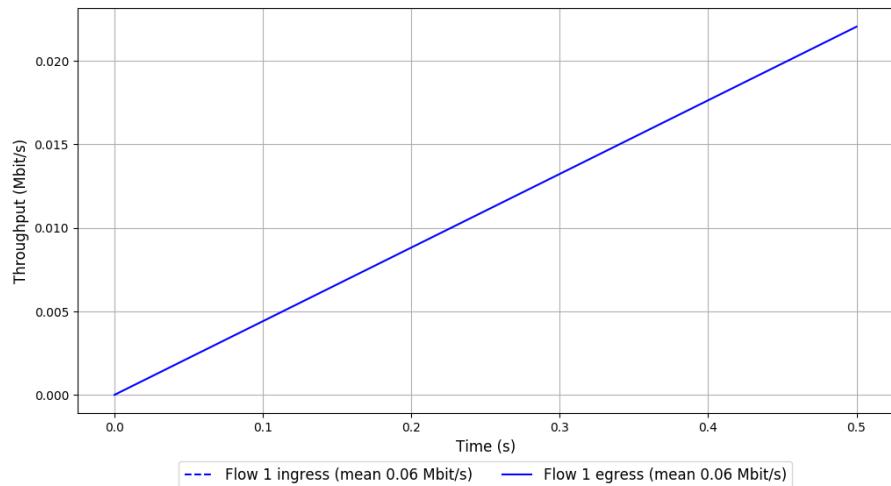
Start at: 2018-05-30 07:27:09

End at: 2018-05-30 07:27:39

Local clock offset: 24.211 ms

Remote clock offset: 0.011 ms

Run 1: Report of QUIC Cubic — Data Link

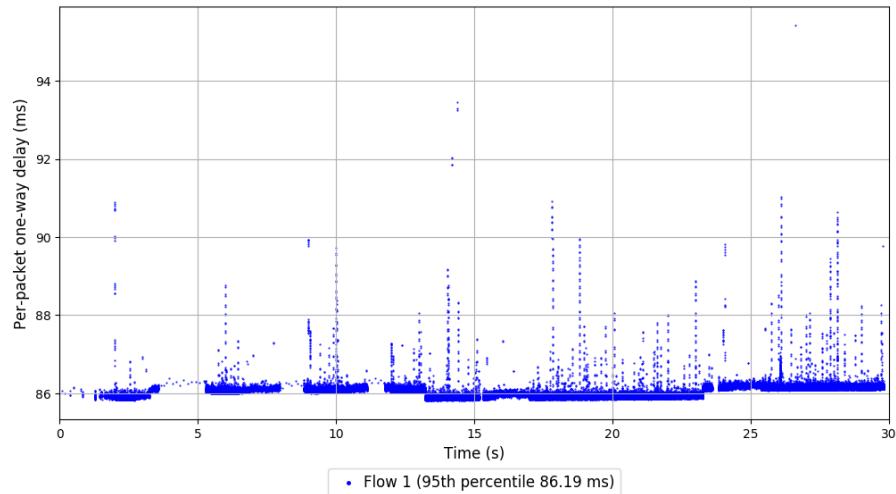
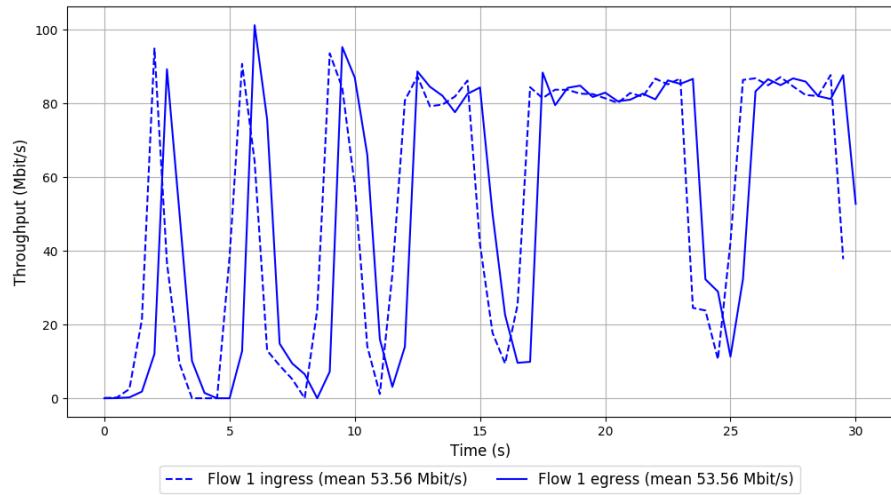


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-30 07:48:05
End at: 2018-05-30 07:48:35
Local clock offset: 14.66 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 86.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 86.189 ms
Loss rate: 0.00%
```

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

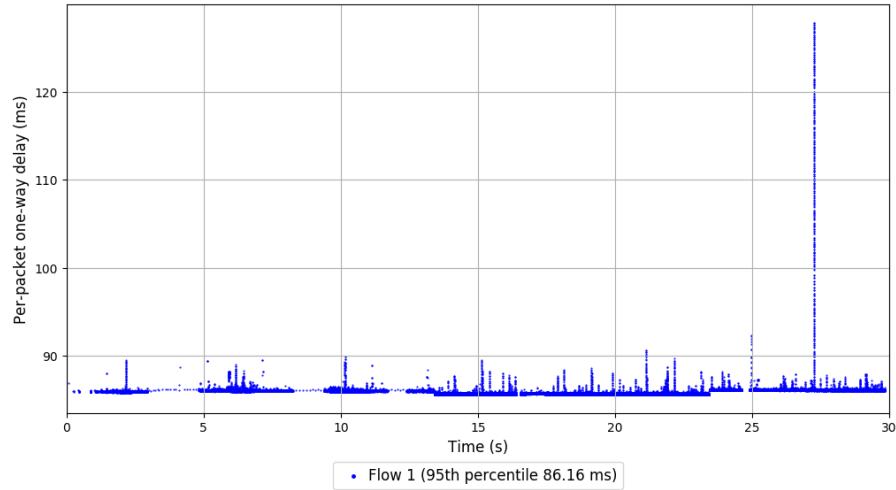
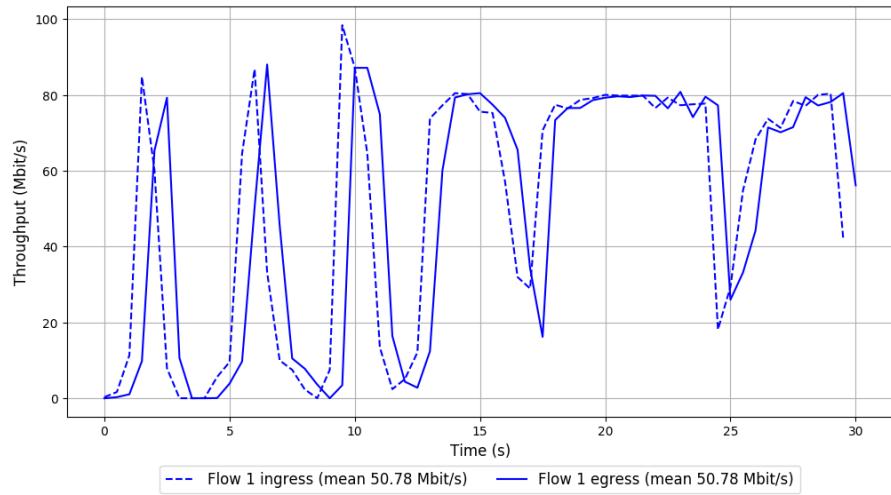


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-30 08:08:55
End at: 2018-05-30 08:09:25
Local clock offset: 7.352 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 86.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 86.160 ms
Loss rate: 0.00%
```

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

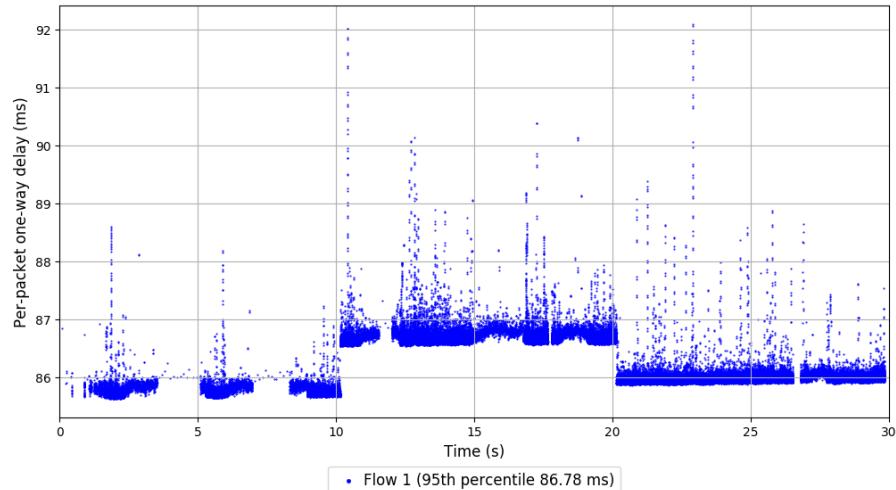
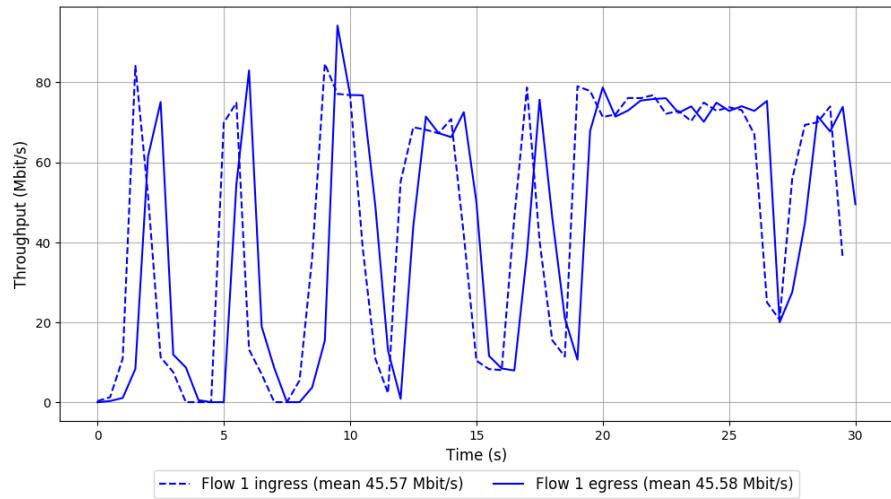


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-30 08:29:48
End at: 2018-05-30 08:30:18
Local clock offset: 8.489 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 86.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 86.779 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

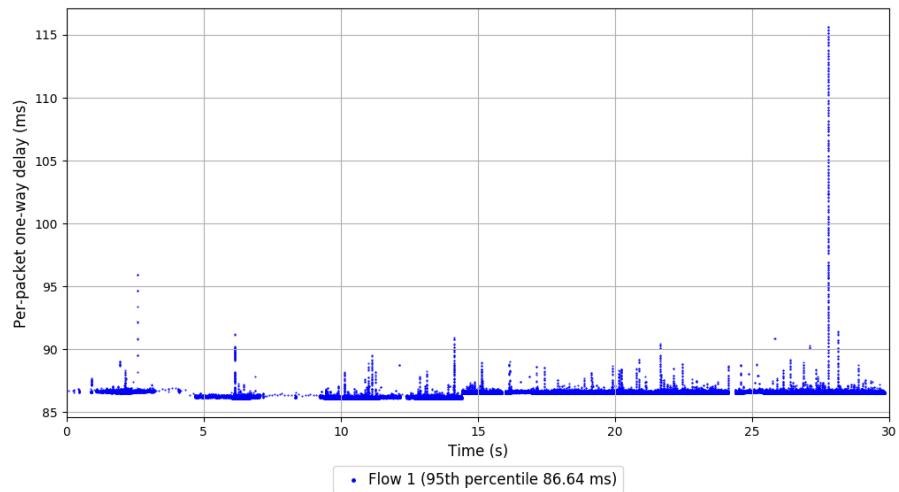
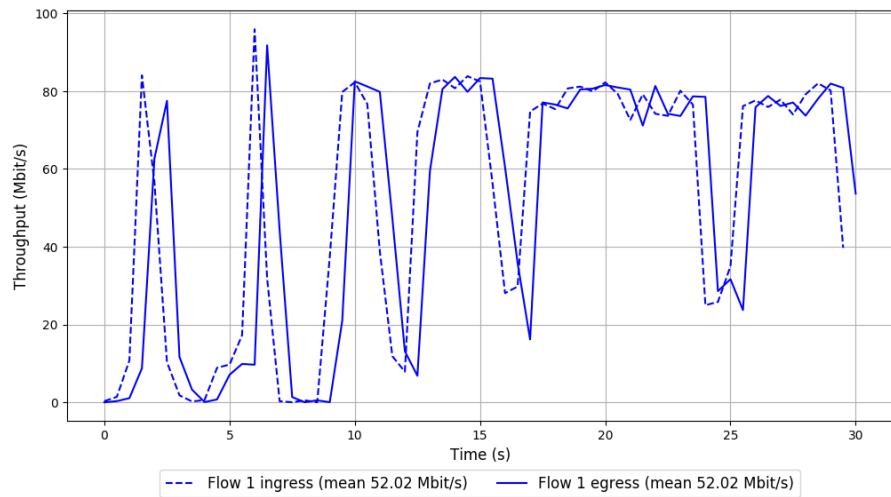


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-30 08:50:54
End at: 2018-05-30 08:51:24
Local clock offset: 1.683 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 86.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 86.640 ms
Loss rate: 0.00%
```

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

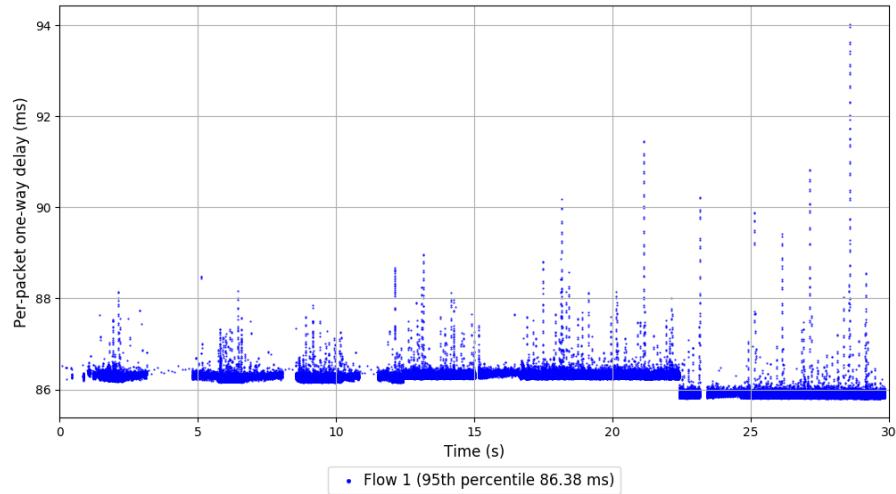
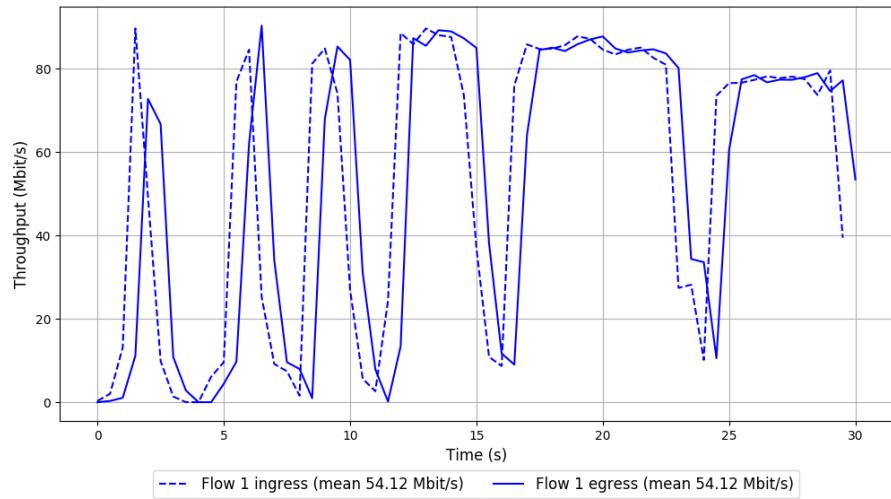


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-30 09:11:46
End at: 2018-05-30 09:12:16
Local clock offset: 1.192 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 86.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 86.377 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

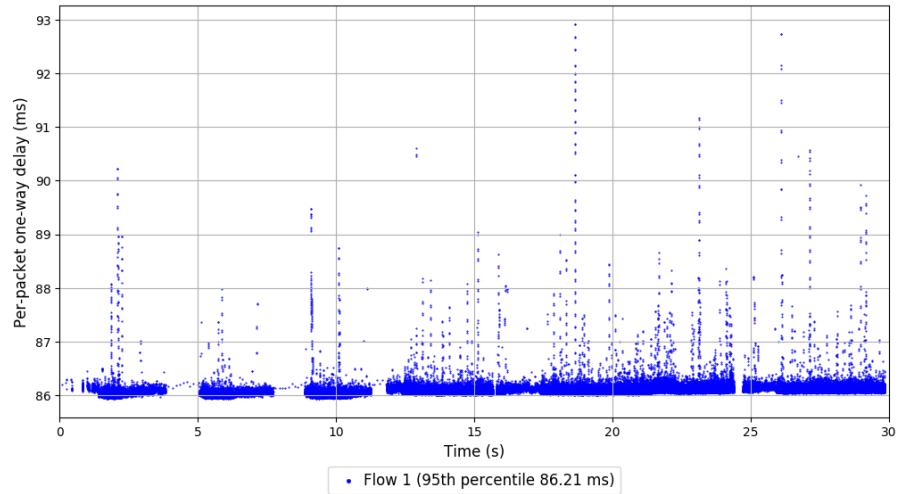
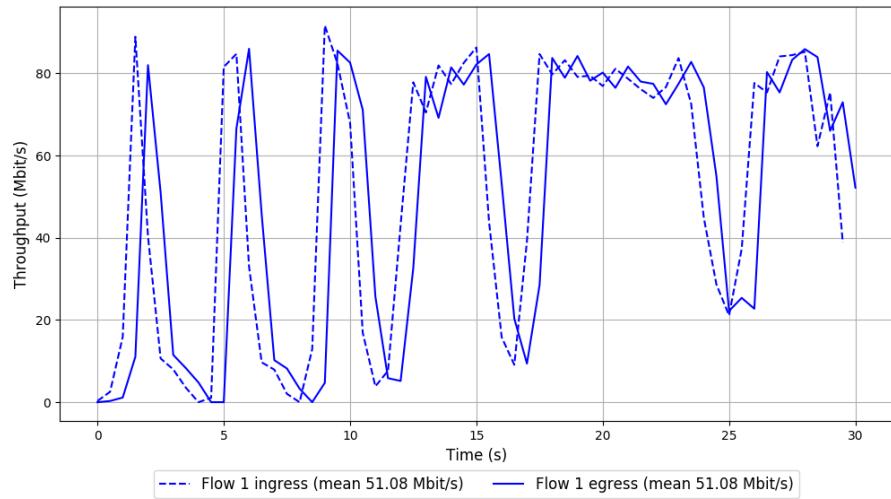


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-30 09:32:37
End at: 2018-05-30 09:33:07
Local clock offset: 0.613 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.08 Mbit/s
95th percentile per-packet one-way delay: 86.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.08 Mbit/s
95th percentile per-packet one-way delay: 86.206 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

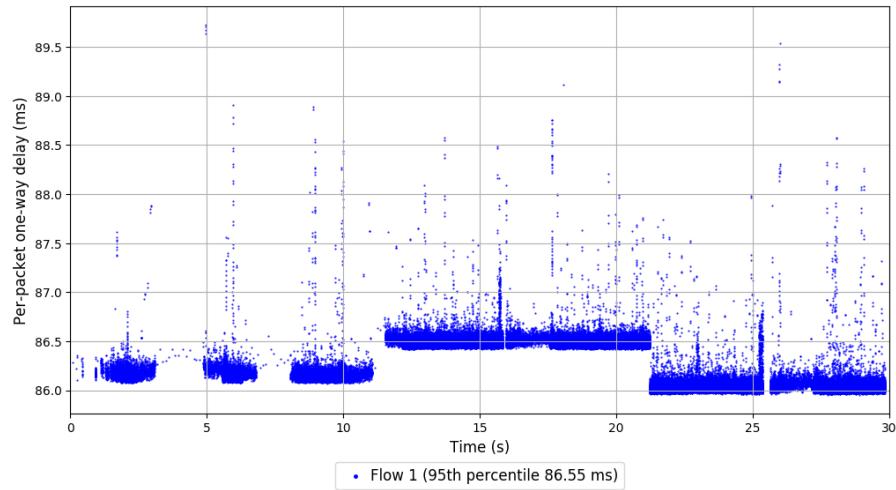
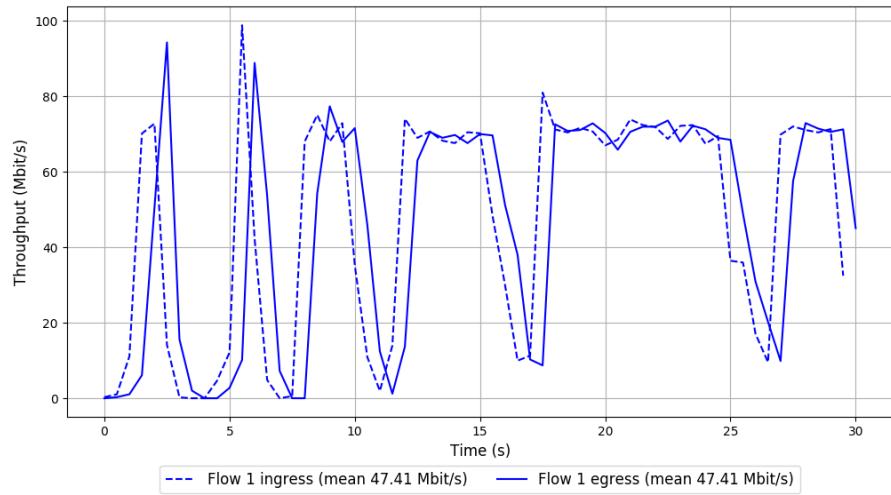


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-30 09:53:17
End at: 2018-05-30 09:53:47
Local clock offset: 0.191 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 86.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 86.546 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

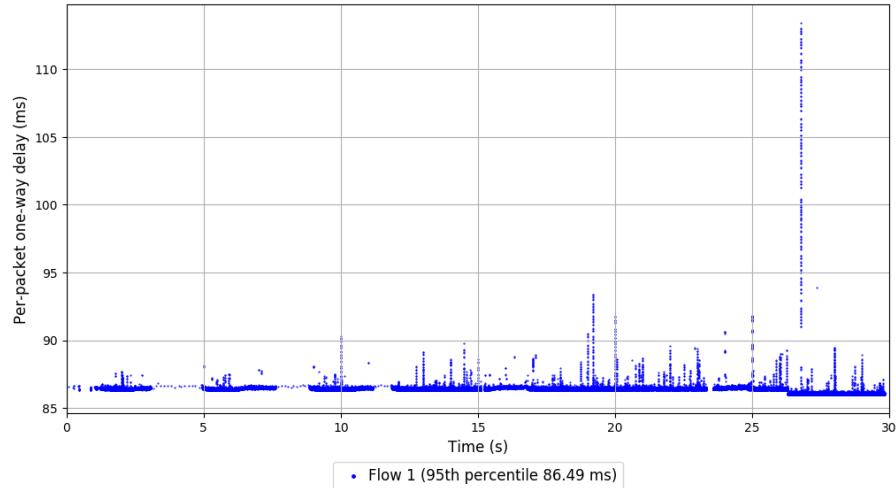
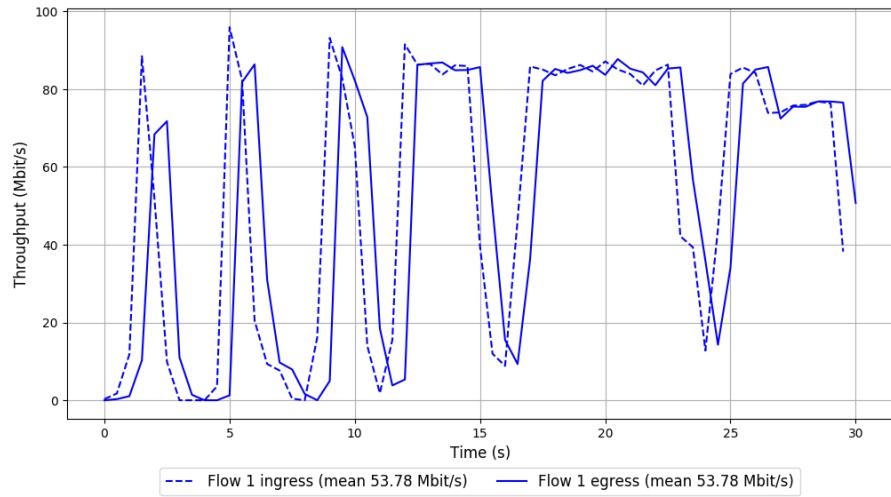


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-30 10:14:02
End at: 2018-05-30 10:14:32
Local clock offset: 0.43 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: 86.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: 86.490 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

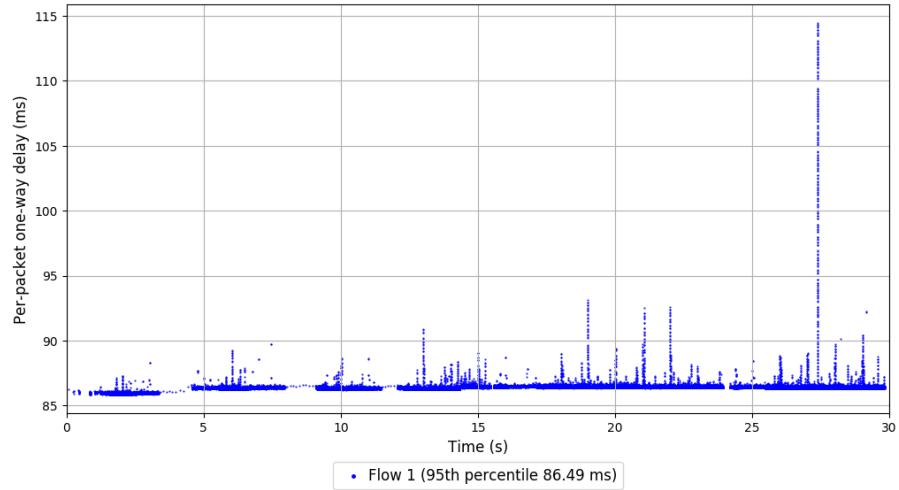
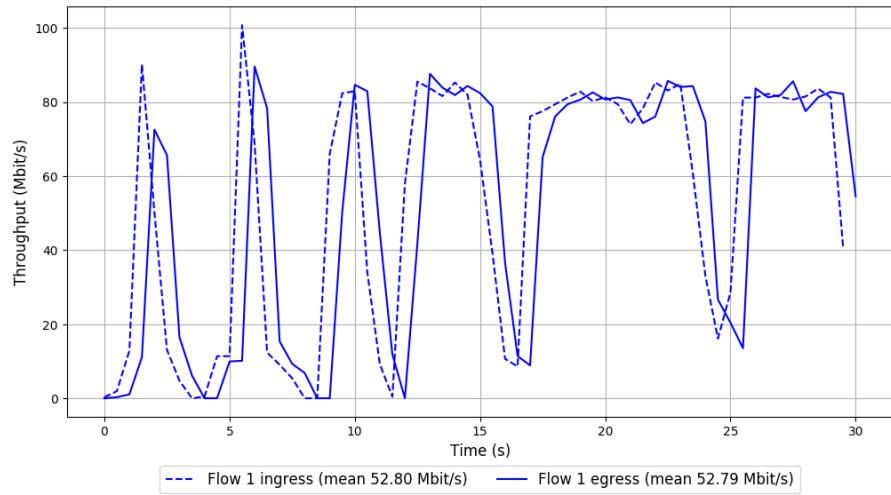


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-30 10:35:04
End at: 2018-05-30 10:35:34
Local clock offset: 0.747 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 86.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 86.493 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

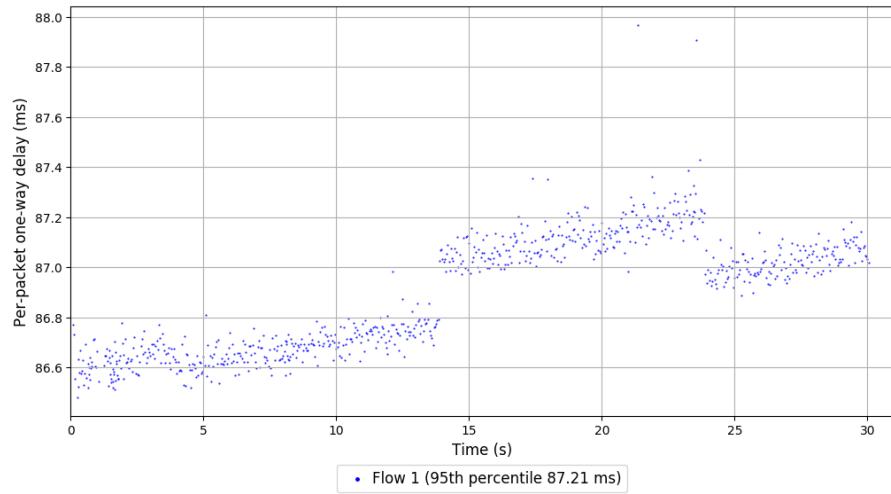
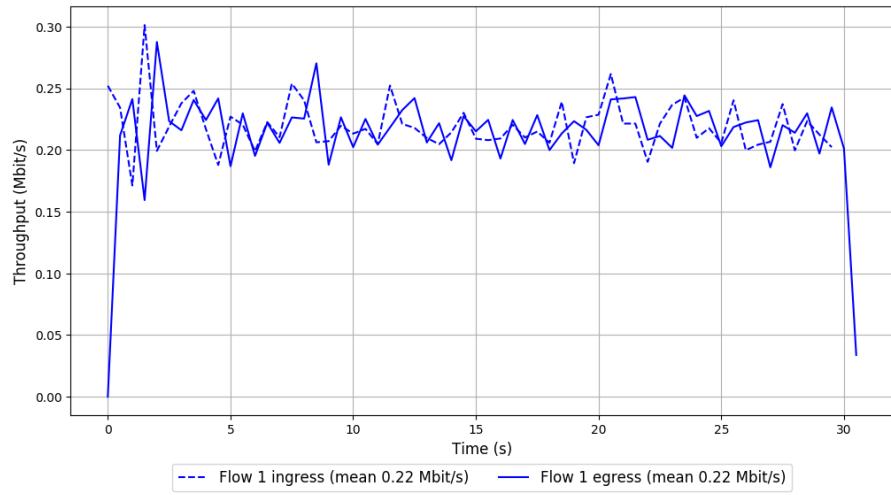


```
Run 1: Statistics of SCReAM

Start at: 2018-05-30 07:22:05
End at: 2018-05-30 07:22:35
Local clock offset: 34.217 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.212 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

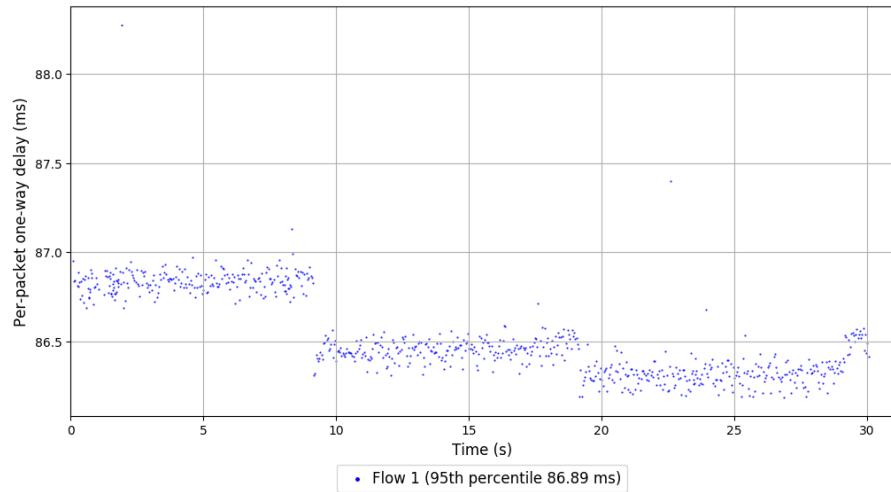
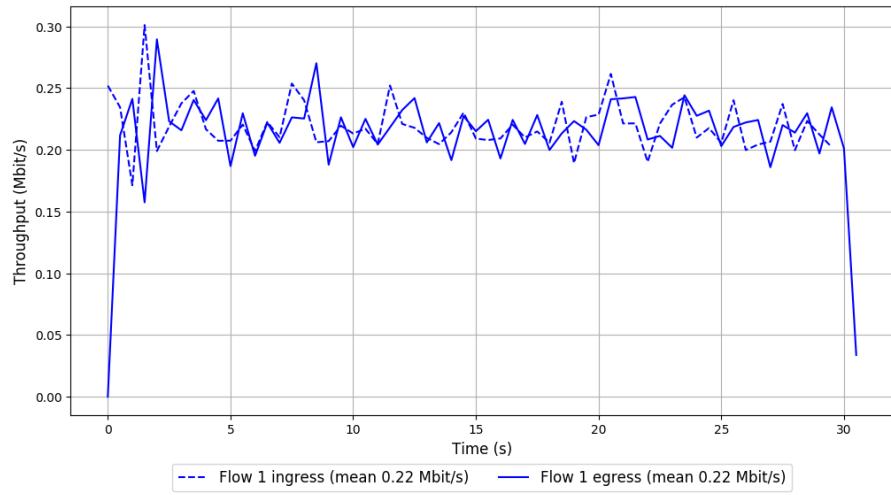


Run 2: Statistics of SCReAM

```
Start at: 2018-05-30 07:42:59
End at: 2018-05-30 07:43:29
Local clock offset: 13.338 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.892 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

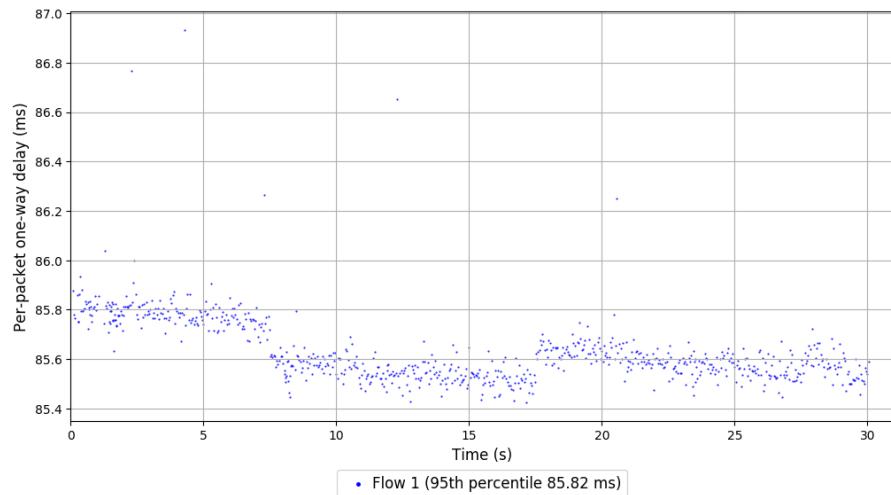
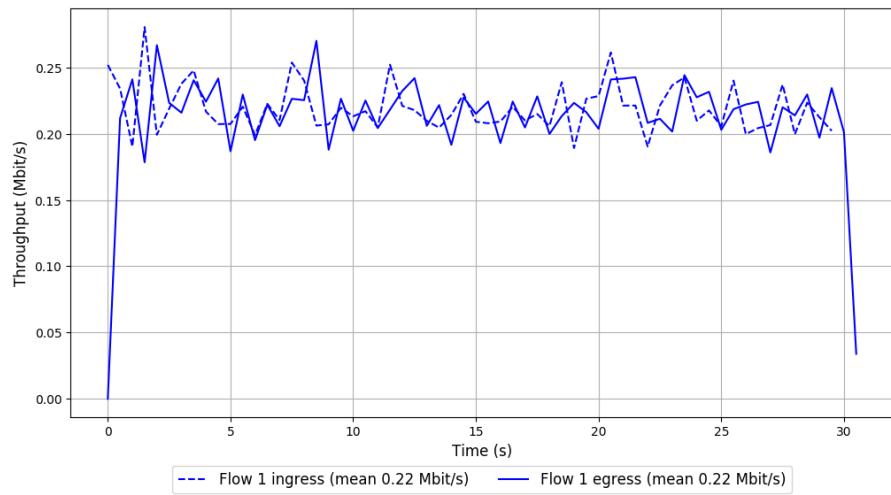


Run 3: Statistics of SCReAM

```
Start at: 2018-05-30 08:03:51
End at: 2018-05-30 08:04:21
Local clock offset: 10.051 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.823 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

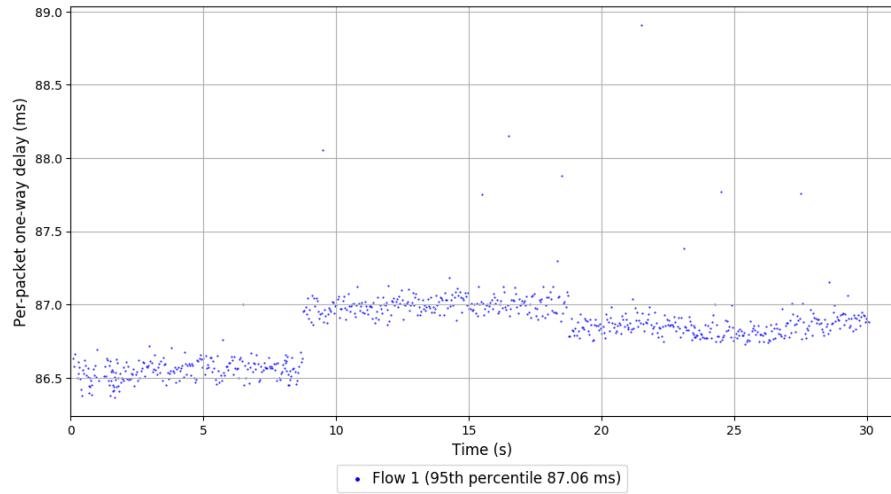
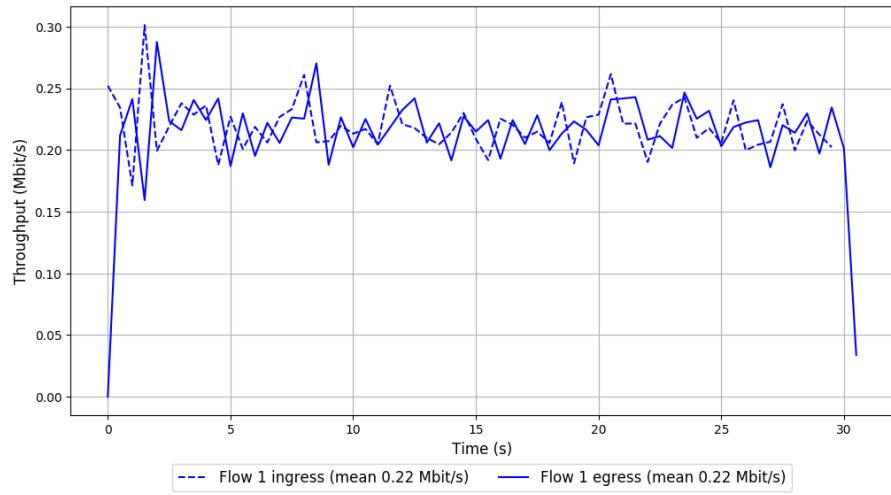


Run 4: Statistics of SCReAM

```
Start at: 2018-05-30 08:24:40
End at: 2018-05-30 08:25:10
Local clock offset: 7.127 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.060 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

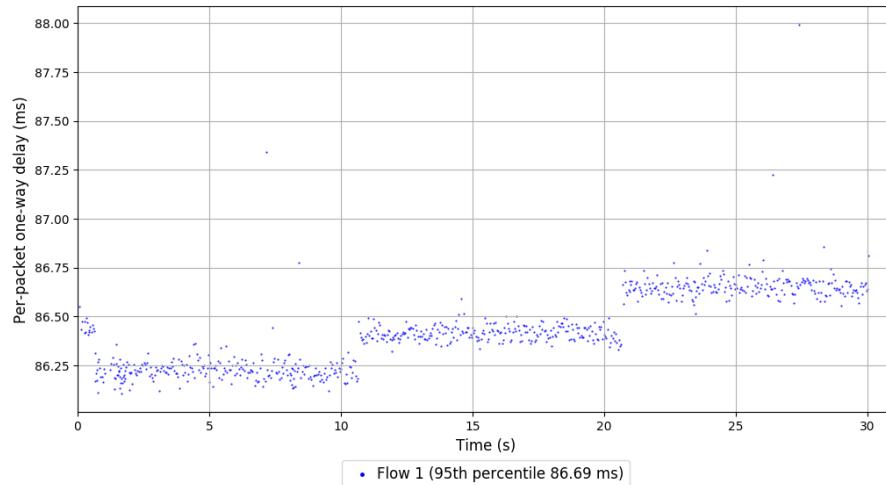
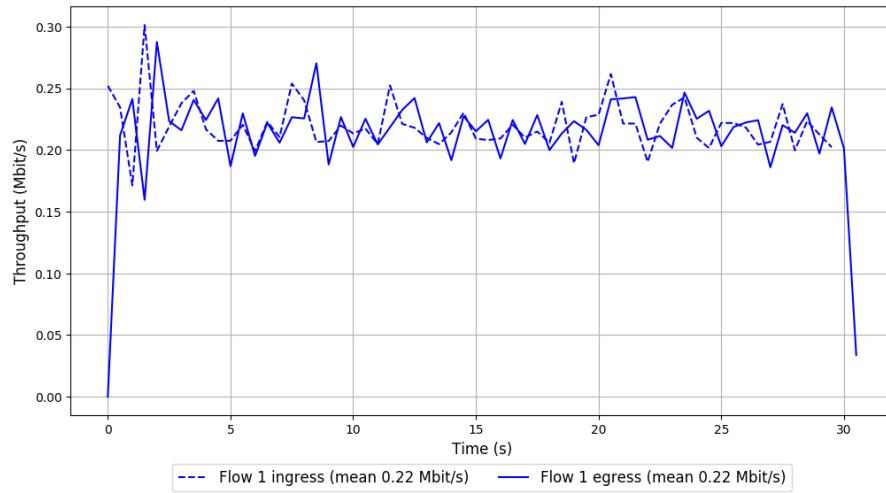


Run 5: Statistics of SCReAM

```
Start at: 2018-05-30 08:45:48
End at: 2018-05-30 08:46:18
Local clock offset: 2.167 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.689 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

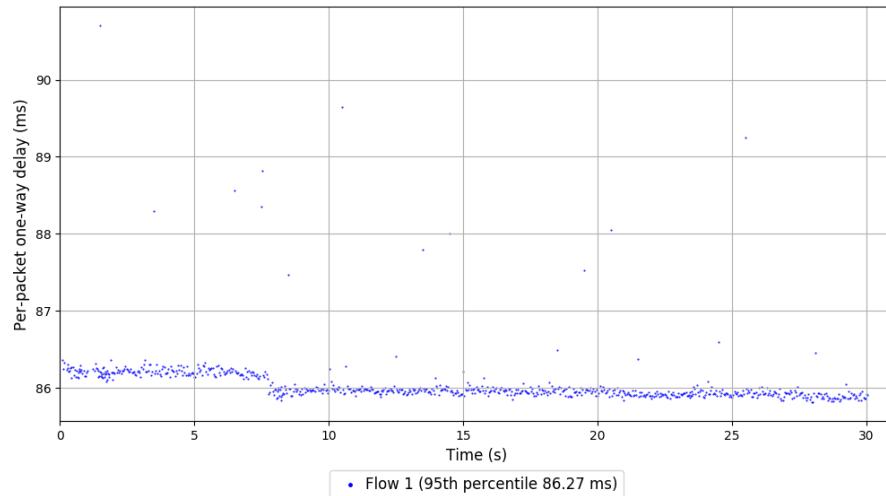
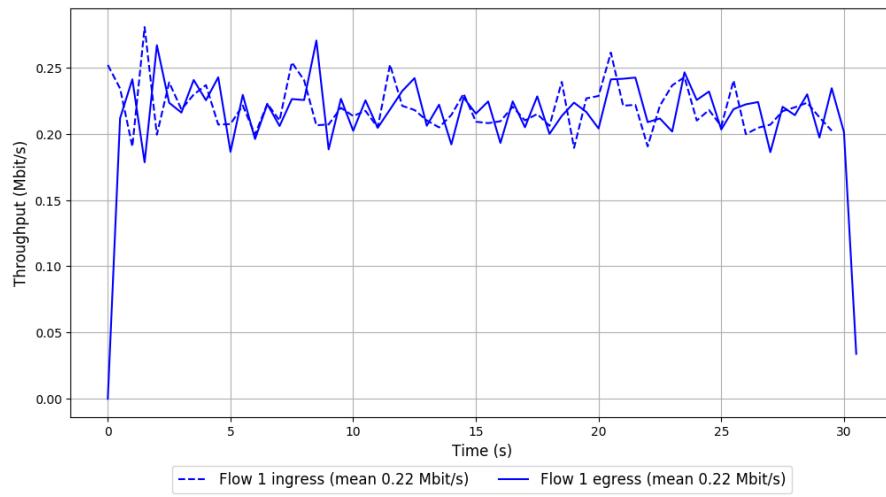


Run 6: Statistics of SCReAM

```
Start at: 2018-05-30 09:06:41
End at: 2018-05-30 09:07:11
Local clock offset: 1.858 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.273 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

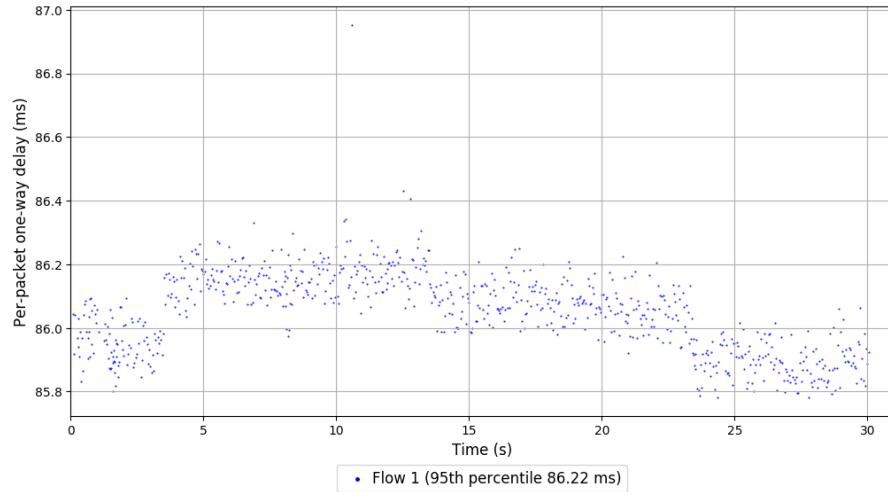
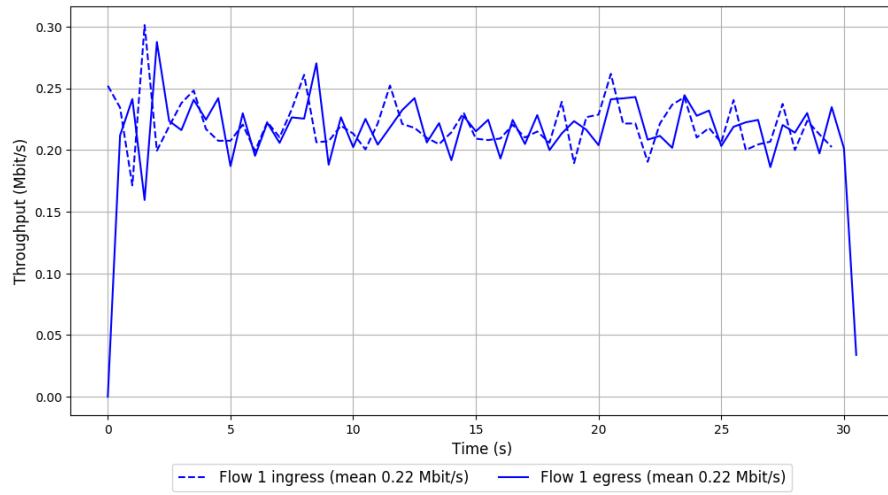


Run 7: Statistics of SCReAM

```
Start at: 2018-05-30 09:27:35
End at: 2018-05-30 09:28:05
Local clock offset: 0.822 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.224 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

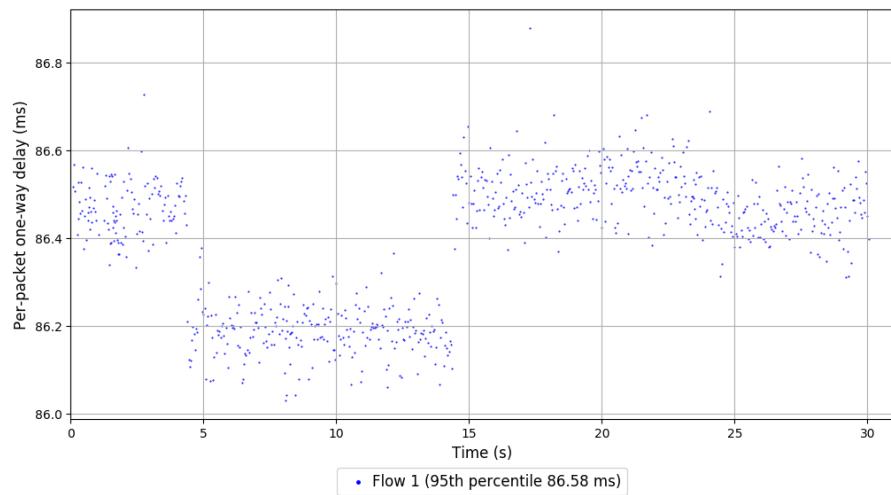
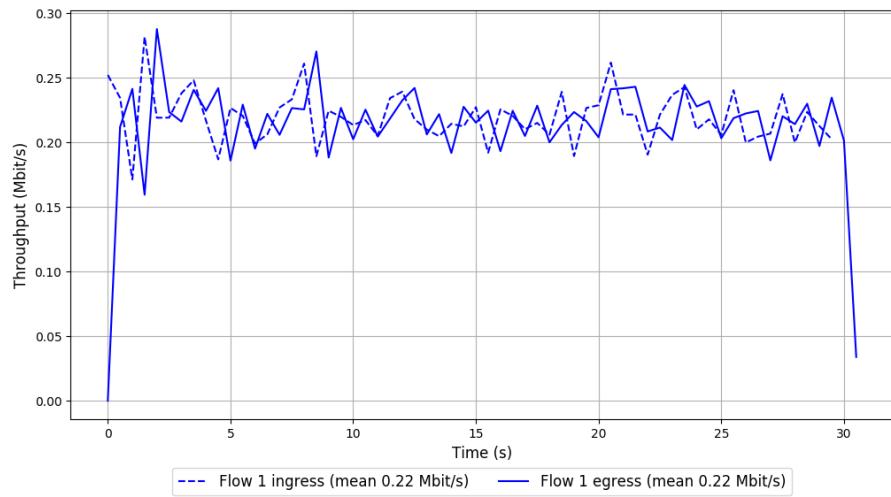


Run 8: Statistics of SCReAM

```
Start at: 2018-05-30 09:48:14
End at: 2018-05-30 09:48:44
Local clock offset: 0.512 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

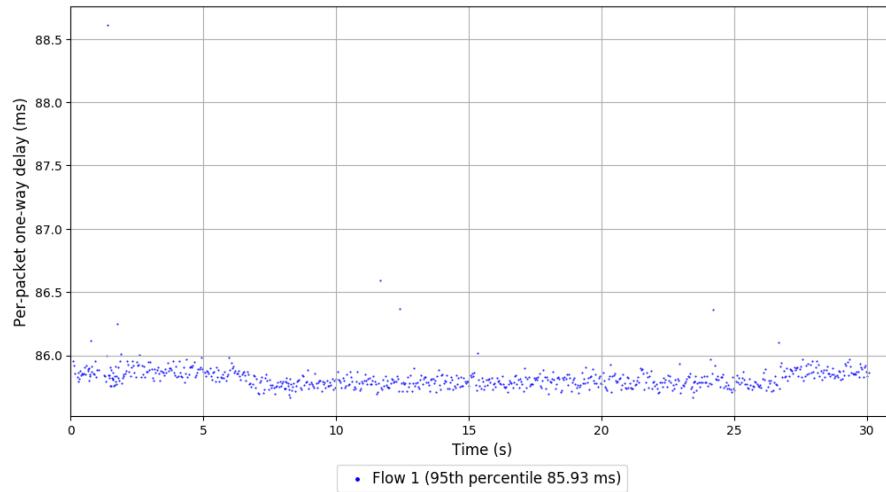
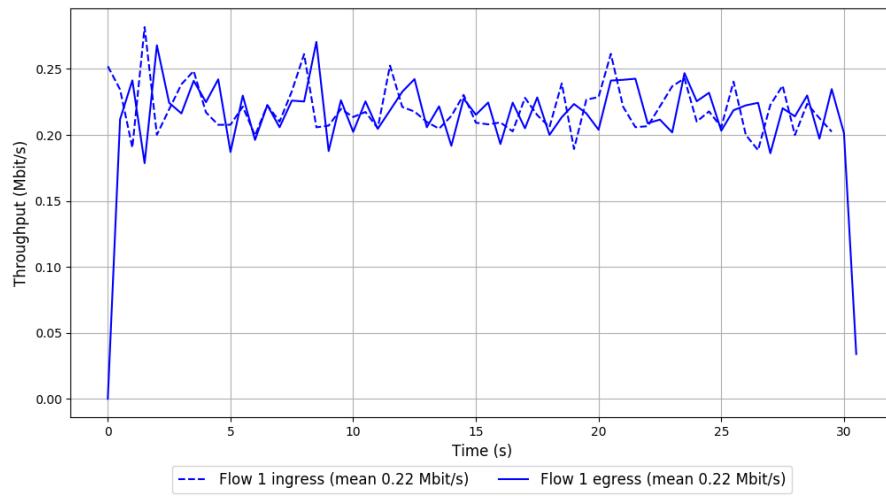


Run 9: Statistics of SCReAM

```
Start at: 2018-05-30 10:09:02
End at: 2018-05-30 10:09:32
Local clock offset: 0.75 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.926 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

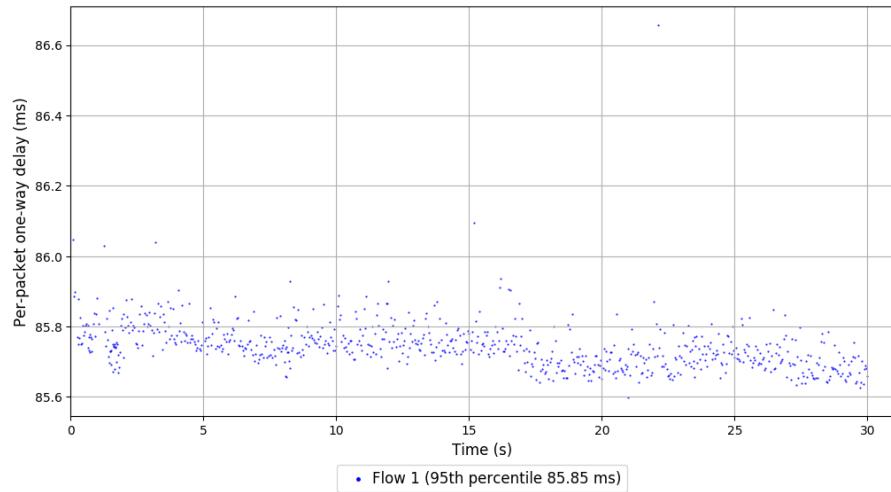
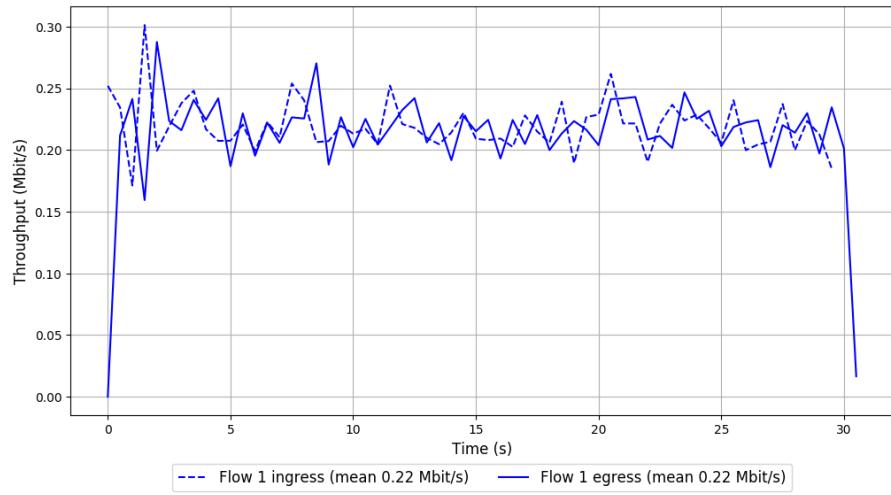


Run 10: Statistics of SCReAM

```
Start at: 2018-05-30 10:30:02
End at: 2018-05-30 10:30:32
Local clock offset: 0.951 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.853 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

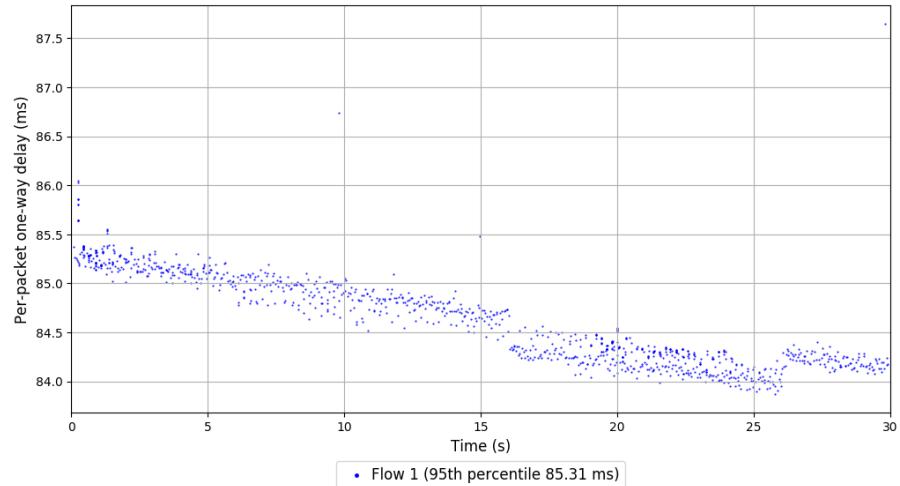
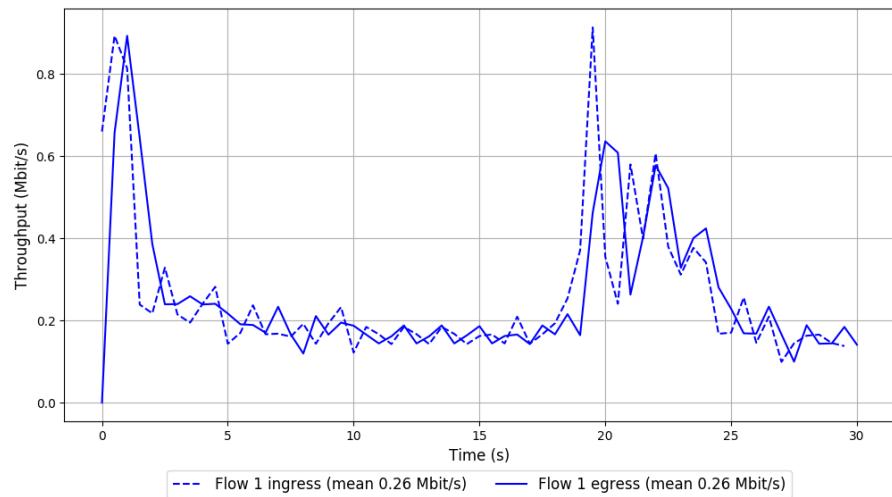


Run 1: Statistics of Sprout

```
Start at: 2018-05-30 07:26:02
End at: 2018-05-30 07:26:32
Local clock offset: 27.208 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 85.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 85.313 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

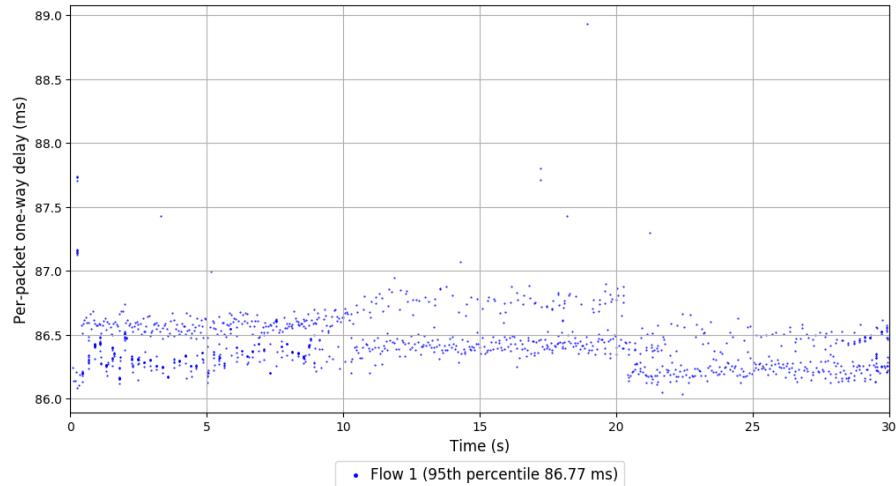
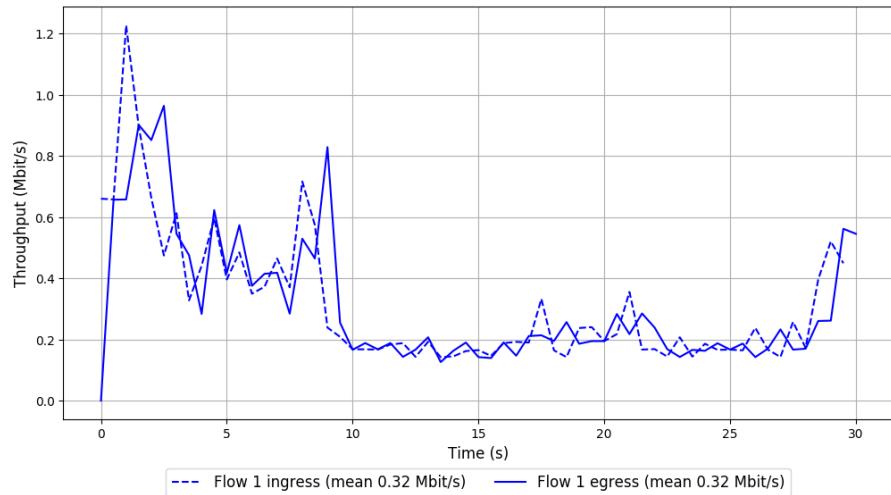


Run 2: Statistics of Sprout

```
Start at: 2018-05-30 07:46:58
End at: 2018-05-30 07:47:28
Local clock offset: 14.196 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

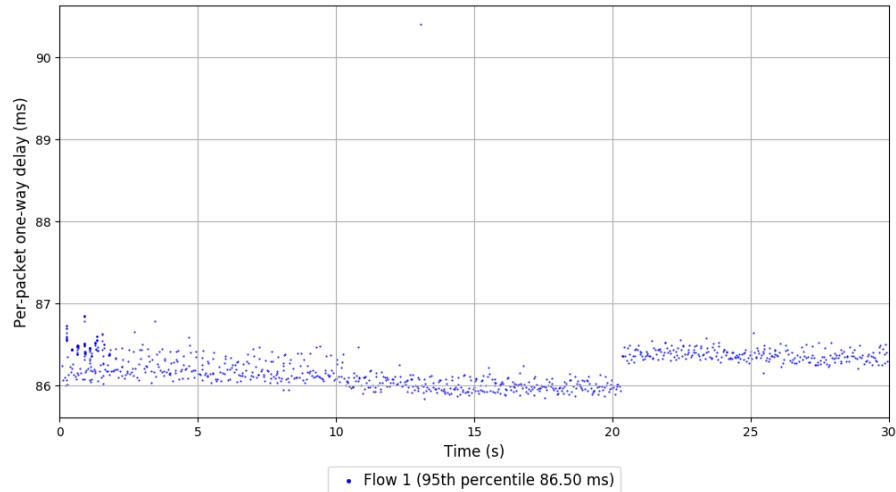
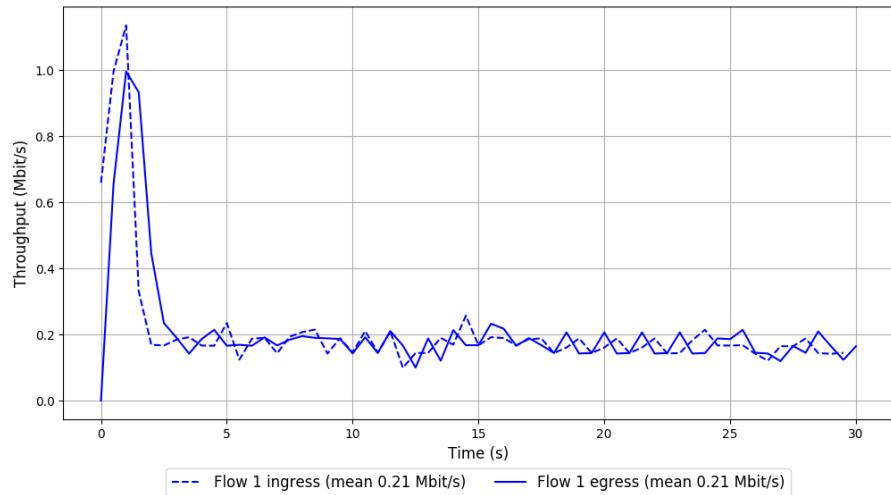


Run 3: Statistics of Sprout

```
Start at: 2018-05-30 08:07:48
End at: 2018-05-30 08:08:18
Local clock offset: 7.648 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 0.00%
```

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

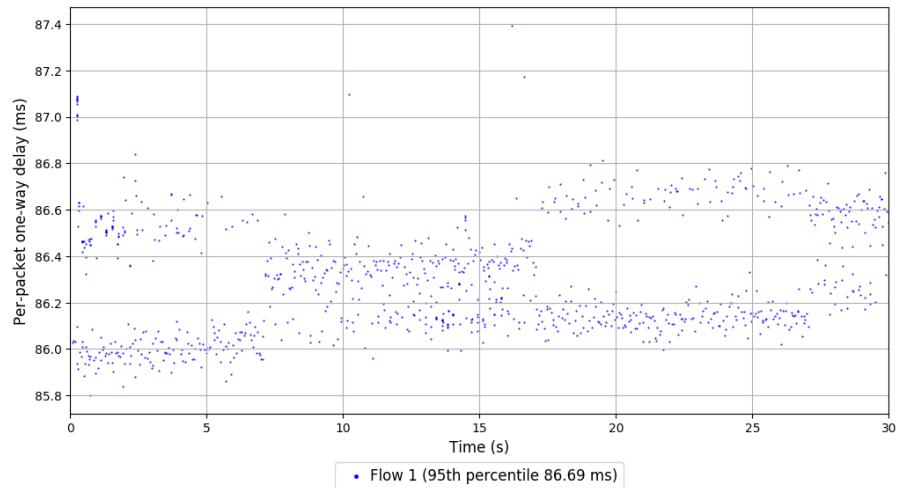
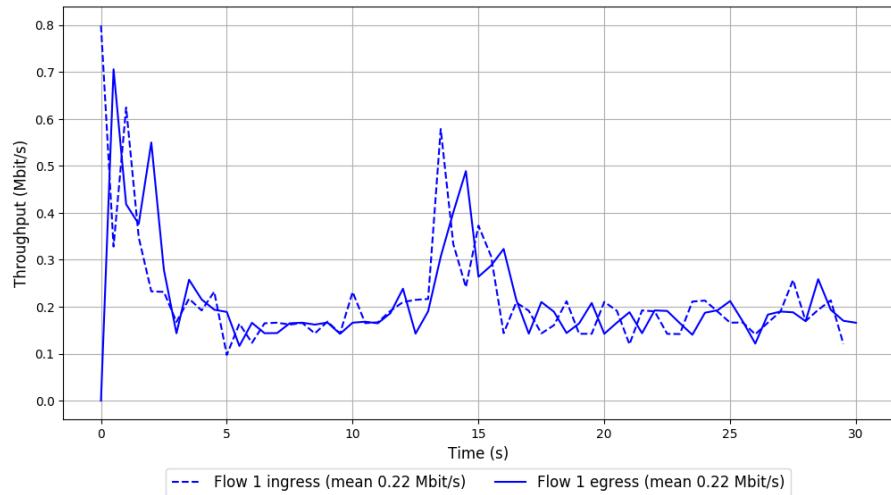


Run 4: Statistics of Sprout

```
Start at: 2018-05-30 08:28:41
End at: 2018-05-30 08:29:11
Local clock offset: 8.187 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

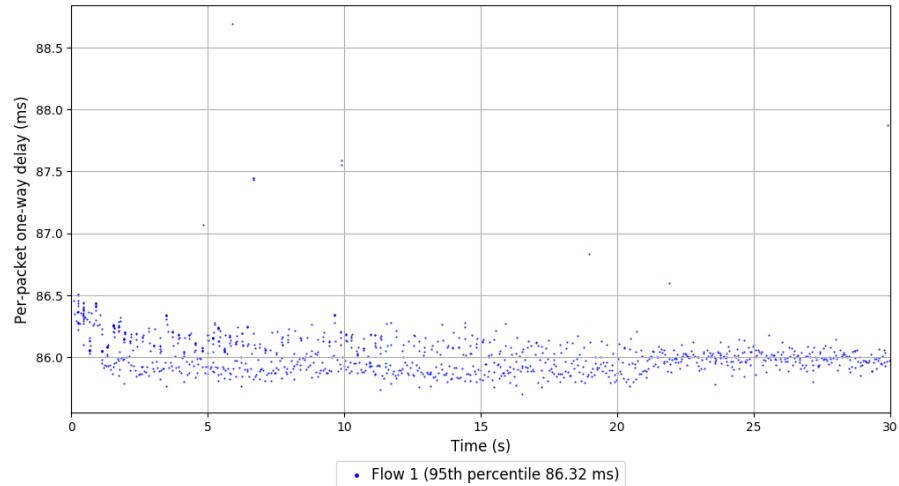
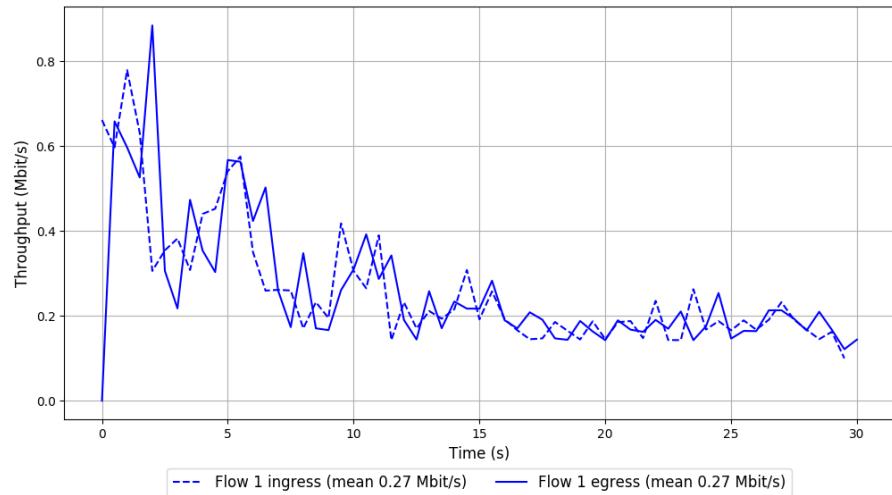


Run 5: Statistics of Sprout

```
Start at: 2018-05-30 08:49:47
End at: 2018-05-30 08:50:17
Local clock offset: 2.082 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.323 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

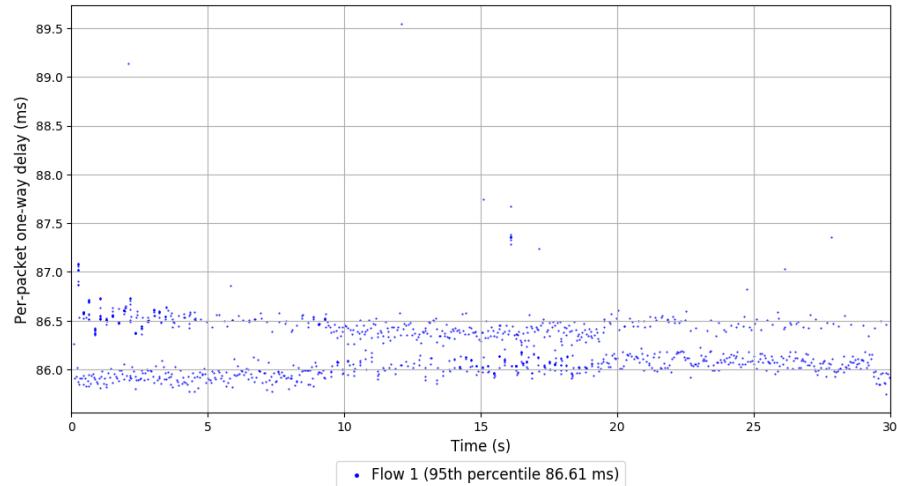
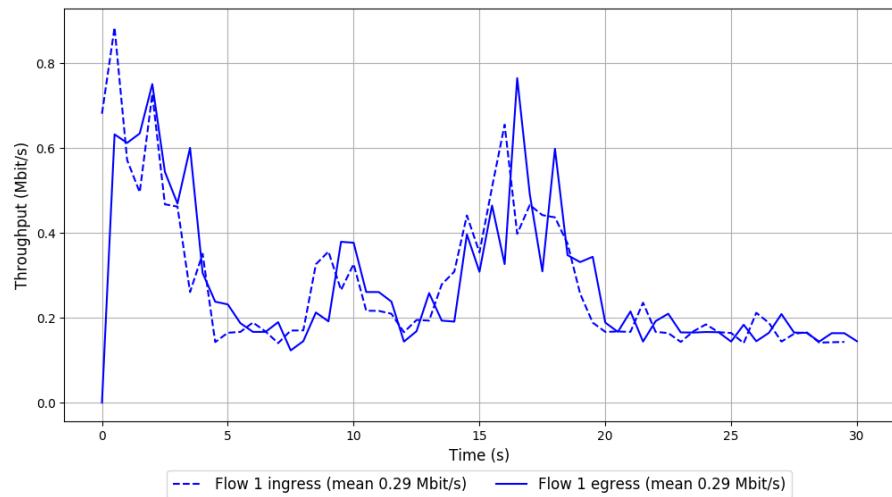


Run 6: Statistics of Sprout

```
Start at: 2018-05-30 09:10:39
End at: 2018-05-30 09:11:09
Local clock offset: 1.273 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.610 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

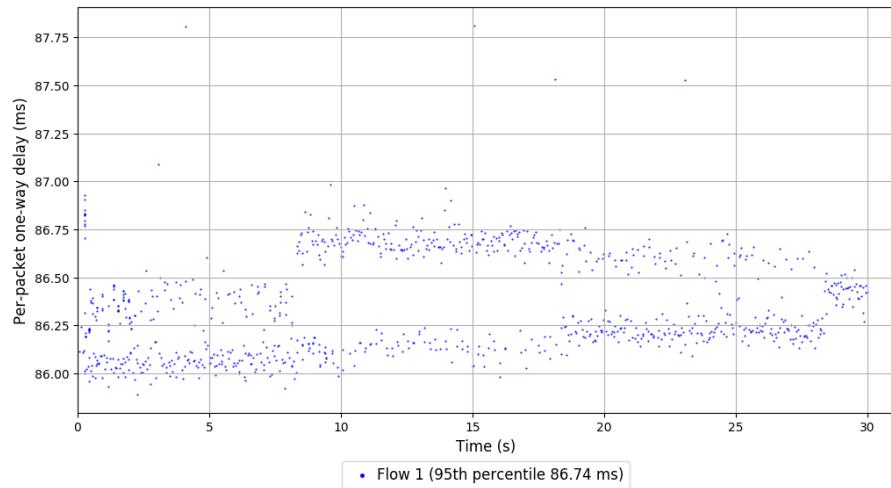
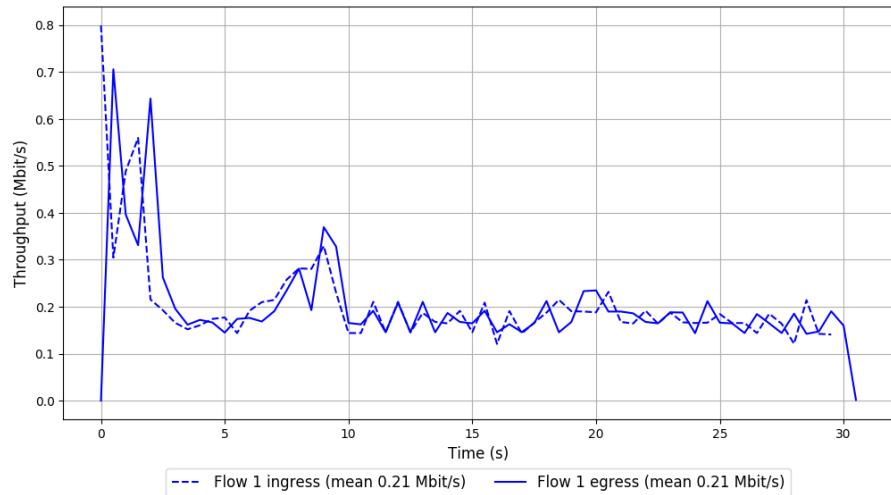


Run 7: Statistics of Sprout

```
Start at: 2018-05-30 09:31:30
End at: 2018-05-30 09:32:00
Local clock offset: 0.733 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 0.00%
```

## Run 7: Report of Sprout — Data Link

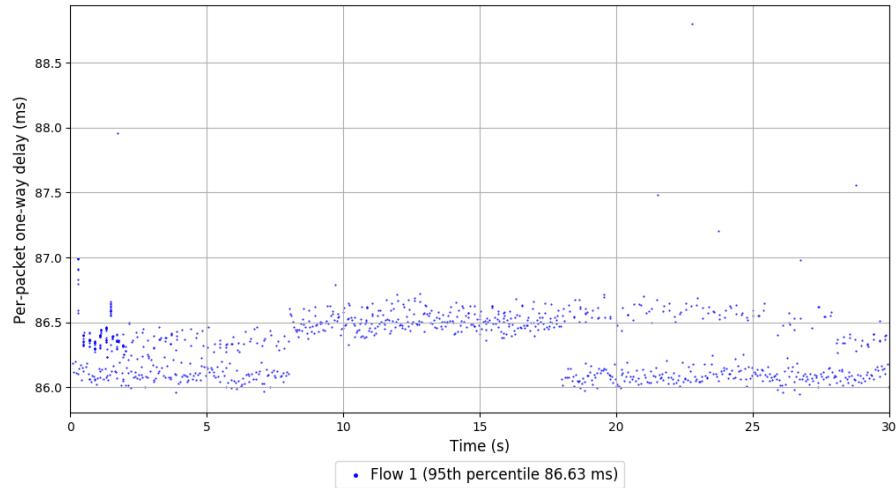
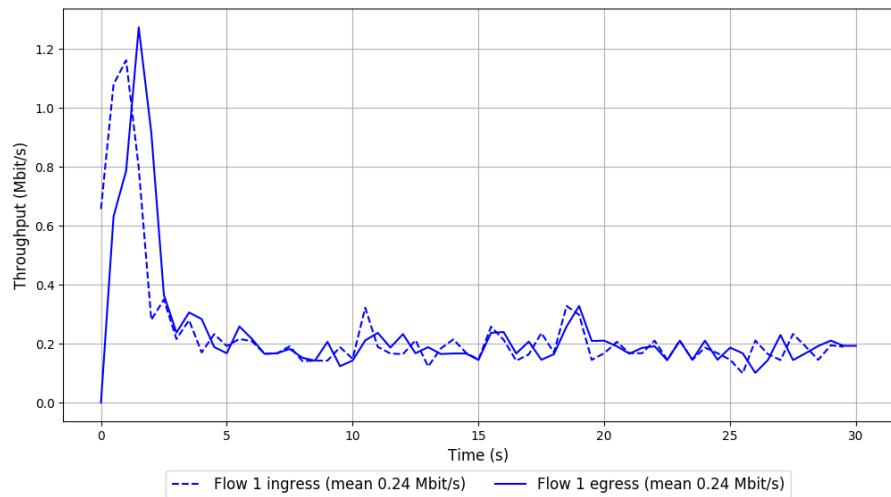


Run 8: Statistics of Sprout

```
Start at: 2018-05-30 09:52:11
End at: 2018-05-30 09:52:41
Local clock offset: 0.377 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.634 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

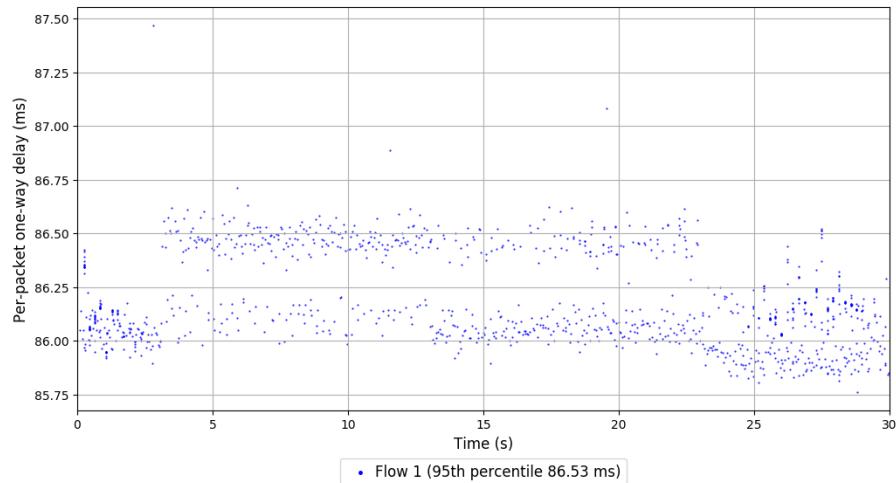
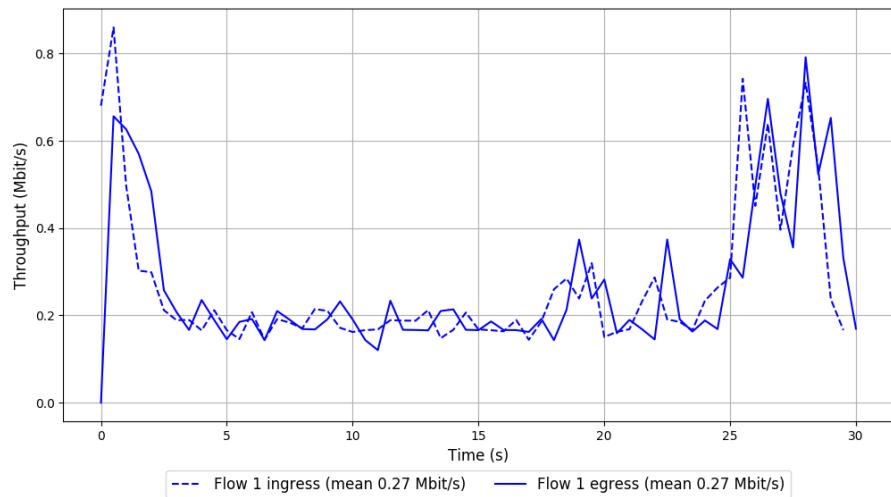


Run 9: Statistics of Sprout

```
Start at: 2018-05-30 10:12:56
End at: 2018-05-30 10:13:26
Local clock offset: 0.589 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.531 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

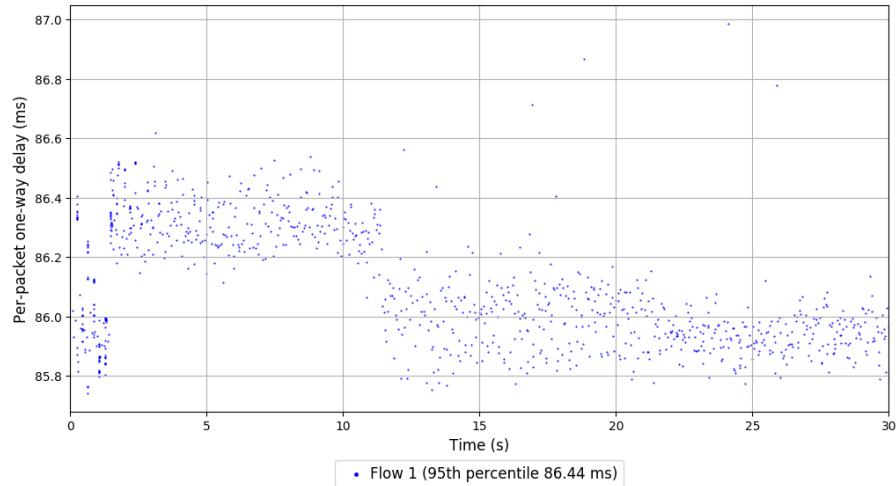
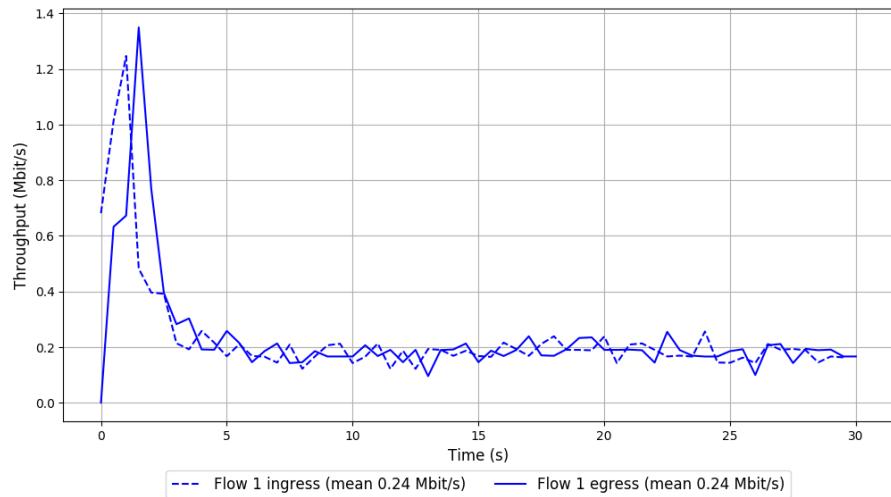


Run 10: Statistics of Sprout

```
Start at: 2018-05-30 10:33:57
End at: 2018-05-30 10:34:27
Local clock offset: 0.979 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-05-30 11:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.436 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

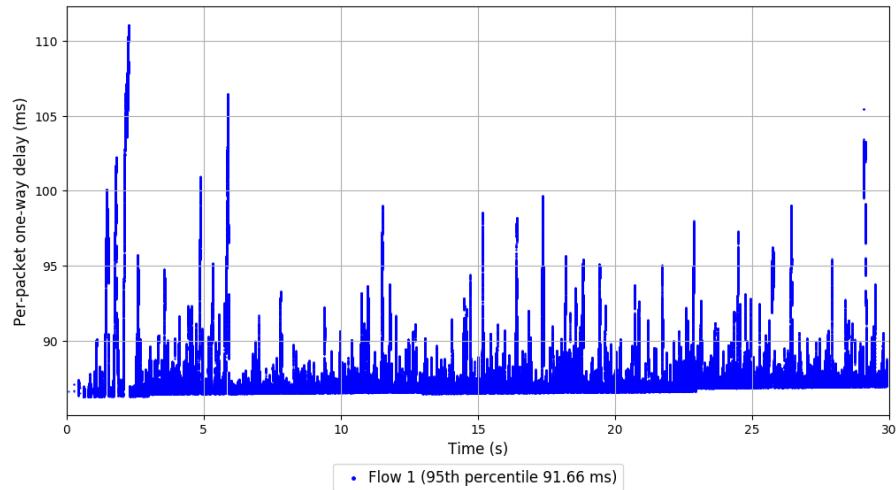
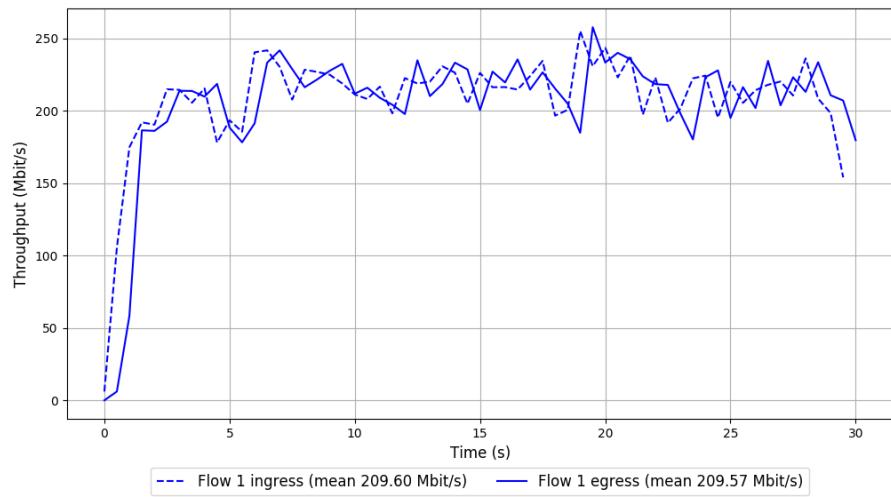


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-30 07:19:25
End at: 2018-05-30 07:19:56
Local clock offset: 31.653 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-05-30 11:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.57 Mbit/s
95th percentile per-packet one-way delay: 91.658 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 209.57 Mbit/s
95th percentile per-packet one-way delay: 91.658 ms
Loss rate: 0.01%
```

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

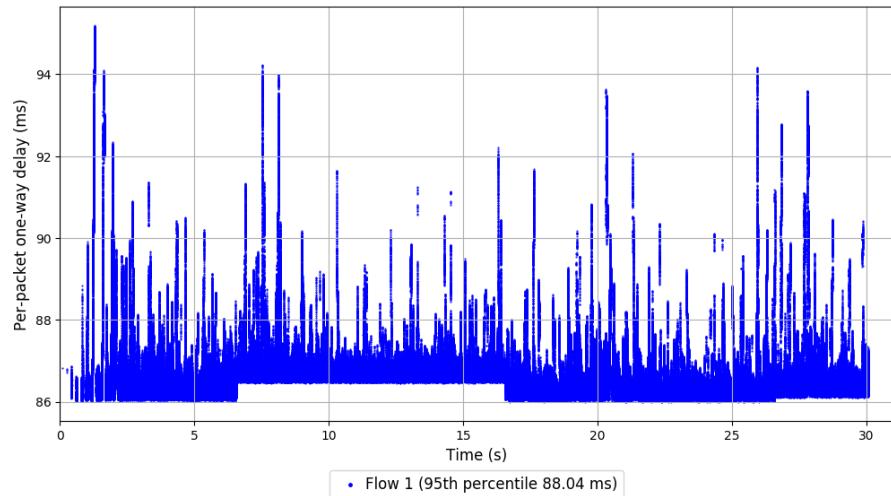
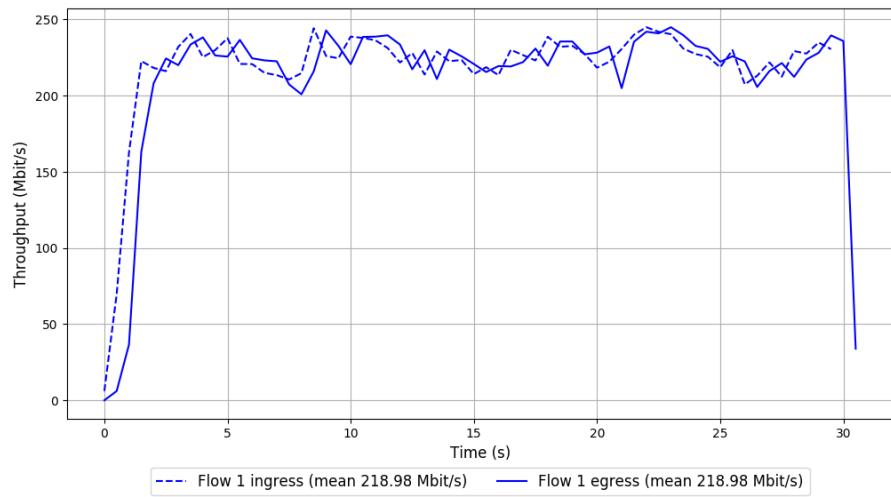


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-30 07:40:22
End at: 2018-05-30 07:40:52
Local clock offset: 13.271 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-05-30 11:57:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.98 Mbit/s
95th percentile per-packet one-way delay: 88.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.98 Mbit/s
95th percentile per-packet one-way delay: 88.043 ms
Loss rate: 0.00%
```

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

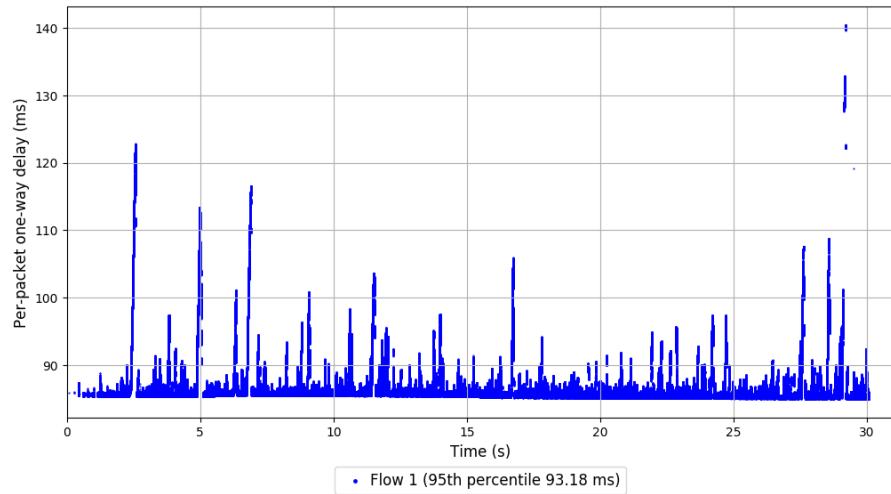
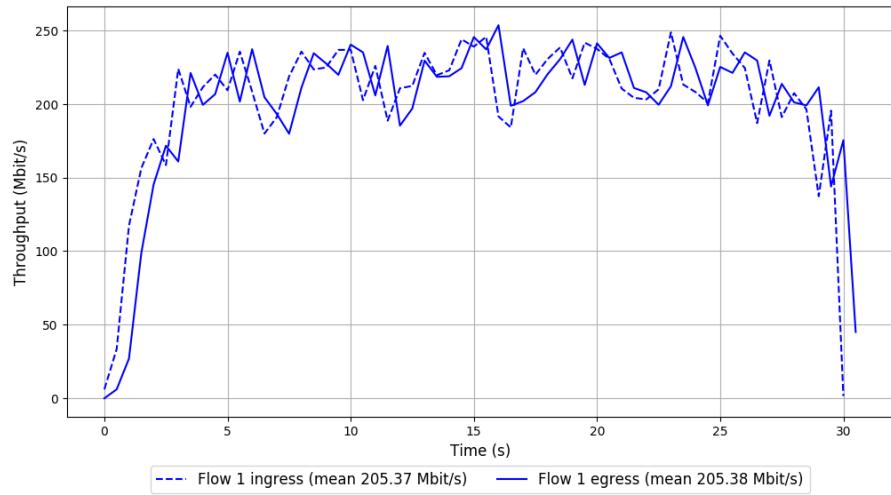


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-30 08:01:13
End at: 2018-05-30 08:01:43
Local clock offset: 12.261 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-30 11:57:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.38 Mbit/s
95th percentile per-packet one-way delay: 93.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.38 Mbit/s
95th percentile per-packet one-way delay: 93.182 ms
Loss rate: 0.00%
```

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

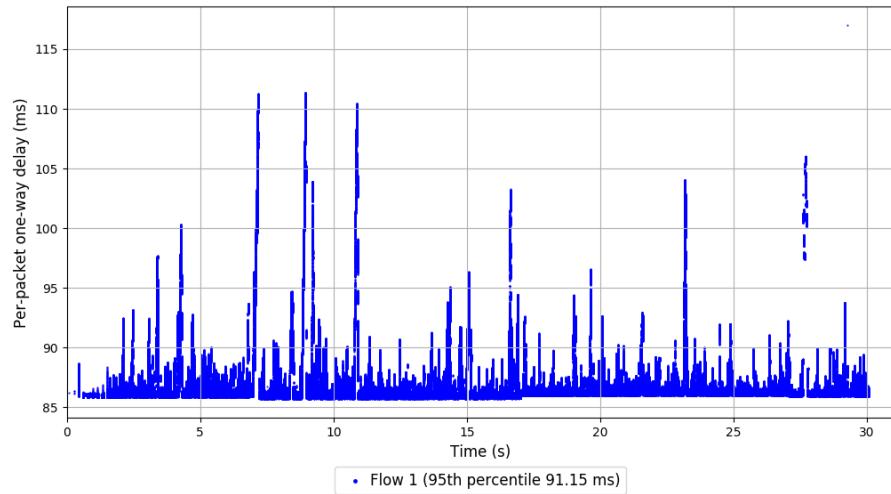
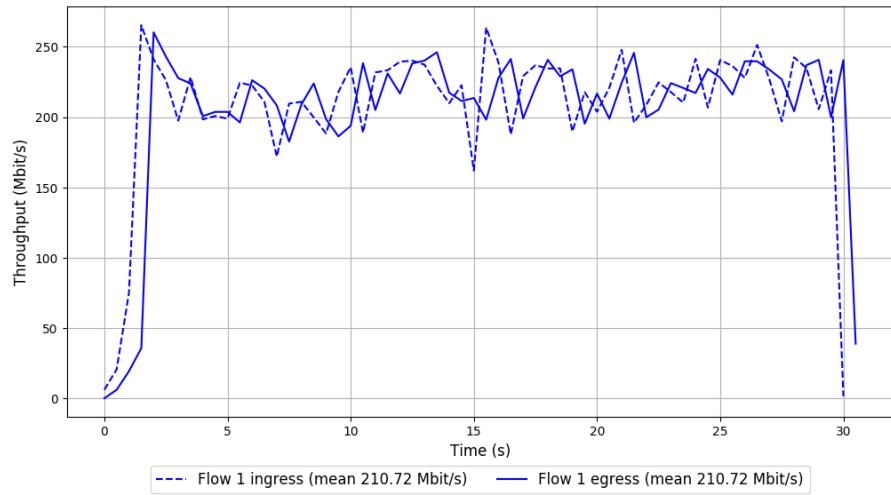


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-30 08:22:02
End at: 2018-05-30 08:22:32
Local clock offset: 7.113 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-05-30 11:57:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.72 Mbit/s
95th percentile per-packet one-way delay: 91.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.72 Mbit/s
95th percentile per-packet one-way delay: 91.146 ms
Loss rate: 0.00%
```

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

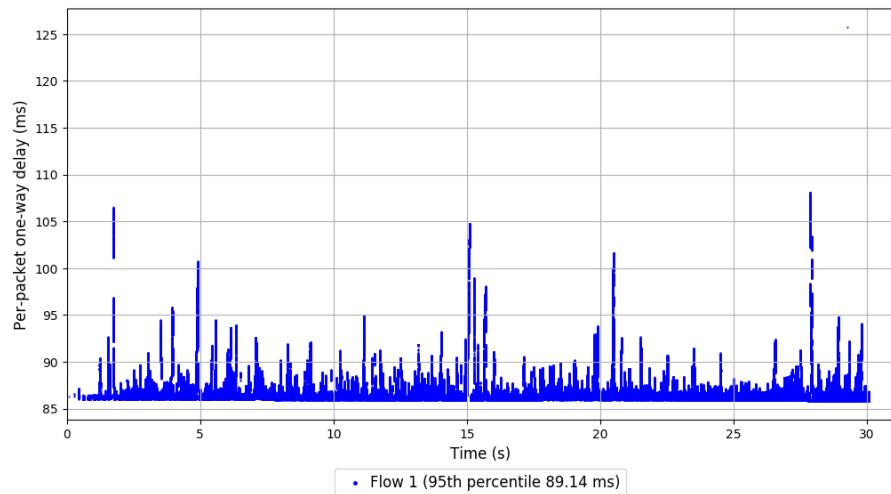
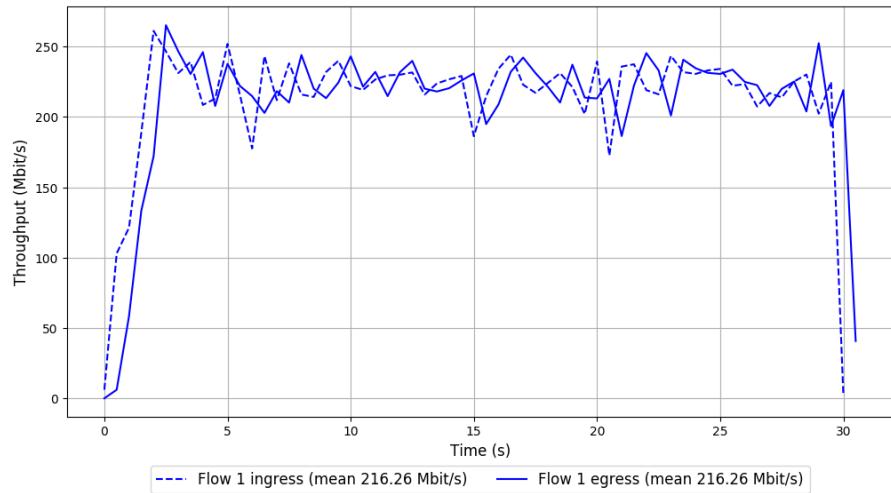


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-30 08:43:11
End at: 2018-05-30 08:43:41
Local clock offset: 2.688 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-05-30 11:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.26 Mbit/s
95th percentile per-packet one-way delay: 89.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.26 Mbit/s
95th percentile per-packet one-way delay: 89.143 ms
Loss rate: 0.00%
```

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

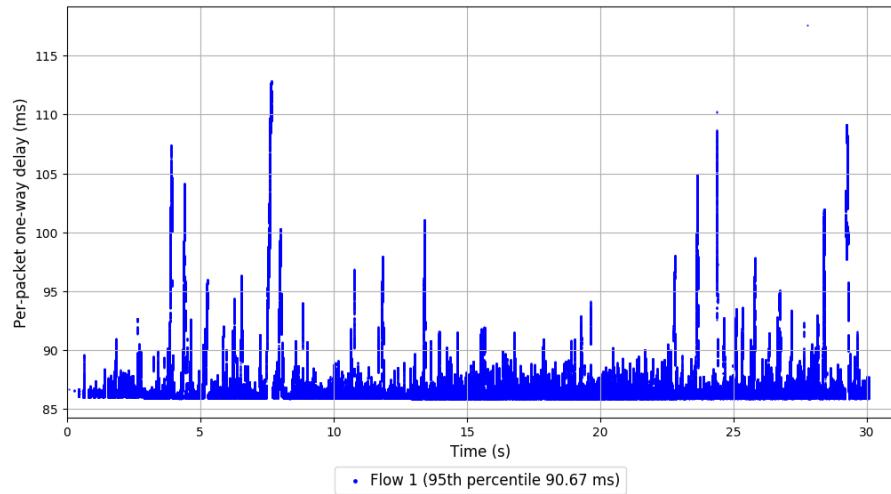
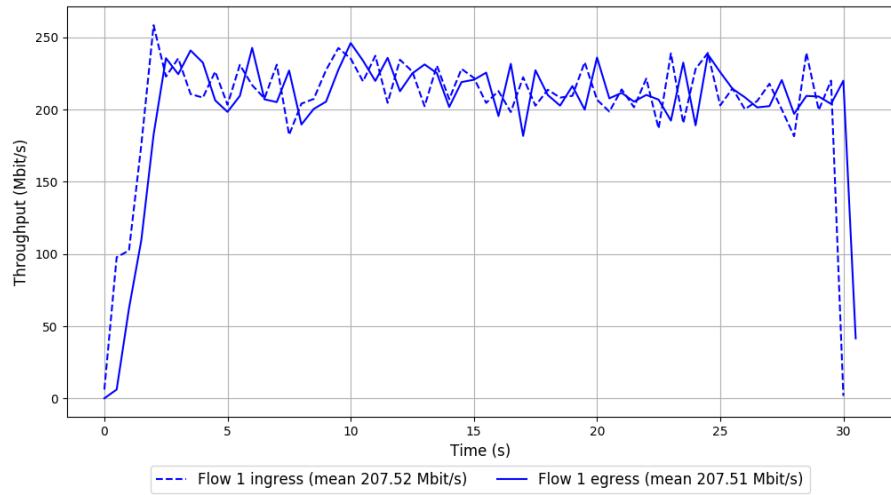


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-30 09:04:06
End at: 2018-05-30 09:04:36
Local clock offset: 1.947 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-05-30 11:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.51 Mbit/s
95th percentile per-packet one-way delay: 90.673 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 207.51 Mbit/s
95th percentile per-packet one-way delay: 90.673 ms
Loss rate: 0.01%
```

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

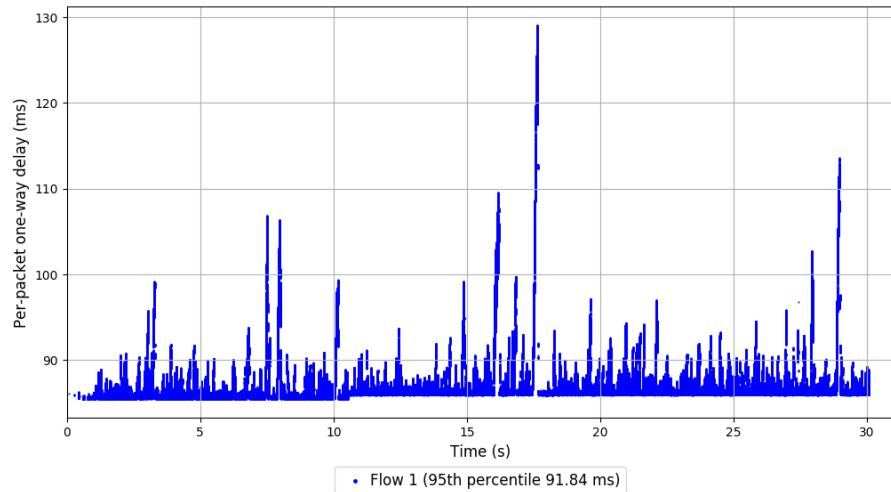
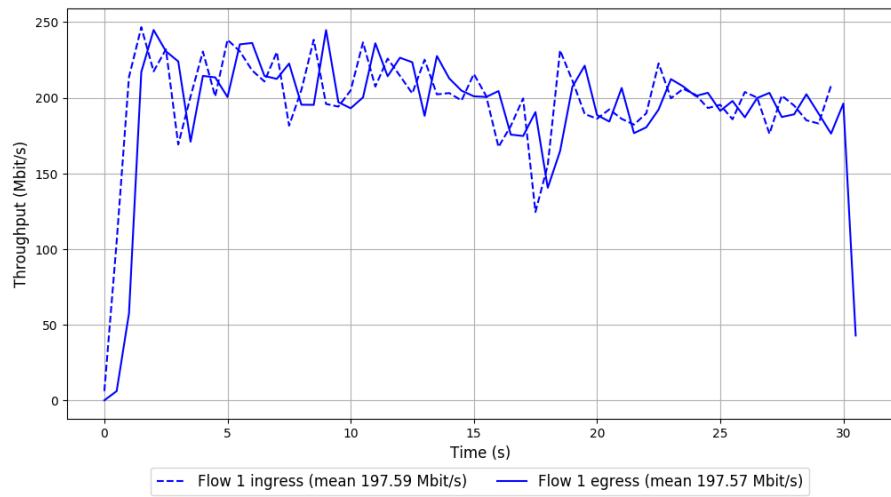


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-30 09:24:58
End at: 2018-05-30 09:25:28
Local clock offset: 1.014 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-05-30 11:58:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.57 Mbit/s
95th percentile per-packet one-way delay: 91.836 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 197.57 Mbit/s
95th percentile per-packet one-way delay: 91.836 ms
Loss rate: 0.01%
```

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

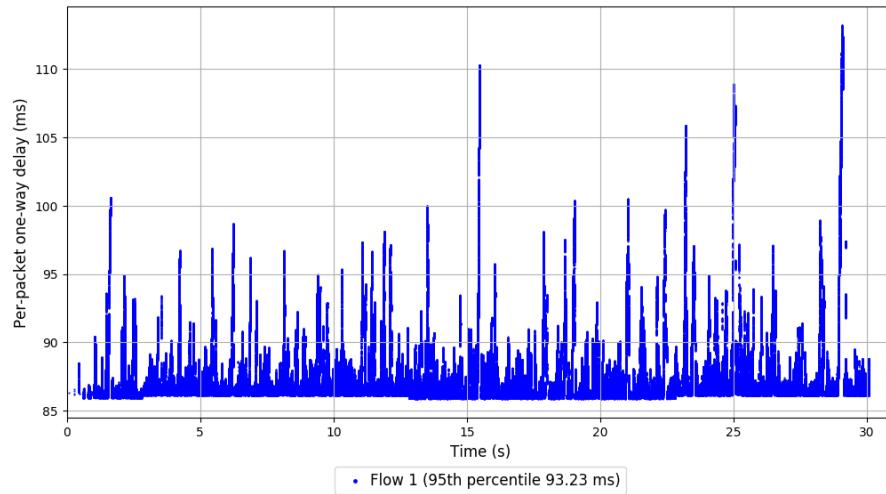
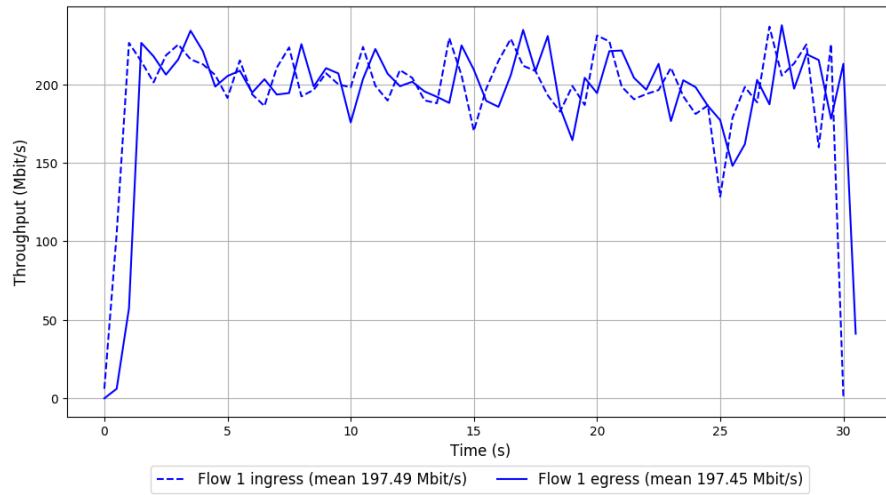


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-30 09:45:36
End at: 2018-05-30 09:46:06
Local clock offset: 0.392 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-05-30 11:58:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.45 Mbit/s
95th percentile per-packet one-way delay: 93.233 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 197.45 Mbit/s
95th percentile per-packet one-way delay: 93.233 ms
Loss rate: 0.02%
```

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

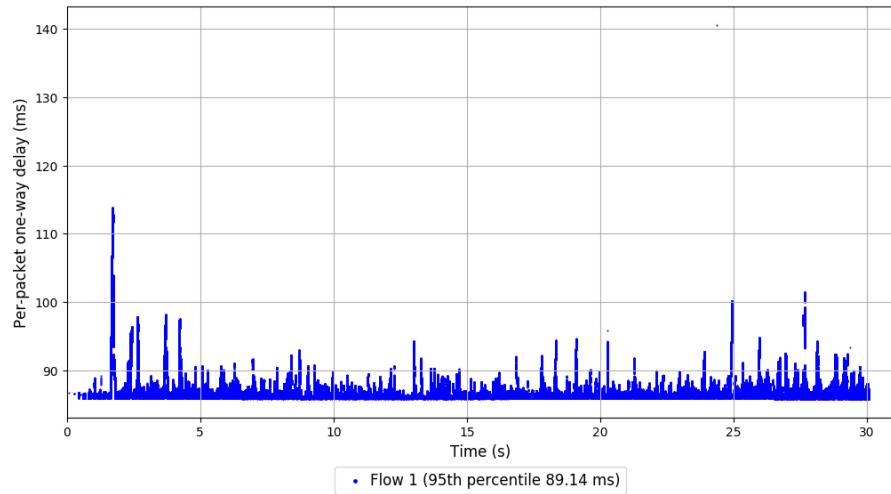
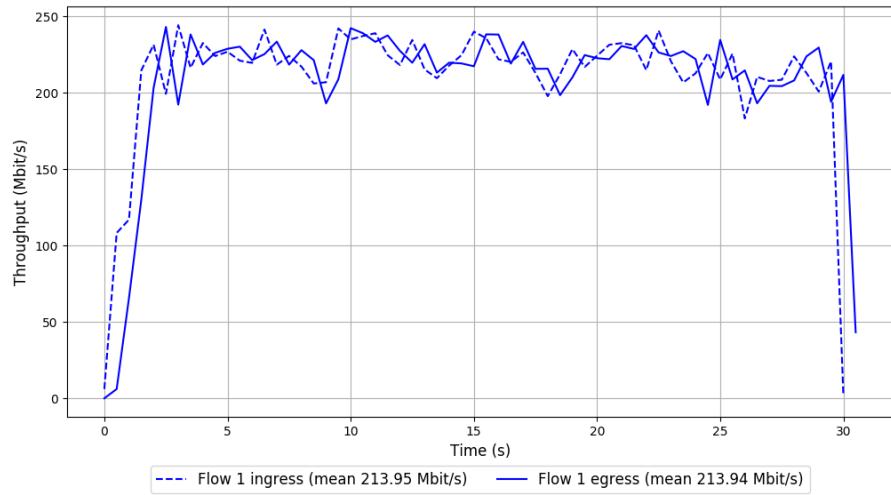


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-30 10:06:22
End at: 2018-05-30 10:06:52
Local clock offset: 0.376 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-05-30 12:03:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.94 Mbit/s
95th percentile per-packet one-way delay: 89.142 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 213.94 Mbit/s
95th percentile per-packet one-way delay: 89.142 ms
Loss rate: 0.01%
```

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

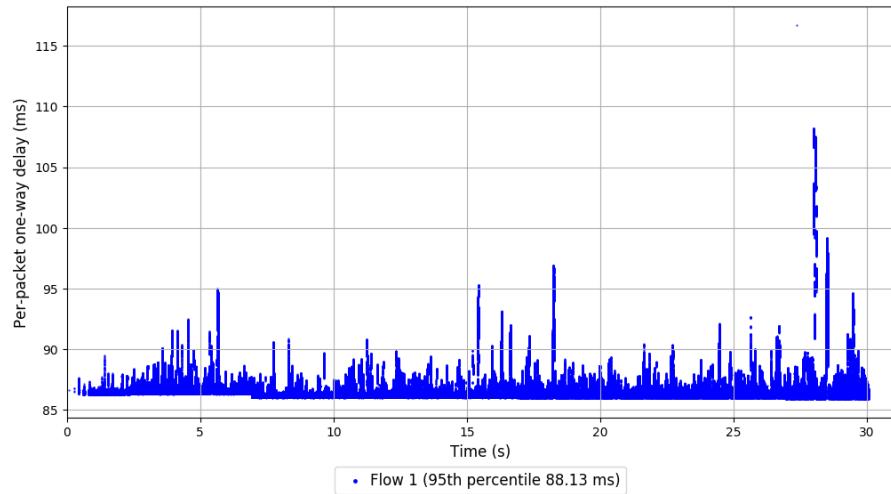
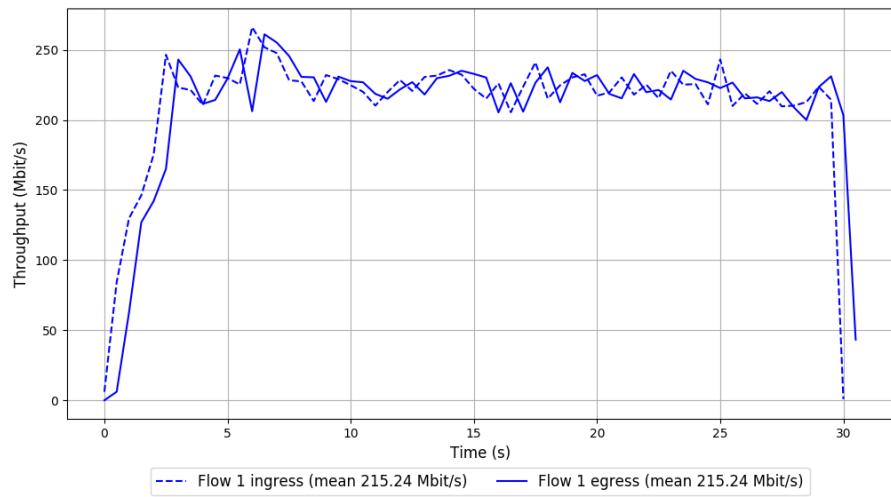


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-30 10:27:22
End at: 2018-05-30 10:27:52
Local clock offset: 0.596 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.24 Mbit/s
95th percentile per-packet one-way delay: 88.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.24 Mbit/s
95th percentile per-packet one-way delay: 88.130 ms
Loss rate: 0.00%
```

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

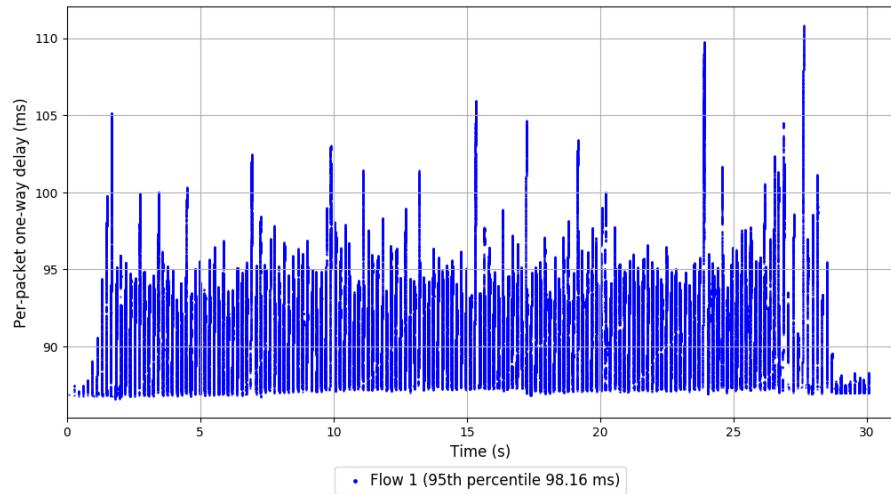
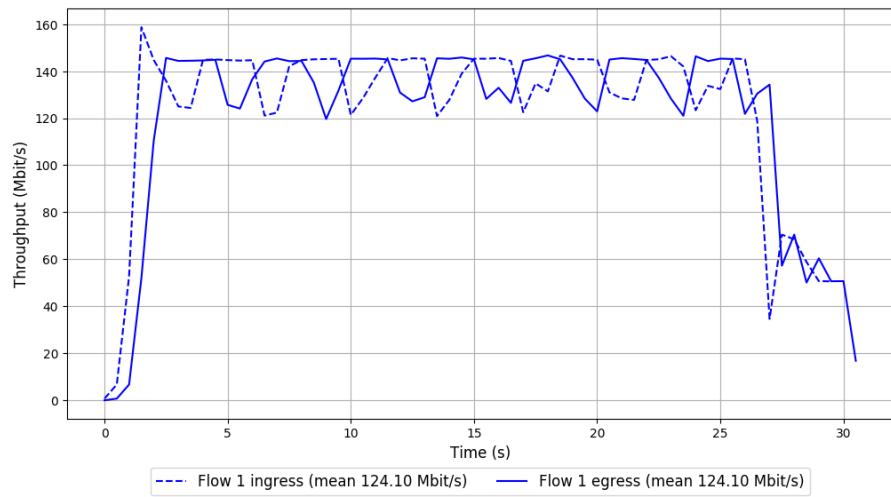


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-30 07:20:51
End at: 2018-05-30 07:21:21
Local clock offset: 32.822 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.10 Mbit/s
95th percentile per-packet one-way delay: 98.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.10 Mbit/s
95th percentile per-packet one-way delay: 98.157 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

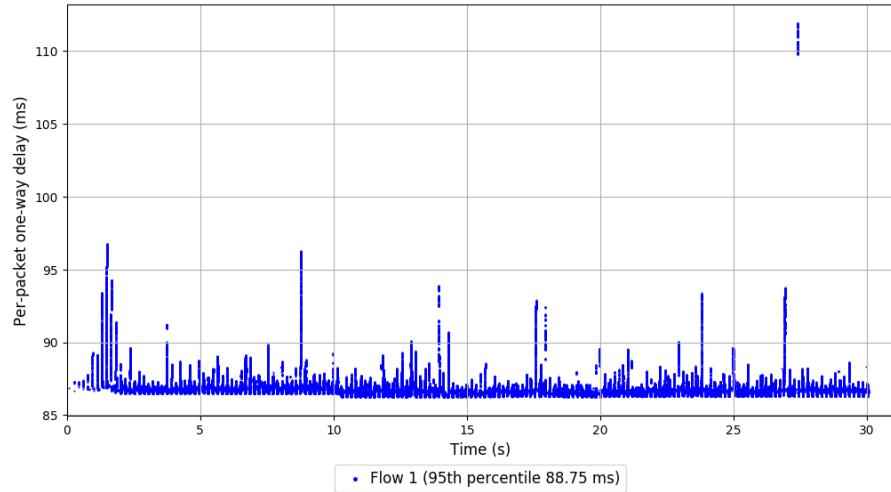
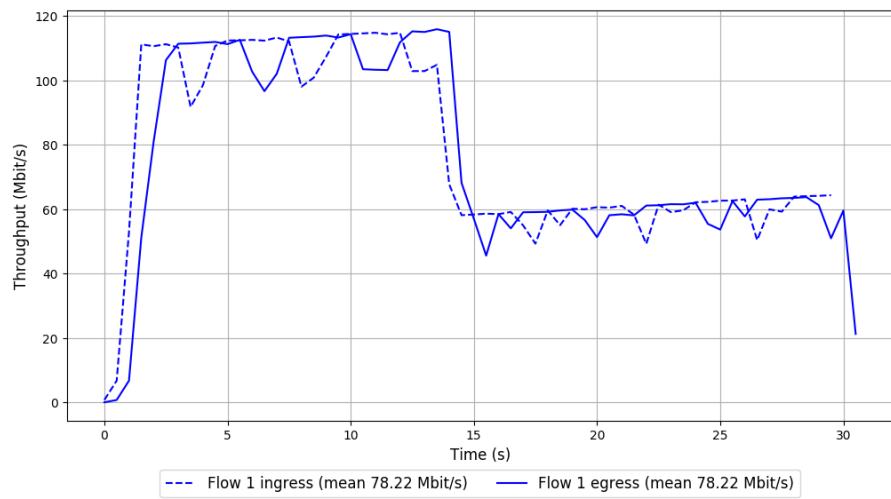


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-30 07:41:48
End at: 2018-05-30 07:42:18
Local clock offset: 13.235 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 88.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 88.746 ms
Loss rate: 0.00%
```

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

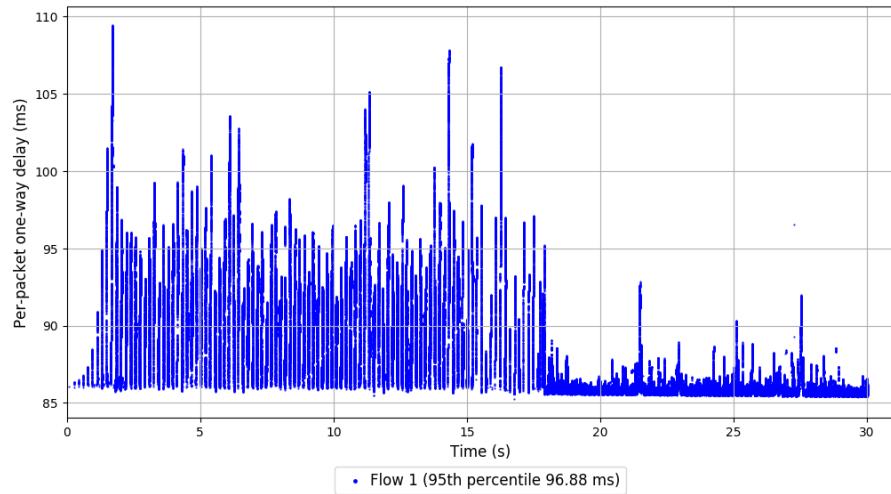
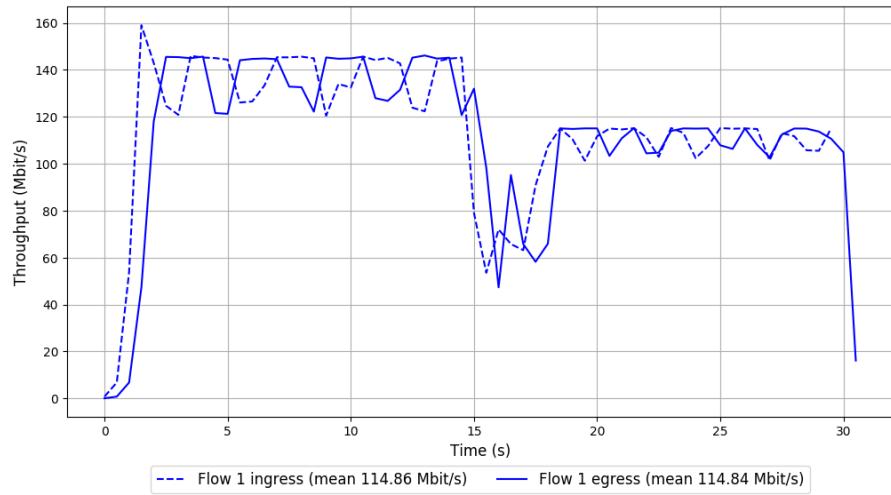


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-30 08:02:38
End at: 2018-05-30 08:03:08
Local clock offset: 11.069 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.84 Mbit/s
95th percentile per-packet one-way delay: 96.884 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 114.84 Mbit/s
95th percentile per-packet one-way delay: 96.884 ms
Loss rate: 0.02%
```

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

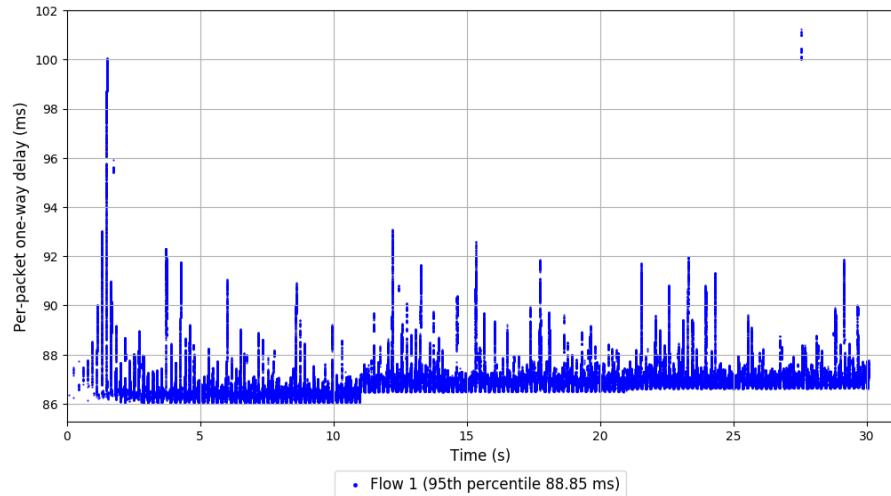
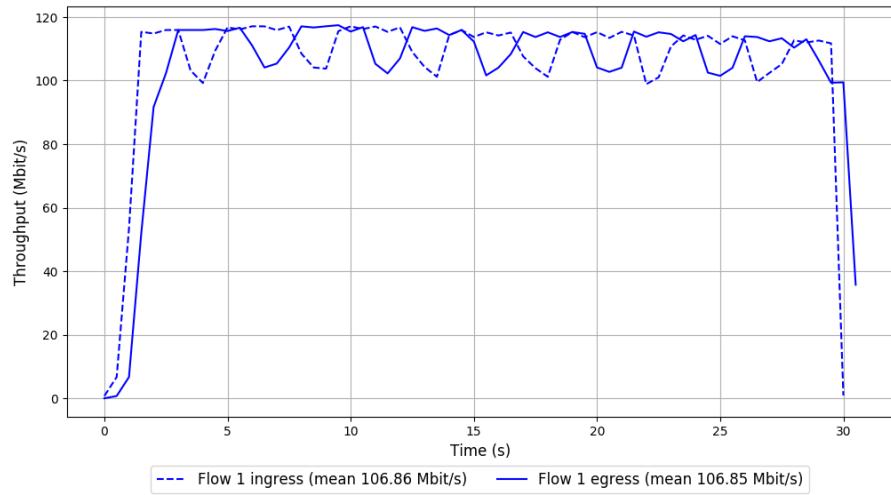


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-30 08:23:28
End at: 2018-05-30 08:23:58
Local clock offset: 7.018 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.85 Mbit/s
95th percentile per-packet one-way delay: 88.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.85 Mbit/s
95th percentile per-packet one-way delay: 88.847 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

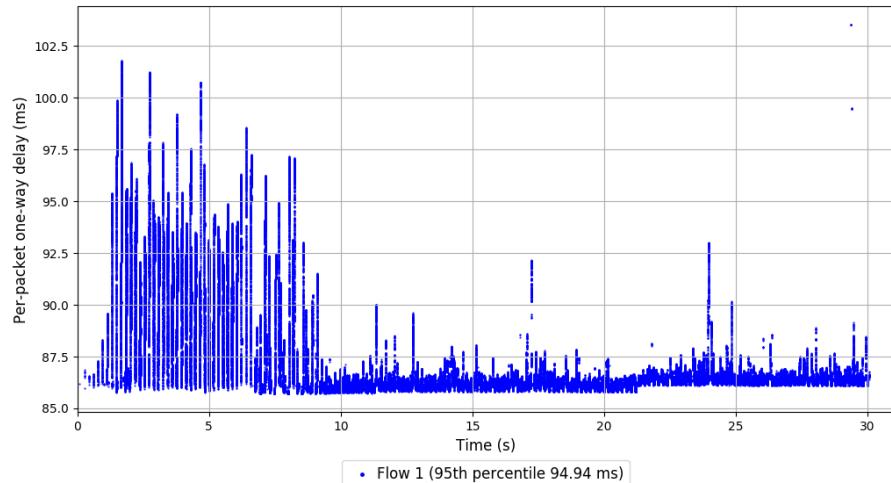
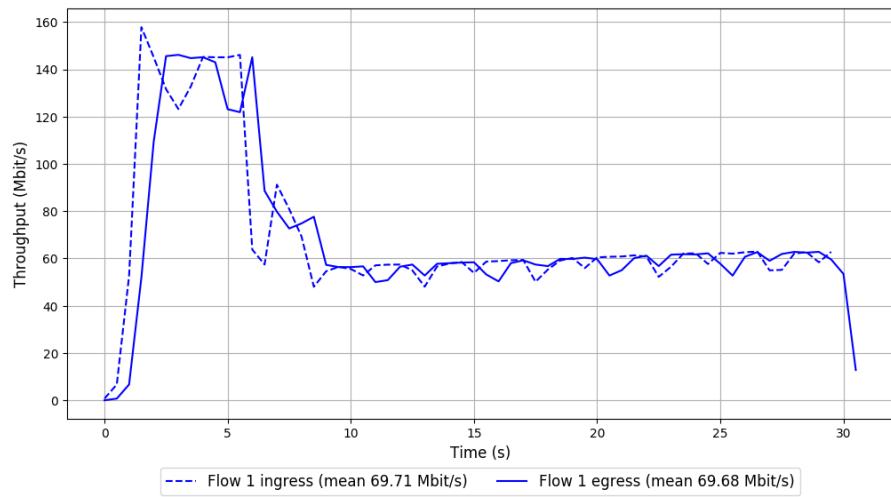


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-30 08:44:37
End at: 2018-05-30 08:45:07
Local clock offset: 2.656 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 94.942 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 94.942 ms
Loss rate: 0.03%
```

Run 5: Report of TCP Vegas — Data Link

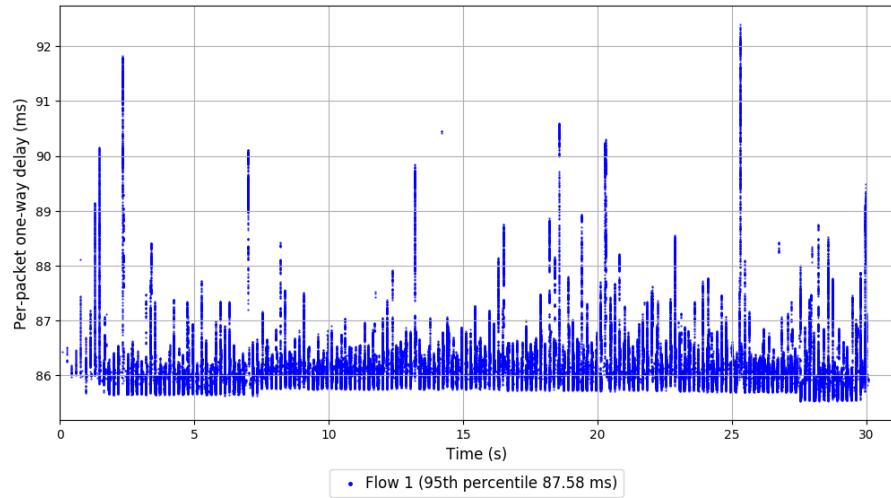
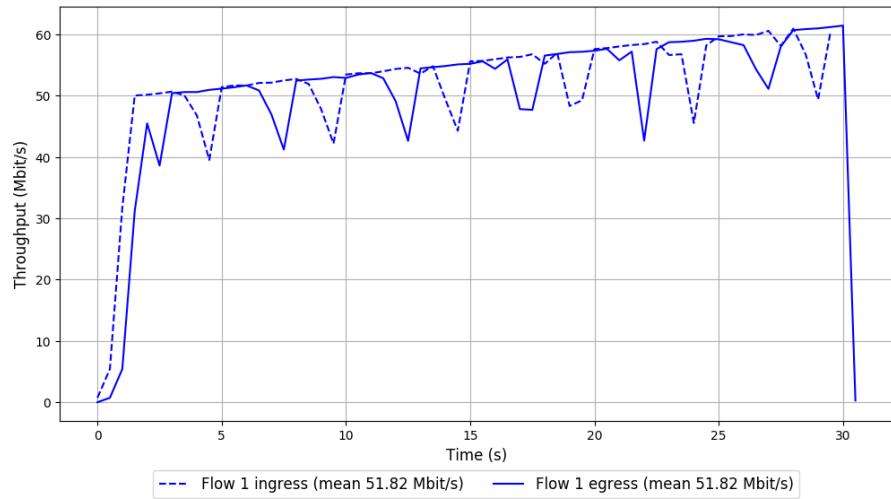


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-30 09:05:31
End at: 2018-05-30 09:06:01
Local clock offset: 2.099 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.82 Mbit/s
95th percentile per-packet one-way delay: 87.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.82 Mbit/s
95th percentile per-packet one-way delay: 87.578 ms
Loss rate: 0.00%
```

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



Run 7: Statistics of TCP Vegas

Start at: 2018-05-30 09:26:23

End at: 2018-05-30 09:26:53

Local clock offset: 0.438 ms

Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-05-30 12:03:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 108.03 Mbit/s

95th percentile per-packet one-way delay: 89.494 ms

Loss rate: 0.00%

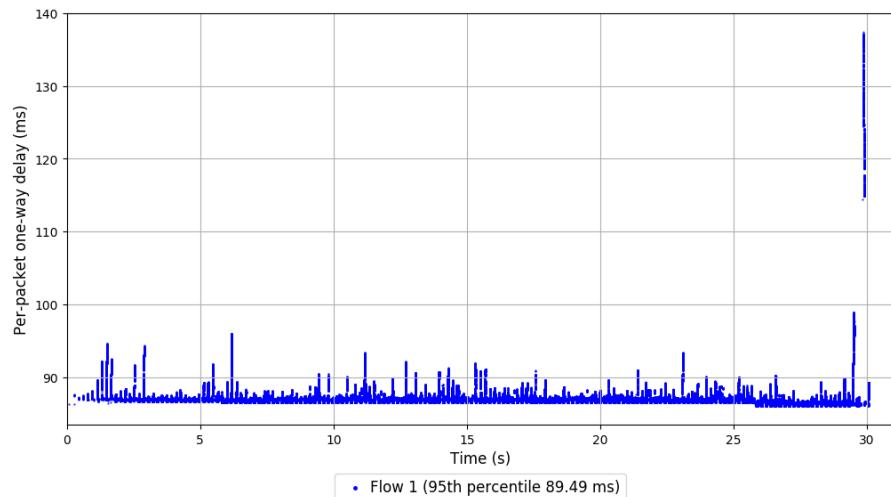
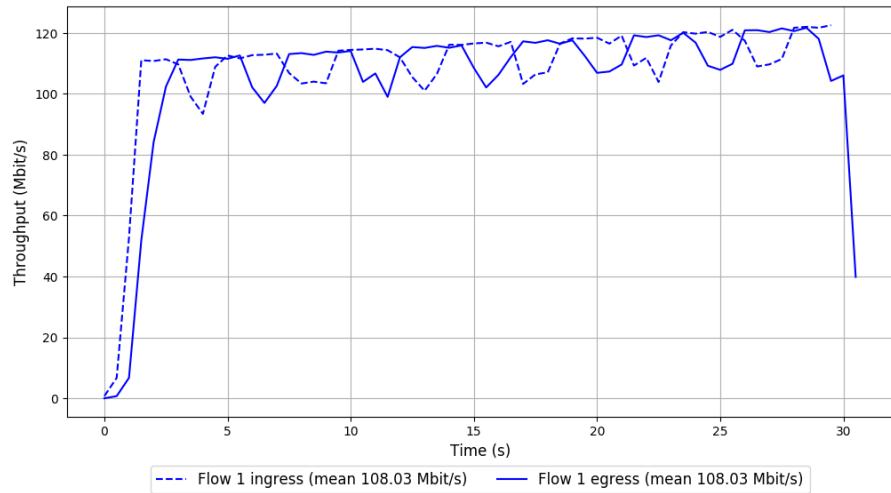
-- Flow 1:

Average throughput: 108.03 Mbit/s

95th percentile per-packet one-way delay: 89.494 ms

Loss rate: 0.00%

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

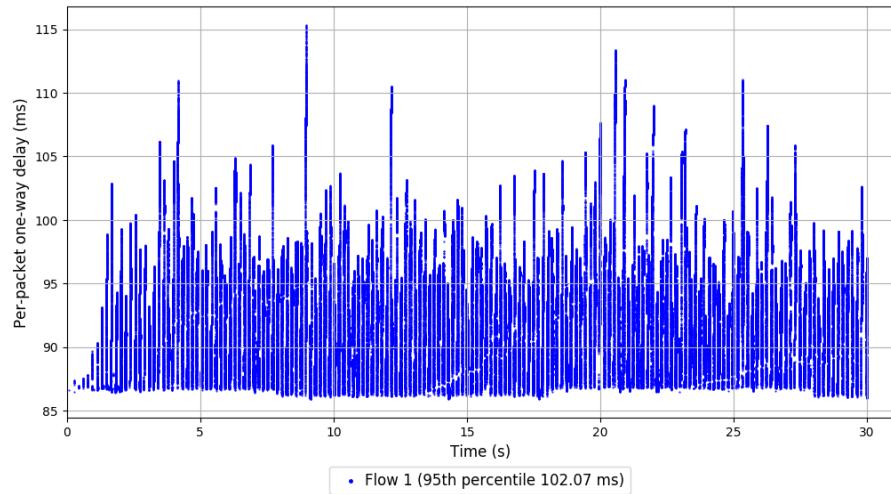
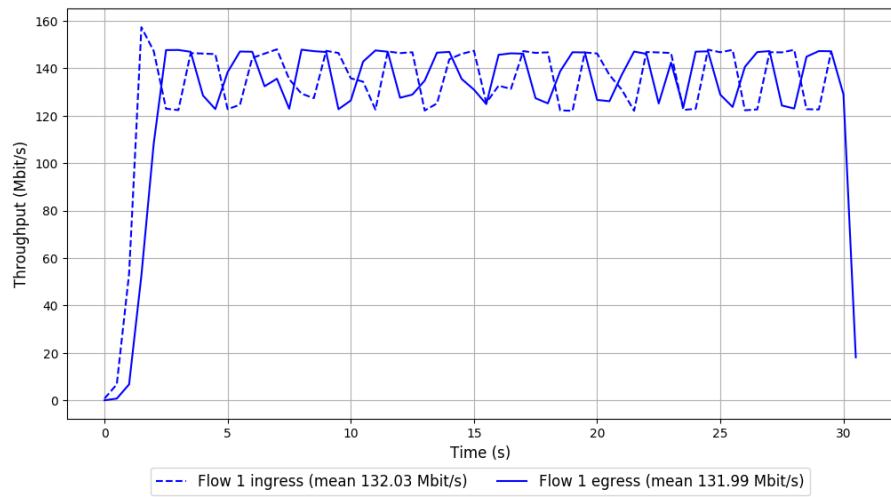


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-30 09:47:01
End at: 2018-05-30 09:47:31
Local clock offset: 0.412 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.99 Mbit/s
95th percentile per-packet one-way delay: 102.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.99 Mbit/s
95th percentile per-packet one-way delay: 102.068 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

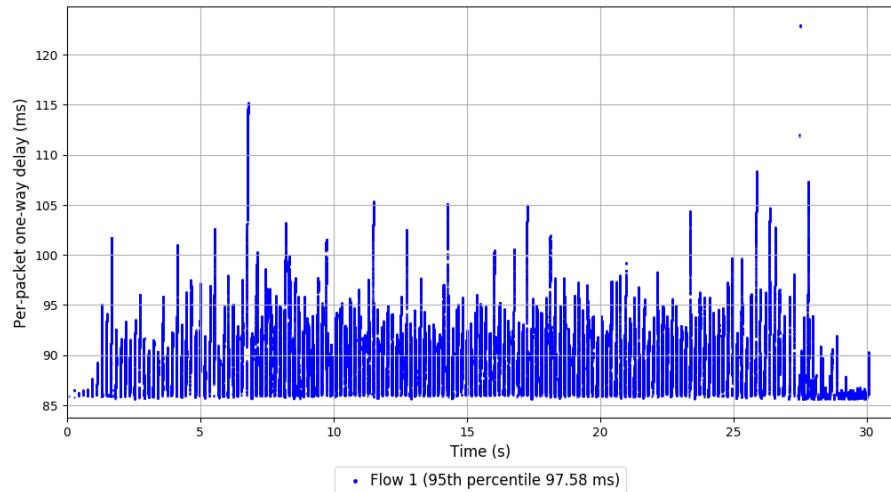
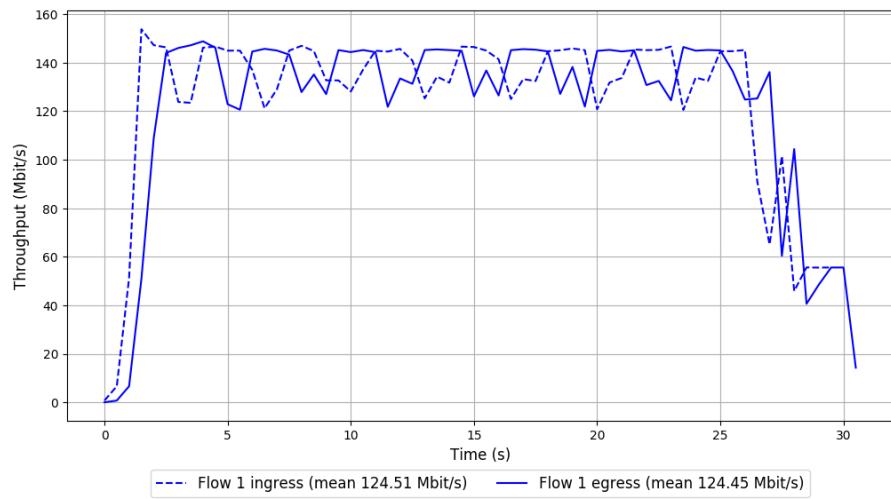


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-30 10:07:49
End at: 2018-05-30 10:08:19
Local clock offset: 0.64 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.45 Mbit/s
95th percentile per-packet one-way delay: 97.577 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 124.45 Mbit/s
95th percentile per-packet one-way delay: 97.577 ms
Loss rate: 0.04%
```

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

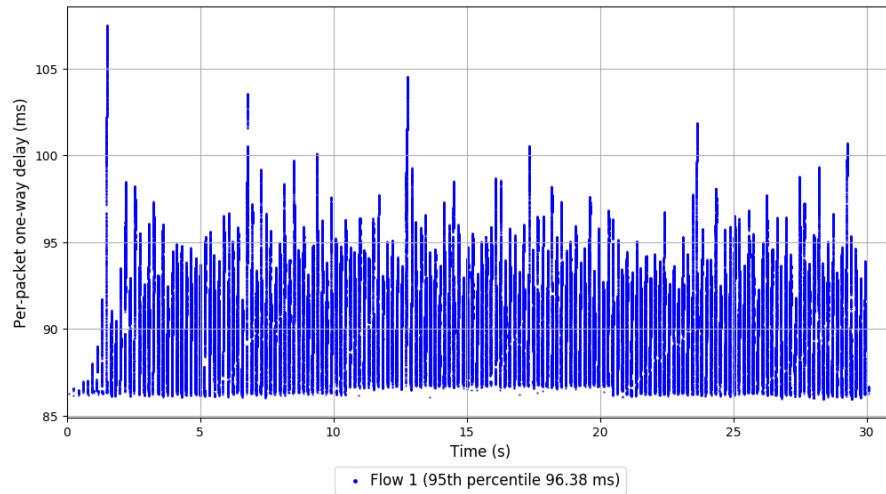
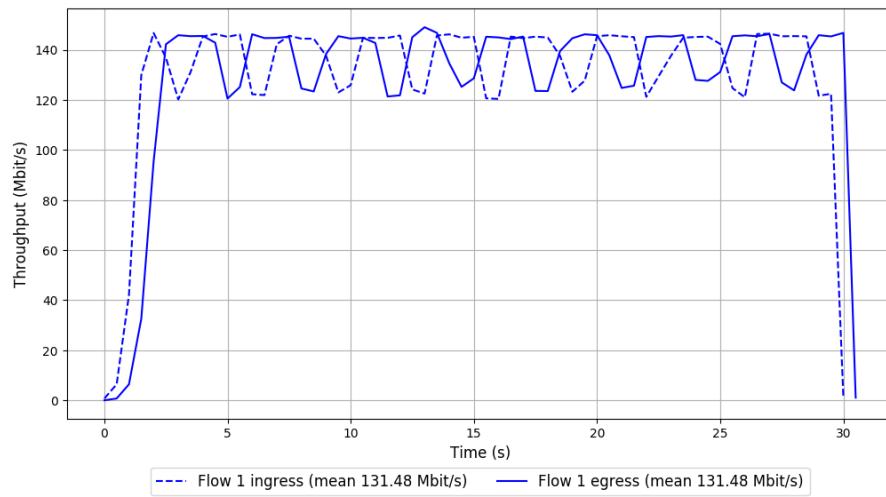


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-30 10:28:48
End at: 2018-05-30 10:29:18
Local clock offset: 0.602 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.48 Mbit/s
95th percentile per-packet one-way delay: 96.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.48 Mbit/s
95th percentile per-packet one-way delay: 96.382 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

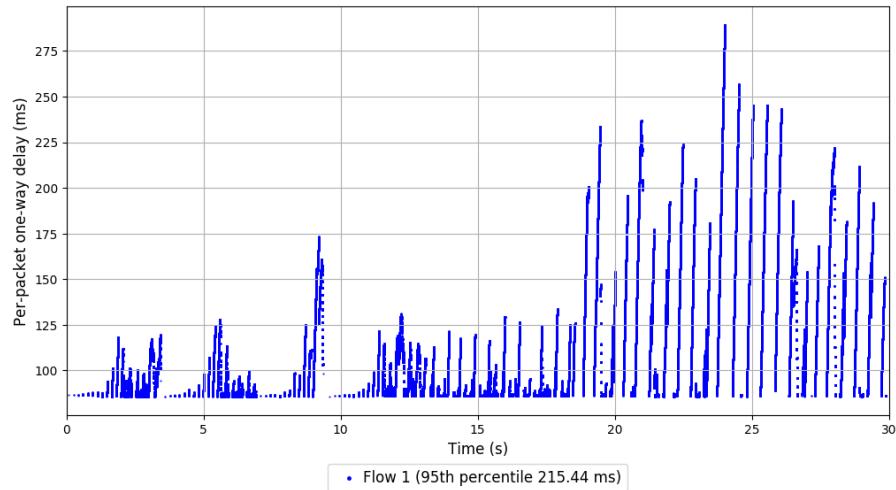
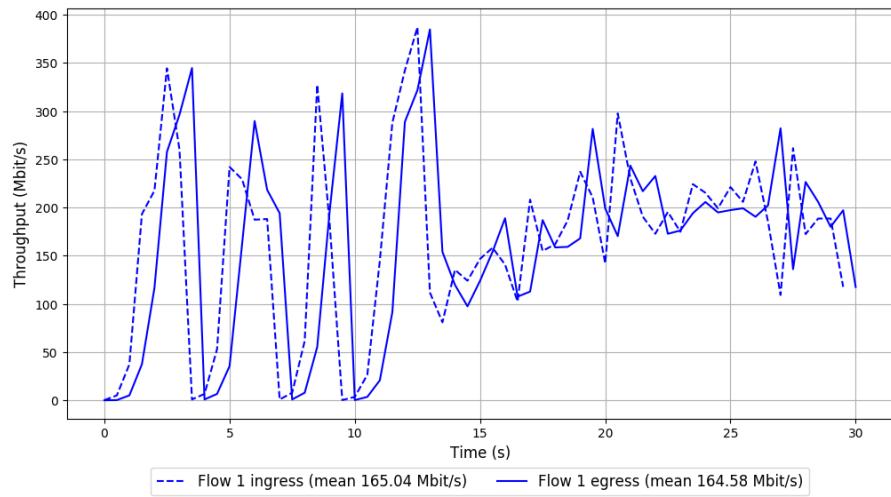


Run 1: Statistics of Verus

```
Start at: 2018-05-30 07:36:07
End at: 2018-05-30 07:36:37
Local clock offset: 14.401 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 164.58 Mbit/s
95th percentile per-packet one-way delay: 215.440 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 164.58 Mbit/s
95th percentile per-packet one-way delay: 215.440 ms
Loss rate: 0.28%
```

Run 1: Report of Verus — Data Link

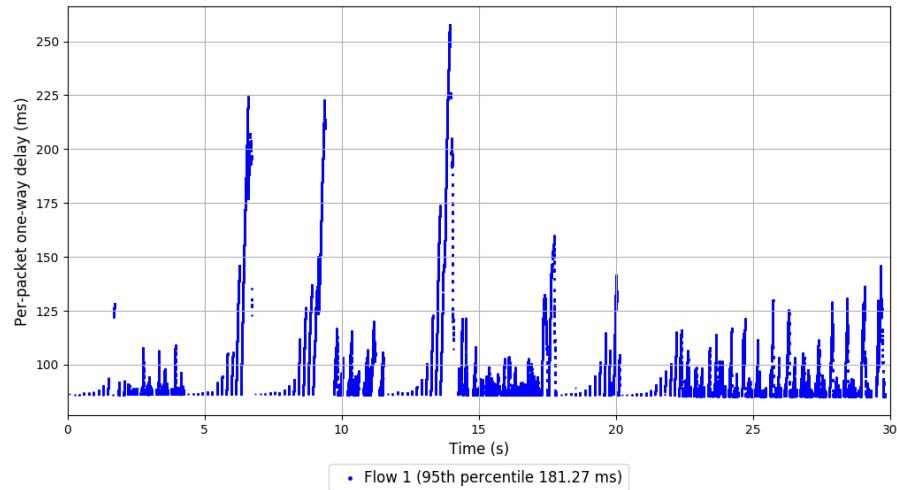
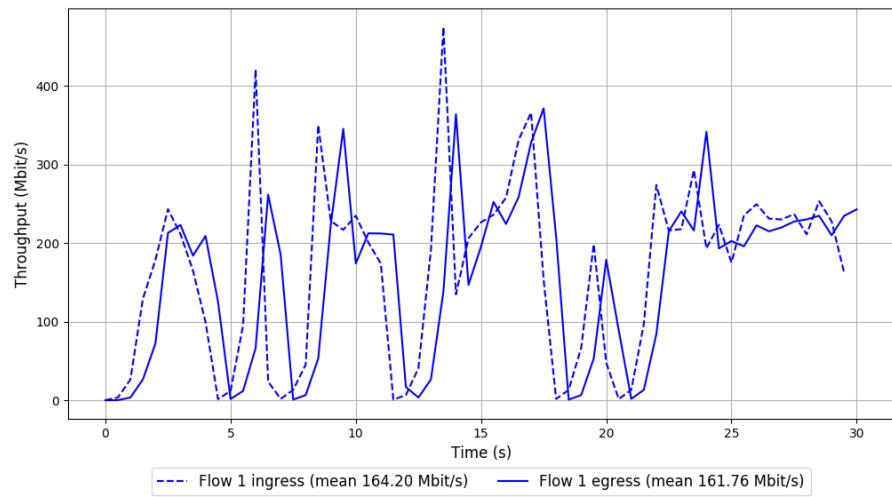


Run 2: Statistics of Verus

```
Start at: 2018-05-30 07:57:06
End at: 2018-05-30 07:57:36
Local clock offset: 17.765 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.76 Mbit/s
95th percentile per-packet one-way delay: 181.274 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 161.76 Mbit/s
95th percentile per-packet one-way delay: 181.274 ms
Loss rate: 1.49%
```

## Run 2: Report of Verus — Data Link

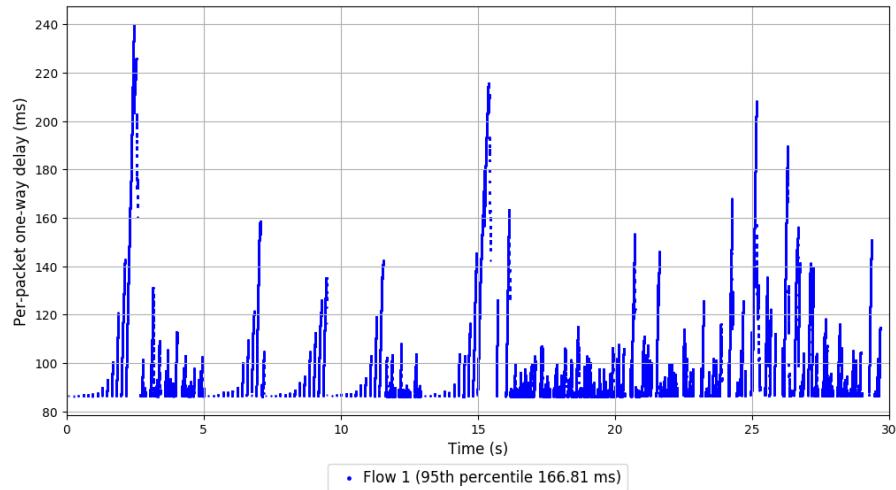
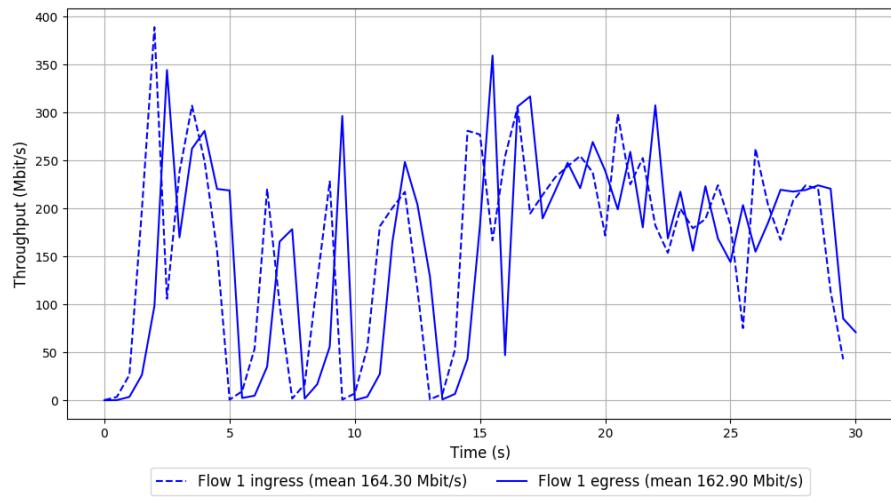


Run 3: Statistics of Verus

```
Start at: 2018-05-30 08:17:47
End at: 2018-05-30 08:18:17
Local clock offset: 6.552 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-05-30 12:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.90 Mbit/s
95th percentile per-packet one-way delay: 166.805 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 162.90 Mbit/s
95th percentile per-packet one-way delay: 166.805 ms
Loss rate: 0.76%
```

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

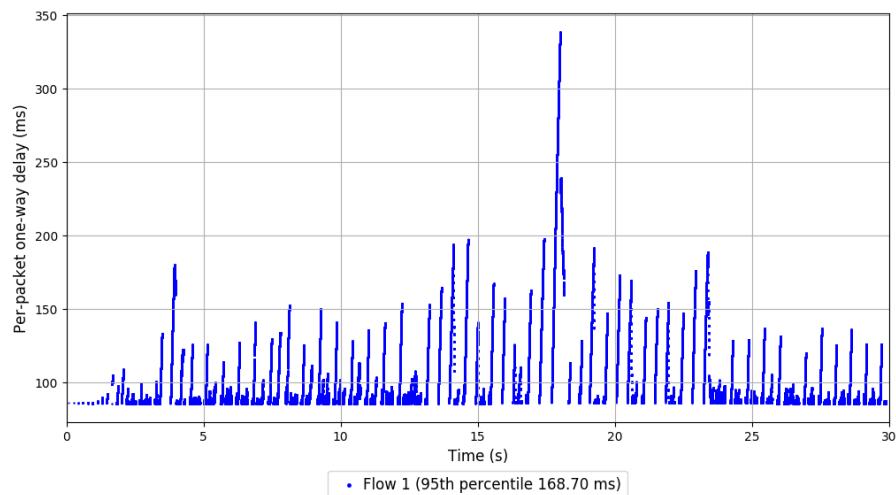
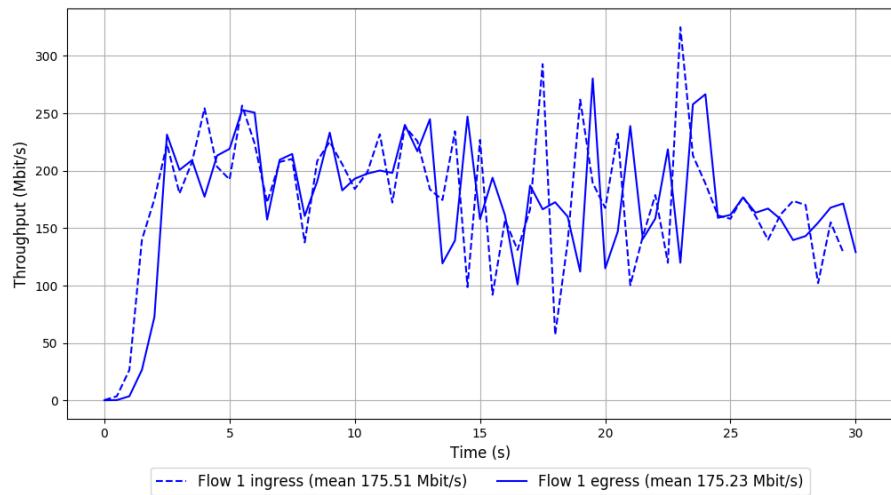


Run 4: Statistics of Verus

```
Start at: 2018-05-30 08:38:53
End at: 2018-05-30 08:39:23
Local clock offset: 4.217 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-05-30 12:04:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.23 Mbit/s
95th percentile per-packet one-way delay: 168.704 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 175.23 Mbit/s
95th percentile per-packet one-way delay: 168.704 ms
Loss rate: 0.16%
```

Run 4: Report of Verus — Data Link

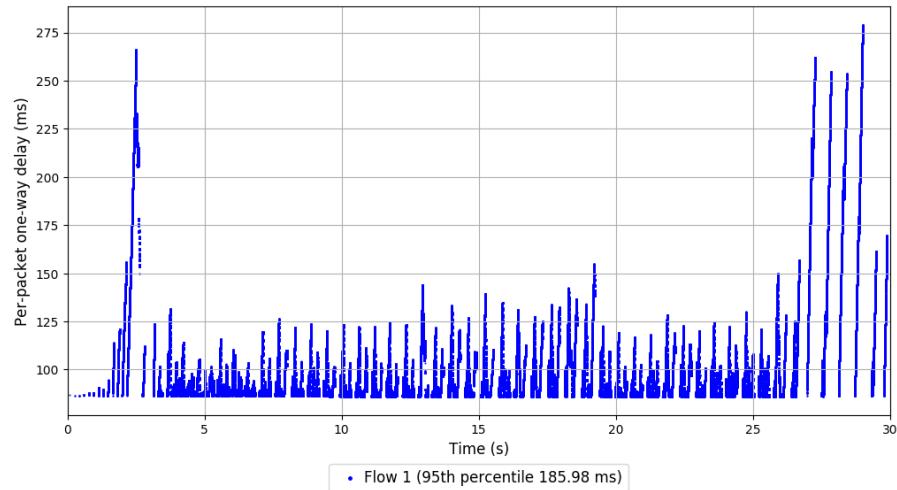
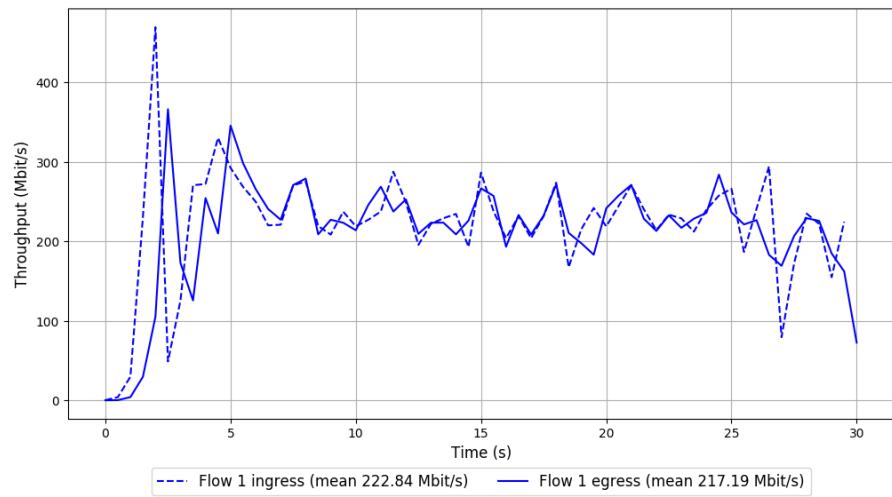


Run 5: Statistics of Verus

```
Start at: 2018-05-30 08:59:49
End at: 2018-05-30 09:00:19
Local clock offset: 1.783 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-05-30 12:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.19 Mbit/s
95th percentile per-packet one-way delay: 185.978 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 217.19 Mbit/s
95th percentile per-packet one-way delay: 185.978 ms
Loss rate: 2.43%
```

Run 5: Report of Verus — Data Link

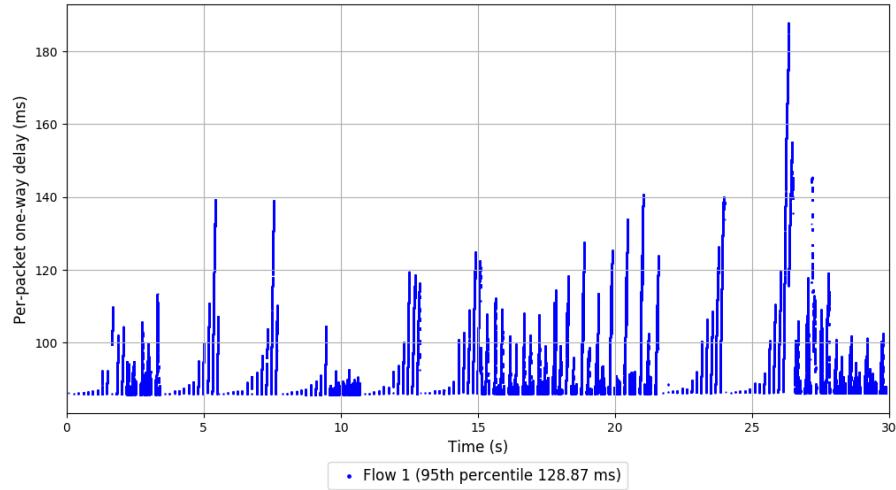
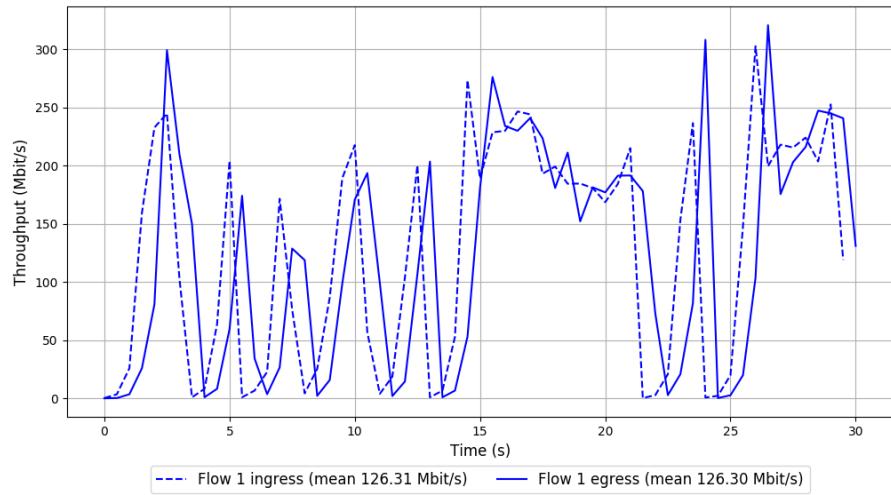


Run 6: Statistics of Verus

```
Start at: 2018-05-30 09:20:47
End at: 2018-05-30 09:21:17
Local clock offset: 0.883 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-05-30 12:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.30 Mbit/s
95th percentile per-packet one-way delay: 128.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.30 Mbit/s
95th percentile per-packet one-way delay: 128.866 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

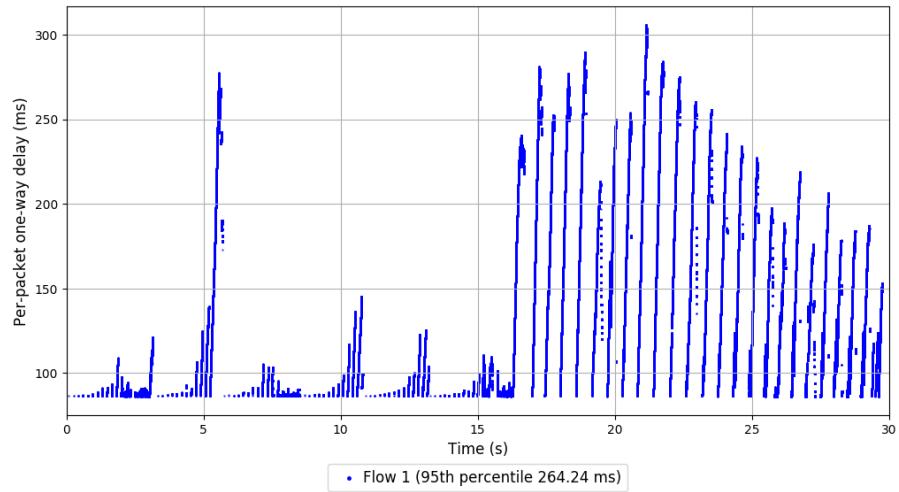
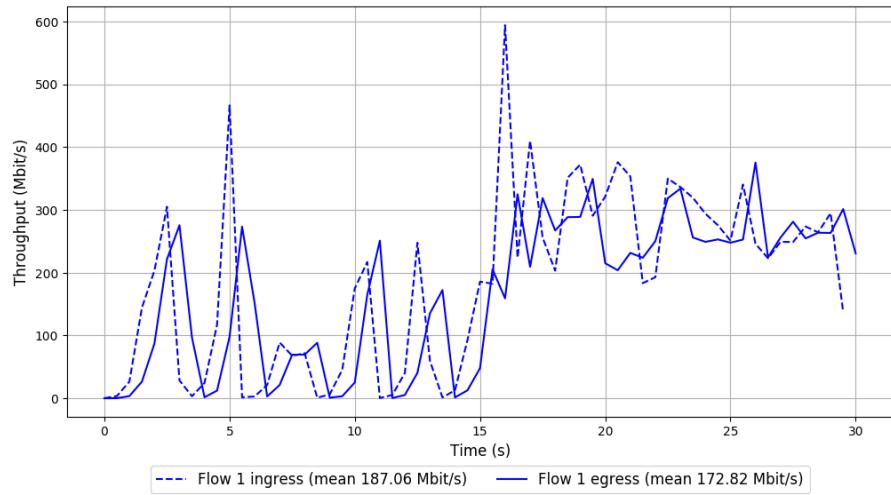


Run 7: Statistics of Verus

```
Start at: 2018-05-30 09:41:25
End at: 2018-05-30 09:41:55
Local clock offset: 0.566 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-05-30 12:05:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.82 Mbit/s
95th percentile per-packet one-way delay: 264.242 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 172.82 Mbit/s
95th percentile per-packet one-way delay: 264.242 ms
Loss rate: 7.42%
```

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

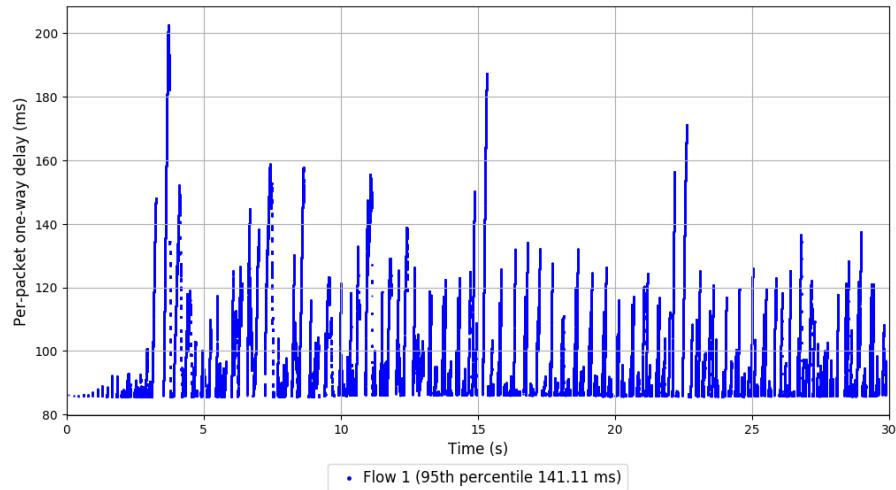
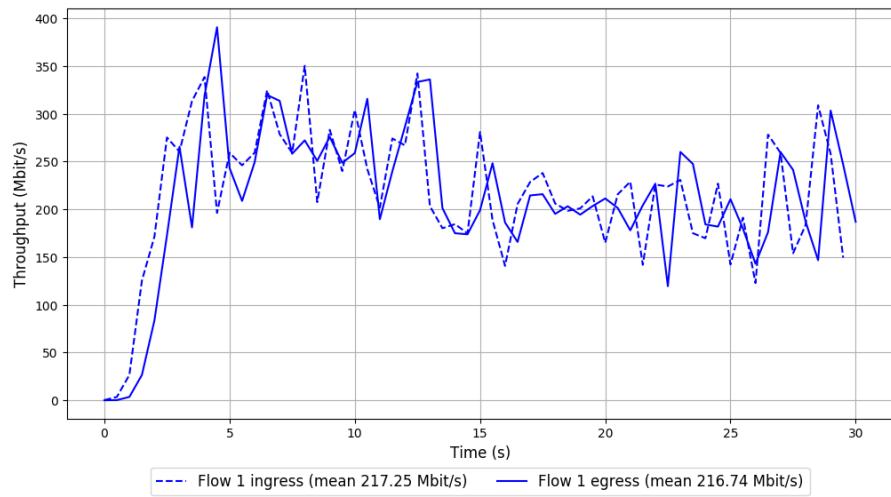


Run 8: Statistics of Verus

```
Start at: 2018-05-30 10:02:09
End at: 2018-05-30 10:02:39
Local clock offset: 0.597 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-05-30 12:05:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.74 Mbit/s
95th percentile per-packet one-way delay: 141.111 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 216.74 Mbit/s
95th percentile per-packet one-way delay: 141.111 ms
Loss rate: 0.24%
```

Run 8: Report of Verus — Data Link

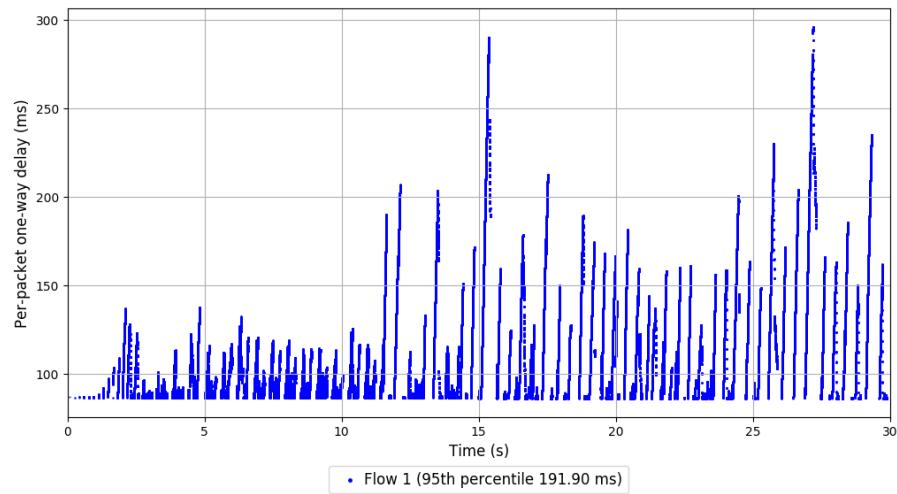
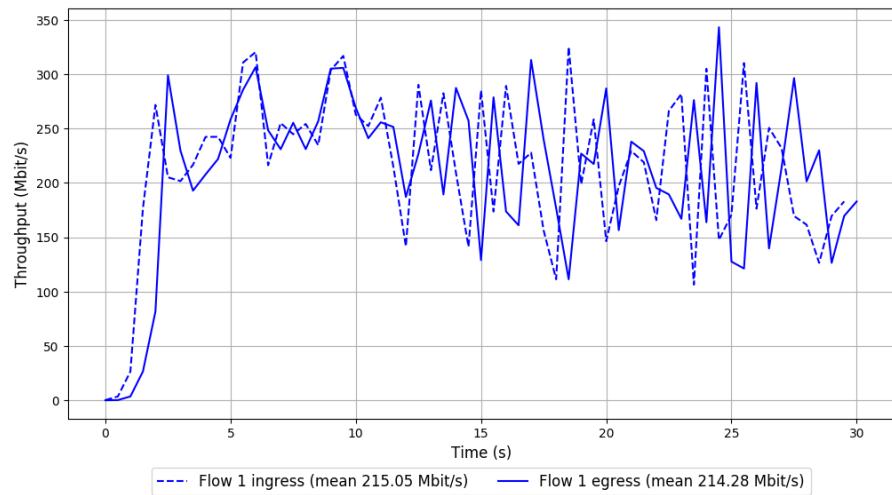


Run 9: Statistics of Verus

```
Start at: 2018-05-30 10:23:04
End at: 2018-05-30 10:23:34
Local clock offset: 0.638 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-30 12:06:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.28 Mbit/s
95th percentile per-packet one-way delay: 191.897 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 214.28 Mbit/s
95th percentile per-packet one-way delay: 191.897 ms
Loss rate: 0.36%
```

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

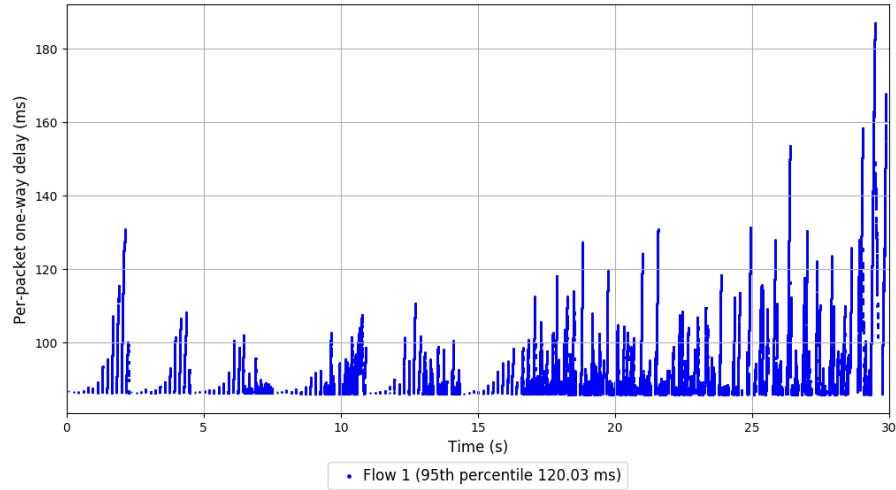
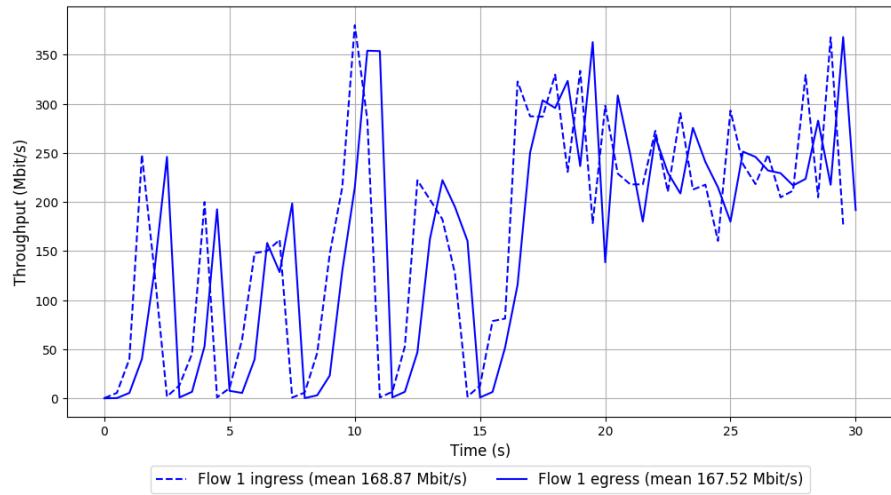


Run 10: Statistics of Verus

```
Start at: 2018-05-30 10:44:10
End at: 2018-05-30 10:44:40
Local clock offset: 0.887 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2018-05-30 12:06:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 167.52 Mbit/s
95th percentile per-packet one-way delay: 120.034 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 167.52 Mbit/s
95th percentile per-packet one-way delay: 120.034 ms
Loss rate: 0.68%
```

Run 10: Report of Verus — Data Link

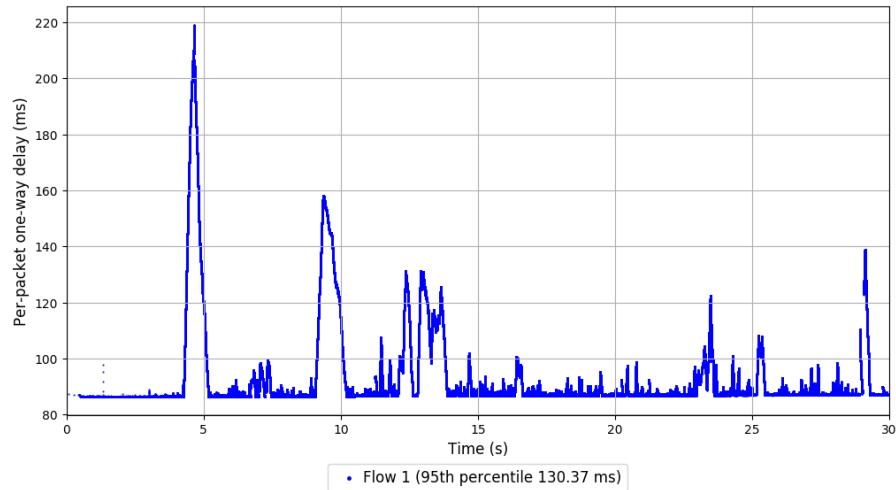
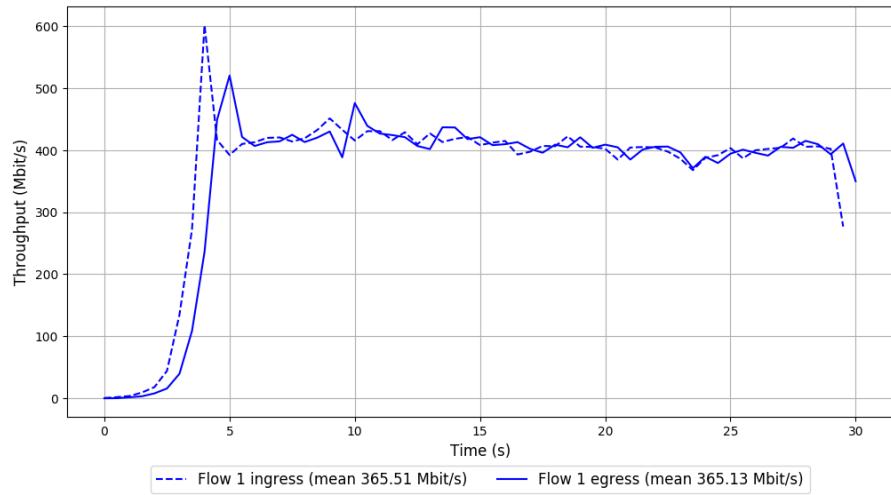


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-30 07:16:28
End at: 2018-05-30 07:16:58
Local clock offset: 28.892 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-05-30 12:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 365.13 Mbit/s
95th percentile per-packet one-way delay: 130.373 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 365.13 Mbit/s
95th percentile per-packet one-way delay: 130.373 ms
Loss rate: 0.11%
```

Run 1: Report of PCC-Vivace — Data Link

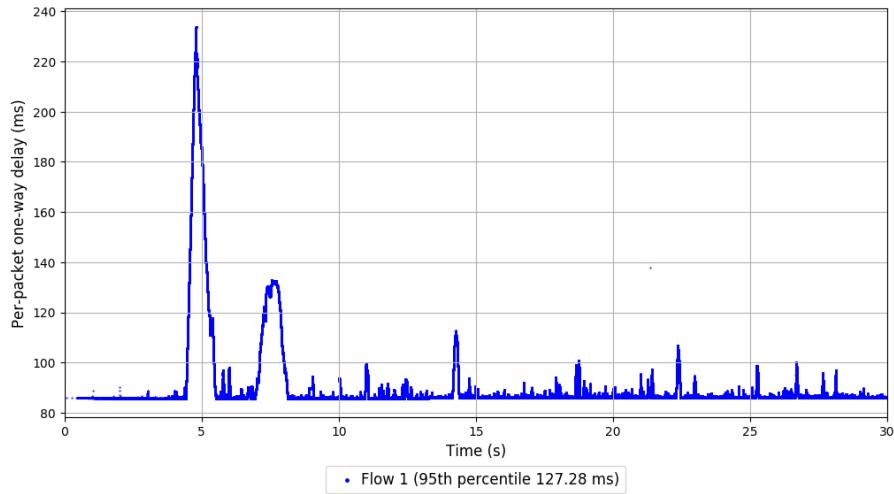
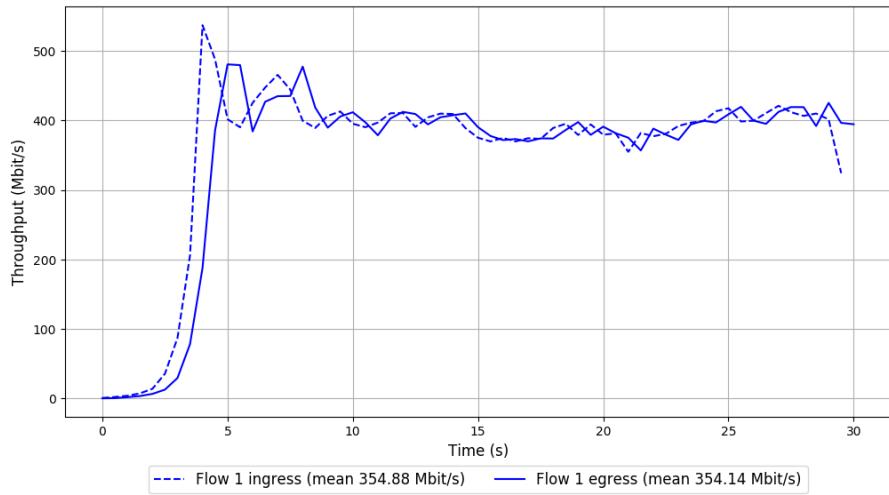


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-30 07:37:25
End at: 2018-05-30 07:37:55
Local clock offset: 13.947 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-05-30 12:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.14 Mbit/s
95th percentile per-packet one-way delay: 127.282 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 354.14 Mbit/s
95th percentile per-packet one-way delay: 127.282 ms
Loss rate: 0.21%
```

Run 2: Report of PCC-Vivace — Data Link

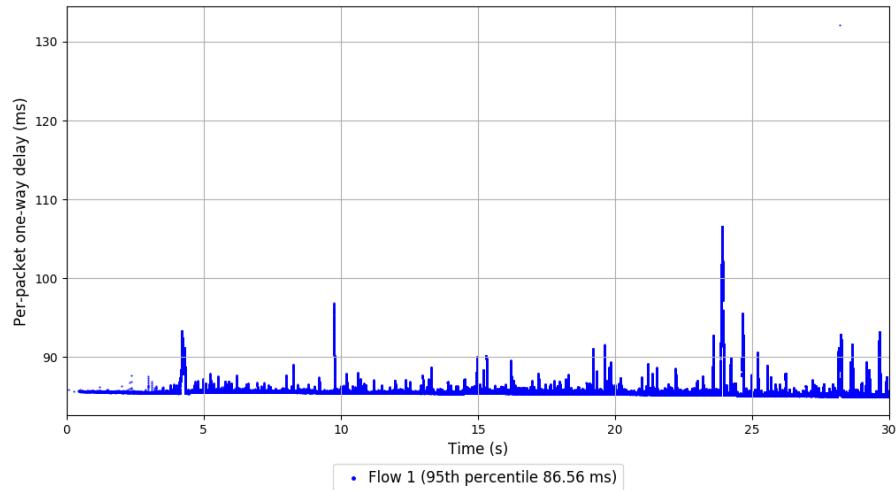
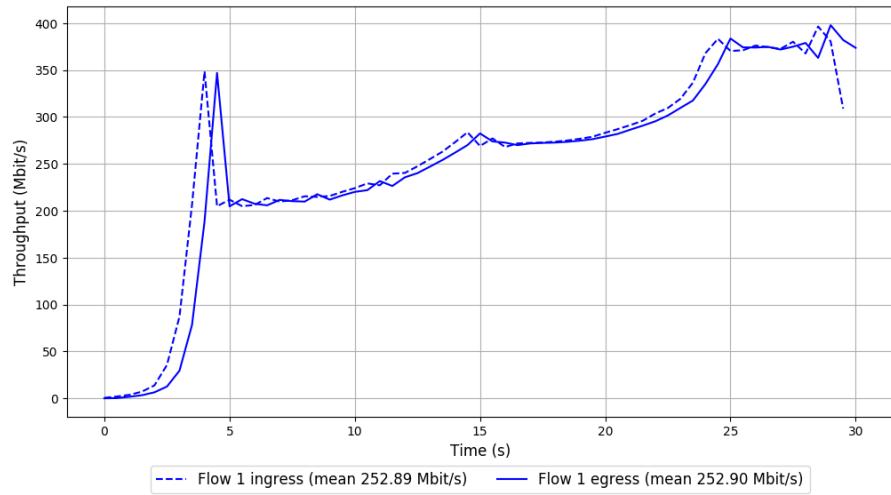


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-30 07:58:24
End at: 2018-05-30 07:58:54
Local clock offset: 15.804 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-05-30 12:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.90 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.90 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

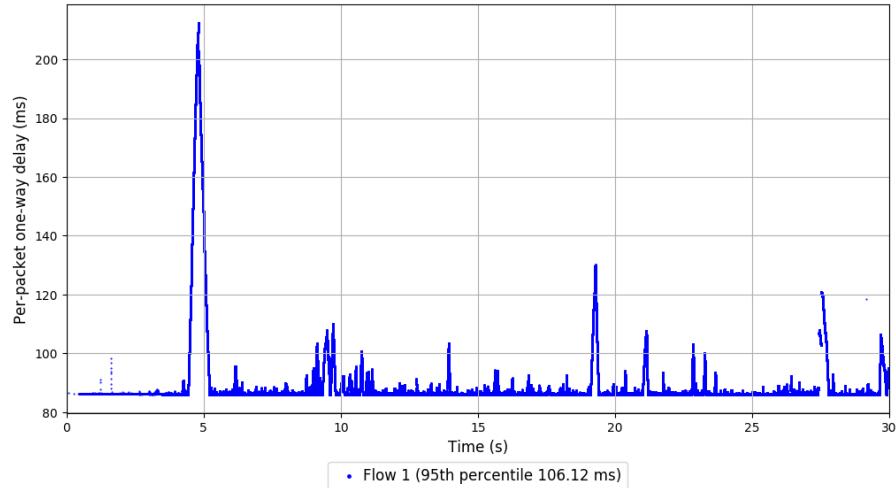
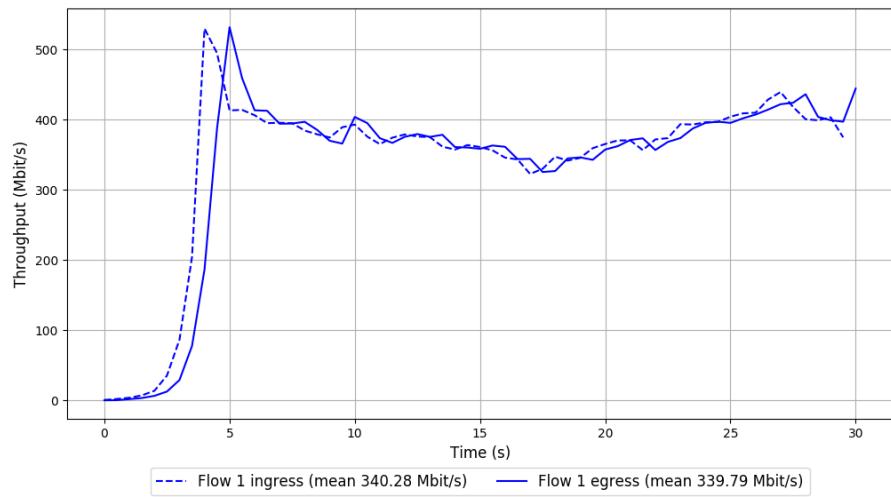


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-30 08:19:05
End at: 2018-05-30 08:19:35
Local clock offset: 6.579 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-30 12:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.79 Mbit/s
95th percentile per-packet one-way delay: 106.123 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 339.79 Mbit/s
95th percentile per-packet one-way delay: 106.123 ms
Loss rate: 0.14%
```

Run 4: Report of PCC-Vivace — Data Link

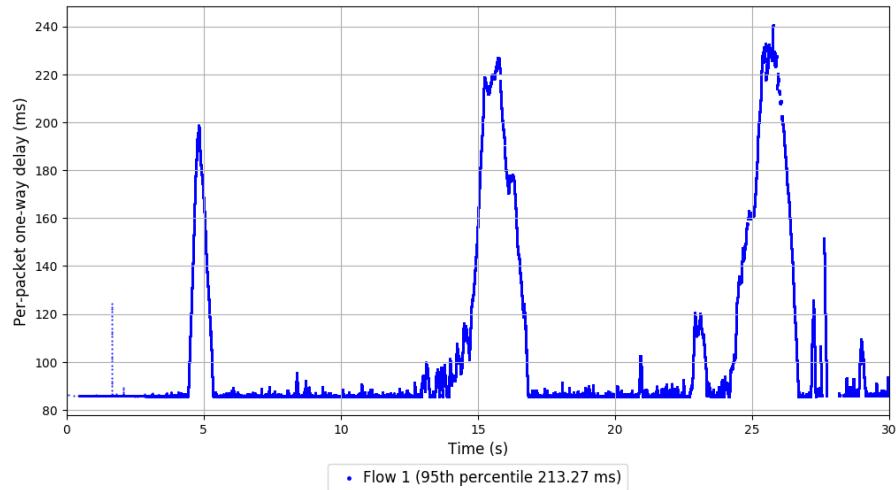
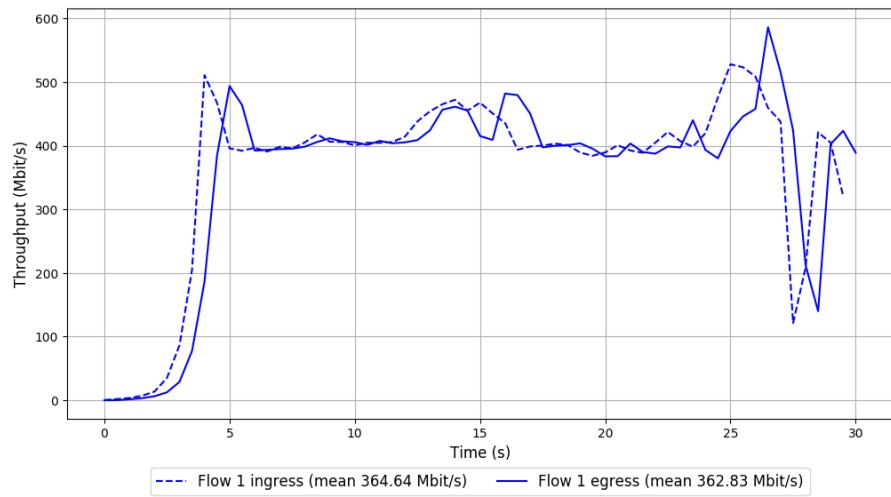


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-30 08:40:11
End at: 2018-05-30 08:40:41
Local clock offset: 3.703 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-05-30 12:10:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 362.83 Mbit/s
95th percentile per-packet one-way delay: 213.274 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 362.83 Mbit/s
95th percentile per-packet one-way delay: 213.274 ms
Loss rate: 0.50%
```

Run 5: Report of PCC-Vivace — Data Link

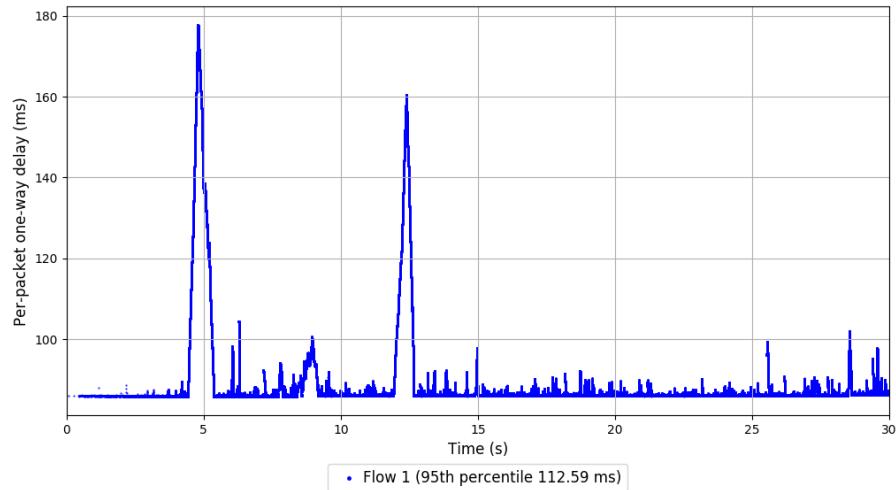
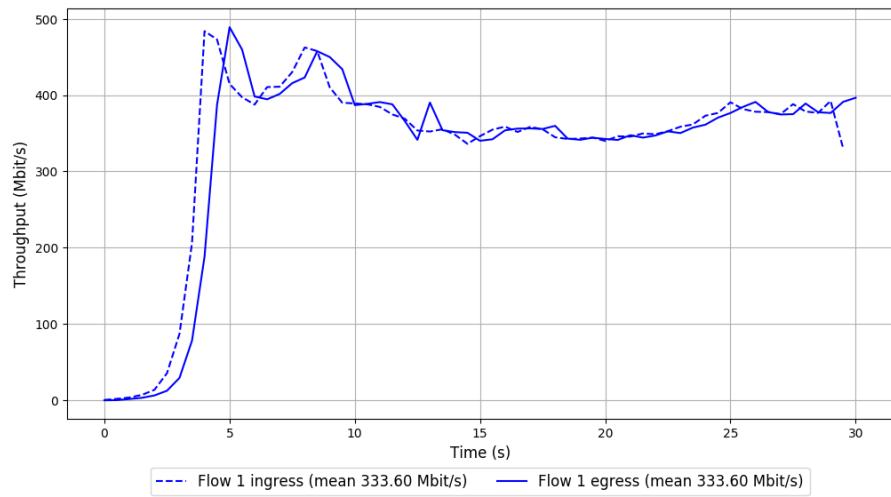


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-30 09:01:10
End at: 2018-05-30 09:01:40
Local clock offset: 2.067 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-05-30 12:11:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.60 Mbit/s
95th percentile per-packet one-way delay: 112.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 333.60 Mbit/s
95th percentile per-packet one-way delay: 112.588 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

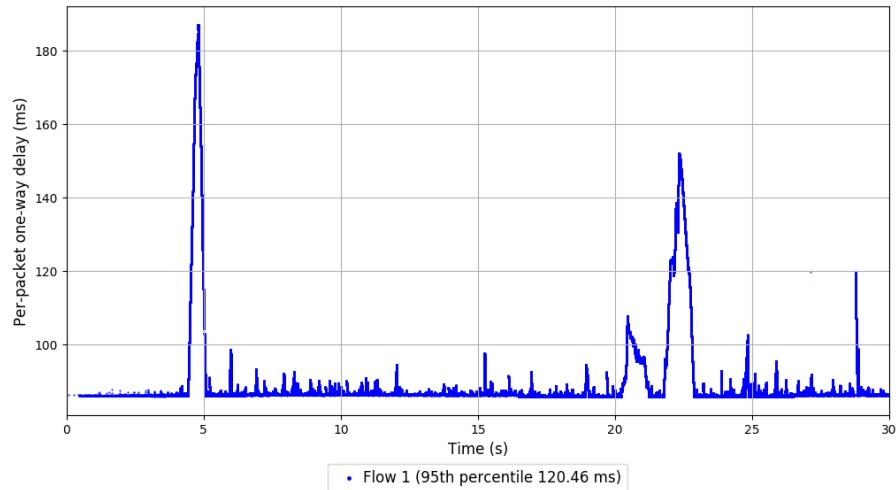
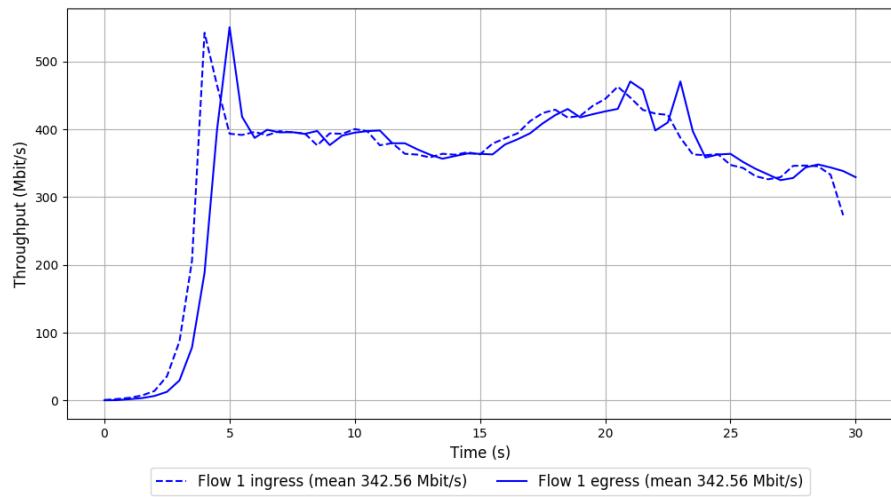


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-30 09:22:02
End at: 2018-05-30 09:22:32
Local clock offset: 0.725 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-05-30 12:11:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 342.56 Mbit/s
95th percentile per-packet one-way delay: 120.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 342.56 Mbit/s
95th percentile per-packet one-way delay: 120.461 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Vivace — Data Link

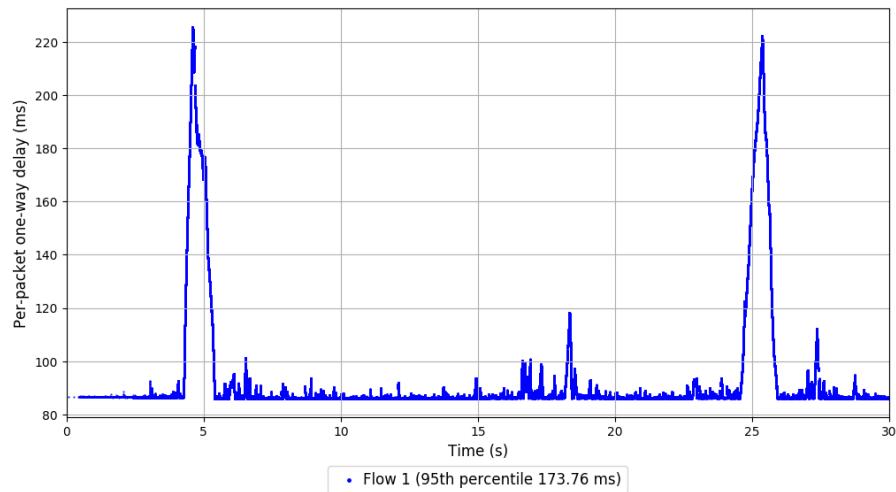
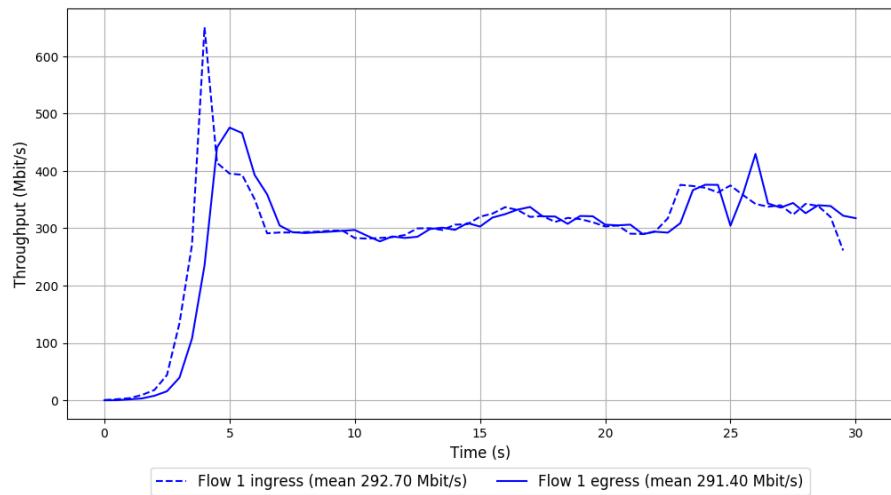


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-30 09:42:43
End at: 2018-05-30 09:43:13
Local clock offset: 0.527 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-05-30 12:11:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 291.40 Mbit/s
95th percentile per-packet one-way delay: 173.760 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 291.40 Mbit/s
95th percentile per-packet one-way delay: 173.760 ms
Loss rate: 0.44%
```

Run 8: Report of PCC-Vivace — Data Link

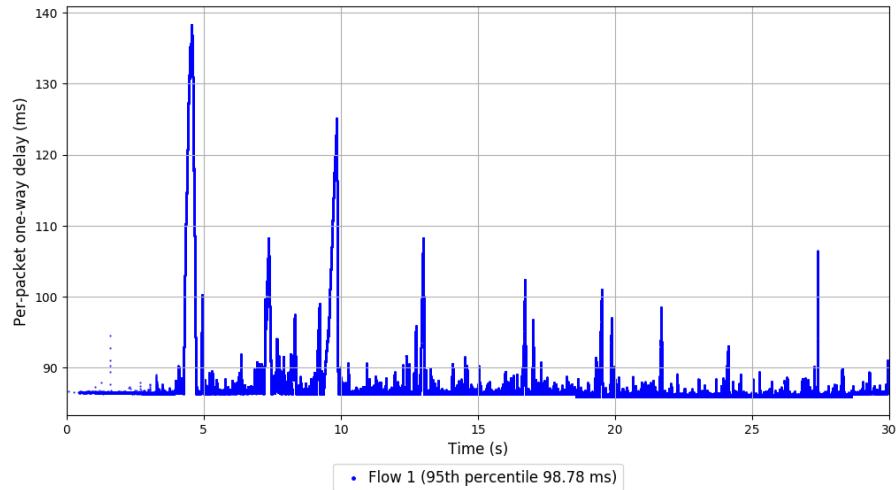
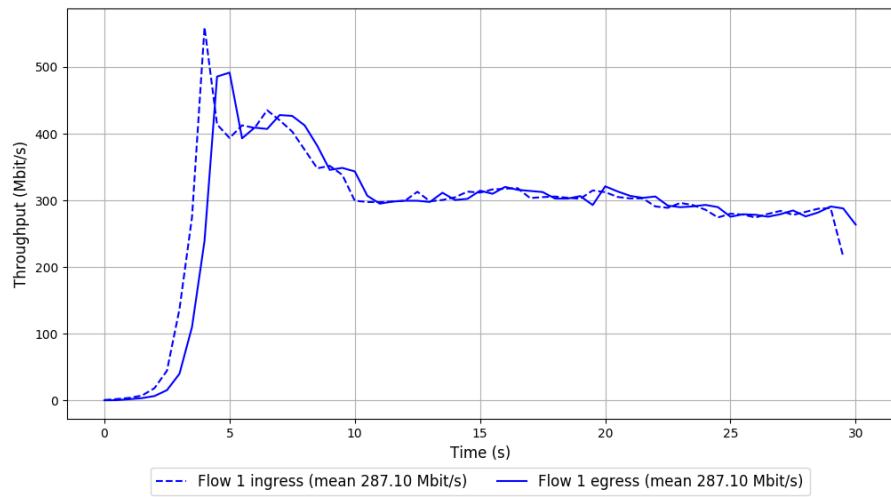


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-30 10:03:30
End at: 2018-05-30 10:04:00
Local clock offset: 0.369 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2018-05-30 12:11:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 287.10 Mbit/s
95th percentile per-packet one-way delay: 98.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 287.10 Mbit/s
95th percentile per-packet one-way delay: 98.783 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

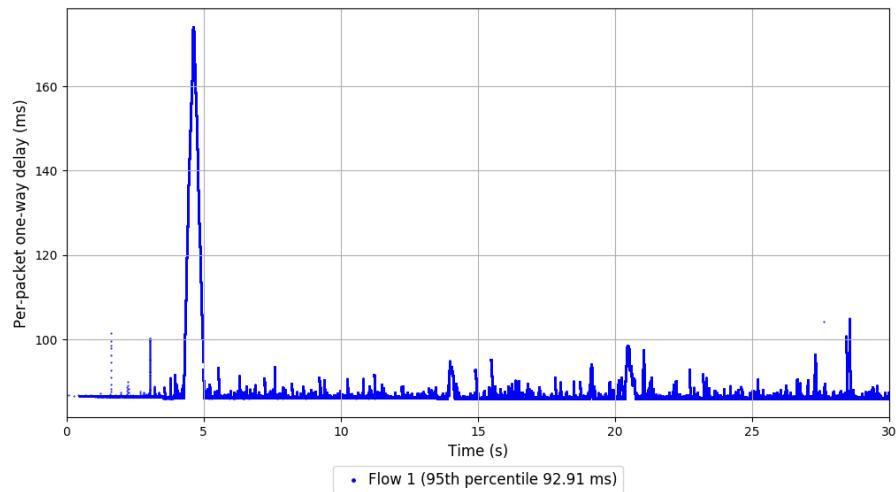
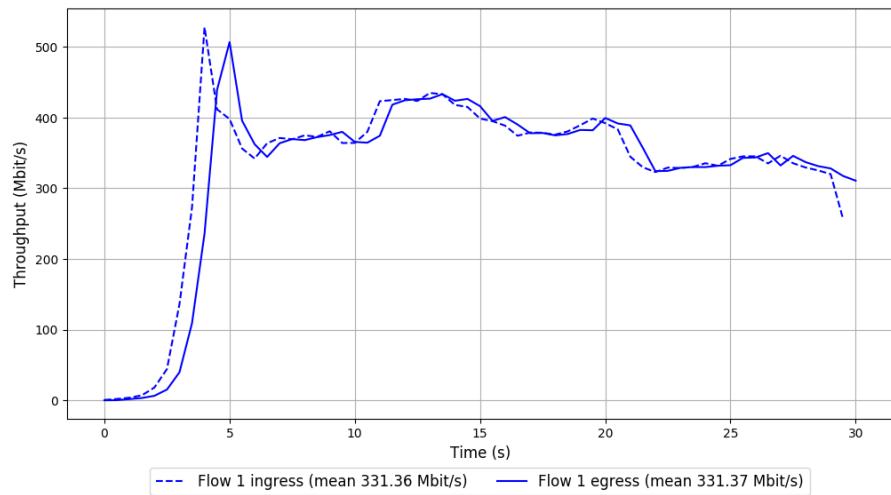


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-30 10:24:25
End at: 2018-05-30 10:24:55
Local clock offset: 0.554 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 331.37 Mbit/s
95th percentile per-packet one-way delay: 92.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 331.37 Mbit/s
95th percentile per-packet one-way delay: 92.913 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link

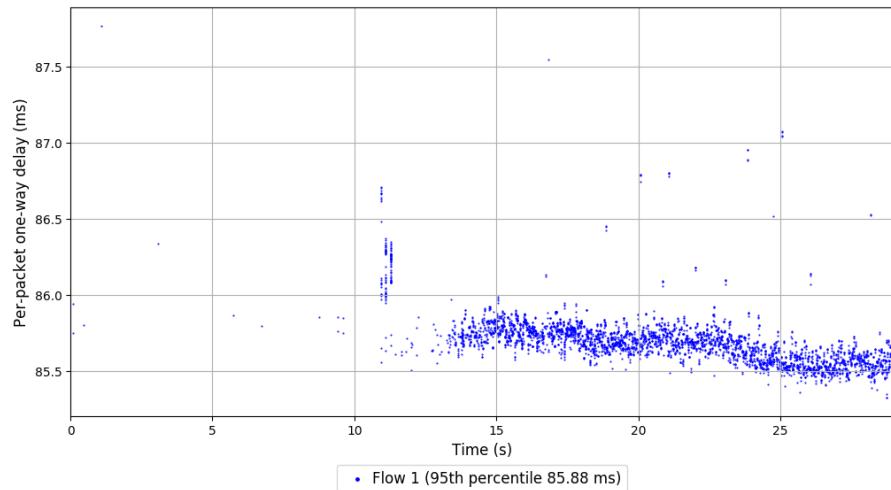
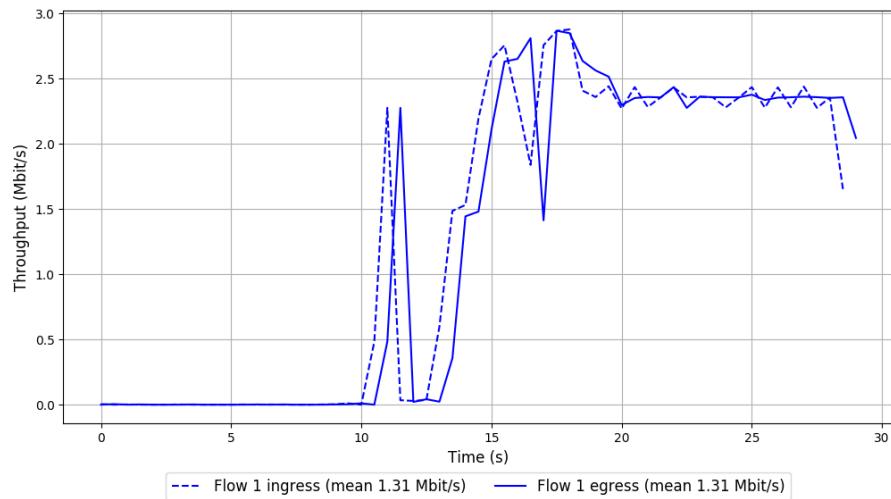


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-30 07:33:24
End at: 2018-05-30 07:33:54
Local clock offset: 15.815 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 85.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 85.884 ms
Loss rate: 0.00%
```

### Run 1: Report of WebRTC media — Data Link

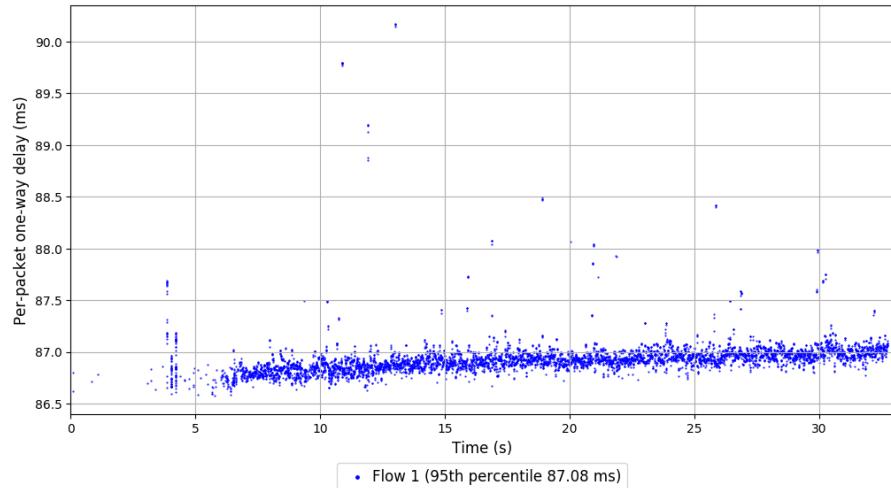
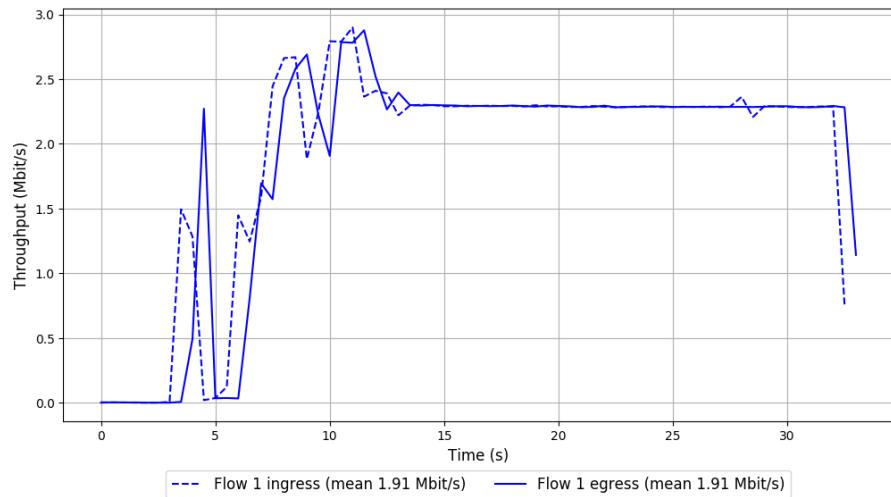


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-30 07:54:22
End at: 2018-05-30 07:54:52
Local clock offset: 16.554 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 87.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 87.080 ms
Loss rate: 0.00%
```

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

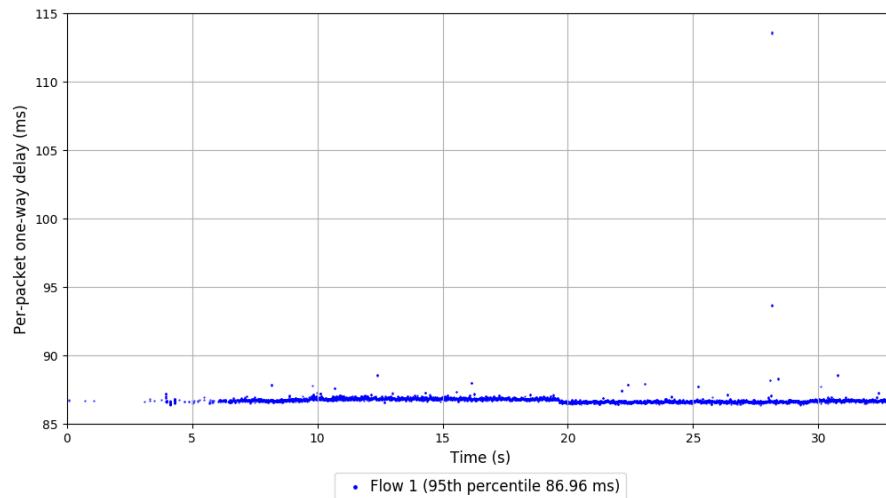
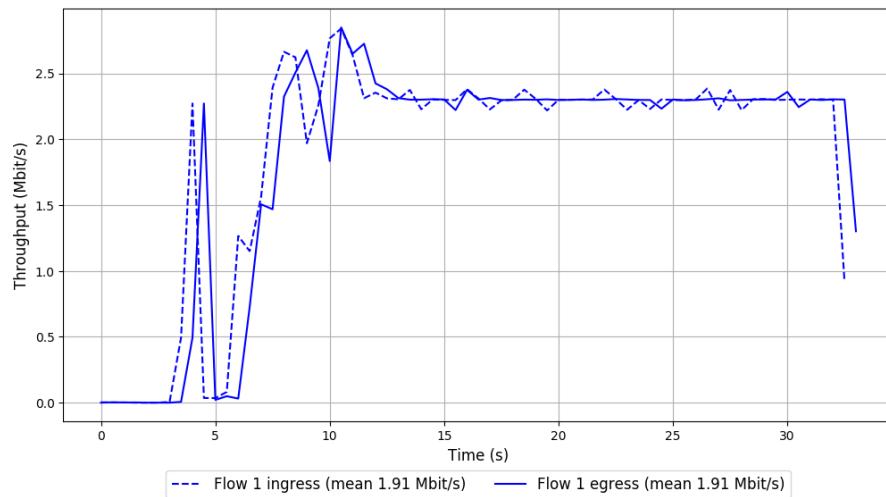


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-30 08:15:02
End at: 2018-05-30 08:15:32
Local clock offset: 6.497 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.958 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

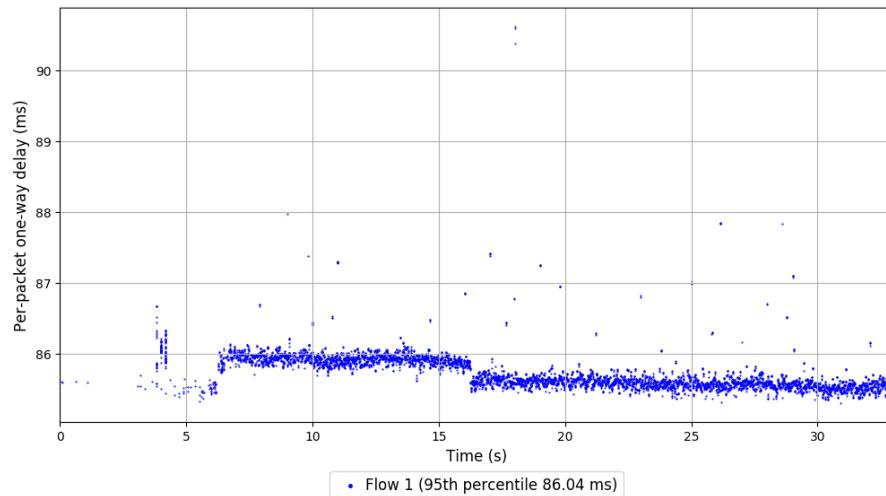
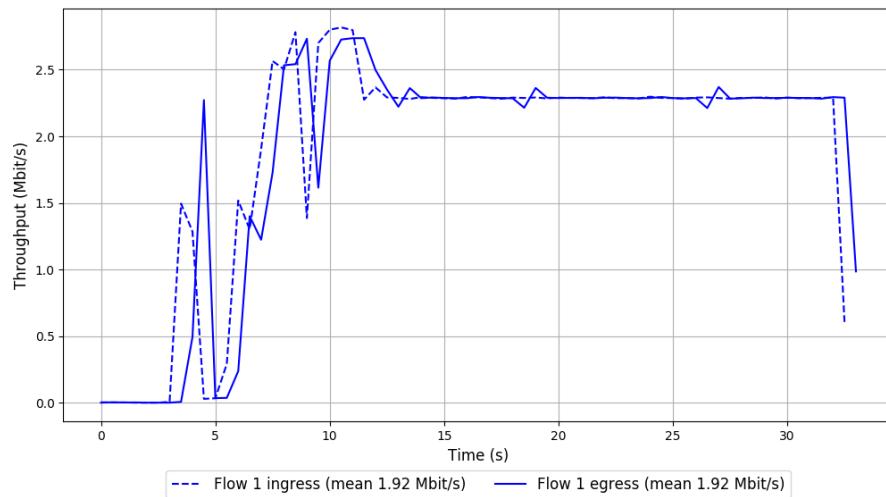


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-30 08:36:05
End at: 2018-05-30 08:36:35
Local clock offset: 5.608 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.043 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

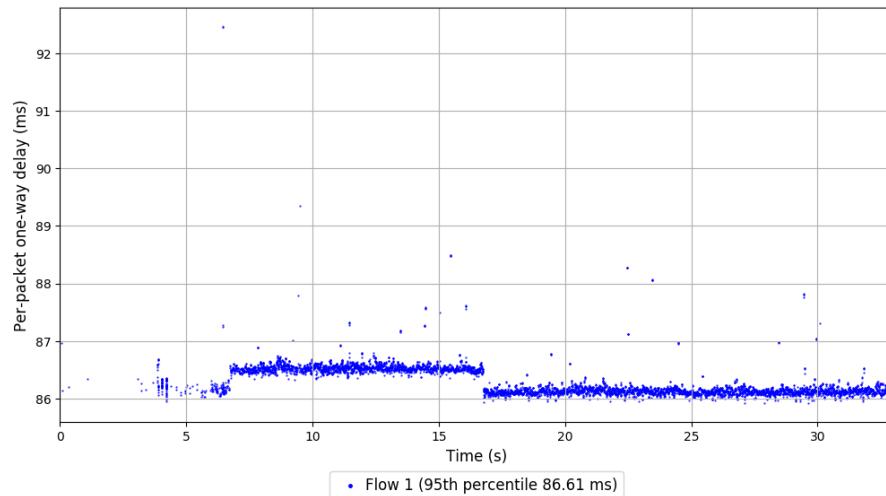
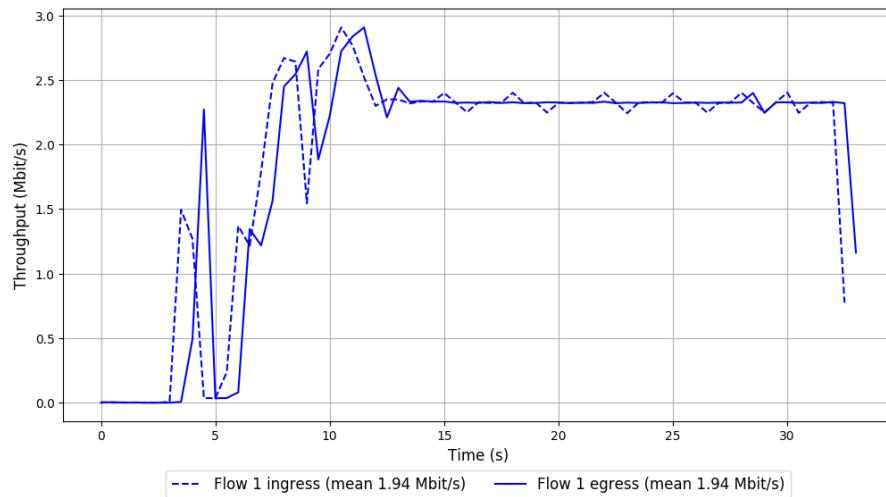


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-30 08:57:05
End at: 2018-05-30 08:57:35
Local clock offset: 1.771 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.607 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

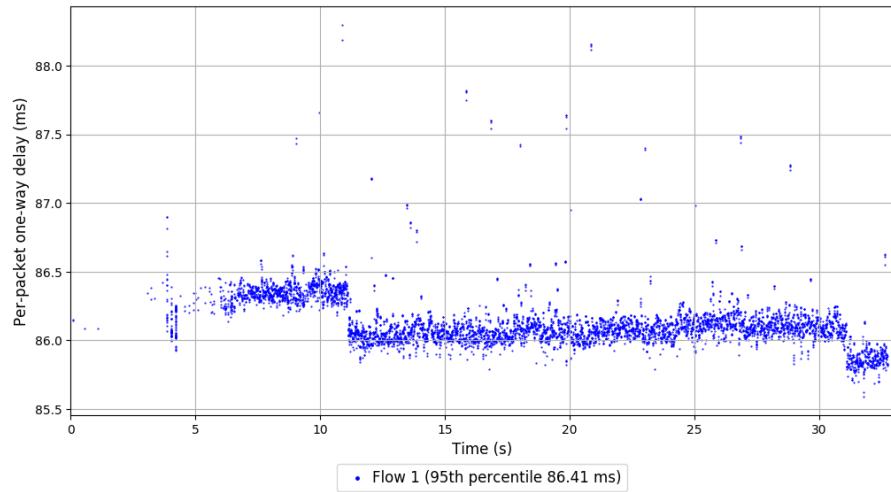
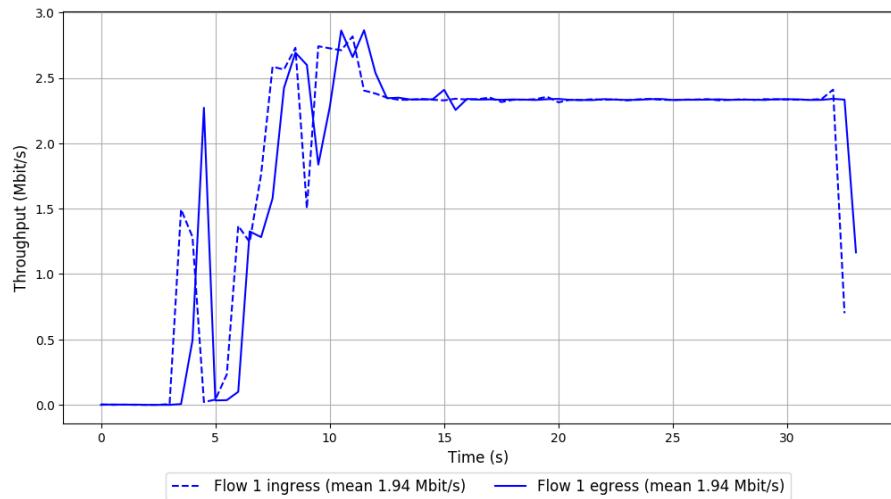


```
Run 6: Statistics of WebRTC media

Start at: 2018-05-30 09:18:00
End at: 2018-05-30 09:18:30
Local clock offset: 0.976 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.409 ms
Loss rate: 0.00%
```

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

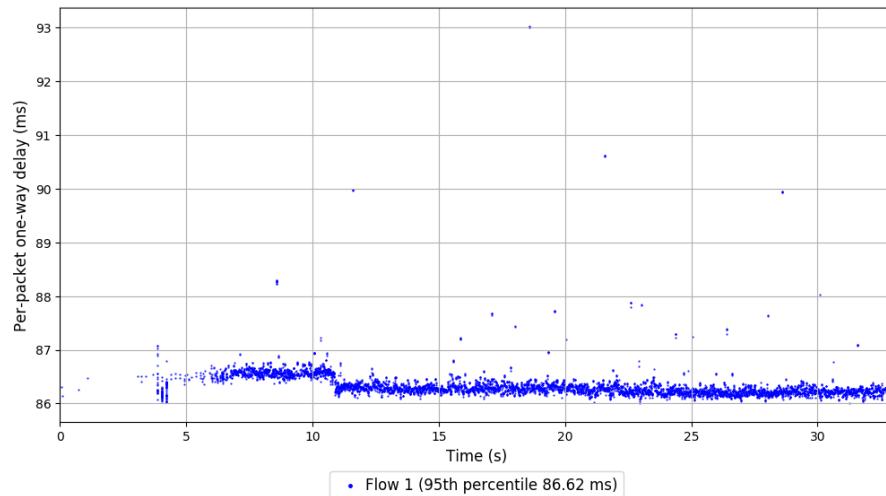
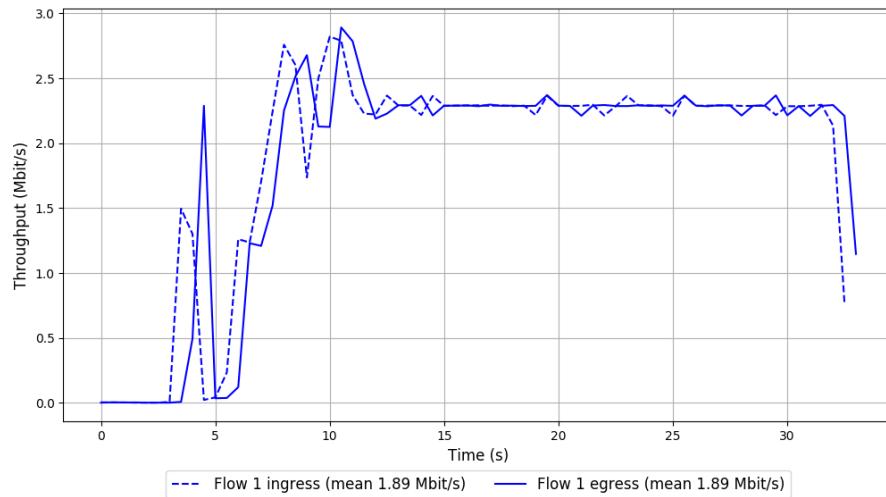


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-30 09:38:40
End at: 2018-05-30 09:39:11
Local clock offset: 0.778 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 0.00%
```

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

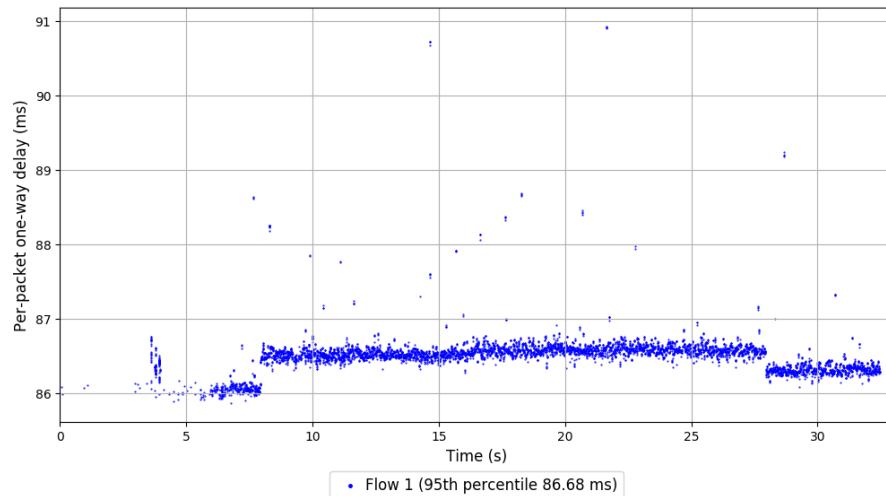
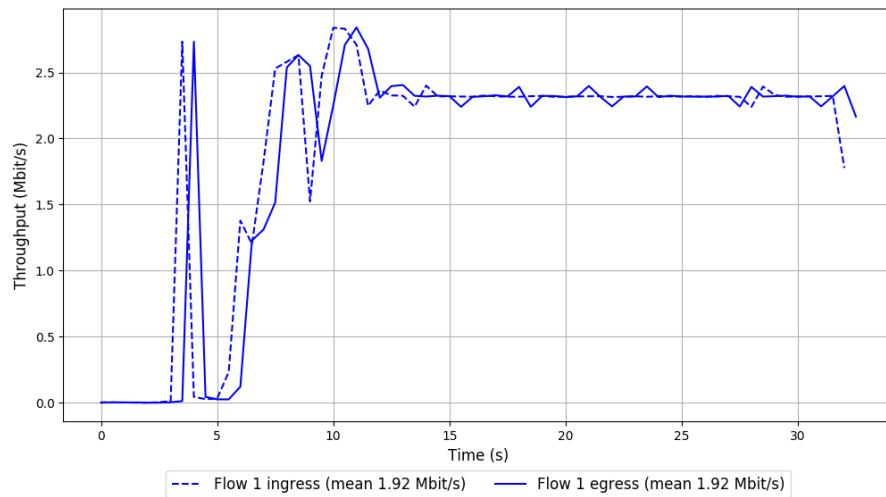


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-30 09:59:23
End at: 2018-05-30 09:59:53
Local clock offset: 0.37 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.684 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

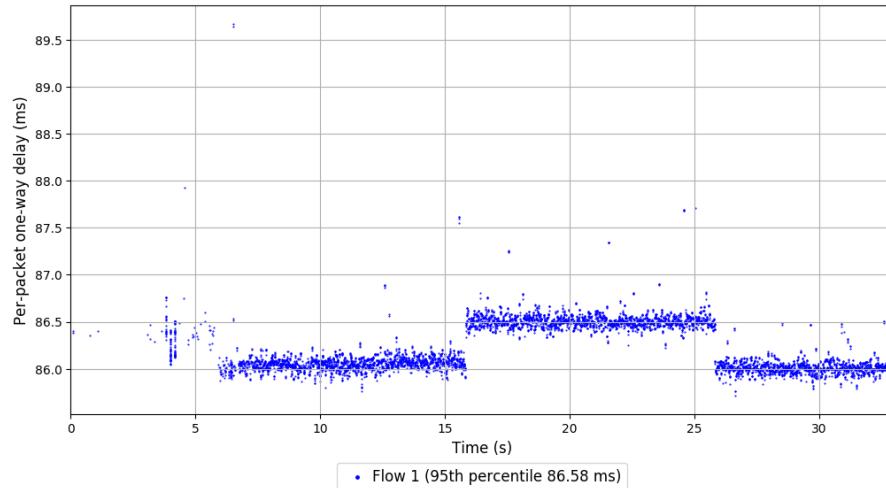
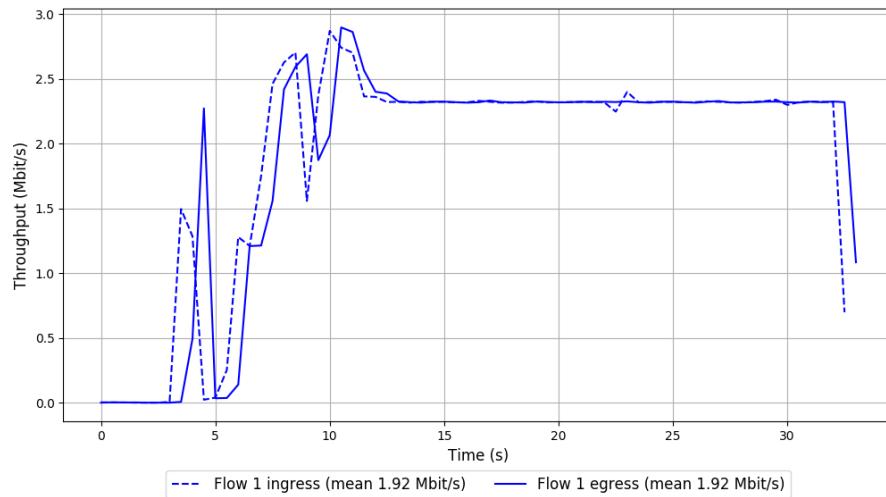


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-30 10:20:16
End at: 2018-05-30 10:20:46
Local clock offset: 0.743 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-05-30 10:41:24
End at: 2018-05-30 10:41:54
Local clock offset: 0.87 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-05-30 12:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.518 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

