

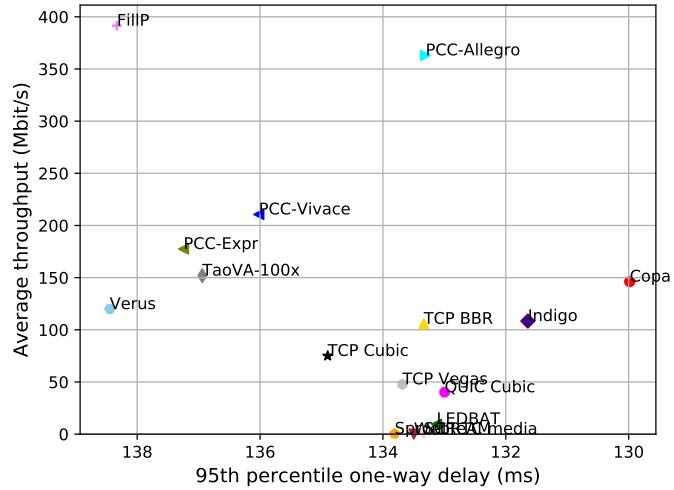
## Pantheon Report

Generated at 2018-05-22 15:07:59 (UTC).  
Data path: Saudi Arabia Ethernet (*remote*) → AWS India 2 Ethernet (*local*).  
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 [nets.org.sg](http://nets.org.sg) and have been applied to correct the timestamps in logs.

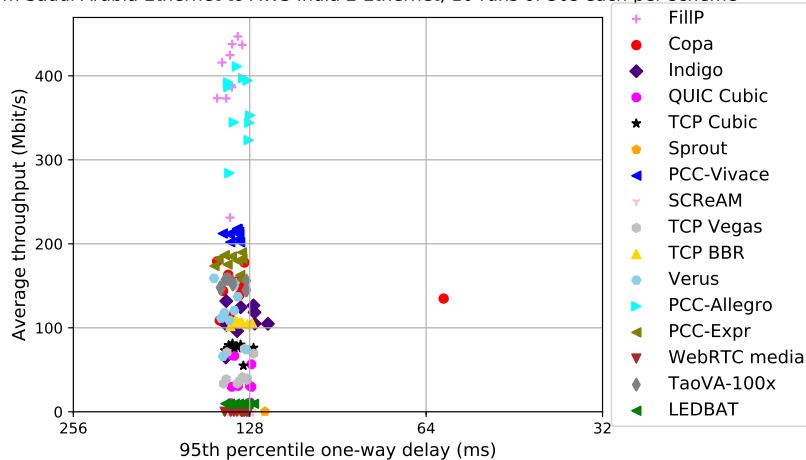
Git summary:

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

test from Saudi Arabia Ethernet to AWS India 2 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from Saudi Arabia Ethernet to AWS India 2 Ethernet, 10 runs of 30s each per scheme



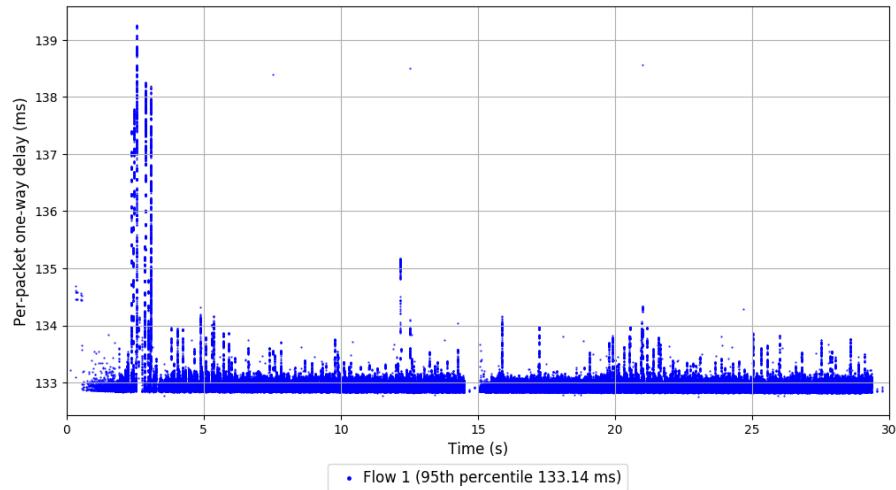
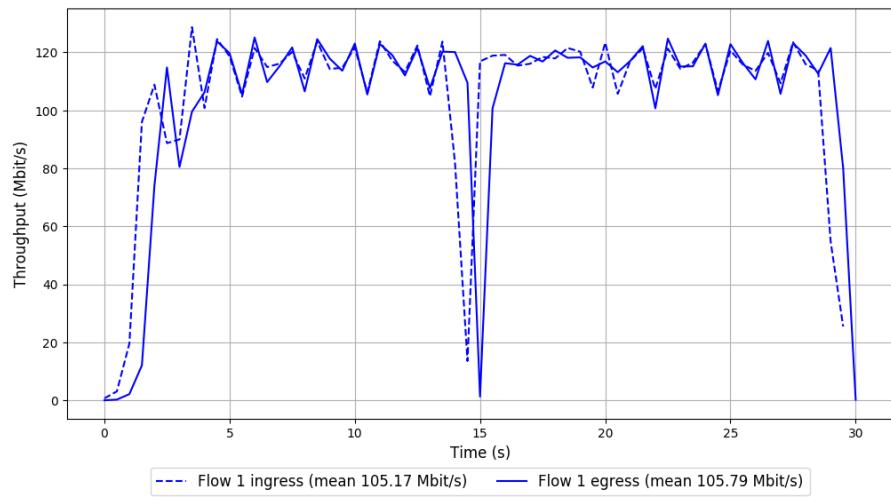
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	105.70	133.34	0.61
Copa	10	146.19	129.98	0.58
TCP Cubic	10	74.97	134.90	0.63
FillP	10	391.48	138.33	1.44
Indigo	9	108.41	131.64	0.66
LEDBAT	10	9.56	133.13	1.29
PCC-Allegro	10	363.07	133.31	0.85
PCC-Expr	10	177.43	137.25	0.73
QUIC Cubic	10	40.15	133.00	0.94
SCReAM	10	0.22	133.34	0.63
Sprout	8	0.40	133.81	0.71
TaoVA-100x	10	151.96	136.94	0.64
TCP Vegas	10	47.76	133.68	0.70
Verus	10	119.85	138.45	1.43
PCC-Vivace	10	210.58	136.02	0.75
WebRTC media	10	0.05	133.50	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-22 09:57:11
End at: 2018-05-22 09:57:41
Local clock offset: -1.927 ms
Remote clock offset: -37.623 ms

# Below is generated by plot.py at 2018-05-22 14:30:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.79 Mbit/s
95th percentile per-packet one-way delay: 133.138 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 105.79 Mbit/s
95th percentile per-packet one-way delay: 133.138 ms
Loss rate: 0.40%
```

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

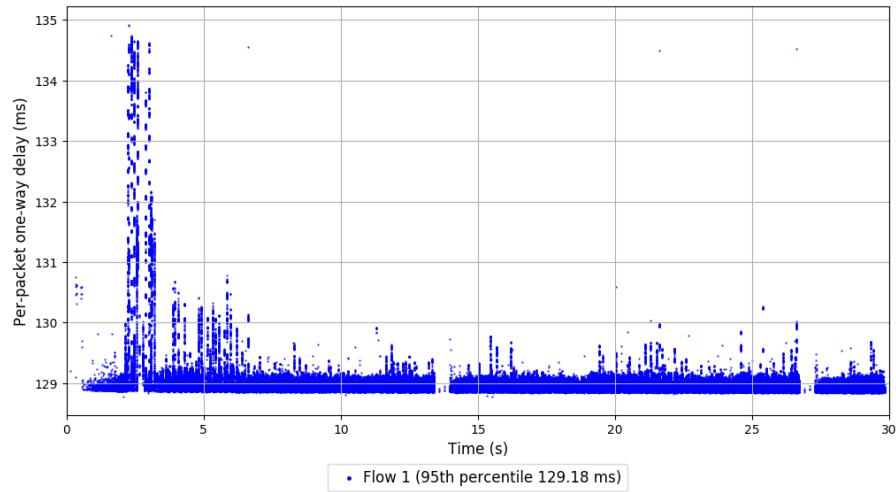
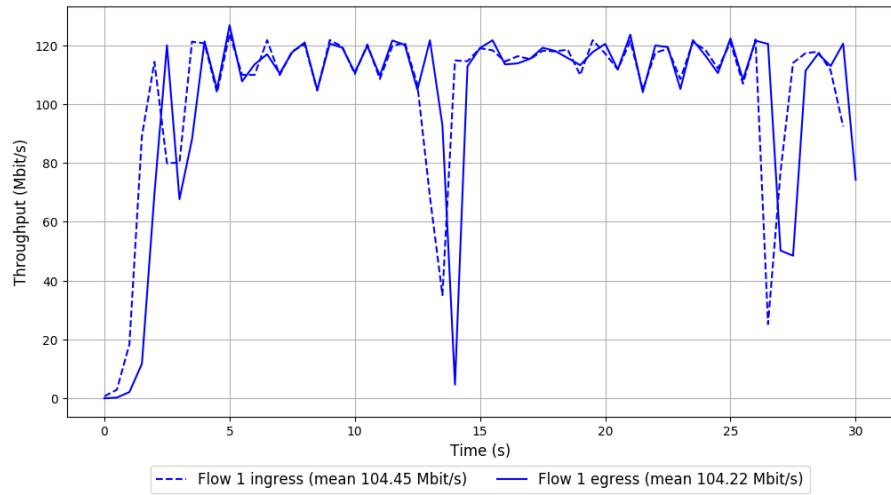


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-22 10:17:45
End at: 2018-05-22 10:18:15
Local clock offset: 0.466 ms
Remote clock offset: -30.176 ms

# Below is generated by plot.py at 2018-05-22 14:30:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.22 Mbit/s
95th percentile per-packet one-way delay: 129.176 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 104.22 Mbit/s
95th percentile per-packet one-way delay: 129.176 ms
Loss rate: 0.73%
```

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

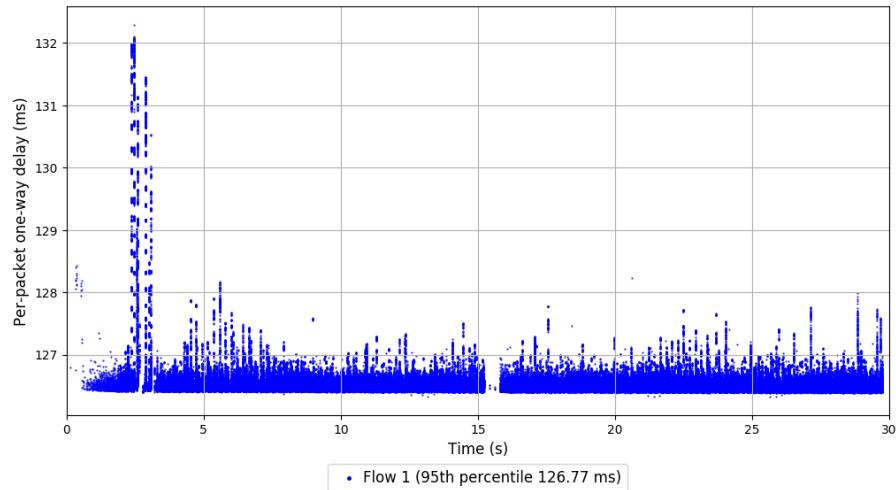
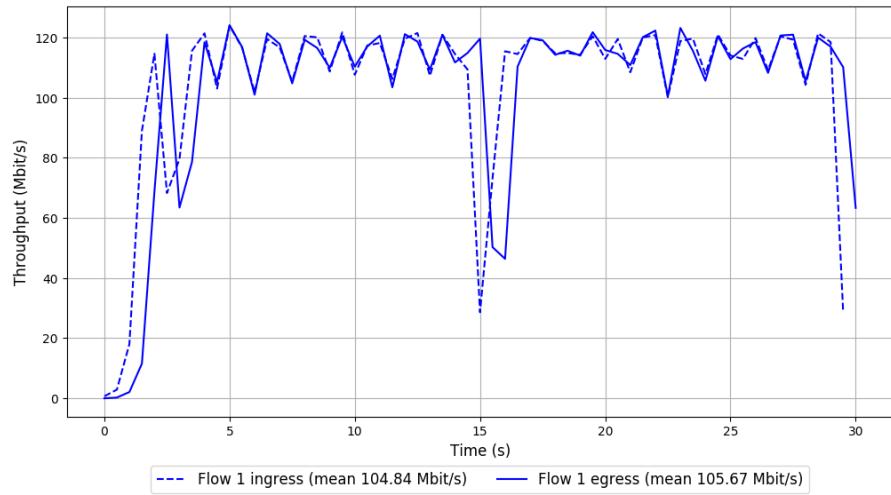


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-22 10:44:01
End at: 2018-05-22 10:44:31
Local clock offset: 1.896 ms
Remote clock offset: -29.146 ms

# Below is generated by plot.py at 2018-05-22 14:30:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.67 Mbit/s
95th percentile per-packet one-way delay: 126.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.67 Mbit/s
95th percentile per-packet one-way delay: 126.771 ms
Loss rate: 0.00%
```

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

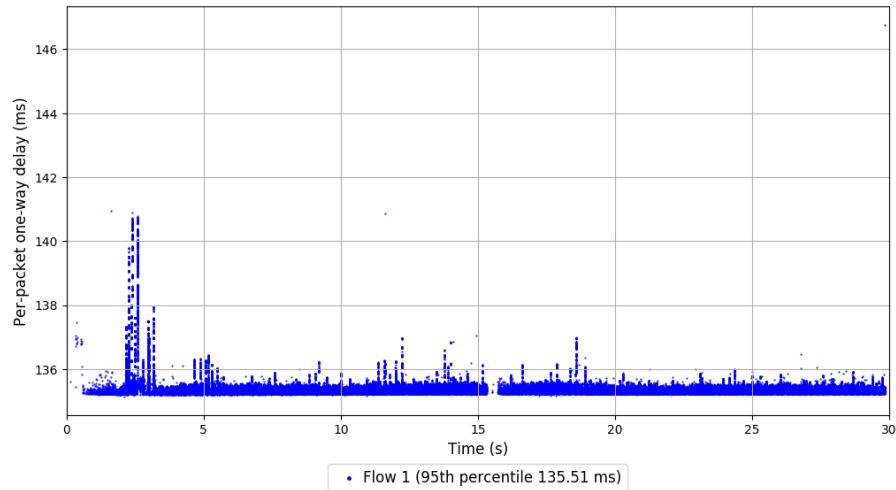
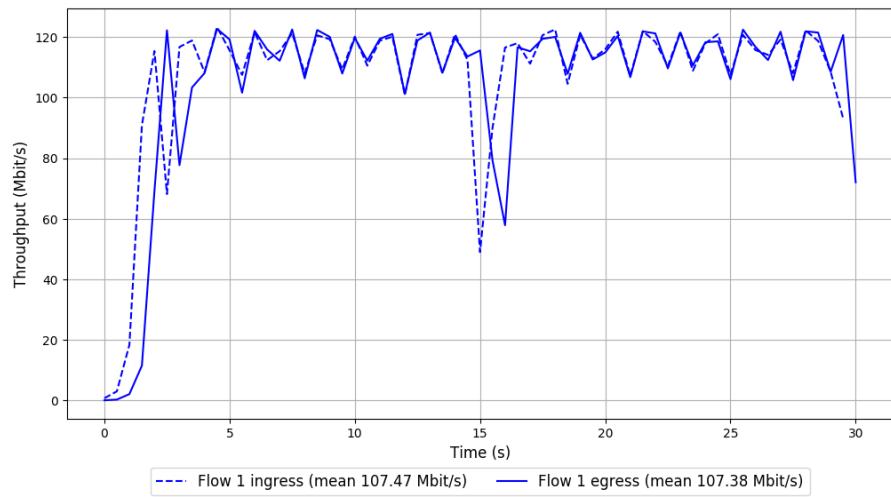


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-22 11:14:10
End at: 2018-05-22 11:14:40
Local clock offset: 0.075 ms
Remote clock offset: -35.86 ms

# Below is generated by plot.py at 2018-05-22 14:30:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.38 Mbit/s
95th percentile per-packet one-way delay: 135.510 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 107.38 Mbit/s
95th percentile per-packet one-way delay: 135.510 ms
Loss rate: 0.71%
```

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

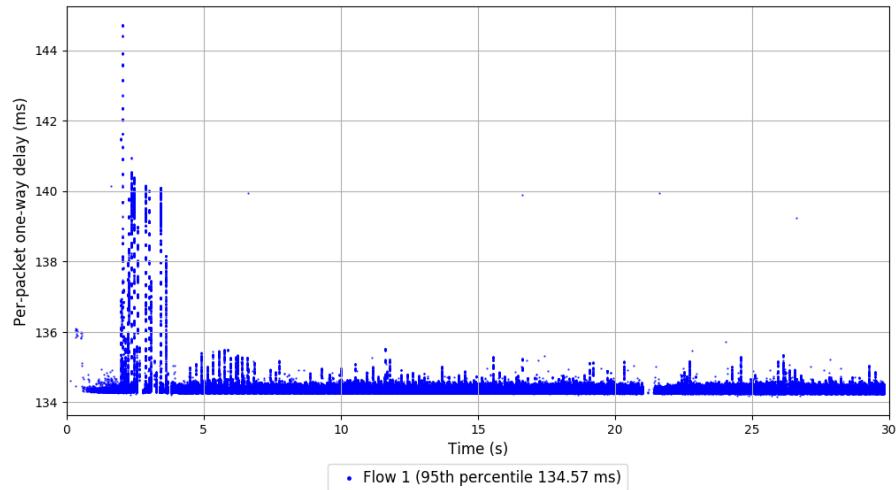
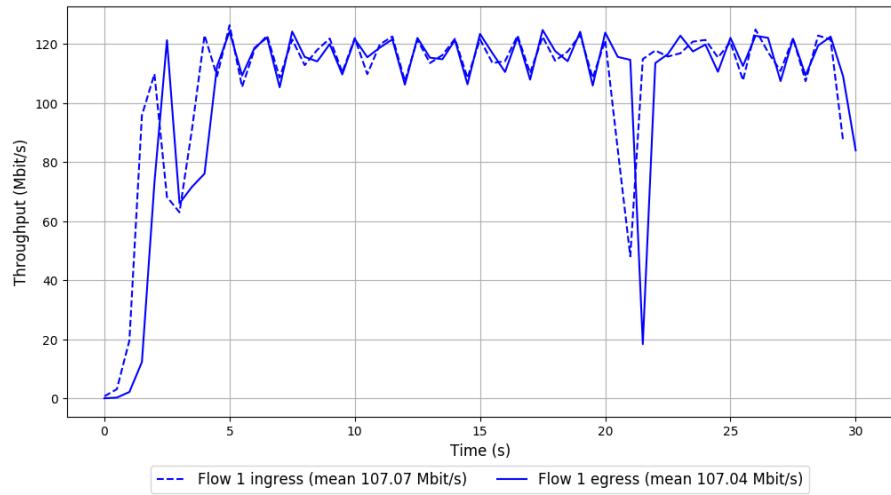


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-22 11:34:51
End at: 2018-05-22 11:35:21
Local clock offset: -1.085 ms
Remote clock offset: -37.849 ms

# Below is generated by plot.py at 2018-05-22 14:30:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.04 Mbit/s
95th percentile per-packet one-way delay: 134.570 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 107.04 Mbit/s
95th percentile per-packet one-way delay: 134.570 ms
Loss rate: 0.67%
```

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

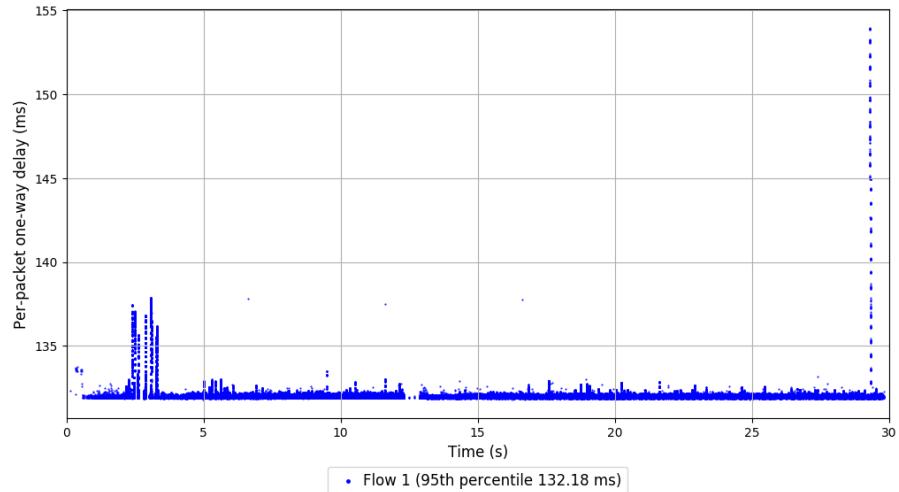
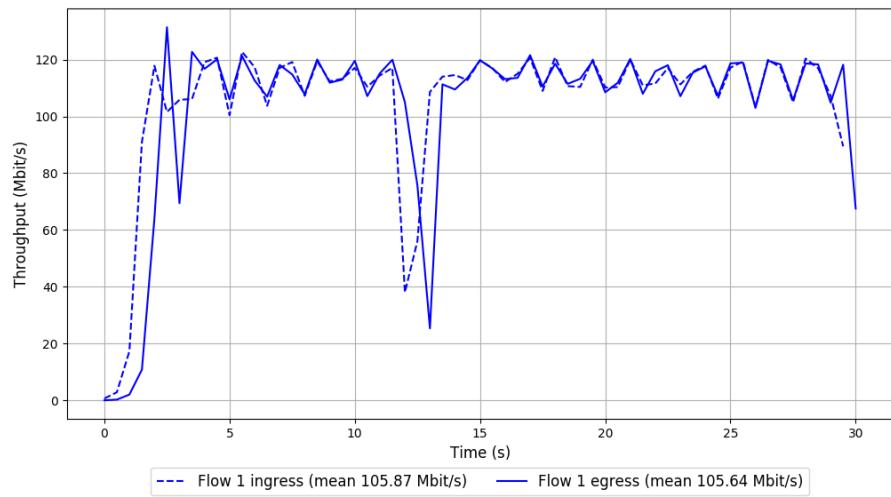


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-22 12:05:25
End at: 2018-05-22 12:05:55
Local clock offset: 2.492 ms
Remote clock offset: -30.997 ms

# Below is generated by plot.py at 2018-05-22 14:30:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.64 Mbit/s
95th percentile per-packet one-way delay: 132.178 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 105.64 Mbit/s
95th percentile per-packet one-way delay: 132.178 ms
Loss rate: 0.77%
```

Run 6: Report of TCP BBR — Data Link

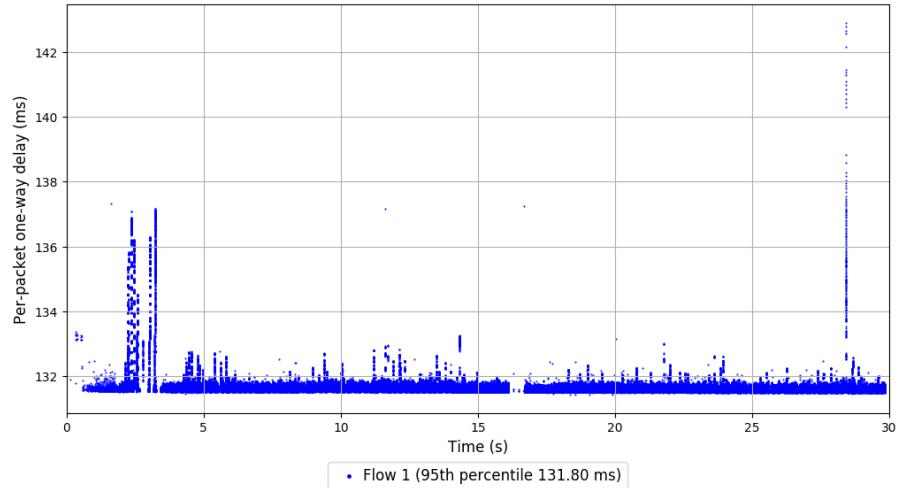
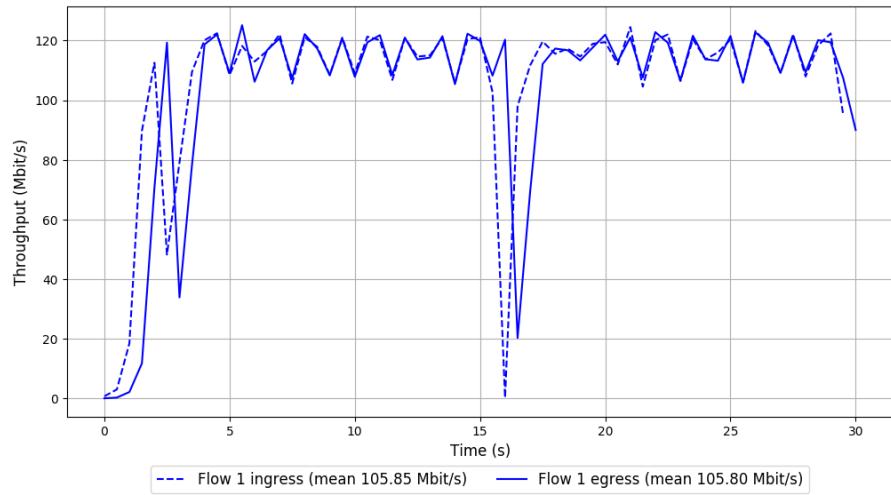


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-22 12:31:45
End at: 2018-05-22 12:32:15
Local clock offset: 0.314 ms
Remote clock offset: -33.28 ms

# Below is generated by plot.py at 2018-05-22 14:30:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.80 Mbit/s
95th percentile per-packet one-way delay: 131.803 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 105.80 Mbit/s
95th percentile per-packet one-way delay: 131.803 ms
Loss rate: 0.70%
```

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

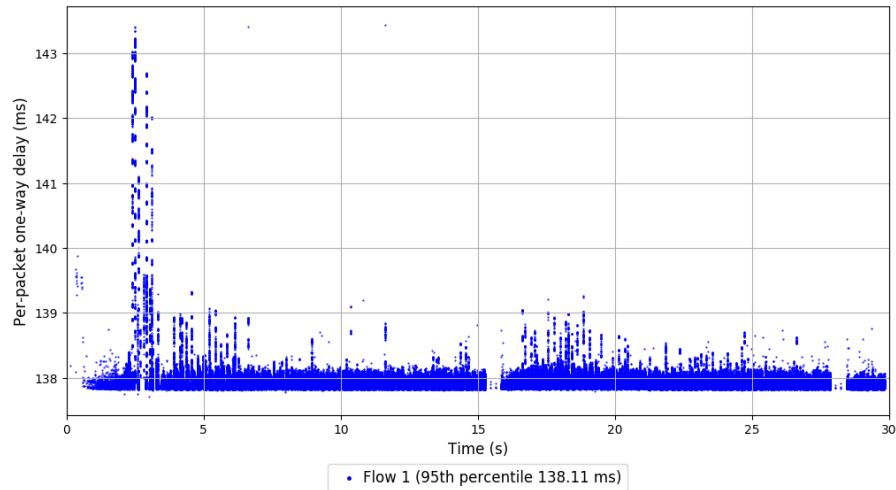
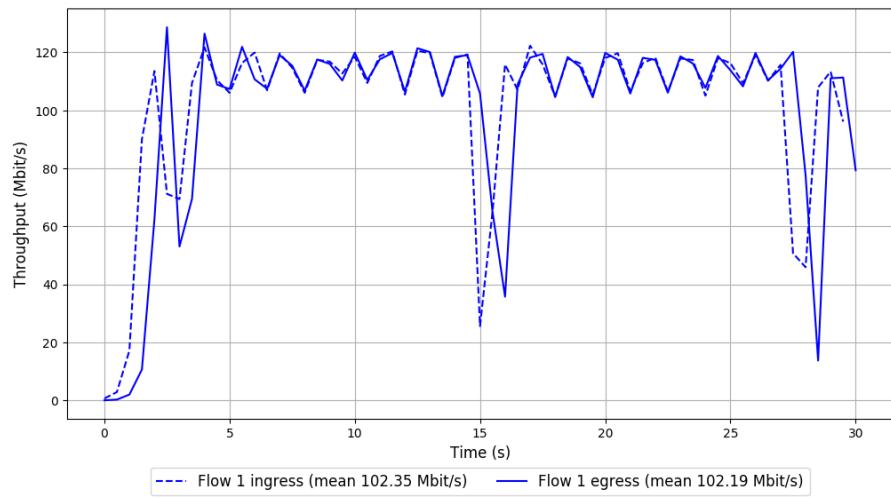


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-22 13:13:16
End at: 2018-05-22 13:13:46
Local clock offset: 2.395 ms
Remote clock offset: -38.005 ms

# Below is generated by plot.py at 2018-05-22 14:30:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.19 Mbit/s
95th percentile per-packet one-way delay: 138.107 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 102.19 Mbit/s
95th percentile per-packet one-way delay: 138.107 ms
Loss rate: 0.78%
```

Run 8: Report of TCP BBR — Data Link

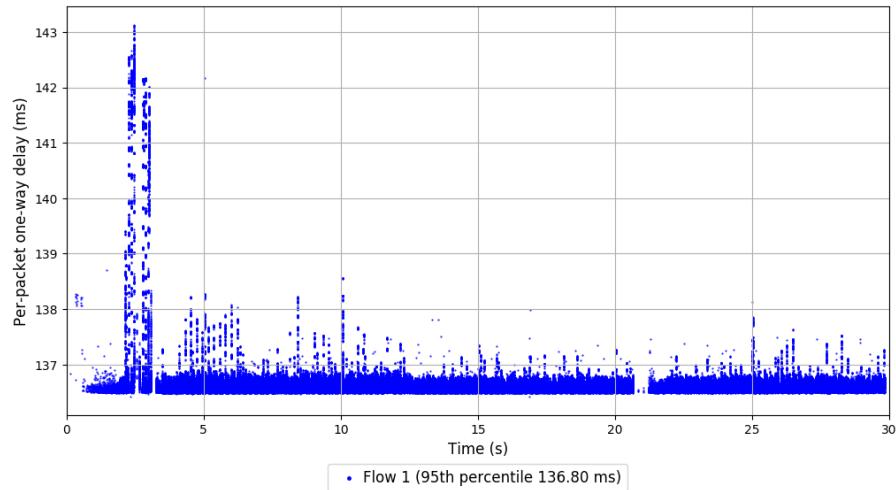
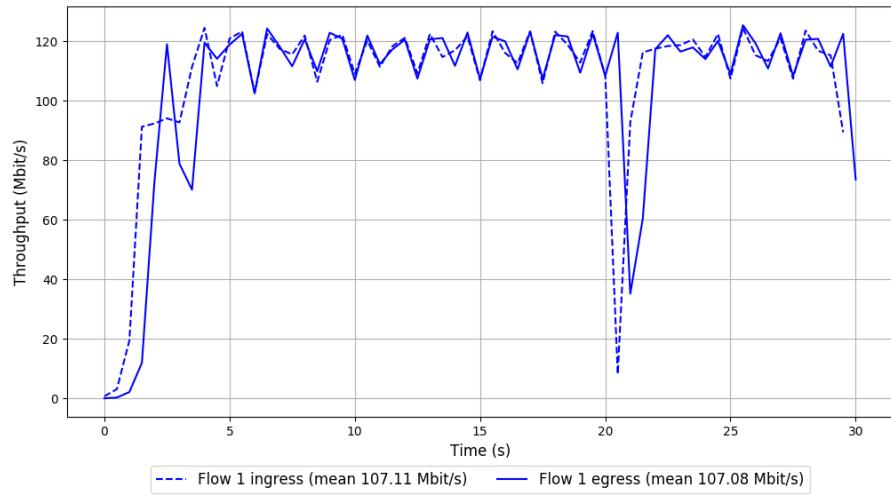


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-22 13:45:06
End at: 2018-05-22 13:45:36
Local clock offset: 3.026 ms
Remote clock offset: -35.615 ms

# Below is generated by plot.py at 2018-05-22 14:31:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.08 Mbit/s
95th percentile per-packet one-way delay: 136.803 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 107.08 Mbit/s
95th percentile per-packet one-way delay: 136.803 ms
Loss rate: 0.67%
```

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

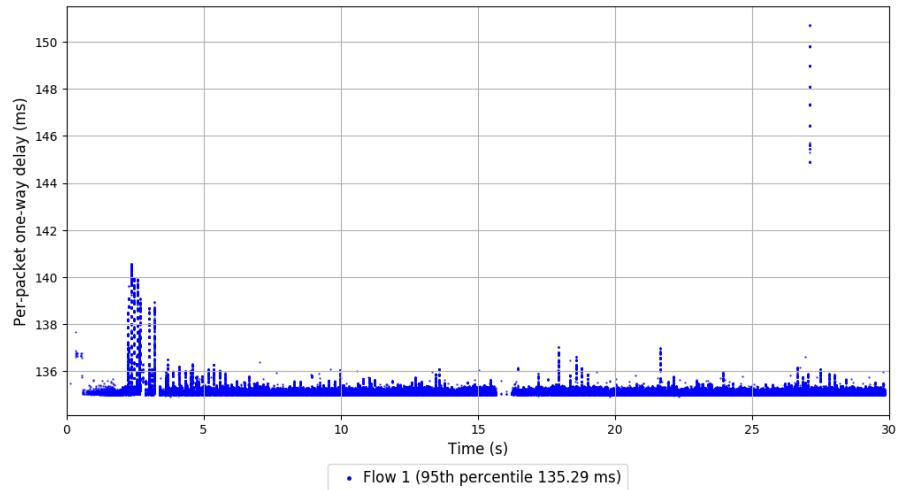
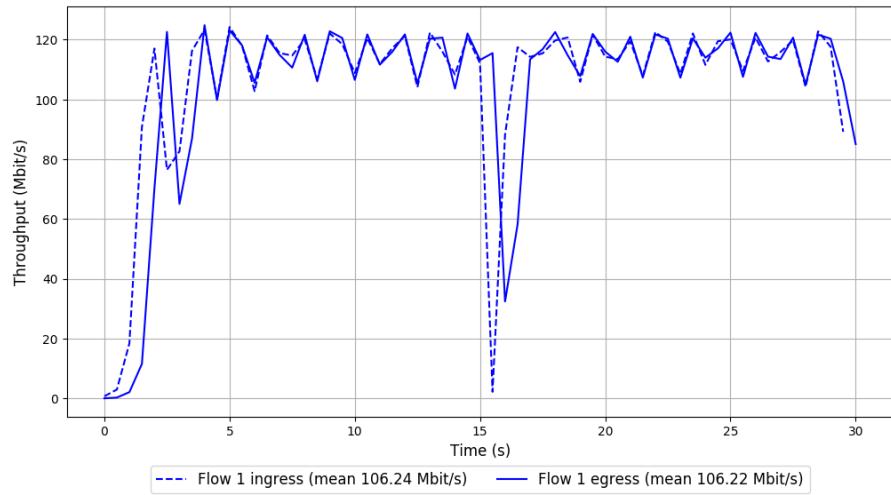


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-22 14:11:25
End at: 2018-05-22 14:11:55
Local clock offset: -1.152 ms
Remote clock offset: -36.888 ms

# Below is generated by plot.py at 2018-05-22 14:31:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.22 Mbit/s
95th percentile per-packet one-way delay: 135.295 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 106.22 Mbit/s
95th percentile per-packet one-way delay: 135.295 ms
Loss rate: 0.67%
```

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

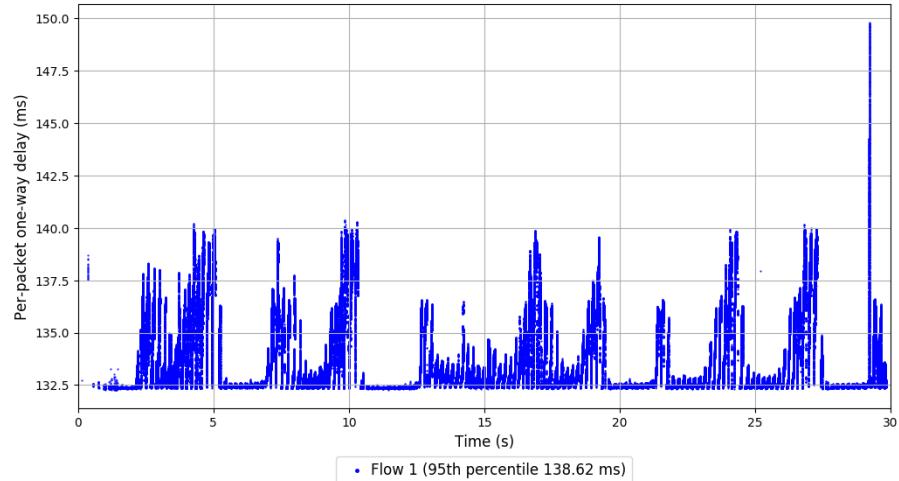
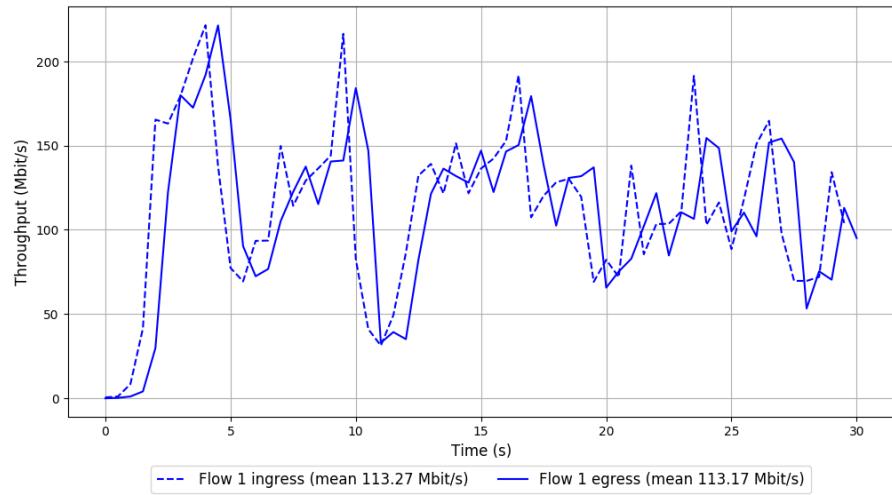


Run 1: Statistics of Copa

```
Start at: 2018-05-22 10:03:34
End at: 2018-05-22 10:04:04
Local clock offset: -0.851 ms
Remote clock offset: -34.737 ms

# Below is generated by plot.py at 2018-05-22 14:32:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.17 Mbit/s
95th percentile per-packet one-way delay: 138.615 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 113.17 Mbit/s
95th percentile per-packet one-way delay: 138.615 ms
Loss rate: 0.73%
```

### Run 1: Report of Copa — Data Link

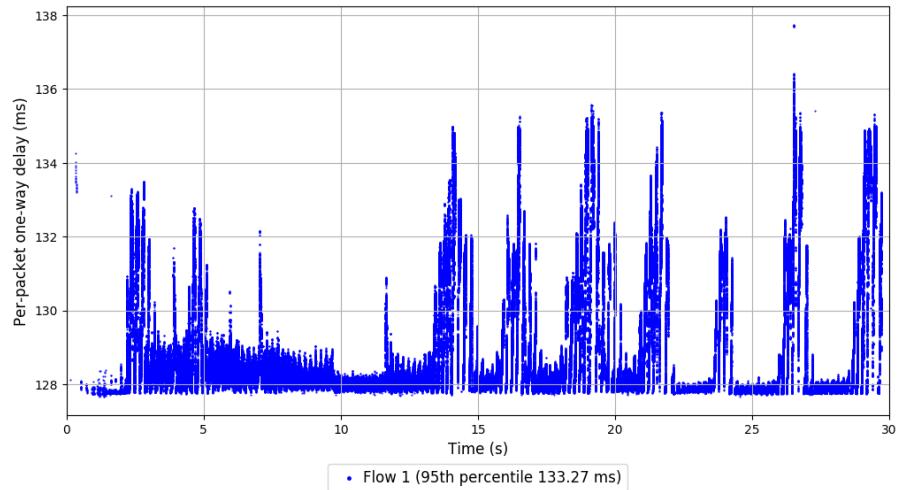
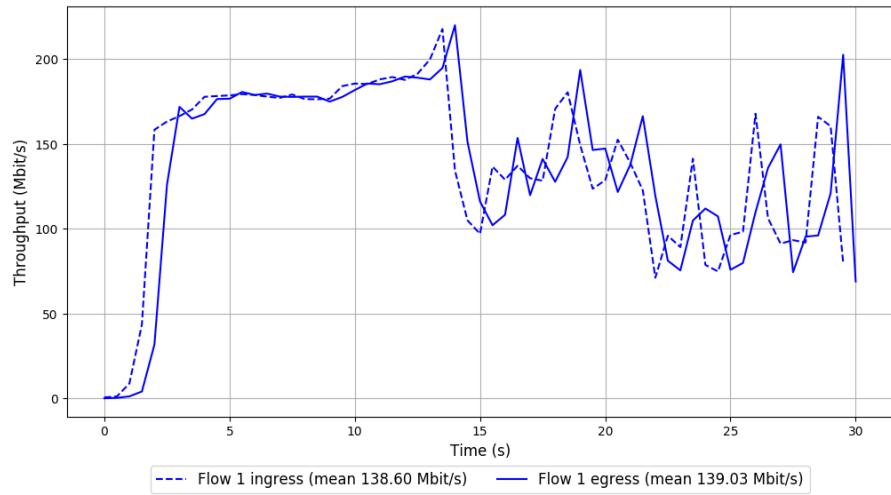


Run 2: Statistics of Copa

```
Start at: 2018-05-22 10:24:12
End at: 2018-05-22 10:24:42
Local clock offset: -1.082 ms
Remote clock offset: -32.339 ms

# Below is generated by plot.py at 2018-05-22 14:33:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 139.03 Mbit/s
95th percentile per-packet one-way delay: 133.266 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 139.03 Mbit/s
95th percentile per-packet one-way delay: 133.266 ms
Loss rate: 0.42%
```

## Run 2: Report of Copa — Data Link

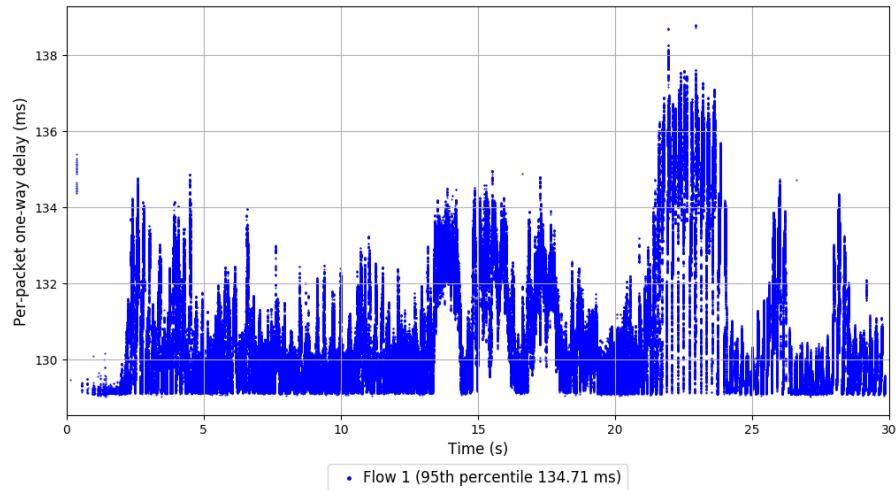
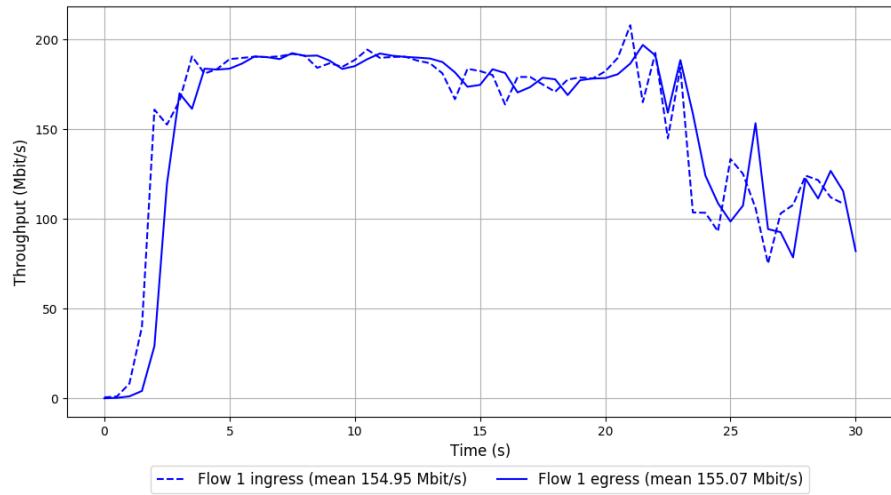


Run 3: Statistics of Copa

```
Start at: 2018-05-22 10:50:22
End at: 2018-05-22 10:50:52
Local clock offset: 1.214 ms
Remote clock offset: -31.327 ms

# Below is generated by plot.py at 2018-05-22 14:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.07 Mbit/s
95th percentile per-packet one-way delay: 134.706 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 155.07 Mbit/s
95th percentile per-packet one-way delay: 134.706 ms
Loss rate: 0.57%
```

### Run 3: Report of Copa — Data Link

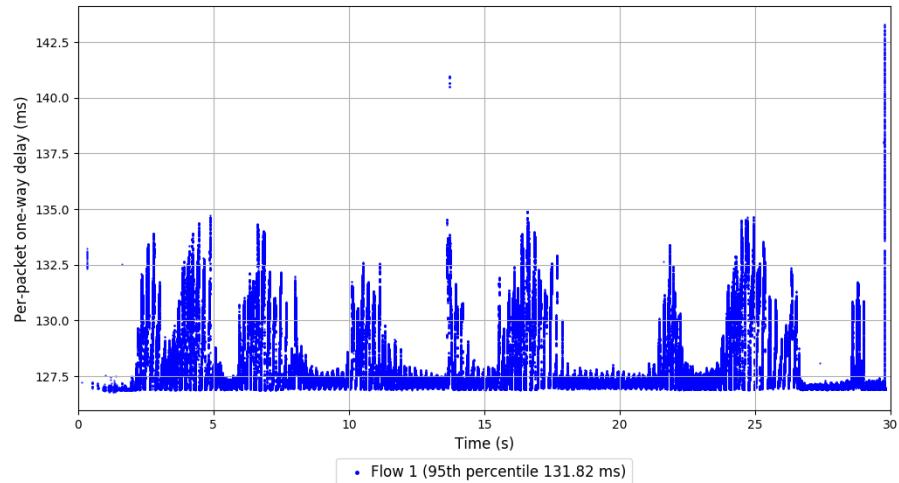
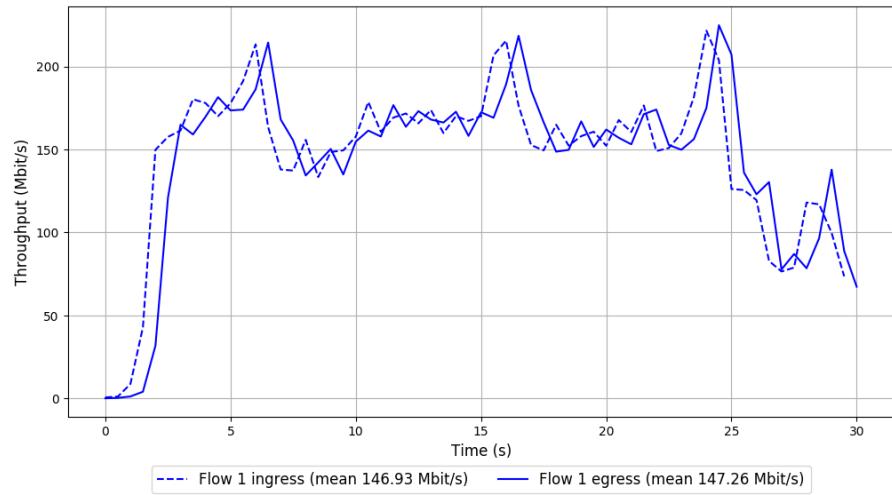


Run 4: Statistics of Copa

```
Start at: 2018-05-22 11:20:40
End at: 2018-05-22 11:21:10
Local clock offset: 0.951 ms
Remote clock offset: -27.898 ms

# Below is generated by plot.py at 2018-05-22 14:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.26 Mbit/s
95th percentile per-packet one-way delay: 131.824 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 147.26 Mbit/s
95th percentile per-packet one-way delay: 131.824 ms
Loss rate: 0.42%
```

## Run 4: Report of Copa — Data Link

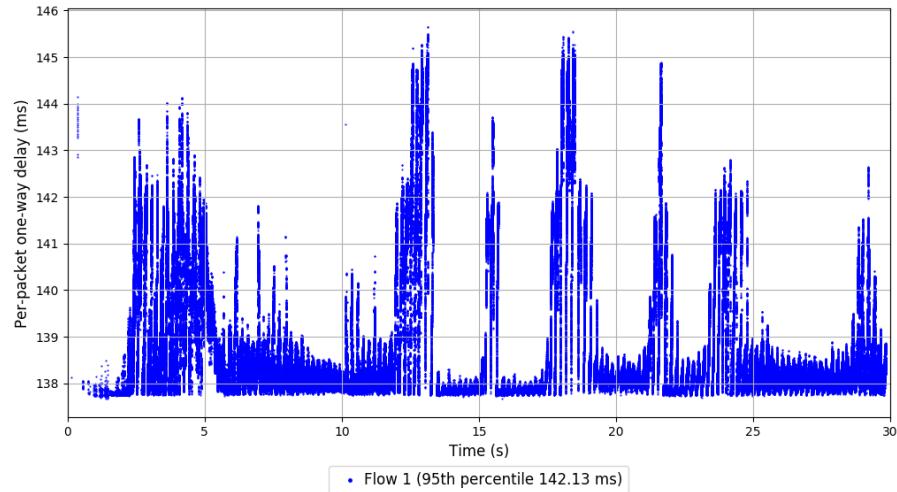
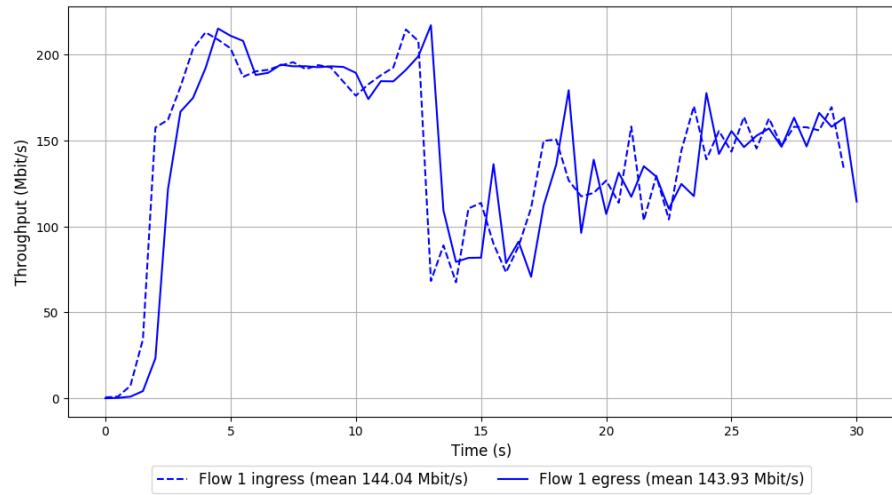


Run 5: Statistics of Copa

```
Start at: 2018-05-22 11:41:15
End at: 2018-05-22 11:41:45
Local clock offset: 0.593 ms
Remote clock offset: -38.411 ms

# Below is generated by plot.py at 2018-05-22 14:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 143.93 Mbit/s
95th percentile per-packet one-way delay: 142.129 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 143.93 Mbit/s
95th percentile per-packet one-way delay: 142.129 ms
Loss rate: 0.72%
```

Run 5: Report of Copa — Data Link

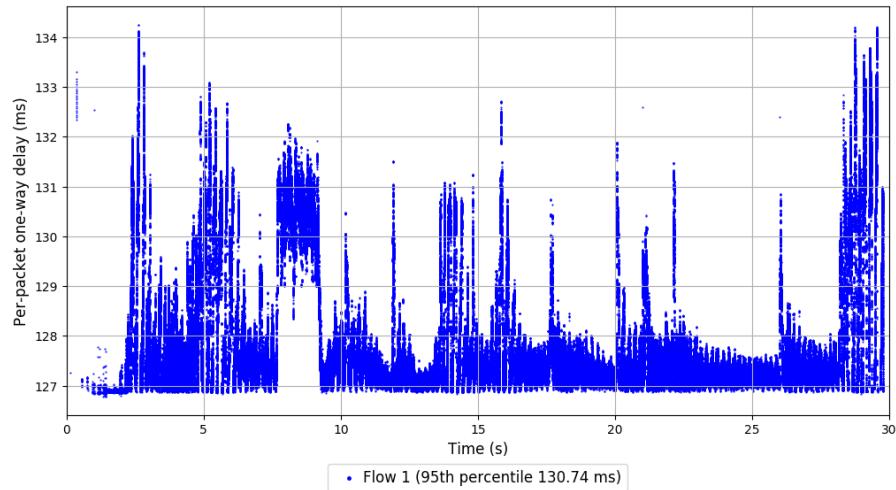
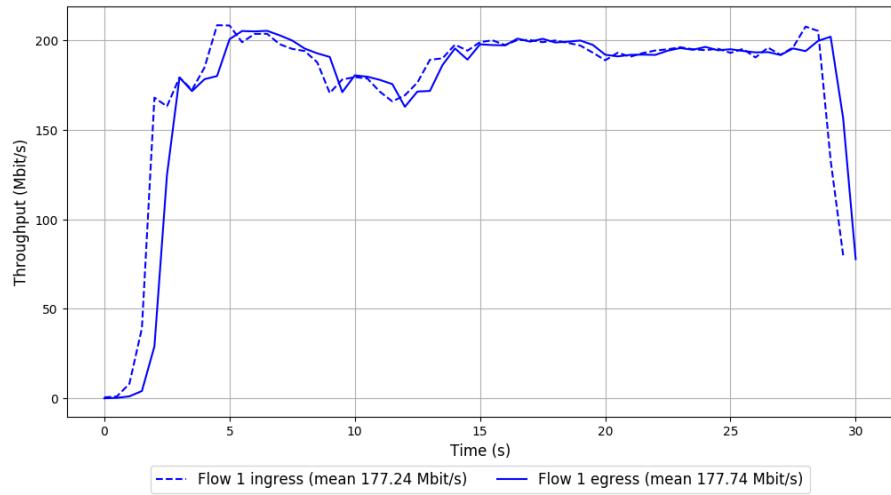


Run 6: Statistics of Copa

```
Start at: 2018-05-22 12:17:28
End at: 2018-05-22 12:17:58
Local clock offset: 2.024 ms
Remote clock offset: -28.131 ms

# Below is generated by plot.py at 2018-05-22 14:34:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.74 Mbit/s
95th percentile per-packet one-way delay: 130.736 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 177.74 Mbit/s
95th percentile per-packet one-way delay: 130.736 ms
Loss rate: 0.38%
```

## Run 6: Report of Copa — Data Link

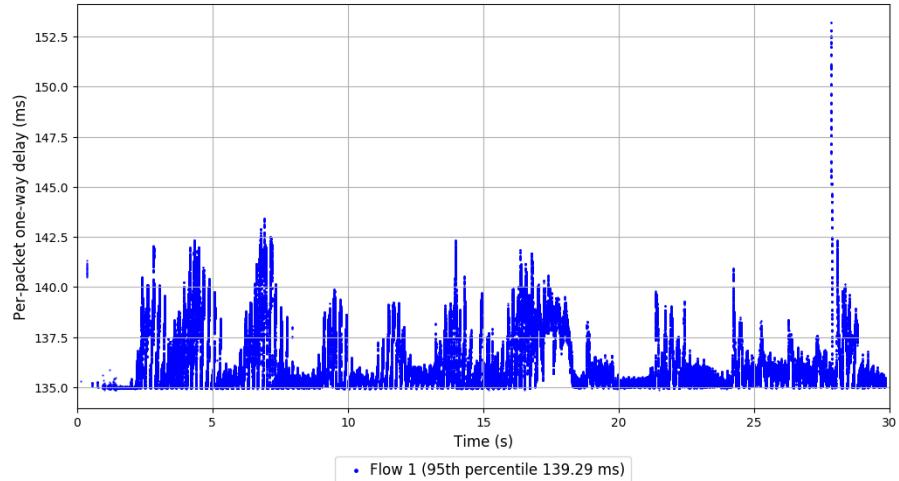
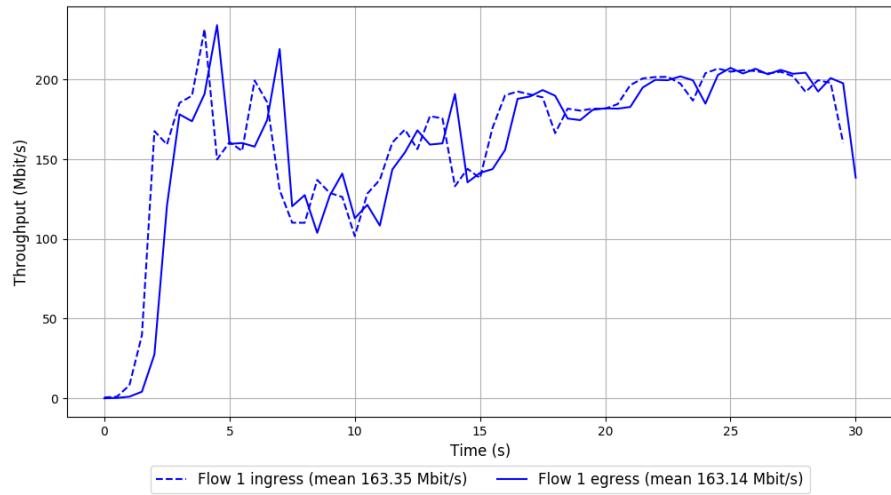


Run 7: Statistics of Copa

```
Start at: 2018-05-22 12:47:40
End at: 2018-05-22 12:48:10
Local clock offset: 1.255 ms
Remote clock offset: -37.953 ms

# Below is generated by plot.py at 2018-05-22 14:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.14 Mbit/s
95th percentile per-packet one-way delay: 139.289 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 163.14 Mbit/s
95th percentile per-packet one-way delay: 139.289 ms
Loss rate: 0.77%
```

### Run 7: Report of Copa — Data Link

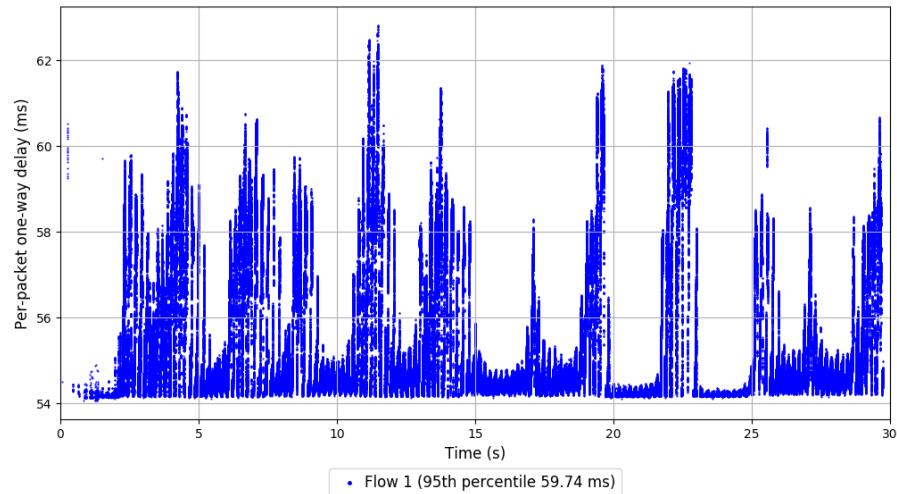
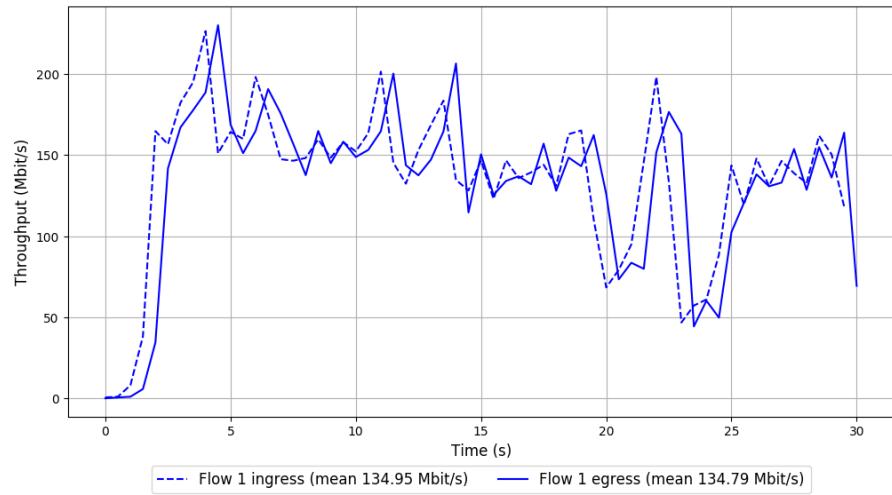


Run 8: Statistics of Copa

```
Start at: 2018-05-22 13:25:28
End at: 2018-05-22 13:25:58
Local clock offset: 1.224 ms
Remote clock offset: 43.002 ms

# Below is generated by plot.py at 2018-05-22 14:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.79 Mbit/s
95th percentile per-packet one-way delay: 59.743 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 134.79 Mbit/s
95th percentile per-packet one-way delay: 59.743 ms
Loss rate: 0.76%
```

Run 8: Report of Copa — Data Link

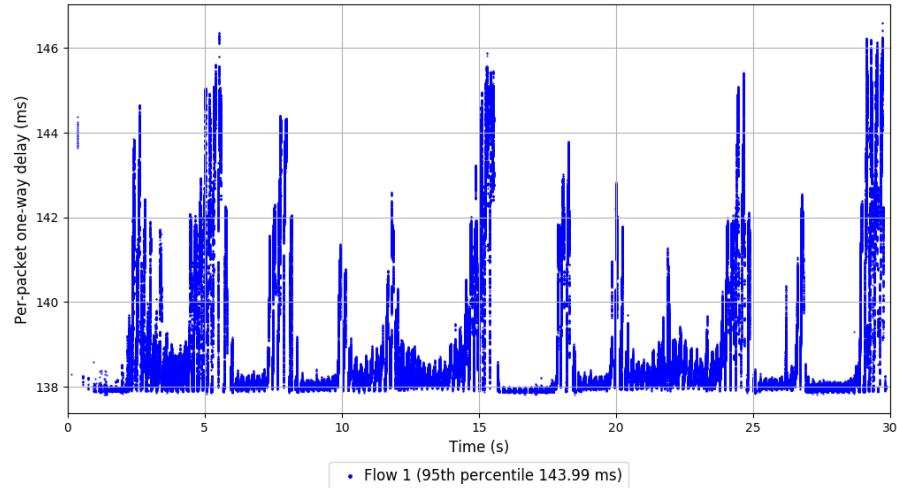
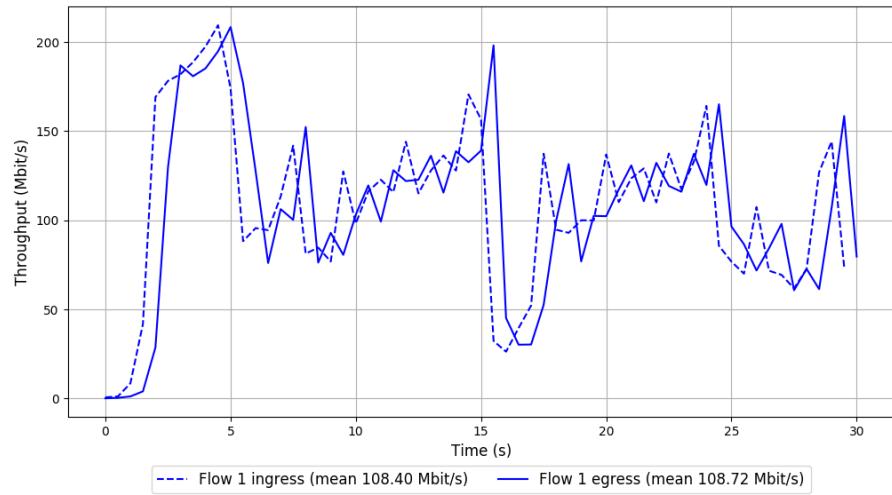


Run 9: Statistics of Copa

```
Start at: 2018-05-22 13:57:19
End at: 2018-05-22 13:57:49
Local clock offset: 0.172 ms
Remote clock offset: -39.52 ms

# Below is generated by plot.py at 2018-05-22 14:35:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.72 Mbit/s
95th percentile per-packet one-way delay: 143.994 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 108.72 Mbit/s
95th percentile per-packet one-way delay: 143.994 ms
Loss rate: 0.35%
```

### Run 9: Report of Copa — Data Link

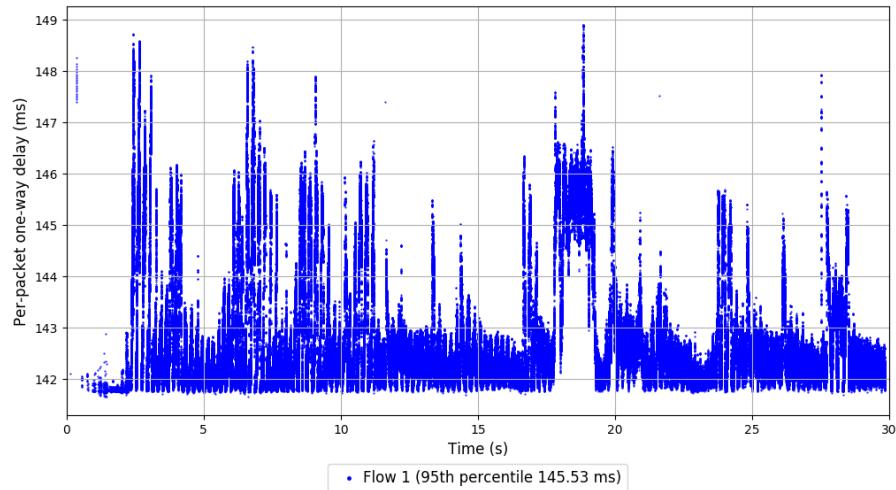
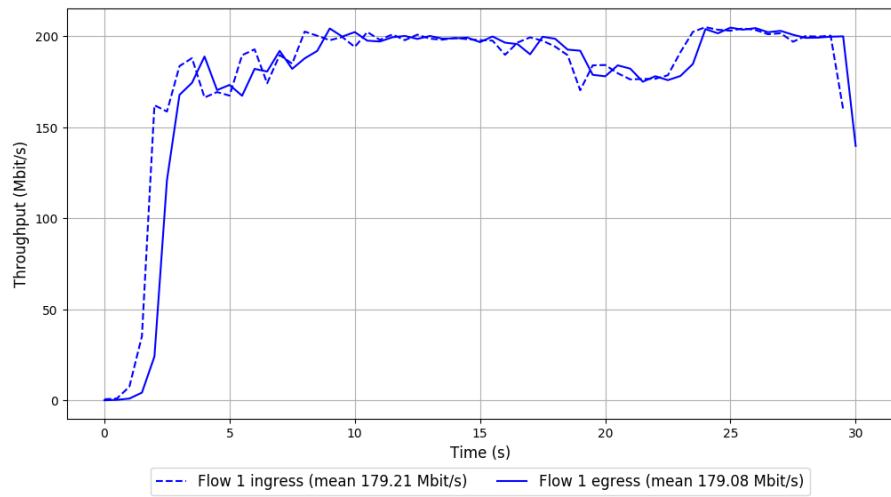


Run 10: Statistics of Copa

```
Start at: 2018-05-22 14:17:48
End at: 2018-05-22 14:18:19
Local clock offset: 3.695 ms
Remote clock offset: -38.873 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.08 Mbit/s
95th percentile per-packet one-way delay: 145.529 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 179.08 Mbit/s
95th percentile per-packet one-way delay: 145.529 ms
Loss rate: 0.72%
```

## Run 10: Report of Copa — Data Link

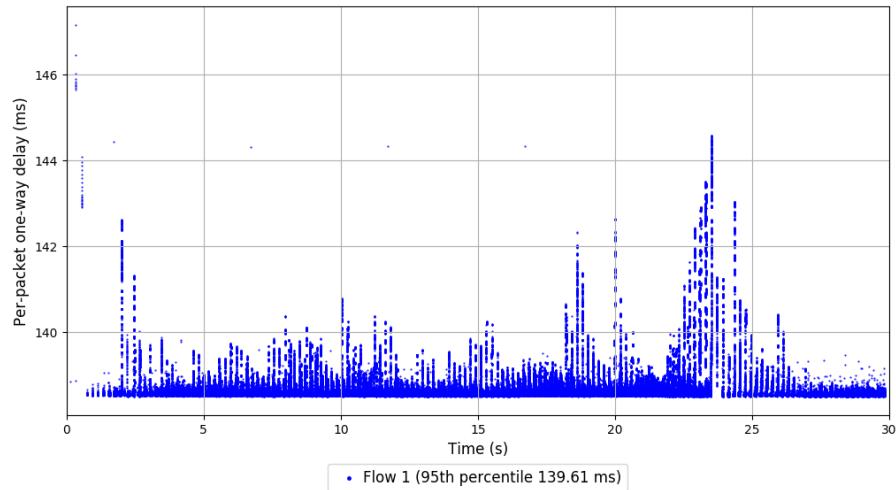
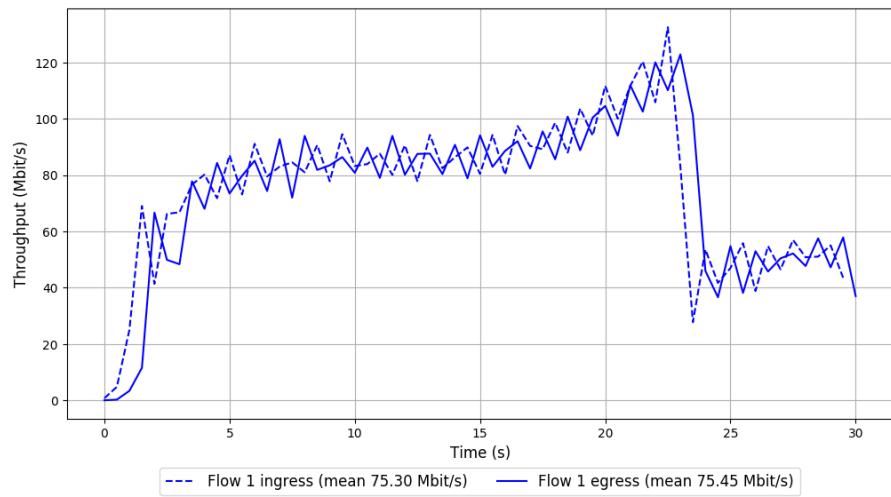


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-22 10:07:39
End at: 2018-05-22 10:08:09
Local clock offset: -0.405 ms
Remote clock offset: -41.902 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 139.606 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 139.606 ms
Loss rate: 0.46%
```

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

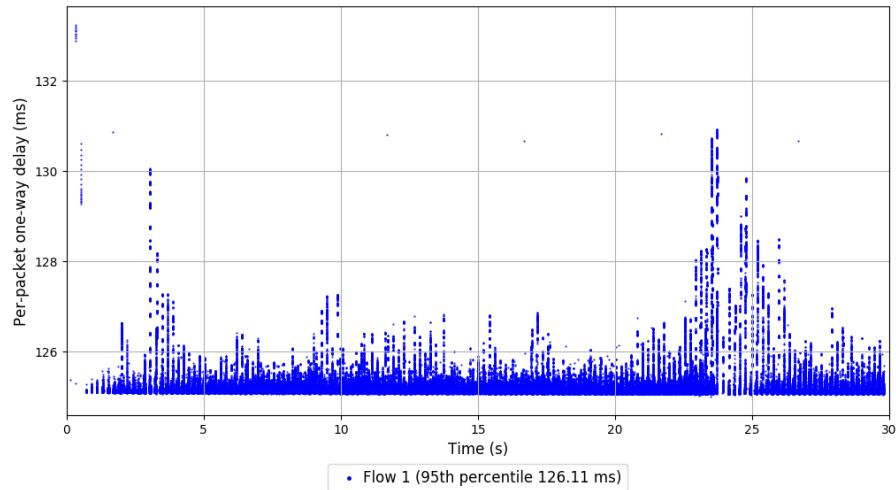
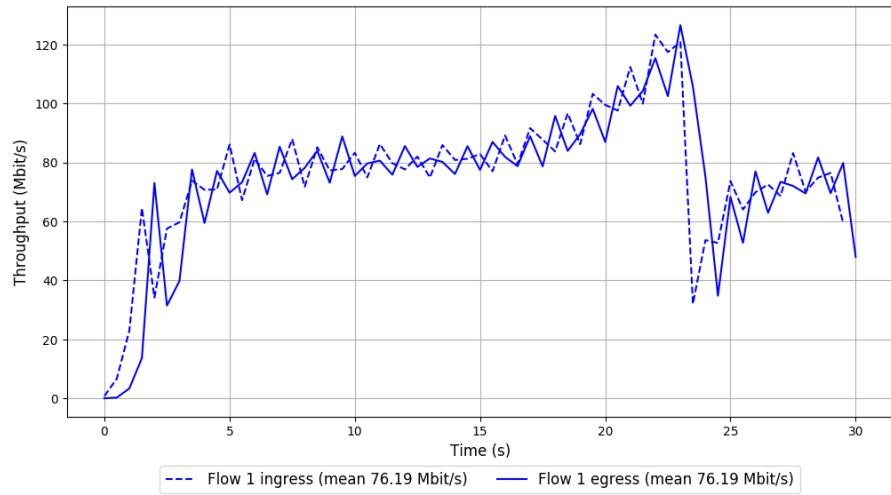


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-22 10:33:47
End at: 2018-05-22 10:34:17
Local clock offset: -0.849 ms
Remote clock offset: -28.604 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.19 Mbit/s
95th percentile per-packet one-way delay: 126.109 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 76.19 Mbit/s
95th percentile per-packet one-way delay: 126.109 ms
Loss rate: 0.65%
```

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

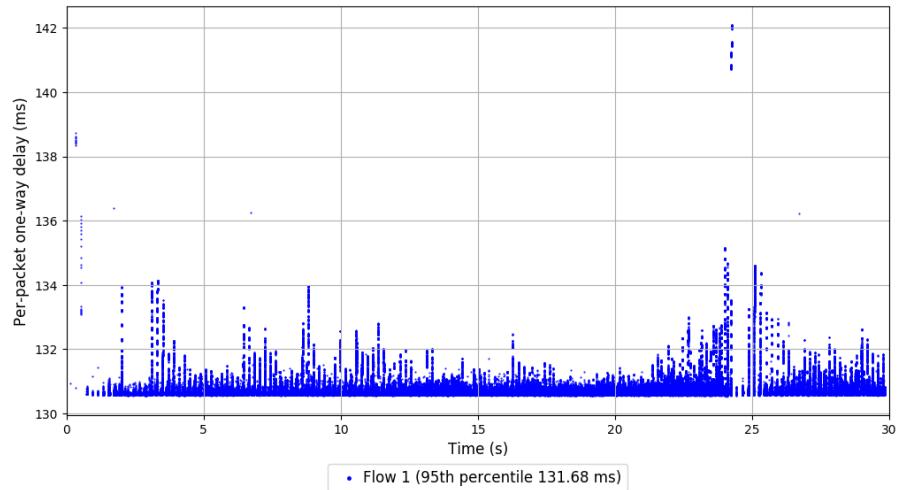
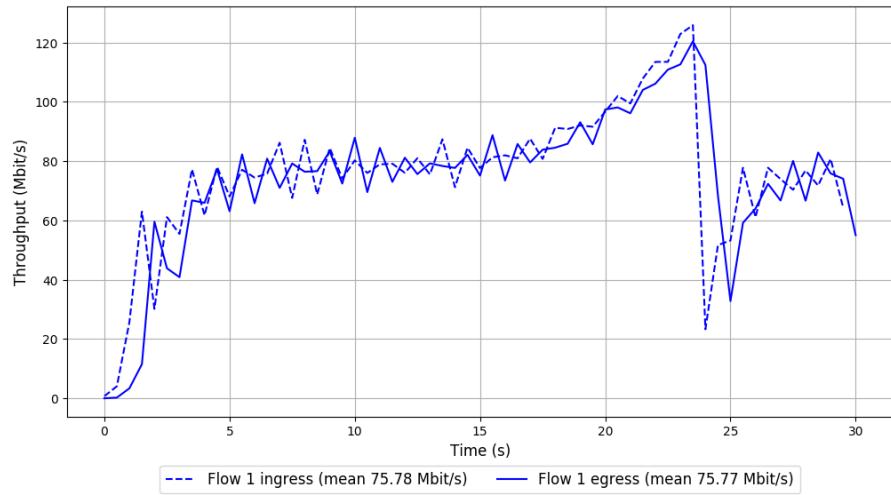


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-22 10:54:30
End at: 2018-05-22 10:55:00
Local clock offset: 1.574 ms
Remote clock offset: -32.49 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 131.680 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 131.680 ms
Loss rate: 0.66%
```

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

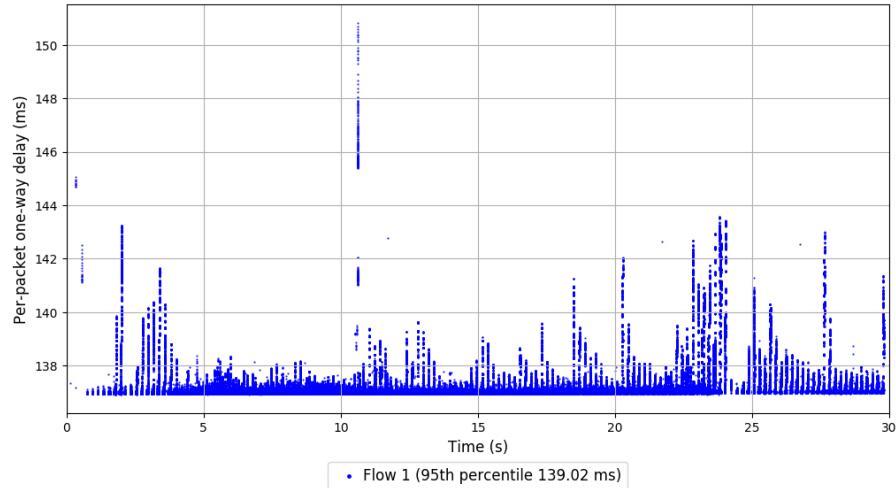
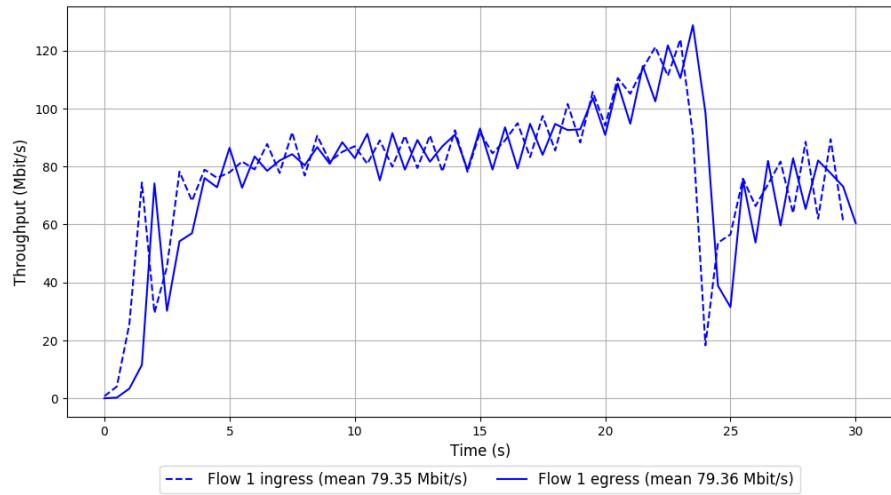


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-22 11:24:43
End at: 2018-05-22 11:25:13
Local clock offset: -1.614 ms
Remote clock offset: -38.738 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 139.019 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 139.019 ms
Loss rate: 0.64%
```

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

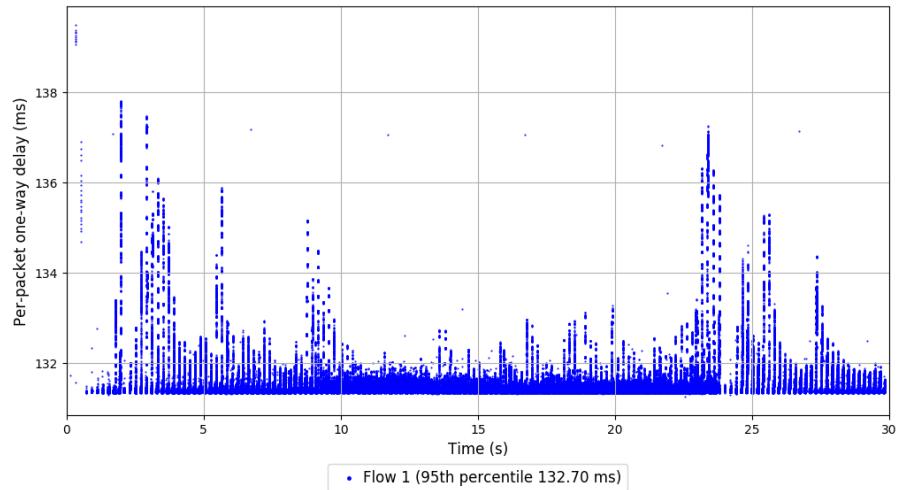
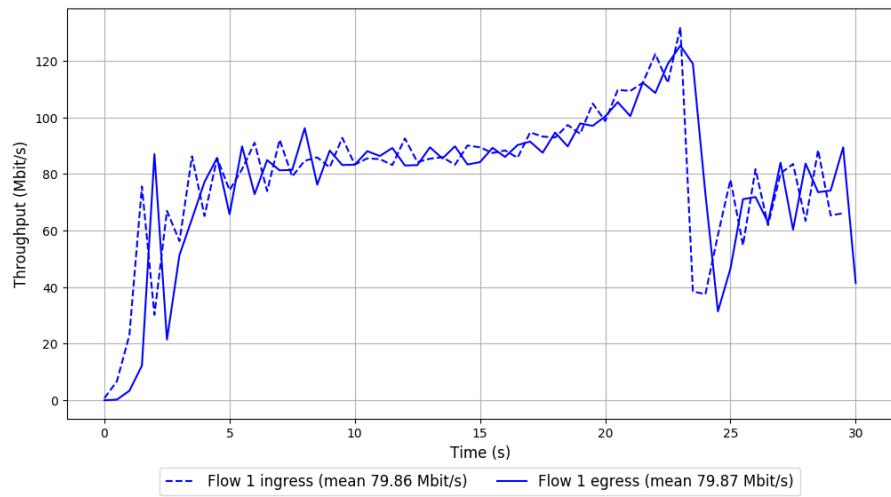


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-22 11:45:24
End at: 2018-05-22 11:45:54
Local clock offset: 0.852 ms
Remote clock offset: -31.708 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 132.704 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 132.704 ms
Loss rate: 0.63%
```

Run 5: Report of TCP Cubic — Data Link

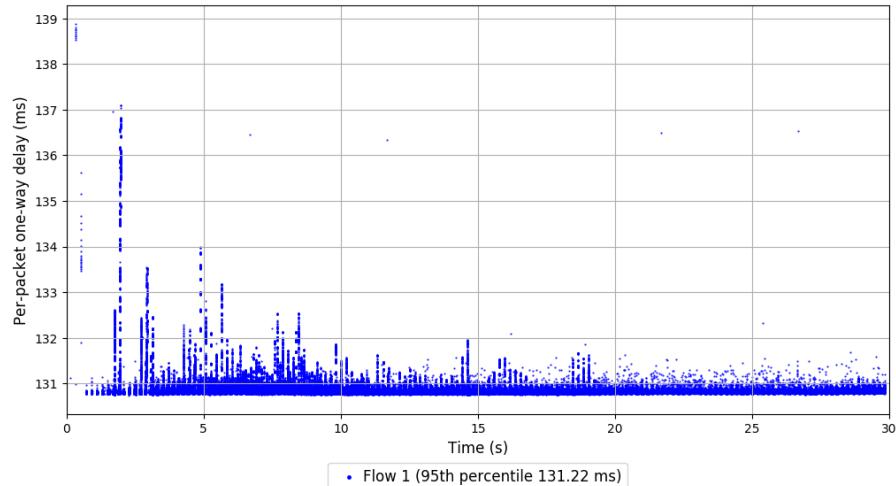
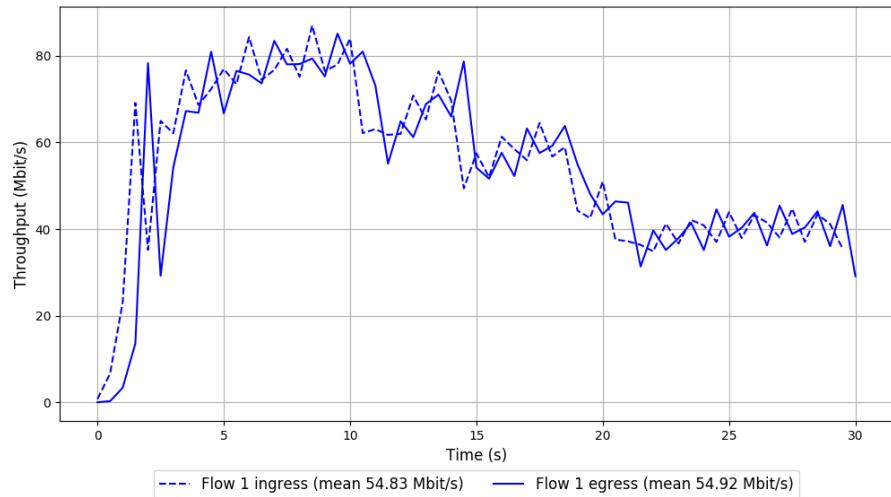


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-22 12:21:36
End at: 2018-05-22 12:22:06
Local clock offset: 0.136 ms
Remote clock offset: -33.806 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.92 Mbit/s
95th percentile per-packet one-way delay: 131.225 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 54.92 Mbit/s
95th percentile per-packet one-way delay: 131.225 ms
Loss rate: 0.49%
```

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

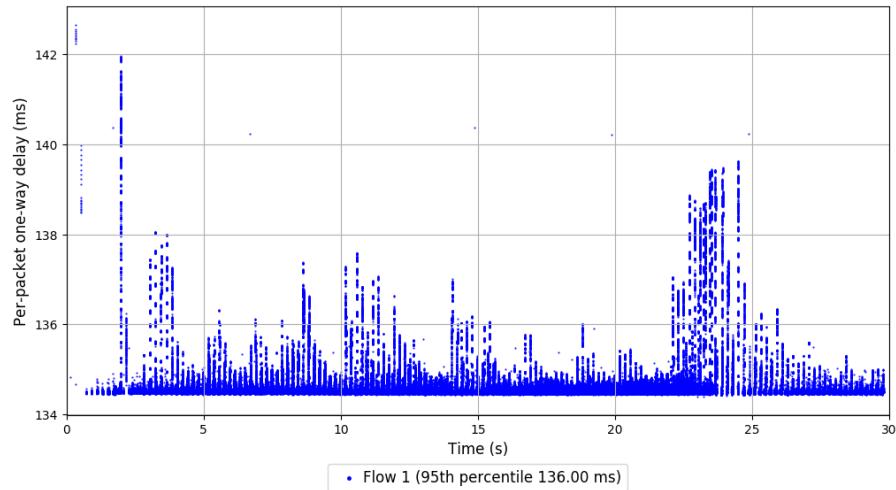
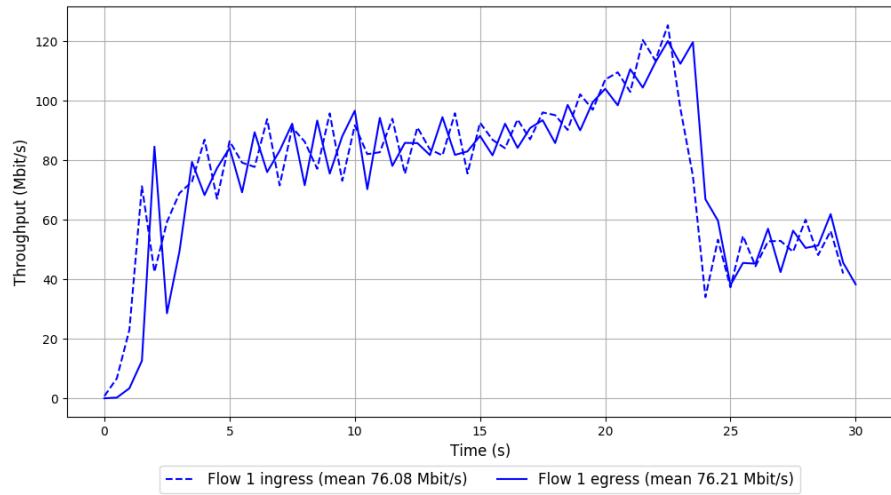


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-22 12:51:59
End at: 2018-05-22 12:52:29
Local clock offset: 2.63 ms
Remote clock offset: -36.057 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 135.999 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 135.999 ms
Loss rate: 0.46%
```

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

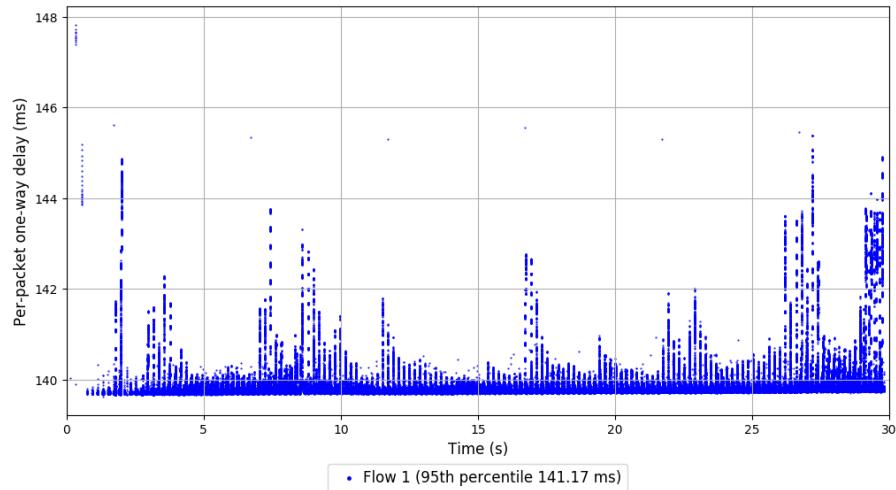
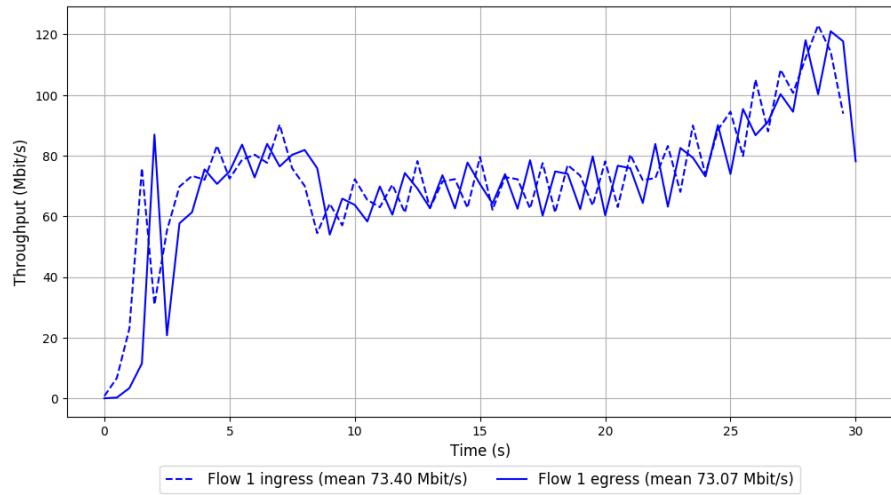


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-22 13:29:33
End at: 2018-05-22 13:30:03
Local clock offset: 1.53 ms
Remote clock offset: -40.11 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.07 Mbit/s
95th percentile per-packet one-way delay: 141.170 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 73.07 Mbit/s
95th percentile per-packet one-way delay: 141.170 ms
Loss rate: 1.04%
```

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

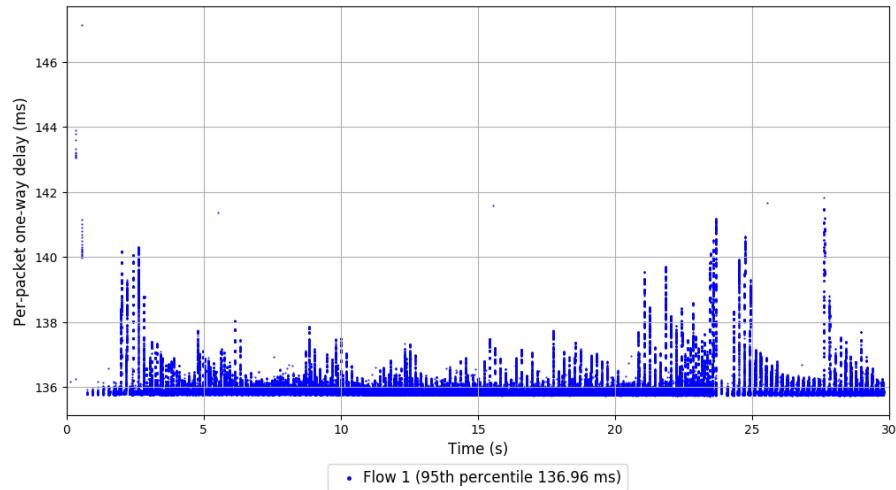
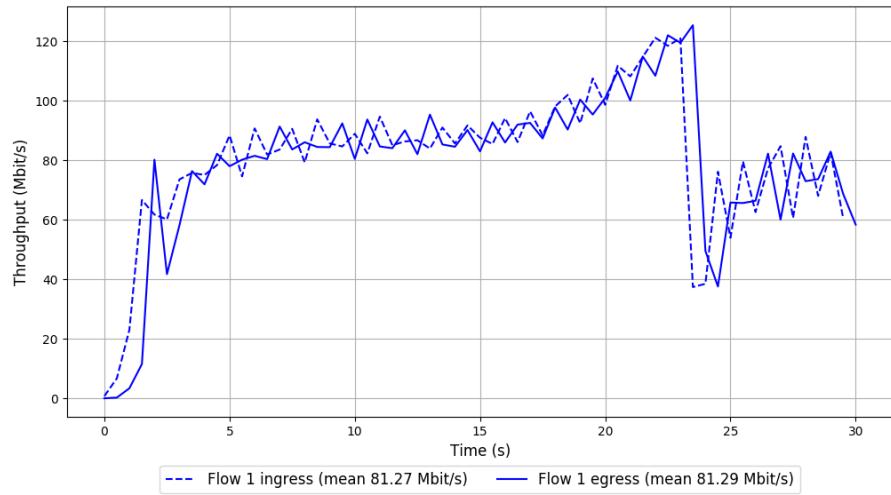


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-22 14:01:19
End at: 2018-05-22 14:01:49
Local clock offset: -1.125 ms
Remote clock offset: -37.409 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 136.955 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 136.955 ms
Loss rate: 0.62%
```

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

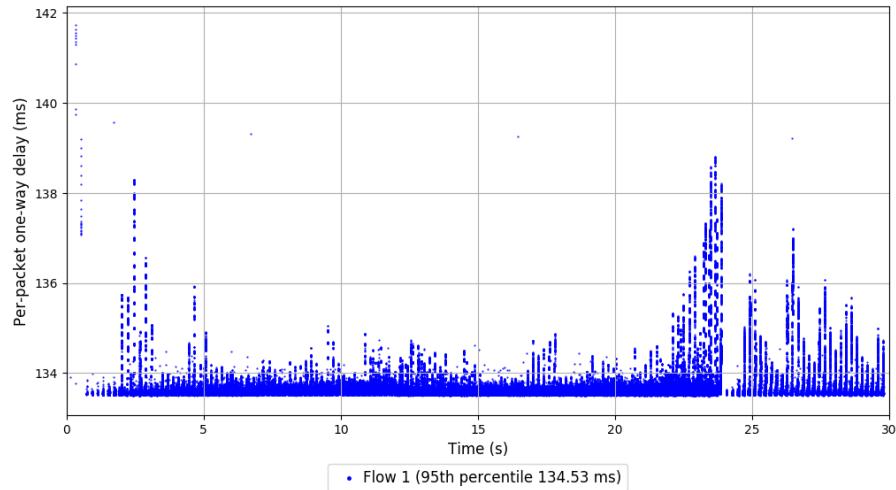
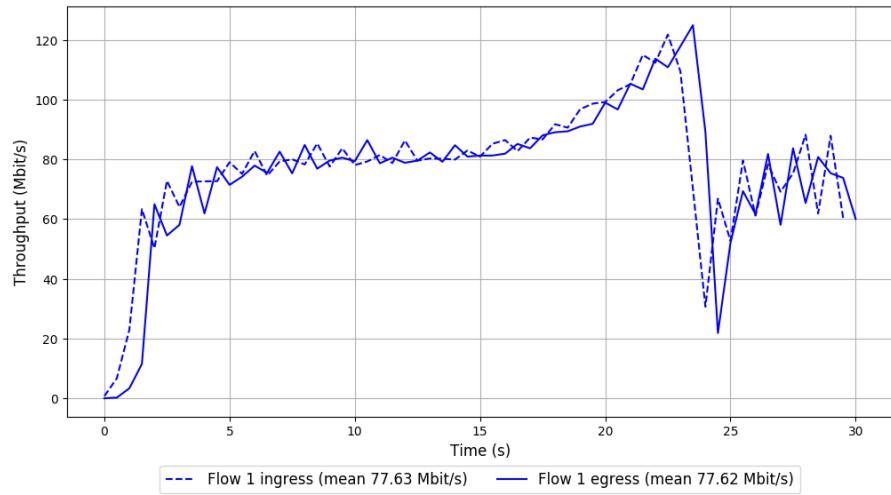


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-22 14:21:57
End at: 2018-05-22 14:22:27
Local clock offset: 1.608 ms
Remote clock offset: -34.148 ms

# Below is generated by plot.py at 2018-05-22 14:37:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.62 Mbit/s
95th percentile per-packet one-way delay: 134.531 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 77.62 Mbit/s
95th percentile per-packet one-way delay: 134.531 ms
Loss rate: 0.65%
```

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

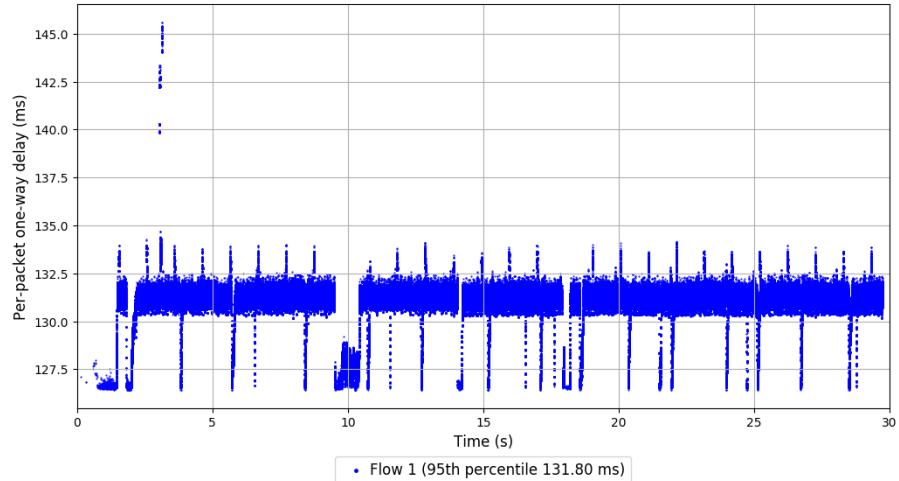
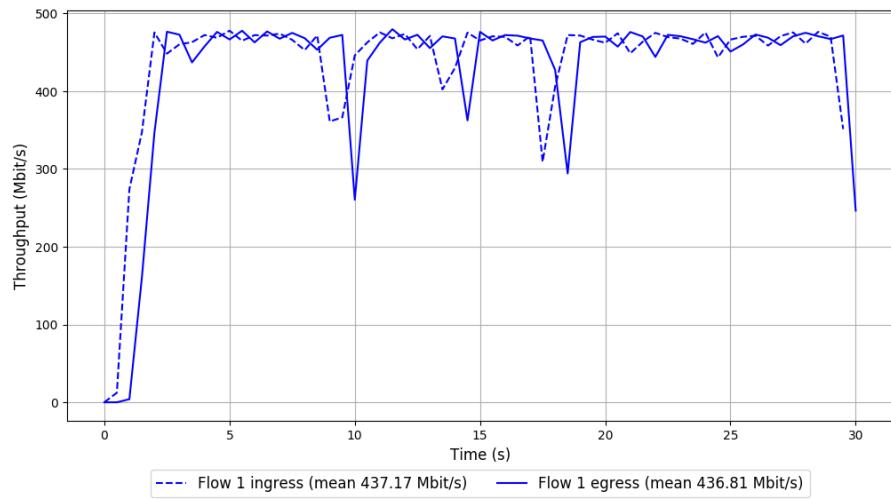


```
Run 1: Statistics of FillP

Start at: 2018-05-22 10:08:53
End at: 2018-05-22 10:09:23
Local clock offset: -1.411 ms
Remote clock offset: -31.053 ms

# Below is generated by plot.py at 2018-05-22 14:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.81 Mbit/s
95th percentile per-packet one-way delay: 131.801 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 436.81 Mbit/s
95th percentile per-packet one-way delay: 131.801 ms
Loss rate: 0.87%
```

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

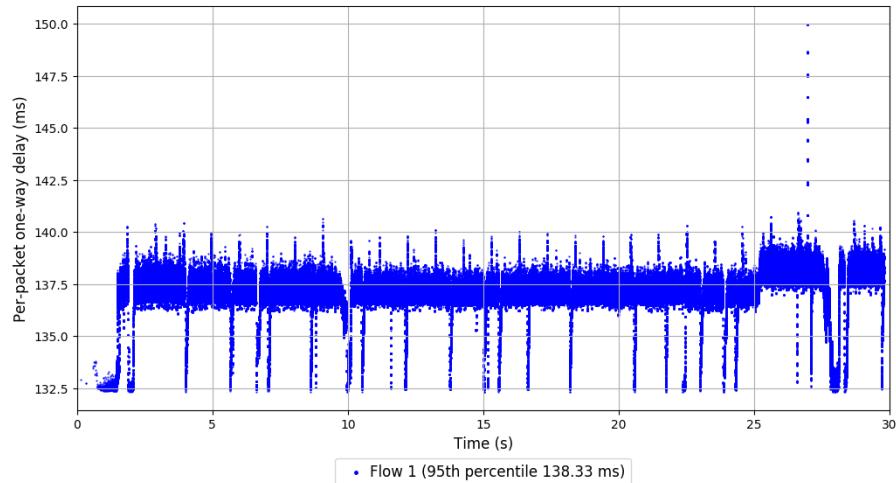
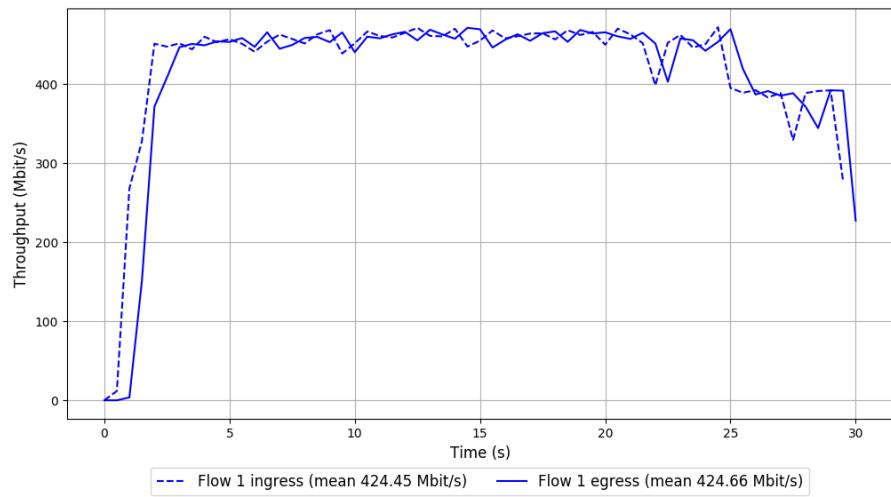


Run 2: Statistics of FillP

```
Start at: 2018-05-22 10:35:08
End at: 2018-05-22 10:35:38
Local clock offset: 1.163 ms
Remote clock offset: -34.109 ms

# Below is generated by plot.py at 2018-05-22 14:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 424.66 Mbit/s
95th percentile per-packet one-way delay: 138.331 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 424.66 Mbit/s
95th percentile per-packet one-way delay: 138.331 ms
Loss rate: 0.62%
```

## Run 2: Report of FillP — Data Link

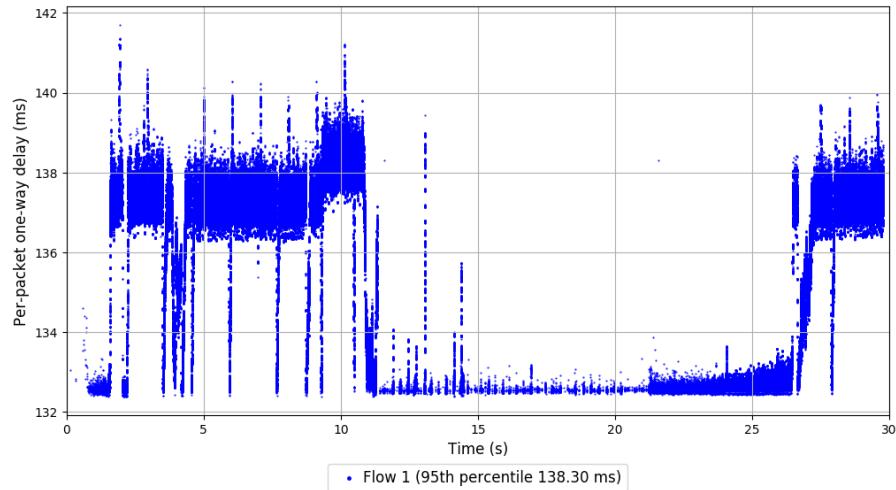
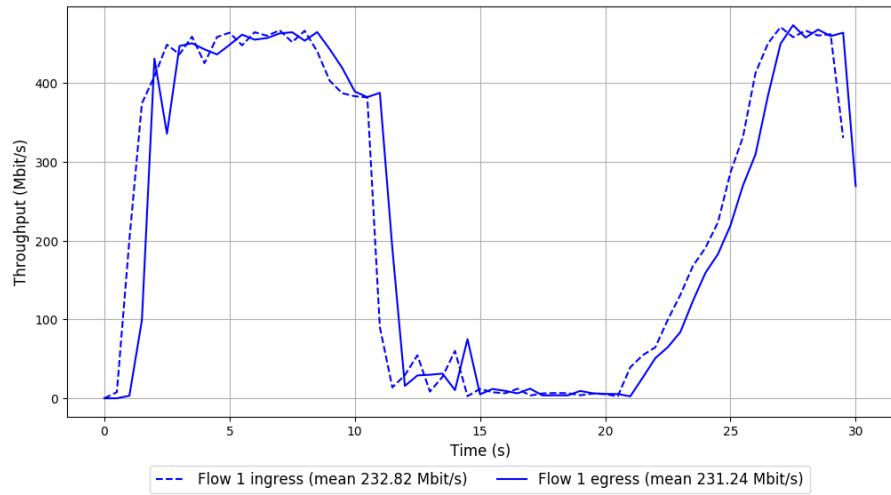


Run 3: Statistics of FillP

```
Start at: 2018-05-22 10:55:44
End at: 2018-05-22 10:56:14
Local clock offset: 2.277 ms
Remote clock offset: -33.697 ms

# Below is generated by plot.py at 2018-05-22 14:41:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.24 Mbit/s
95th percentile per-packet one-way delay: 138.300 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 231.24 Mbit/s
95th percentile per-packet one-way delay: 138.300 ms
Loss rate: 1.33%
```

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

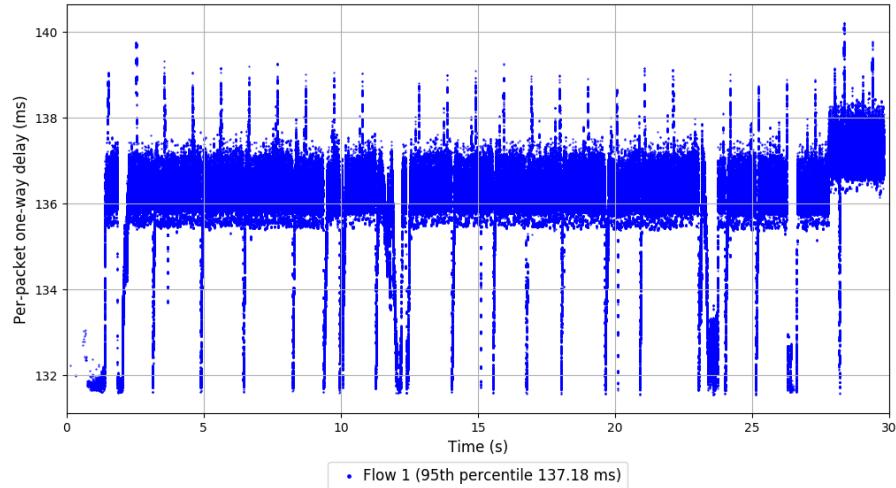
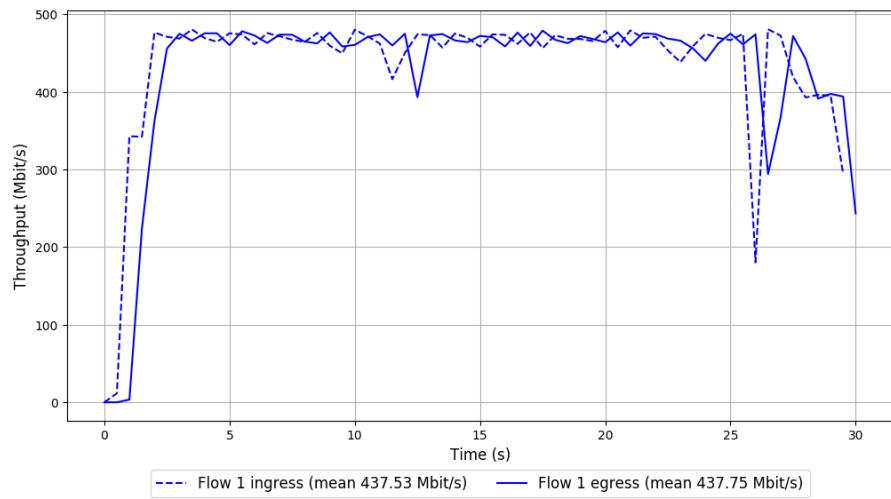


Run 4: Statistics of FillP

```
Start at: 2018-05-22 11:25:57
End at: 2018-05-22 11:26:27
Local clock offset: -2.12 ms
Remote clock offset: -33.981 ms

# Below is generated by plot.py at 2018-05-22 14:41:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 437.75 Mbit/s
95th percentile per-packet one-way delay: 137.176 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 437.75 Mbit/s
95th percentile per-packet one-way delay: 137.176 ms
Loss rate: 0.61%
```

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

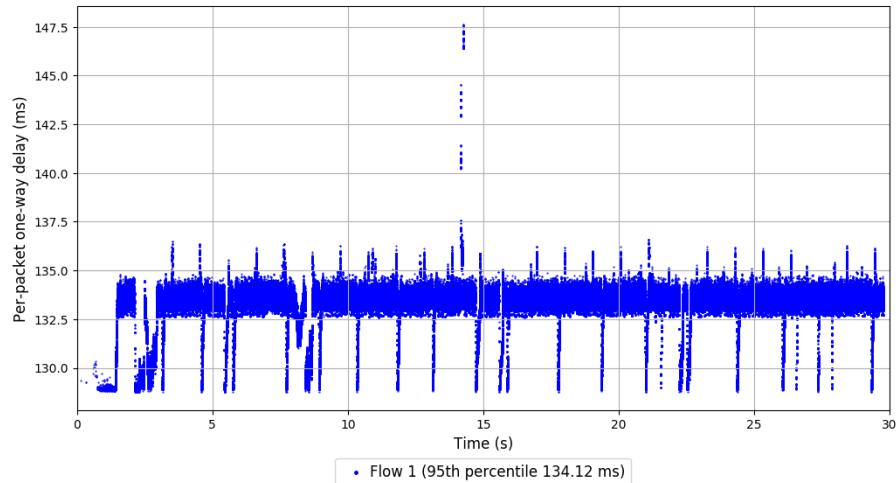
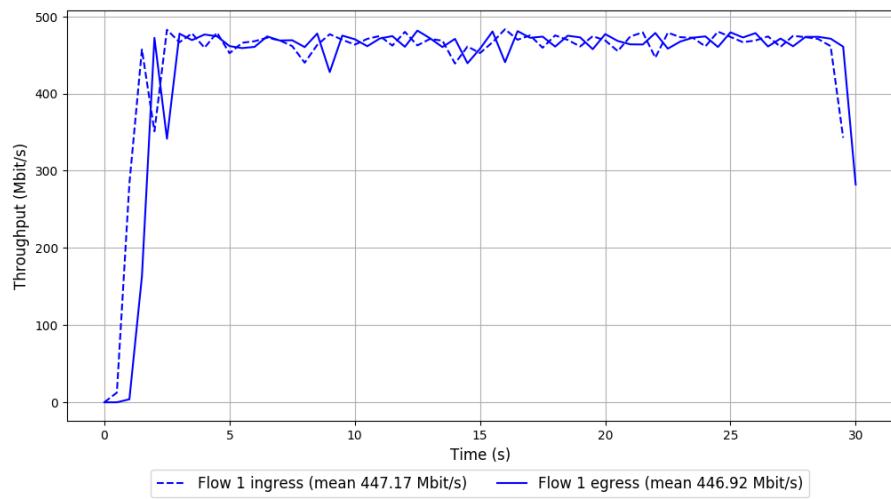


Run 5: Statistics of FillP

```
Start at: 2018-05-22 11:46:38
End at: 2018-05-22 11:47:08
Local clock offset: -1.132 ms
Remote clock offset: -32.741 ms

# Below is generated by plot.py at 2018-05-22 14:42:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 446.92 Mbit/s
95th percentile per-packet one-way delay: 134.115 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 446.92 Mbit/s
95th percentile per-packet one-way delay: 134.115 ms
Loss rate: 0.71%
```

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

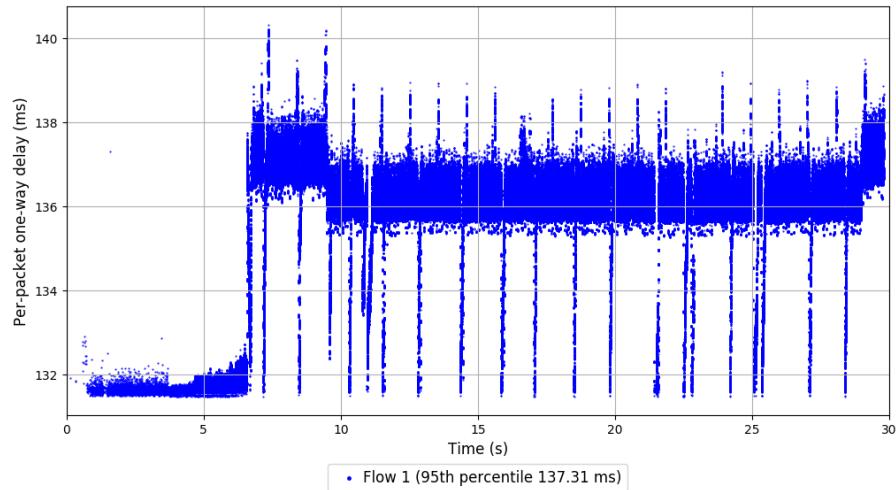
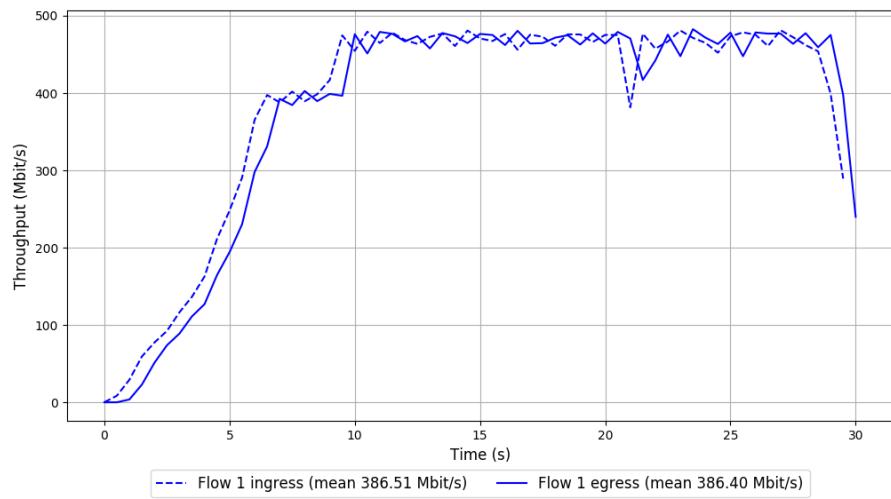


Run 6: Statistics of FillP

```
Start at: 2018-05-22 12:22:53
End at: 2018-05-22 12:23:23
Local clock offset: 1.814 ms
Remote clock offset: -32.877 ms

# Below is generated by plot.py at 2018-05-22 14:42:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 386.40 Mbit/s
95th percentile per-packet one-way delay: 137.314 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 386.40 Mbit/s
95th percentile per-packet one-way delay: 137.314 ms
Loss rate: 0.69%
```

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

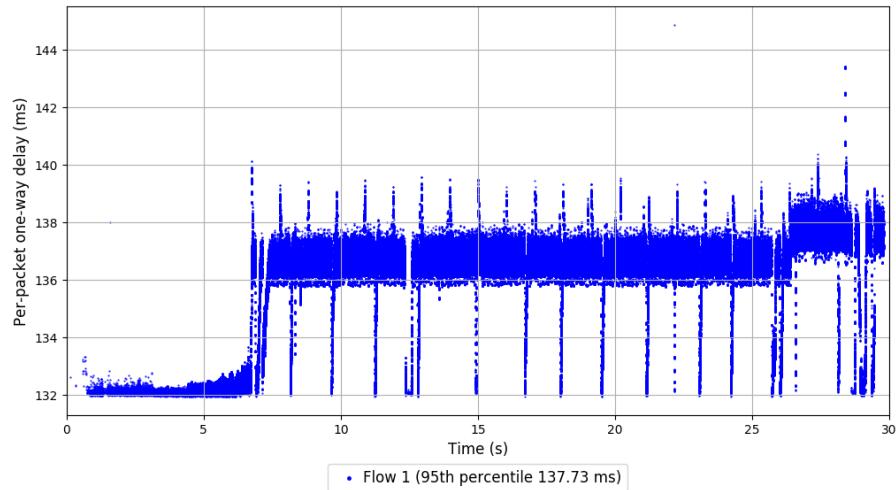
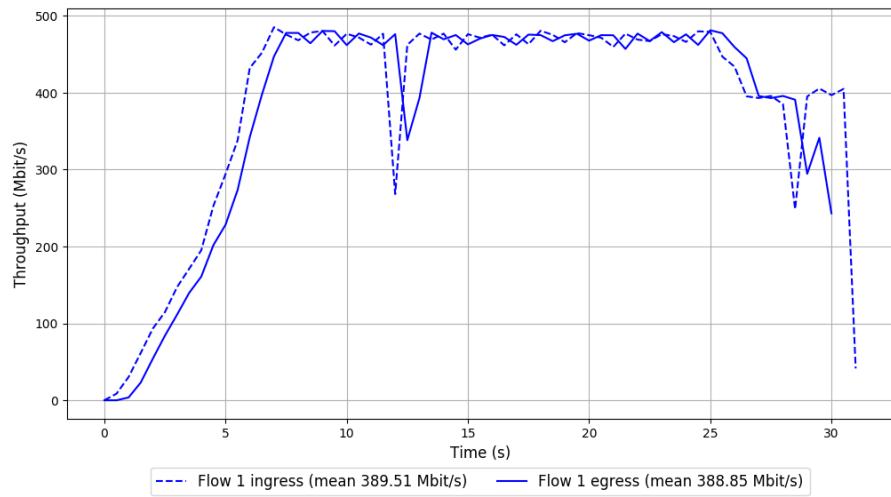


Run 7: Statistics of FillP

```
Start at: 2018-05-22 12:53:13
End at: 2018-05-22 12:53:43
Local clock offset: 1.873 ms
Remote clock offset: -34.294 ms

# Below is generated by plot.py at 2018-05-22 14:42:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.85 Mbit/s
95th percentile per-packet one-way delay: 137.727 ms
Loss rate: 4.61%
-- Flow 1:
Average throughput: 388.85 Mbit/s
95th percentile per-packet one-way delay: 137.727 ms
Loss rate: 4.61%
```

Run 7: Report of FillP — Data Link

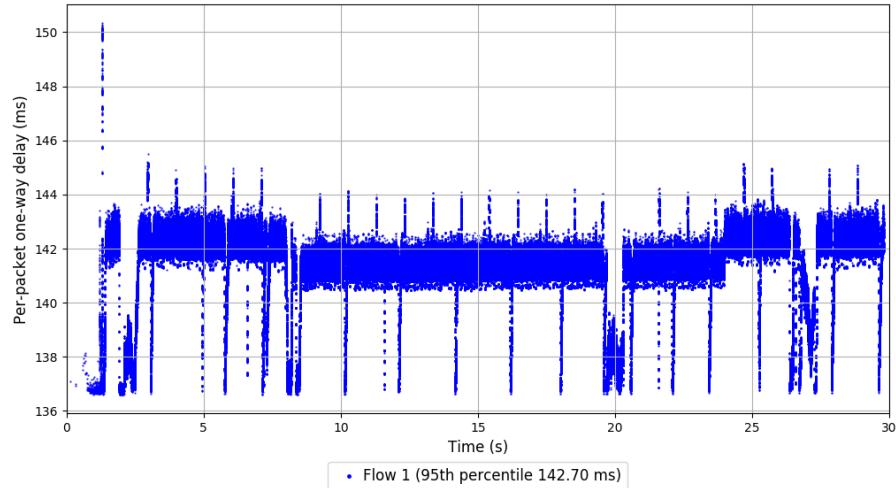
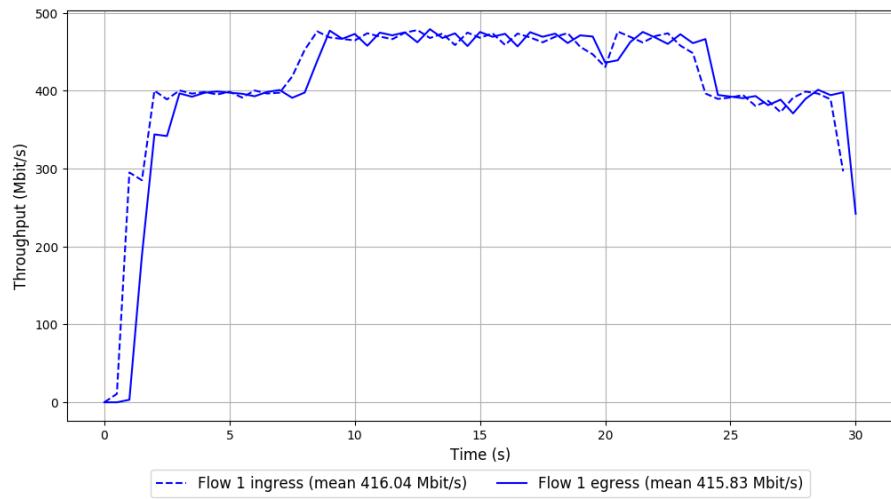


Run 8: Statistics of FillP

```
Start at: 2018-05-22 13:30:46
End at: 2018-05-22 13:31:16
Local clock offset: 1.685 ms
Remote clock offset: -36.808 ms

# Below is generated by plot.py at 2018-05-22 14:44:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.83 Mbit/s
95th percentile per-packet one-way delay: 142.697 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 415.83 Mbit/s
95th percentile per-packet one-way delay: 142.697 ms
Loss rate: 0.71%
```

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

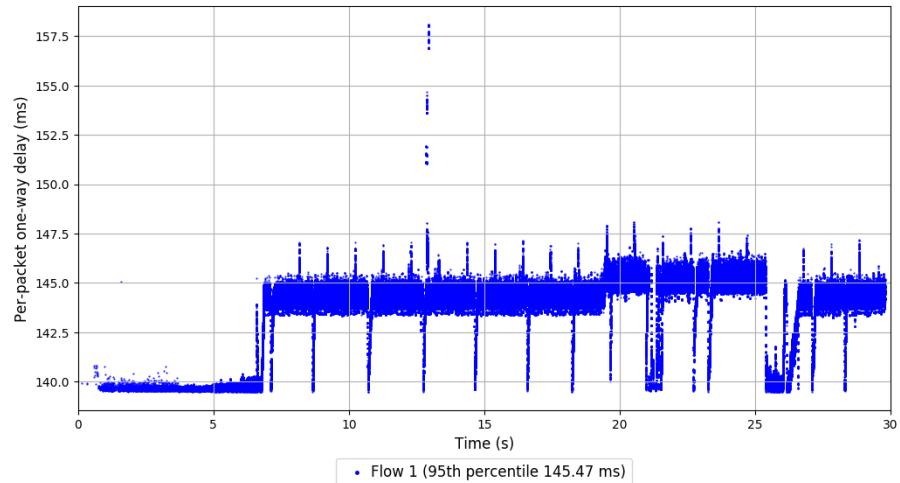
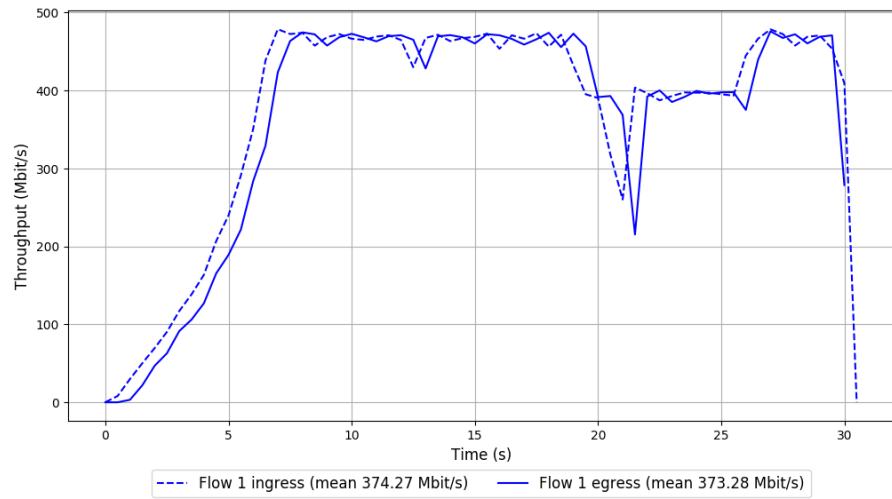


Run 9: Statistics of FillP

```
Start at: 2018-05-22 14:02:33
End at: 2018-05-22 14:03:03
Local clock offset: 0.423 ms
Remote clock offset: -39.652 ms

# Below is generated by plot.py at 2018-05-22 14:45:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 373.28 Mbit/s
95th percentile per-packet one-way delay: 145.465 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 373.28 Mbit/s
95th percentile per-packet one-way delay: 145.465 ms
Loss rate: 3.15%
```

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

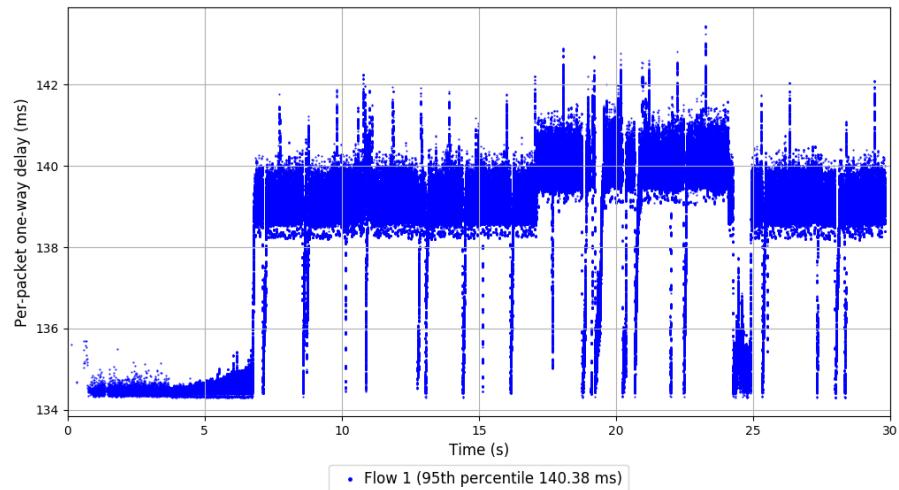
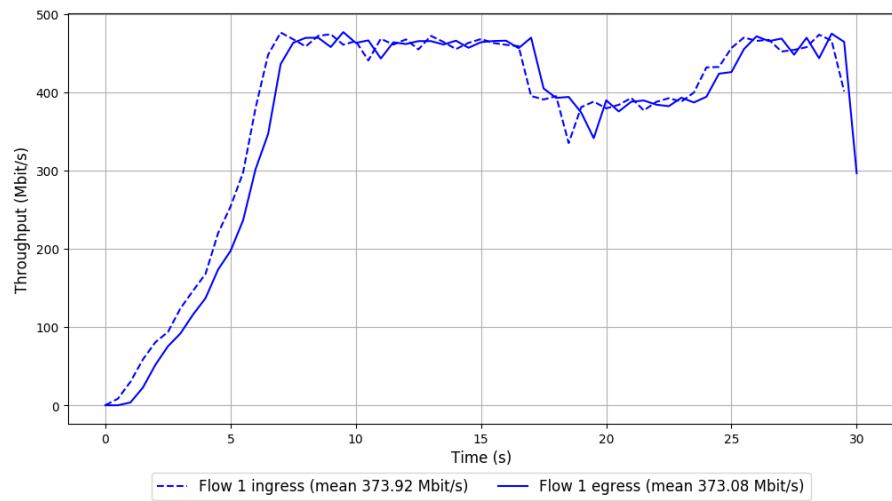


Run 10: Statistics of FillP

```
Start at: 2018-05-22 14:23:11
End at: 2018-05-22 14:23:41
Local clock offset: 1.717 ms
Remote clock offset: -34.889 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 373.08 Mbit/s
95th percentile per-packet one-way delay: 140.375 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 373.08 Mbit/s
95th percentile per-packet one-way delay: 140.375 ms
Loss rate: 1.06%
```

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

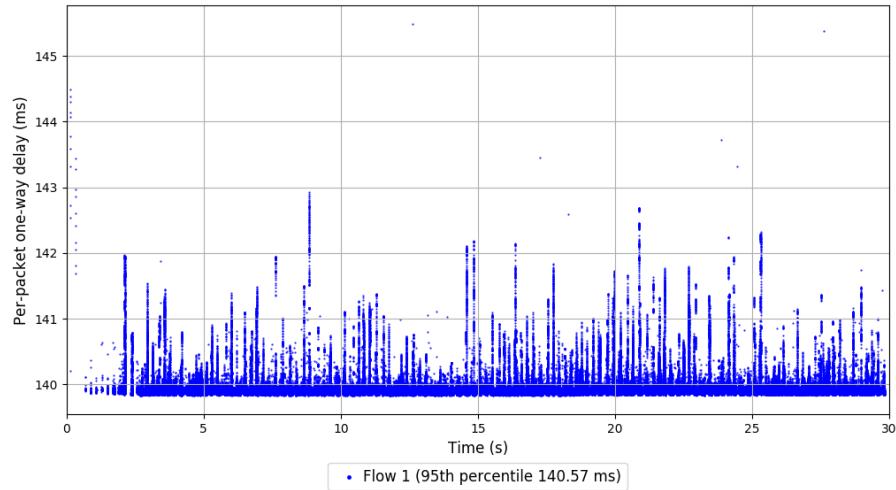
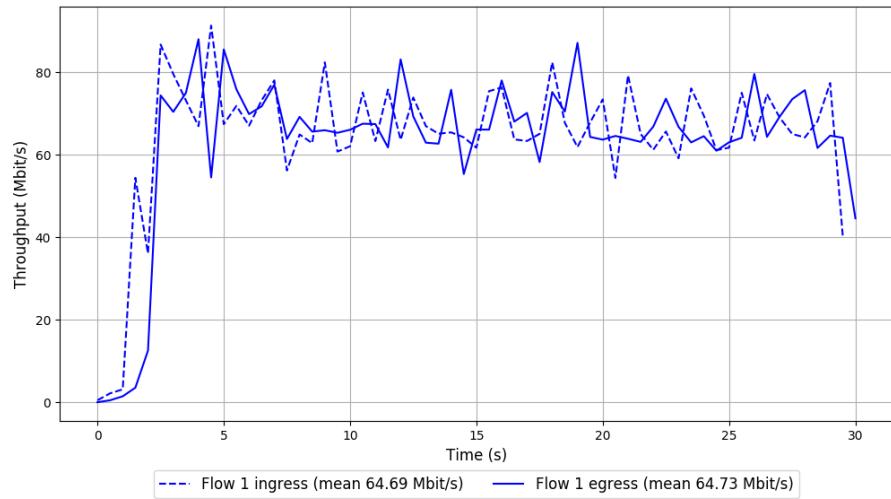


Run 1: Statistics of Indigo

```
Start at: 2018-05-22 09:52:19
End at: 2018-05-22 09:52:49
Local clock offset: 1.124 ms
Remote clock offset: -41.315 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.73 Mbit/s
95th percentile per-packet one-way delay: 140.567 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 64.73 Mbit/s
95th percentile per-packet one-way delay: 140.567 ms
Loss rate: 0.58%
```

Run 1: Report of Indigo — Data Link

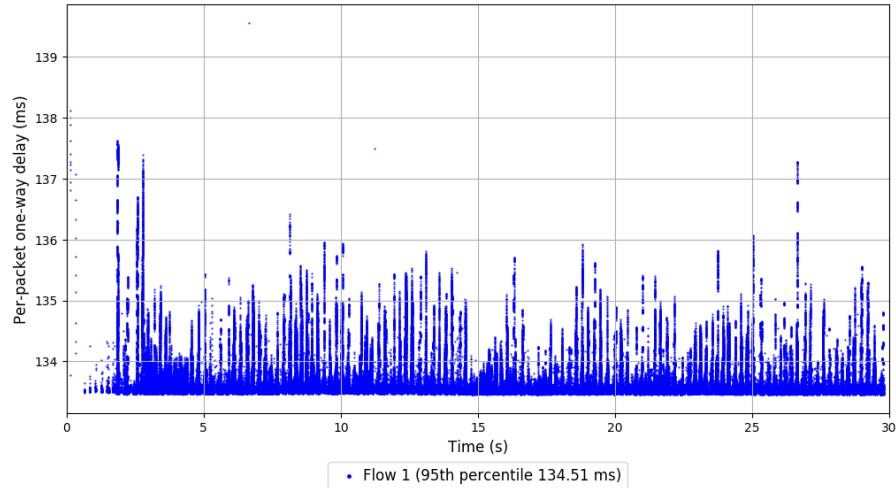
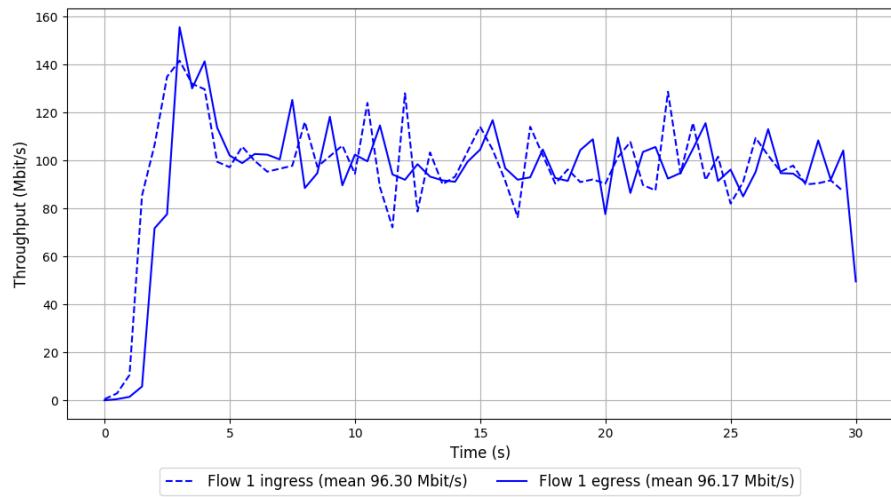


Run 2: Statistics of Indigo

```
Start at: 2018-05-22 10:12:57
End at: 2018-05-22 10:13:27
Local clock offset: -1.171 ms
Remote clock offset: -36.309 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 134.510 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 134.510 ms
Loss rate: 0.77%
```

## Run 2: Report of Indigo — Data Link

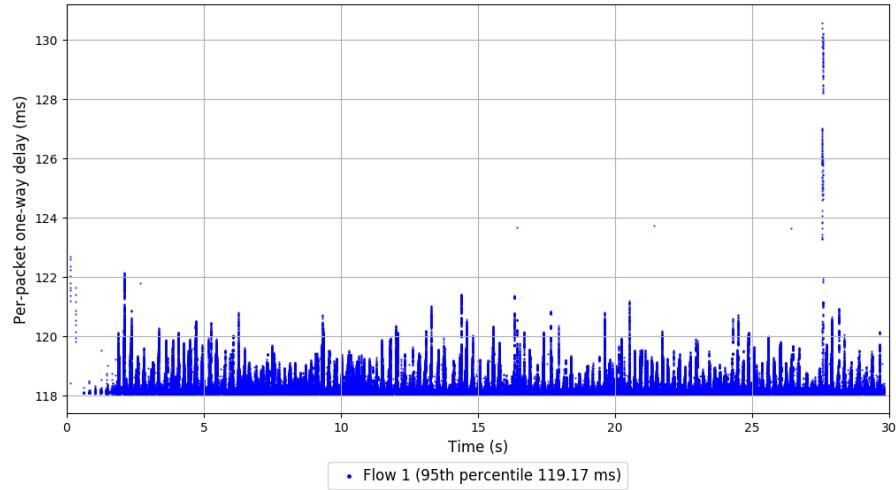
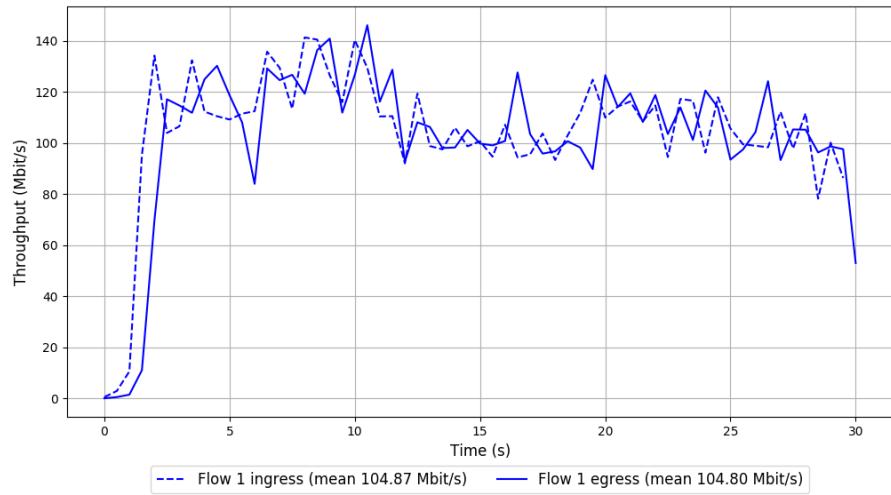


Run 3: Statistics of Indigo

```
Start at: 2018-05-22 10:39:14
End at: 2018-05-22 10:39:44
Local clock offset: -0.977 ms
Remote clock offset: -23.444 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.80 Mbit/s
95th percentile per-packet one-way delay: 119.172 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 104.80 Mbit/s
95th percentile per-packet one-way delay: 119.172 ms
Loss rate: 0.70%
```

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

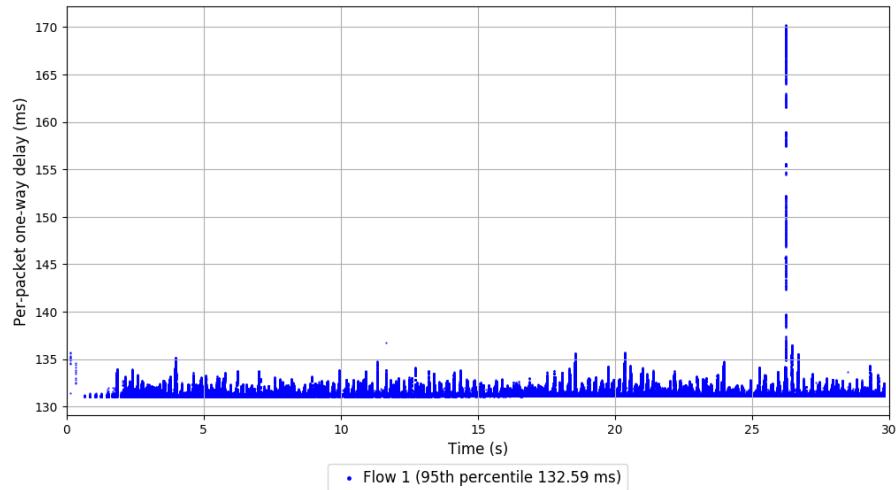
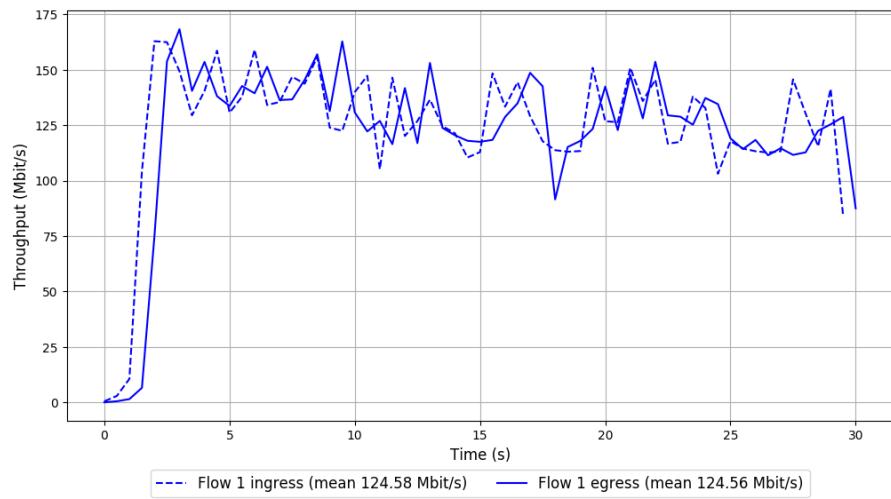


Run 4: Statistics of Indigo

```
Start at: 2018-05-22 10:59:44
End at: 2018-05-22 11:00:14
Local clock offset: 1.159 ms
Remote clock offset: -33.739 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.56 Mbit/s
95th percentile per-packet one-way delay: 132.589 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 124.56 Mbit/s
95th percentile per-packet one-way delay: 132.589 ms
Loss rate: 0.66%
```

## Run 4: Report of Indigo — Data Link

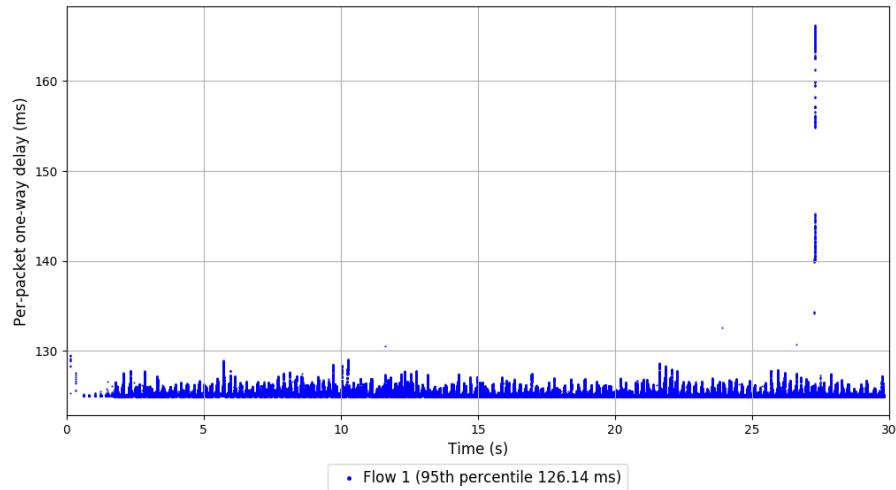
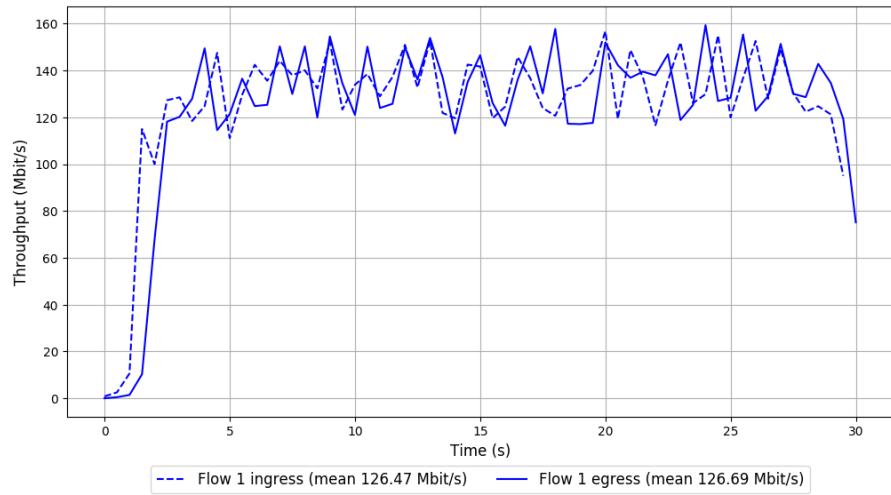


Run 5: Statistics of Indigo

```
Start at: 2018-05-22 11:30:02
End at: 2018-05-22 11:30:32
Local clock offset: -0.133 ms
Remote clock offset: -25.707 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.69 Mbit/s
95th percentile per-packet one-way delay: 126.138 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 126.69 Mbit/s
95th percentile per-packet one-way delay: 126.138 ms
Loss rate: 0.49%
```

Run 5: Report of Indigo — Data Link

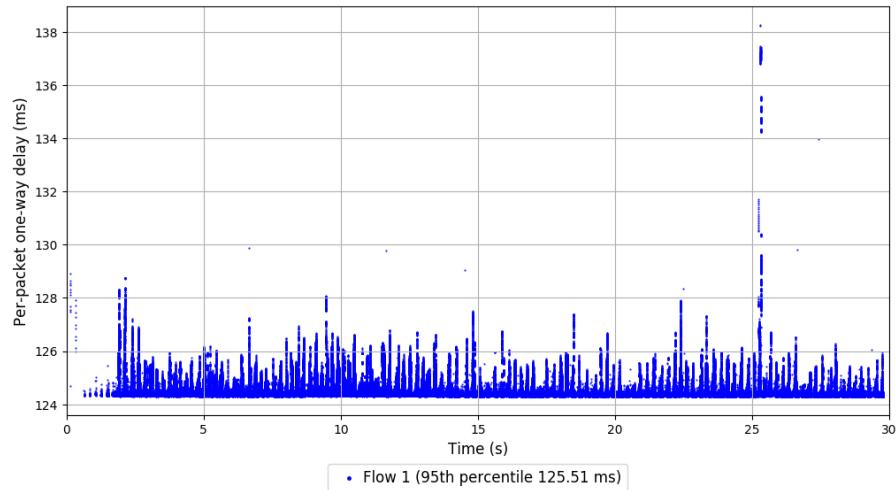
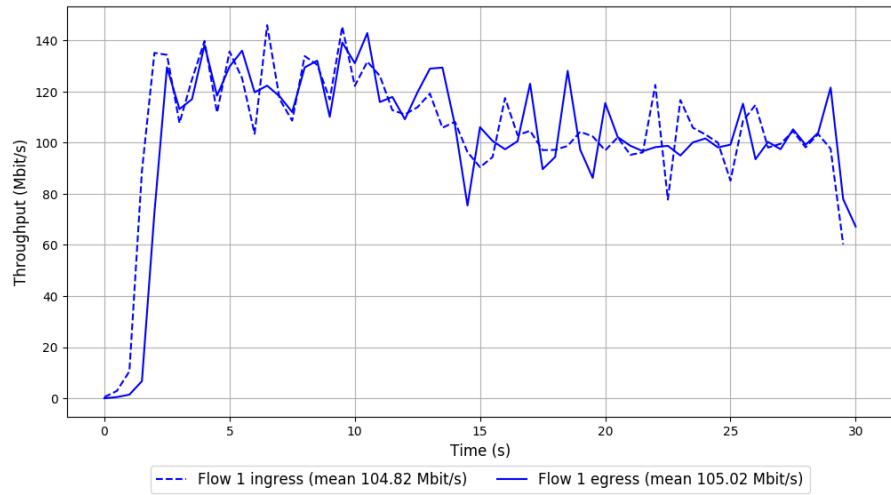


Run 6: Statistics of Indigo

```
Start at: 2018-05-22 12:00:26
End at: 2018-05-22 12:00:56
Local clock offset: -1.224 ms
Remote clock offset: -27.069 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.02 Mbit/s
95th percentile per-packet one-way delay: 125.508 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 105.02 Mbit/s
95th percentile per-packet one-way delay: 125.508 ms
Loss rate: 0.47%
```

Run 6: Report of Indigo — Data Link

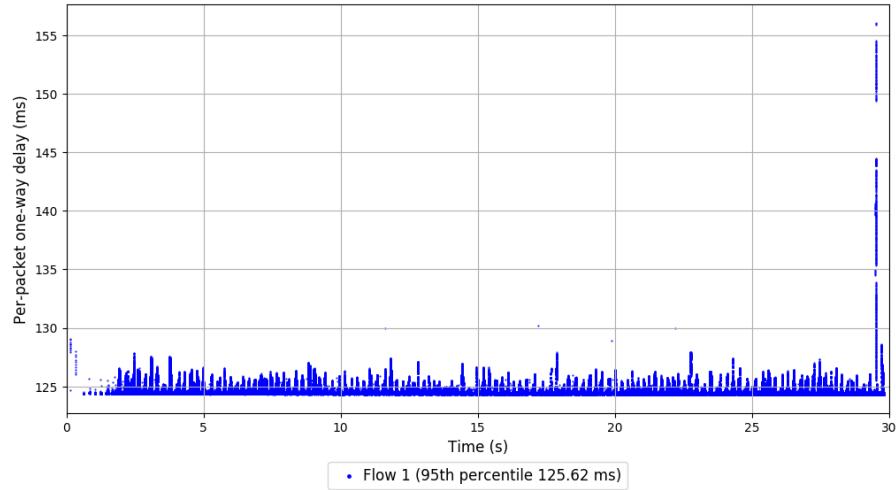
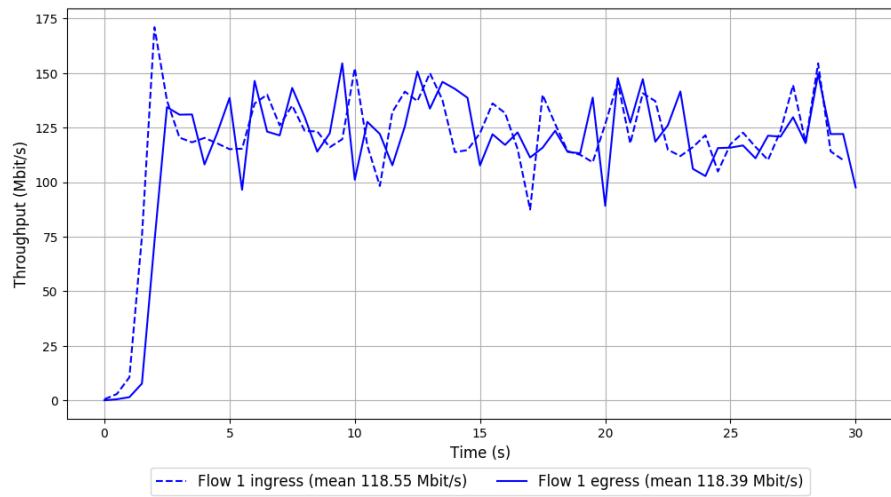


Run 7: Statistics of Indigo

Start at: 2018-05-22 12:26:56  
End at: 2018-05-22 12:27:26  
Local clock offset: -0.344 ms  
Remote clock offset: -26.403 ms

```
# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.39 Mbit/s
95th percentile per-packet one-way delay: 125.620 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 118.39 Mbit/s
95th percentile per-packet one-way delay: 125.620 ms
Loss rate: 0.77%
```

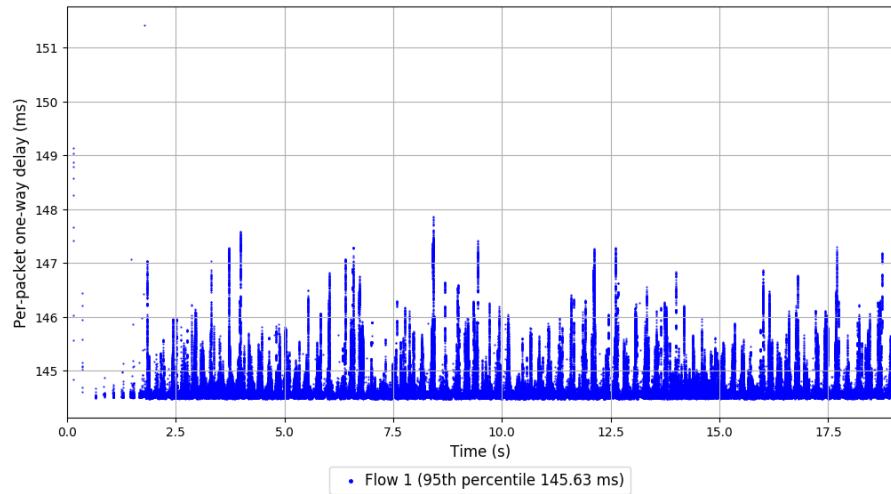
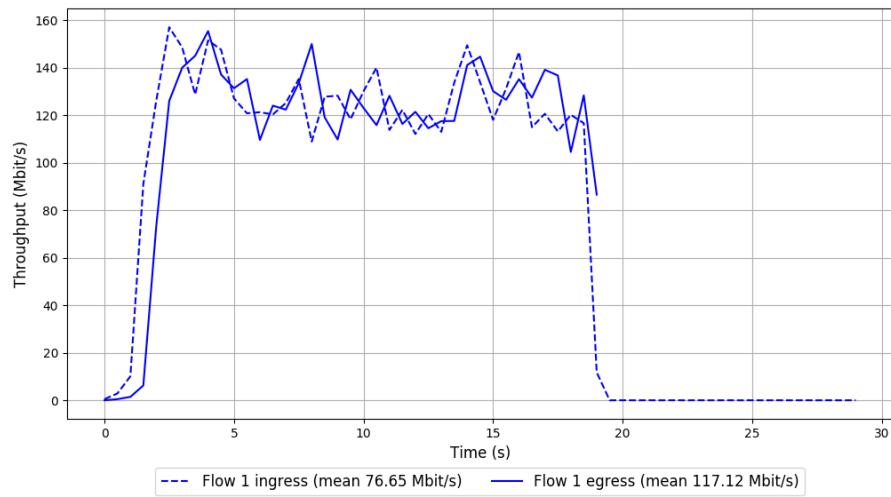
## Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 12:57:19  
End at: 2018-05-22 12:57:49  
Local clock offset: 3.553 ms  
Remote clock offset: -43.671 ms

## Run 8: Report of Indigo — Data Link

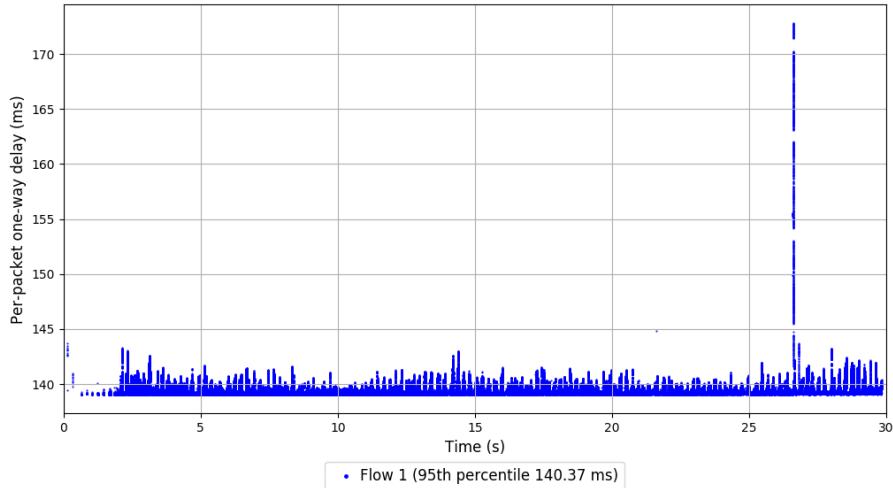
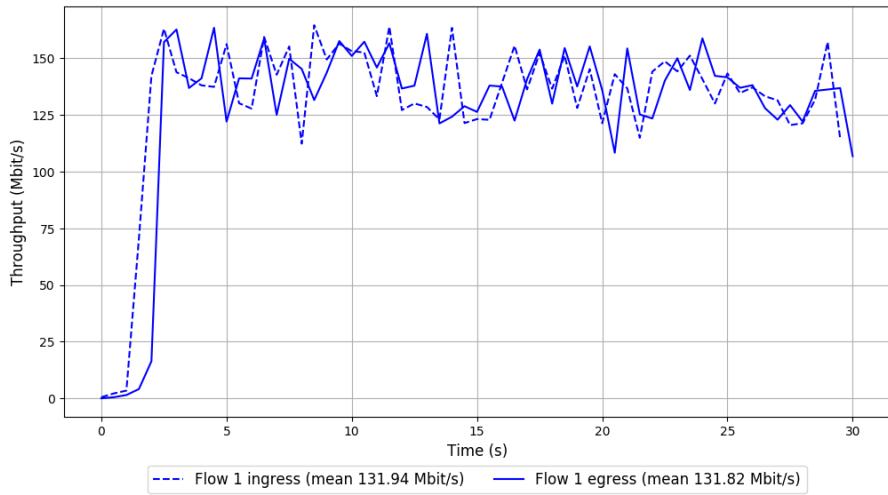


Run 9: Statistics of Indigo

```
Start at: 2018-05-22 13:34:51
End at: 2018-05-22 13:35:21
Local clock offset: 1.282 ms
Remote clock offset: -39.076 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.82 Mbit/s
95th percentile per-packet one-way delay: 140.371 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 131.82 Mbit/s
95th percentile per-packet one-way delay: 140.371 ms
Loss rate: 0.74%
```

Run 9: Report of Indigo — Data Link

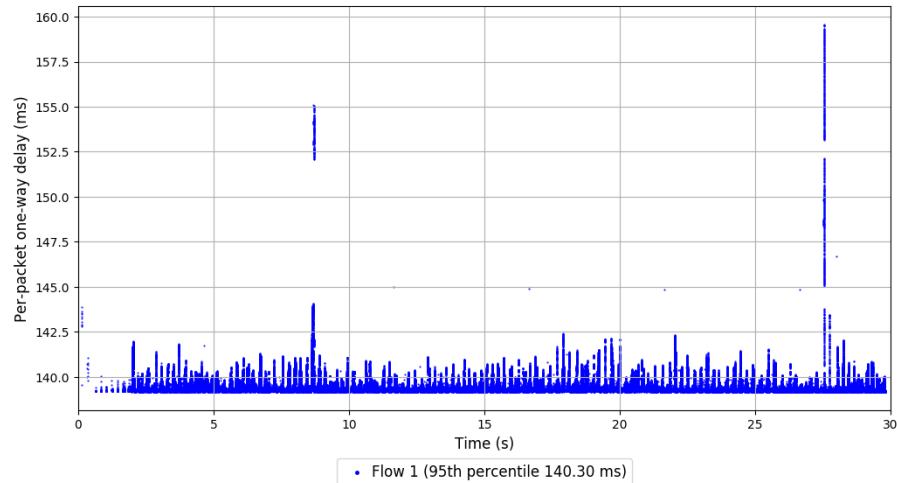
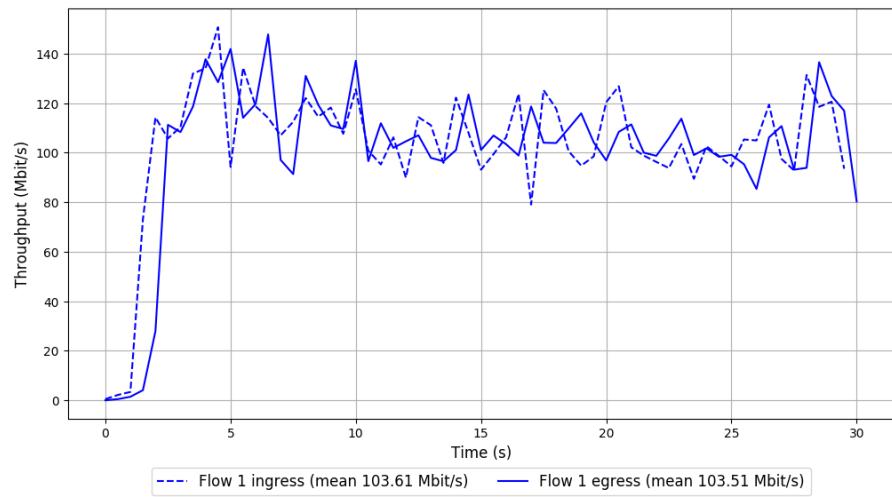


Run 10: Statistics of Indigo

```
Start at: 2018-05-22 14:06:37
End at: 2018-05-22 14:07:07
Local clock offset: 0.986 ms
Remote clock offset: -38.847 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 140.296 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 140.296 ms
Loss rate: 0.77%
```

Run 10: Report of Indigo — Data Link

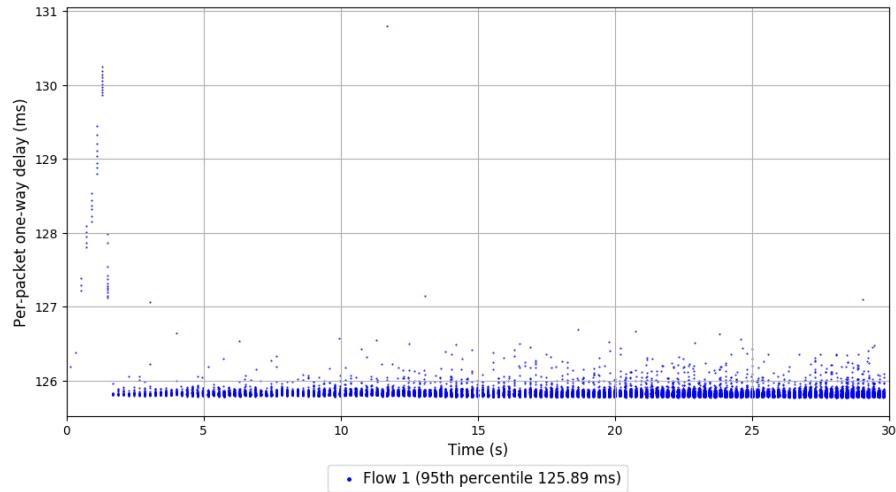
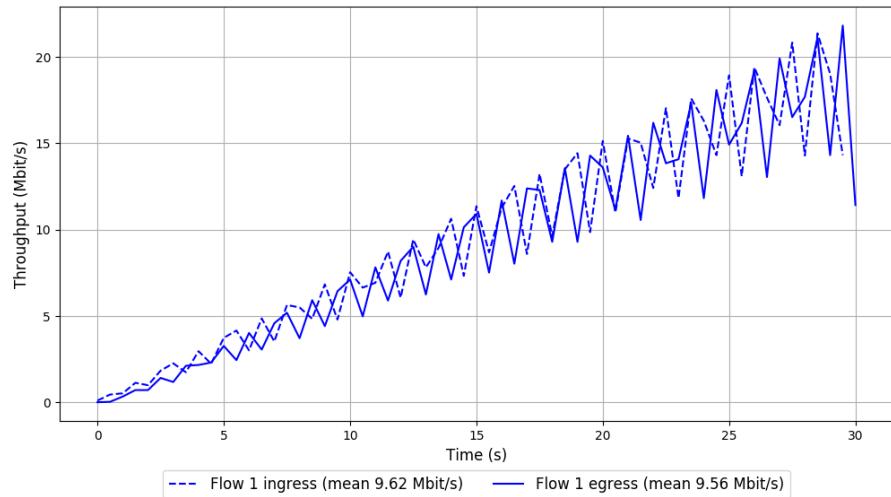


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-22 10:11:46
End at: 2018-05-22 10:12:16
Local clock offset: 0.112 ms
Remote clock offset: -28.793 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 125.885 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 125.885 ms
Loss rate: 1.27%
```

## Run 1: Report of LEDBAT — Data Link

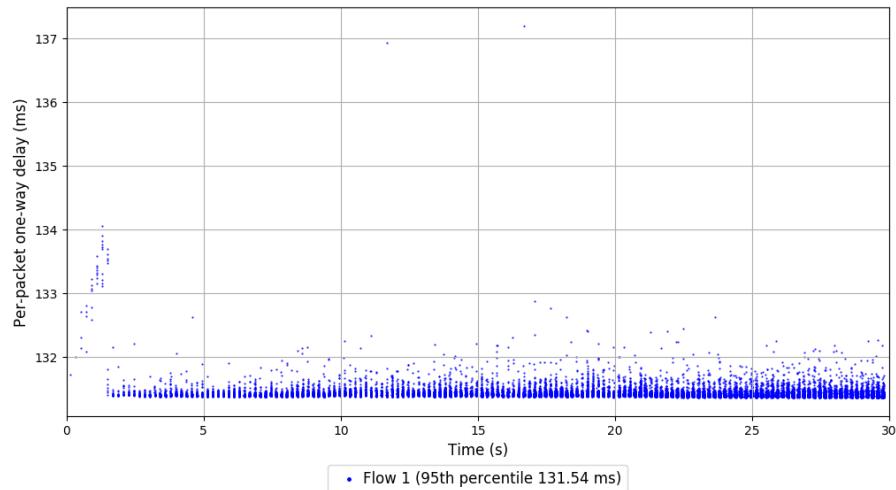
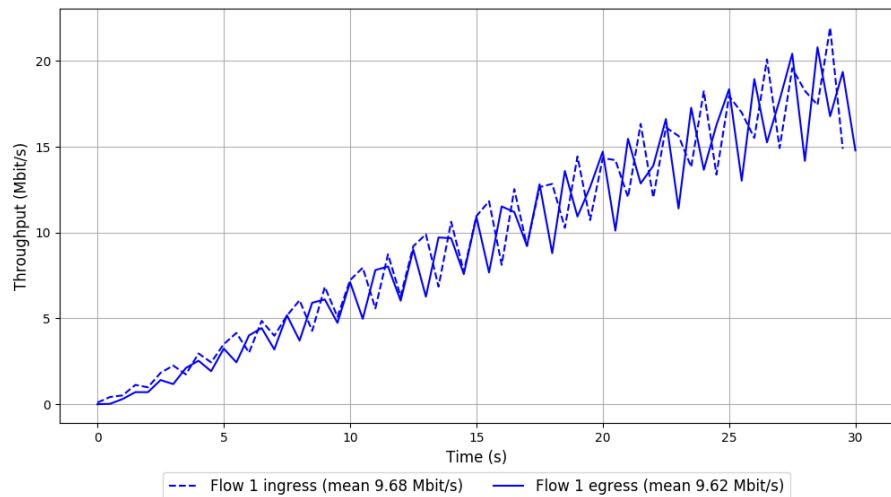


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-22 10:38:03
End at: 2018-05-22 10:38:33
Local clock offset: -0.794 ms
Remote clock offset: -36.529 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 131.543 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 131.543 ms
Loss rate: 1.29%
```

Run 2: Report of LEDBAT — Data Link

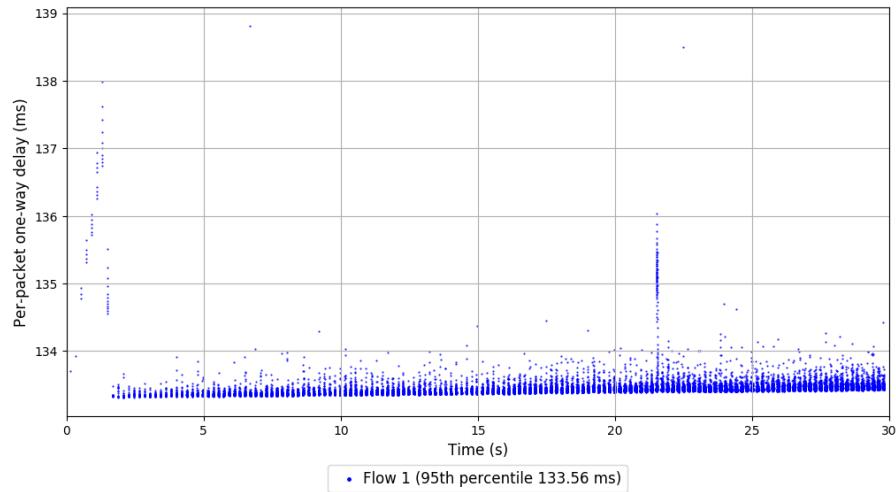
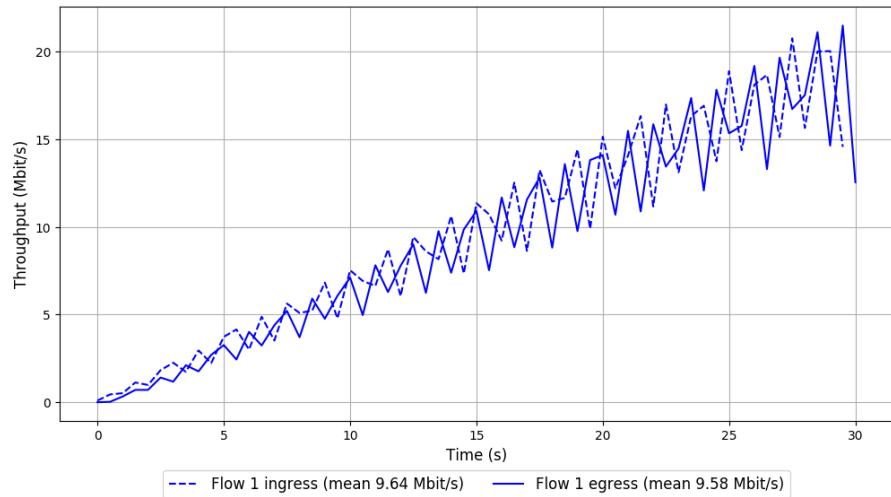


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-22 10:58:33
End at: 2018-05-22 10:59:03
Local clock offset: 2.624 ms
Remote clock offset: -34.836 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 133.558 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 133.558 ms
Loss rate: 1.29%
```

Run 3: Report of LEDBAT — Data Link

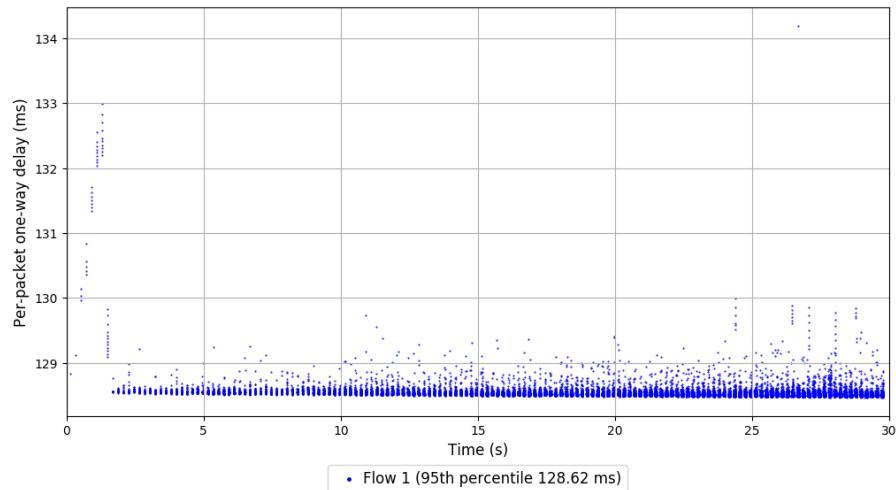
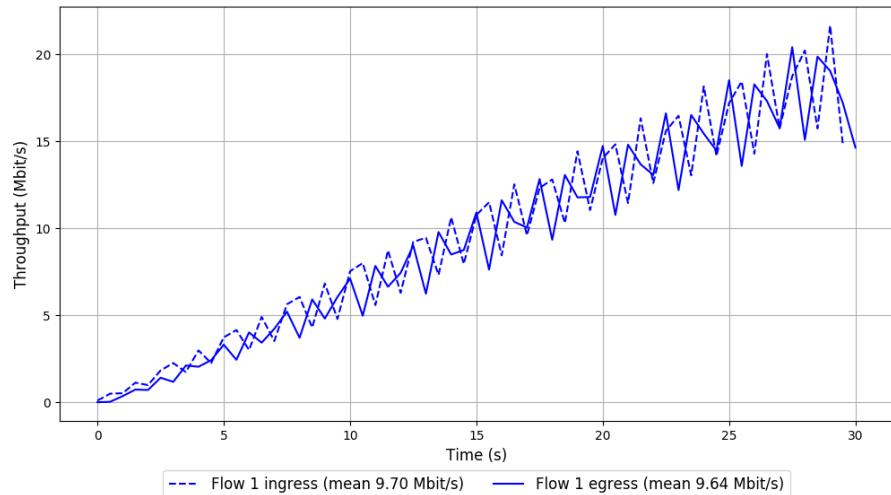


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-22 11:28:51
End at: 2018-05-22 11:29:21
Local clock offset: -1.371 ms
Remote clock offset: -31.878 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 128.623 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 128.623 ms
Loss rate: 1.29%
```

## Run 4: Report of LEDBAT — Data Link

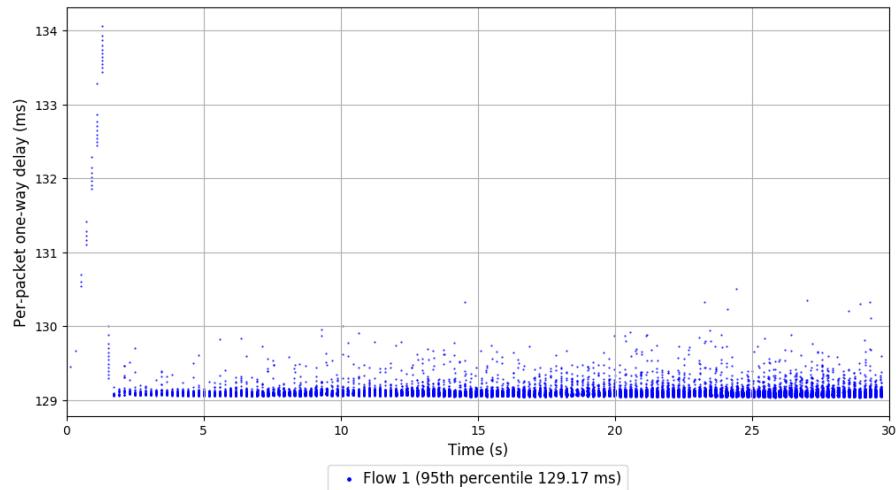
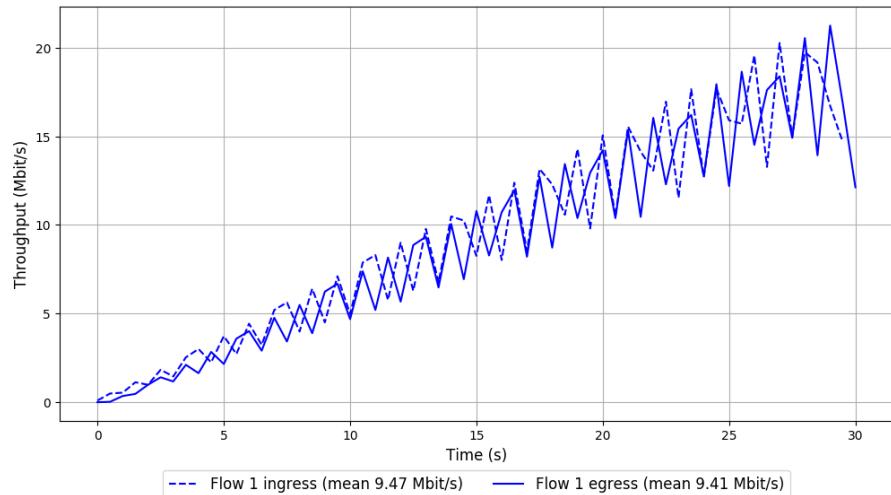


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-22 11:59:15
End at: 2018-05-22 11:59:45
Local clock offset: -0.634 ms
Remote clock offset: -32.651 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 129.172 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 129.172 ms
Loss rate: 1.30%
```

Run 5: Report of LEDBAT — Data Link

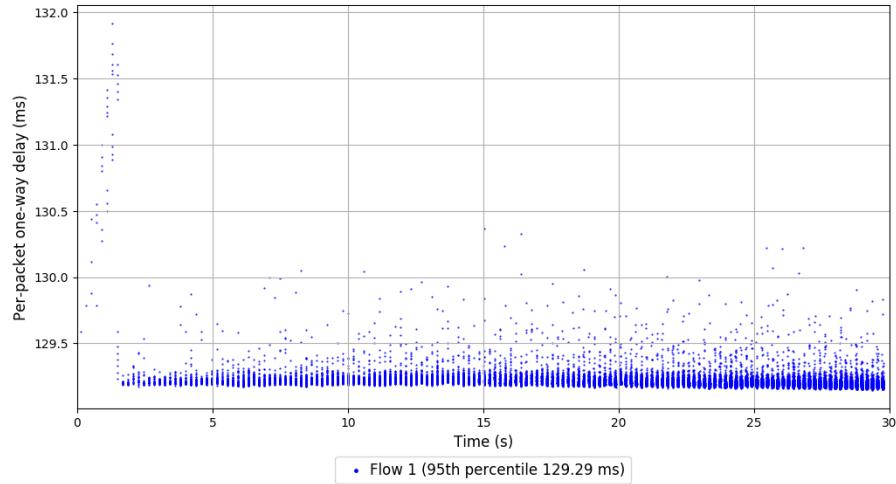
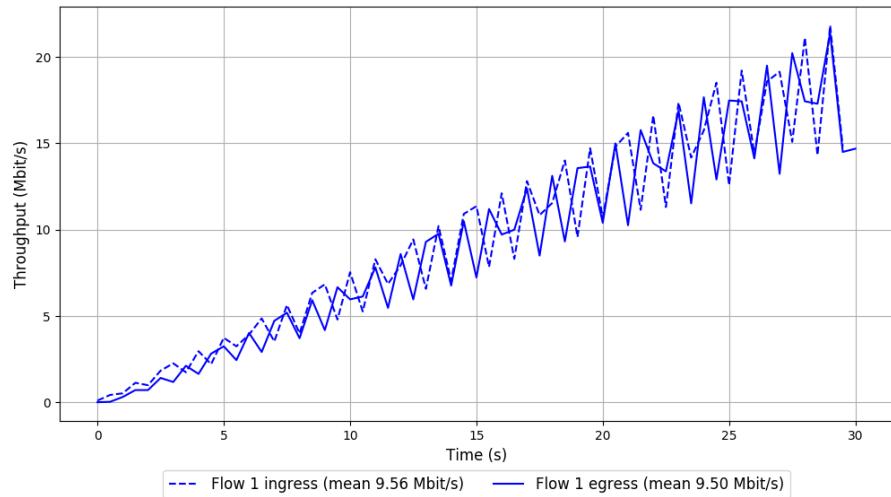


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-22 12:25:45
End at: 2018-05-22 12:26:15
Local clock offset: 0.555 ms
Remote clock offset: -30.155 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 129.286 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 129.286 ms
Loss rate: 1.30%
```

Run 6: Report of LEDBAT — Data Link

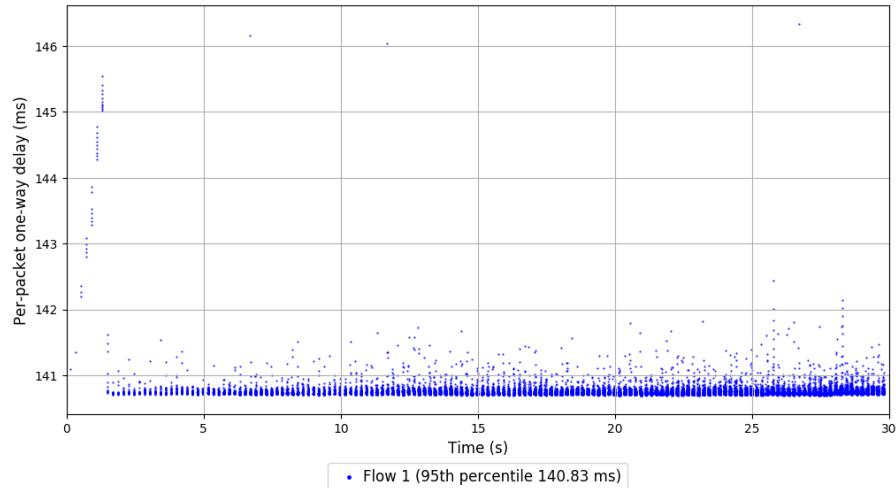
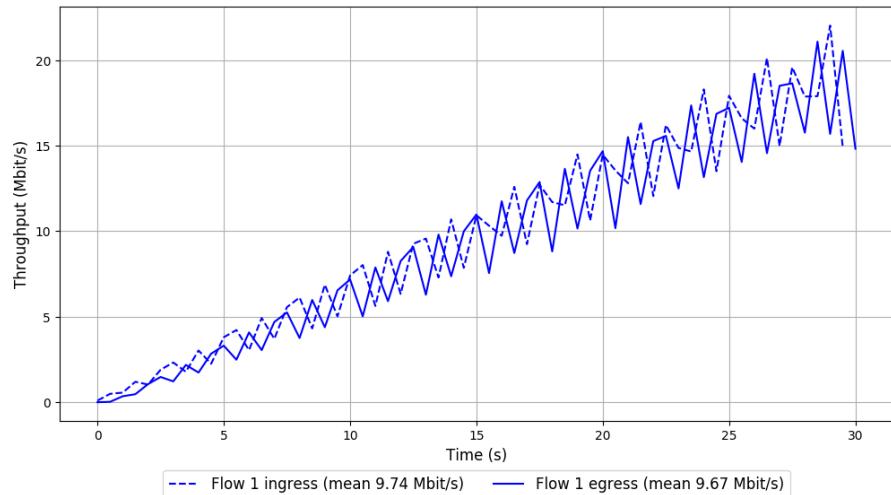


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-22 12:56:08
End at: 2018-05-22 12:56:38
Local clock offset: 3.24 ms
Remote clock offset: -41.558 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 140.829 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 140.829 ms
Loss rate: 1.29%
```

Run 7: Report of LEDBAT — Data Link

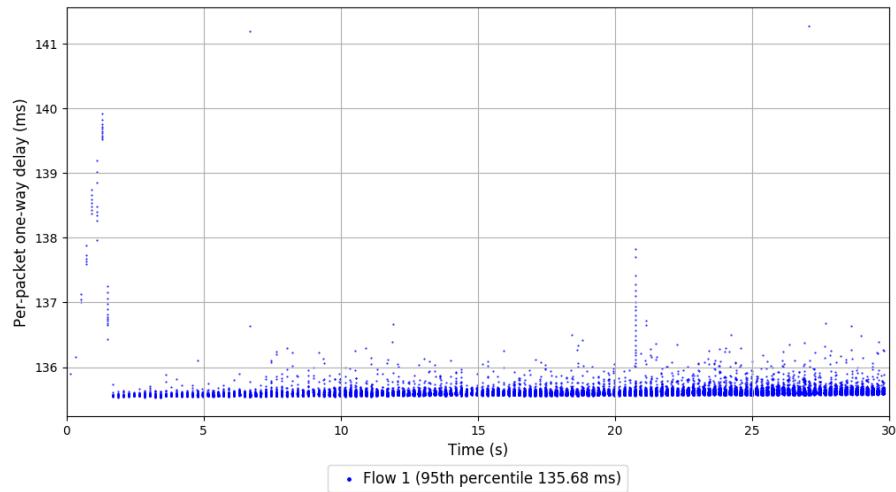
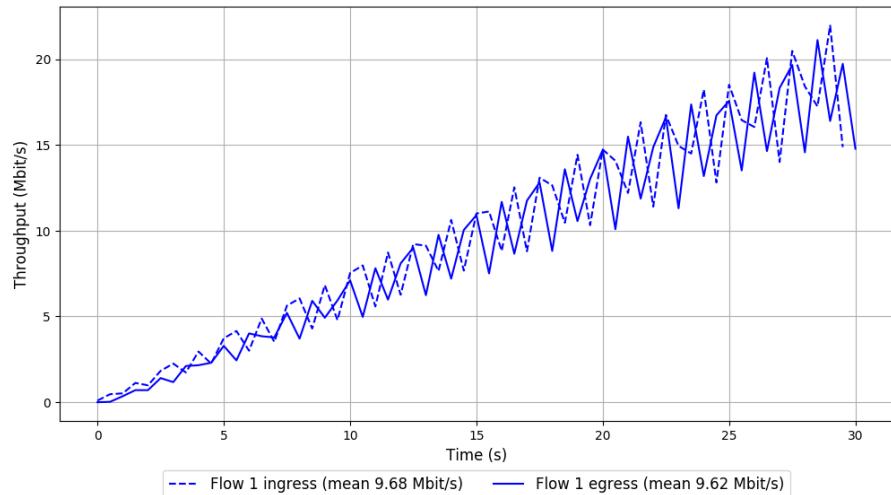


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-22 13:33:40
End at: 2018-05-22 13:34:10
Local clock offset: -0.679 ms
Remote clock offset: -39.049 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 135.682 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 135.682 ms
Loss rate: 1.29%
```

Run 8: Report of LEDBAT — Data Link

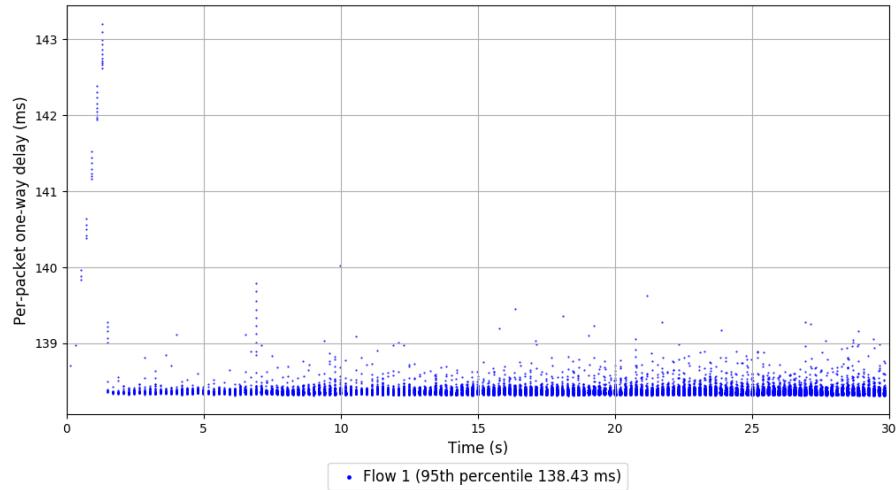
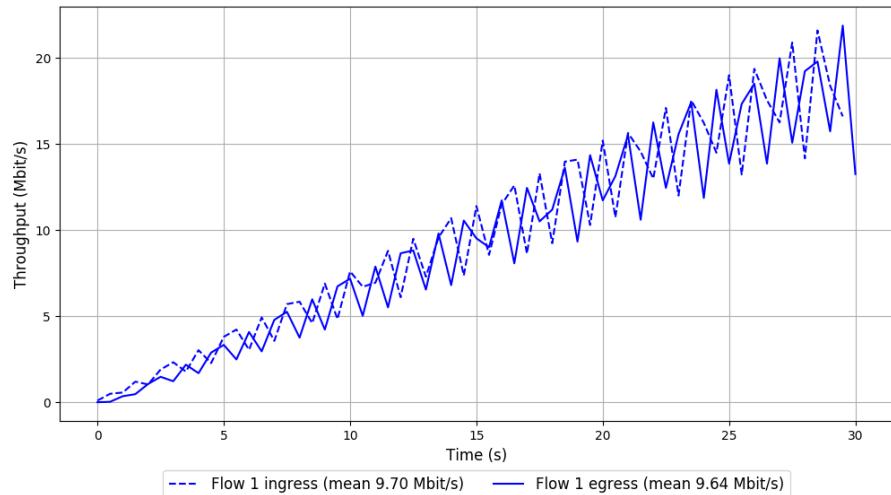


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-22 14:05:27
End at: 2018-05-22 14:05:57
Local clock offset: 1.503 ms
Remote clock offset: -38.93 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 138.429 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 138.429 ms
Loss rate: 1.23%
```

Run 9: Report of LEDBAT — Data Link

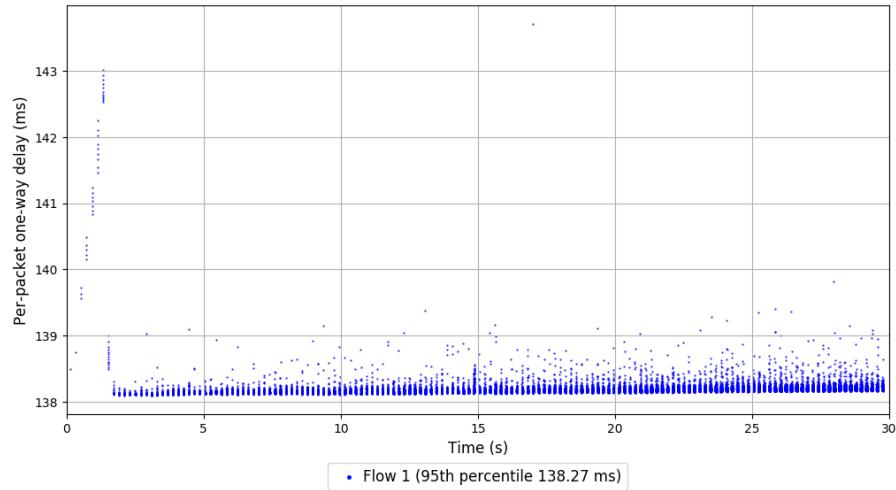
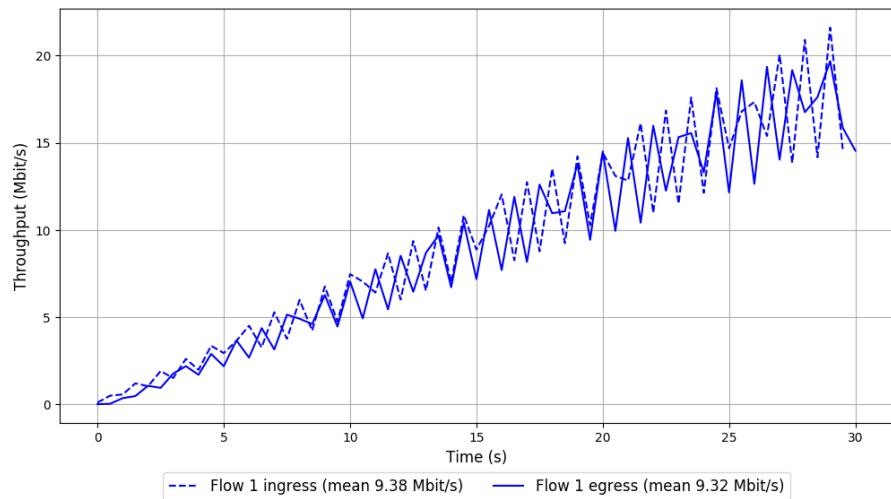


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-22 14:26:04
End at: 2018-05-22 14:26:34
Local clock offset: 2.112 ms
Remote clock offset: -36.663 ms

# Below is generated by plot.py at 2018-05-22 14:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 138.266 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 138.266 ms
Loss rate: 1.31%
```

Run 10: Report of LEDBAT — Data Link

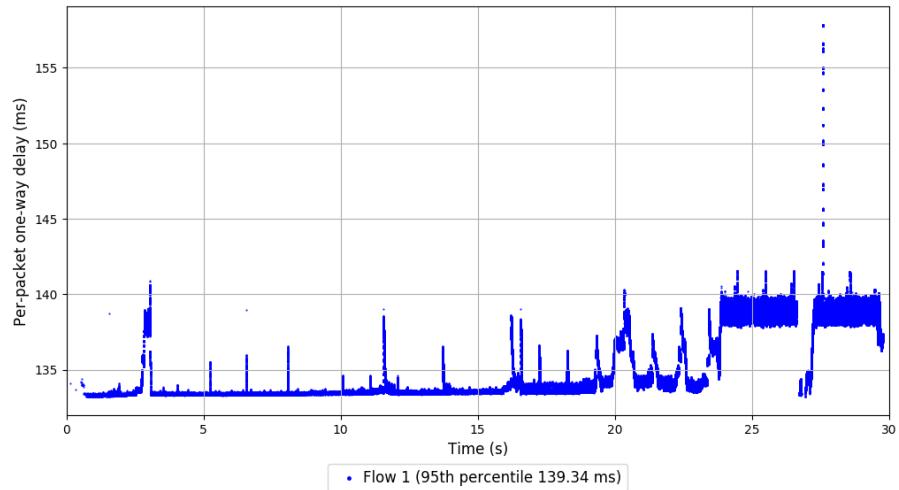
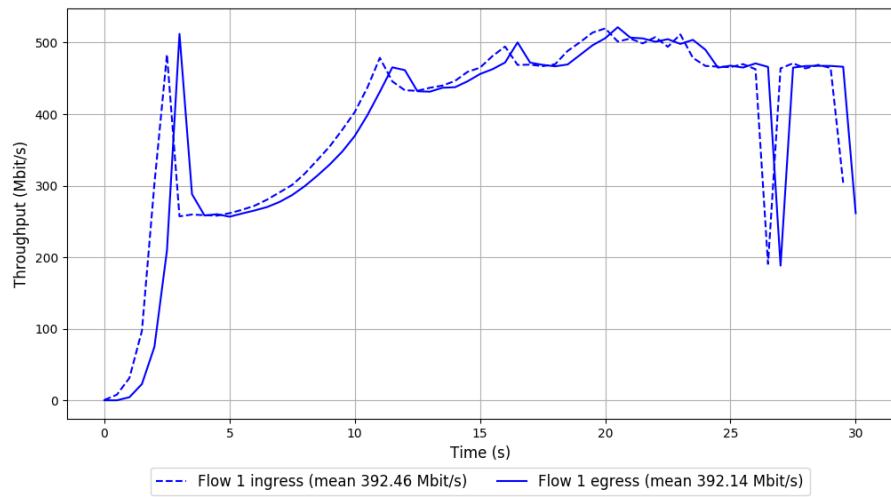


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-22 09:58:26
End at: 2018-05-22 09:58:56
Local clock offset: 0.313 ms
Remote clock offset: -35.92 ms

# Below is generated by plot.py at 2018-05-22 14:49:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 392.14 Mbit/s
95th percentile per-packet one-way delay: 139.337 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 392.14 Mbit/s
95th percentile per-packet one-way delay: 139.337 ms
Loss rate: 0.73%
```

Run 1: Report of PCC-Allegro — Data Link

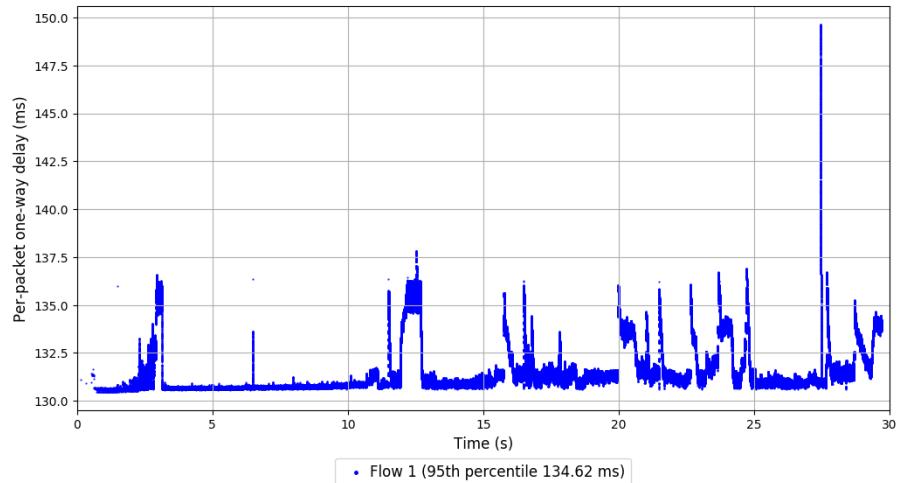
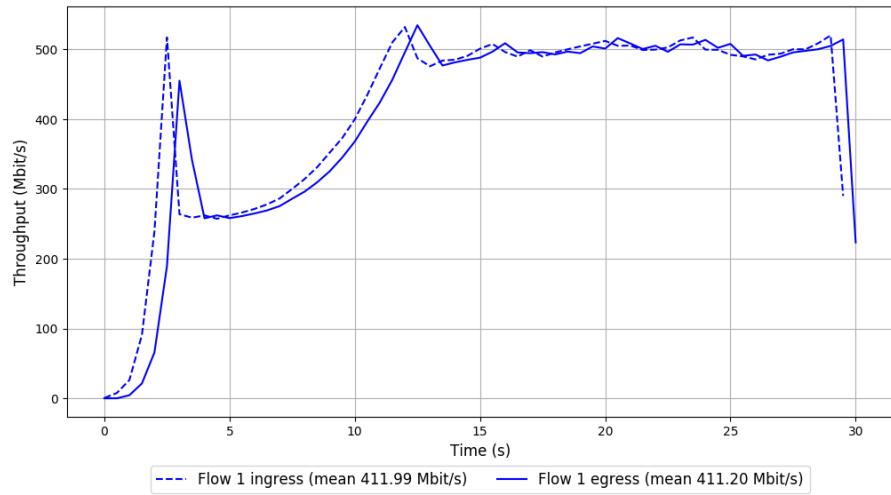


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-22 10:19:01
End at: 2018-05-22 10:19:31
Local clock offset: 0.481 ms
Remote clock offset: -33.549 ms

# Below is generated by plot.py at 2018-05-22 14:49:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 411.20 Mbit/s
95th percentile per-packet one-way delay: 134.621 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 411.20 Mbit/s
95th percentile per-packet one-way delay: 134.621 ms
Loss rate: 0.85%
```

Run 2: Report of PCC-Allegro — Data Link

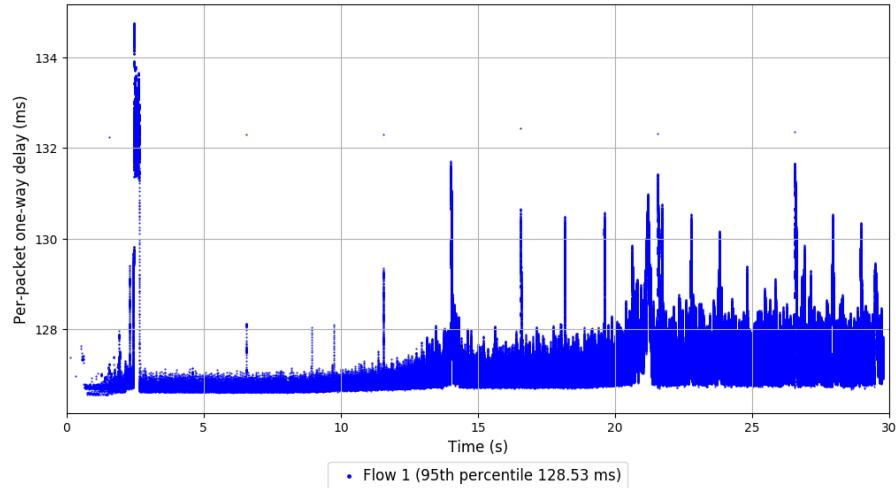
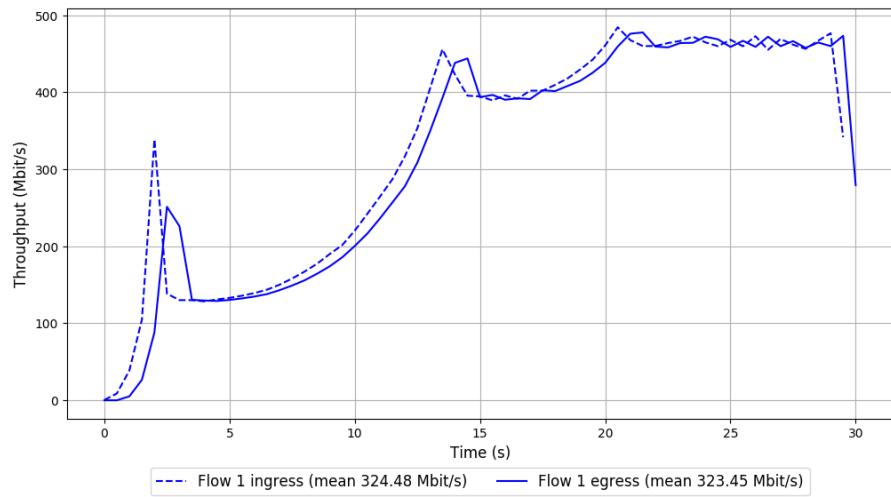


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-22 10:45:17
End at: 2018-05-22 10:45:47
Local clock offset: 1.121 ms
Remote clock offset: -28.697 ms

# Below is generated by plot.py at 2018-05-22 14:49:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.45 Mbit/s
95th percentile per-packet one-way delay: 128.533 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 323.45 Mbit/s
95th percentile per-packet one-way delay: 128.533 ms
Loss rate: 0.96%
```

Run 3: Report of PCC-Allegro — Data Link

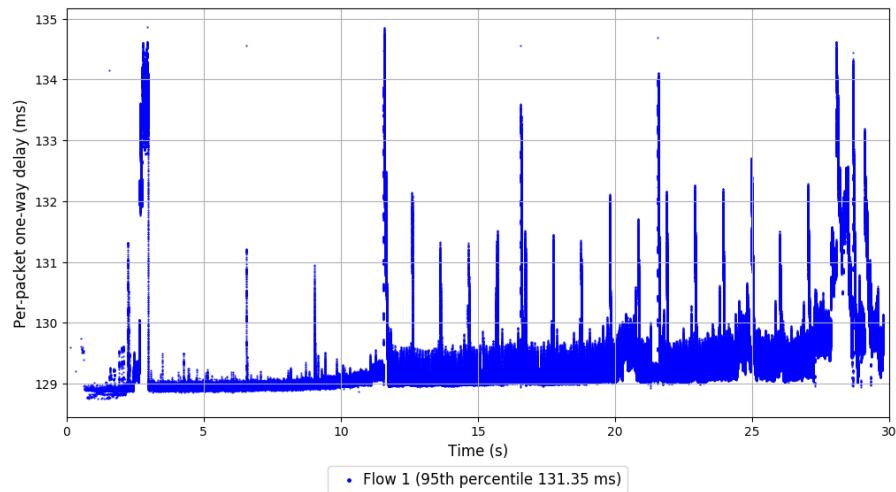
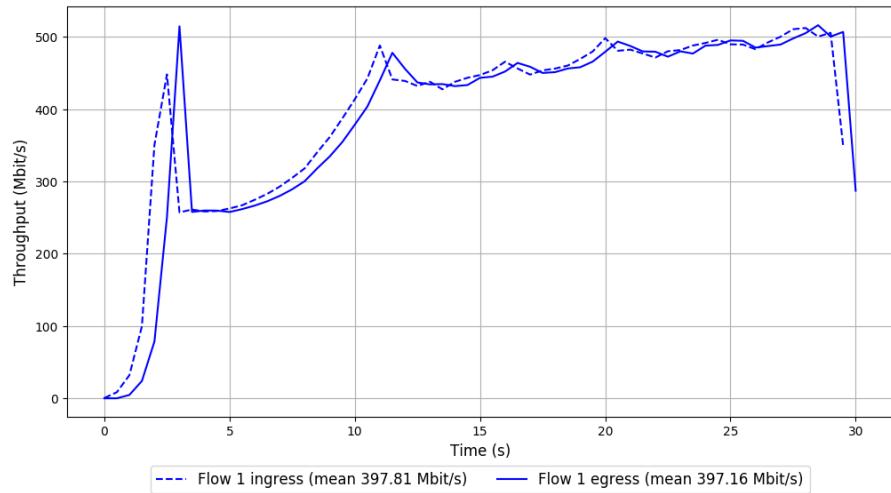


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-22 11:15:30
End at: 2018-05-22 11:16:00
Local clock offset: -1.569 ms
Remote clock offset: -31.216 ms

# Below is generated by plot.py at 2018-05-22 14:49:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 397.16 Mbit/s
95th percentile per-packet one-way delay: 131.346 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 397.16 Mbit/s
95th percentile per-packet one-way delay: 131.346 ms
Loss rate: 0.81%
```

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

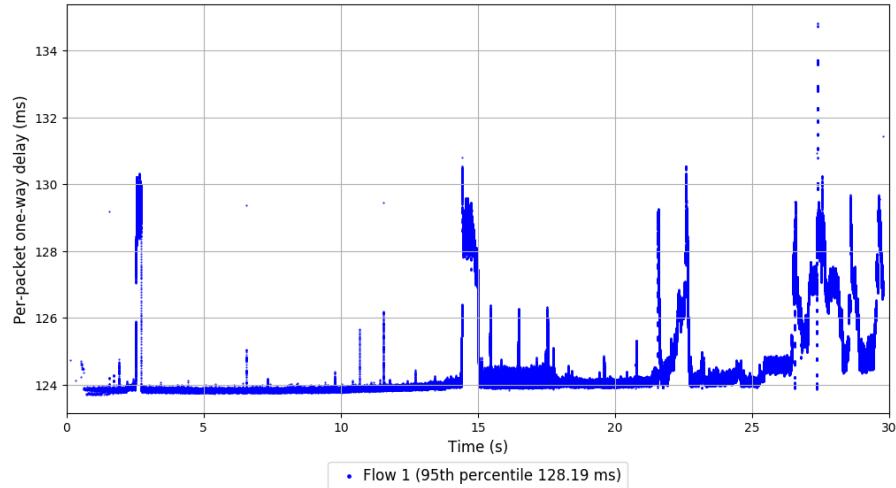
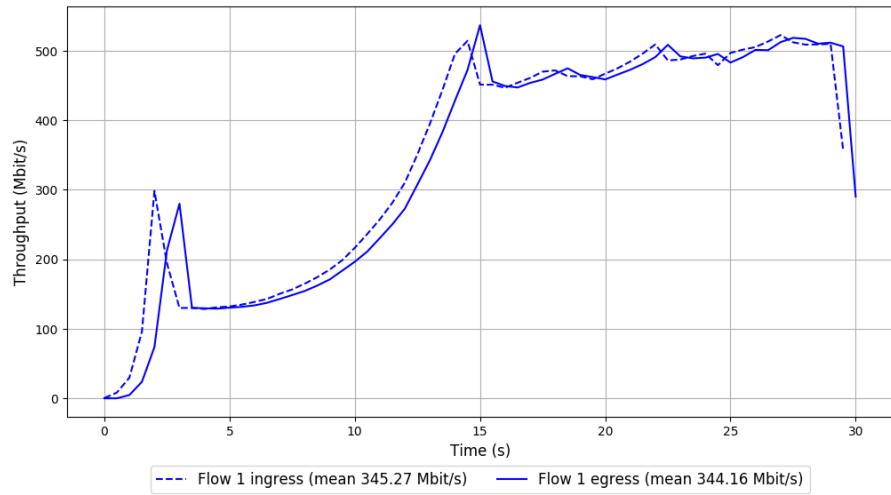


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-22 11:36:06
End at: 2018-05-22 11:36:36
Local clock offset: -1.251 ms
Remote clock offset: -26.194 ms

# Below is generated by plot.py at 2018-05-22 14:49:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.16 Mbit/s
95th percentile per-packet one-way delay: 128.193 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 344.16 Mbit/s
95th percentile per-packet one-way delay: 128.193 ms
Loss rate: 0.95%
```

Run 5: Report of PCC-Allegro — Data Link

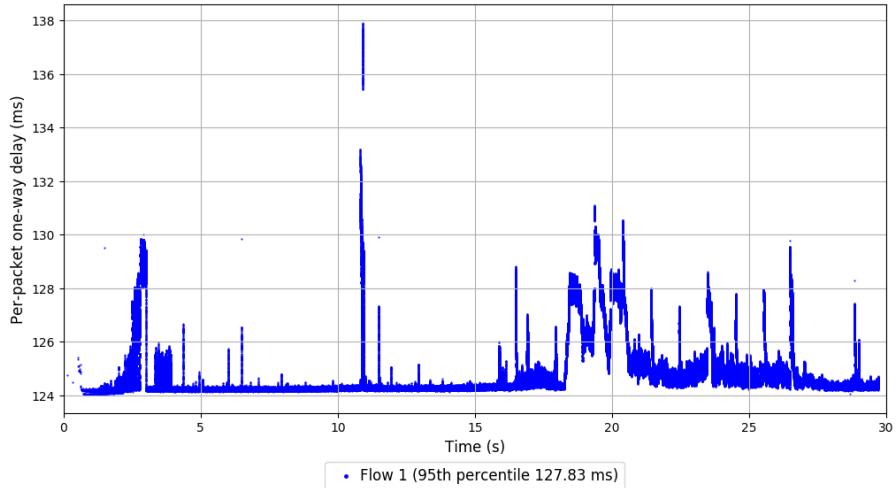
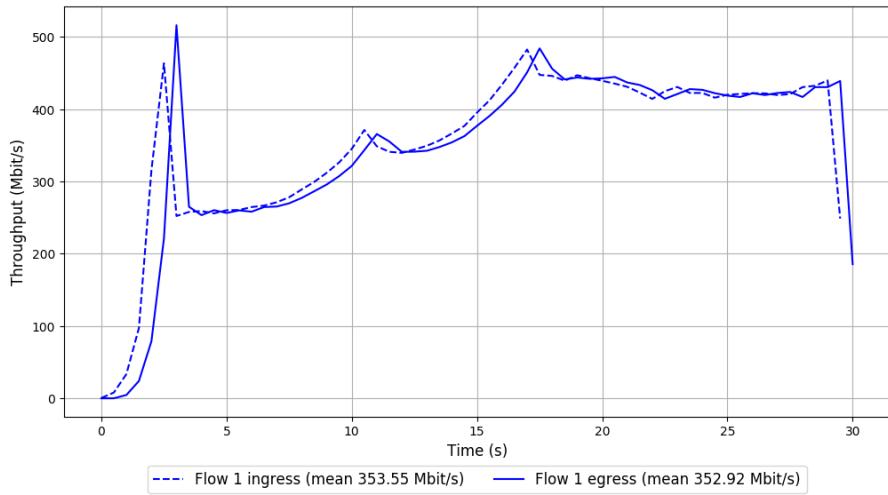


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-22 12:06:40
End at: 2018-05-22 12:07:10
Local clock offset: 0.176 ms
Remote clock offset: -27.189 ms

# Below is generated by plot.py at 2018-05-22 14:49:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 352.92 Mbit/s
95th percentile per-packet one-way delay: 127.834 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 352.92 Mbit/s
95th percentile per-packet one-way delay: 127.834 ms
Loss rate: 0.82%
```

Run 6: Report of PCC-Allegro — Data Link

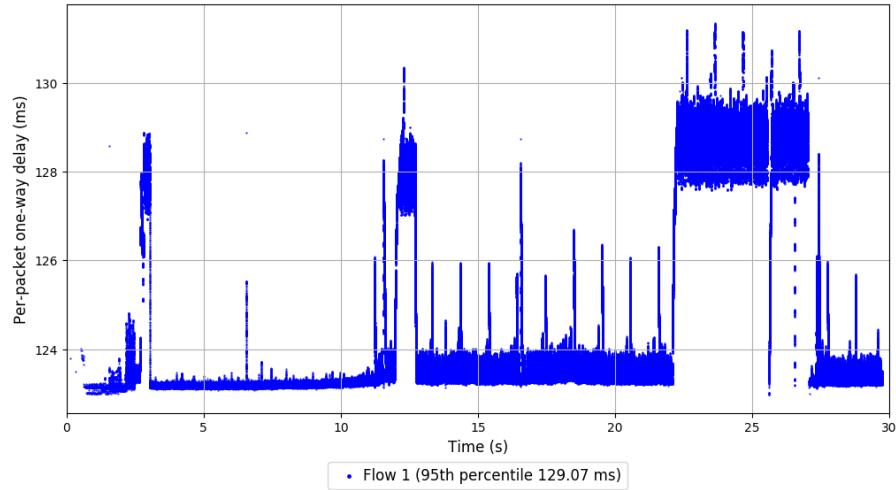
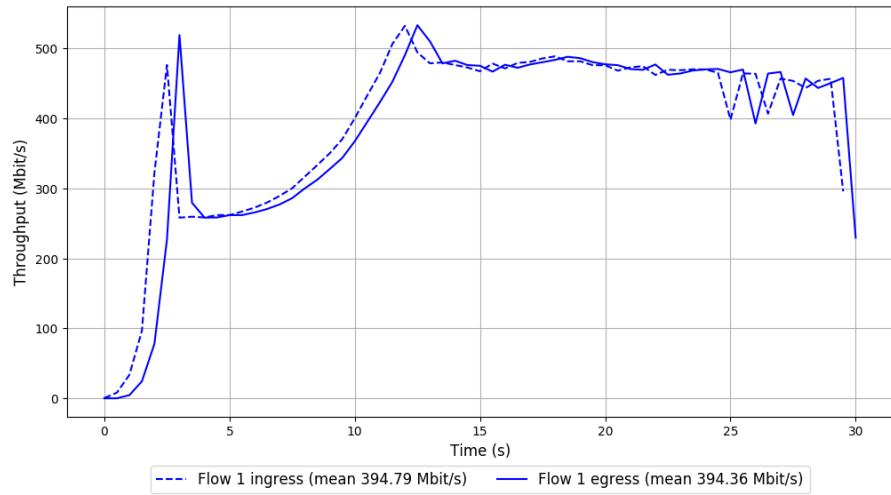


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-22 12:33:00
End at: 2018-05-22 12:33:30
Local clock offset: 0.822 ms
Remote clock offset: -24.565 ms

# Below is generated by plot.py at 2018-05-22 14:50:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 394.36 Mbit/s
95th percentile per-packet one-way delay: 129.070 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 394.36 Mbit/s
95th percentile per-packet one-way delay: 129.070 ms
Loss rate: 0.76%
```

Run 7: Report of PCC-Allegro — Data Link

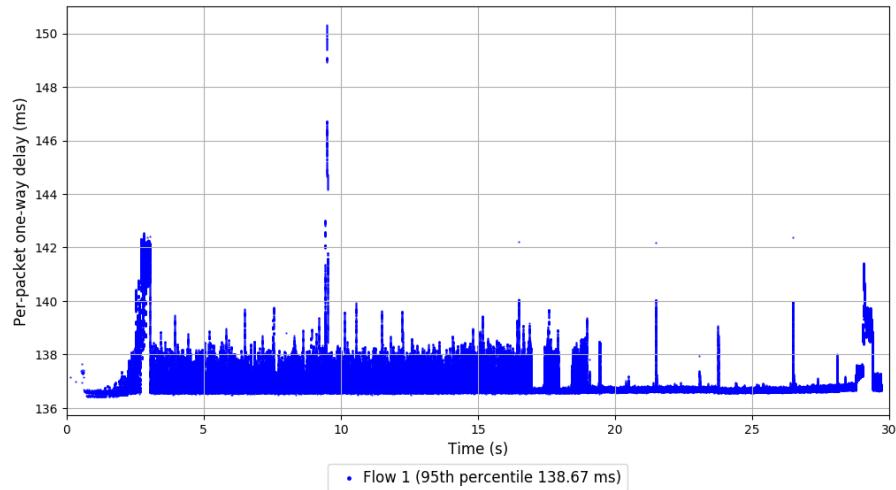
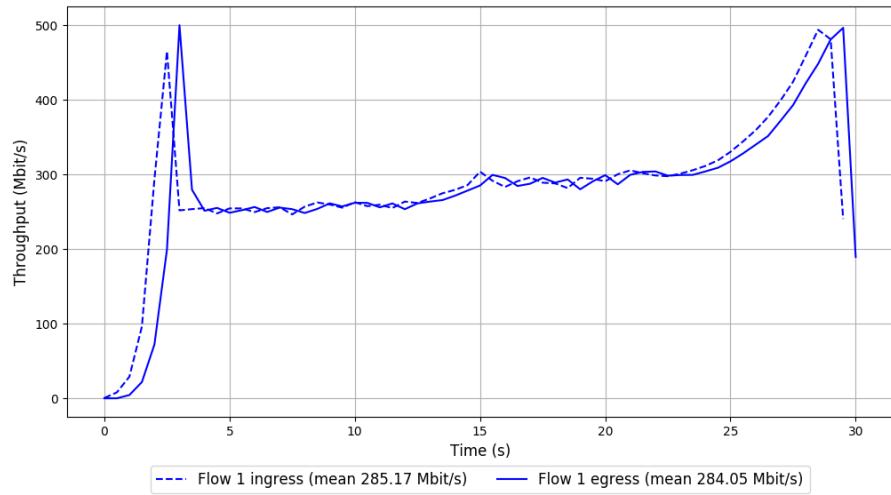


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-22 13:14:39
End at: 2018-05-22 13:15:09
Local clock offset: 3.723 ms
Remote clock offset: -36.893 ms

# Below is generated by plot.py at 2018-05-22 14:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.05 Mbit/s
95th percentile per-packet one-way delay: 138.672 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 284.05 Mbit/s
95th percentile per-packet one-way delay: 138.672 ms
Loss rate: 1.03%
```

Run 8: Report of PCC-Allegro — Data Link

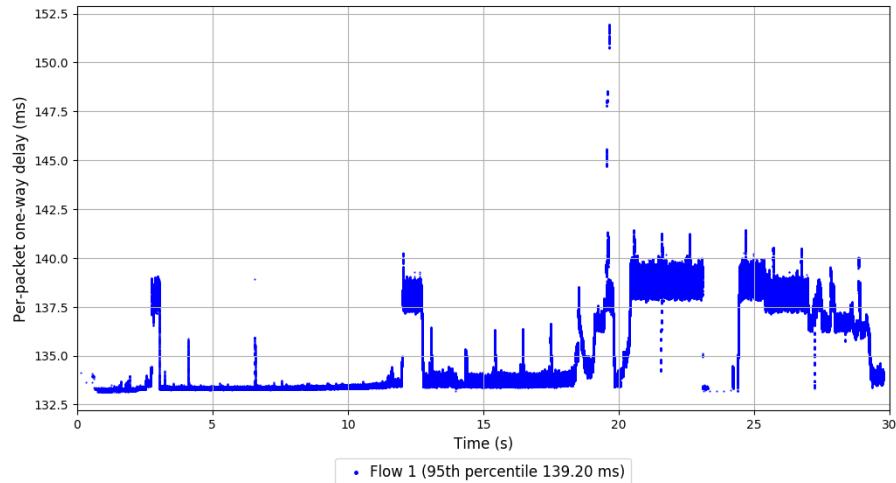
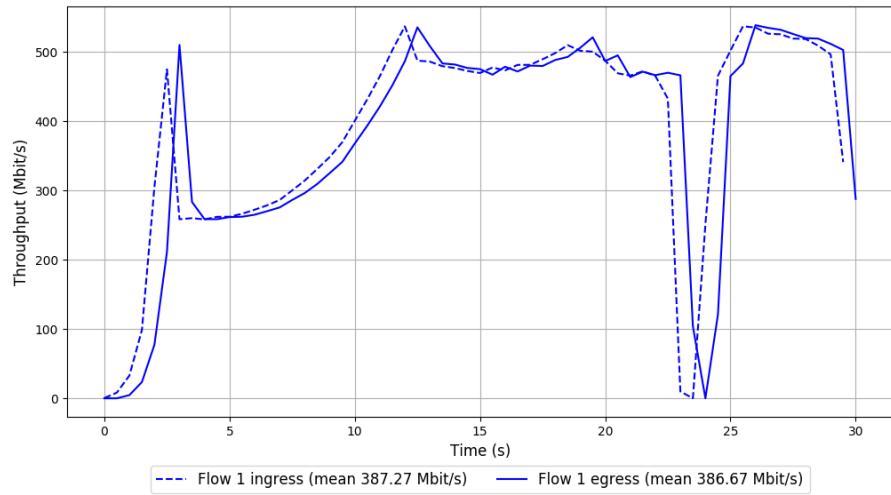


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-22 13:46:27
End at: 2018-05-22 13:46:57
Local clock offset: 0.759 ms
Remote clock offset: -33.192 ms

# Below is generated by plot.py at 2018-05-22 14:53:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 386.67 Mbit/s
95th percentile per-packet one-way delay: 139.196 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 386.67 Mbit/s
95th percentile per-packet one-way delay: 139.196 ms
Loss rate: 0.80%
```

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

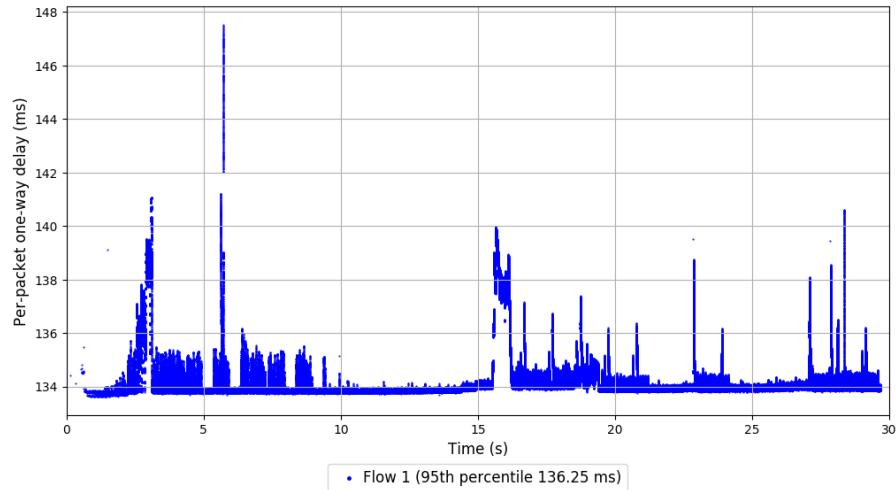
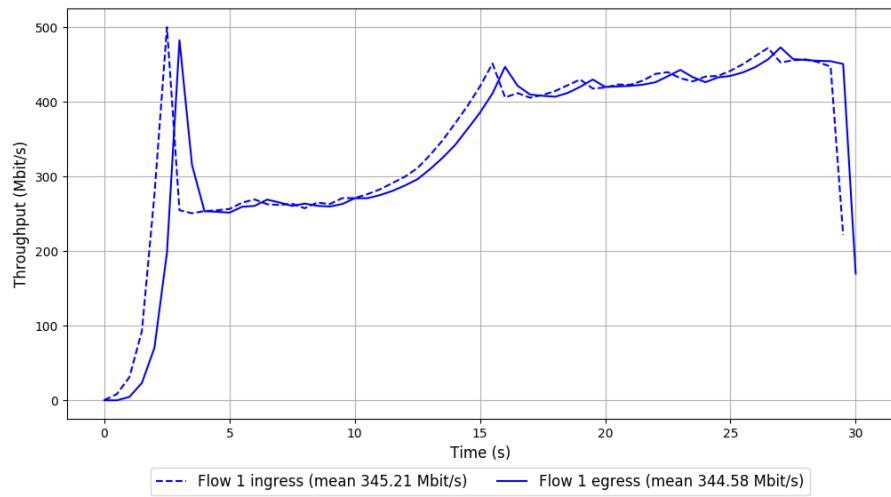


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-22 14:12:40
End at: 2018-05-22 14:13:10
Local clock offset: 1.387 ms
Remote clock offset: -33.109 ms

# Below is generated by plot.py at 2018-05-22 14:53:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.58 Mbit/s
95th percentile per-packet one-way delay: 136.252 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 344.58 Mbit/s
95th percentile per-packet one-way delay: 136.252 ms
Loss rate: 0.83%
```

Run 10: Report of PCC-Allegro — Data Link

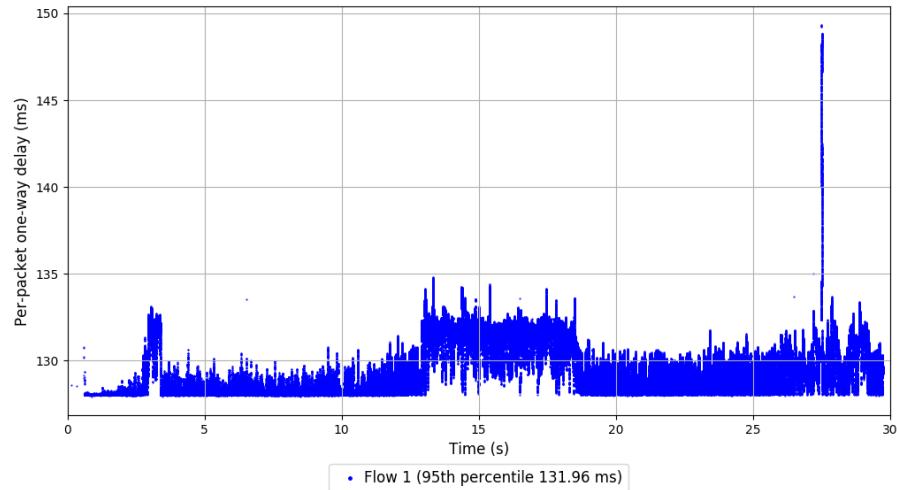
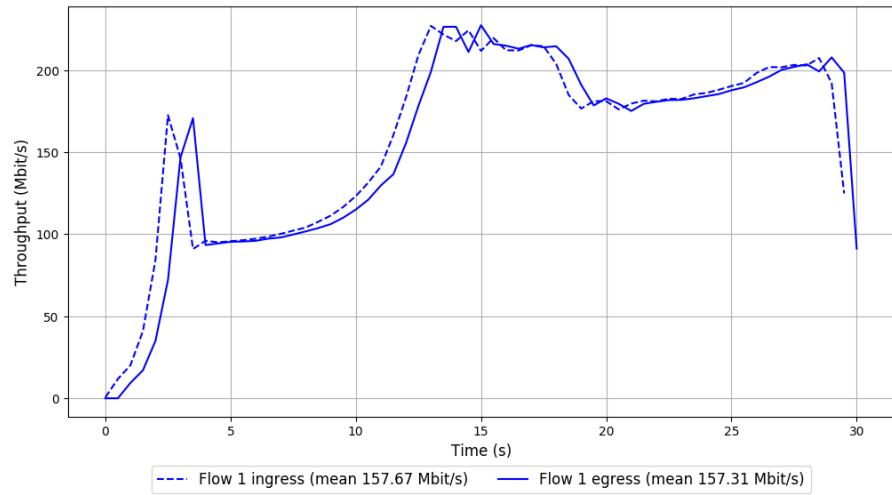


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-22 10:10:22
End at: 2018-05-22 10:10:52
Local clock offset: 0.038 ms
Remote clock offset: -31.039 ms

# Below is generated by plot.py at 2018-05-22 14:53:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.31 Mbit/s
95th percentile per-packet one-way delay: 131.964 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 157.31 Mbit/s
95th percentile per-packet one-way delay: 131.964 ms
Loss rate: 0.88%
```

Run 1: Report of PCC-Expr — Data Link

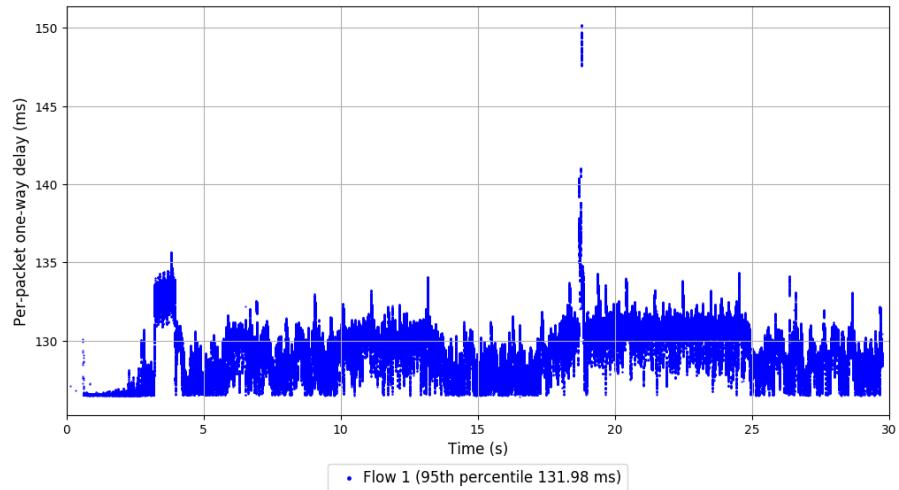
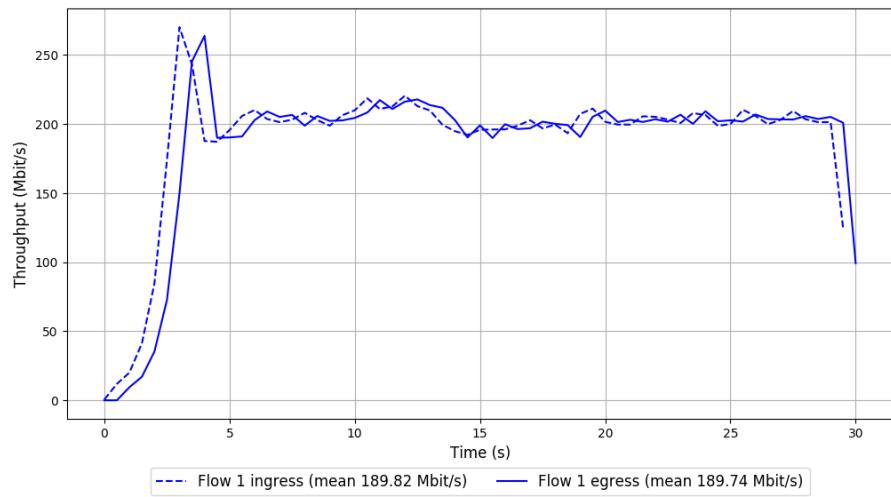


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-22 10:36:36
End at: 2018-05-22 10:37:06
Local clock offset: 0.57 ms
Remote clock offset: -30.194 ms

# Below is generated by plot.py at 2018-05-22 14:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.74 Mbit/s
95th percentile per-packet one-way delay: 131.983 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 189.74 Mbit/s
95th percentile per-packet one-way delay: 131.983 ms
Loss rate: 0.69%
```

Run 2: Report of PCC-Expr — Data Link

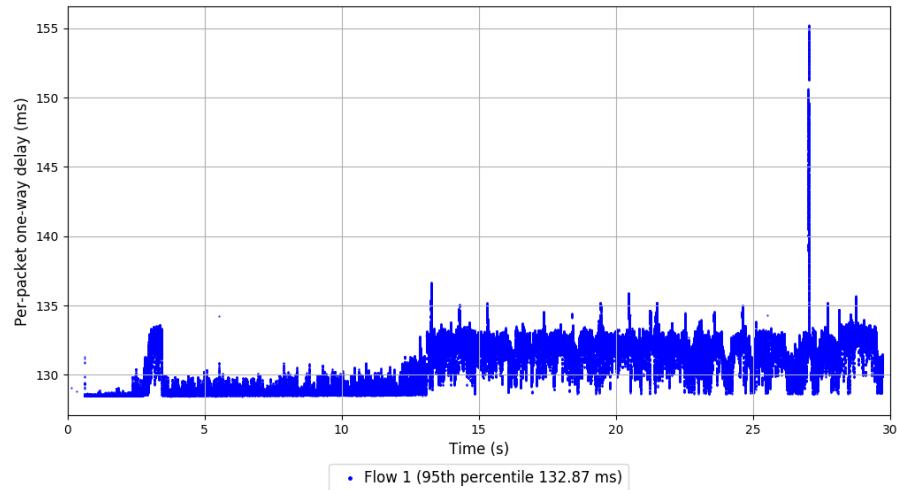
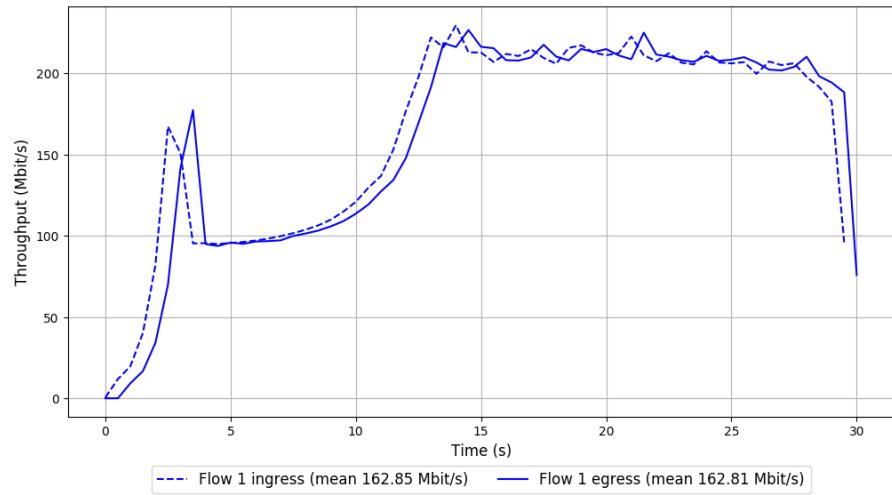


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-22 10:57:08
End at: 2018-05-22 10:57:38
Local clock offset: 2.669 ms
Remote clock offset: -30.487 ms

# Below is generated by plot.py at 2018-05-22 14:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.81 Mbit/s
95th percentile per-packet one-way delay: 132.867 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 162.81 Mbit/s
95th percentile per-packet one-way delay: 132.867 ms
Loss rate: 0.67%
```

Run 3: Report of PCC-Expr — Data Link

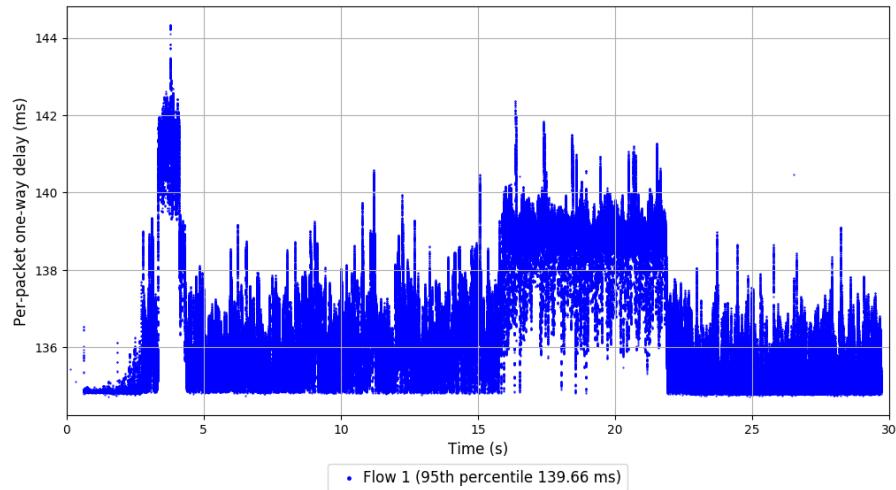
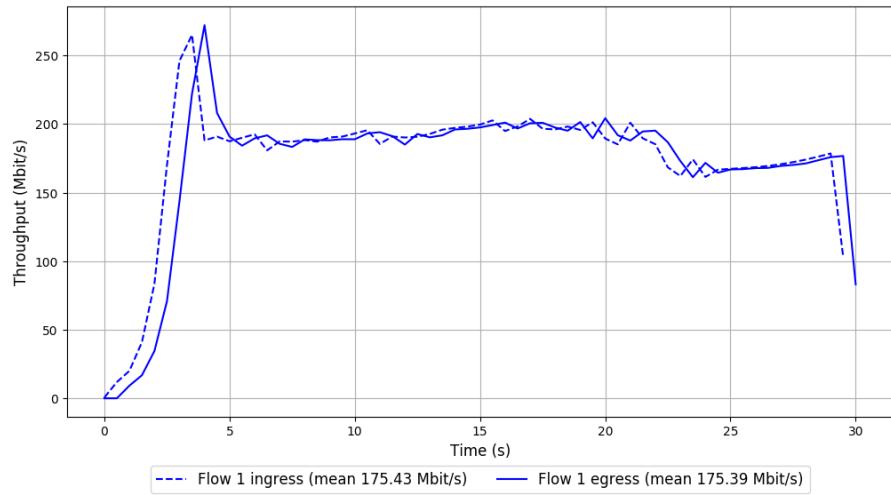


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-22 11:27:26
End at: 2018-05-22 11:27:56
Local clock offset: -1.356 ms
Remote clock offset: -36.553 ms

# Below is generated by plot.py at 2018-05-22 14:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.39 Mbit/s
95th percentile per-packet one-way delay: 139.656 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 175.39 Mbit/s
95th percentile per-packet one-way delay: 139.656 ms
Loss rate: 0.67%
```

Run 4: Report of PCC-Expr — Data Link

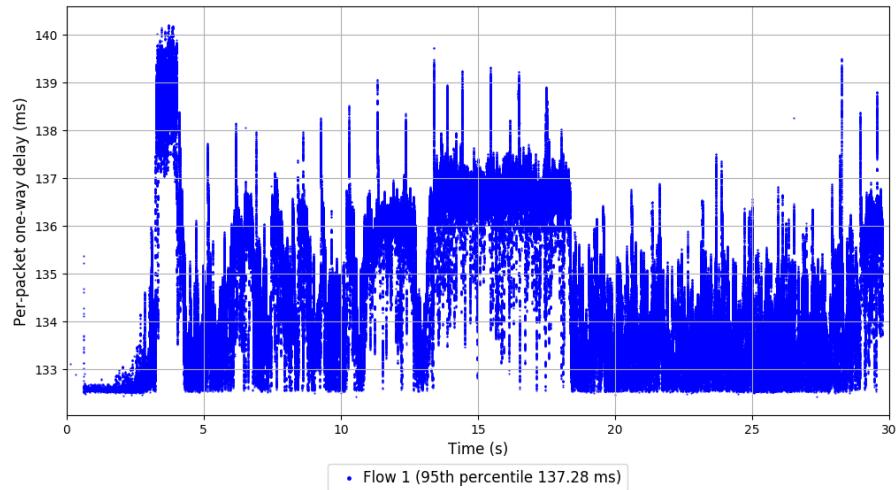
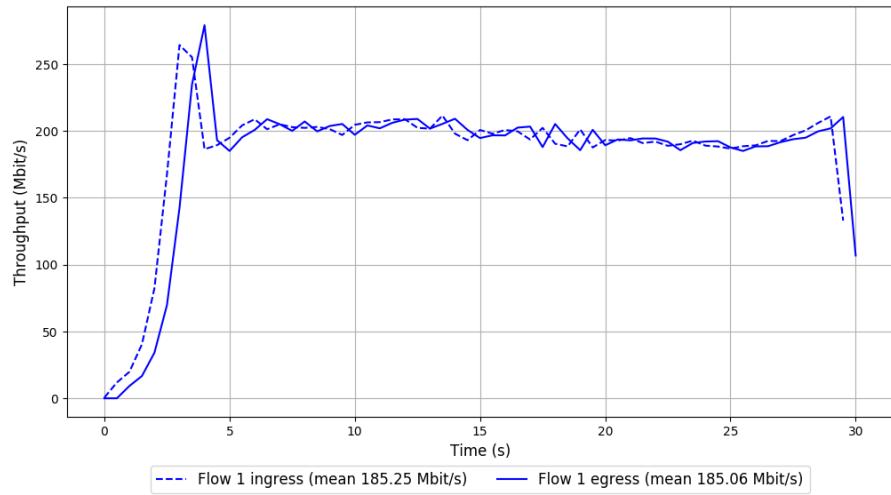


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-22 11:57:39
End at: 2018-05-22 11:58:09
Local clock offset: 0.697 ms
Remote clock offset: -34.771 ms

# Below is generated by plot.py at 2018-05-22 14:54:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.06 Mbit/s
95th percentile per-packet one-way delay: 137.284 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 185.06 Mbit/s
95th percentile per-packet one-way delay: 137.284 ms
Loss rate: 0.76%
```

Run 5: Report of PCC-Expr — Data Link

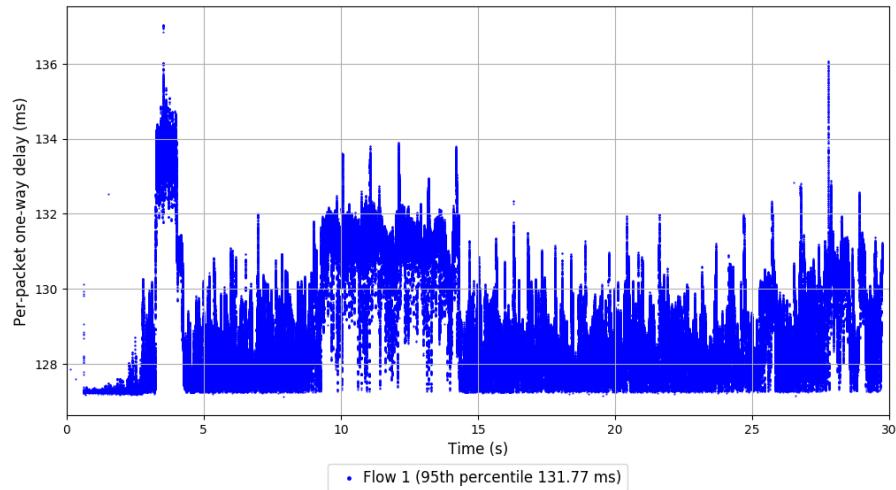
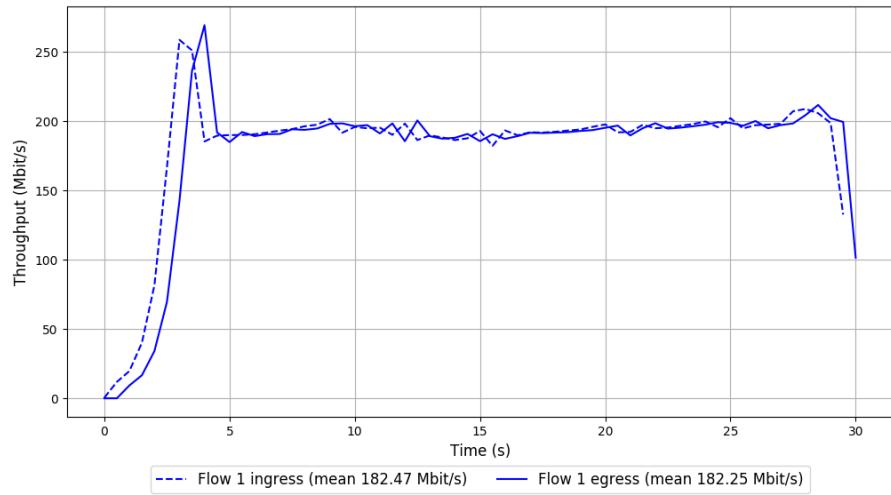


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-22 12:24:19
End at: 2018-05-22 12:24:49
Local clock offset: 1.918 ms
Remote clock offset: -28.419 ms

# Below is generated by plot.py at 2018-05-22 14:56:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.25 Mbit/s
95th percentile per-packet one-way delay: 131.769 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 182.25 Mbit/s
95th percentile per-packet one-way delay: 131.769 ms
Loss rate: 0.78%
```

Run 6: Report of PCC-Expr — Data Link

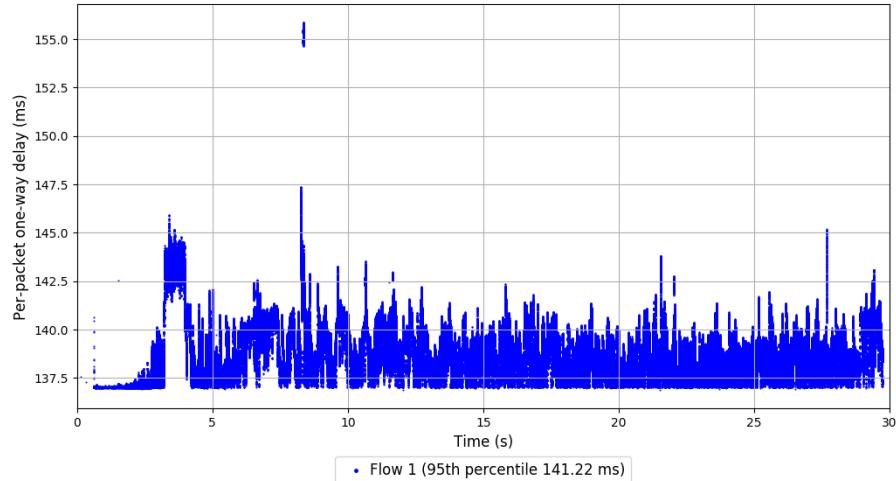
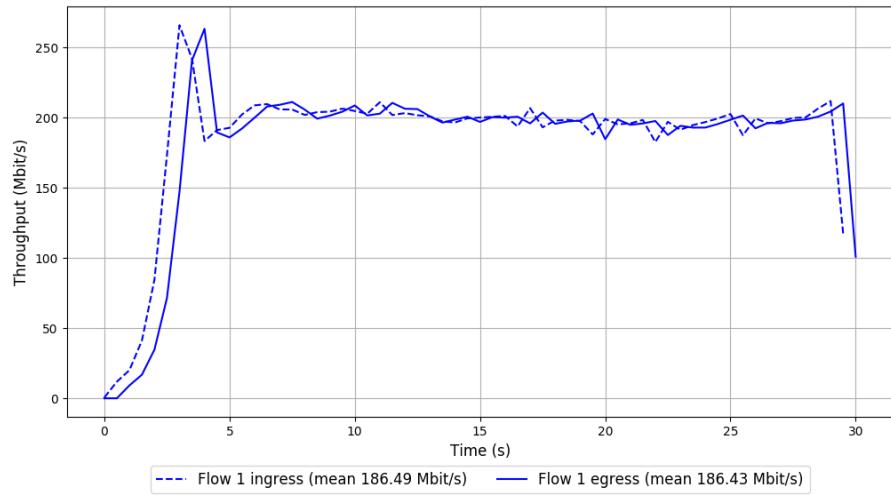


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-22 12:54:41
End at: 2018-05-22 12:55:11
Local clock offset: 1.281 ms
Remote clock offset: -39.929 ms

# Below is generated by plot.py at 2018-05-22 14:57:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.43 Mbit/s
95th percentile per-packet one-way delay: 141.217 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 186.43 Mbit/s
95th percentile per-packet one-way delay: 141.217 ms
Loss rate: 0.68%
```

Run 7: Report of PCC-Expr — Data Link

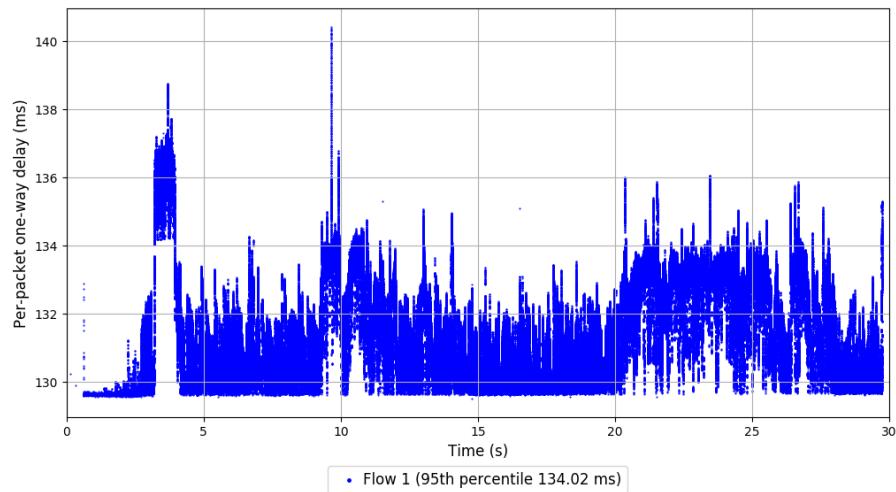
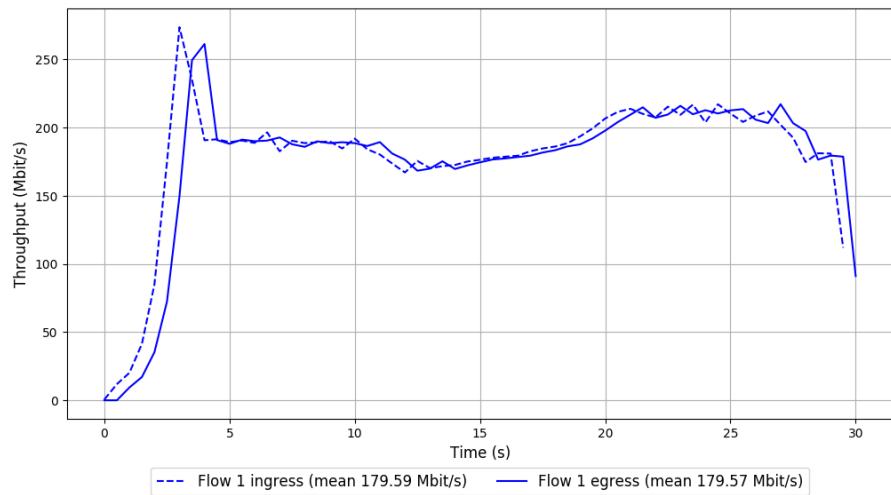


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-22 13:32:14
End at: 2018-05-22 13:32:44
Local clock offset: 1.49 ms
Remote clock offset: -31.219 ms

# Below is generated by plot.py at 2018-05-22 14:57:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.57 Mbit/s
95th percentile per-packet one-way delay: 134.019 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 179.57 Mbit/s
95th percentile per-packet one-way delay: 134.019 ms
Loss rate: 0.65%
```

Run 8: Report of PCC-Expr — Data Link

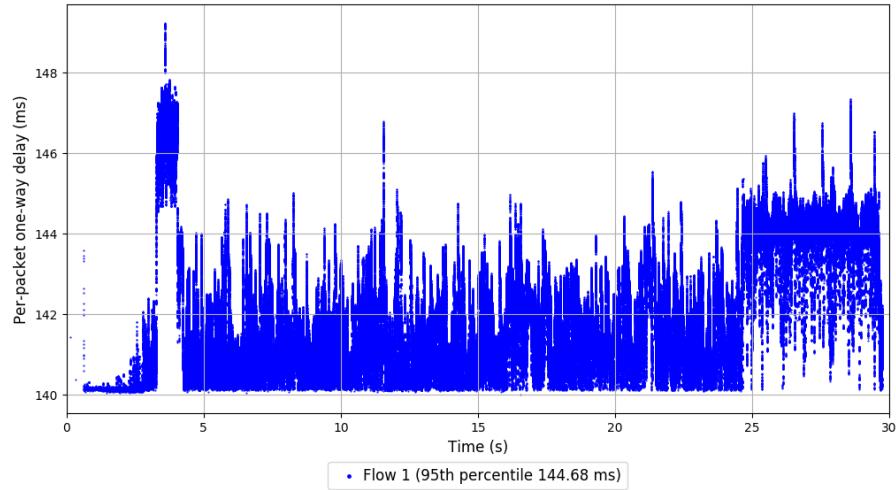
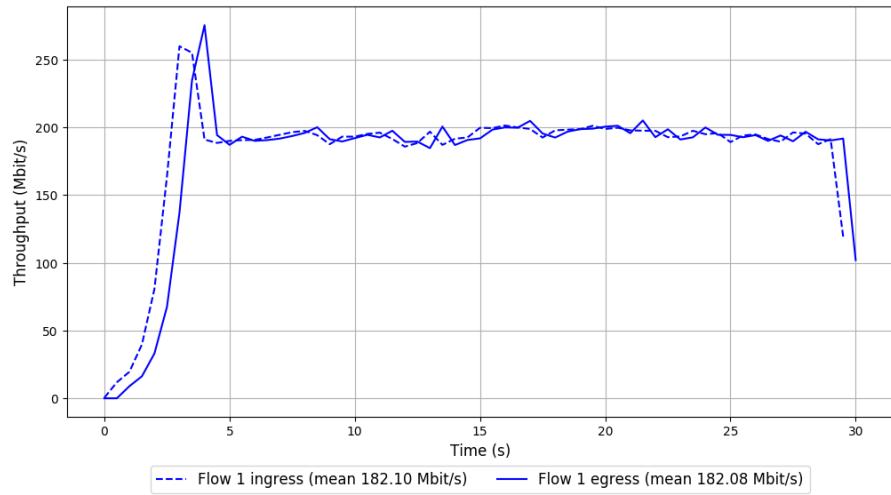


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-22 14:04:00
End at: 2018-05-22 14:04:30
Local clock offset: 0.184 ms
Remote clock offset: -40.552 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.08 Mbit/s
95th percentile per-packet one-way delay: 144.675 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 182.08 Mbit/s
95th percentile per-packet one-way delay: 144.675 ms
Loss rate: 0.67%
```

Run 9: Report of PCC-Expr — Data Link

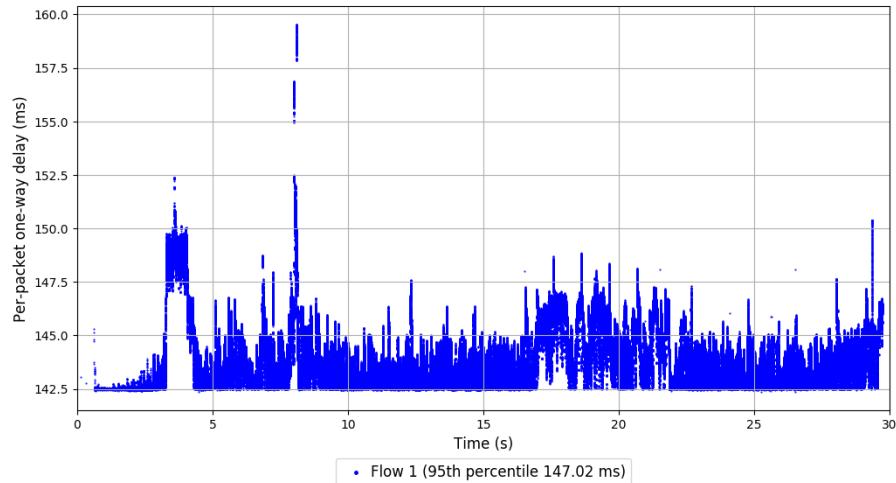
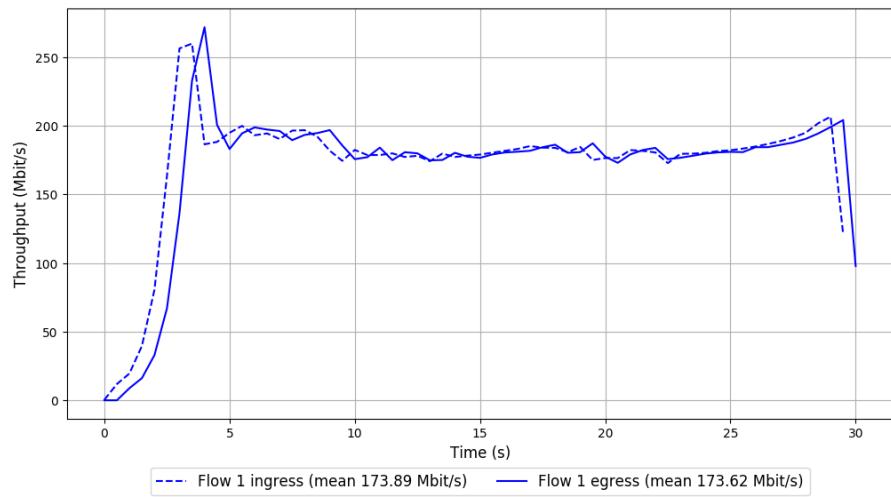


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-22 14:24:37
End at: 2018-05-22 14:25:07
Local clock offset: 1.999 ms
Remote clock offset: -41.17 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 173.62 Mbit/s
95th percentile per-packet one-way delay: 147.020 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 173.62 Mbit/s
95th percentile per-packet one-way delay: 147.020 ms
Loss rate: 0.82%
```

Run 10: Report of PCC-Expr — Data Link

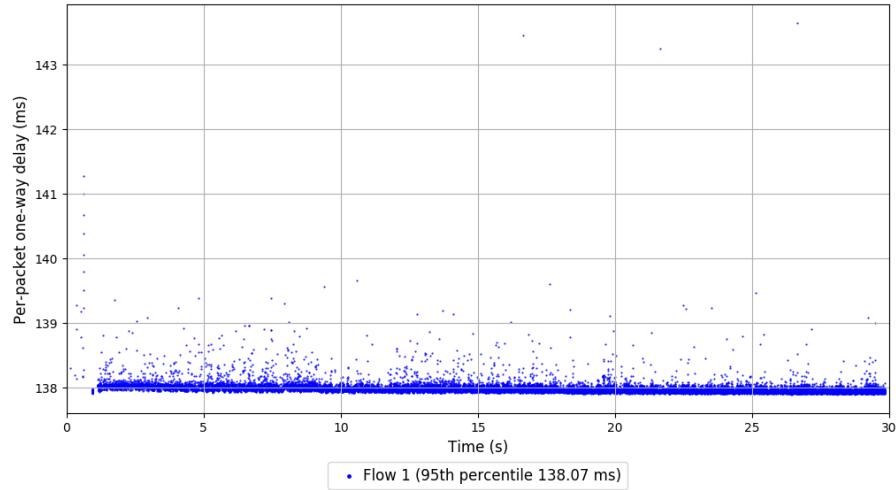
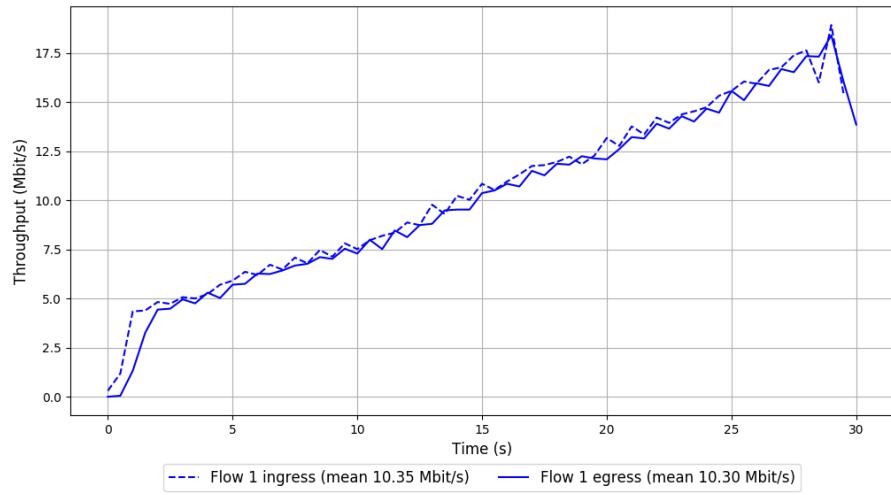


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 10:00:59
End at: 2018-05-22 10:01:29
Local clock offset: 0.557 ms
Remote clock offset: -38.835 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 138.066 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 138.066 ms
Loss rate: 1.17%
```

Run 1: Report of QUIC Cubic — Data Link

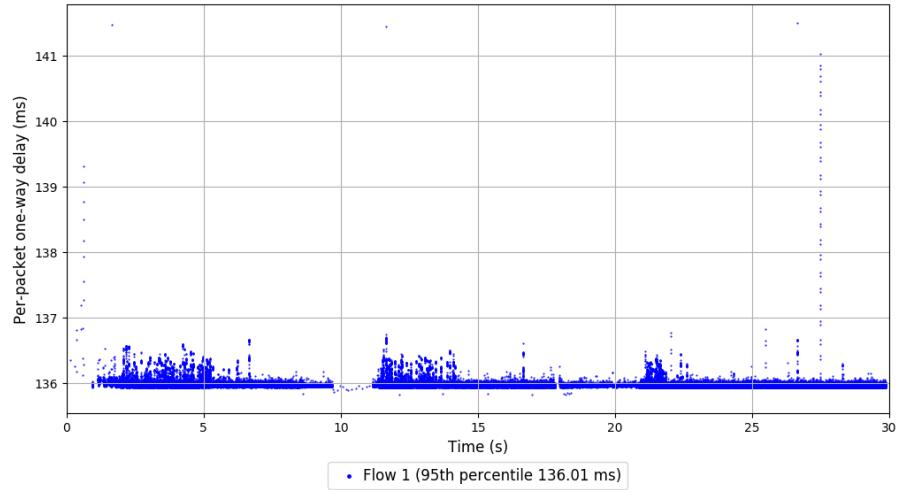
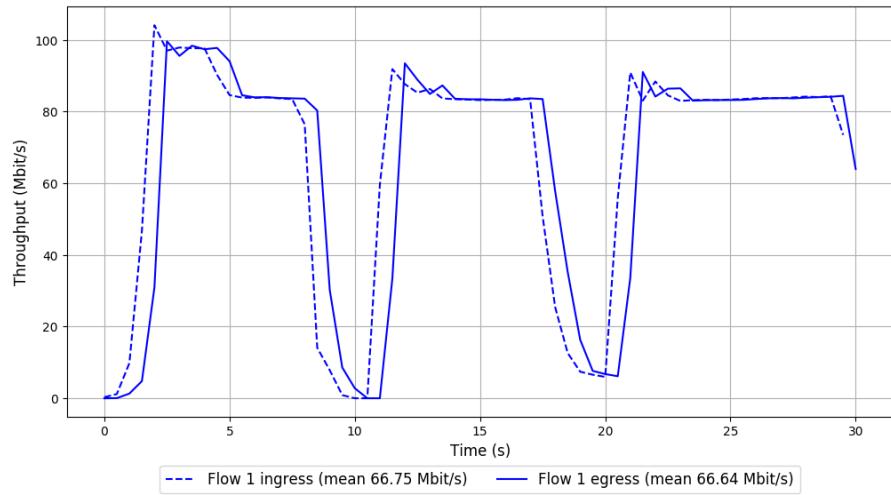


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-22 10:21:35
End at: 2018-05-22 10:22:05
Local clock offset: -0.089 ms
Remote clock offset: -38.07 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 136.010 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 136.010 ms
Loss rate: 0.81%
```

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

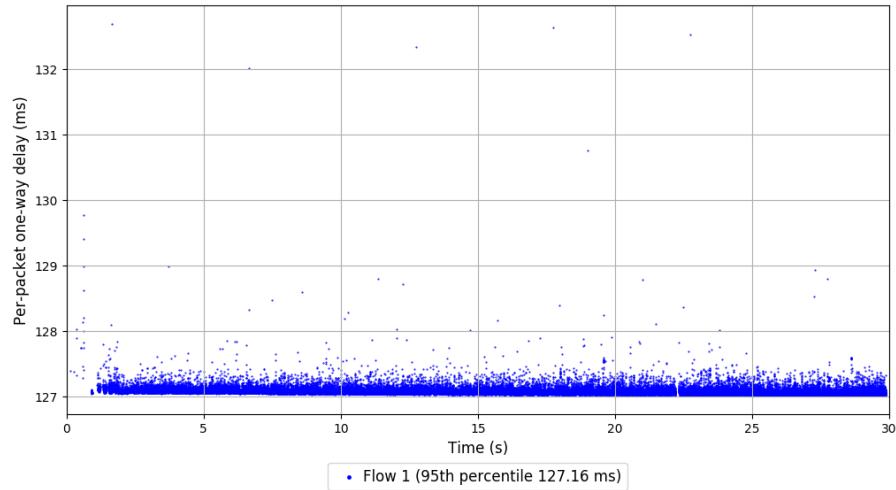
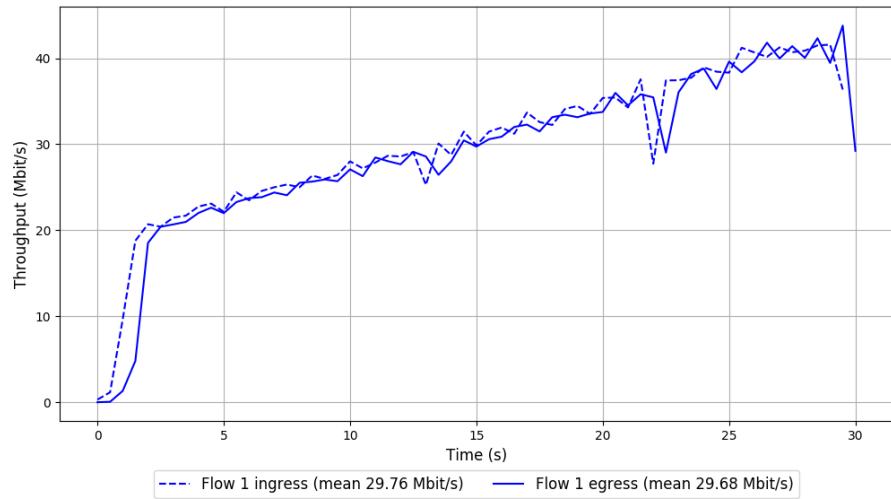


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-22 10:47:47
End at: 2018-05-22 10:48:17
Local clock offset: 1.89 ms
Remote clock offset: -29.942 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 127.156 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 127.156 ms
Loss rate: 0.91%
```

Run 3: Report of QUIC Cubic — Data Link

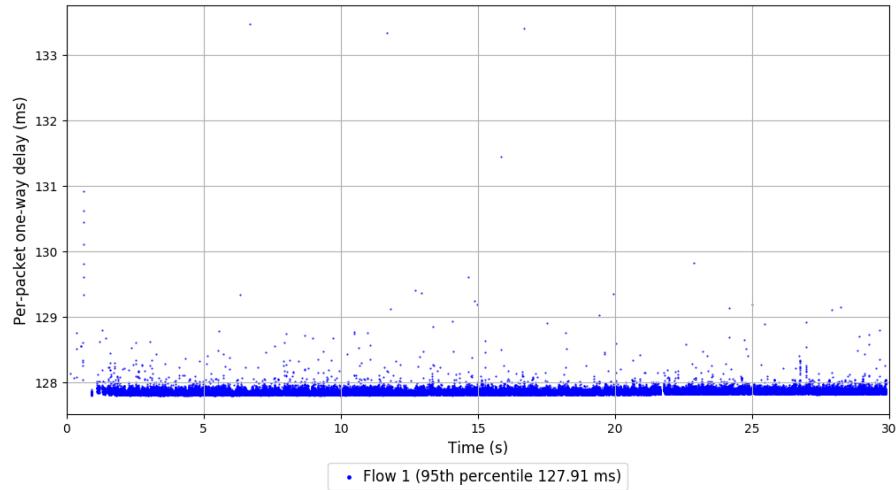
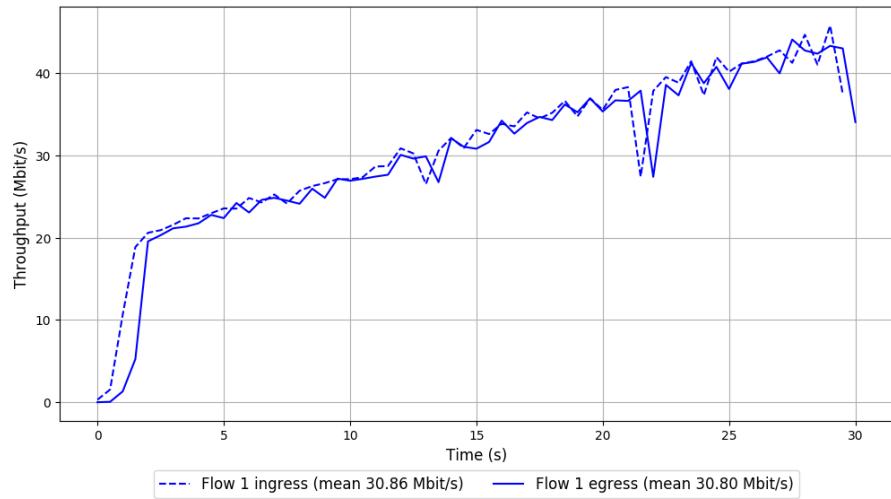


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-22 11:18:04
End at: 2018-05-22 11:18:34
Local clock offset: -1.22 ms
Remote clock offset: -31.098 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 127.909 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 127.909 ms
Loss rate: 0.85%
```

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

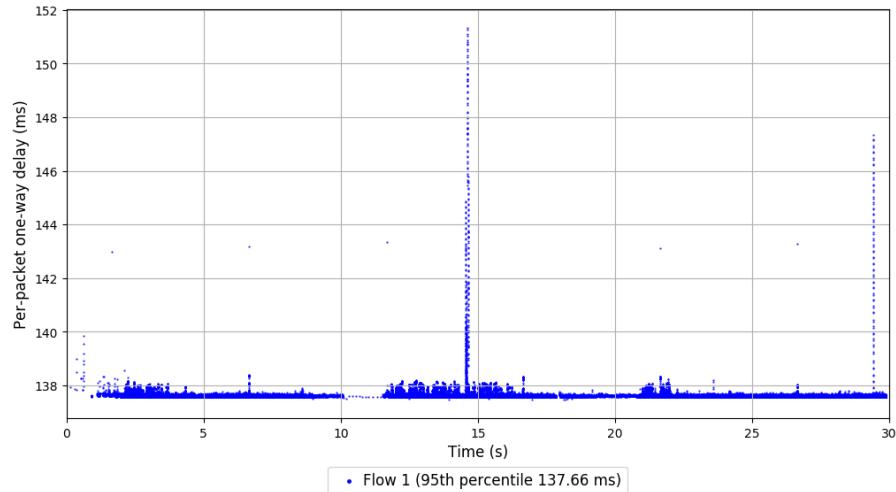
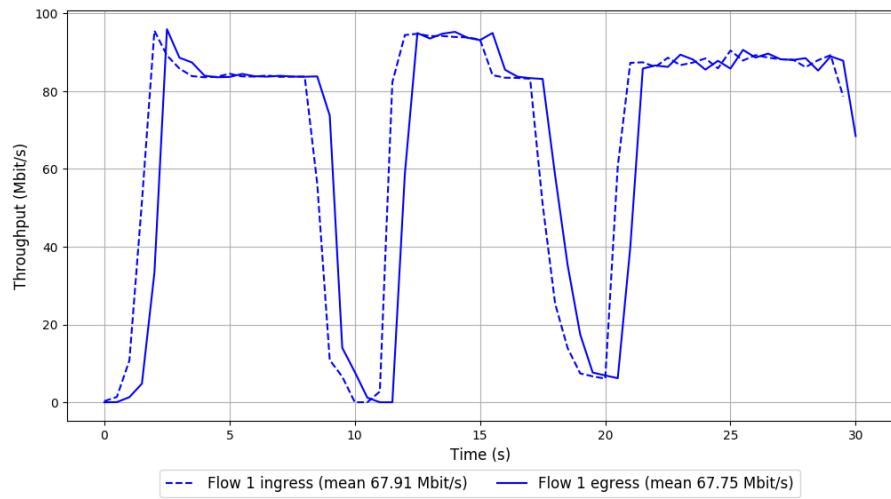


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-22 11:38:38
End at: 2018-05-22 11:39:08
Local clock offset: 0.71 ms
Remote clock offset: -38.034 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 137.658 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 137.658 ms
Loss rate: 0.87%
```

Run 5: Report of QUIC Cubic — Data Link

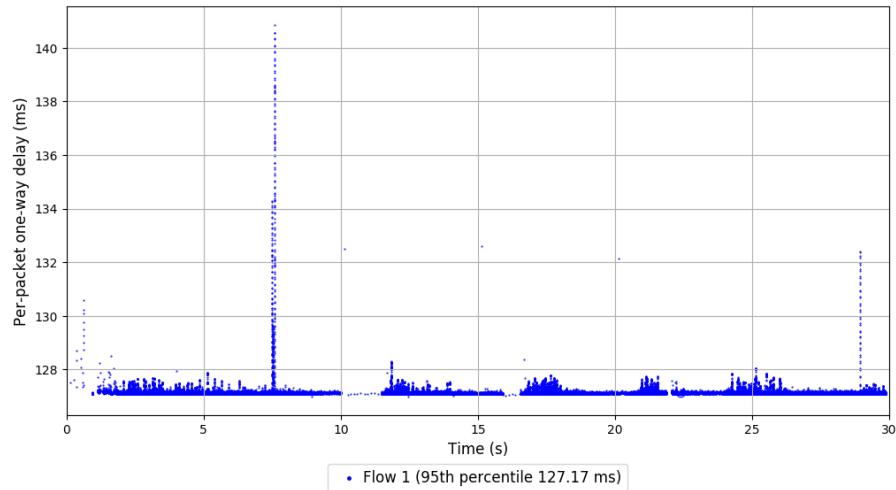
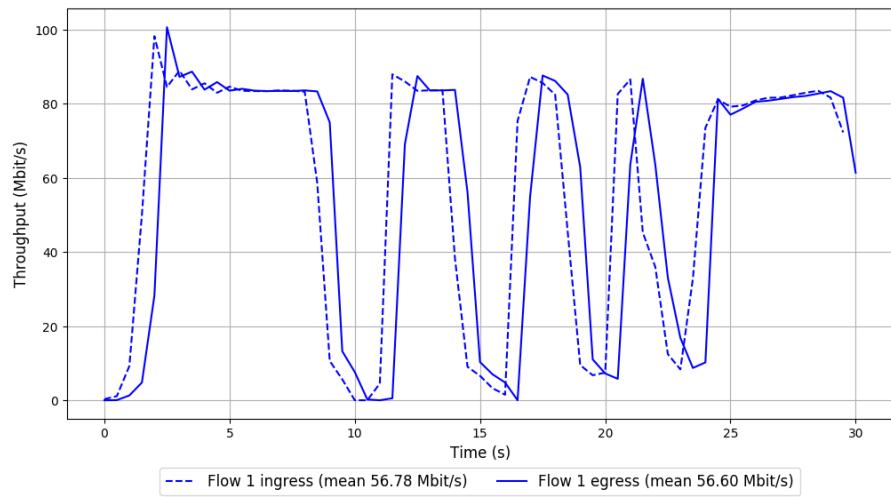


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-22 12:14:43
End at: 2018-05-22 12:15:14
Local clock offset: 0.052 ms
Remote clock offset: -28.838 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 127.170 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 127.170 ms
Loss rate: 0.95%
```

Run 6: Report of QUIC Cubic — Data Link

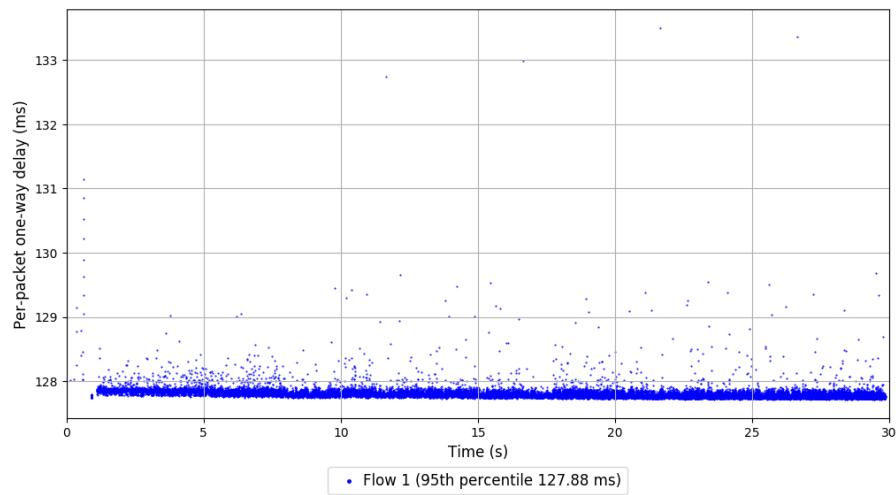
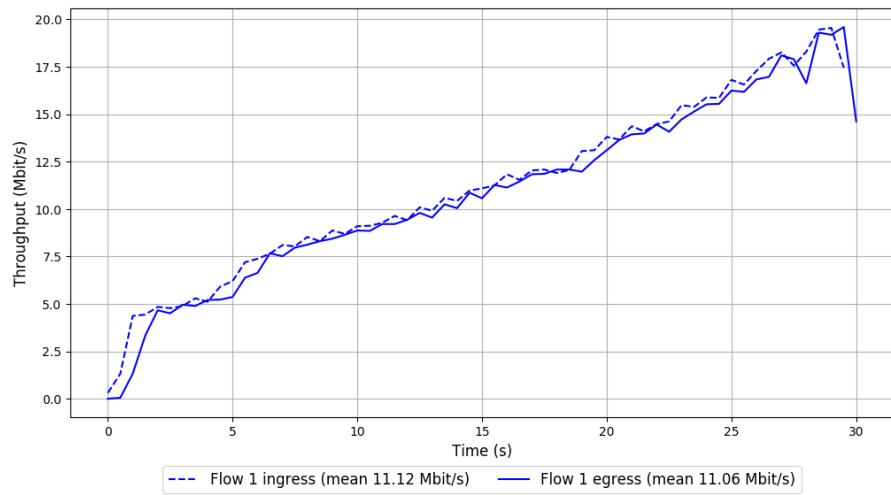


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-22 12:35:33
End at: 2018-05-22 12:36:03
Local clock offset: 0.182 ms
Remote clock offset: -31.419 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 127.880 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 127.880 ms
Loss rate: 1.16%
```

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

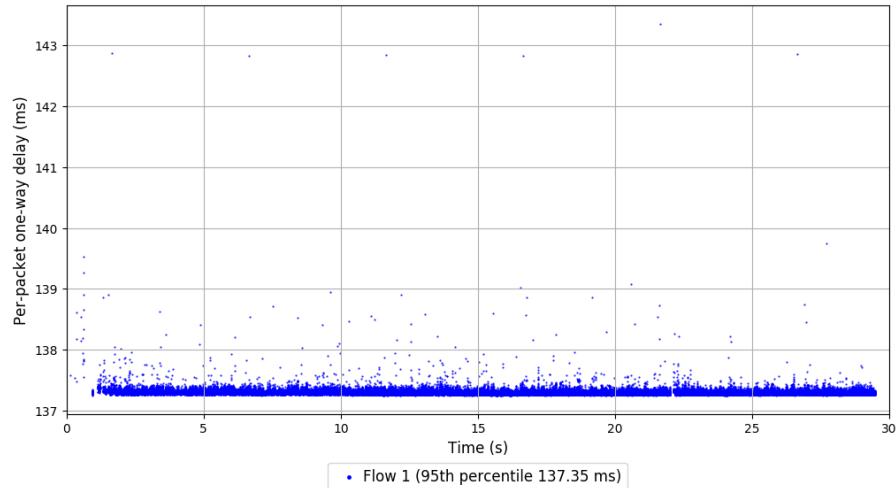
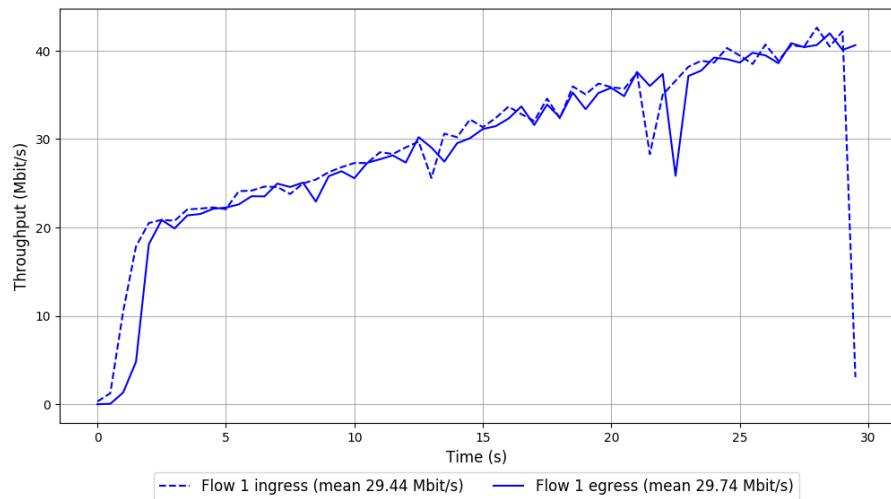


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-22 13:17:08
End at: 2018-05-22 13:17:38
Local clock offset: 2.787 ms
Remote clock offset: -38.56 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 137.354 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 137.354 ms
Loss rate: 0.93%
```

Run 8: Report of QUIC Cubic — Data Link

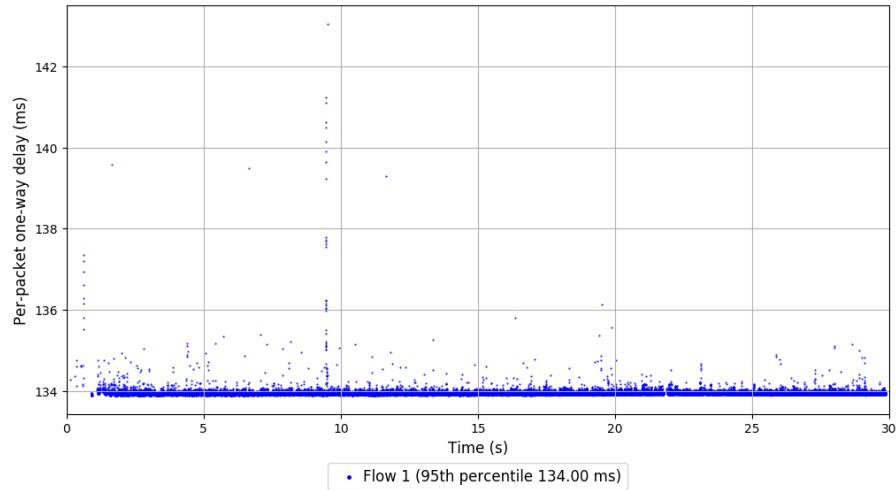
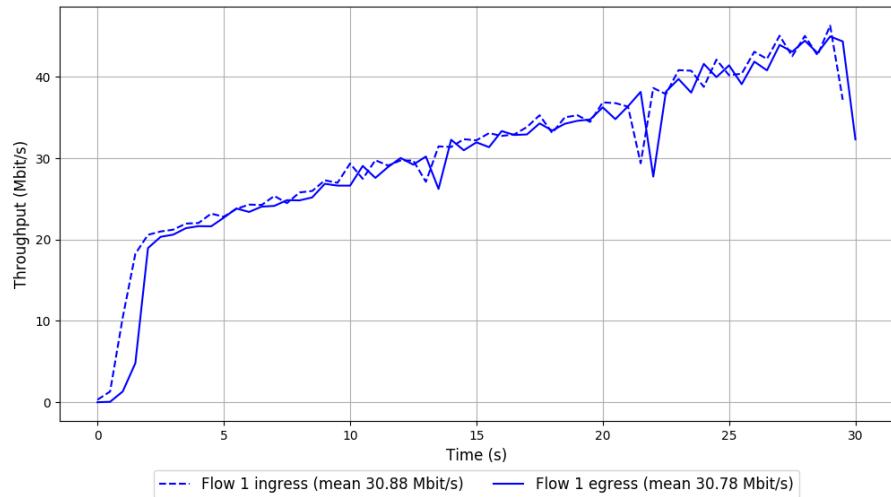


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-22 13:54:37
End at: 2018-05-22 13:55:07
Local clock offset: -0.267 ms
Remote clock offset: -35.941 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 133.995 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 133.995 ms
Loss rate: 0.95%
```

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

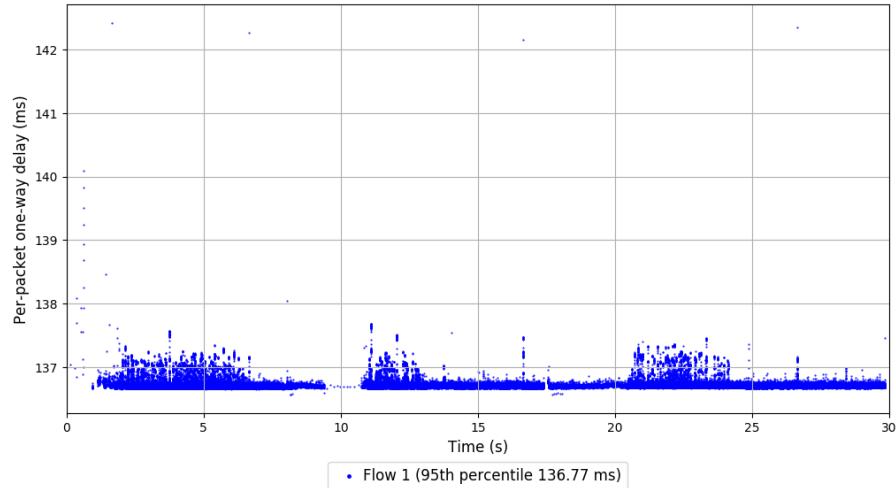
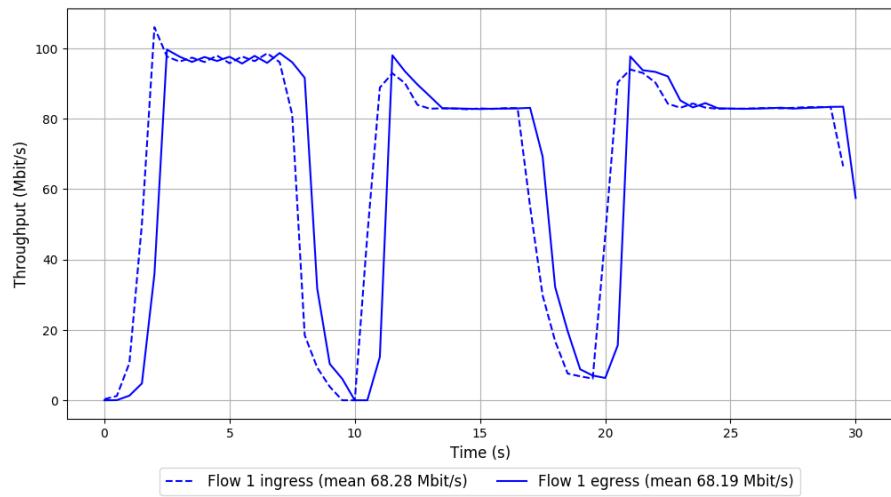


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-22 14:15:12
End at: 2018-05-22 14:15:42
Local clock offset: 2.113 ms
Remote clock offset: -36.742 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 136.766 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 136.766 ms
Loss rate: 0.78%
```

Run 10: Report of QUIC Cubic — Data Link

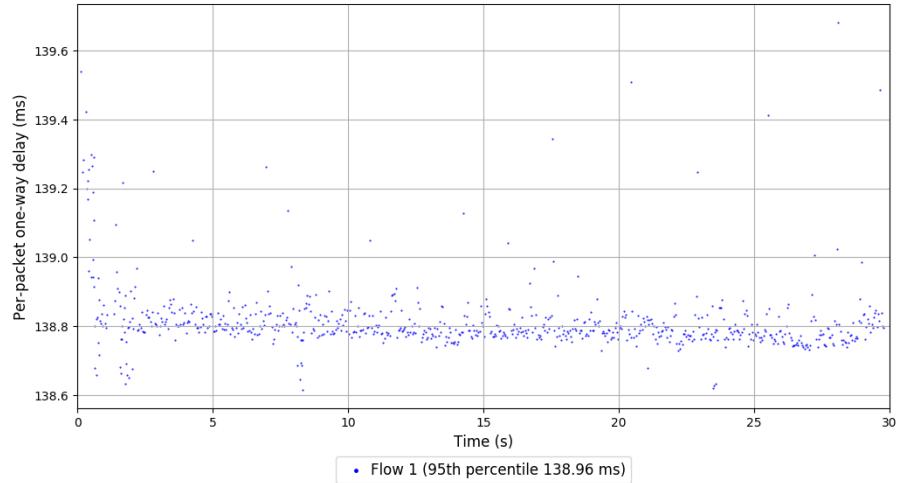
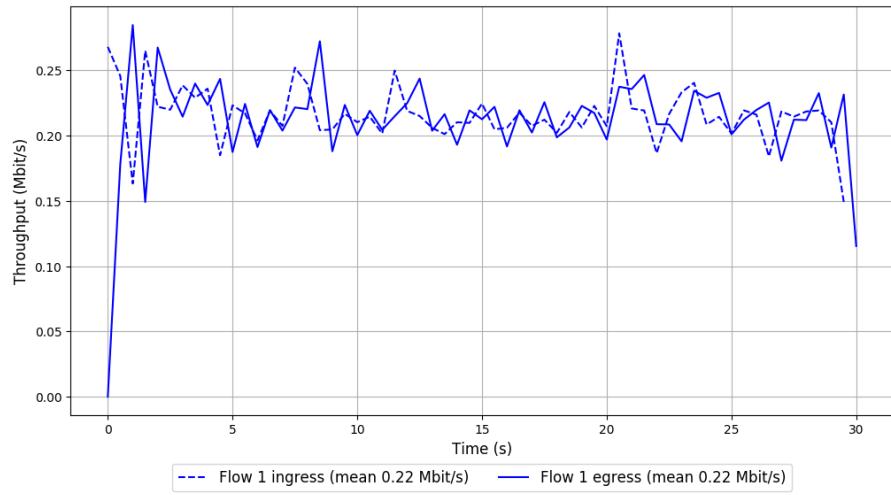


Run 1: Statistics of SCReAM

```
Start at: 2018-05-22 09:56:02
End at: 2018-05-22 09:56:32
Local clock offset: 0.665 ms
Remote clock offset: -39.338 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.958 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.958 ms
Loss rate: 0.64%
```

Run 1: Report of SCReAM — Data Link

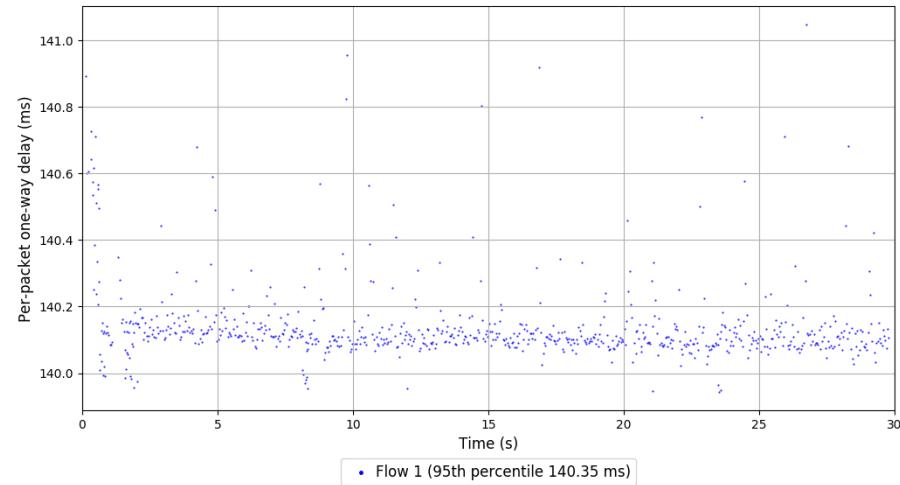
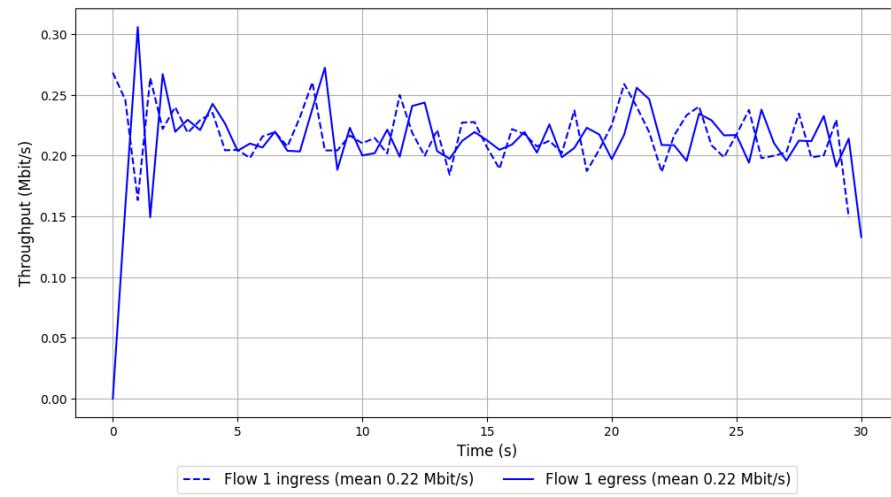


Run 2: Statistics of SCReAM

```
Start at: 2018-05-22 10:16:36
End at: 2018-05-22 10:17:06
Local clock offset: 0.388 ms
Remote clock offset: -41.378 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.347 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.347 ms
Loss rate: 0.64%
```

Run 2: Report of SCReAM — Data Link

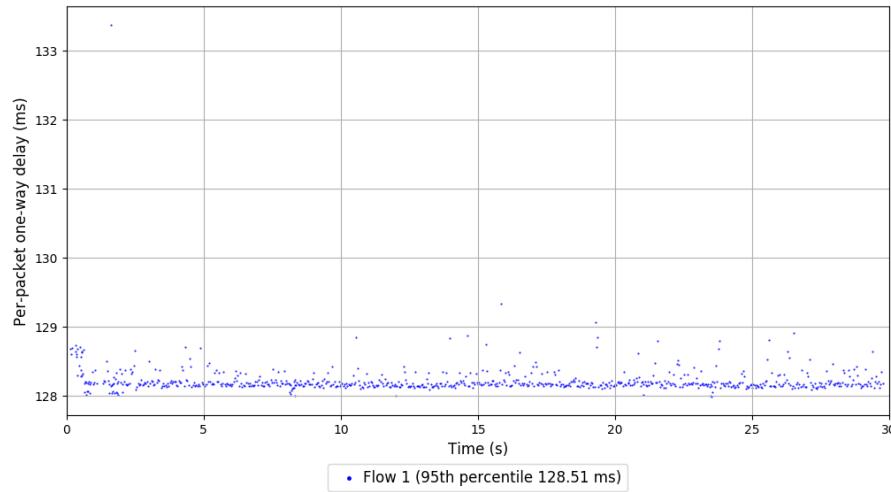
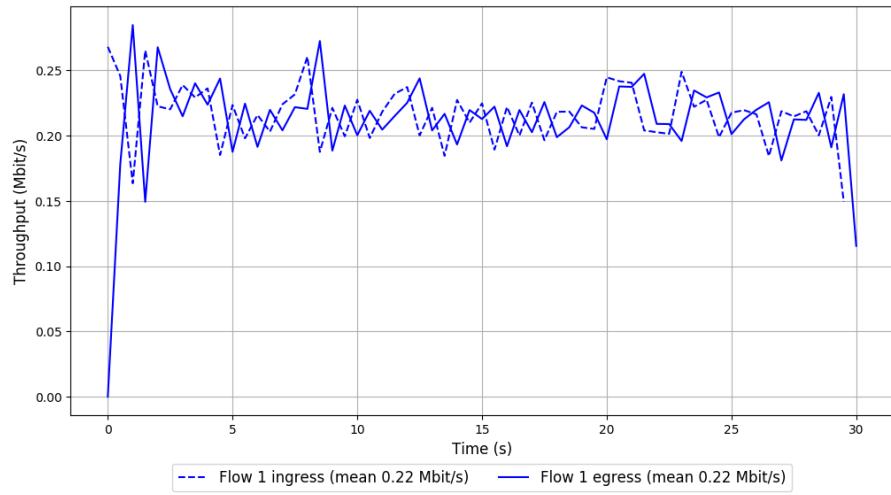


Run 3: Statistics of SCReAM

```
Start at: 2018-05-22 10:42:52
End at: 2018-05-22 10:43:22
Local clock offset: 1.185 ms
Remote clock offset: -29.895 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 128.515 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 128.515 ms
Loss rate: 0.64%
```

Run 3: Report of SCReAM — Data Link

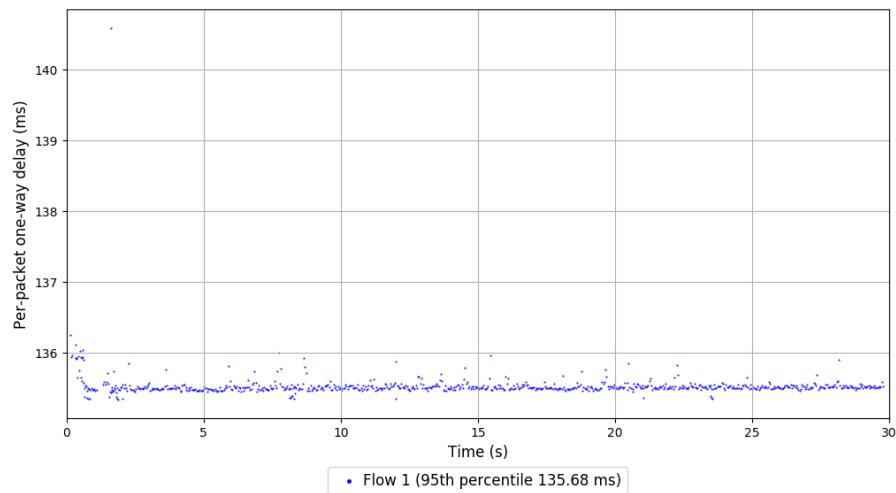
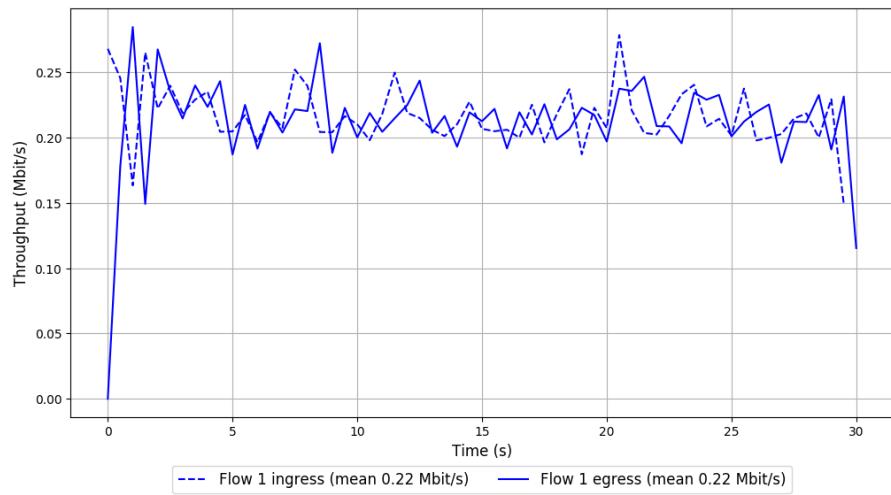


Run 4: Statistics of SCReAM

```
Start at: 2018-05-22 11:13:01
End at: 2018-05-22 11:13:31
Local clock offset: -1.527 ms
Remote clock offset: -37.787 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.681 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.681 ms
Loss rate: 0.64%
```

Run 4: Report of SCReAM — Data Link

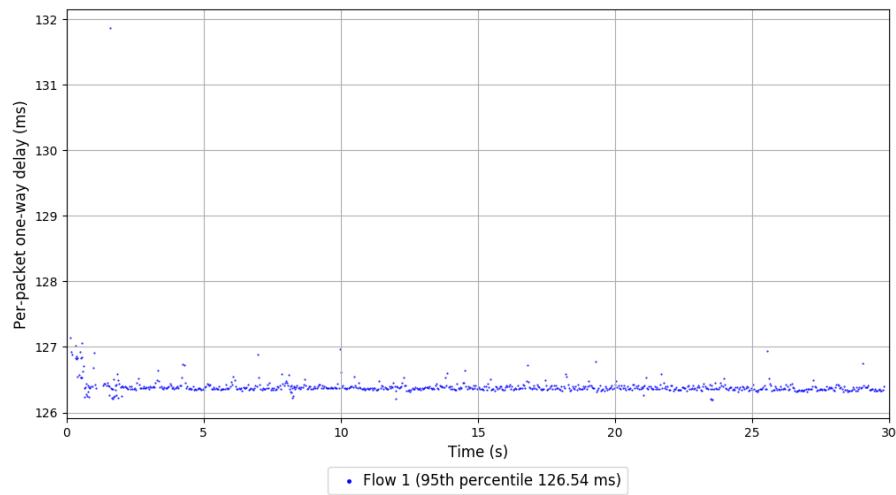
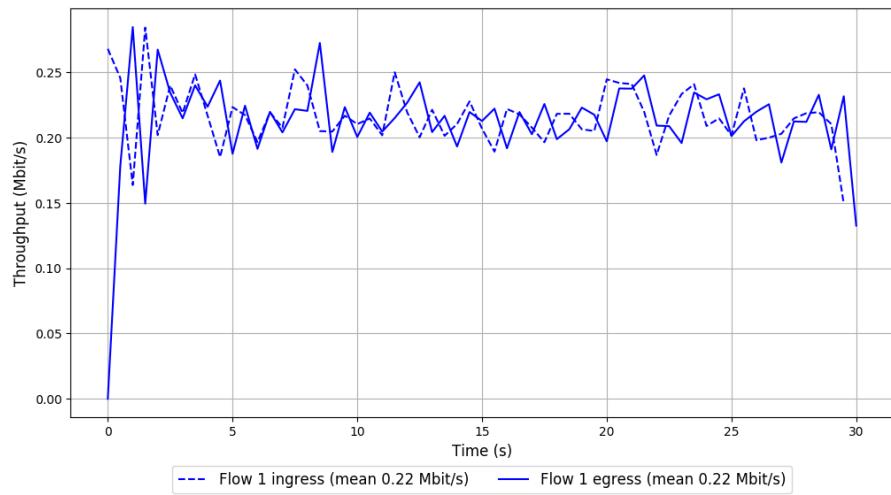


Run 5: Statistics of SCReAM

```
Start at: 2018-05-22 11:33:42
End at: 2018-05-22 11:34:12
Local clock offset: 0.615 ms
Remote clock offset: -28.063 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 126.544 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 126.544 ms
Loss rate: 0.51%
```

Run 5: Report of SCReAM — Data Link

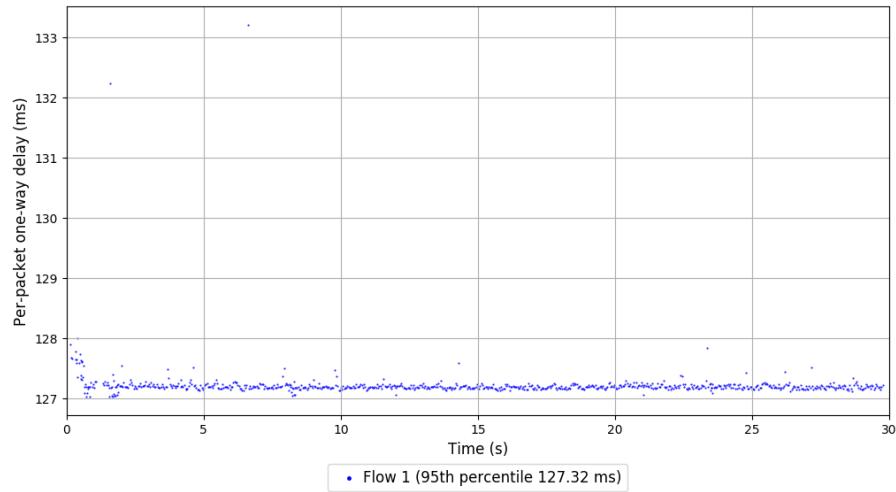
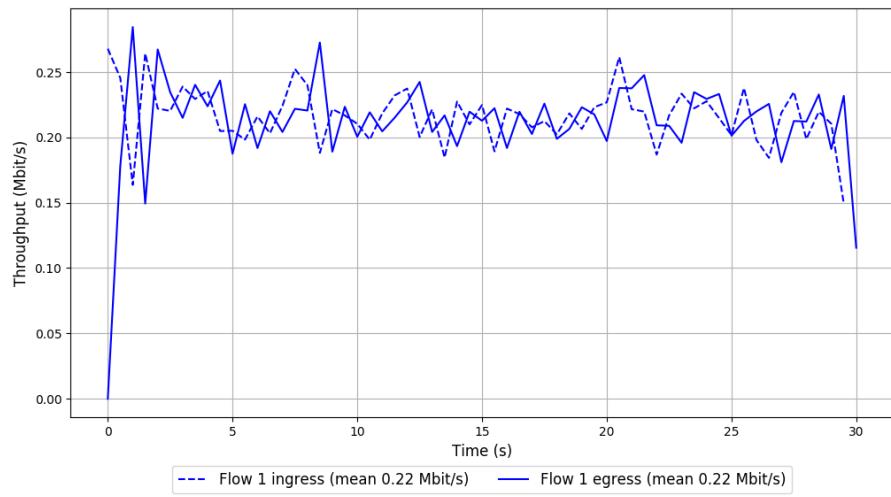


Run 6: Statistics of SCReAM

```
Start at: 2018-05-22 12:04:16
End at: 2018-05-22 12:04:46
Local clock offset: 0.614 ms
Remote clock offset: -29.565 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.319 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.319 ms
Loss rate: 0.64%
```

Run 6: Report of SCReAM — Data Link

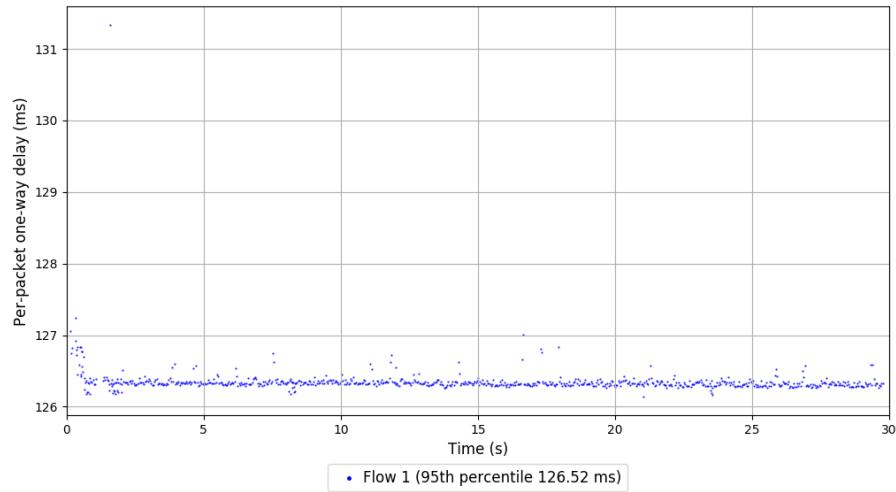
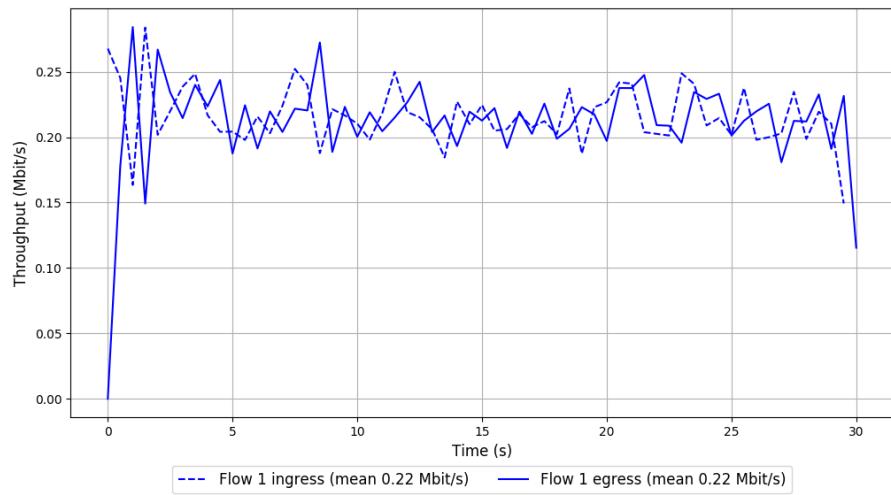


Run 7: Statistics of SCReAM

```
Start at: 2018-05-22 12:30:36
End at: 2018-05-22 12:31:06
Local clock offset: 0.09 ms
Remote clock offset: -29.653 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 126.524 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 126.524 ms
Loss rate: 0.64%
```

Run 7: Report of SCReAM — Data Link

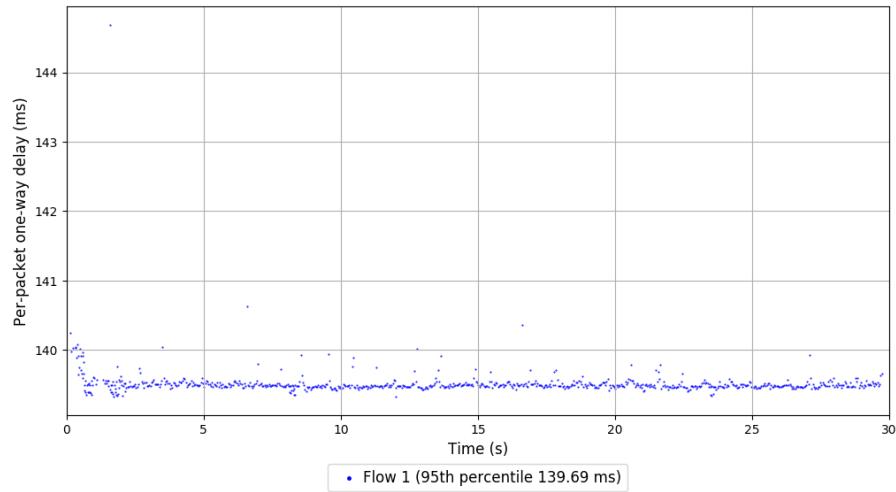
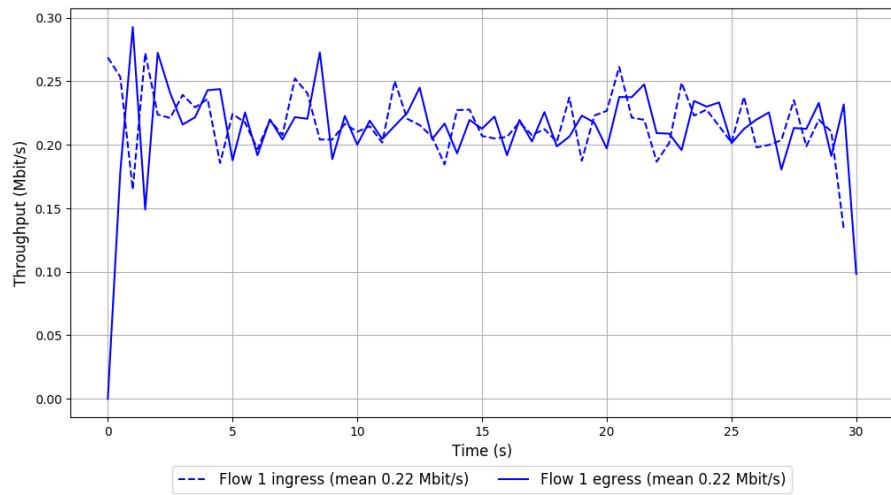


Run 8: Statistics of SCReAM

```
Start at: 2018-05-22 13:06:35
End at: 2018-05-22 13:07:05
Local clock offset: 2.336 ms
Remote clock offset: -39.718 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 139.687 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 139.687 ms
Loss rate: 0.65%
```

Run 8: Report of SCReAM — Data Link

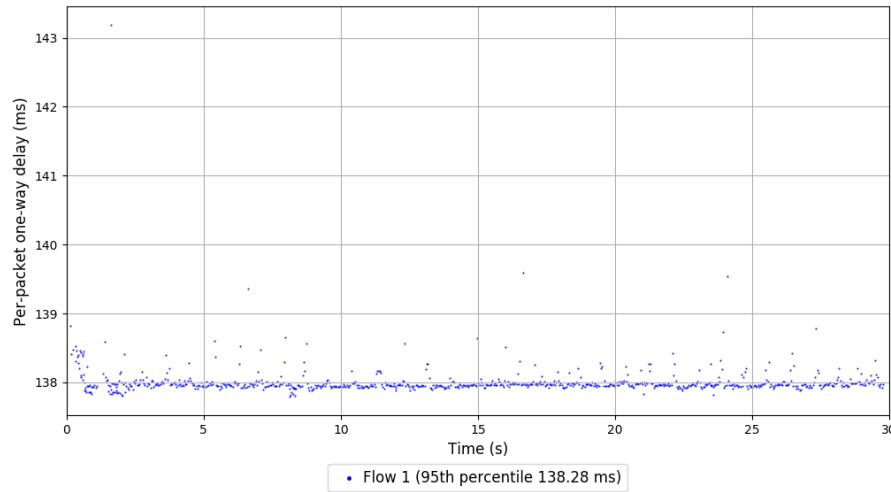
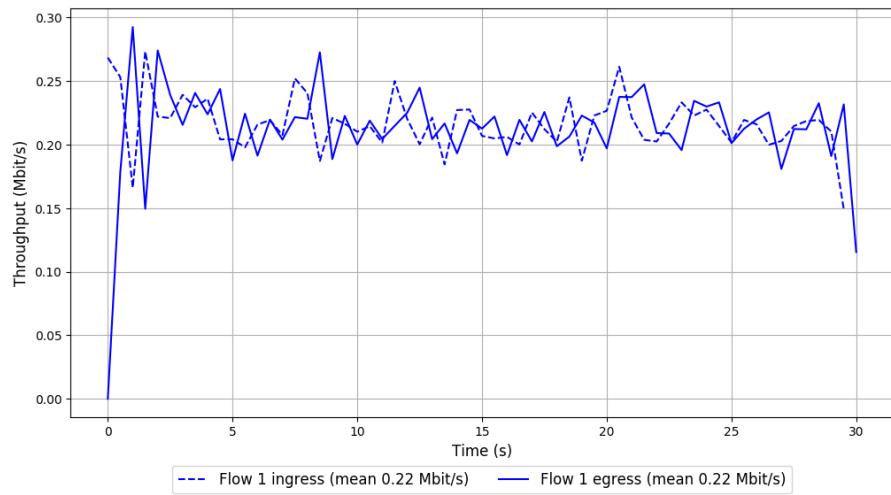


Run 9: Statistics of SCReAM

```
Start at: 2018-05-22 13:43:57
End at: 2018-05-22 13:44:27
Local clock offset: -1.401 ms
Remote clock offset: -40.003 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.282 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.282 ms
Loss rate: 0.64%
```

Run 9: Report of SCReAM — Data Link

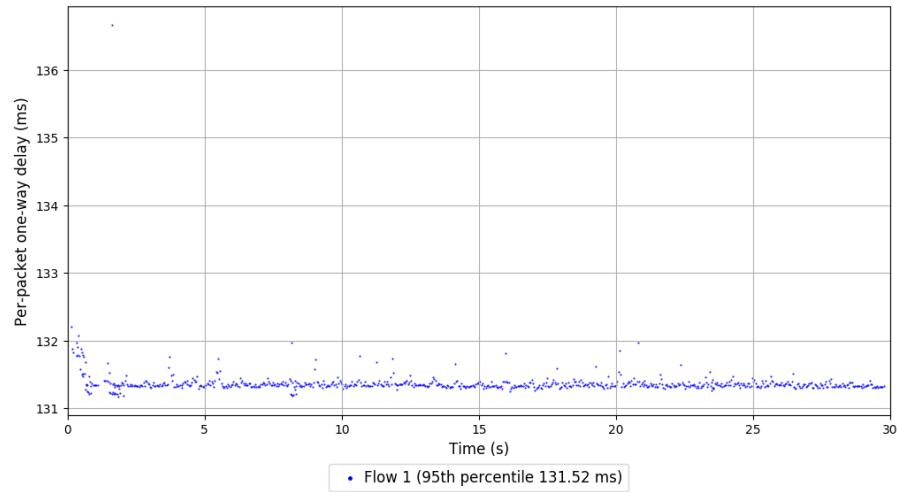
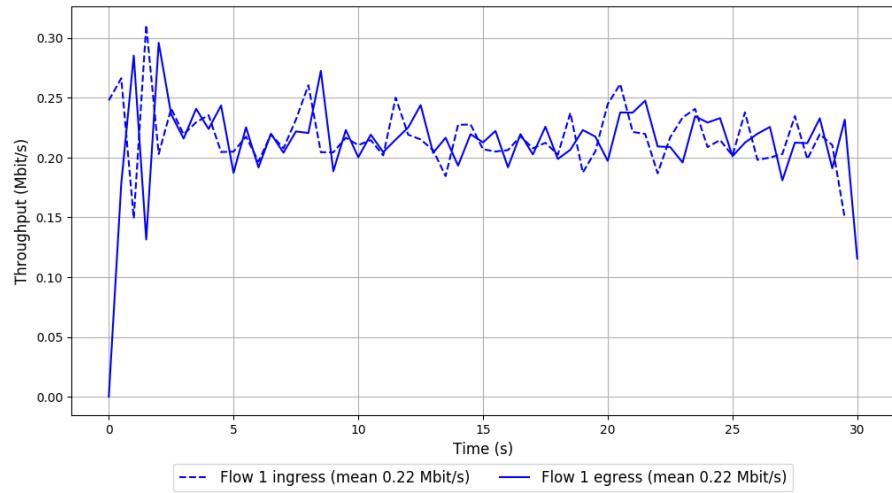


Run 10: Statistics of SCReAM

```
Start at: 2018-05-22 14:10:15
End at: 2018-05-22 14:10:45
Local clock offset: 1.579 ms
Remote clock offset: -30.388 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.520 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.520 ms
Loss rate: 0.64%
```

Run 10: Report of SCReAM — Data Link

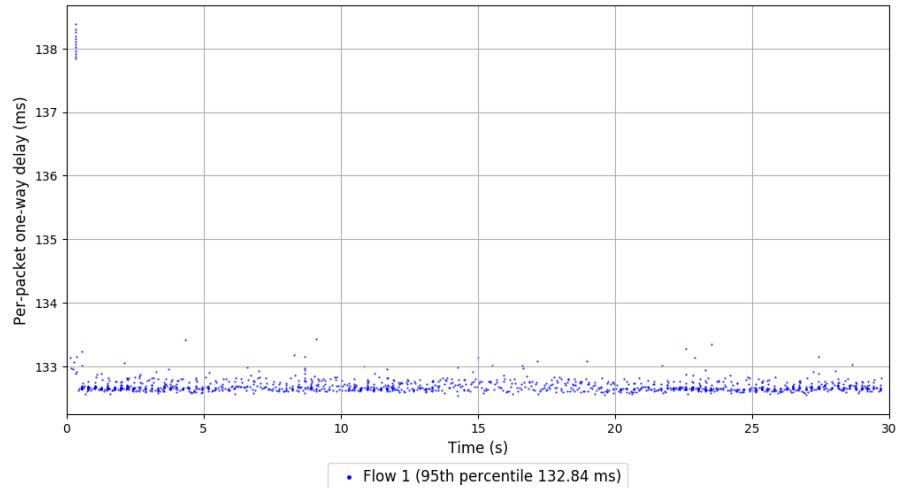
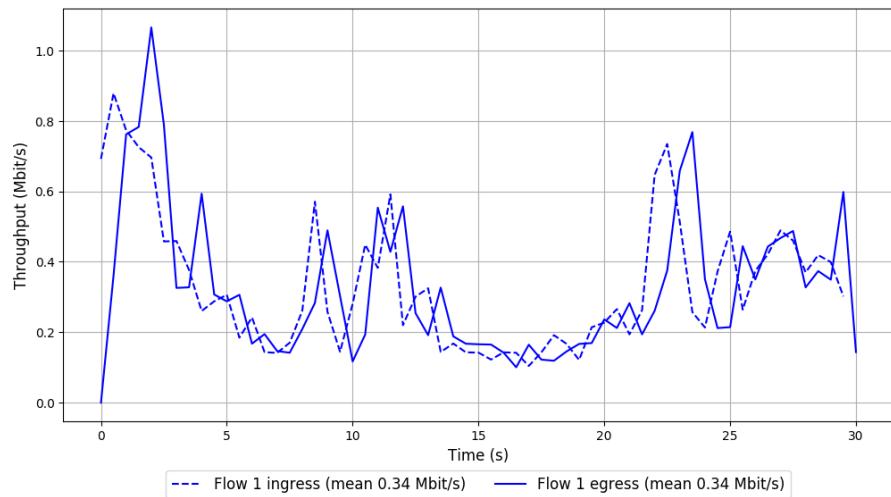


Run 1: Statistics of Sprout

```
Start at: 2018-05-22 09:54:53
End at: 2018-05-22 09:55:23
Local clock offset: 0.344 ms
Remote clock offset: -35.015 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 132.839 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 132.839 ms
Loss rate: 0.81%
```

Run 1: Report of Sprout — Data Link

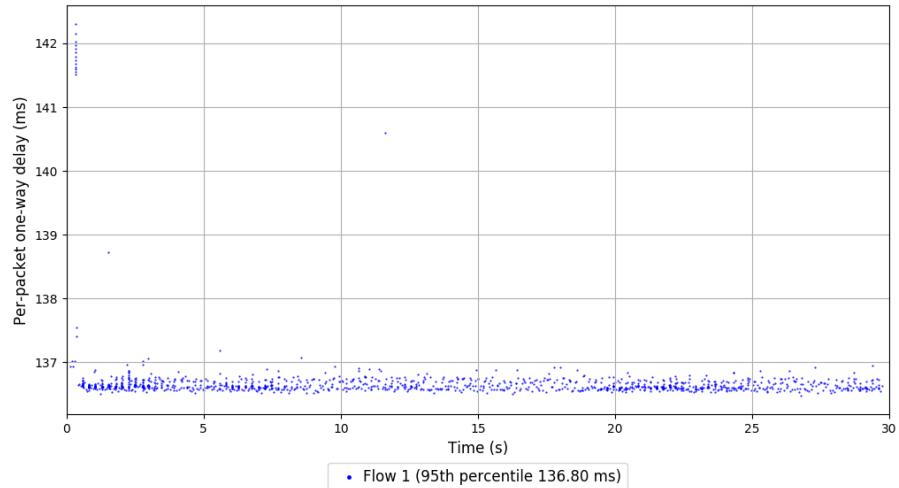
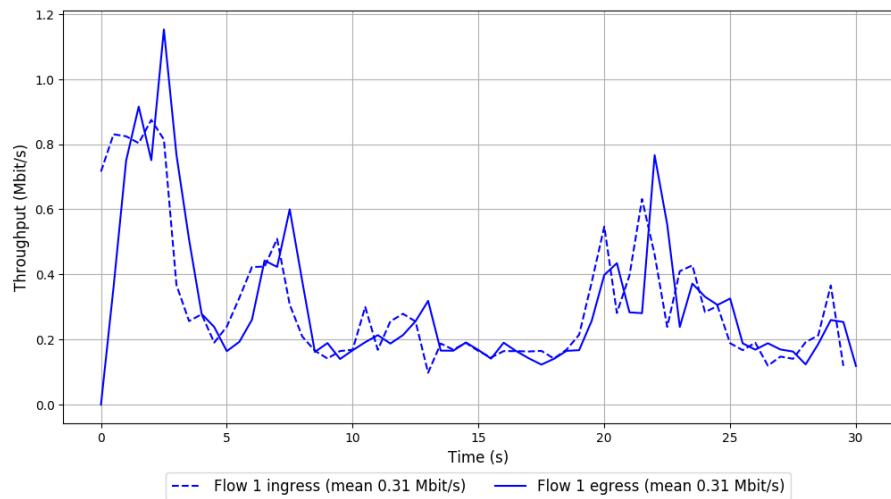


Run 2: Statistics of Sprout

```
Start at: 2018-05-22 10:15:27
End at: 2018-05-22 10:15:57
Local clock offset: -0.2 ms
Remote clock offset: -40.042 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.803 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.803 ms
Loss rate: 0.62%
```

## Run 2: Report of Sprout — Data Link

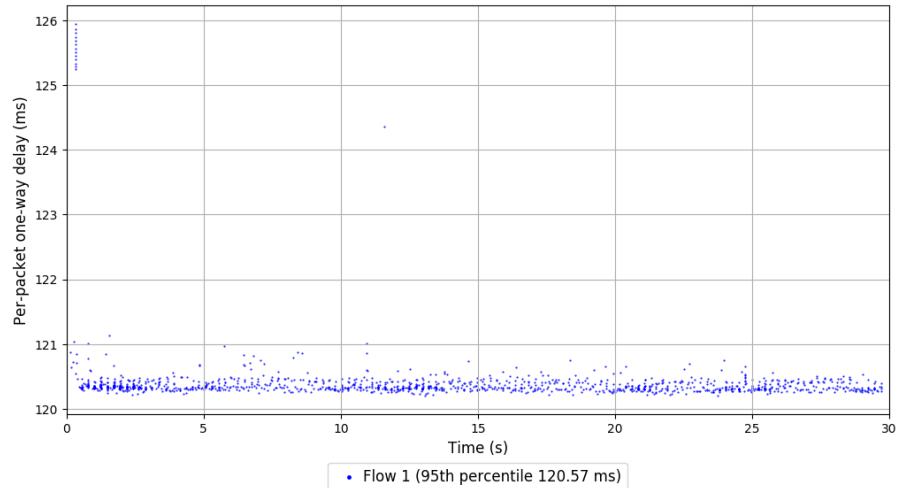
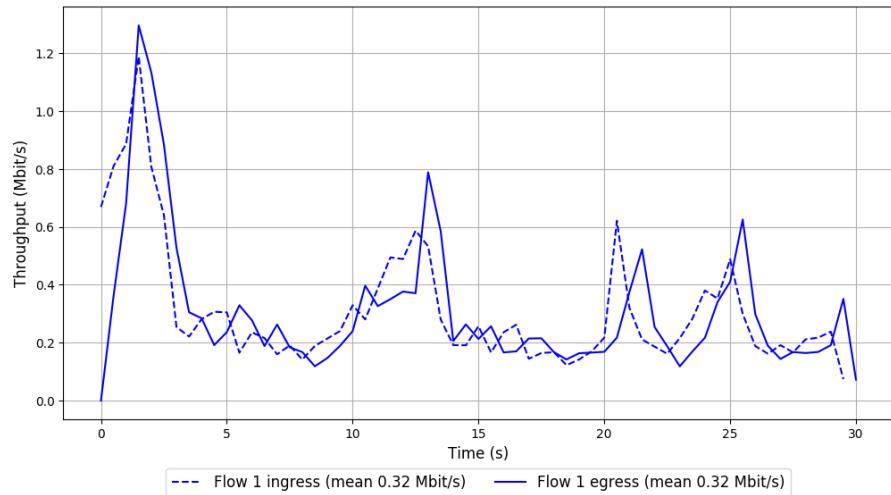


Run 3: Statistics of Sprout

```
Start at: 2018-05-22 10:41:43
End at: 2018-05-22 10:42:13
Local clock offset: -0.966 ms
Remote clock offset: -25.668 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 120.567 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 120.567 ms
Loss rate: 0.03%
```

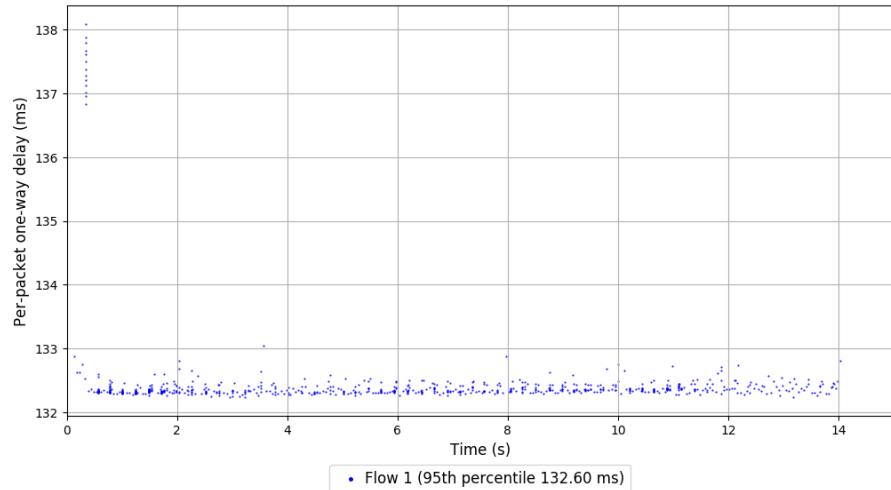
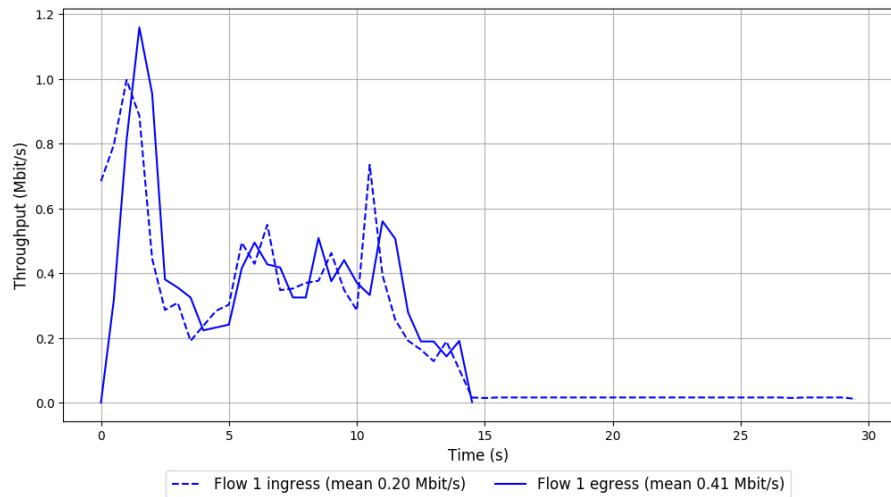
### Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-22 11:02:23  
End at: 2018-05-22 11:02:53  
Local clock offset: -0.386 ms  
Remote clock offset: -34.631 ms

## Run 4: Report of Sprout — Data Link

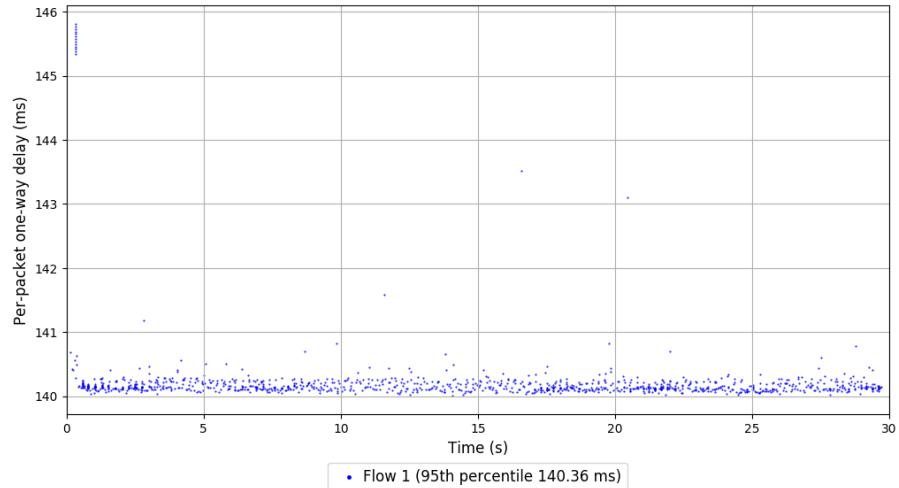
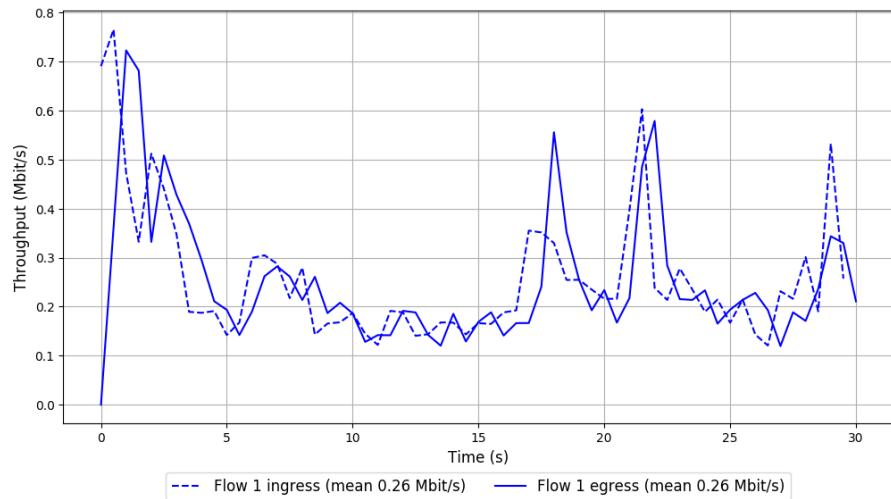


Run 5: Statistics of Sprout

```
Start at: 2018-05-22 11:32:32
End at: 2018-05-22 11:33:02
Local clock offset: -0.92 ms
Remote clock offset: -43.311 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 140.359 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 140.359 ms
Loss rate: 1.63%
```

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

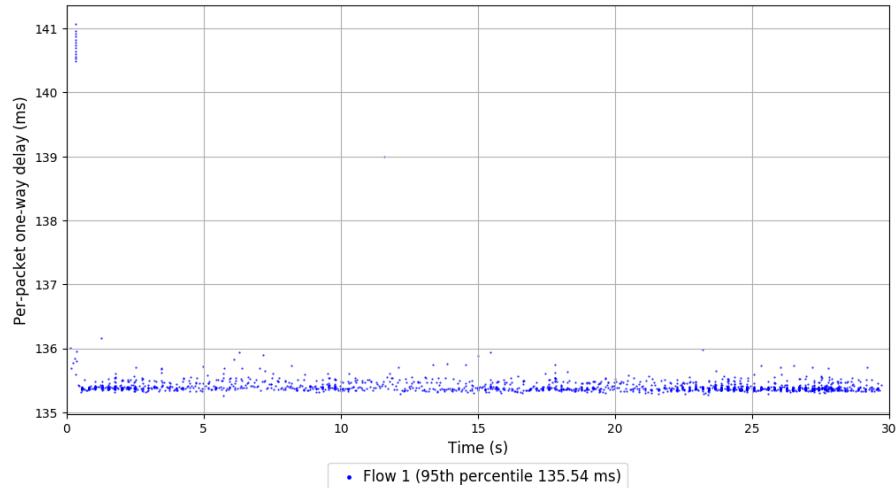
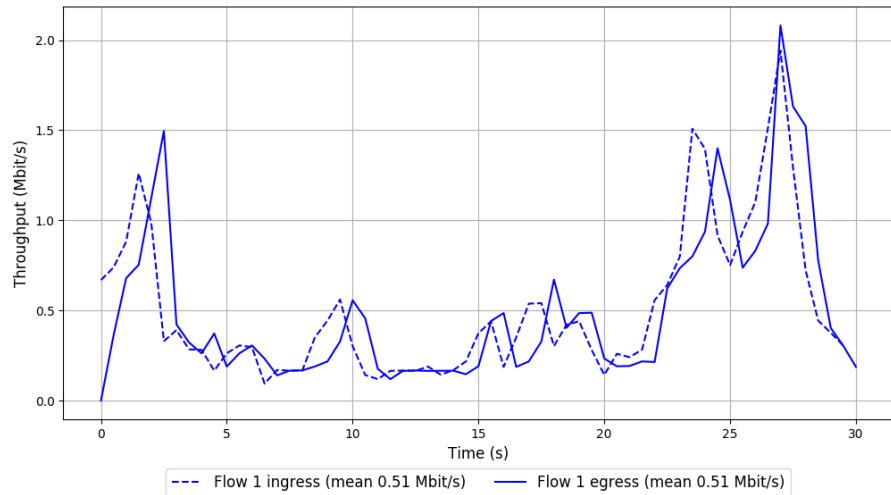


Run 6: Statistics of Sprout

```
Start at: 2018-05-22 12:03:02
End at: 2018-05-22 12:03:32
Local clock offset: 1.216 ms
Remote clock offset: -35.756 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 135.538 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 135.538 ms
Loss rate: 0.99%
```

Run 6: Report of Sprout — Data Link

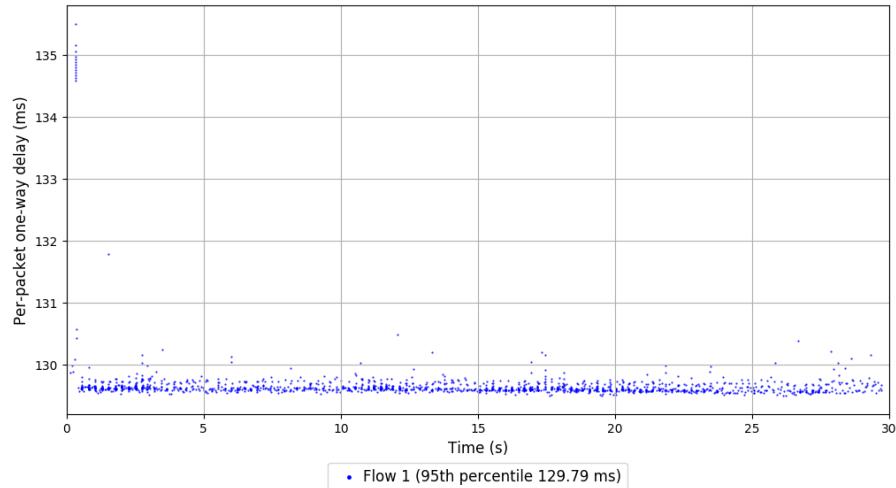
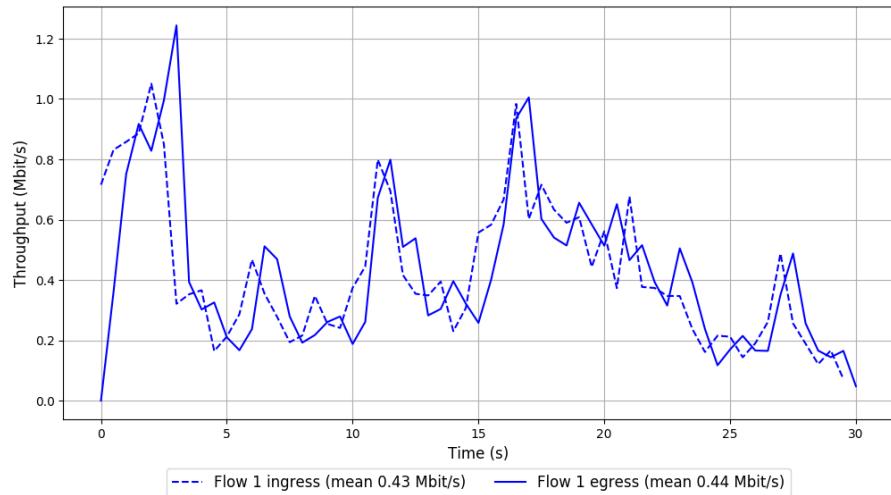


Run 7: Statistics of Sprout

```
Start at: 2018-05-22 12:29:26
End at: 2018-05-22 12:29:56
Local clock offset: -0.201 ms
Remote clock offset: -31.73 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 129.791 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 129.791 ms
Loss rate: 0.11%
```

## Run 7: Report of Sprout — Data Link

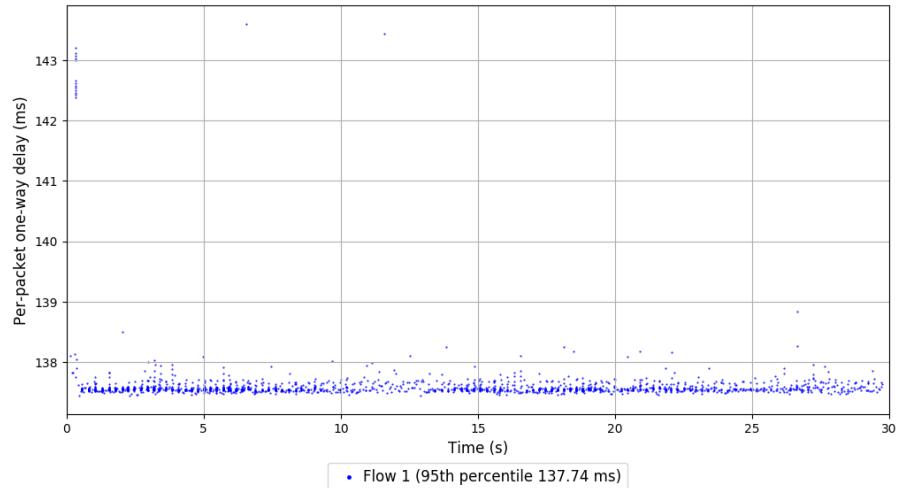
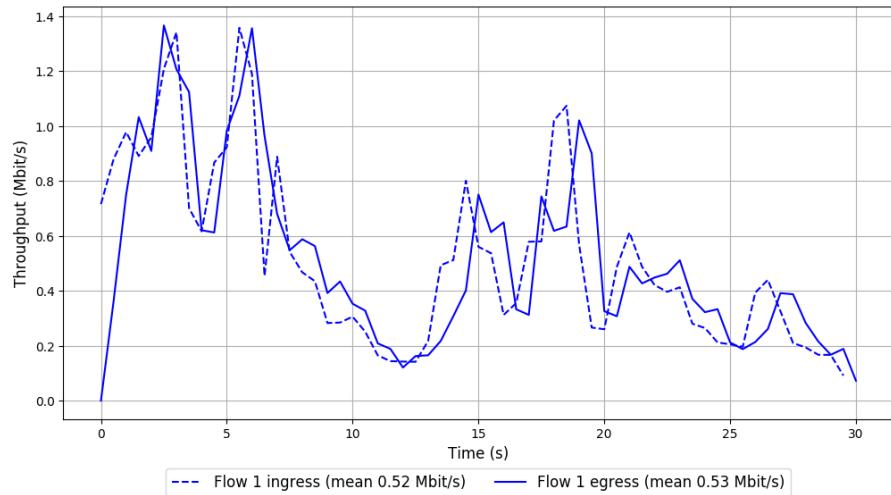


Run 8: Statistics of Sprout

```
Start at: 2018-05-22 13:05:26
End at: 2018-05-22 13:05:56
Local clock offset: 2.43 ms
Remote clock offset: -39.146 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 137.736 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 137.736 ms
Loss rate: 0.08%
```

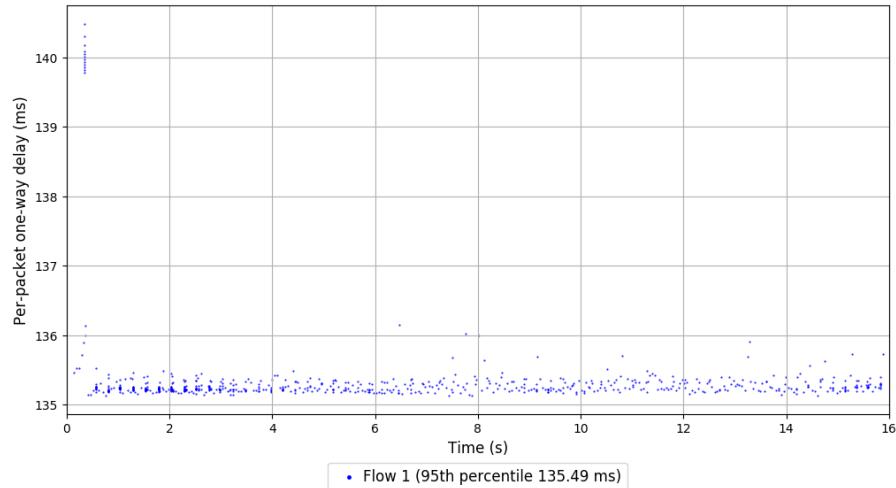
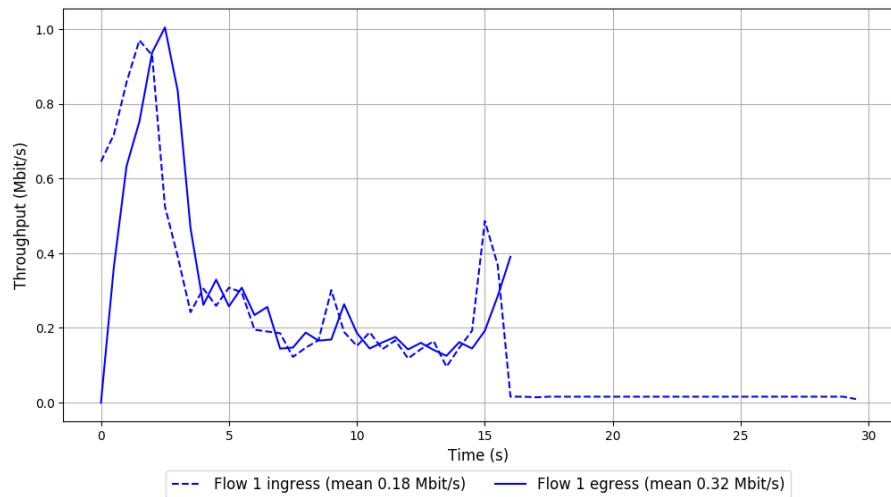
### Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-22 13:37:22  
End at: 2018-05-22 13:37:52  
Local clock offset: 1.051 ms  
Remote clock offset: -36.726 ms

Run 9: Report of Sprout — Data Link

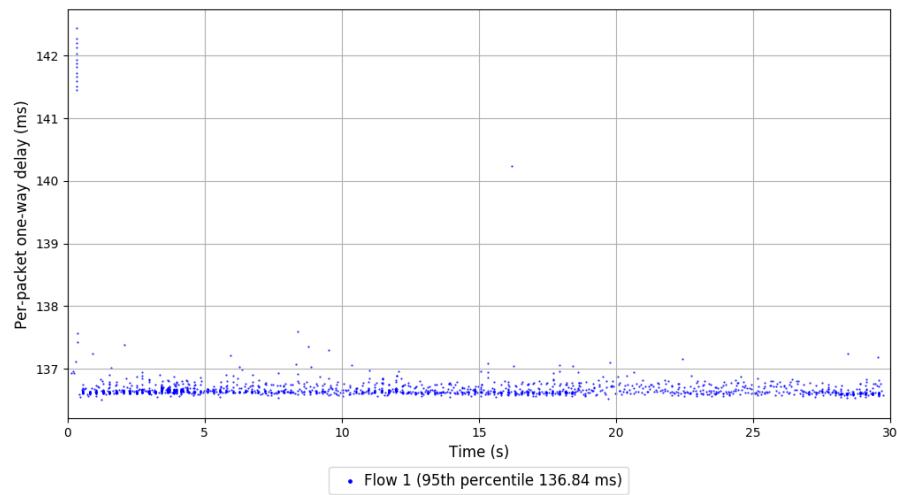
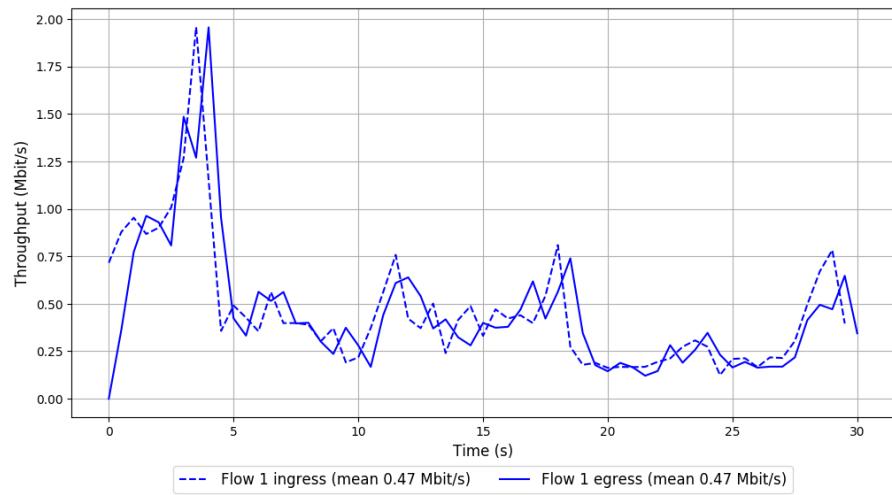


Run 10: Statistics of Sprout

```
Start at: 2018-05-22 14:09:06
End at: 2018-05-22 14:09:36
Local clock offset: 0.546 ms
Remote clock offset: -36.684 ms

# Below is generated by plot.py at 2018-05-22 14:58:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 136.840 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 136.840 ms
Loss rate: 1.39%
```

Run 10: Report of Sprout — Data Link

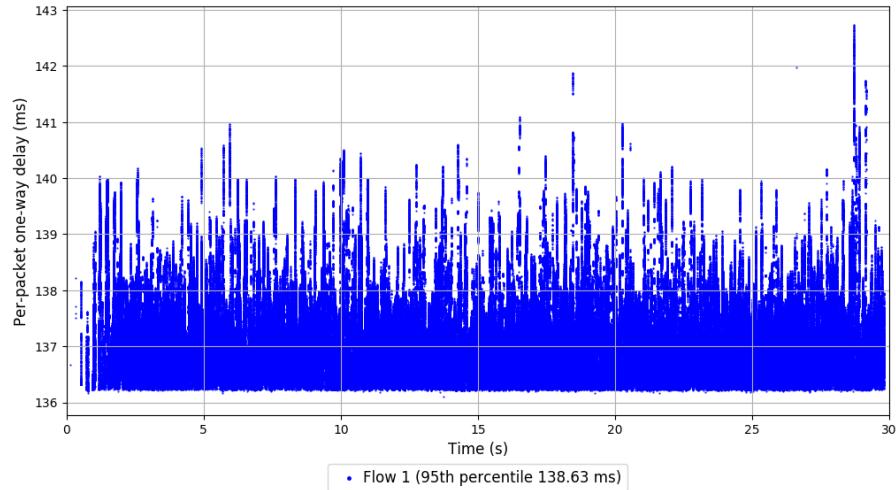
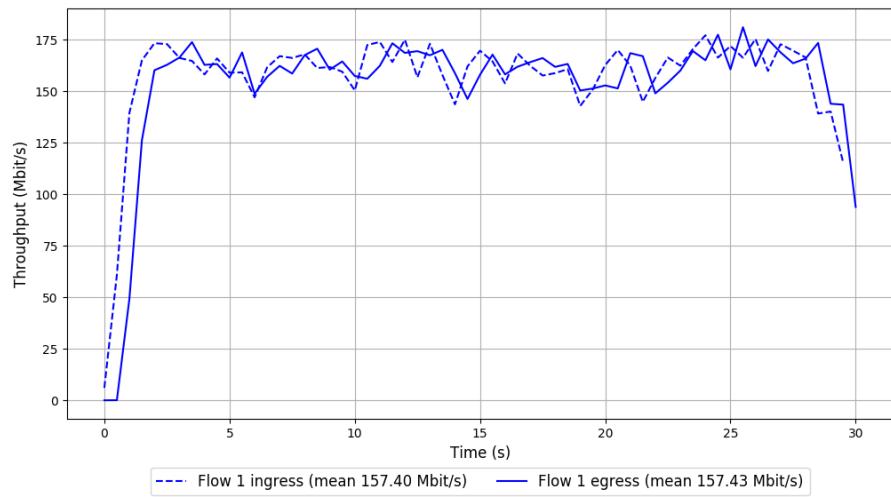


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-22 10:02:10
End at: 2018-05-22 10:02:40
Local clock offset: 0.096 ms
Remote clock offset: -39.031 ms

# Below is generated by plot.py at 2018-05-22 14:59:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.43 Mbit/s
95th percentile per-packet one-way delay: 138.626 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 157.43 Mbit/s
95th percentile per-packet one-way delay: 138.626 ms
Loss rate: 0.62%
```

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

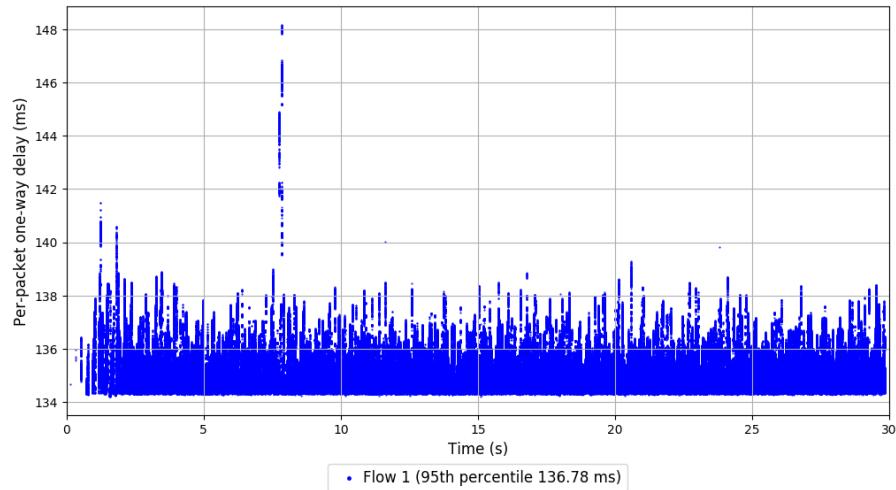
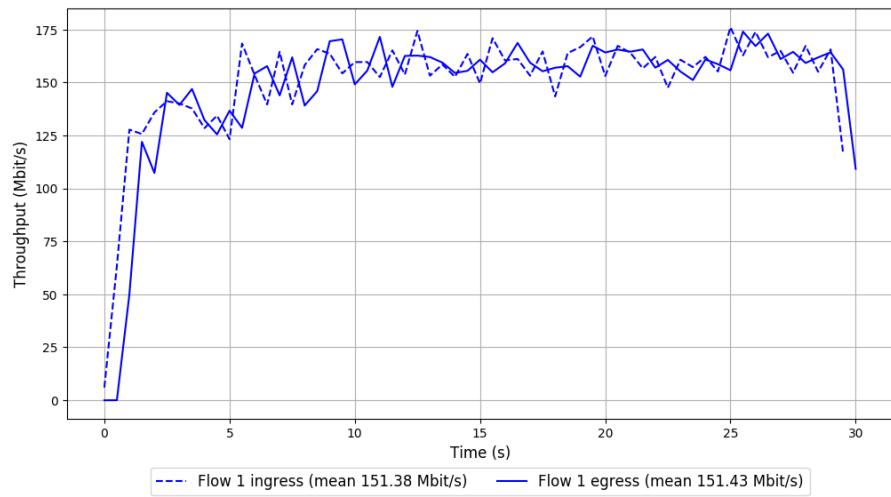


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-22 10:22:48
End at: 2018-05-22 10:23:18
Local clock offset: -0.126 ms
Remote clock offset: -37.956 ms

# Below is generated by plot.py at 2018-05-22 14:59:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.43 Mbit/s
95th percentile per-packet one-way delay: 136.783 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 151.43 Mbit/s
95th percentile per-packet one-way delay: 136.783 ms
Loss rate: 0.61%
```

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

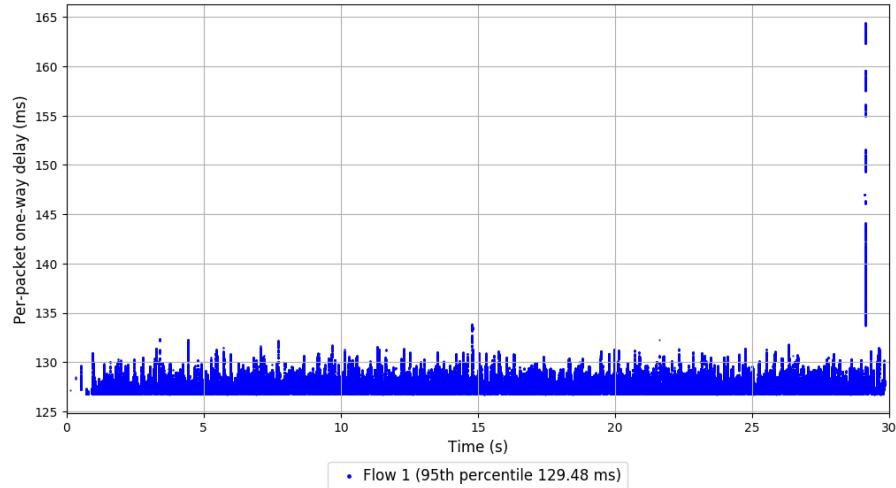
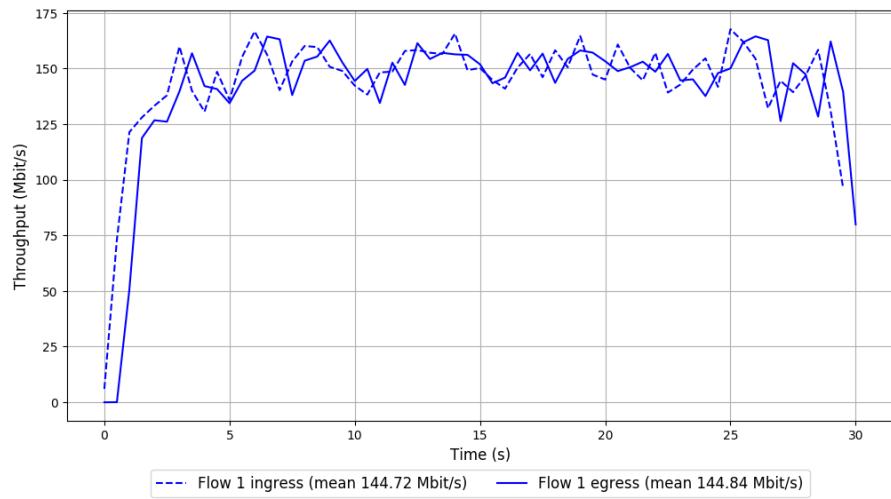


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-22 10:48:59
End at: 2018-05-22 10:49:29
Local clock offset: 1.91 ms
Remote clock offset: -28.245 ms

# Below is generated by plot.py at 2018-05-22 14:59:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.84 Mbit/s
95th percentile per-packet one-way delay: 129.484 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 144.84 Mbit/s
95th percentile per-packet one-way delay: 129.484 ms
Loss rate: 0.56%
```

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

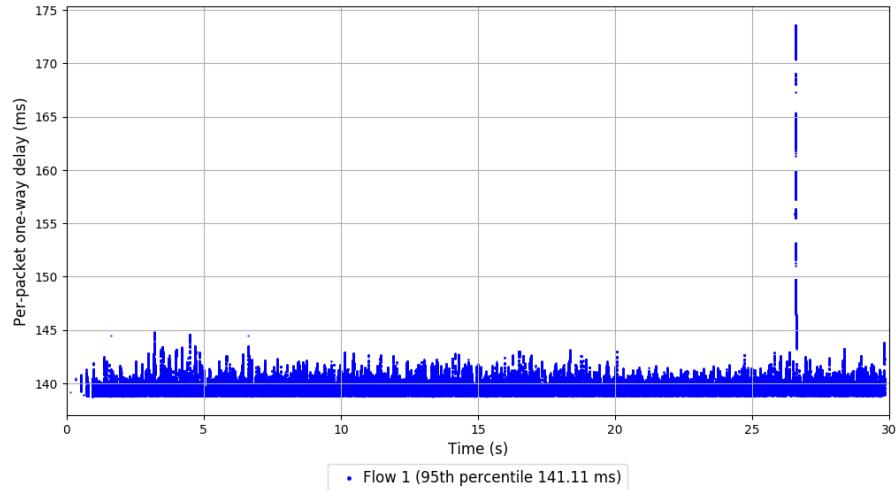
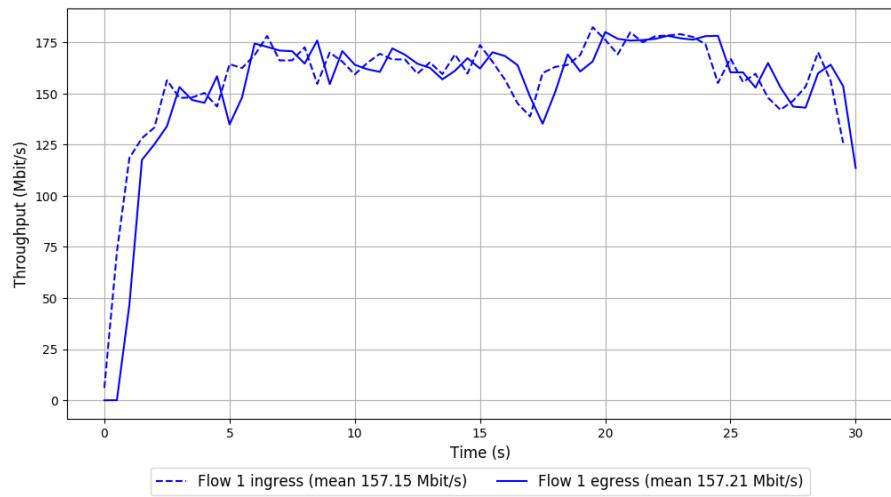


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-22 11:19:16
End at: 2018-05-22 11:19:46
Local clock offset: -1.18 ms
Remote clock offset: -40.575 ms

# Below is generated by plot.py at 2018-05-22 15:00:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.21 Mbit/s
95th percentile per-packet one-way delay: 141.113 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 157.21 Mbit/s
95th percentile per-packet one-way delay: 141.113 ms
Loss rate: 0.61%
```

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

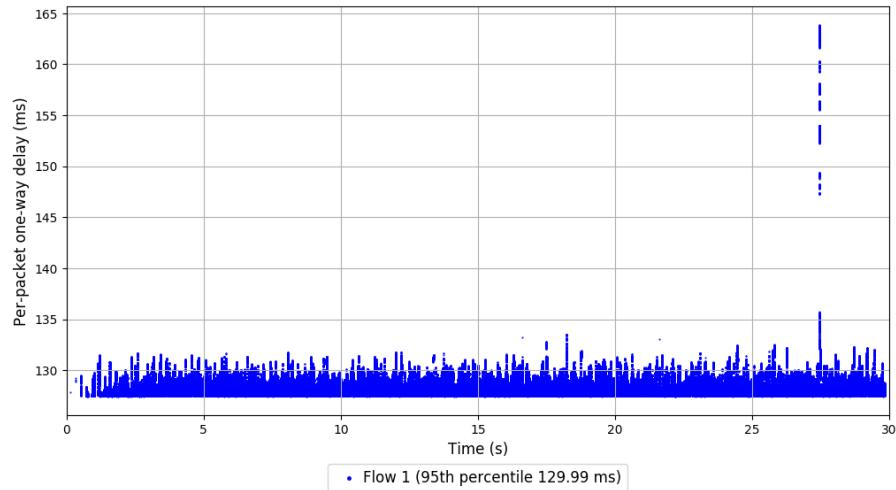
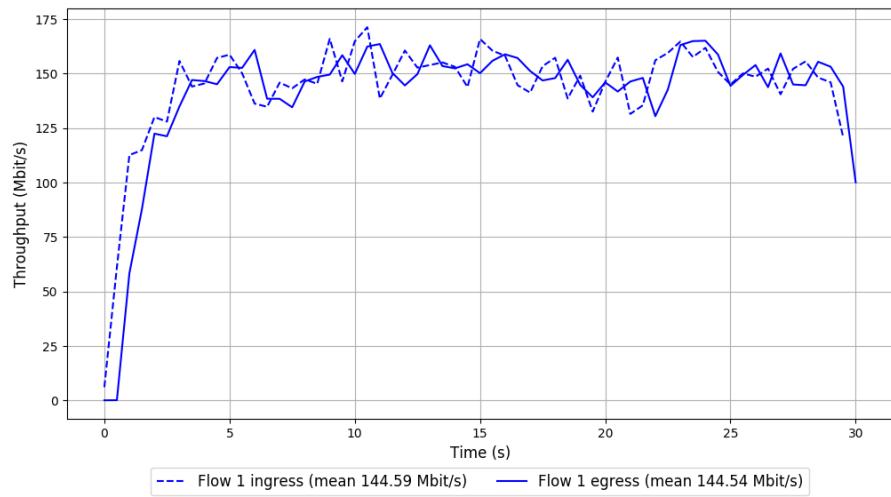


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-22 11:39:52
End at: 2018-05-22 11:40:22
Local clock offset: -1.174 ms
Remote clock offset: -29.805 ms

# Below is generated by plot.py at 2018-05-22 15:01:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.54 Mbit/s
95th percentile per-packet one-way delay: 129.990 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 144.54 Mbit/s
95th percentile per-packet one-way delay: 129.990 ms
Loss rate: 0.67%
```

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

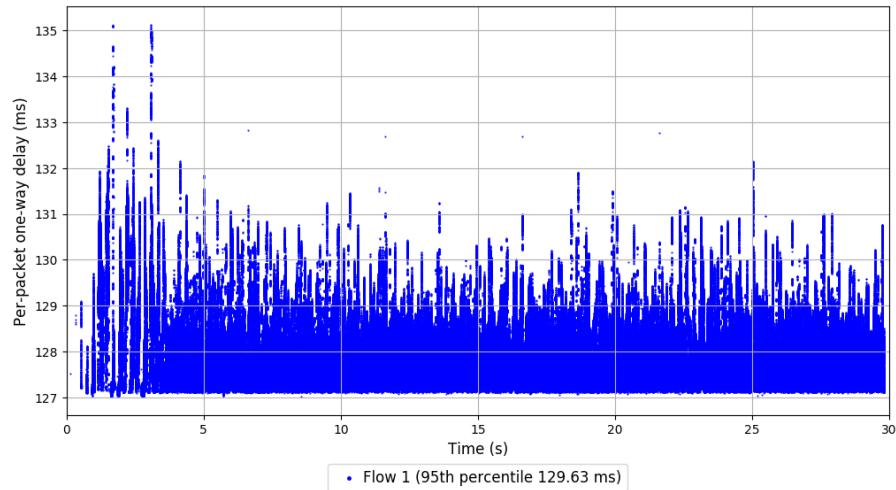
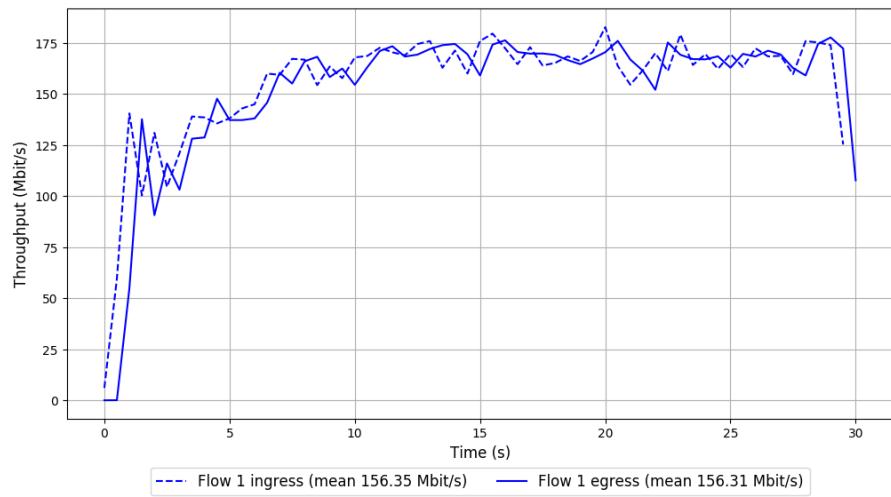


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-22 12:16:03
End at: 2018-05-22 12:16:33
Local clock offset: 0.85 ms
Remote clock offset: -28.062 ms

# Below is generated by plot.py at 2018-05-22 15:01:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 156.31 Mbit/s
95th percentile per-packet one-way delay: 129.626 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 156.31 Mbit/s
95th percentile per-packet one-way delay: 129.626 ms
Loss rate: 0.67%
```

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

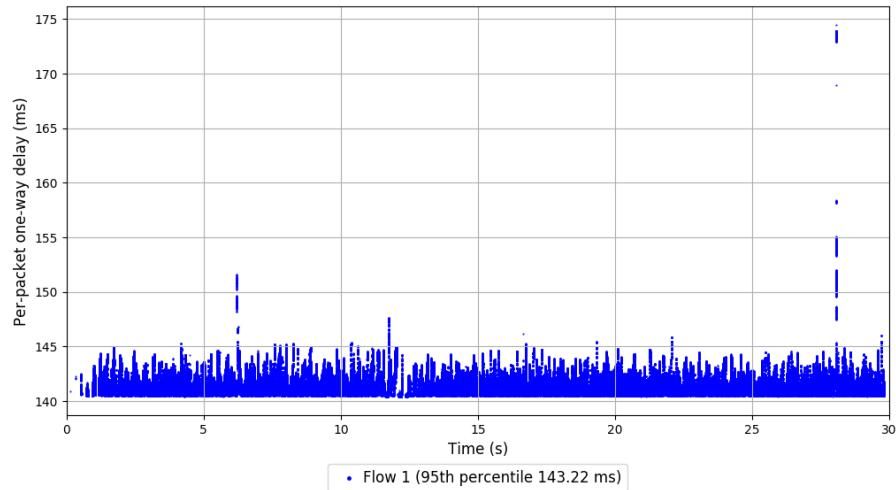
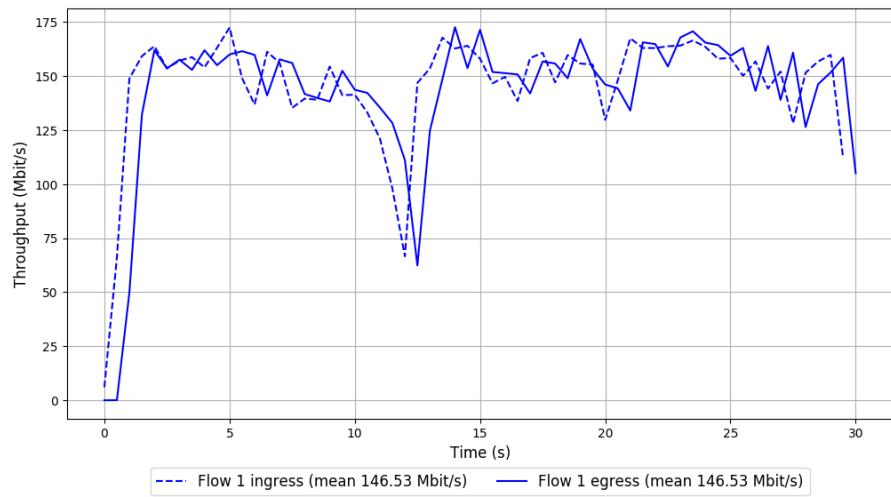


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-22 12:36:44
End at: 2018-05-22 12:37:14
Local clock offset: 1.982 ms
Remote clock offset: -40.945 ms

# Below is generated by plot.py at 2018-05-22 15:01:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.53 Mbit/s
95th percentile per-packet one-way delay: 143.224 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 146.53 Mbit/s
95th percentile per-packet one-way delay: 143.224 ms
Loss rate: 0.65%
```

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

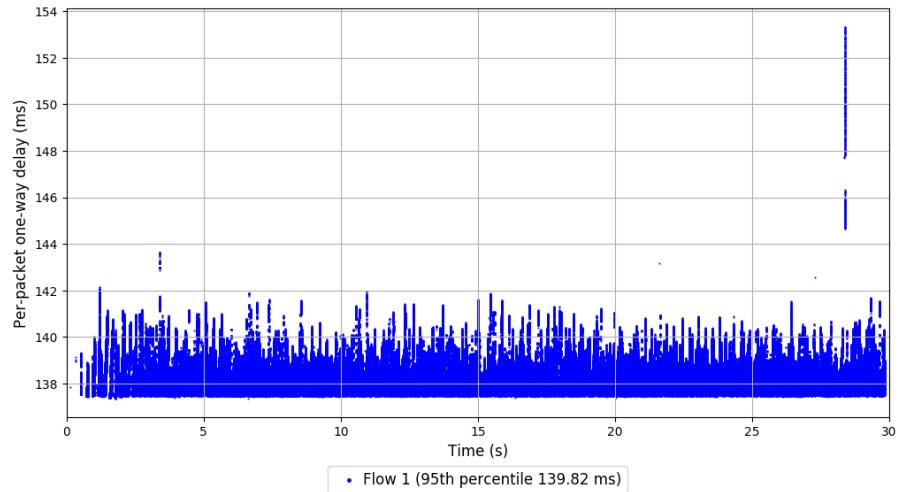
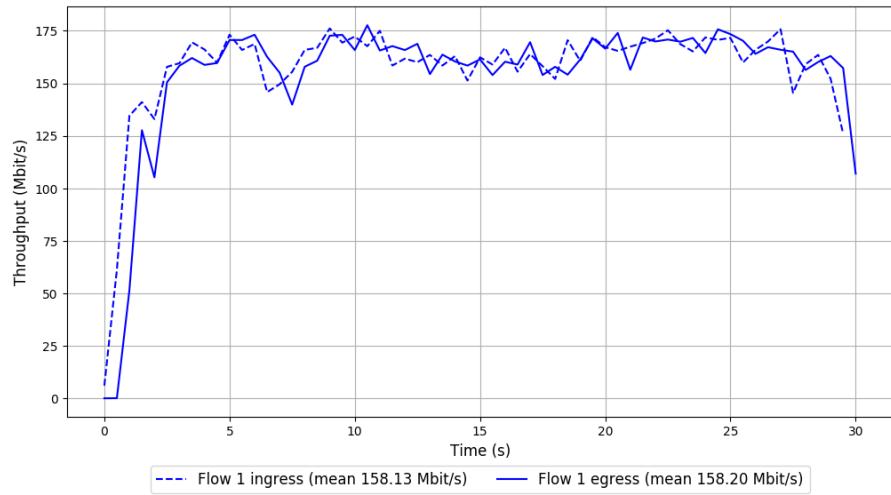


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-22 13:23:58
End at: 2018-05-22 13:24:28
Local clock offset: 1.713 ms
Remote clock offset: -38.302 ms

# Below is generated by plot.py at 2018-05-22 15:01:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.20 Mbit/s
95th percentile per-packet one-way delay: 139.822 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 158.20 Mbit/s
95th percentile per-packet one-way delay: 139.822 ms
Loss rate: 0.61%
```

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

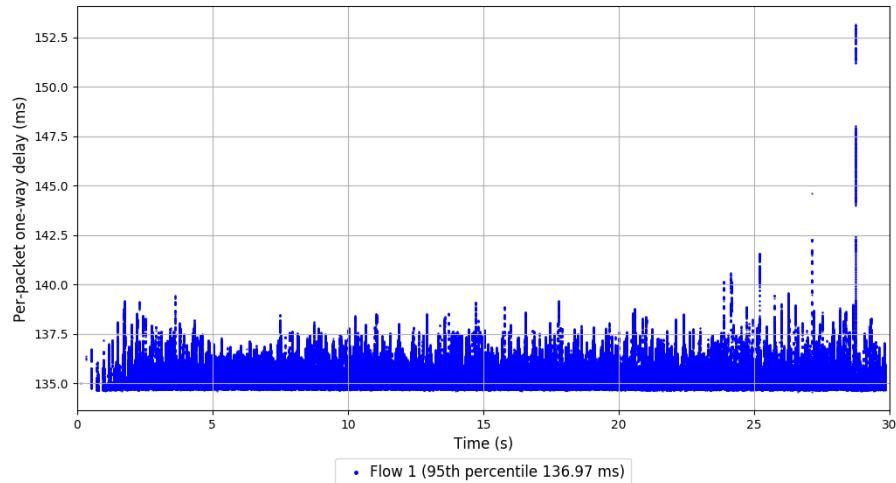
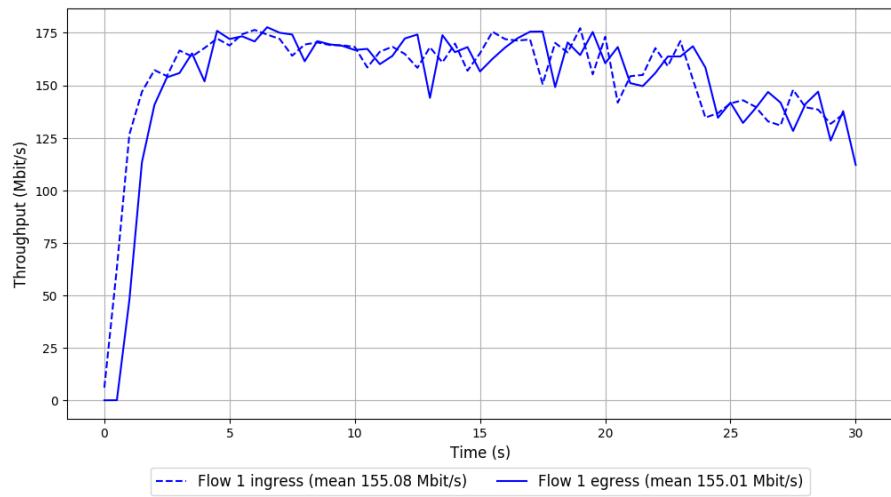


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-22 13:55:54
End at: 2018-05-22 13:56:24
Local clock offset: -0.563 ms
Remote clock offset: -35.513 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.01 Mbit/s
95th percentile per-packet one-way delay: 136.973 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 155.01 Mbit/s
95th percentile per-packet one-way delay: 136.973 ms
Loss rate: 0.69%
```

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

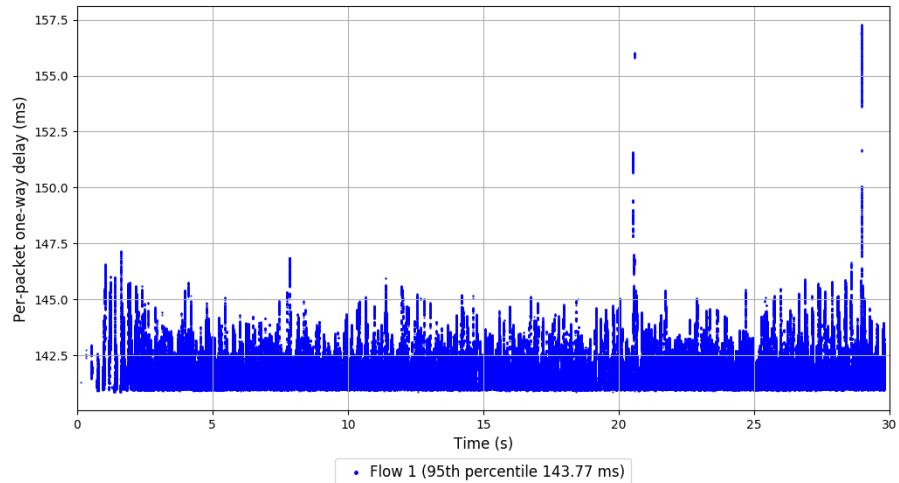
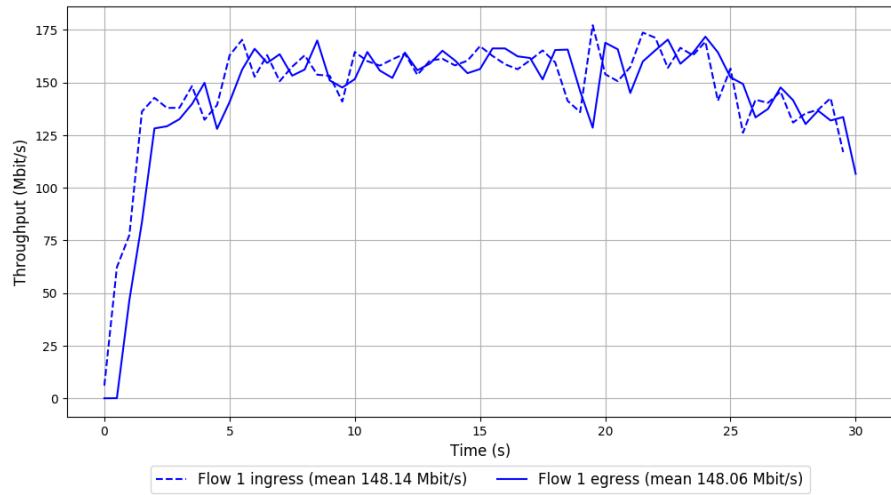


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-22 14:16:25
End at: 2018-05-22 14:16:55
Local clock offset: 2.076 ms
Remote clock offset: -41.051 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.06 Mbit/s
95th percentile per-packet one-way delay: 143.767 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 148.06 Mbit/s
95th percentile per-packet one-way delay: 143.767 ms
Loss rate: 0.70%
```

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

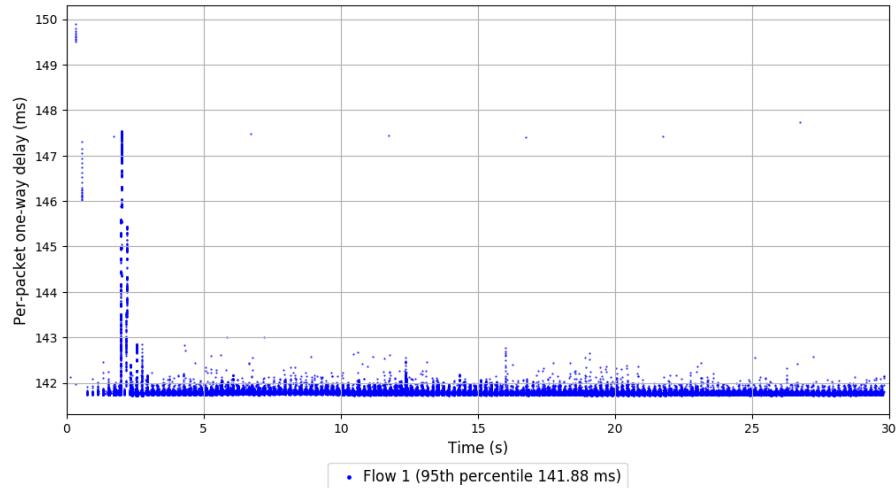
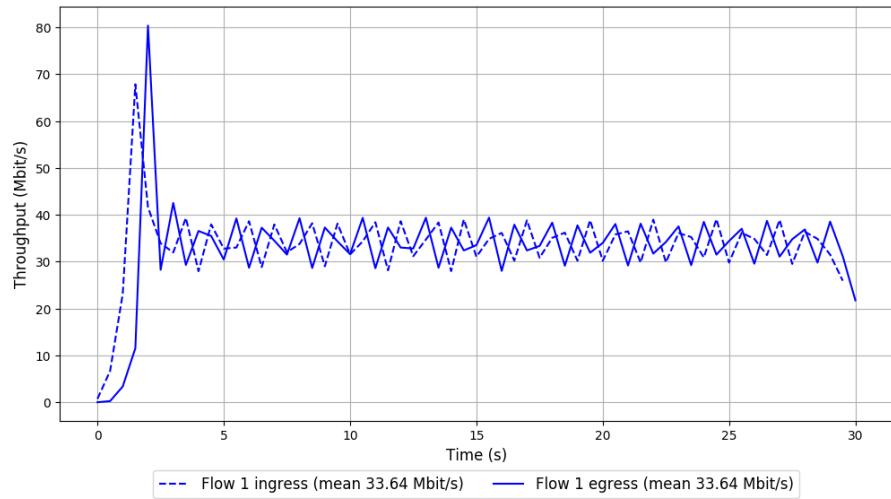


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-22 09:53:41
End at: 2018-05-22 09:54:11
Local clock offset: 0.482 ms
Remote clock offset: -42.394 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 141.882 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 141.882 ms
Loss rate: 0.66%
```

Run 1: Report of TCP Vegas — Data Link

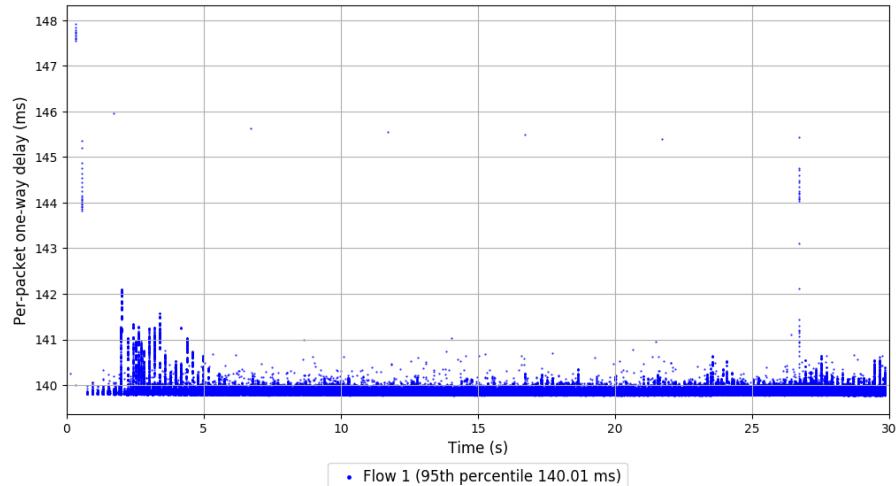
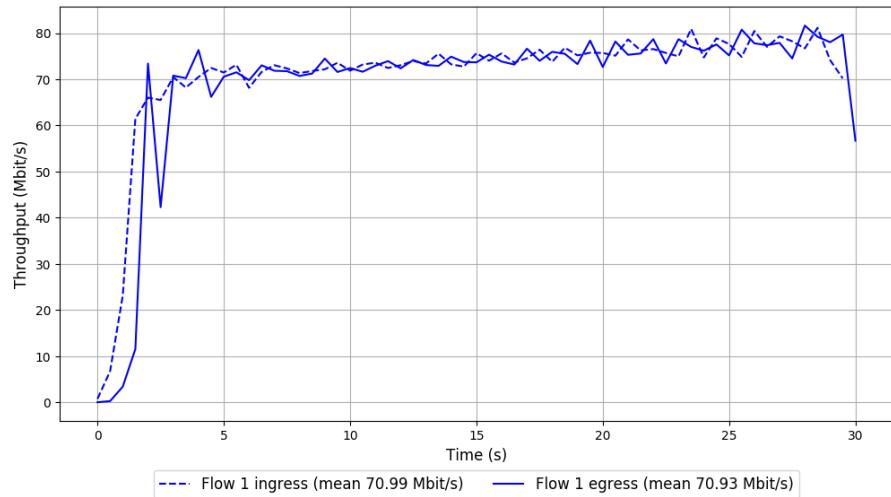


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-22 10:14:13
End at: 2018-05-22 10:14:43
Local clock offset: 0.57 ms
Remote clock offset: -40.897 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 140.012 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 140.012 ms
Loss rate: 0.72%
```

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

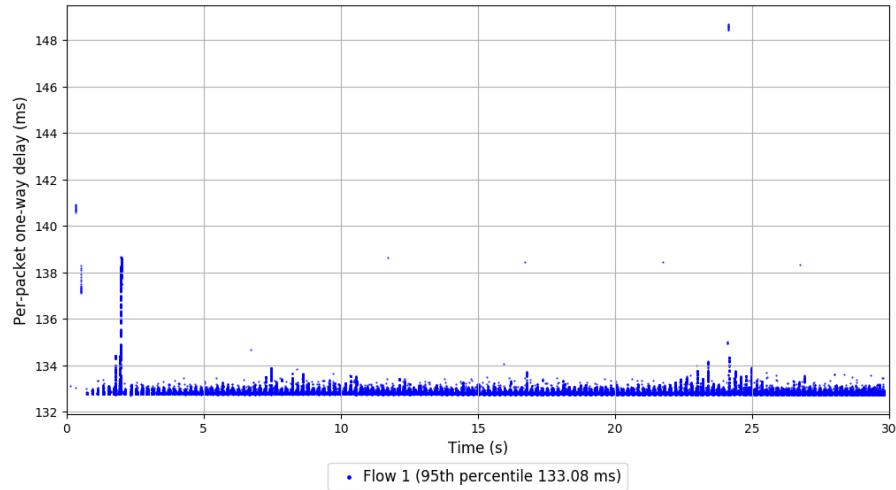
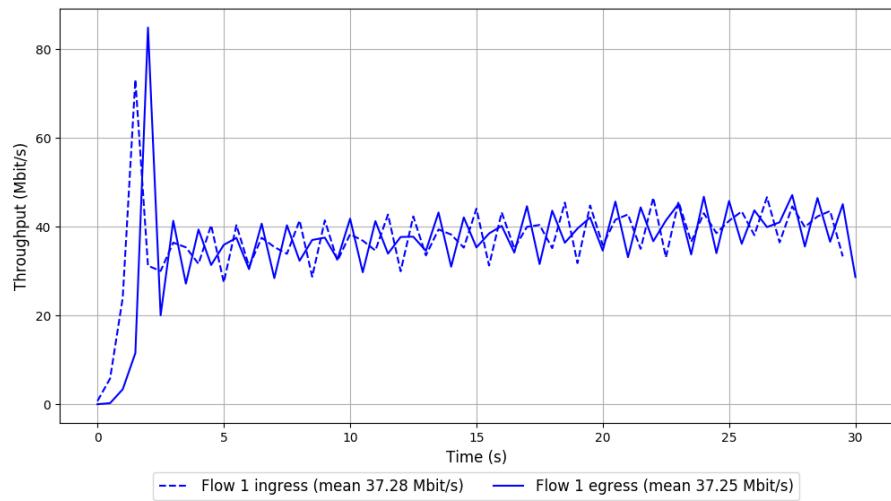


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-22 10:40:31
End at: 2018-05-22 10:41:01
Local clock offset: 2.545 ms
Remote clock offset: -34.656 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 133.080 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 133.080 ms
Loss rate: 0.72%
```

Run 3: Report of TCP Vegas — Data Link

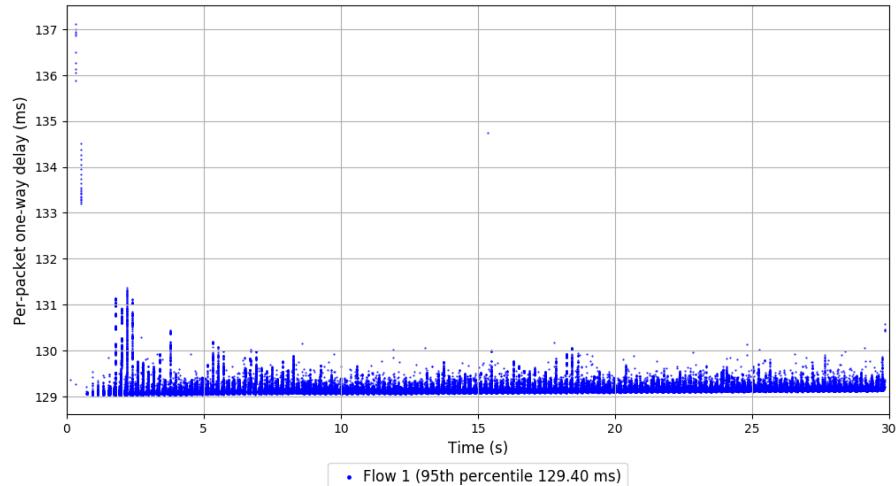
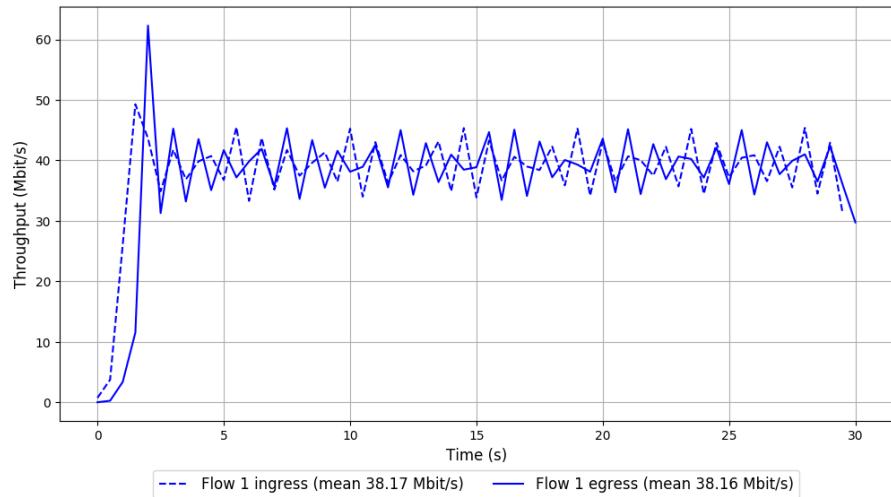


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-22 11:01:07
End at: 2018-05-22 11:01:37
Local clock offset: -0.185 ms
Remote clock offset: -31.412 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 129.397 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 129.397 ms
Loss rate: 0.68%
```

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

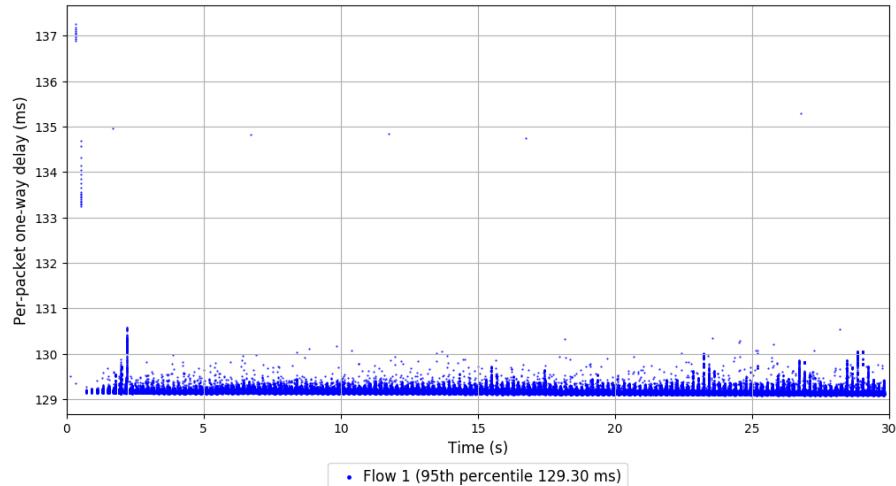
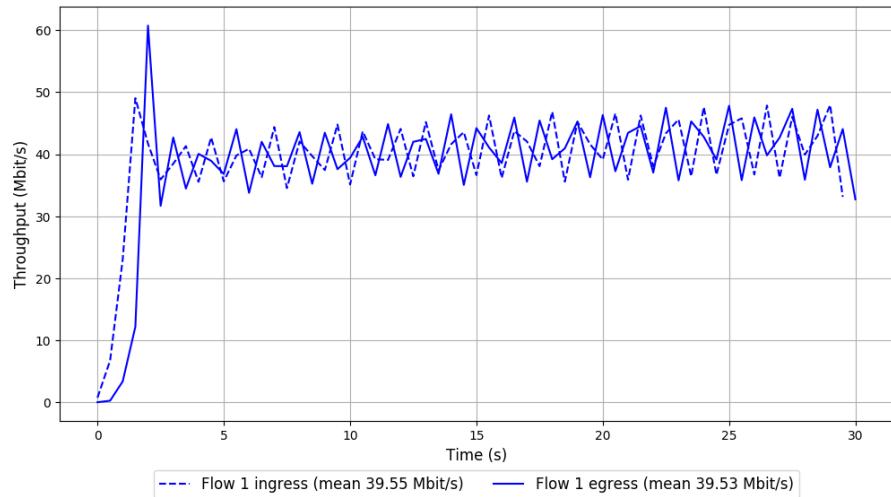


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-22 11:31:20
End at: 2018-05-22 11:31:50
Local clock offset: -1.698 ms
Remote clock offset: -31.502 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 129.299 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 129.299 ms
Loss rate: 0.70%
```

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

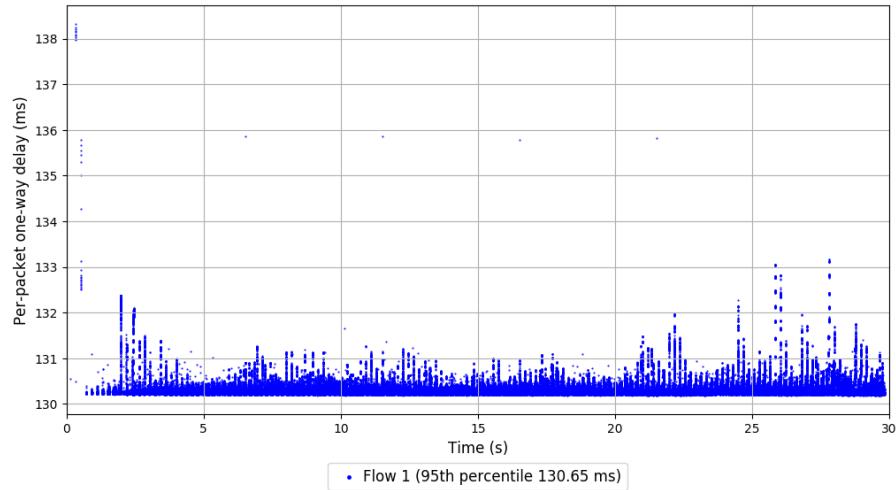
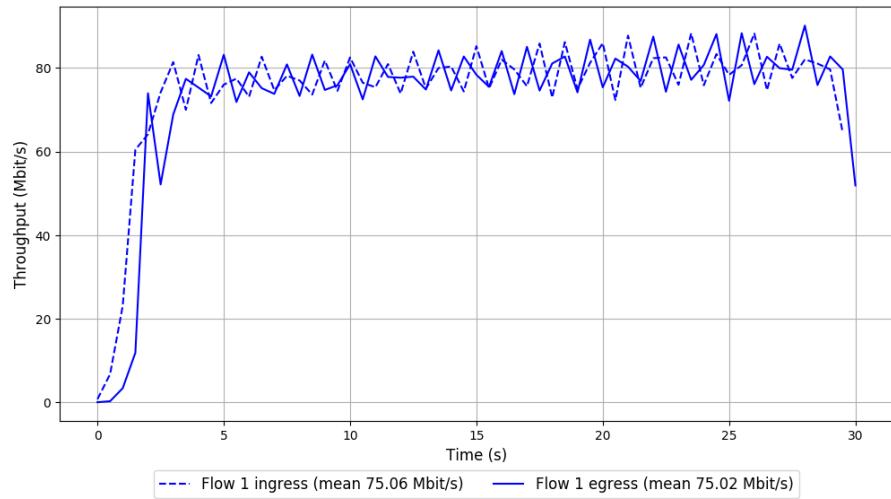


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-22 12:01:43
End at: 2018-05-22 12:02:13
Local clock offset: -0.232 ms
Remote clock offset: -31.896 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 130.654 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 130.654 ms
Loss rate: 0.70%
```

Run 6: Report of TCP Vegas — Data Link

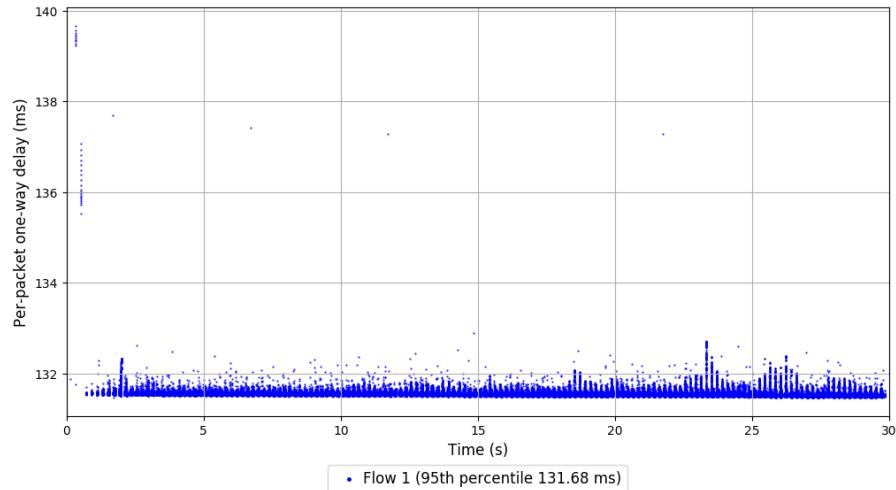
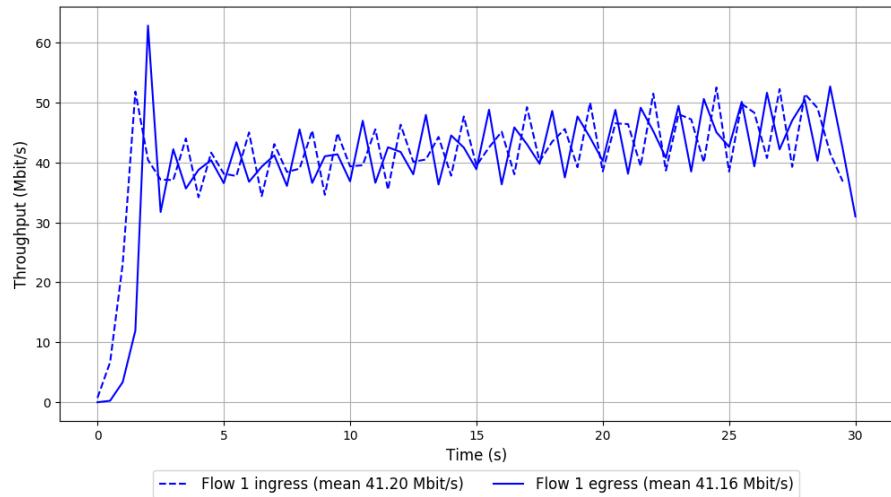


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-22 12:28:14
End at: 2018-05-22 12:28:44
Local clock offset: 0.446 ms
Remote clock offset: -32.947 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.16 Mbit/s
95th percentile per-packet one-way delay: 131.682 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 41.16 Mbit/s
95th percentile per-packet one-way delay: 131.682 ms
Loss rate: 0.74%
```

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

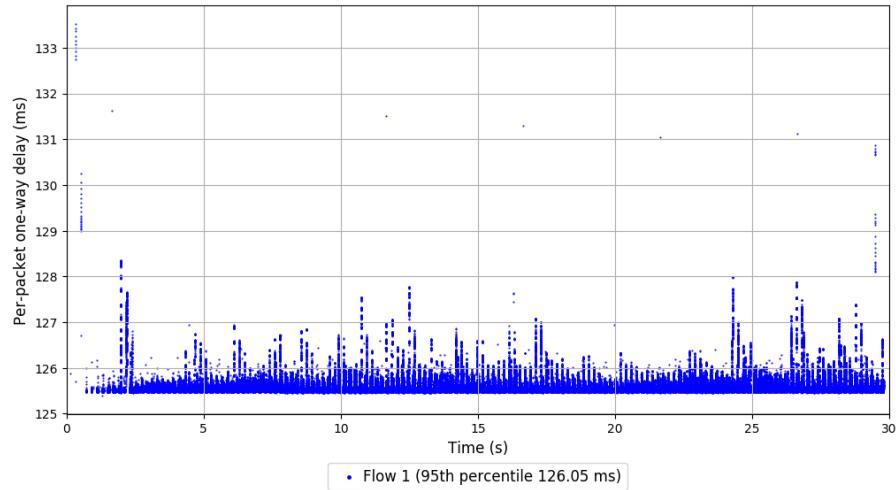
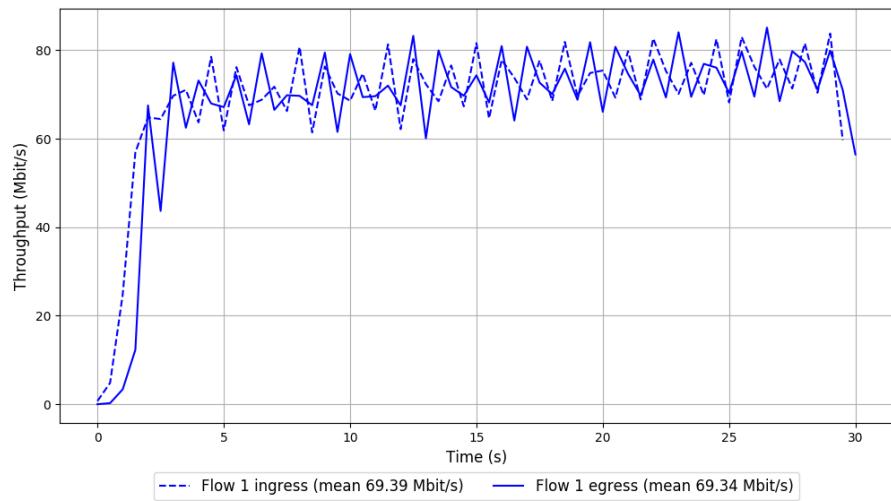


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-22 13:04:12
End at: 2018-05-22 13:04:42
Local clock offset: 1.067 ms
Remote clock offset: -28.563 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 126.049 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 126.049 ms
Loss rate: 0.72%
```

Run 8: Report of TCP Vegas — Data Link

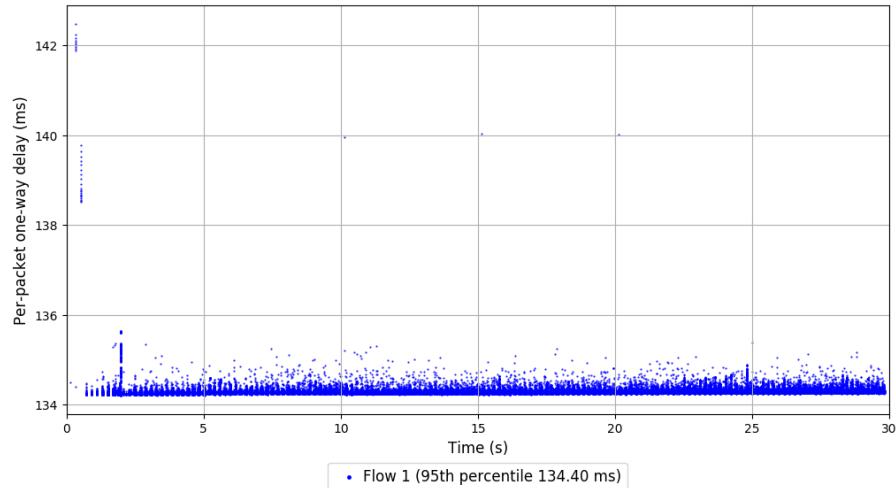
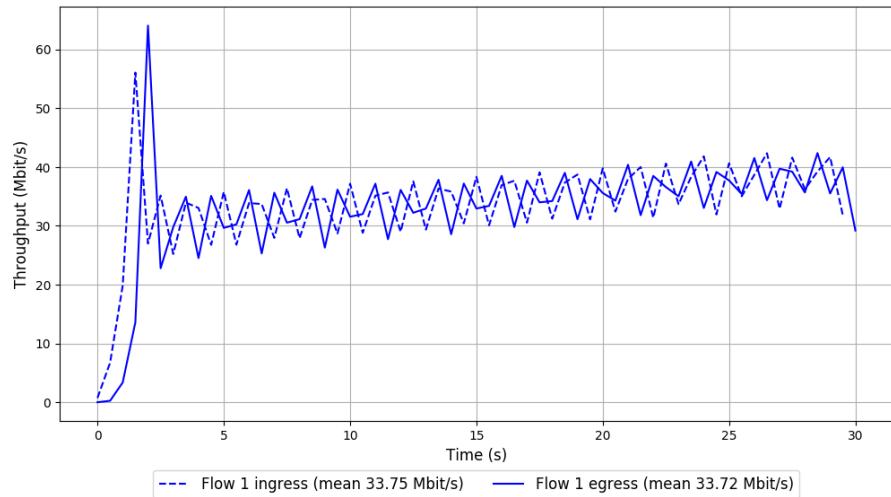


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-22 13:36:10
End at: 2018-05-22 13:36:40
Local clock offset: 1.228 ms
Remote clock offset: -35.685 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 134.395 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 134.395 ms
Loss rate: 0.74%
```

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

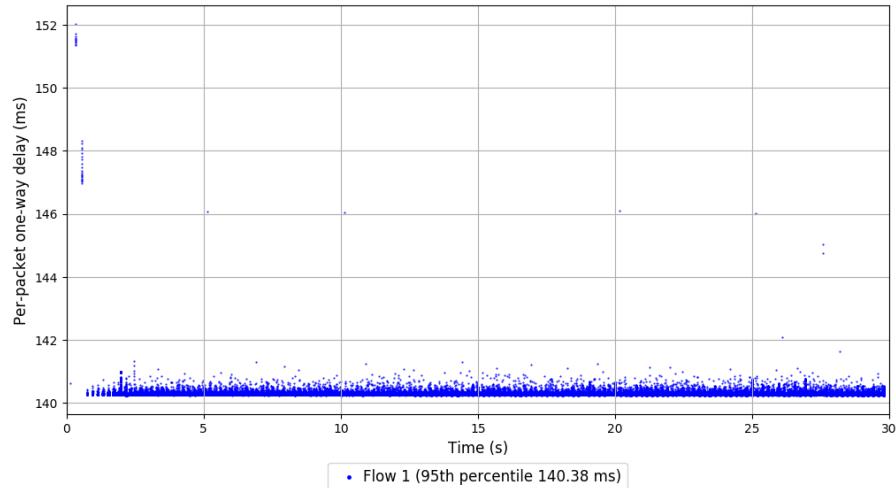
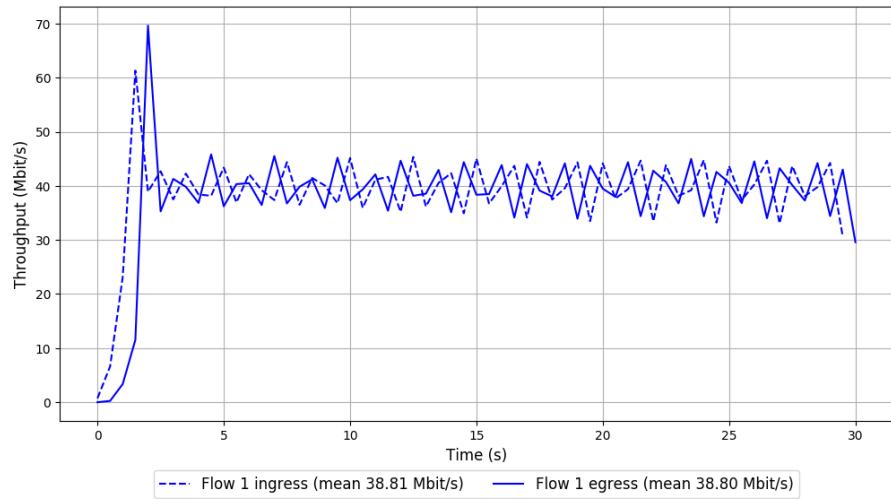


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-22 14:07:54
End at: 2018-05-22 14:08:24
Local clock offset: 2.082 ms
Remote clock offset: -40.225 ms

# Below is generated by plot.py at 2018-05-22 15:03:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 140.385 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 140.385 ms
Loss rate: 0.66%
```

Run 10: Report of TCP Vegas — Data Link

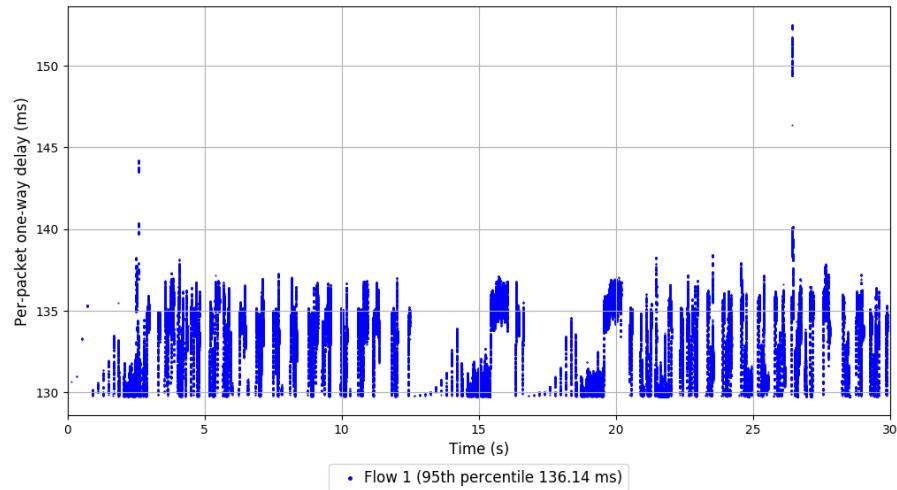
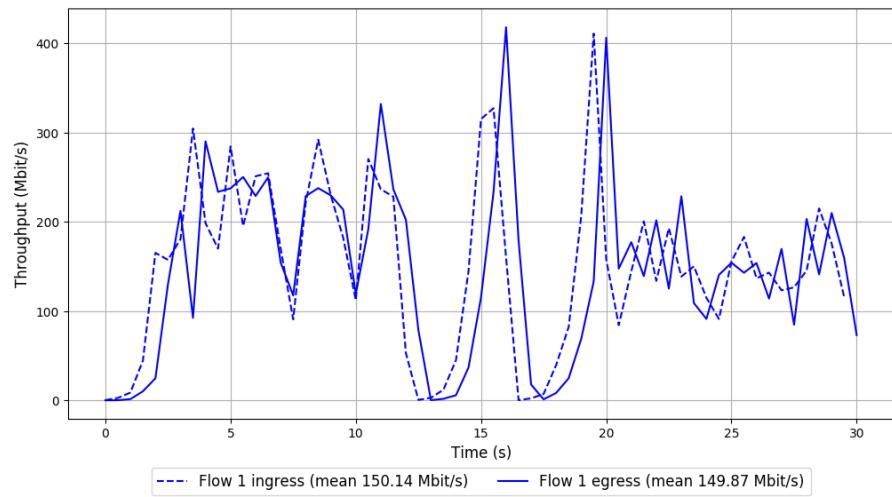


Run 1: Statistics of Verus

```
Start at: 2018-05-22 10:04:54
End at: 2018-05-22 10:05:24
Local clock offset: -1.982 ms
Remote clock offset: -34.695 ms

# Below is generated by plot.py at 2018-05-22 15:03:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.87 Mbit/s
95th percentile per-packet one-way delay: 136.141 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 149.87 Mbit/s
95th percentile per-packet one-way delay: 136.141 ms
Loss rate: 0.76%
```

Run 1: Report of Verus — Data Link

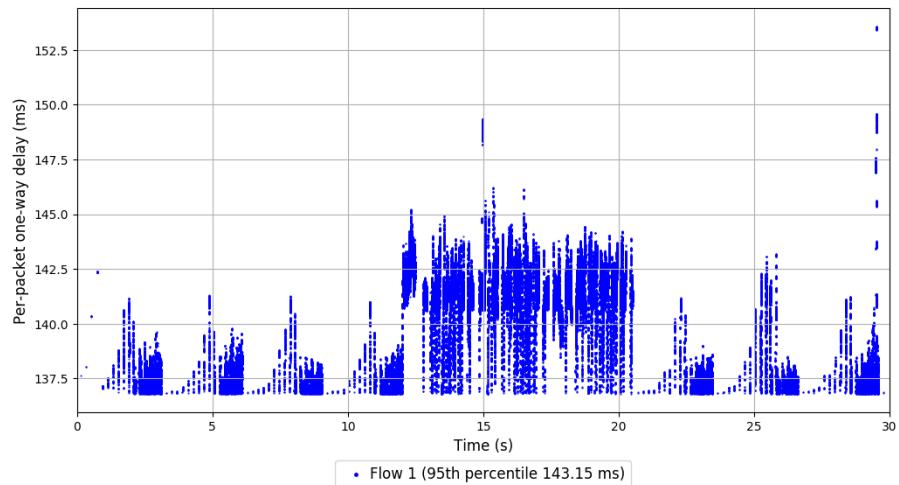
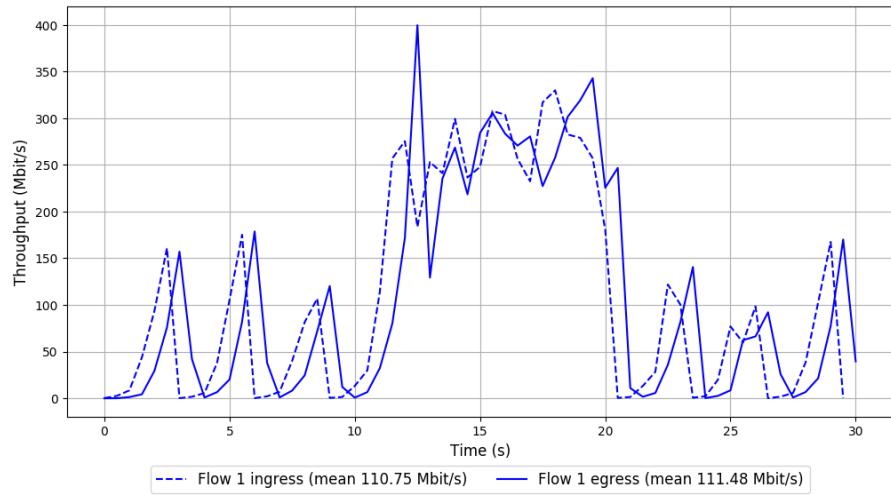


Run 2: Statistics of Verus

```
Start at: 2018-05-22 10:25:34
End at: 2018-05-22 10:26:04
Local clock offset: -1.571 ms
Remote clock offset: -40.359 ms

# Below is generated by plot.py at 2018-05-22 15:03:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.48 Mbit/s
95th percentile per-packet one-way delay: 143.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.48 Mbit/s
95th percentile per-packet one-way delay: 143.152 ms
Loss rate: 0.00%
```

## Run 2: Report of Verus — Data Link

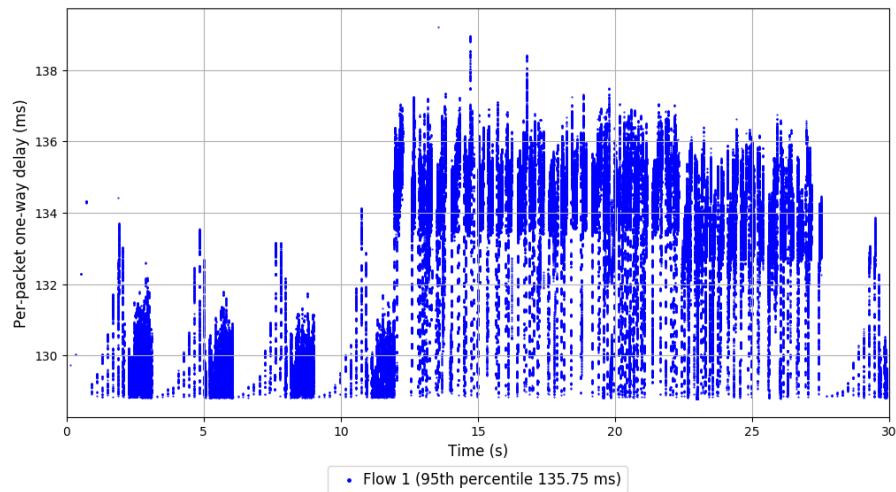
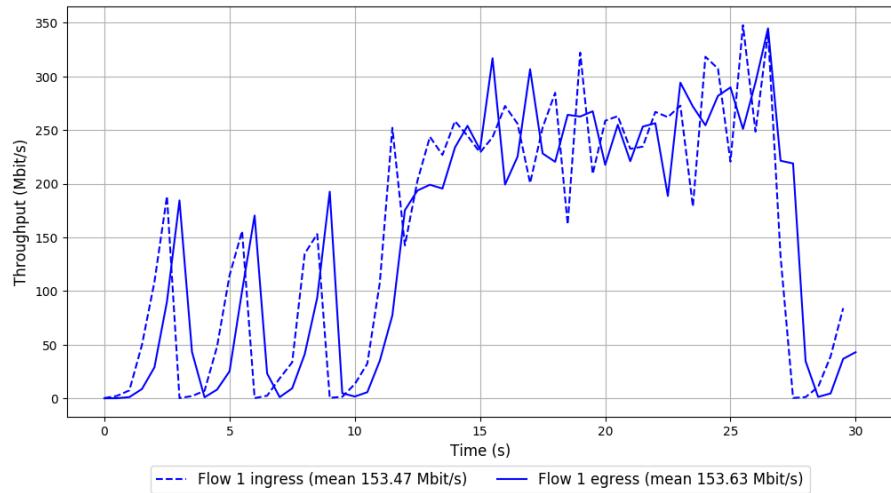


Run 3: Statistics of Verus

```
Start at: 2018-05-22 10:51:46
End at: 2018-05-22 10:52:16
Local clock offset: 1.445 ms
Remote clock offset: -30.737 ms

# Below is generated by plot.py at 2018-05-22 15:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.63 Mbit/s
95th percentile per-packet one-way delay: 135.755 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 153.63 Mbit/s
95th percentile per-packet one-way delay: 135.755 ms
Loss rate: 0.54%
```

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

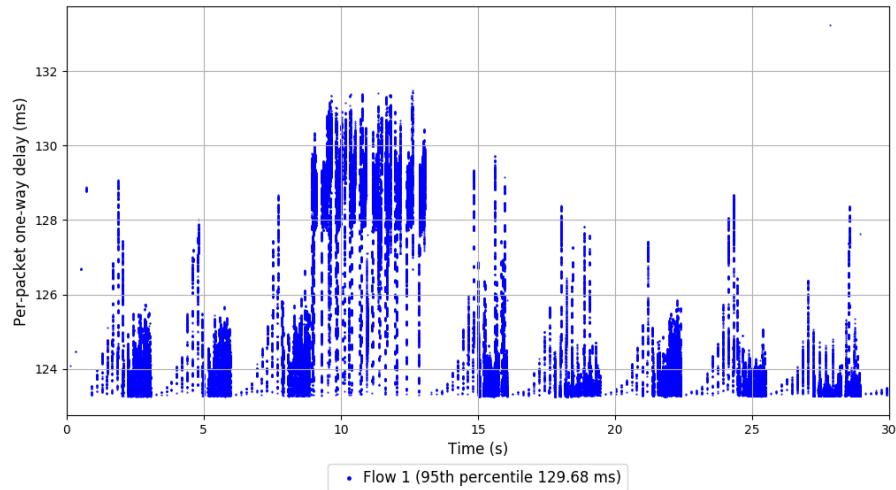
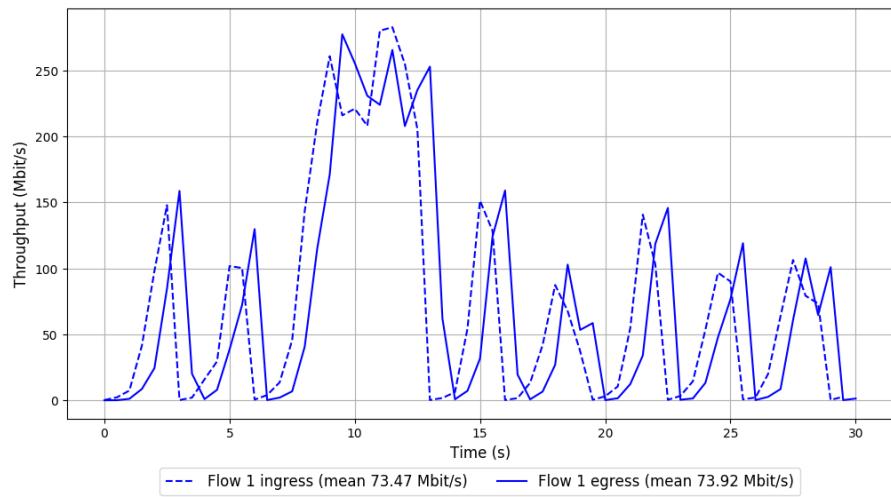


Run 4: Statistics of Verus

```
Start at: 2018-05-22 11:22:03
End at: 2018-05-22 11:22:33
Local clock offset: -1.377 ms
Remote clock offset: -26.458 ms

# Below is generated by plot.py at 2018-05-22 15:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.92 Mbit/s
95th percentile per-packet one-way delay: 129.678 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 73.92 Mbit/s
95th percentile per-packet one-way delay: 129.678 ms
Loss rate: 0.04%
```

Run 4: Report of Verus — Data Link

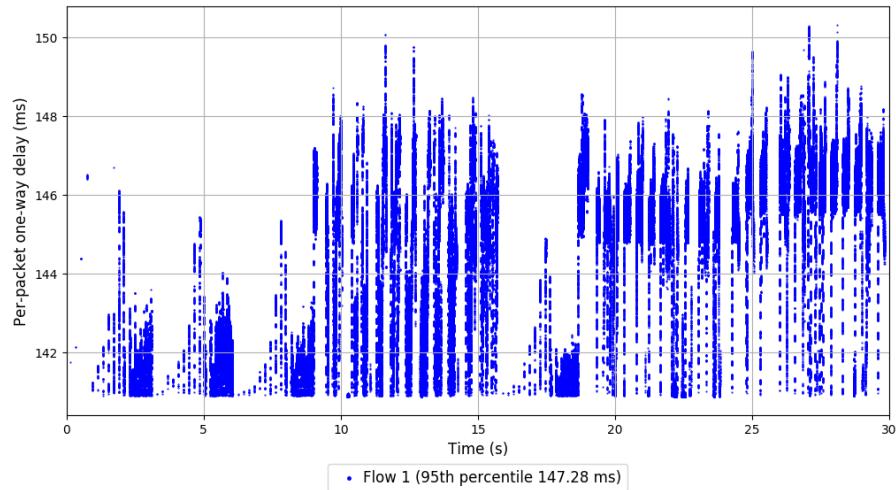
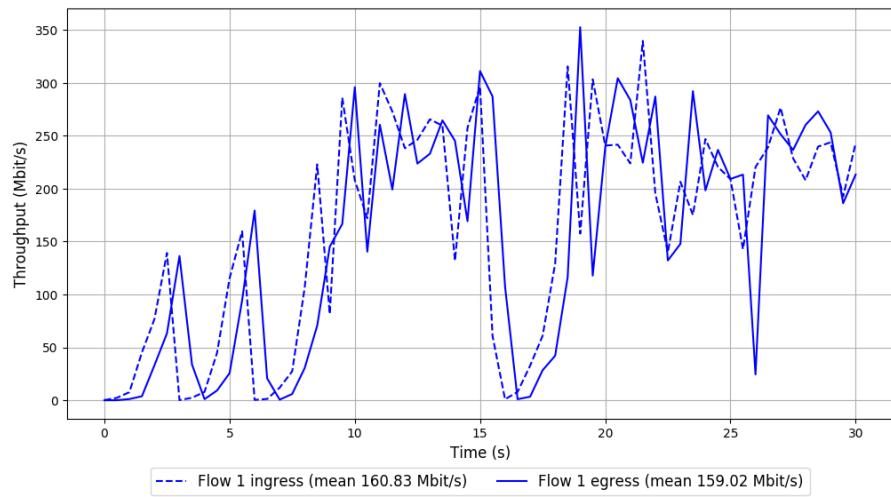


Run 5: Statistics of Verus

```
Start at: 2018-05-22 11:42:38
End at: 2018-05-22 11:43:08
Local clock offset: 1.405 ms
Remote clock offset: -42.147 ms

# Below is generated by plot.py at 2018-05-22 15:04:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.02 Mbit/s
95th percentile per-packet one-way delay: 147.285 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 159.02 Mbit/s
95th percentile per-packet one-way delay: 147.285 ms
Loss rate: 2.92%
```

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

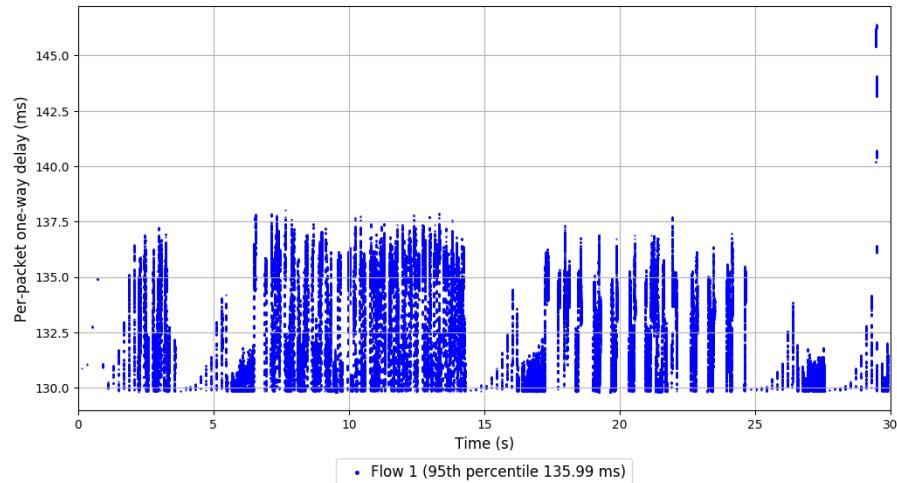
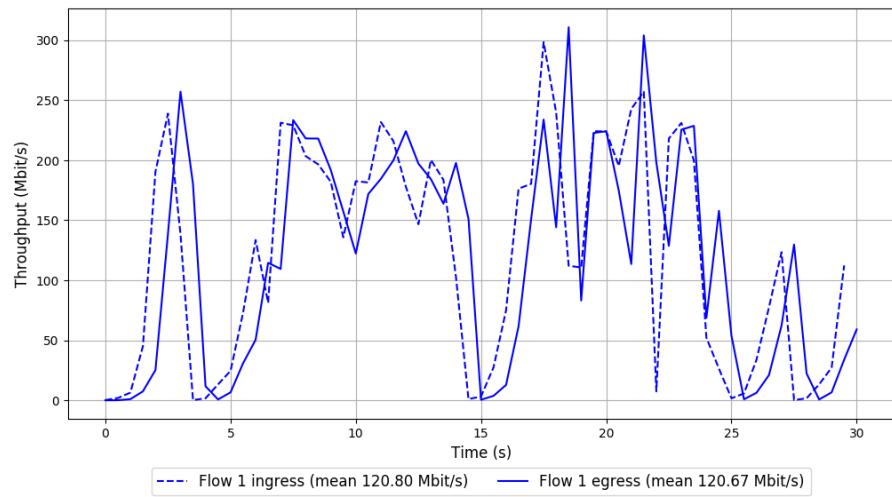


Run 6: Statistics of Verus

```
Start at: 2018-05-22 12:18:54
End at: 2018-05-22 12:19:24
Local clock offset: 1.289 ms
Remote clock offset: -31.696 ms

# Below is generated by plot.py at 2018-05-22 15:04:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 135.992 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 135.992 ms
Loss rate: 0.75%
```

Run 6: Report of Verus — Data Link

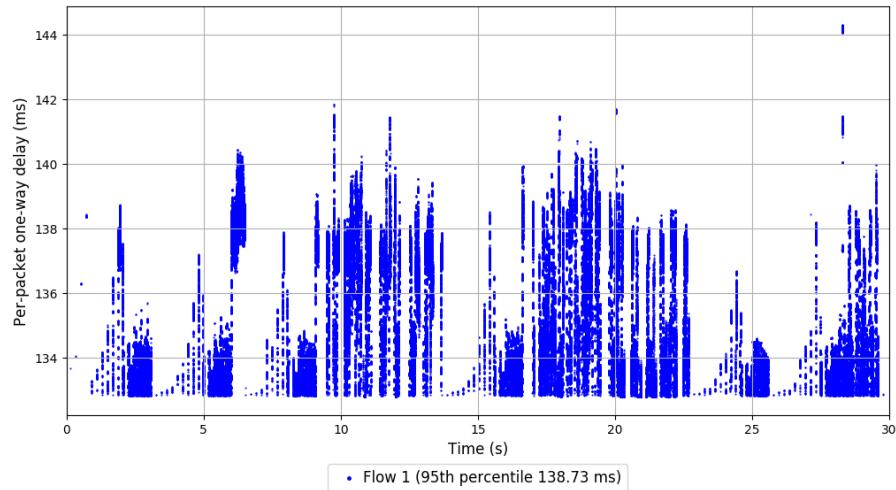
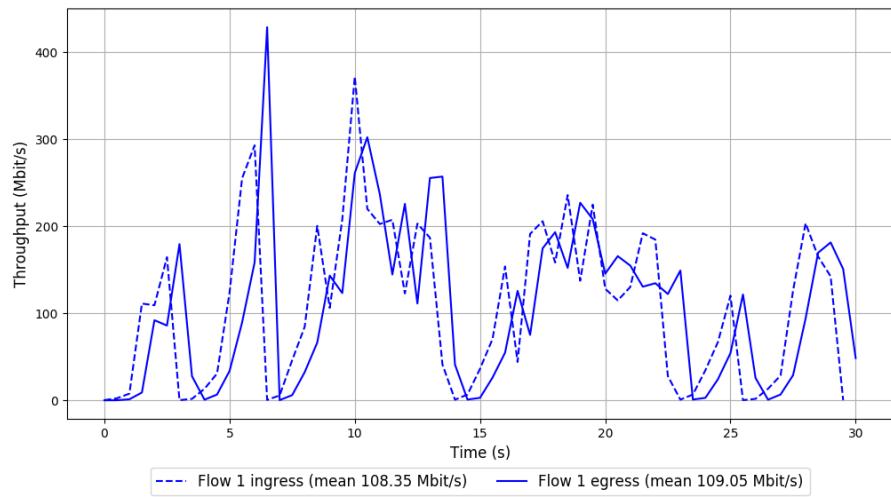


Run 7: Statistics of Verus

```
Start at: 2018-05-22 12:49:17
End at: 2018-05-22 12:49:47
Local clock offset: 2.263 ms
Remote clock offset: -34.703 ms

# Below is generated by plot.py at 2018-05-22 15:04:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.05 Mbit/s
95th percentile per-packet one-way delay: 138.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.05 Mbit/s
95th percentile per-packet one-way delay: 138.726 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

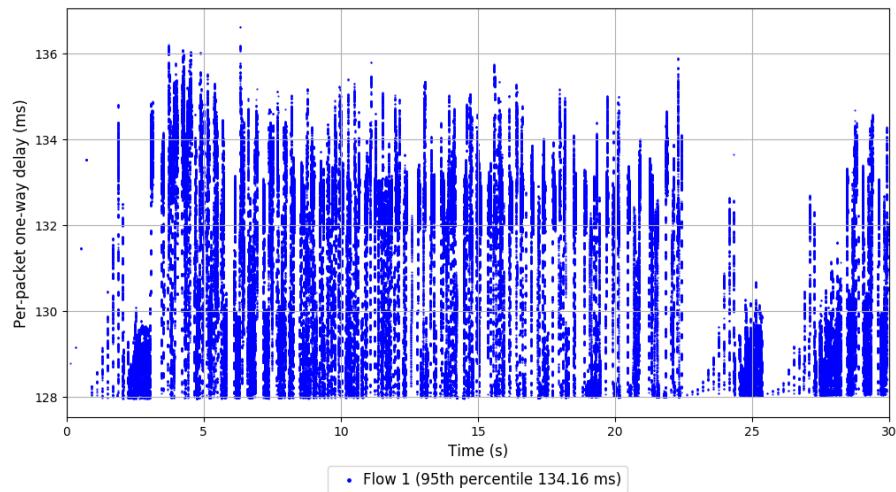
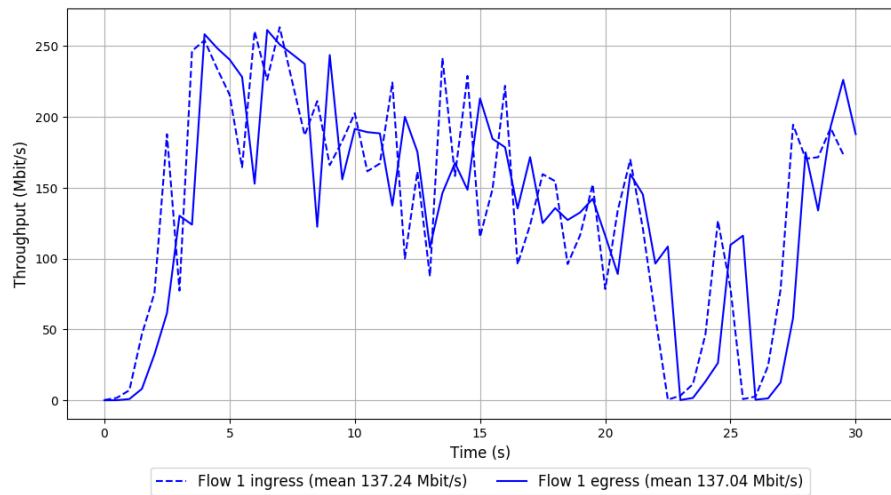


Run 8: Statistics of Verus

```
Start at: 2018-05-22 13:26:49
End at: 2018-05-22 13:27:19
Local clock offset: 4.183 ms
Remote clock offset: -27.648 ms

# Below is generated by plot.py at 2018-05-22 15:04:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 137.04 Mbit/s
95th percentile per-packet one-way delay: 134.158 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 137.04 Mbit/s
95th percentile per-packet one-way delay: 134.158 ms
Loss rate: 0.24%
```

Run 8: Report of Verus — Data Link

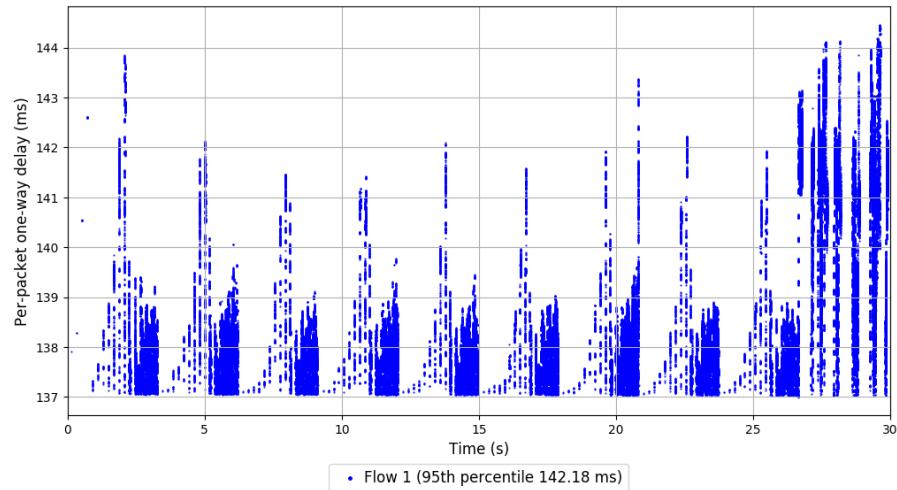
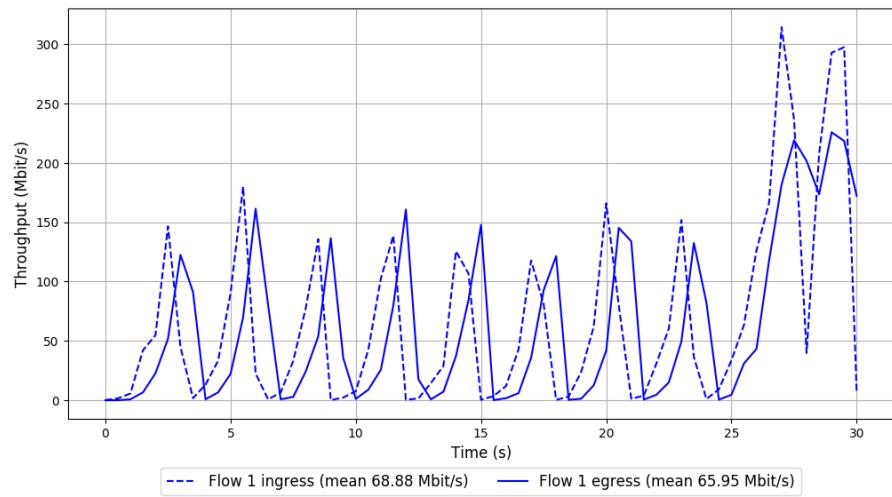


Run 9: Statistics of Verus

```
Start at: 2018-05-22 13:58:39
End at: 2018-05-22 13:59:09
Local clock offset: 0.708 ms
Remote clock offset: -38.194 ms

# Below is generated by plot.py at 2018-05-22 15:04:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 142.183 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 142.183 ms
Loss rate: 4.98%
```

Run 9: Report of Verus — Data Link

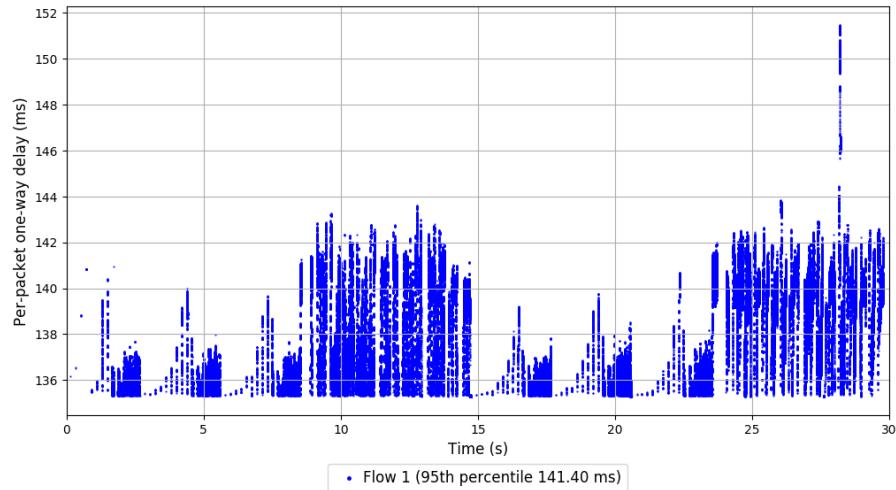
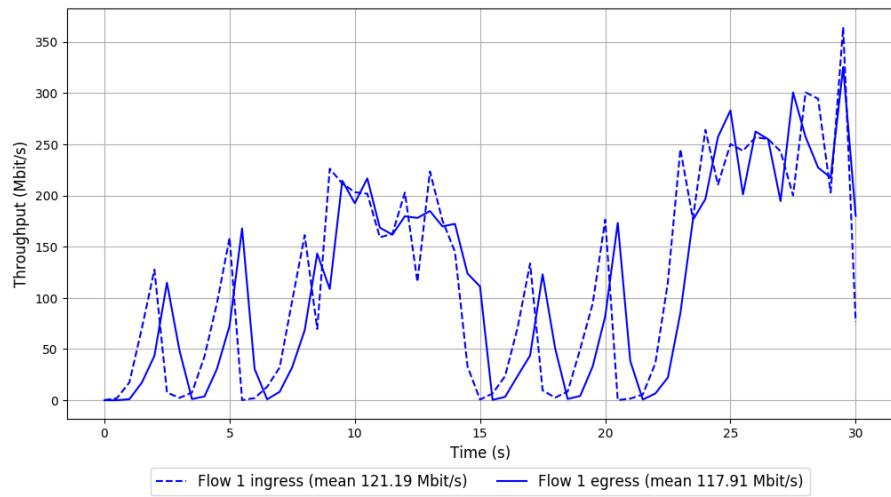


Run 10: Statistics of Verus

```
Start at: 2018-05-22 14:19:15
End at: 2018-05-22 14:19:45
Local clock offset: 2.285 ms
Remote clock offset: -35.211 ms

# Below is generated by plot.py at 2018-05-22 15:04:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.91 Mbit/s
95th percentile per-packet one-way delay: 141.402 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 117.91 Mbit/s
95th percentile per-packet one-way delay: 141.402 ms
Loss rate: 4.05%
```

Run 10: Report of Verus — Data Link

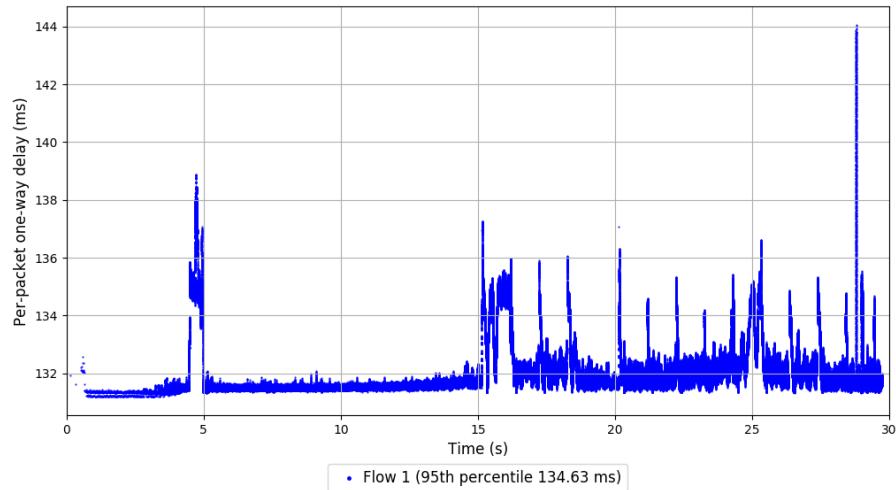
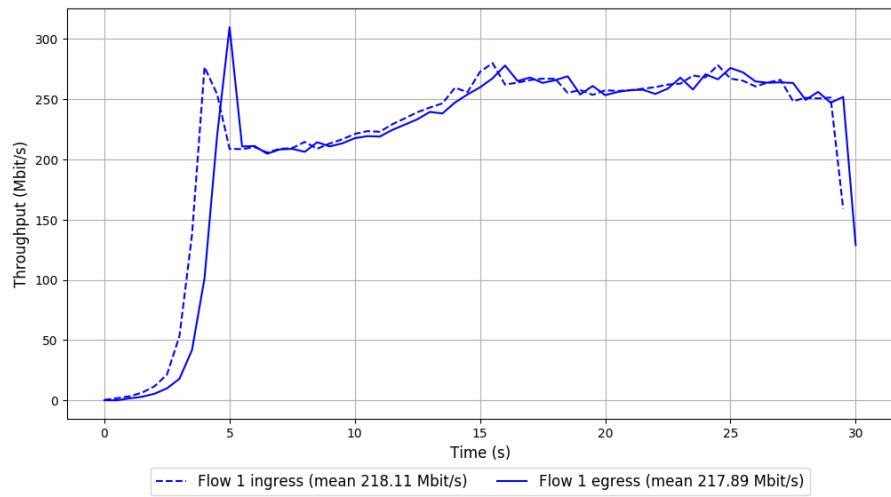


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-05-22 10:06:14
End at: 2018-05-22 10:06:44
Local clock offset: 0.394 ms
Remote clock offset: -33.997 ms

# Below is generated by plot.py at 2018-05-22 15:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.89 Mbit/s
95th percentile per-packet one-way delay: 134.633 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 217.89 Mbit/s
95th percentile per-packet one-way delay: 134.633 ms
Loss rate: 0.74%
```

Run 1: Report of PCC-Vivace — Data Link

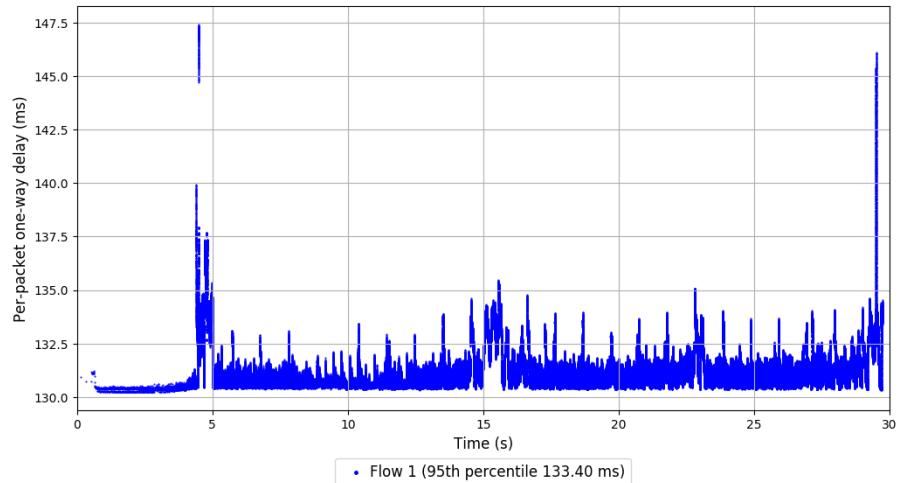
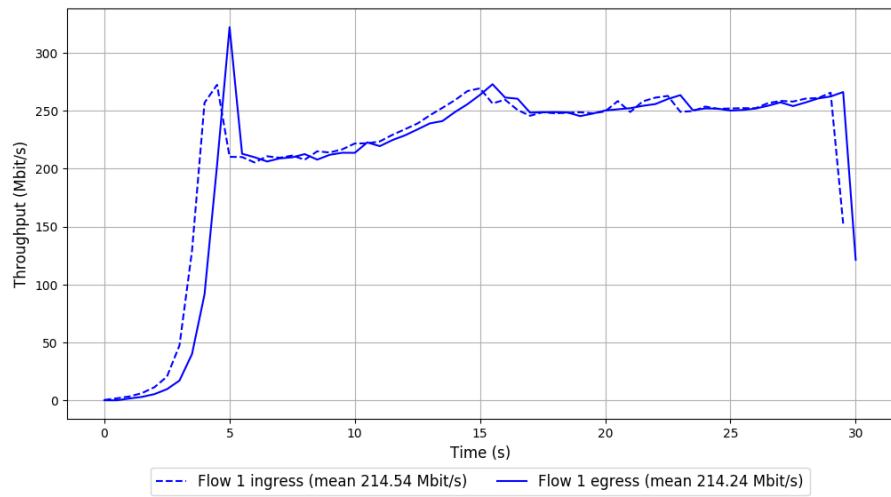


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-22 10:26:51
End at: 2018-05-22 10:27:21
Local clock offset: 0.194 ms
Remote clock offset: -33.829 ms

# Below is generated by plot.py at 2018-05-22 15:06:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.24 Mbit/s
95th percentile per-packet one-way delay: 133.404 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 214.24 Mbit/s
95th percentile per-packet one-way delay: 133.404 ms
Loss rate: 0.79%
```

Run 2: Report of PCC-Vivace — Data Link

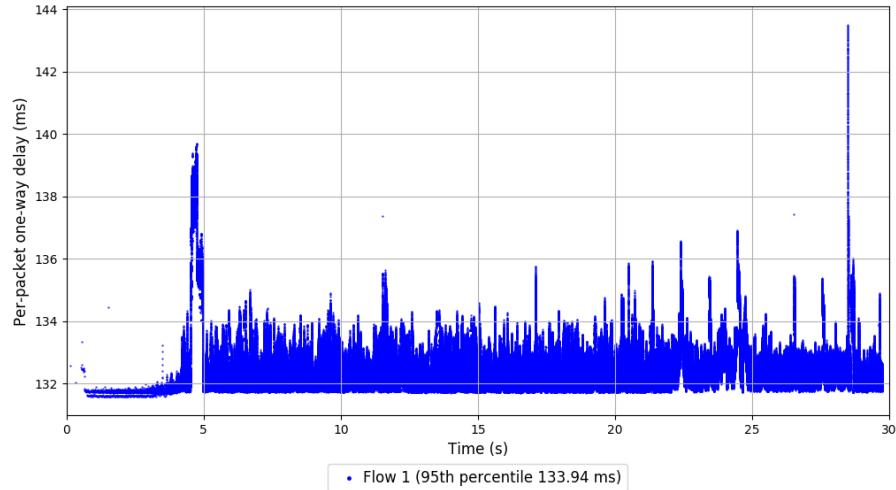
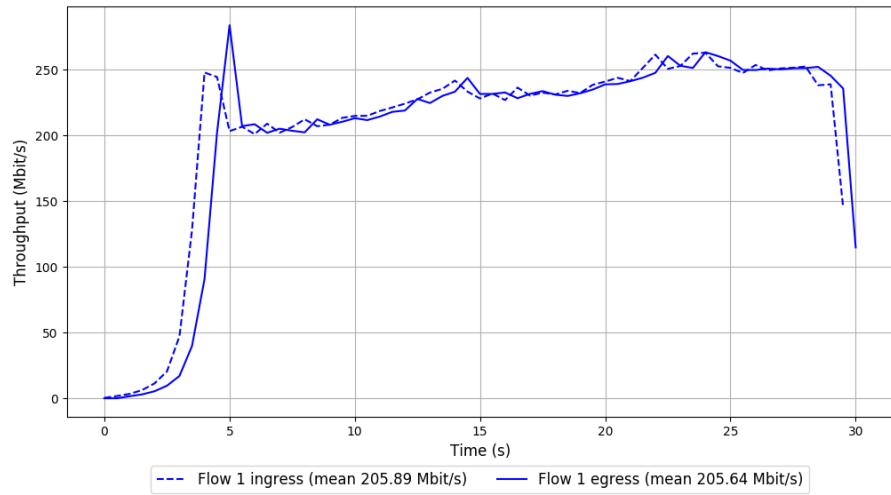


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-22 10:53:06
End at: 2018-05-22 10:53:36
Local clock offset: 1.506 ms
Remote clock offset: -35.165 ms

# Below is generated by plot.py at 2018-05-22 15:06:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.64 Mbit/s
95th percentile per-packet one-way delay: 133.937 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 205.64 Mbit/s
95th percentile per-packet one-way delay: 133.937 ms
Loss rate: 0.76%
```

Run 3: Report of PCC-Vivace — Data Link

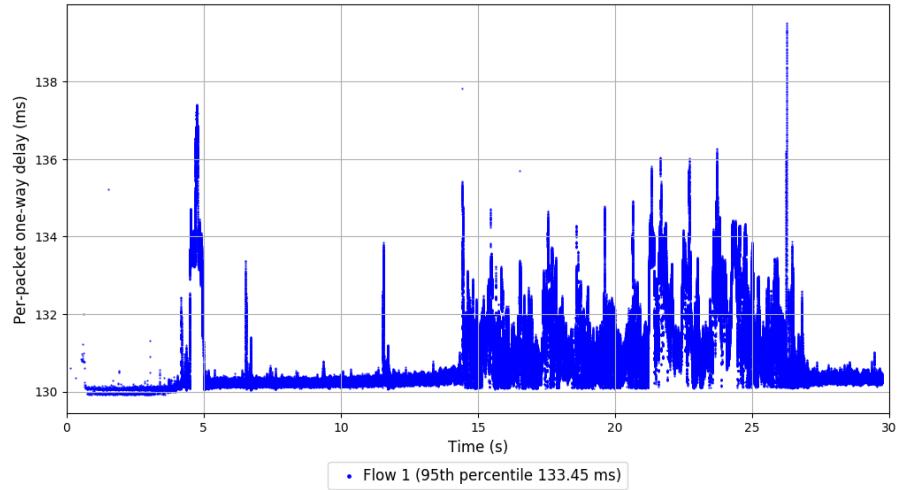
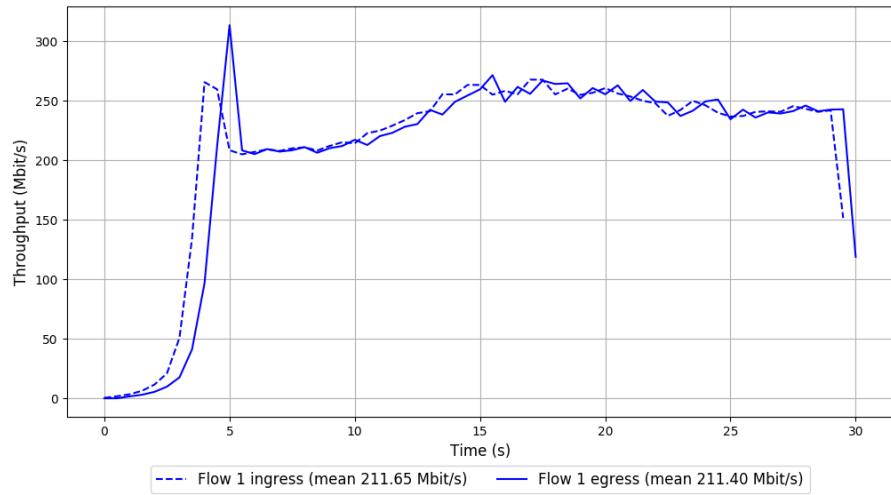


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-22 11:23:18
End at: 2018-05-22 11:23:48
Local clock offset: -2.229 ms
Remote clock offset: -32.562 ms

# Below is generated by plot.py at 2018-05-22 15:07:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.40 Mbit/s
95th percentile per-packet one-way delay: 133.453 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 211.40 Mbit/s
95th percentile per-packet one-way delay: 133.453 ms
Loss rate: 0.76%
```

Run 4: Report of PCC-Vivace — Data Link

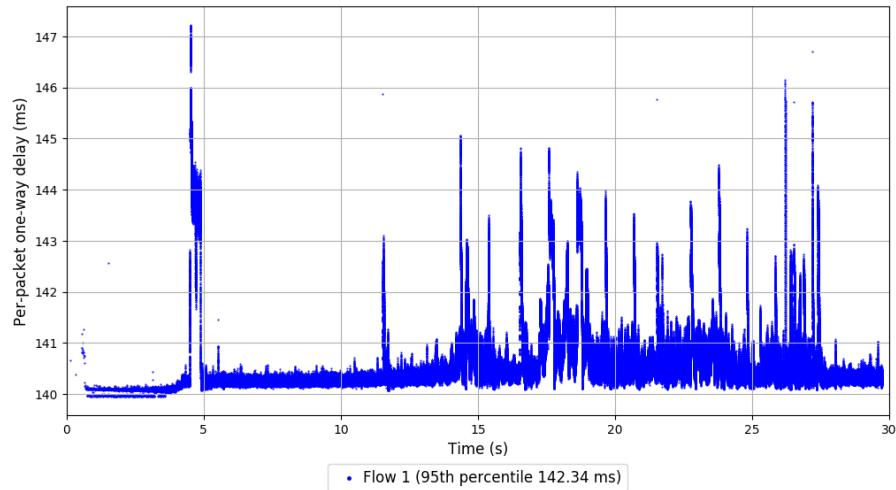
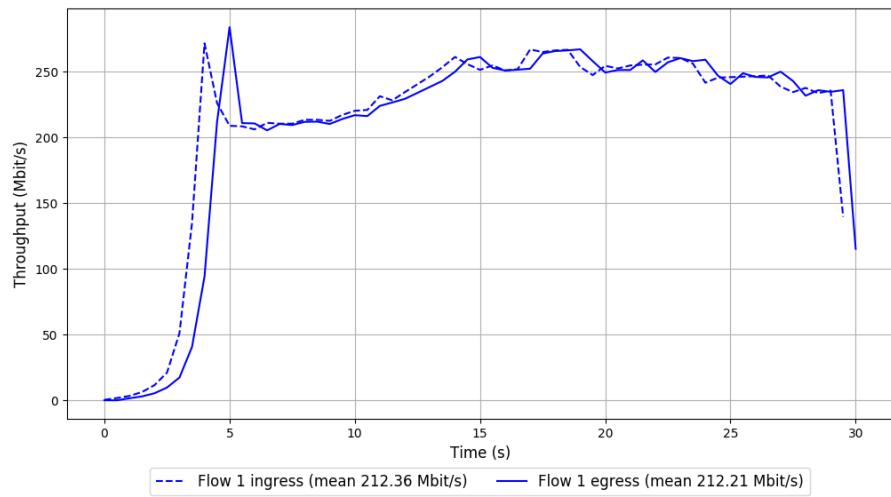


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-22 11:43:59
End at: 2018-05-22 11:44:29
Local clock offset: -1.324 ms
Remote clock offset: -42.705 ms

# Below is generated by plot.py at 2018-05-22 15:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.21 Mbit/s
95th percentile per-packet one-way delay: 142.340 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 212.21 Mbit/s
95th percentile per-packet one-way delay: 142.340 ms
Loss rate: 0.72%
```

Run 5: Report of PCC-Vivace — Data Link

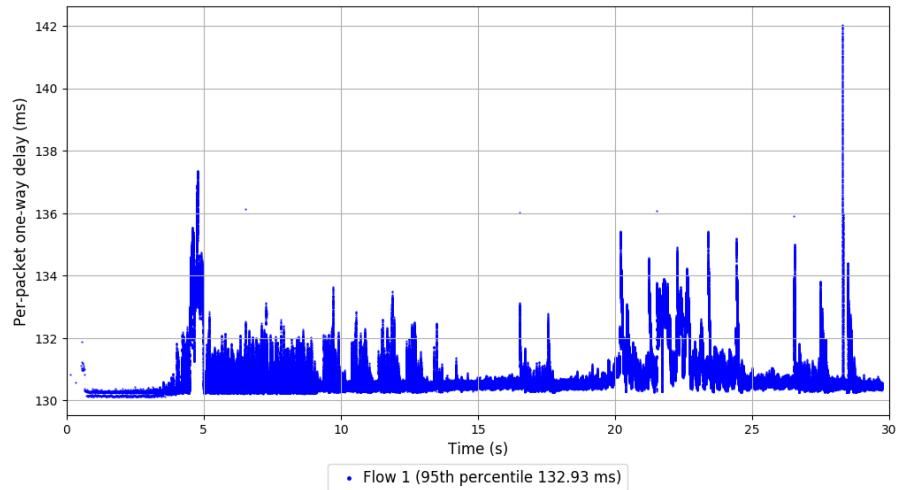
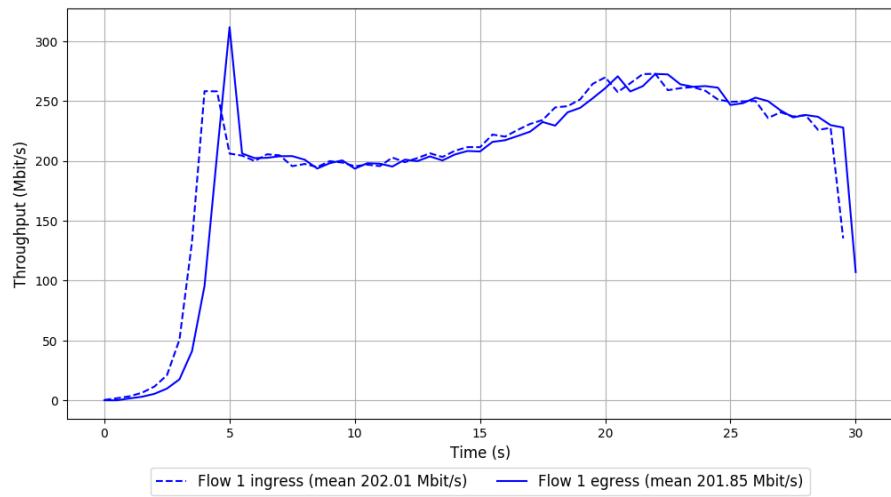


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-22 12:20:12
End at: 2018-05-22 12:20:42
Local clock offset: 2.014 ms
Remote clock offset: -30.002 ms

# Below is generated by plot.py at 2018-05-22 15:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.85 Mbit/s
95th percentile per-packet one-way delay: 132.926 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 201.85 Mbit/s
95th percentile per-packet one-way delay: 132.926 ms
Loss rate: 0.73%
```

Run 6: Report of PCC-Vivace — Data Link

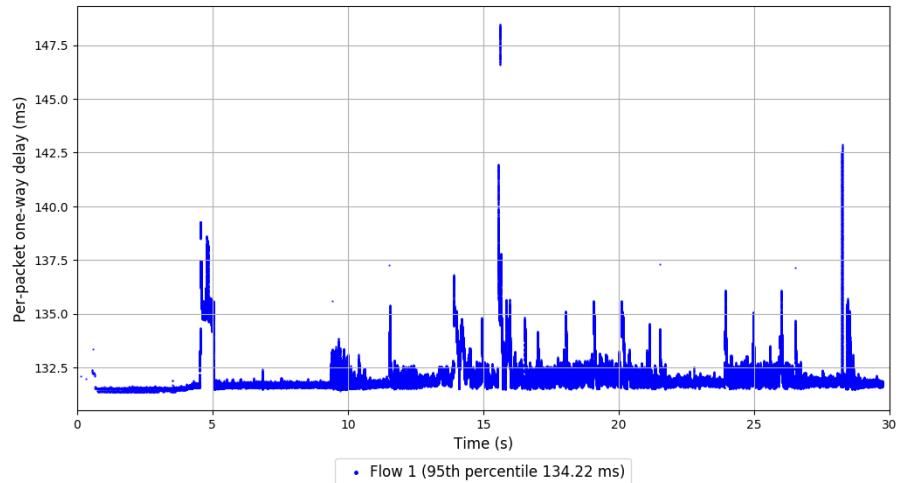
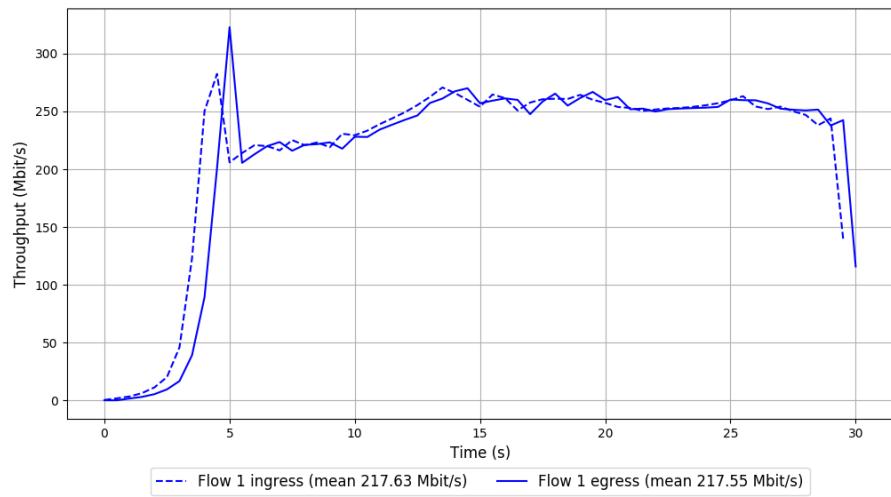


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-22 12:50:34
End at: 2018-05-22 12:51:04
Local clock offset: 1.26 ms
Remote clock offset: -32.933 ms

# Below is generated by plot.py at 2018-05-22 15:07:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.55 Mbit/s
95th percentile per-packet one-way delay: 134.218 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 217.55 Mbit/s
95th percentile per-packet one-way delay: 134.218 ms
Loss rate: 0.69%
```

Run 7: Report of PCC-Vivace — Data Link

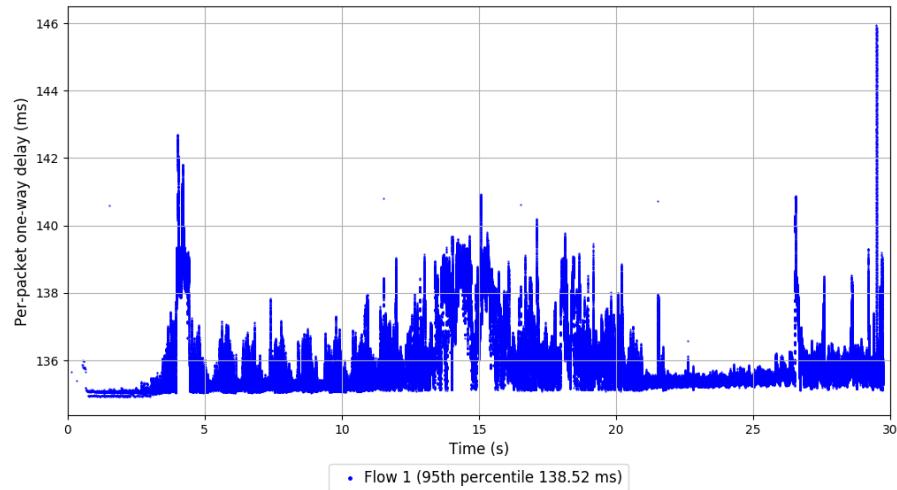
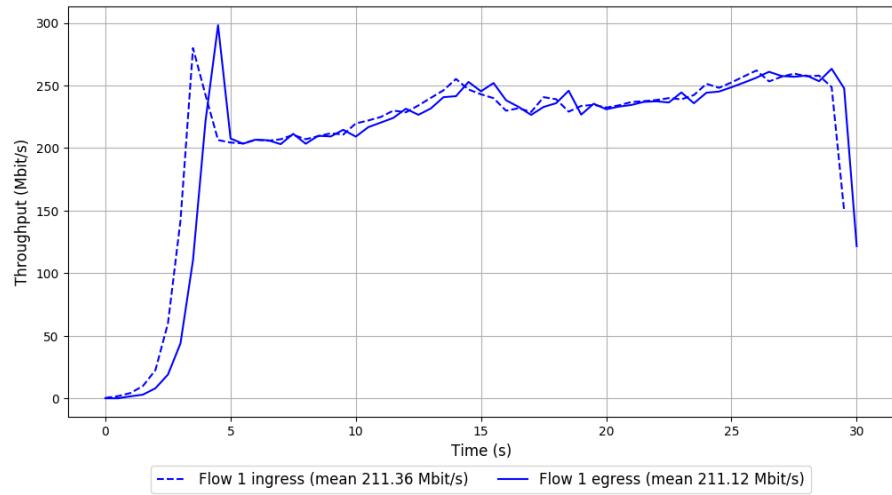


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-22 13:28:08
End at: 2018-05-22 13:28:38
Local clock offset: 0.988 ms
Remote clock offset: -36.216 ms

# Below is generated by plot.py at 2018-05-22 15:07:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.12 Mbit/s
95th percentile per-packet one-way delay: 138.523 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 211.12 Mbit/s
95th percentile per-packet one-way delay: 138.523 ms
Loss rate: 0.76%
```

Run 8: Report of PCC-Vivace — Data Link

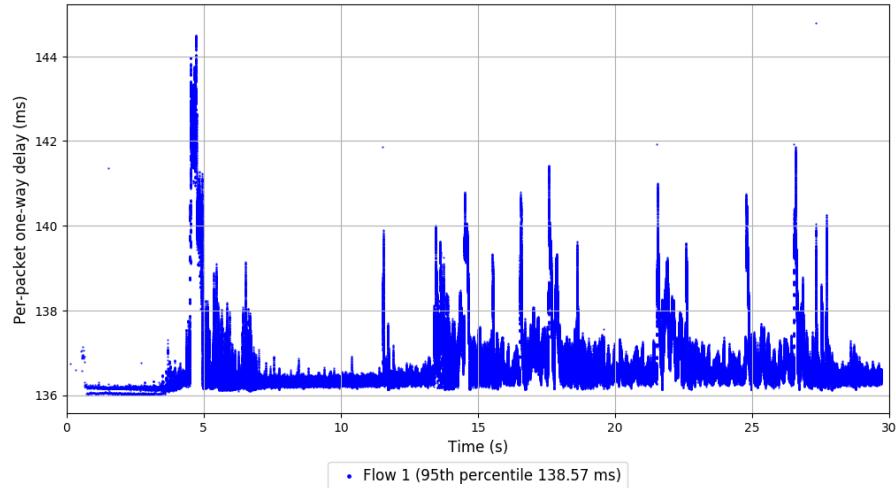
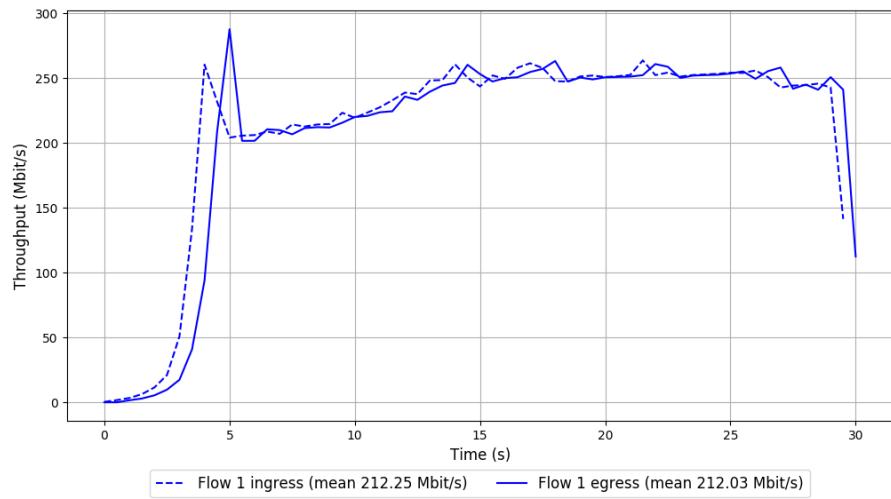


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-22 13:59:54
End at: 2018-05-22 14:00:24
Local clock offset: 3.248 ms
Remote clock offset: -33.301 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.03 Mbit/s
95th percentile per-packet one-way delay: 138.571 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 212.03 Mbit/s
95th percentile per-packet one-way delay: 138.571 ms
Loss rate: 0.75%
```

Run 9: Report of PCC-Vivace — Data Link

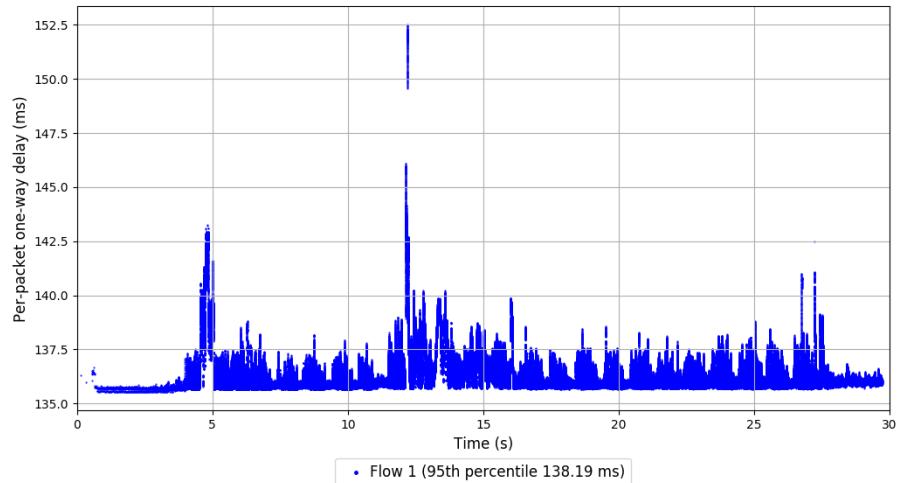
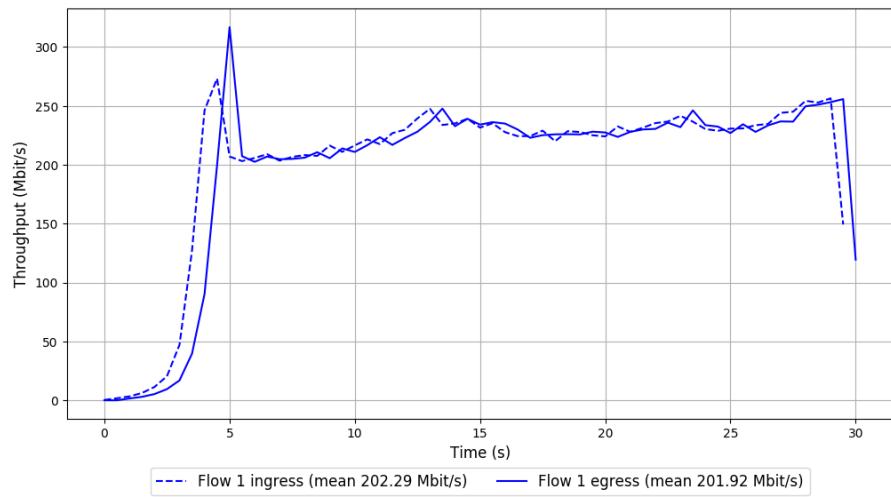


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-22 14:20:33
End at: 2018-05-22 14:21:03
Local clock offset: 2.338 ms
Remote clock offset: -35.507 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.92 Mbit/s
95th percentile per-packet one-way delay: 138.195 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 201.92 Mbit/s
95th percentile per-packet one-way delay: 138.195 ms
Loss rate: 0.83%
```

Run 10: Report of PCC-Vivace — Data Link

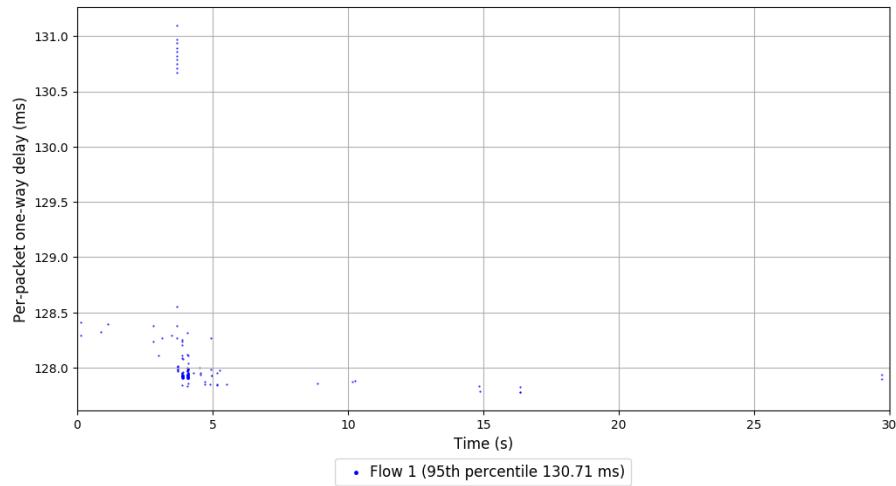
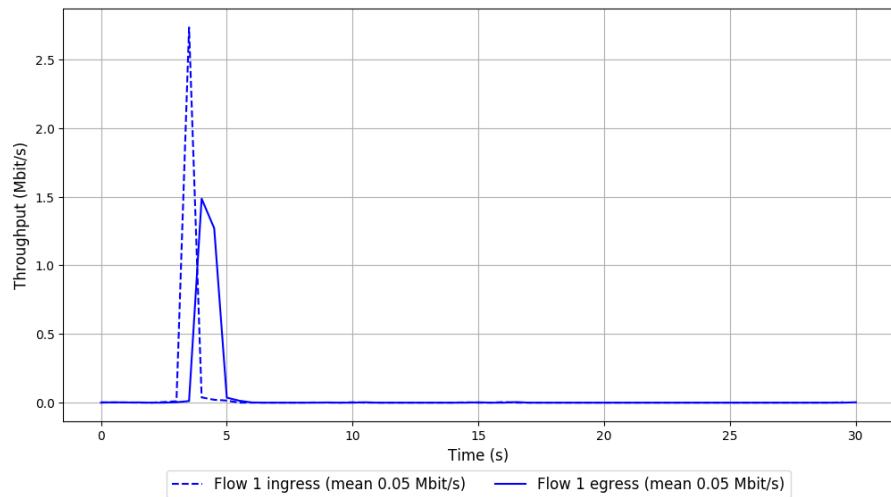


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-22 09:59:51
End at: 2018-05-22 10:00:21
Local clock offset: -1.287 ms
Remote clock offset: -32.118 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 130.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 130.711 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

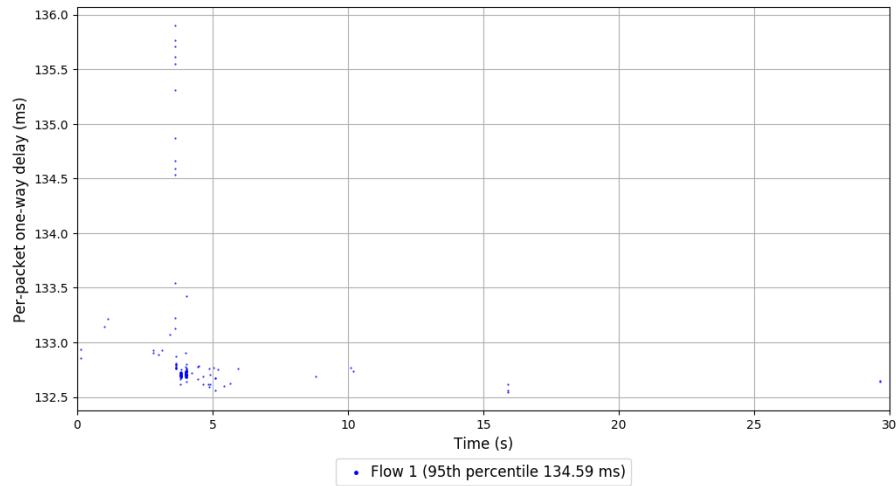
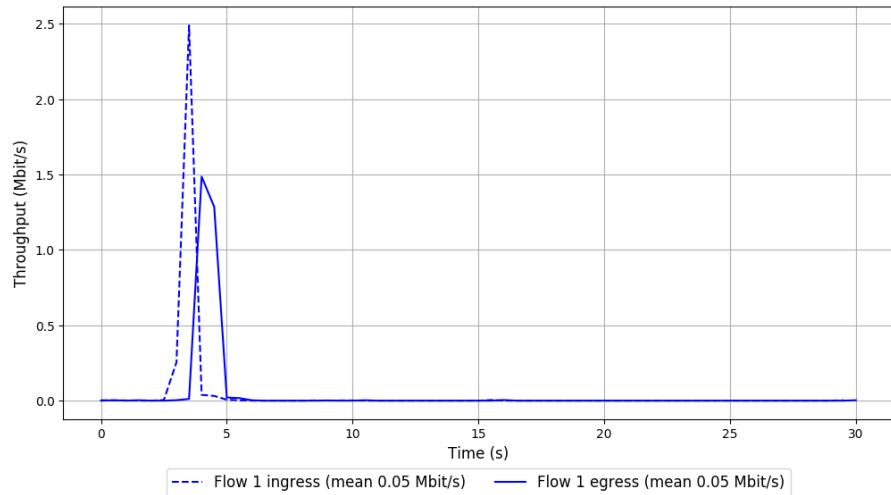


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-22 10:20:26
End at: 2018-05-22 10:20:56
Local clock offset: -1.767 ms
Remote clock offset: -37.8 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 134.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 134.594 ms
Loss rate: 0.00%
```

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

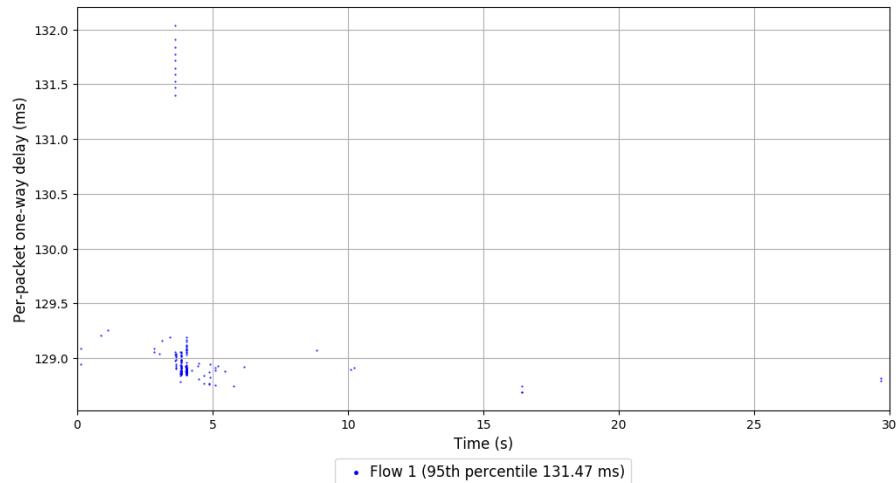
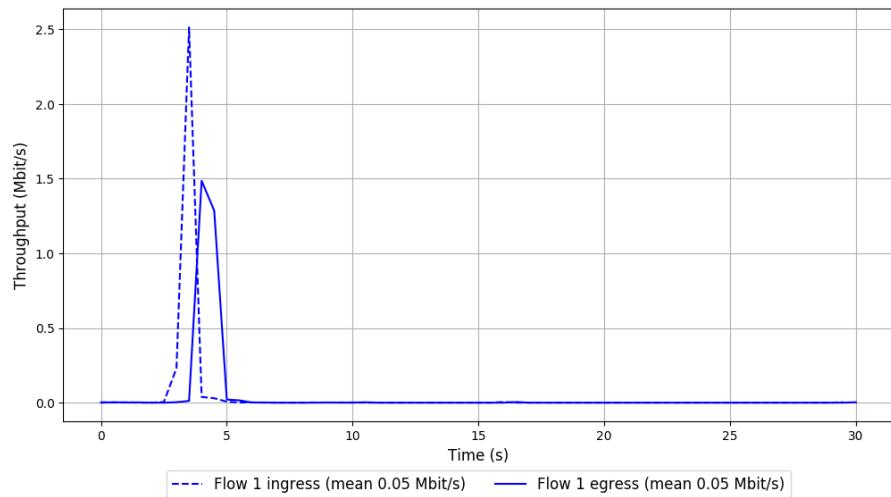


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-22 10:46:38
End at: 2018-05-22 10:47:08
Local clock offset: 1.471 ms
Remote clock offset: -31.947 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 131.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 131.469 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

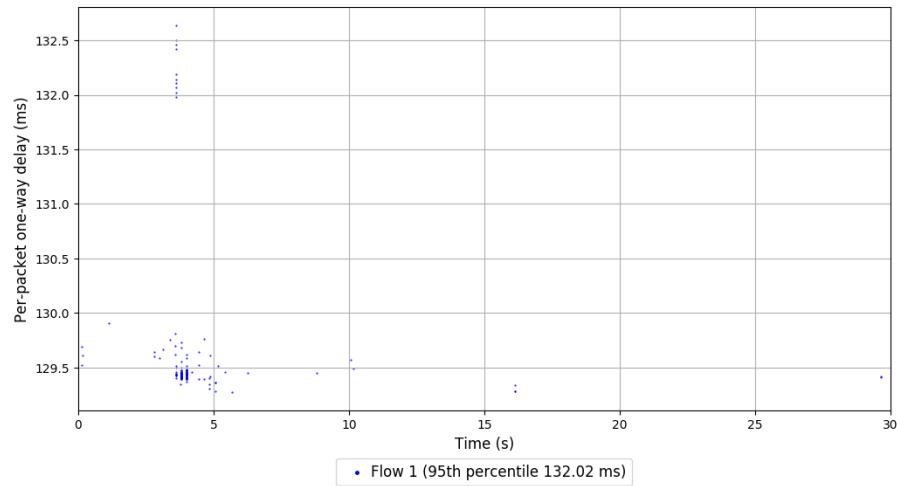
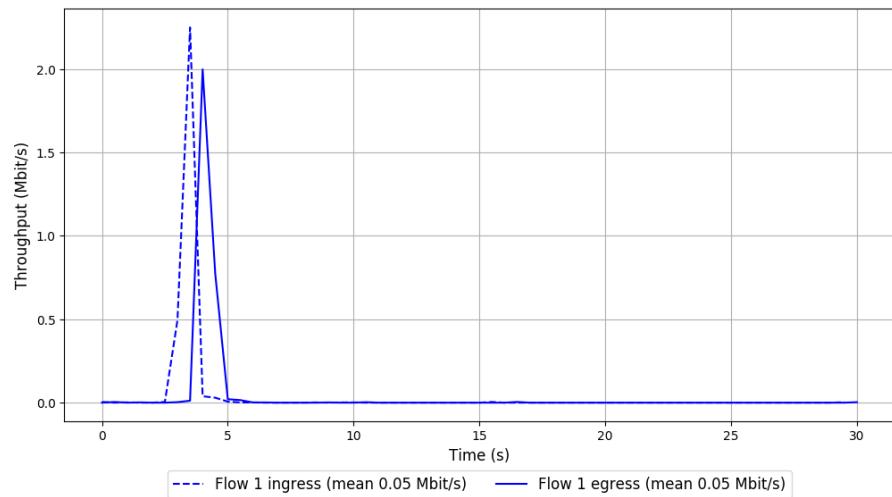


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-22 11:16:55
End at: 2018-05-22 11:17:25
Local clock offset: -1.228 ms
Remote clock offset: -31.277 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.019 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

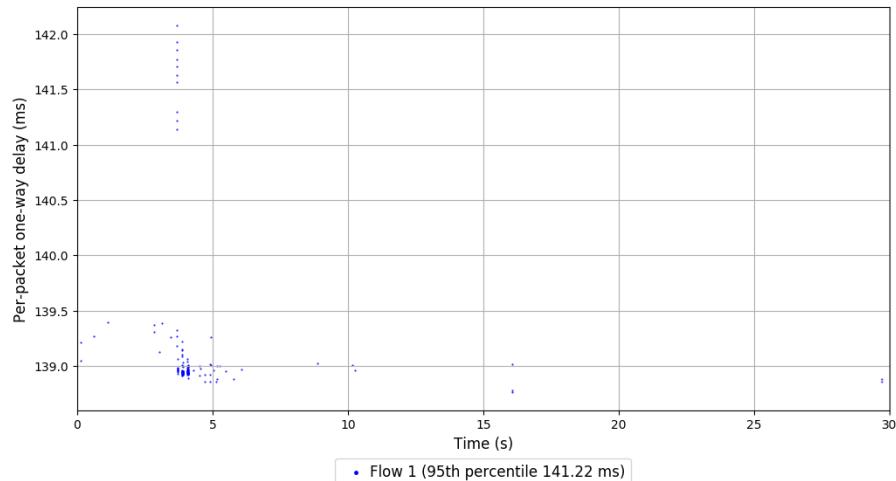
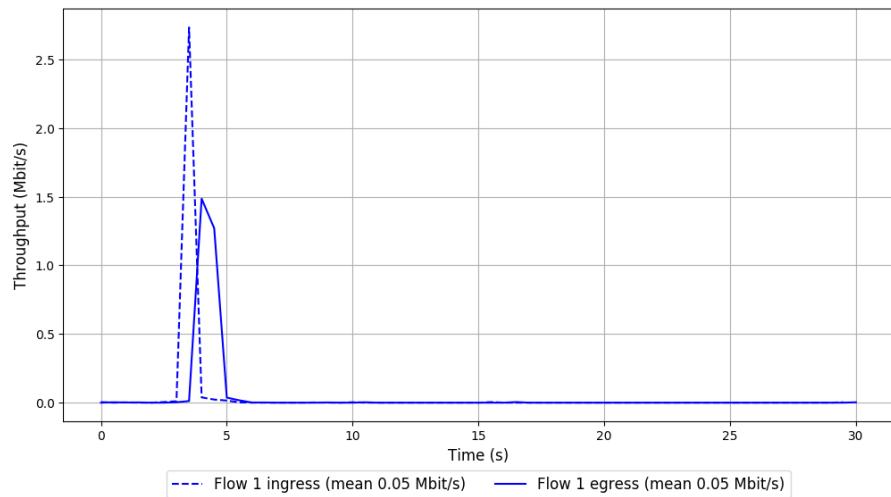


```
Run 5: Statistics of WebRTC media

Start at: 2018-05-22 11:37:29
End at: 2018-05-22 11:37:59
Local clock offset: -1.586 ms
Remote clock offset: -41.574 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 141.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 141.222 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

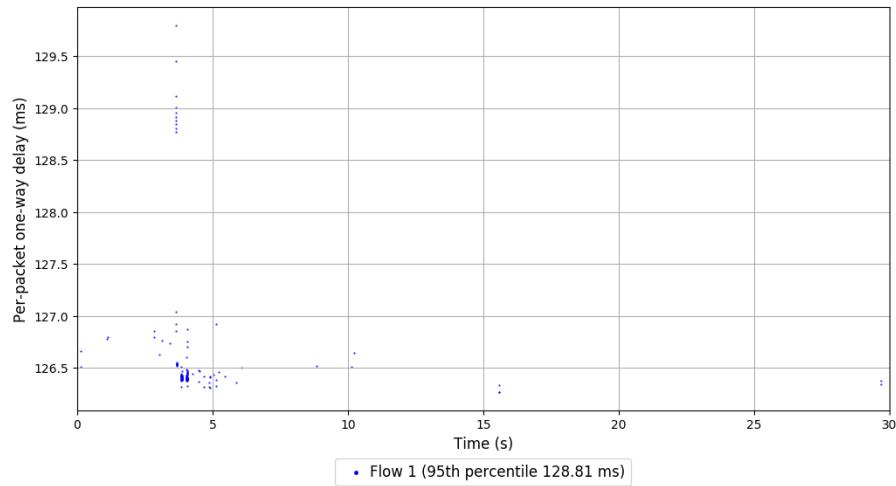
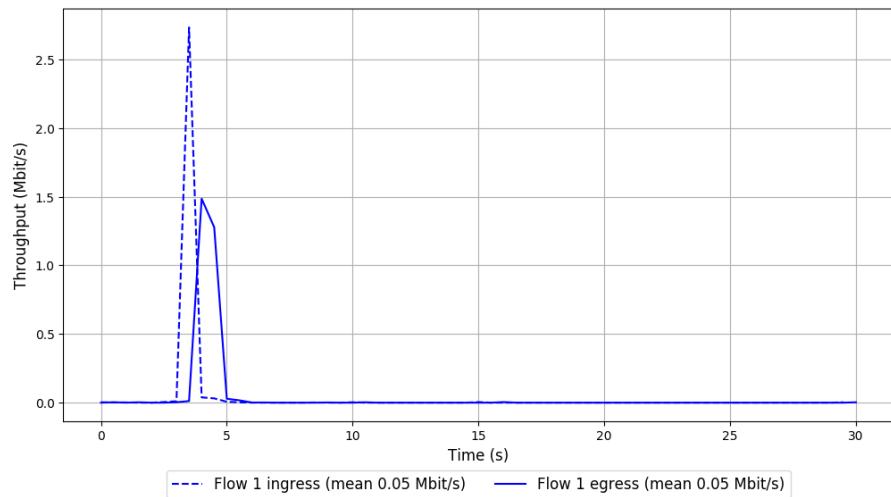


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-22 12:13:35
End at: 2018-05-22 12:14:05
Local clock offset: 0.262 ms
Remote clock offset: -27.826 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 128.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 128.809 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

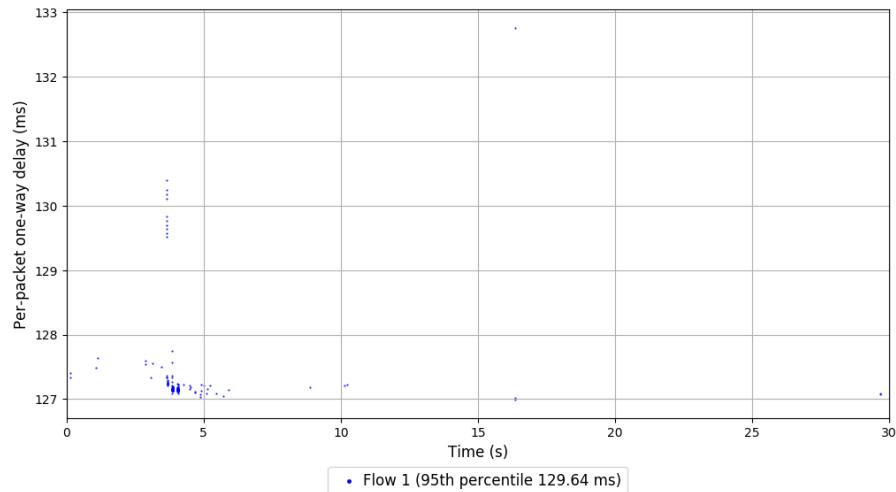
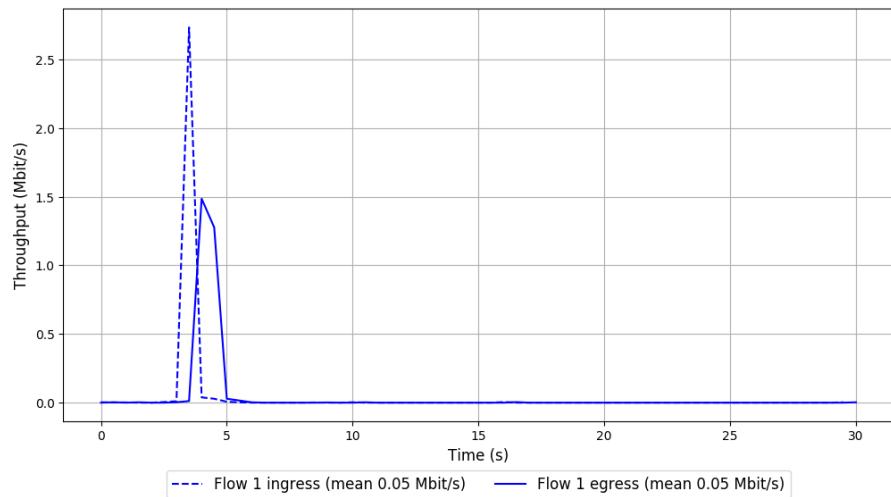


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-22 12:34:24
End at: 2018-05-22 12:34:54
Local clock offset: 1.448 ms
Remote clock offset: -29.471 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 129.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 129.636 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

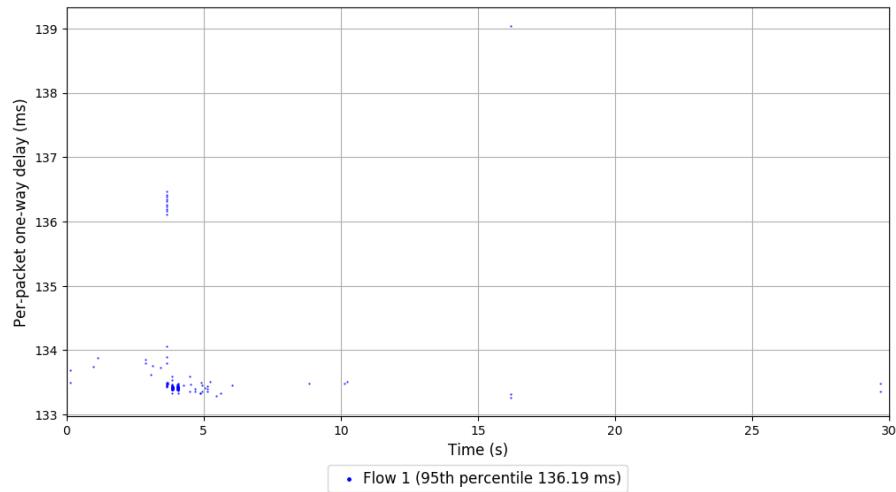
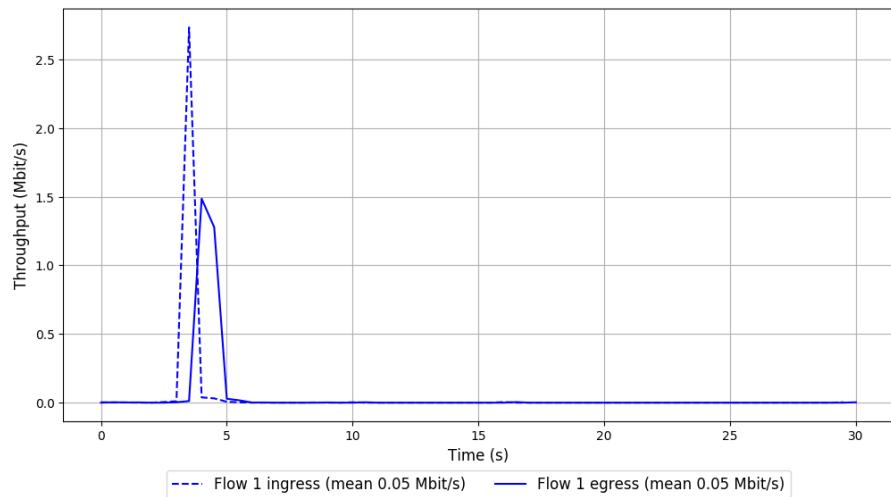


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-22 13:15:59
End at: 2018-05-22 13:16:29
Local clock offset: 2.144 ms
Remote clock offset: -35.339 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.192 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

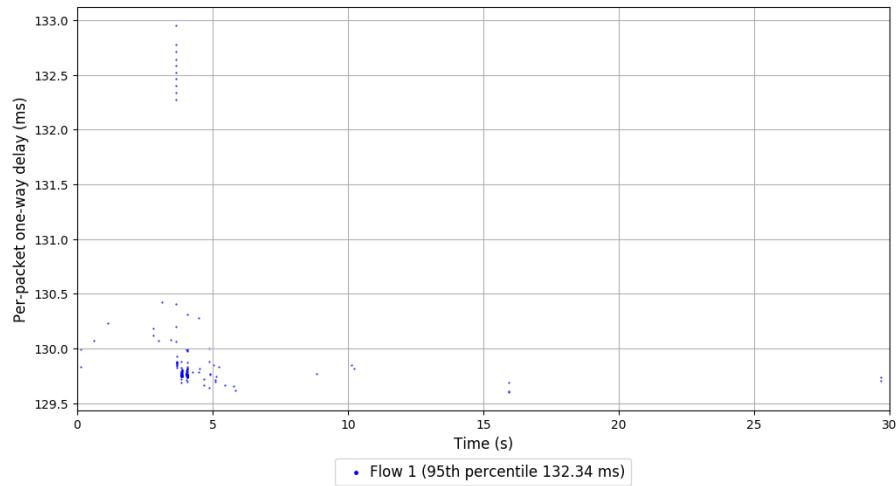
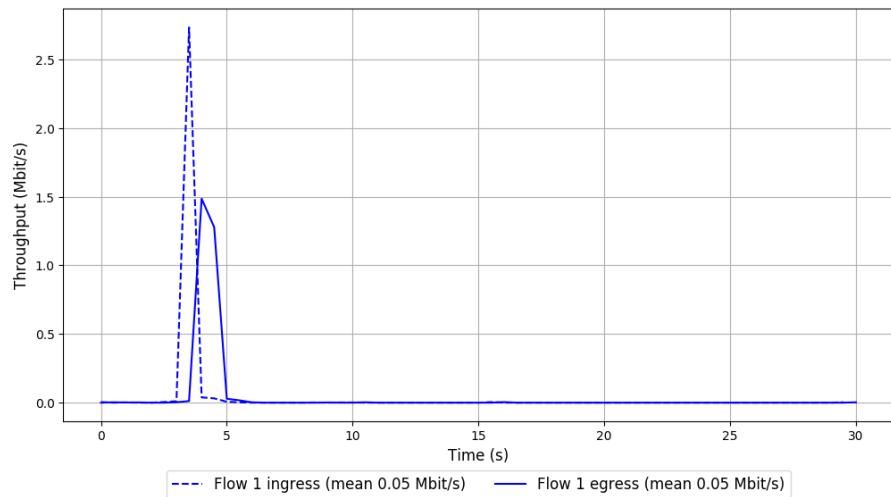


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-22 13:53:28
End at: 2018-05-22 13:53:58
Local clock offset: 1.047 ms
Remote clock offset: -30.399 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.342 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-22 14:14:03
End at: 2018-05-22 14:14:33
Local clock offset: 1.009 ms
Remote clock offset: -34.938 ms

# Below is generated by plot.py at 2018-05-22 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.973 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

