

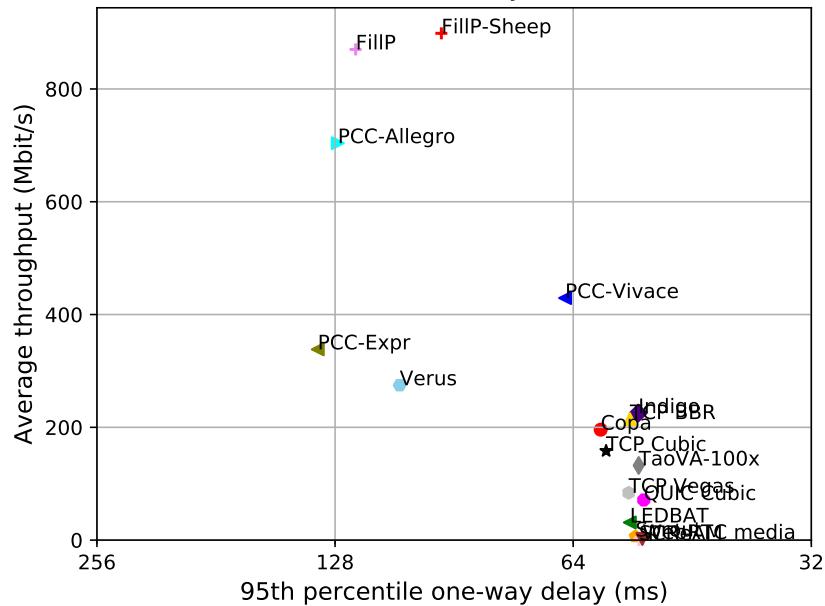
## Pantheon Report

Generated at 2018-08-03 10:23:03 (UTC).  
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).  
Repeated the test of 17 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against `time.google.com` and have been applied  
to correct the timestamps in logs.

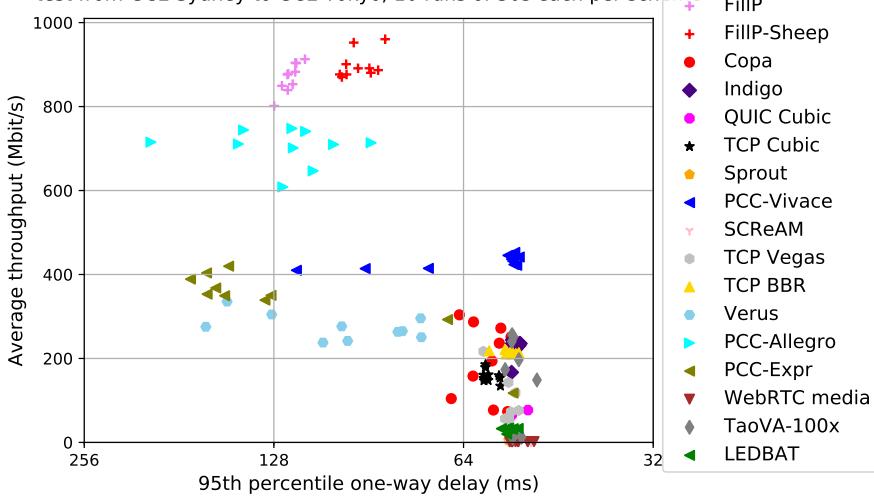
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Sydney to GCE Tokyo, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from GCE Sydney to GCE Tokyo, 10 runs of 30s each per scheme



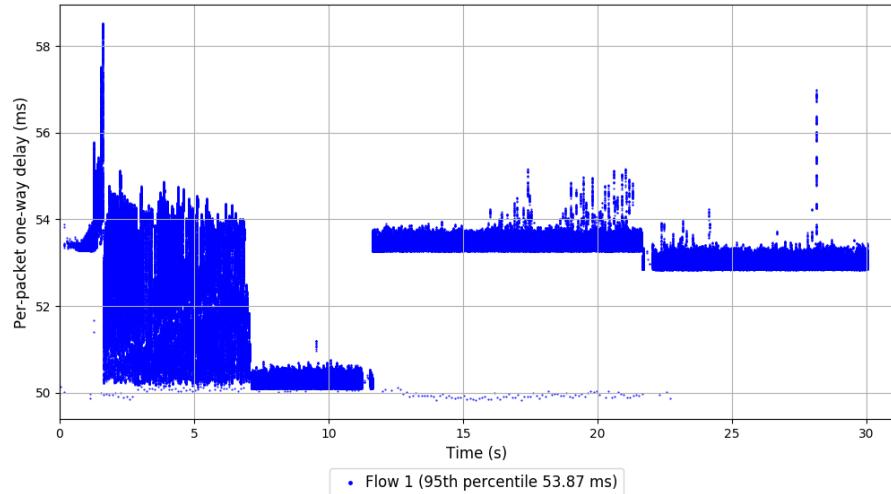
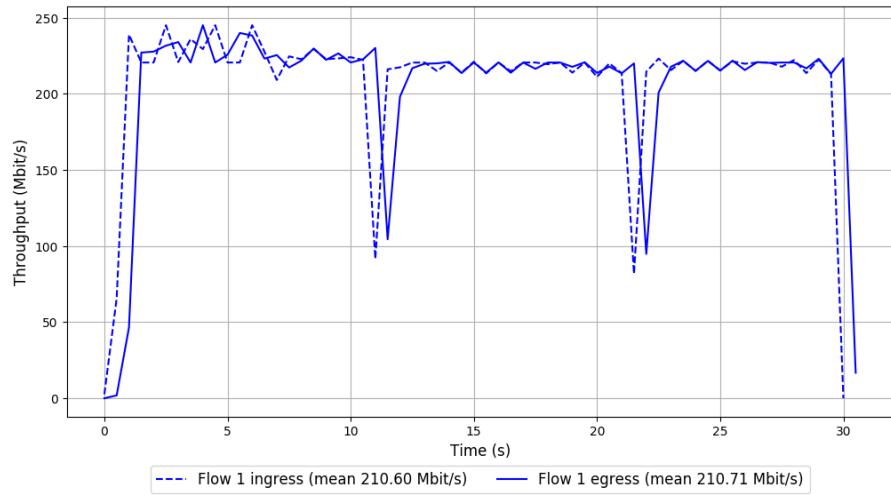
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	214.59	54.26	0.00
Copa	10	195.80	59.08	0.00
TCP Cubic	10	158.12	58.15	0.02
FillP	10	870.12	120.55	2.43
FillP-Sheep	10	898.66	93.94	0.14
Indigo	10	225.27	52.96	0.00
LEDBAT	10	31.26	54.28	0.00
PCC-Allegro	10	703.92	126.98	1.32
PCC-Expr	10	338.23	134.63	3.23
QUIC Cubic	2	71.16	52.11	0.01
SCReAM	10	0.21	52.85	0.00
Sprout	10	6.52	53.40	0.00
TaoVA-100x	10	132.35	52.89	0.00
TCP Vegas	10	83.82	54.46	0.00
Verus	10	274.65	106.06	0.32
PCC-Vivace	10	429.24	65.53	0.03
WebRTC media	10	1.94	52.33	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-08-03 04:50:21
End at: 2018-08-03 04:50:51
Local clock offset: -0.013 ms
Remote clock offset: -0.3 ms

# Below is generated by plot.py at 2018-08-03 08:37:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.71 Mbit/s
95th percentile per-packet one-way delay: 53.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.71 Mbit/s
95th percentile per-packet one-way delay: 53.872 ms
Loss rate: 0.00%
```

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

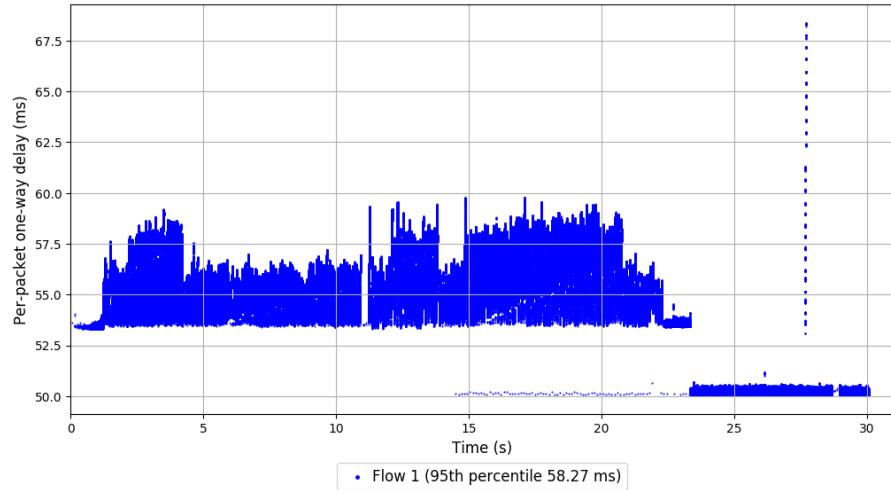
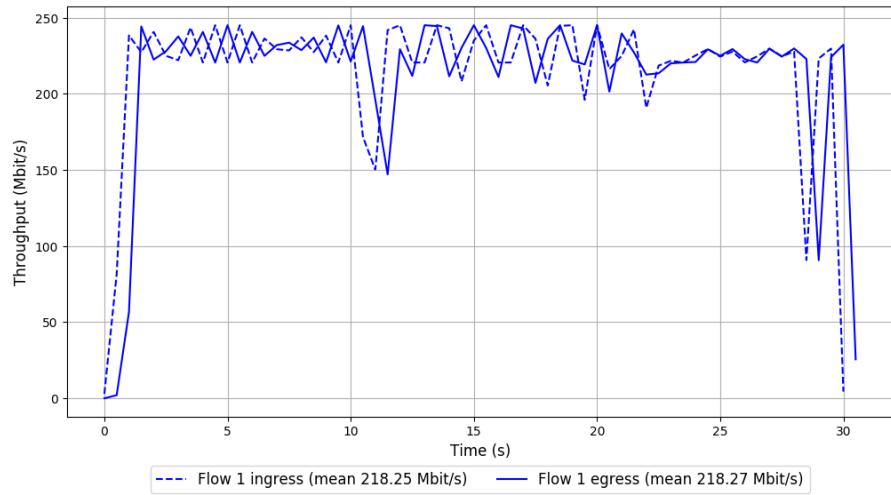


Run 2: Statistics of TCP BBR

```
Start at: 2018-08-03 05:12:50
End at: 2018-08-03 05:13:20
Local clock offset: 0.034 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2018-08-03 08:37:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.27 Mbit/s
95th percentile per-packet one-way delay: 58.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.27 Mbit/s
95th percentile per-packet one-way delay: 58.268 ms
Loss rate: 0.00%
```

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

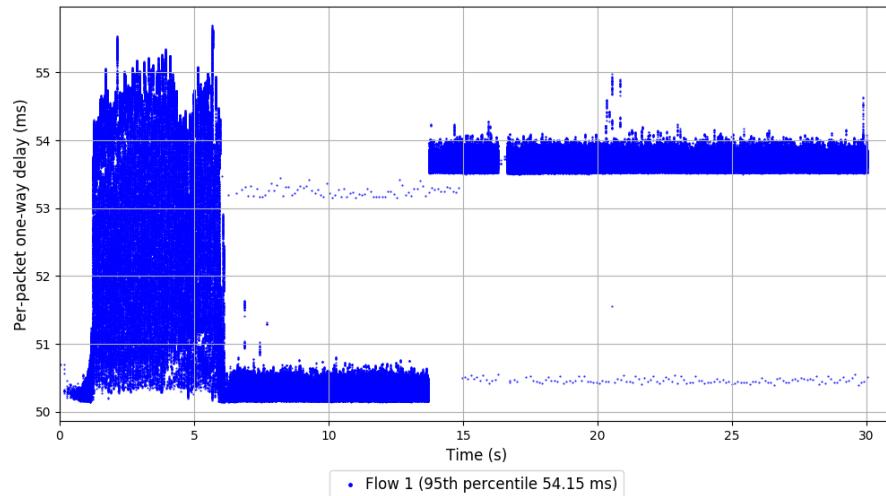
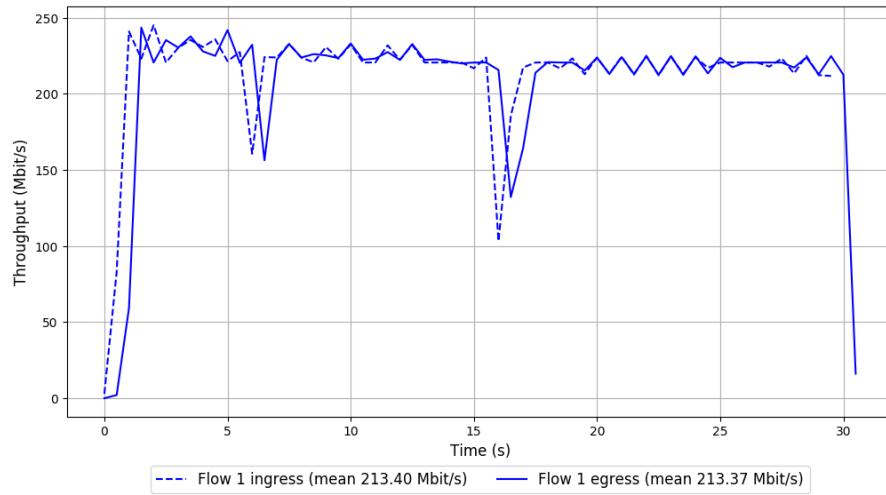


Run 3: Statistics of TCP BBR

```
Start at: 2018-08-03 05:35:29
End at: 2018-08-03 05:35:59
Local clock offset: 0.056 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-08-03 08:37:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.37 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.37 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.00%
```

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

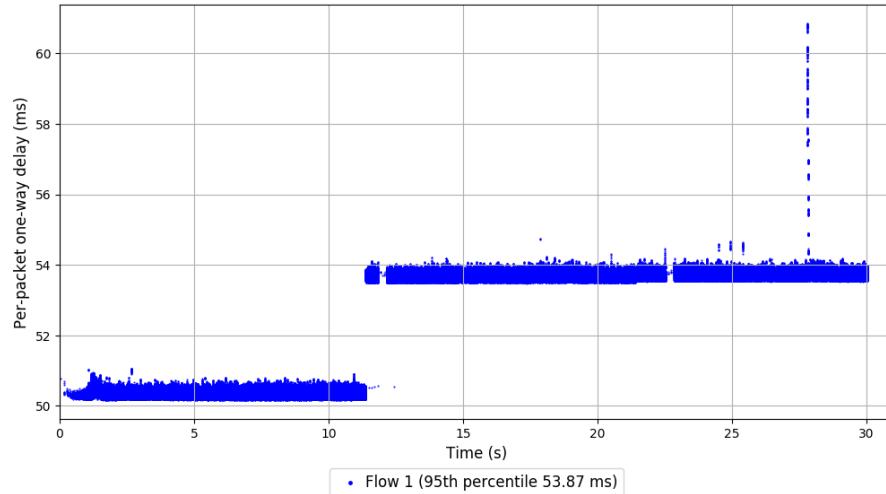
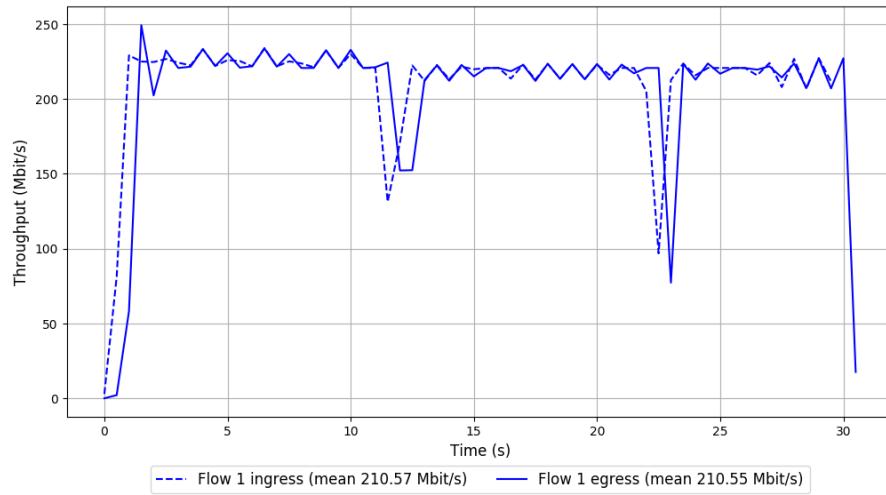


Run 4: Statistics of TCP BBR

```
Start at: 2018-08-03 05:57:42
End at: 2018-08-03 05:58:12
Local clock offset: -0.061 ms
Remote clock offset: -0.224 ms

# Below is generated by plot.py at 2018-08-03 08:37:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.55 Mbit/s
95th percentile per-packet one-way delay: 53.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.55 Mbit/s
95th percentile per-packet one-way delay: 53.868 ms
Loss rate: 0.00%
```

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

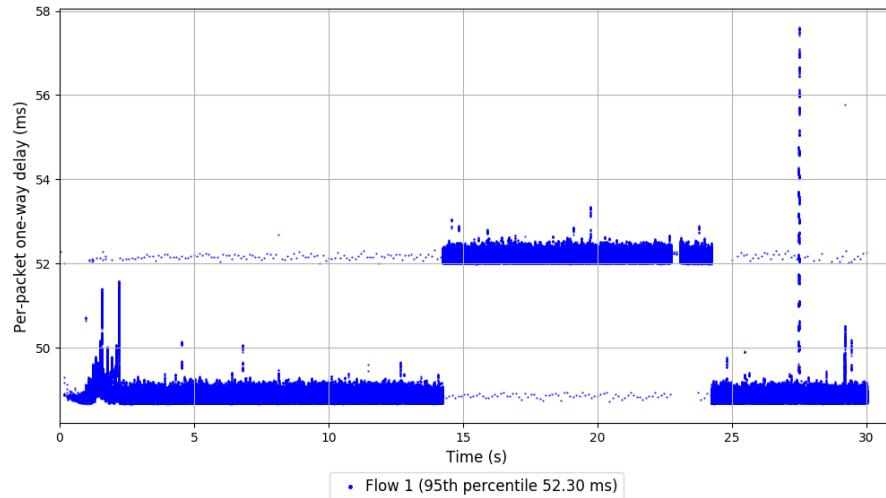
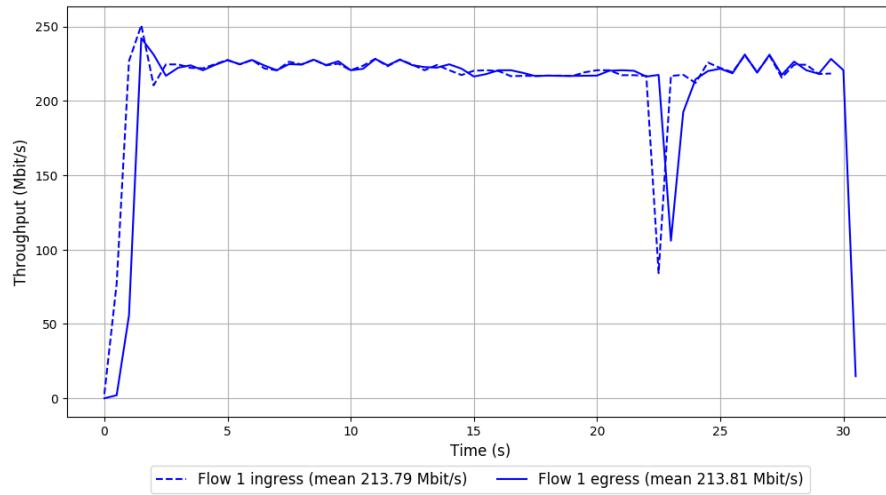


Run 5: Statistics of TCP BBR

```
Start at: 2018-08-03 06:19:39
End at: 2018-08-03 06:20:09
Local clock offset: 0.175 ms
Remote clock offset: -1.509 ms

# Below is generated by plot.py at 2018-08-03 08:37:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.81 Mbit/s
95th percentile per-packet one-way delay: 52.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.81 Mbit/s
95th percentile per-packet one-way delay: 52.295 ms
Loss rate: 0.00%
```

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

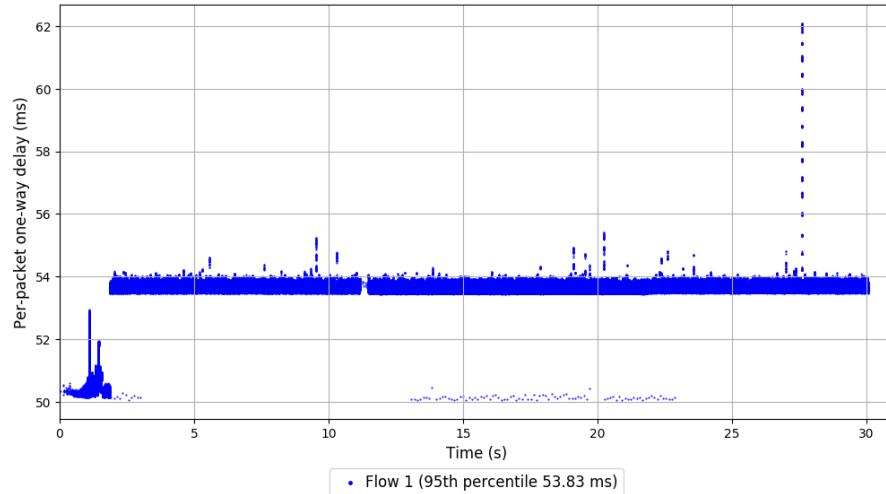
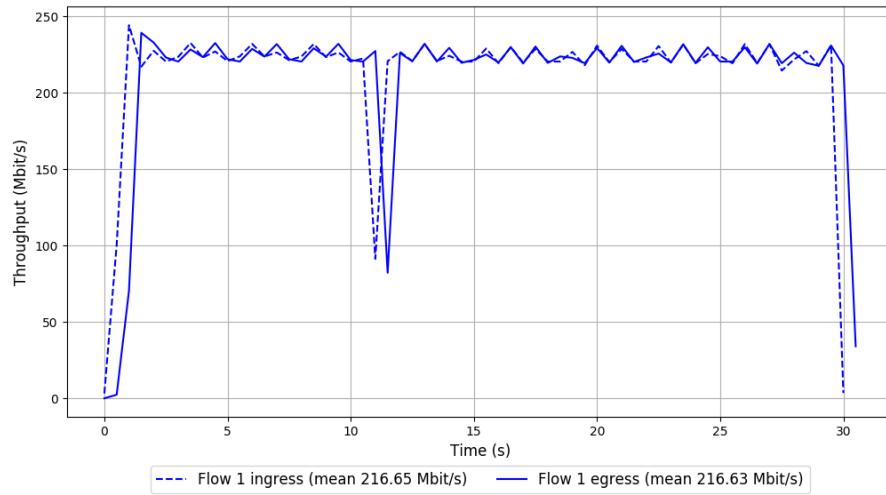


Run 6: Statistics of TCP BBR

```
Start at: 2018-08-03 06:42:01
End at: 2018-08-03 06:42:31
Local clock offset: 0.088 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2018-08-03 08:37:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.63 Mbit/s
95th percentile per-packet one-way delay: 53.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.63 Mbit/s
95th percentile per-packet one-way delay: 53.826 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link

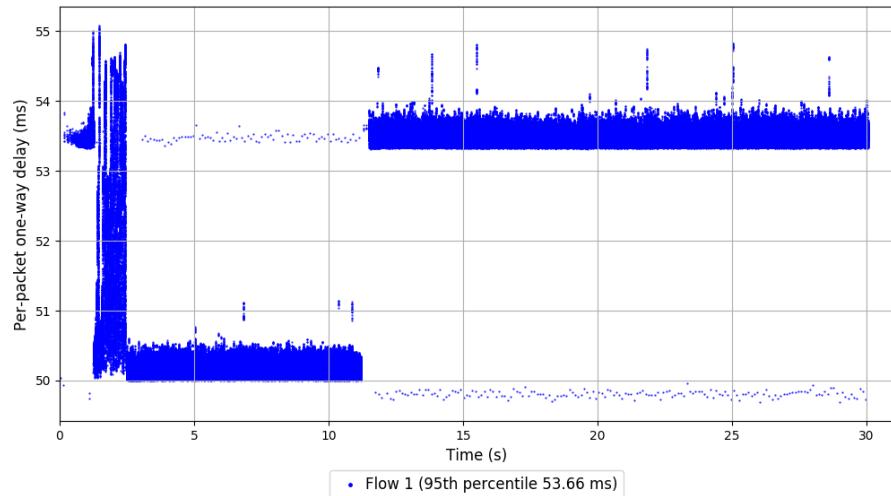
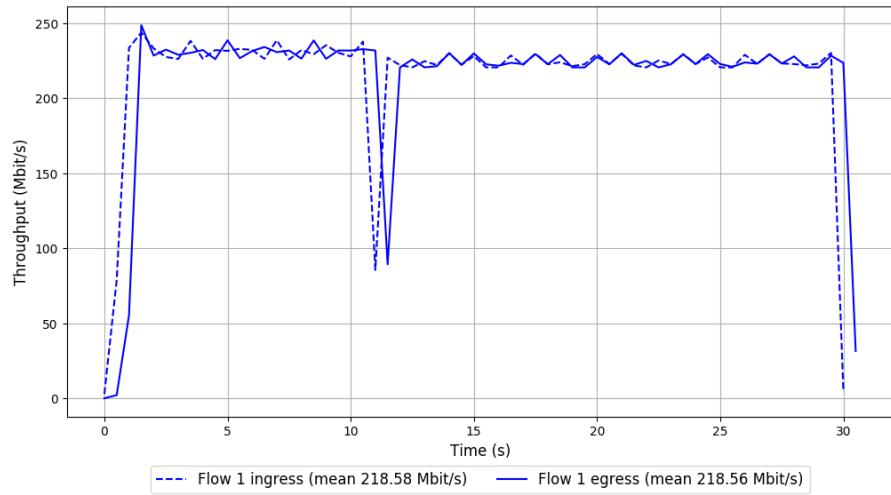


Run 7: Statistics of TCP BBR

```
Start at: 2018-08-03 07:03:52
End at: 2018-08-03 07:04:22
Local clock offset: 0.072 ms
Remote clock offset: -0.245 ms

# Below is generated by plot.py at 2018-08-03 08:37:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.56 Mbit/s
95th percentile per-packet one-way delay: 53.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.56 Mbit/s
95th percentile per-packet one-way delay: 53.665 ms
Loss rate: 0.00%
```

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

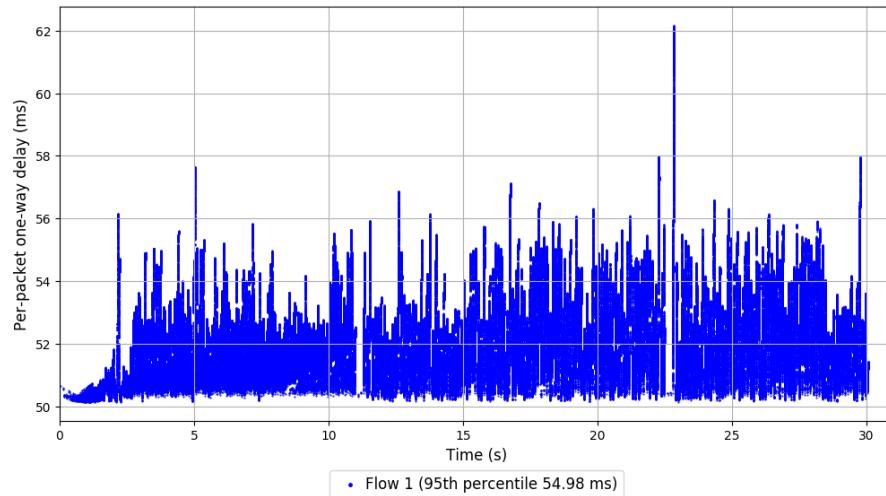
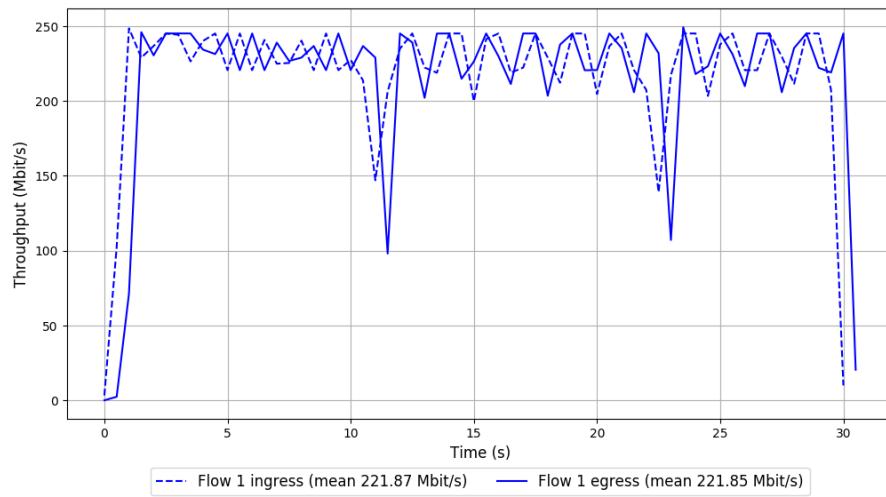


Run 8: Statistics of TCP BBR

```
Start at: 2018-08-03 07:26:04
End at: 2018-08-03 07:26:34
Local clock offset: -0.013 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-08-03 08:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.85 Mbit/s
95th percentile per-packet one-way delay: 54.980 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 221.85 Mbit/s
95th percentile per-packet one-way delay: 54.980 ms
Loss rate: 0.01%
```

Run 8: Report of TCP BBR — Data Link

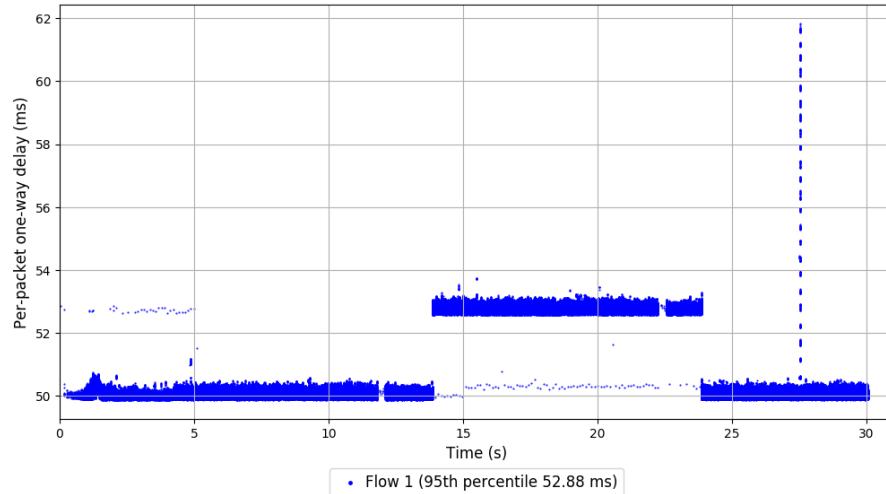
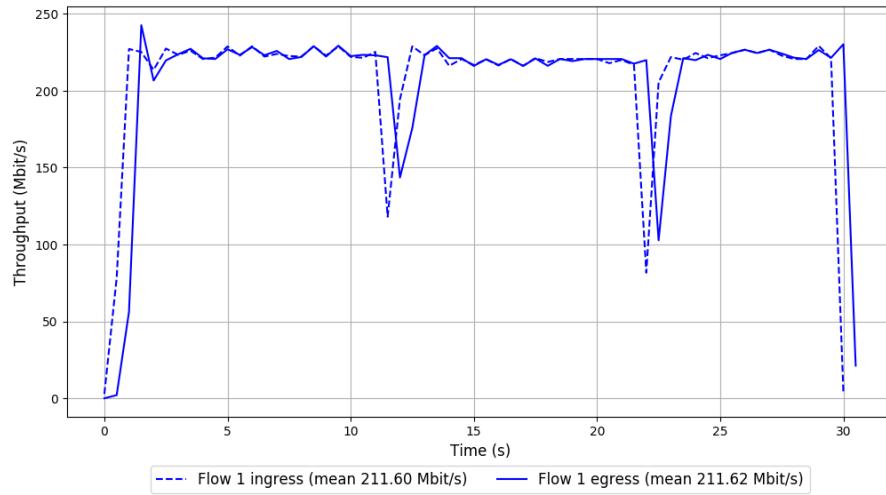


Run 9: Statistics of TCP BBR

```
Start at: 2018-08-03 07:48:29
End at: 2018-08-03 07:48:59
Local clock offset: 0.246 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-08-03 08:40:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.62 Mbit/s
95th percentile per-packet one-way delay: 52.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.62 Mbit/s
95th percentile per-packet one-way delay: 52.882 ms
Loss rate: 0.00%
```

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

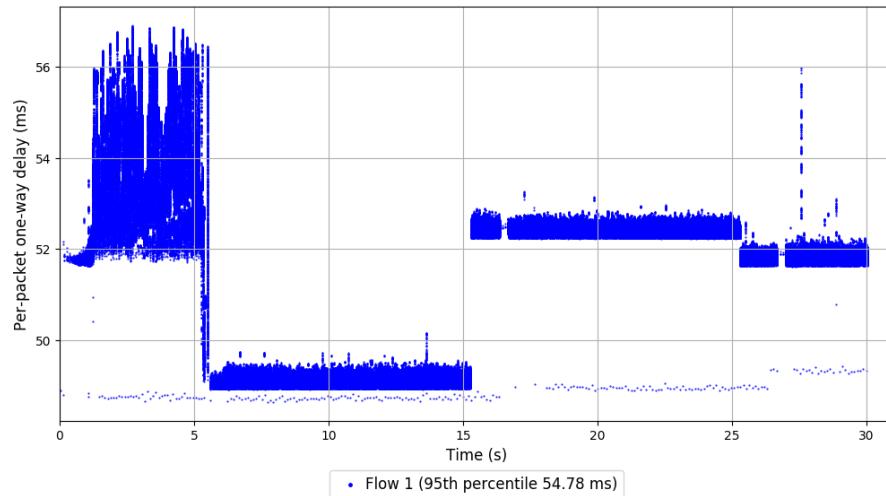
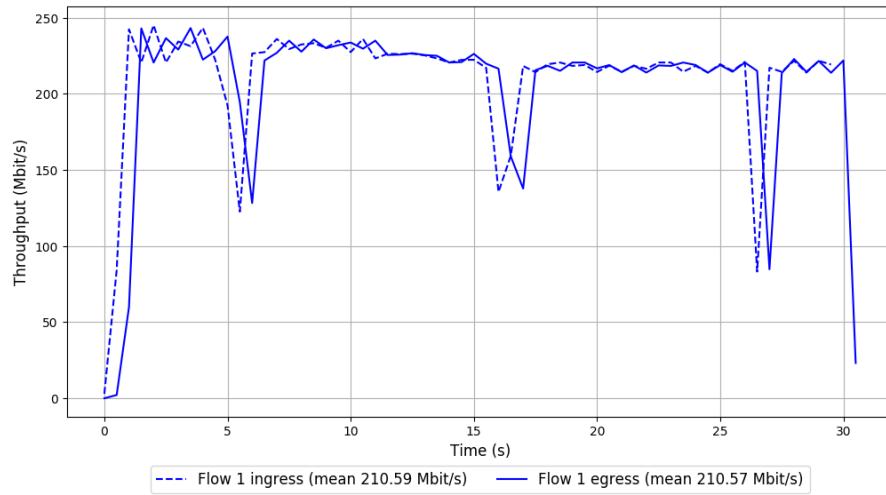


Run 10: Statistics of TCP BBR

```
Start at: 2018-08-03 08:10:48
End at: 2018-08-03 08:11:18
Local clock offset: -0.276 ms
Remote clock offset: -1.569 ms

# Below is generated by plot.py at 2018-08-03 08:40:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.57 Mbit/s
95th percentile per-packet one-way delay: 54.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.57 Mbit/s
95th percentile per-packet one-way delay: 54.780 ms
Loss rate: 0.00%
```

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

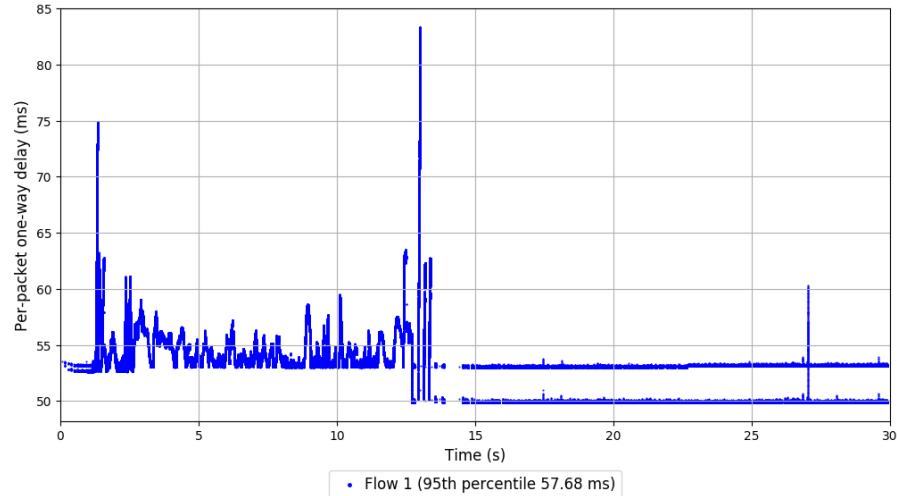
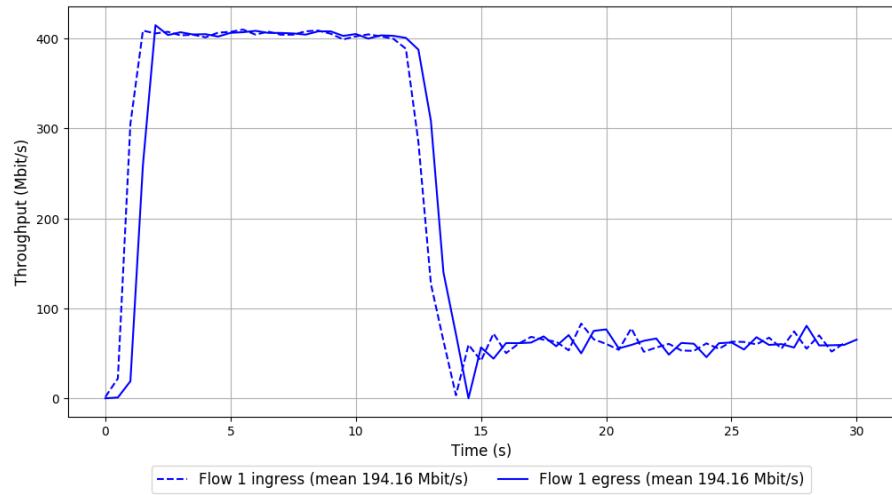


Run 1: Statistics of Copa

```
Start at: 2018-08-03 04:49:00
End at: 2018-08-03 04:49:30
Local clock offset: 0.019 ms
Remote clock offset: -0.464 ms

# Below is generated by plot.py at 2018-08-03 08:42:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.16 Mbit/s
95th percentile per-packet one-way delay: 57.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.16 Mbit/s
95th percentile per-packet one-way delay: 57.676 ms
Loss rate: 0.00%
```

### Run 1: Report of Copa — Data Link

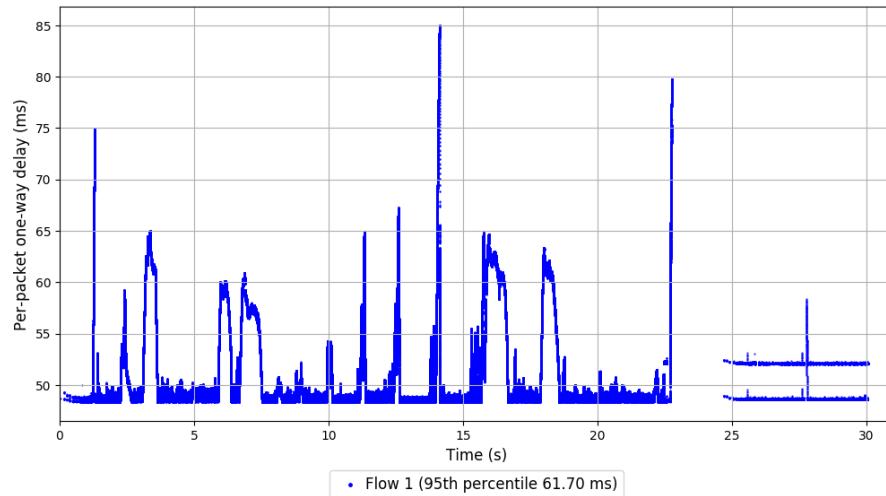
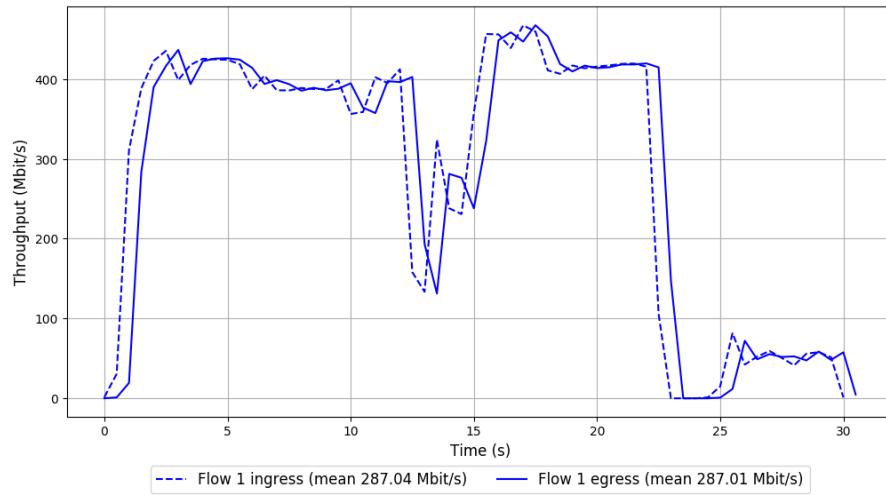


Run 2: Statistics of Copa

```
Start at: 2018-08-03 05:11:21
End at: 2018-08-03 05:11:51
Local clock offset: 0.015 ms
Remote clock offset: -1.657 ms

# Below is generated by plot.py at 2018-08-03 08:45:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 287.01 Mbit/s
95th percentile per-packet one-way delay: 61.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 287.01 Mbit/s
95th percentile per-packet one-way delay: 61.705 ms
Loss rate: 0.00%
```

## Run 2: Report of Copa — Data Link

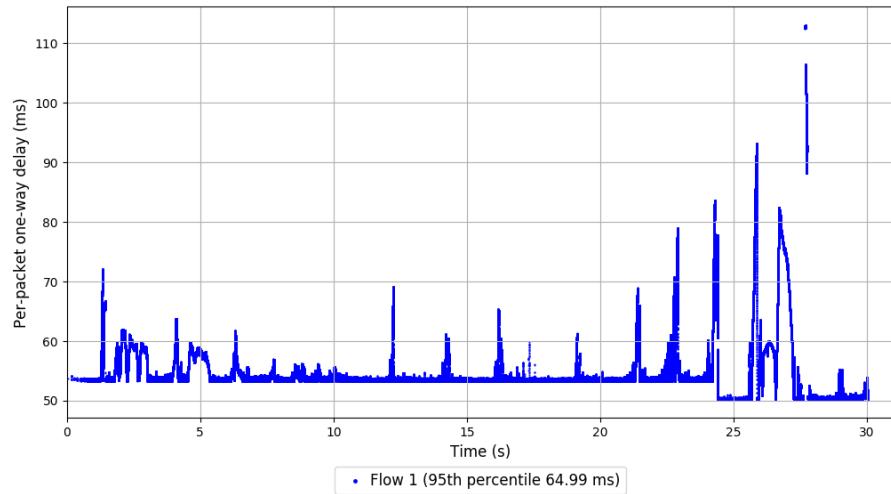
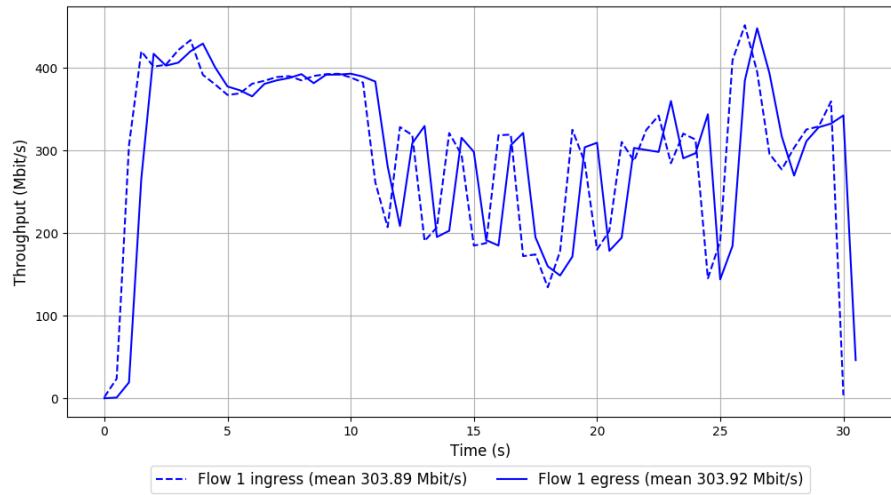


Run 3: Statistics of Copa

```
Start at: 2018-08-03 05:33:59
End at: 2018-08-03 05:34:29
Local clock offset: 0.095 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-08-03 08:45:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 303.92 Mbit/s
95th percentile per-packet one-way delay: 64.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 303.92 Mbit/s
95th percentile per-packet one-way delay: 64.986 ms
Loss rate: 0.00%
```

### Run 3: Report of Copa — Data Link

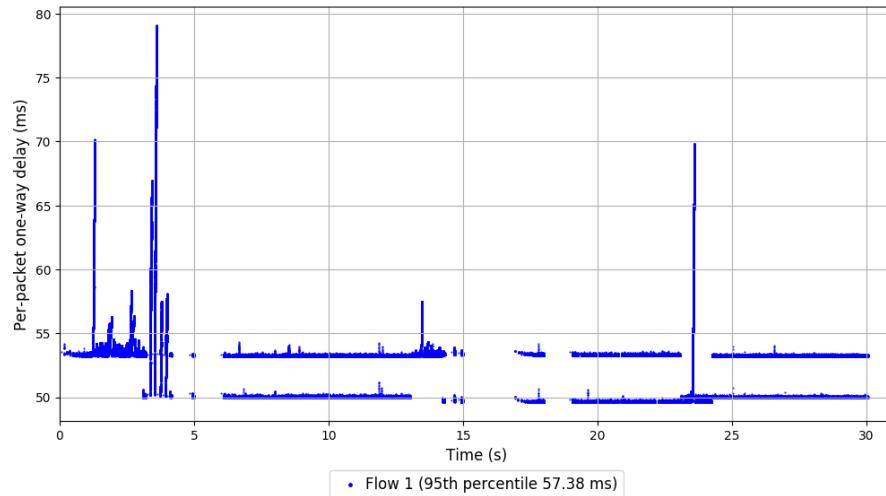
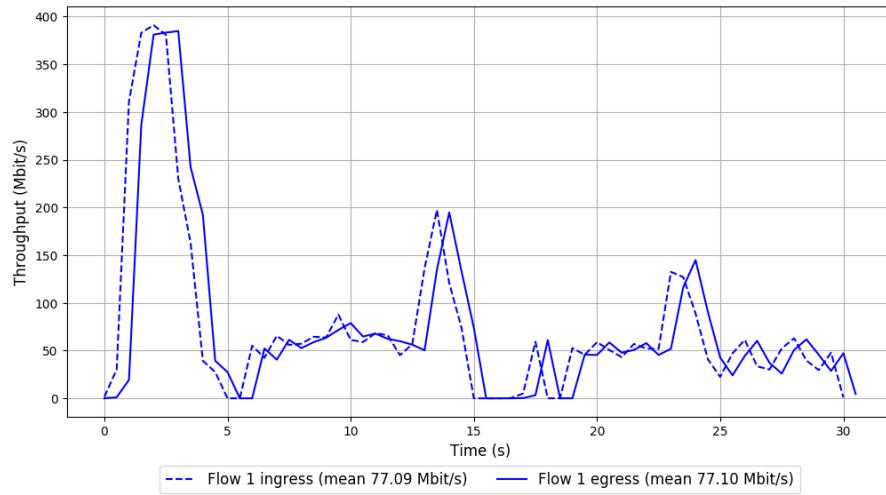


Run 4: Statistics of Copa

```
Start at: 2018-08-03 05:56:30
End at: 2018-08-03 05:57:00
Local clock offset: -0.048 ms
Remote clock offset: -0.406 ms

# Below is generated by plot.py at 2018-08-03 08:45:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 57.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 57.376 ms
Loss rate: 0.00%
```

## Run 4: Report of Copa — Data Link

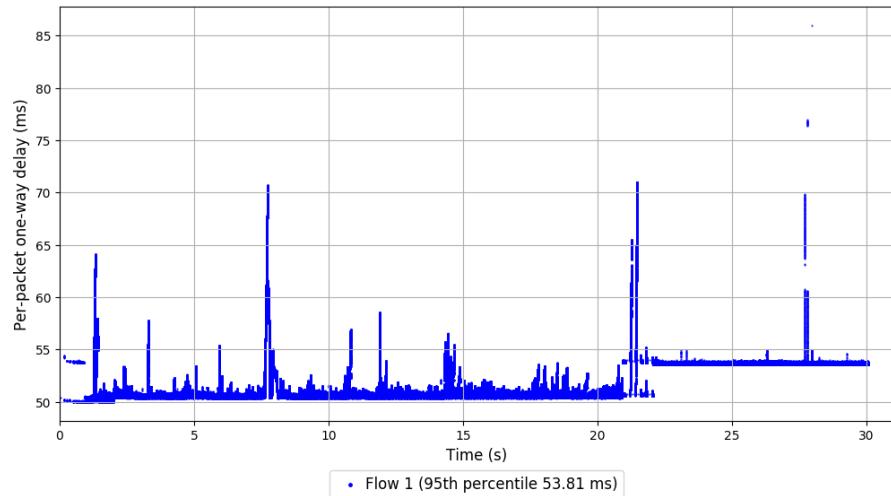
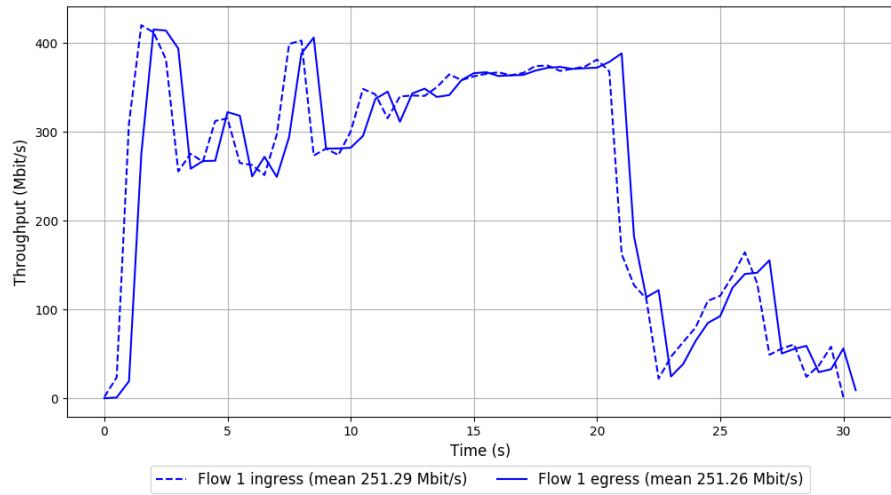


Run 5: Statistics of Copa

```
Start at: 2018-08-03 06:18:12
End at: 2018-08-03 06:18:42
Local clock offset: -0.132 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-08-03 08:45:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.26 Mbit/s
95th percentile per-packet one-way delay: 53.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.26 Mbit/s
95th percentile per-packet one-way delay: 53.807 ms
Loss rate: 0.00%
```

### Run 5: Report of Copa — Data Link

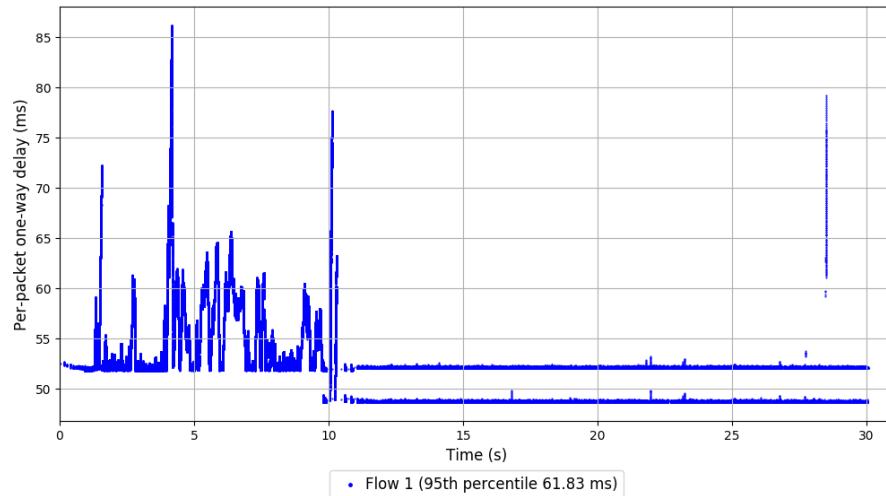
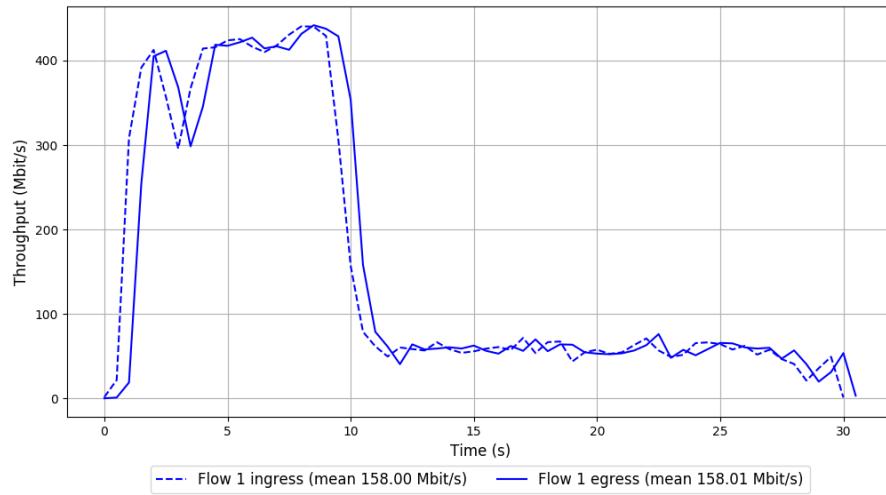


Run 6: Statistics of Copa

```
Start at: 2018-08-03 06:40:43
End at: 2018-08-03 06:41:13
Local clock offset: 0.153 ms
Remote clock offset: -1.531 ms

# Below is generated by plot.py at 2018-08-03 08:45:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.01 Mbit/s
95th percentile per-packet one-way delay: 61.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.01 Mbit/s
95th percentile per-packet one-way delay: 61.825 ms
Loss rate: 0.00%
```

## Run 6: Report of Copa — Data Link

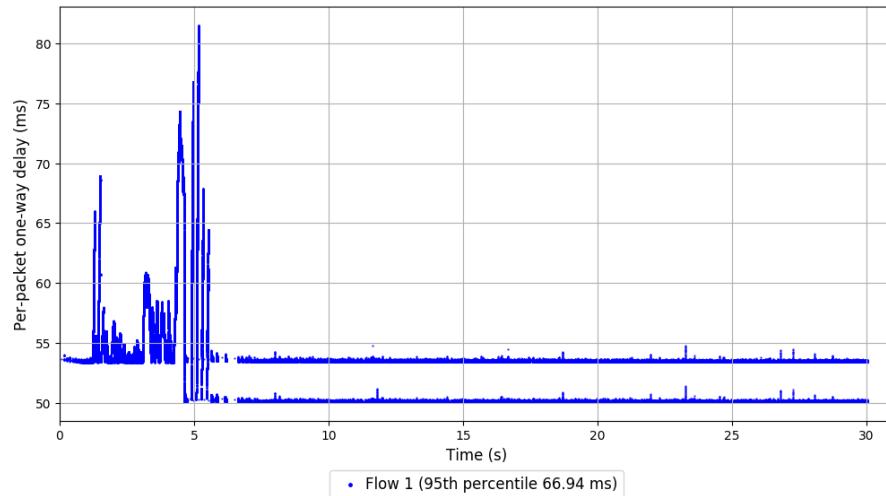
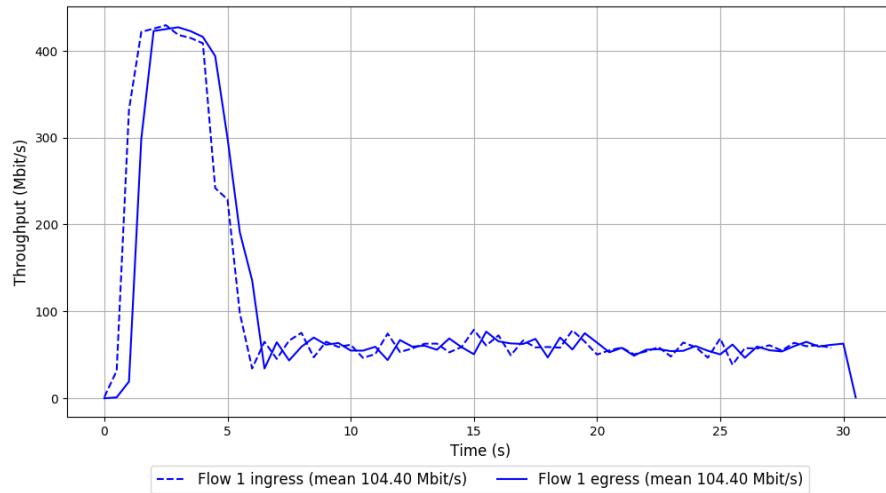


Run 7: Statistics of Copa

```
Start at: 2018-08-03 07:02:39
End at: 2018-08-03 07:03:09
Local clock offset: -0.008 ms
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2018-08-03 08:45:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.40 Mbit/s
95th percentile per-packet one-way delay: 66.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.40 Mbit/s
95th percentile per-packet one-way delay: 66.935 ms
Loss rate: 0.00%
```

## Run 7: Report of Copa — Data Link

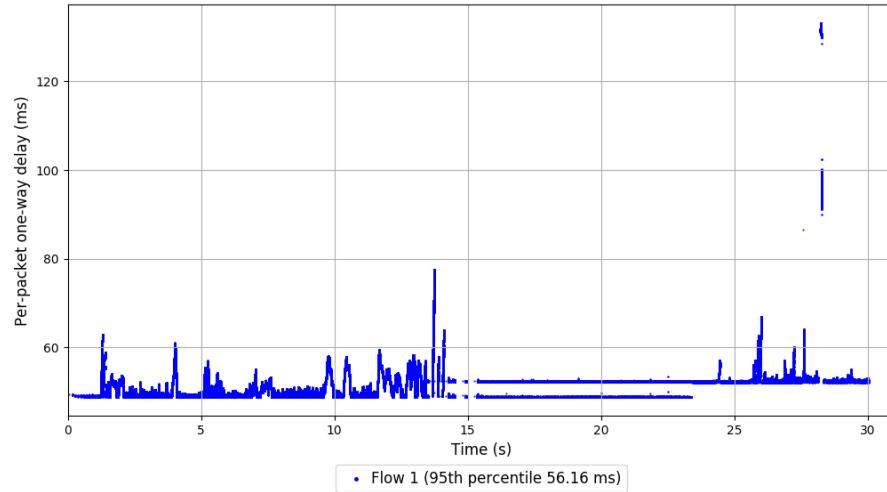
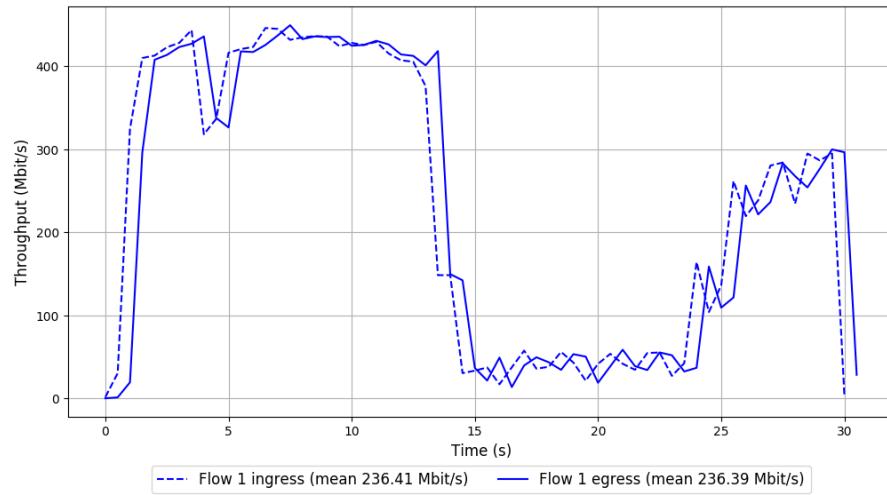


Run 8: Statistics of Copa

```
Start at: 2018-08-03 07:24:40
End at: 2018-08-03 07:25:10
Local clock offset: -0.019 ms
Remote clock offset: -1.46 ms

# Below is generated by plot.py at 2018-08-03 08:47:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.39 Mbit/s
95th percentile per-packet one-way delay: 56.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 236.39 Mbit/s
95th percentile per-packet one-way delay: 56.158 ms
Loss rate: 0.00%
```

### Run 8: Report of Copa — Data Link

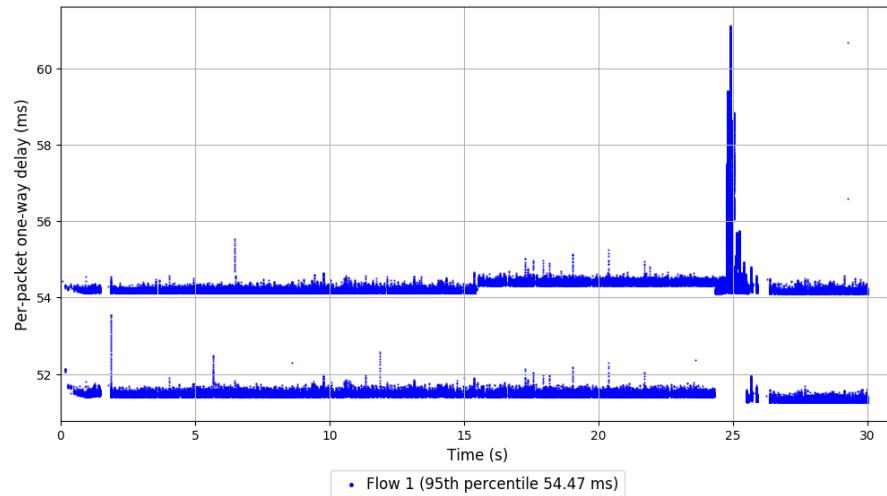
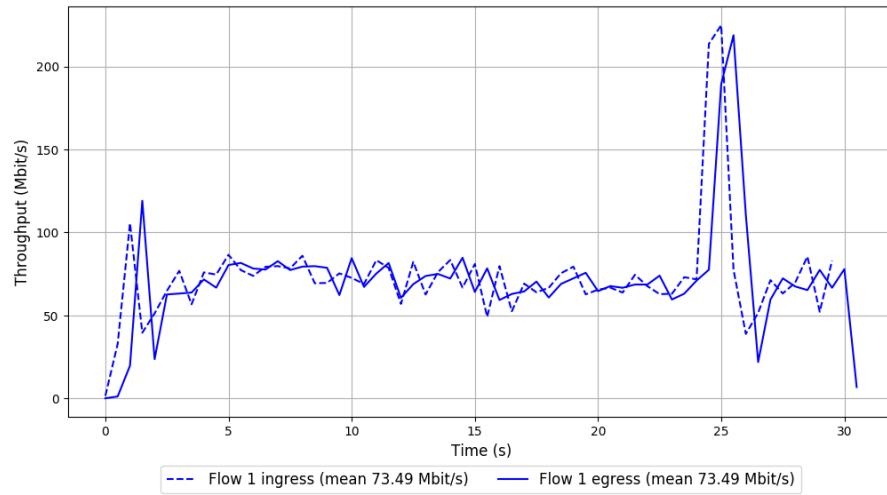


Run 9: Statistics of Copa

```
Start at: 2018-08-03 07:47:19
End at: 2018-08-03 07:47:49
Local clock offset: -0.064 ms
Remote clock offset: 1.168 ms

# Below is generated by plot.py at 2018-08-03 08:47:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.49 Mbit/s
95th percentile per-packet one-way delay: 54.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.49 Mbit/s
95th percentile per-packet one-way delay: 54.469 ms
Loss rate: 0.00%
```

## Run 9: Report of Copa — Data Link

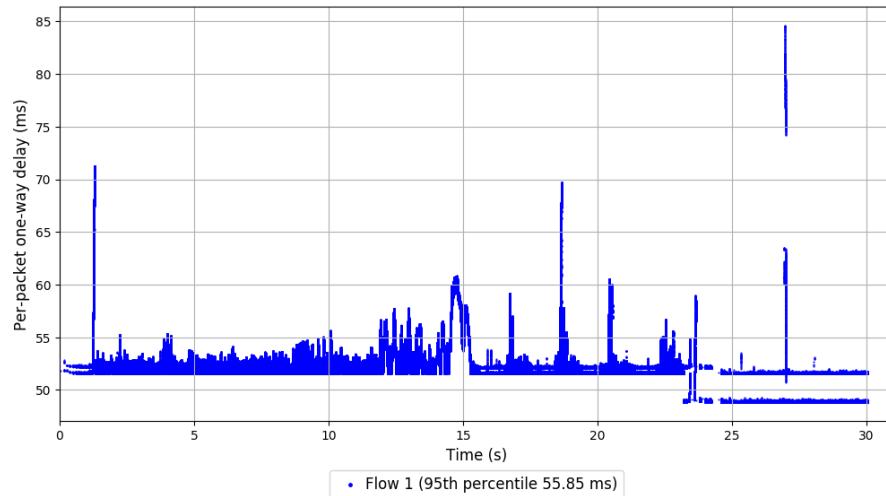
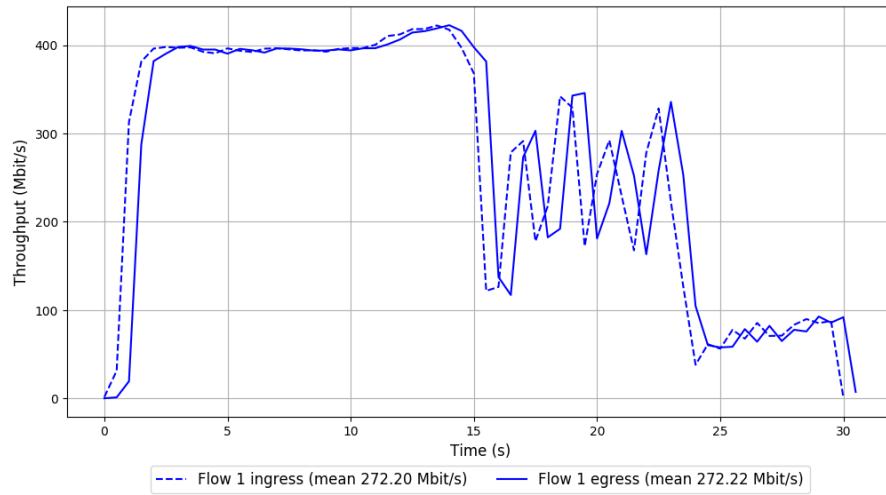


Run 10: Statistics of Copa

```
Start at: 2018-08-03 08:09:20
End at: 2018-08-03 08:09:50
Local clock offset: -0.117 ms
Remote clock offset: -1.478 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.22 Mbit/s
95th percentile per-packet one-way delay: 55.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.22 Mbit/s
95th percentile per-packet one-way delay: 55.846 ms
Loss rate: 0.00%
```

## Run 10: Report of Copa — Data Link

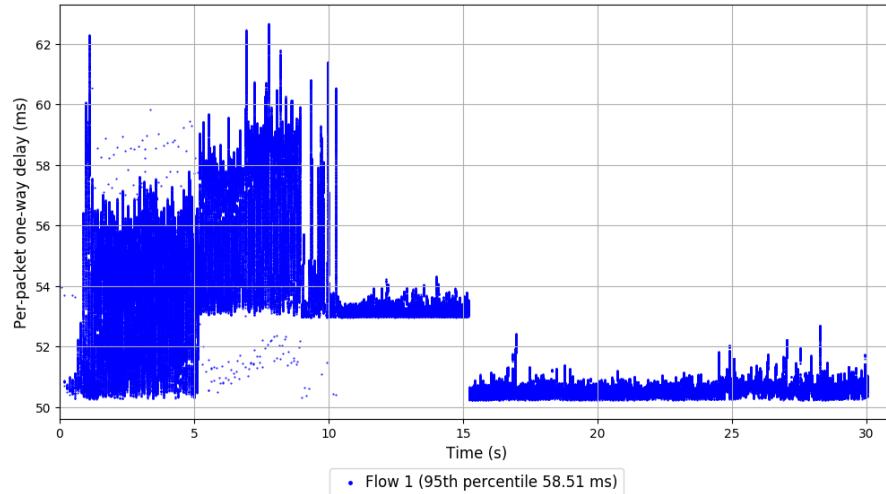
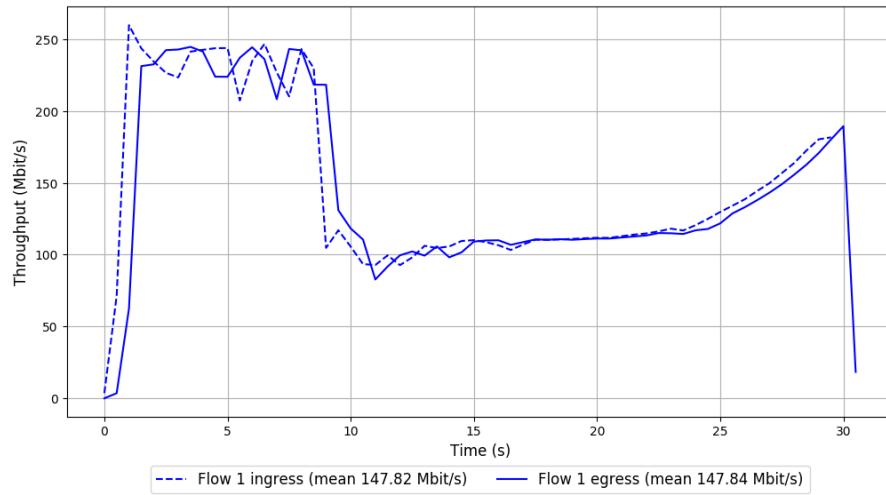


```
Run 1: Statistics of TCP Cubic

Start at: 2018-08-03 04:47:48
End at: 2018-08-03 04:48:18
Local clock offset: -0.047 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.84 Mbit/s
95th percentile per-packet one-way delay: 58.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.84 Mbit/s
95th percentile per-packet one-way delay: 58.506 ms
Loss rate: 0.00%
```

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

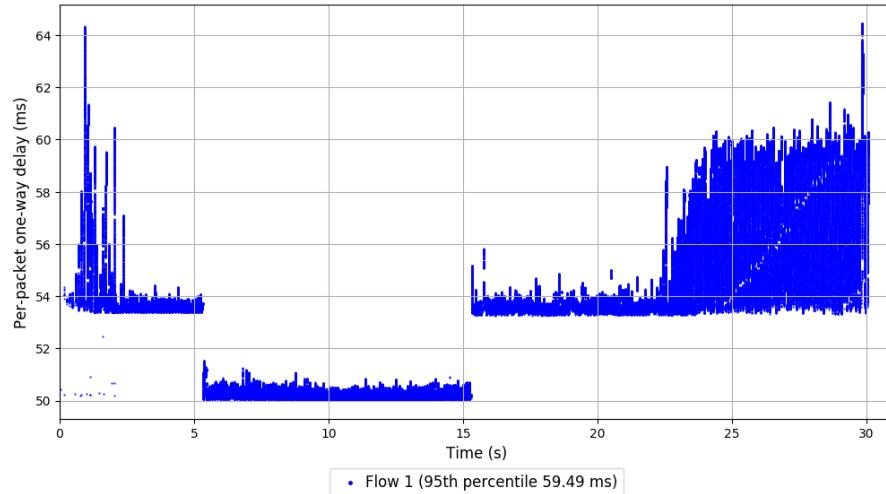
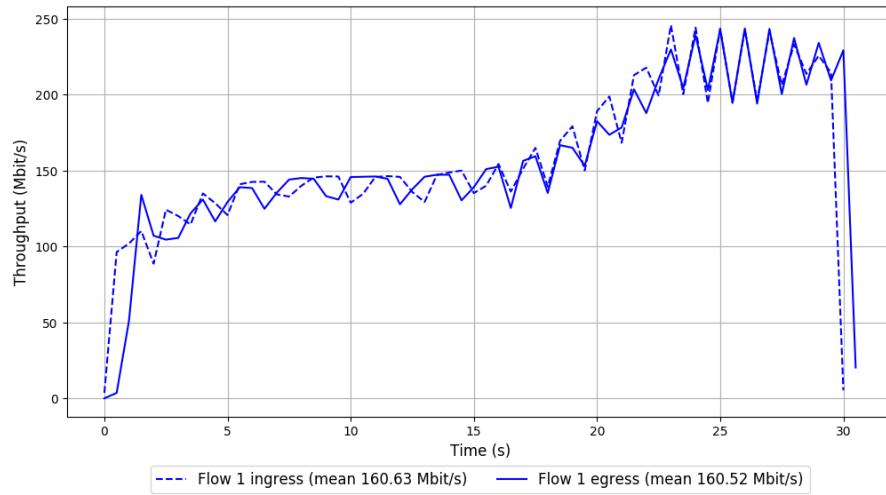


Run 2: Statistics of TCP Cubic

```
Start at: 2018-08-03 05:10:08
End at: 2018-08-03 05:10:38
Local clock offset: 0.007 ms
Remote clock offset: -0.328 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.52 Mbit/s
95th percentile per-packet one-way delay: 59.493 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 160.52 Mbit/s
95th percentile per-packet one-way delay: 59.493 ms
Loss rate: 0.04%
```

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

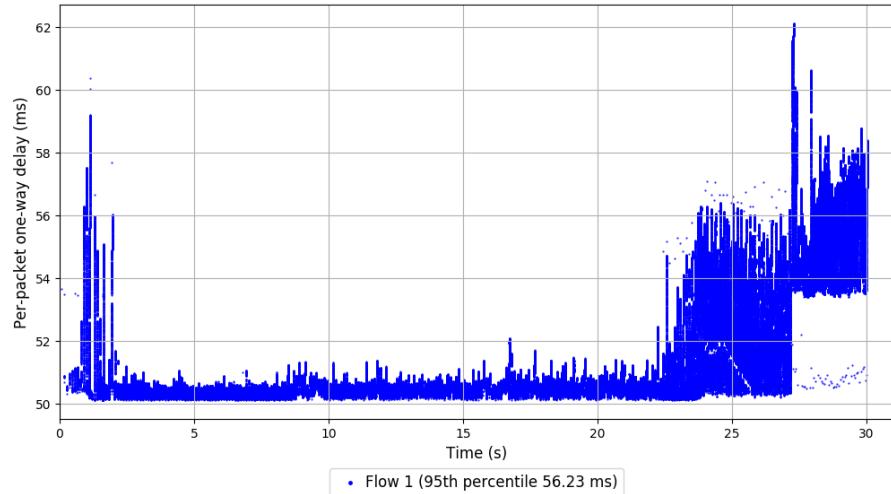
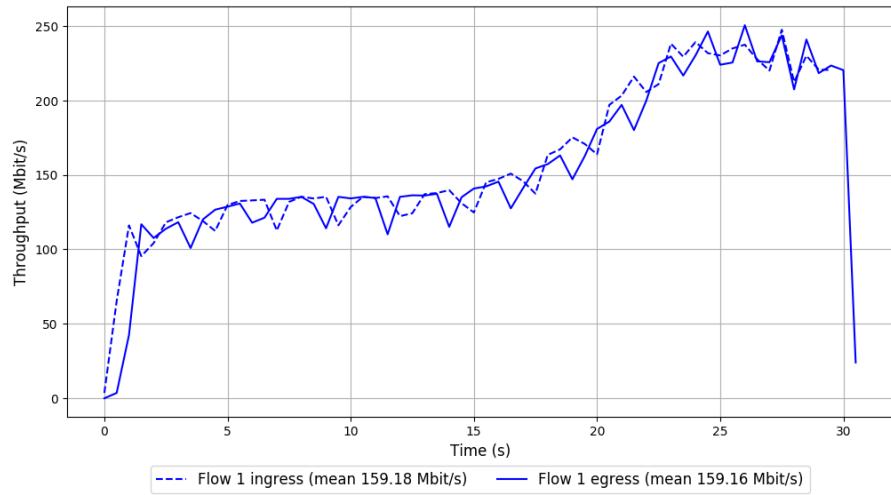


Run 3: Statistics of TCP Cubic

```
Start at: 2018-08-03 05:32:46
End at: 2018-08-03 05:33:16
Local clock offset: -0.021 ms
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.16 Mbit/s
95th percentile per-packet one-way delay: 56.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.16 Mbit/s
95th percentile per-packet one-way delay: 56.226 ms
Loss rate: 0.00%
```

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

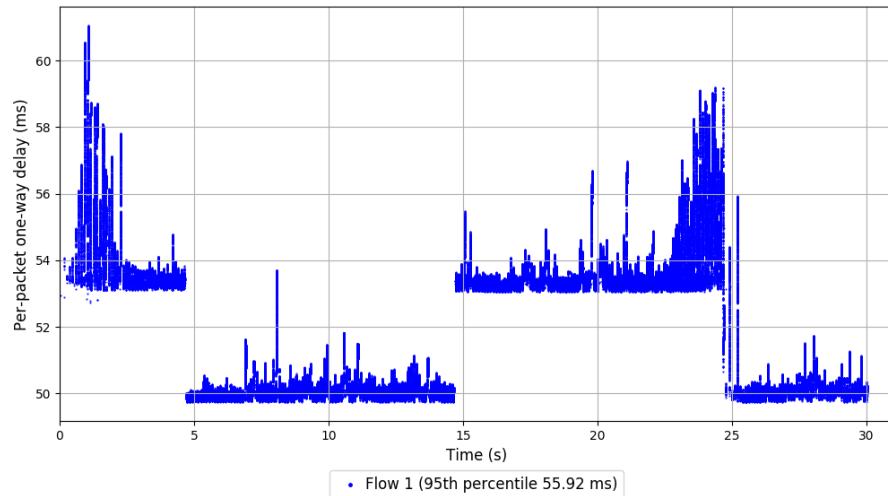
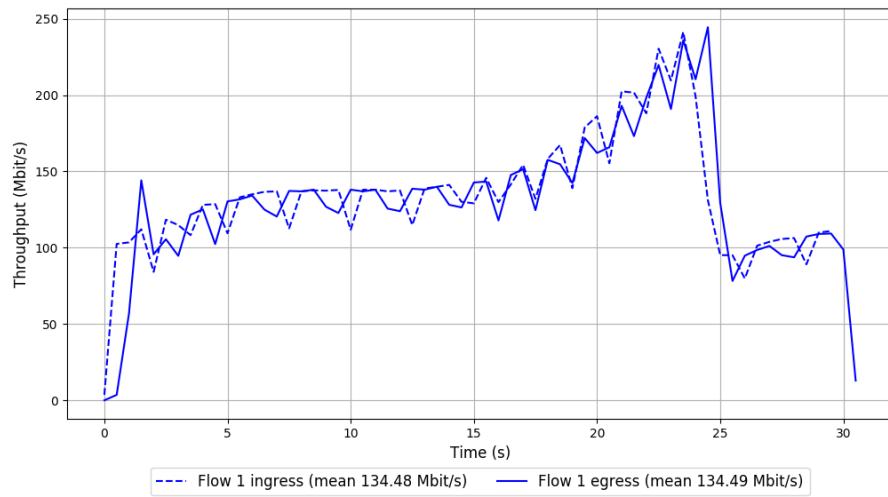


Run 4: Statistics of TCP Cubic

```
Start at: 2018-08-03 05:55:18
End at: 2018-08-03 05:55:48
Local clock offset: 0.219 ms
Remote clock offset: -0.381 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.49 Mbit/s
95th percentile per-packet one-way delay: 55.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.49 Mbit/s
95th percentile per-packet one-way delay: 55.921 ms
Loss rate: 0.00%
```

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

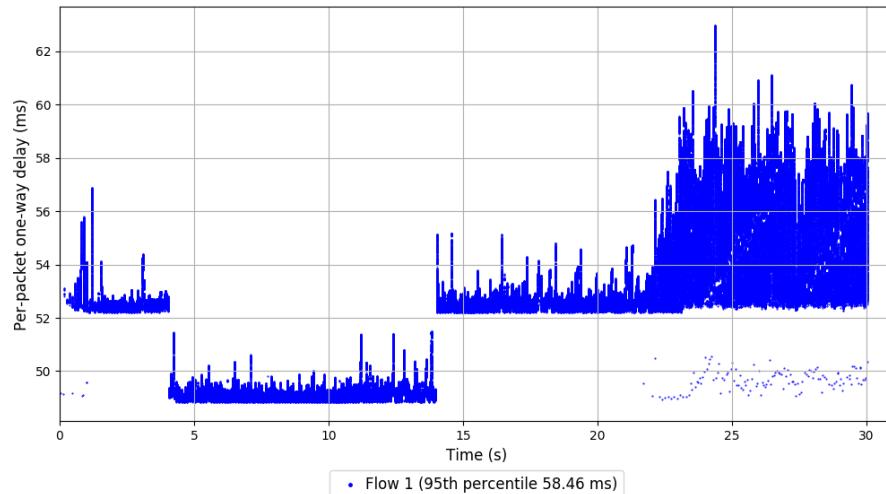
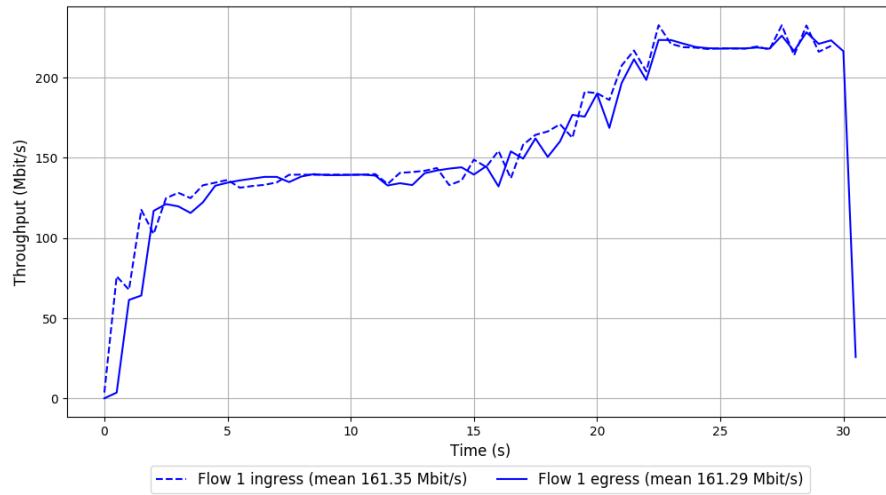


Run 5: Statistics of TCP Cubic

```
Start at: 2018-08-03 06:16:59
End at: 2018-08-03 06:17:29
Local clock offset: 0.039 ms
Remote clock offset: -1.464 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 161.29 Mbit/s
95th percentile per-packet one-way delay: 58.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.29 Mbit/s
95th percentile per-packet one-way delay: 58.462 ms
Loss rate: 0.00%
```

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

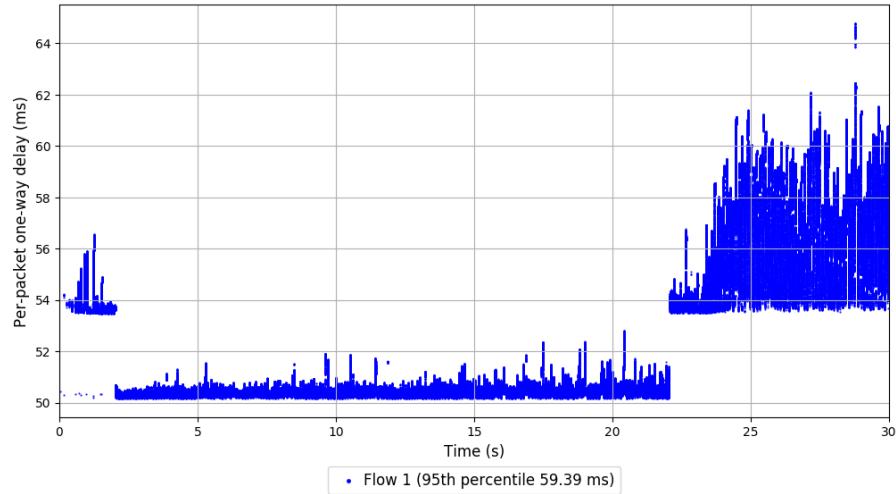
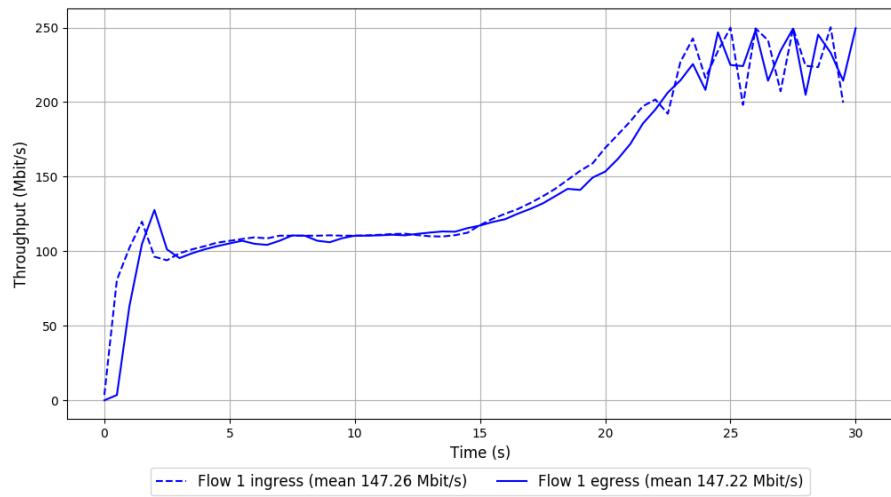


Run 6: Statistics of TCP Cubic

```
Start at: 2018-08-03 06:39:31
End at: 2018-08-03 06:40:01
Local clock offset: -0.007 ms
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.22 Mbit/s
95th percentile per-packet one-way delay: 59.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.22 Mbit/s
95th percentile per-packet one-way delay: 59.389 ms
Loss rate: 0.00%
```

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

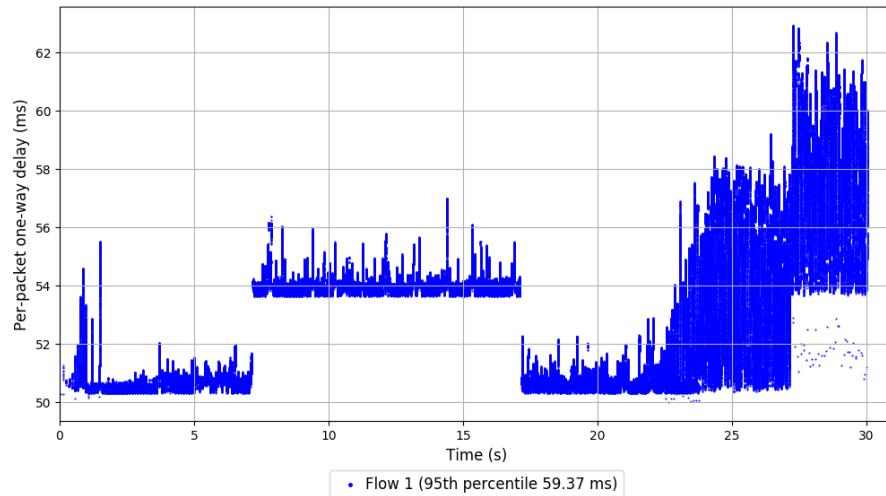
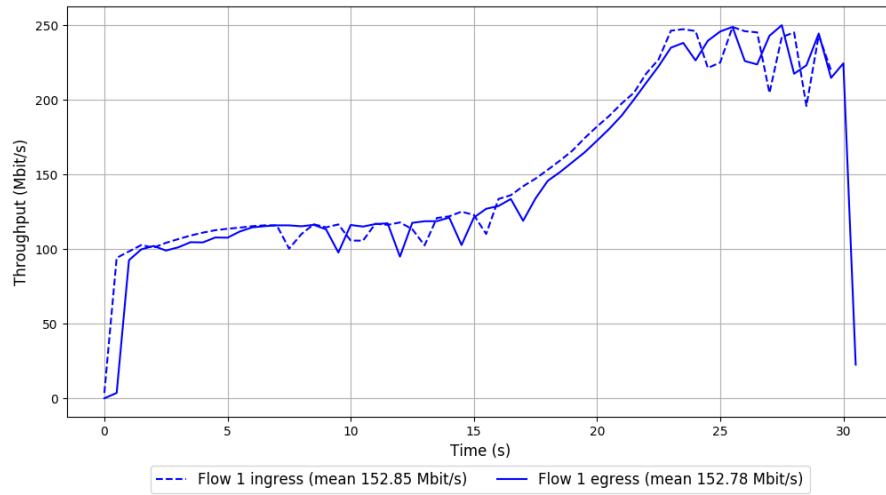


Run 7: Statistics of TCP Cubic

```
Start at: 2018-08-03 07:01:26
End at: 2018-08-03 07:01:56
Local clock offset: 0.04 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.78 Mbit/s
95th percentile per-packet one-way delay: 59.371 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 152.78 Mbit/s
95th percentile per-packet one-way delay: 59.371 ms
Loss rate: 0.01%
```

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

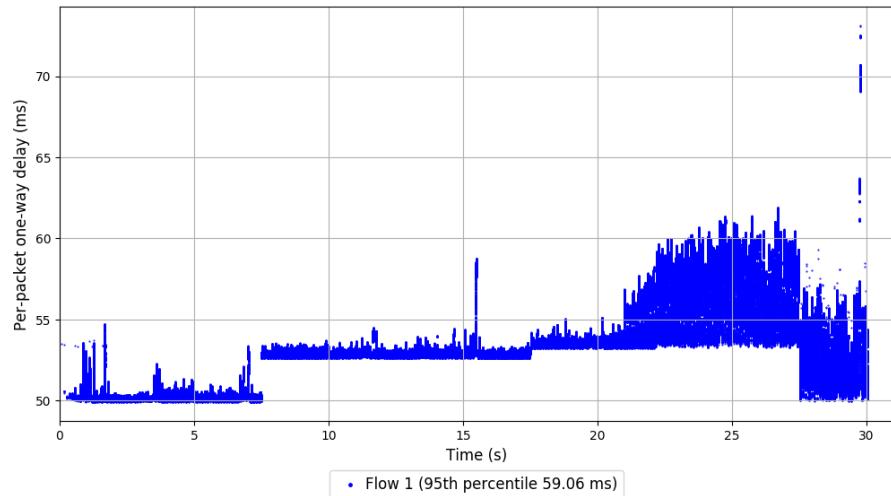
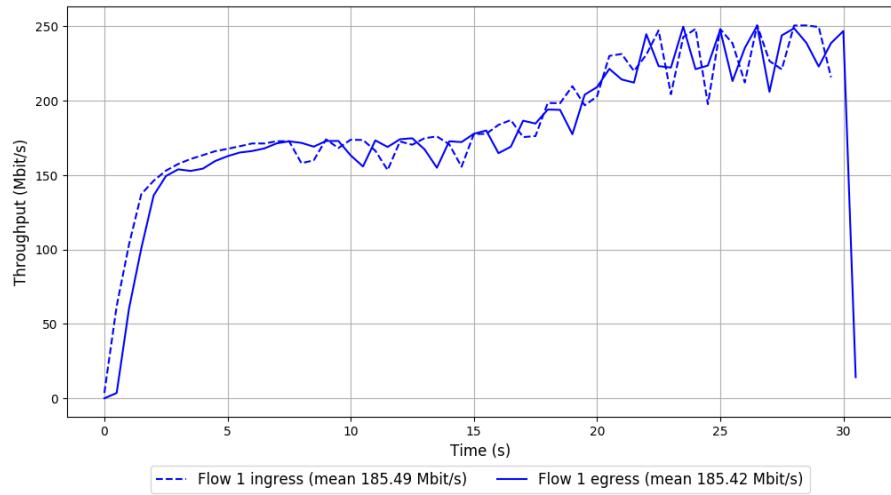


Run 8: Statistics of TCP Cubic

```
Start at: 2018-08-03 07:23:26
End at: 2018-08-03 07:23:56
Local clock offset: 0.057 ms
Remote clock offset: -0.319 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.42 Mbit/s
95th percentile per-packet one-way delay: 59.056 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 185.42 Mbit/s
95th percentile per-packet one-way delay: 59.056 ms
Loss rate: 0.04%
```

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

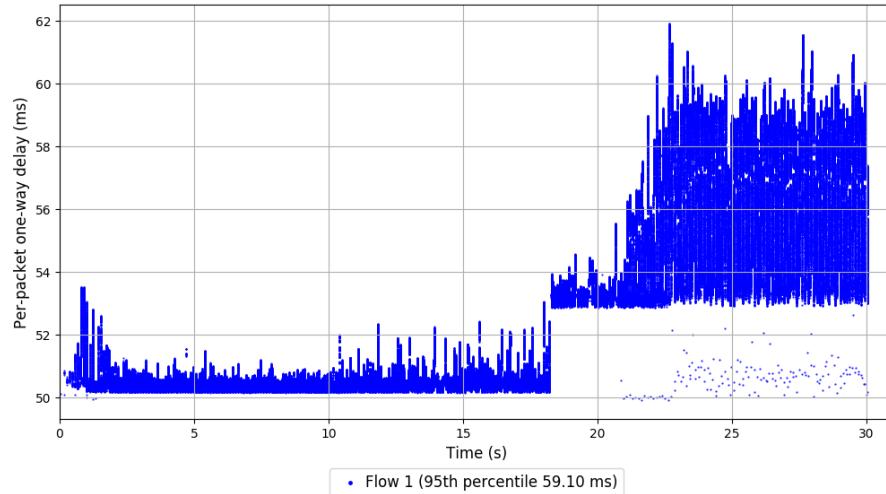
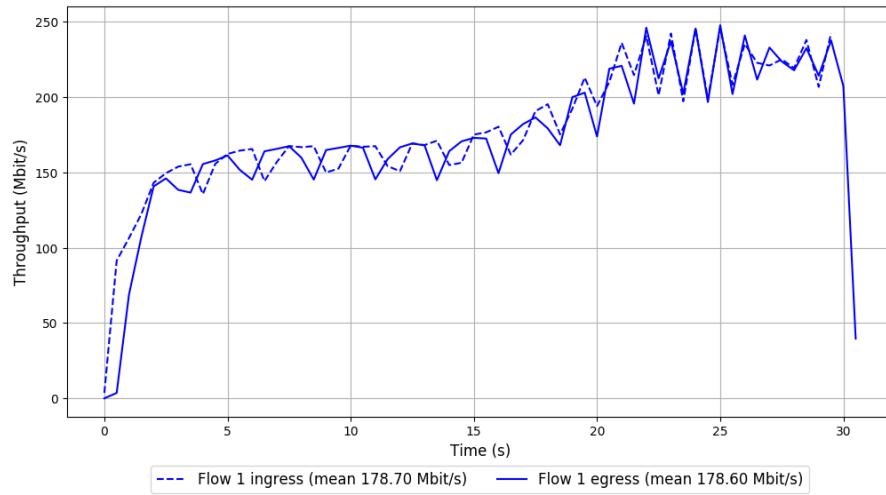


Run 9: Statistics of TCP Cubic

```
Start at: 2018-08-03 07:46:05
End at: 2018-08-03 07:46:35
Local clock offset: -0.263 ms
Remote clock offset: -0.282 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.60 Mbit/s
95th percentile per-packet one-way delay: 59.099 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 178.60 Mbit/s
95th percentile per-packet one-way delay: 59.099 ms
Loss rate: 0.04%
```

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

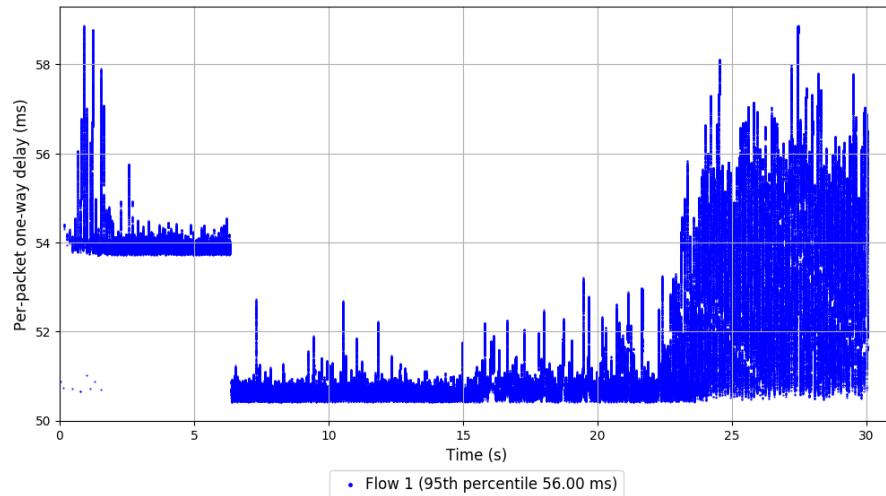
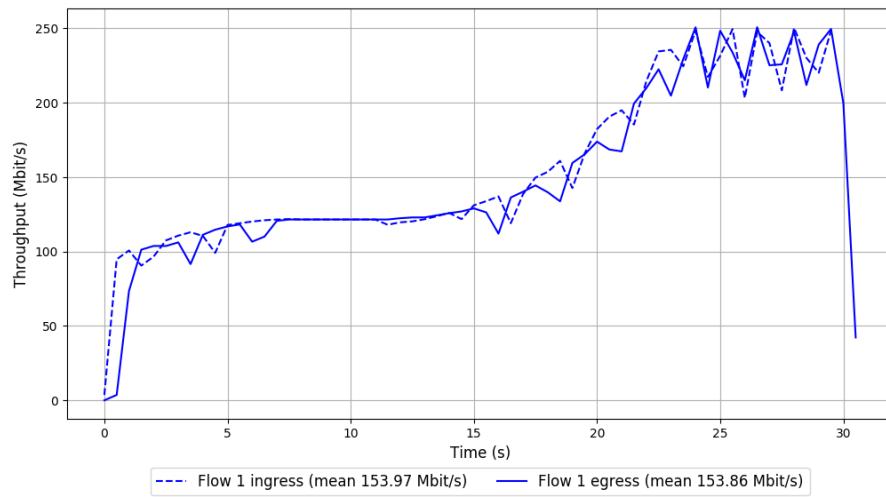


Run 10: Statistics of TCP Cubic

```
Start at: 2018-08-03 08:08:07
End at: 2018-08-03 08:08:37
Local clock offset: -0.061 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-08-03 08:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.86 Mbit/s
95th percentile per-packet one-way delay: 56.004 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 153.86 Mbit/s
95th percentile per-packet one-way delay: 56.004 ms
Loss rate: 0.07%
```

Run 10: Report of TCP Cubic — Data Link

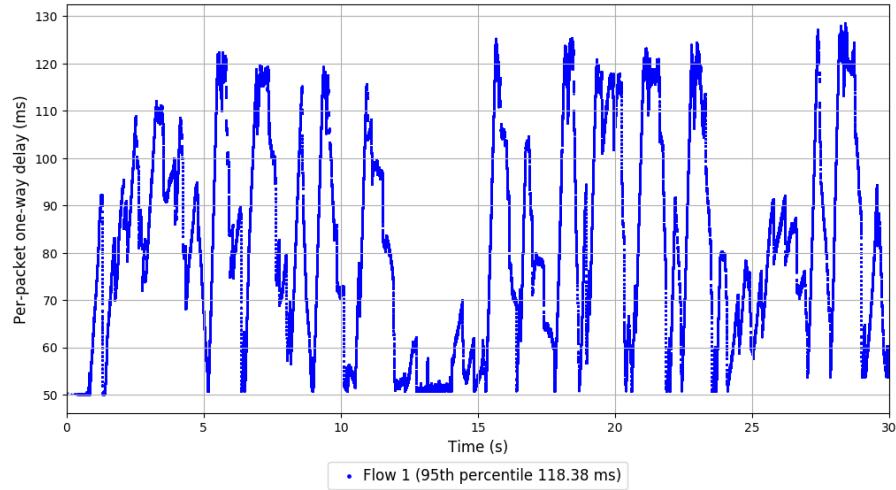
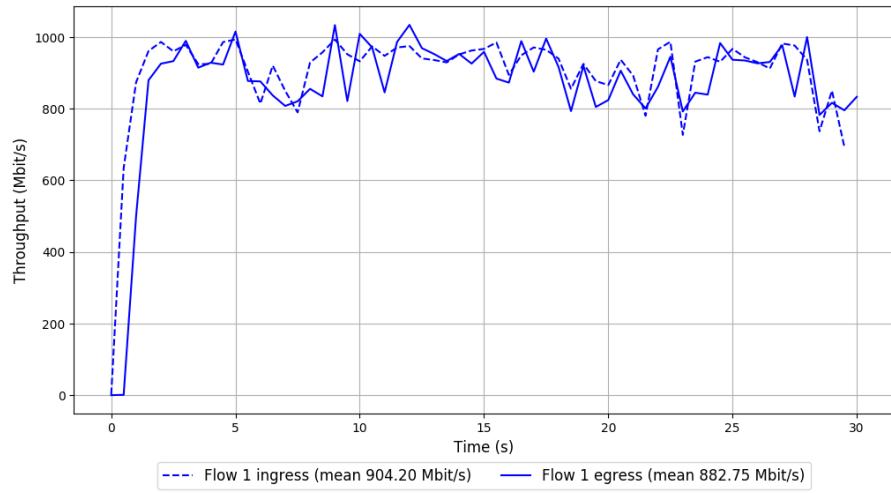


```
Run 1: Statistics of FillP

Start at: 2018-08-03 04:41:29
End at: 2018-08-03 04:41:59
Local clock offset: -0.017 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-08-03 09:04:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 882.75 Mbit/s
95th percentile per-packet one-way delay: 118.375 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 882.75 Mbit/s
95th percentile per-packet one-way delay: 118.375 ms
Loss rate: 2.36%
```

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

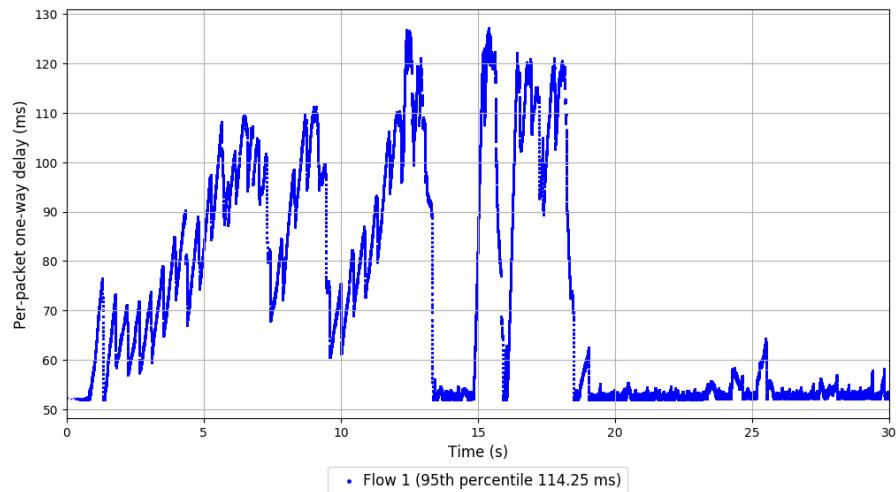
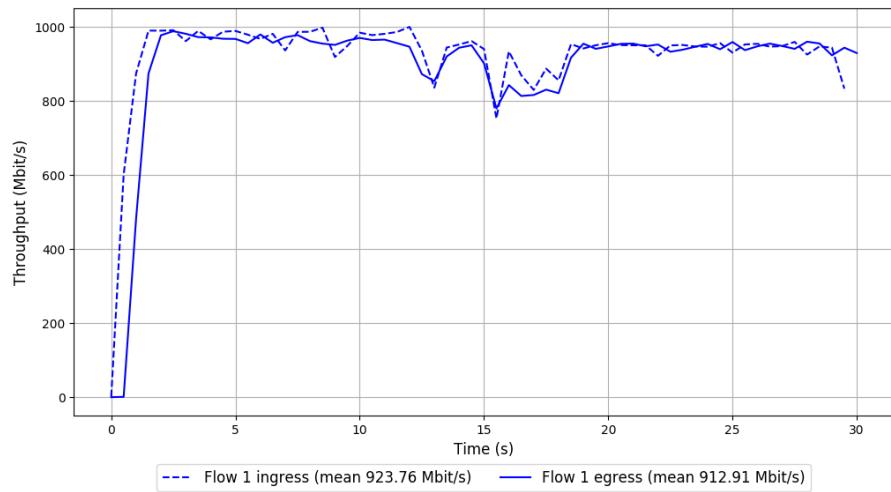


Run 2: Statistics of FillP

```
Start at: 2018-08-03 05:03:51
End at: 2018-08-03 05:04:21
Local clock offset: -0.134 ms
Remote clock offset: -1.522 ms

# Below is generated by plot.py at 2018-08-03 09:04:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 912.91 Mbit/s
95th percentile per-packet one-way delay: 114.253 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 912.91 Mbit/s
95th percentile per-packet one-way delay: 114.253 ms
Loss rate: 1.18%
```

## Run 2: Report of FillP — Data Link

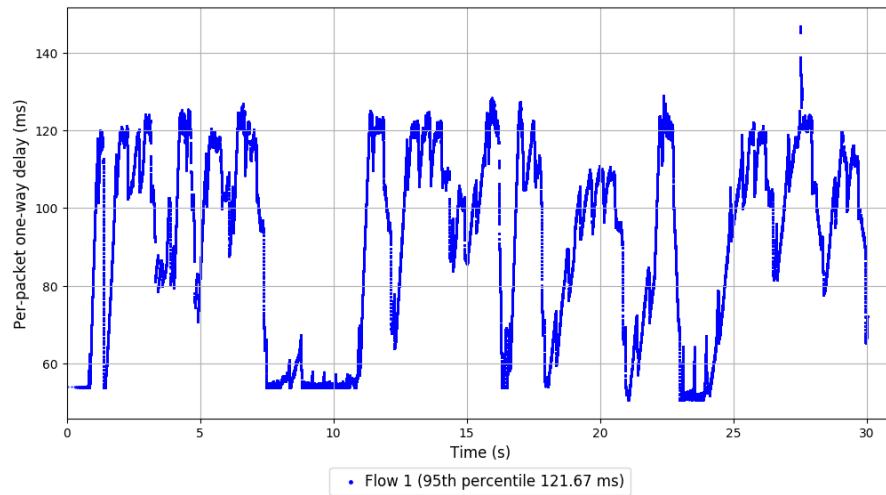
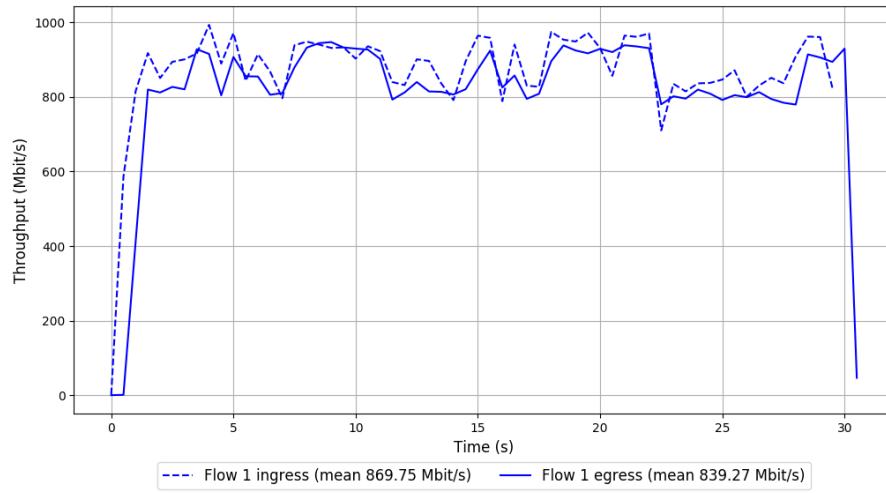


```
Run 3: Statistics of FillP
```

```
Start at: 2018-08-03 05:26:26
End at: 2018-08-03 05:26:56
Local clock offset: -0.261 ms
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2018-08-03 09:04:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 839.27 Mbit/s
95th percentile per-packet one-way delay: 121.669 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 839.27 Mbit/s
95th percentile per-packet one-way delay: 121.669 ms
Loss rate: 3.50%
```

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

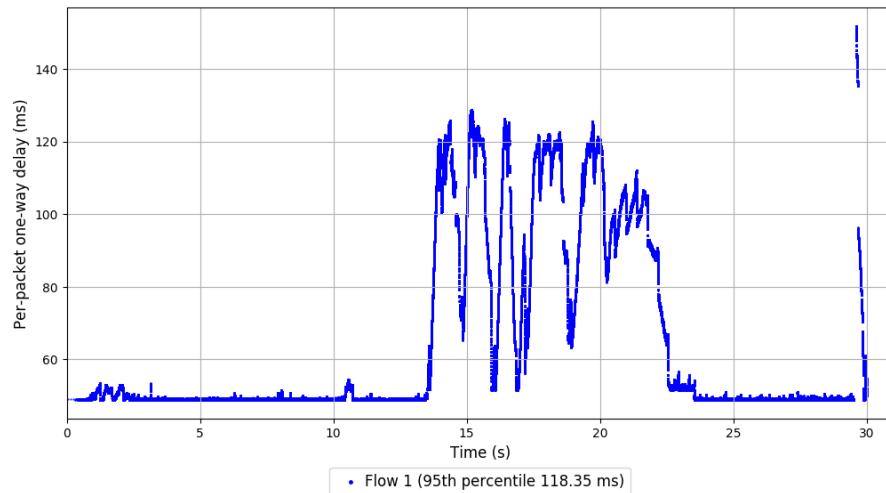
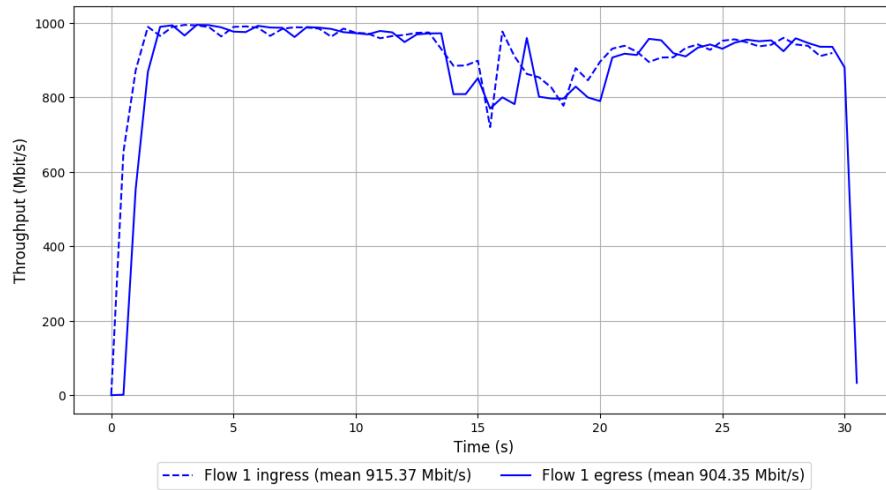


Run 4: Statistics of FillP

```
Start at: 2018-08-03 05:49:00
End at: 2018-08-03 05:49:30
Local clock offset: 0.008 ms
Remote clock offset: -1.475 ms

# Below is generated by plot.py at 2018-08-03 09:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 904.35 Mbit/s
95th percentile per-packet one-way delay: 118.352 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 904.35 Mbit/s
95th percentile per-packet one-way delay: 118.352 ms
Loss rate: 1.20%
```

## Run 4: Report of FillP — Data Link

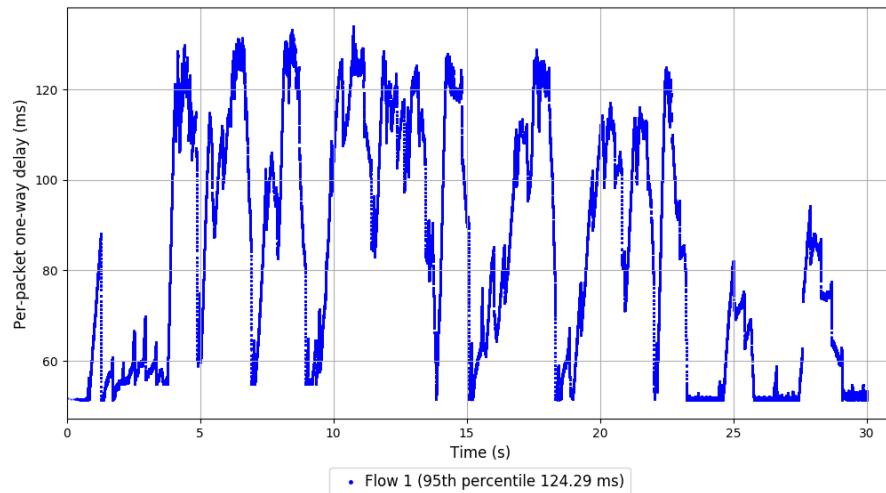
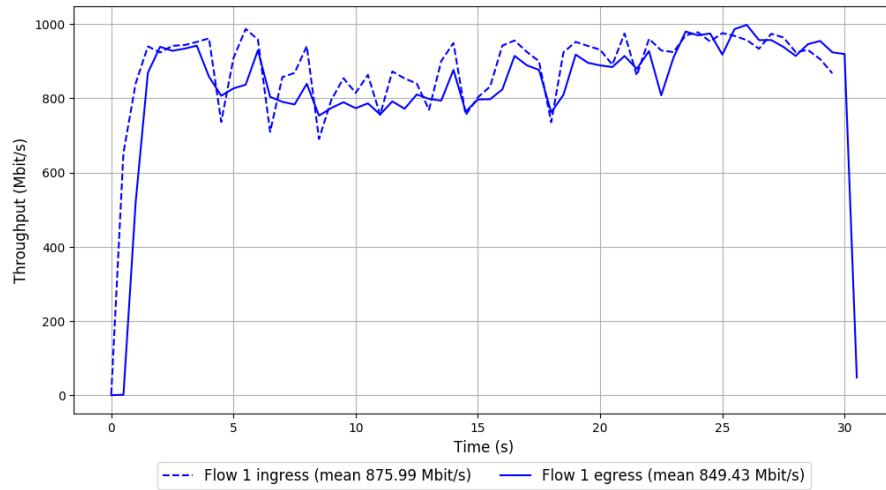


```
Run 5: Statistics of FillP
```

```
Start at: 2018-08-03 06:10:41
End at: 2018-08-03 06:11:11
Local clock offset: -0.086 ms
Remote clock offset: 0.971 ms

# Below is generated by plot.py at 2018-08-03 09:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 849.43 Mbit/s
95th percentile per-packet one-way delay: 124.291 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 849.43 Mbit/s
95th percentile per-packet one-way delay: 124.291 ms
Loss rate: 3.03%
```

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

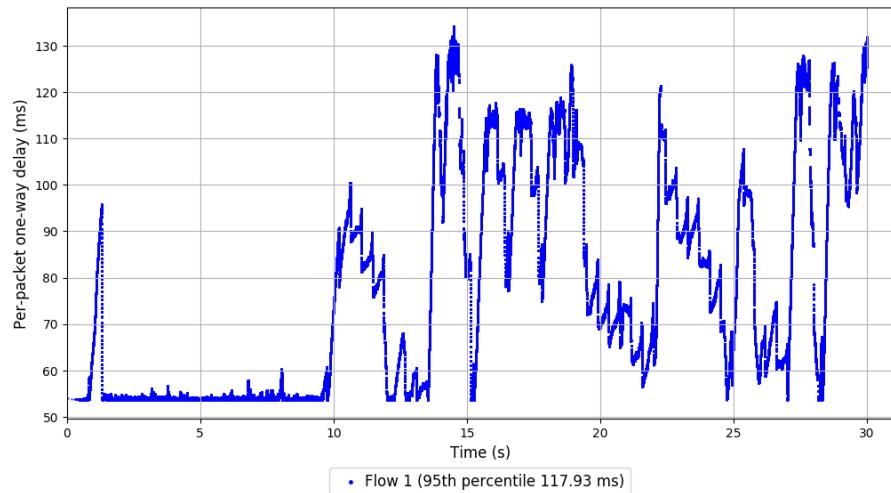
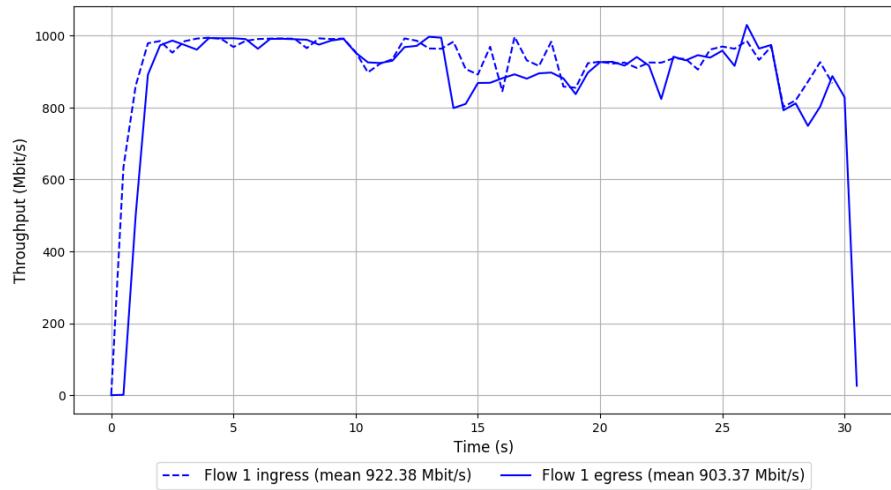


Run 6: Statistics of FillP

```
Start at: 2018-08-03 06:33:12
End at: 2018-08-03 06:33:42
Local clock offset: -0.106 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-08-03 09:05:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 903.37 Mbit/s
95th percentile per-packet one-way delay: 117.929 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 903.37 Mbit/s
95th percentile per-packet one-way delay: 117.929 ms
Loss rate: 2.06%
```

## Run 6: Report of FillP — Data Link

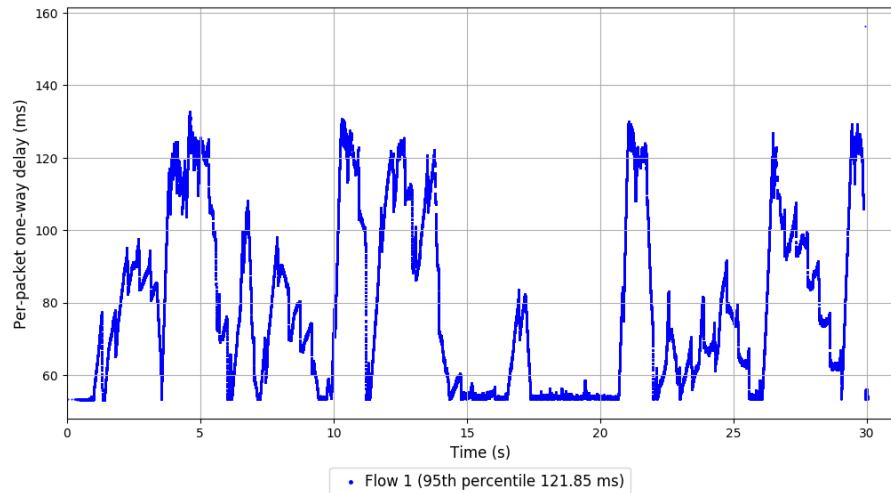
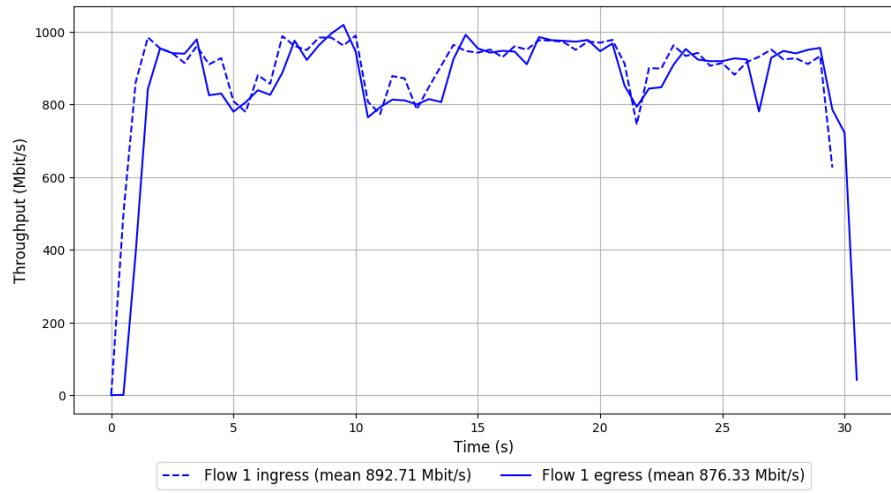


Run 7: Statistics of FillP

```
Start at: 2018-08-03 06:55:08
End at: 2018-08-03 06:55:38
Local clock offset: 0.169 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-08-03 09:05:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 876.33 Mbit/s
95th percentile per-packet one-way delay: 121.847 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 876.33 Mbit/s
95th percentile per-packet one-way delay: 121.847 ms
Loss rate: 1.84%
```

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

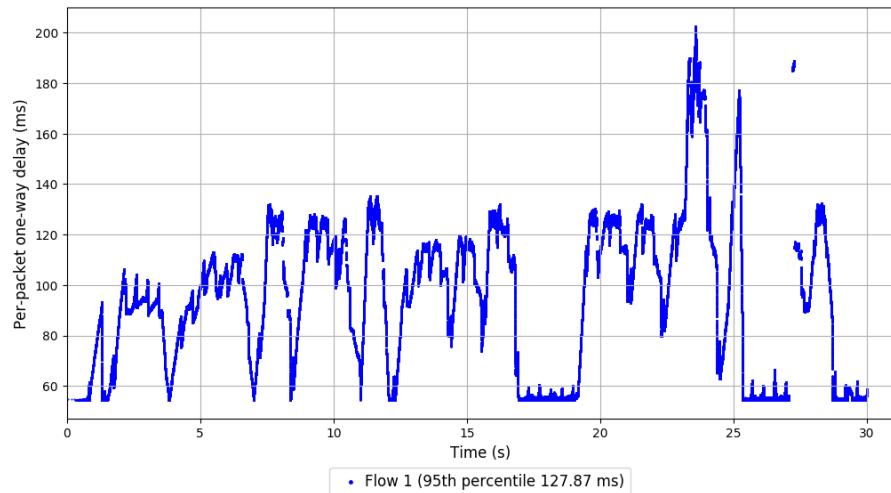
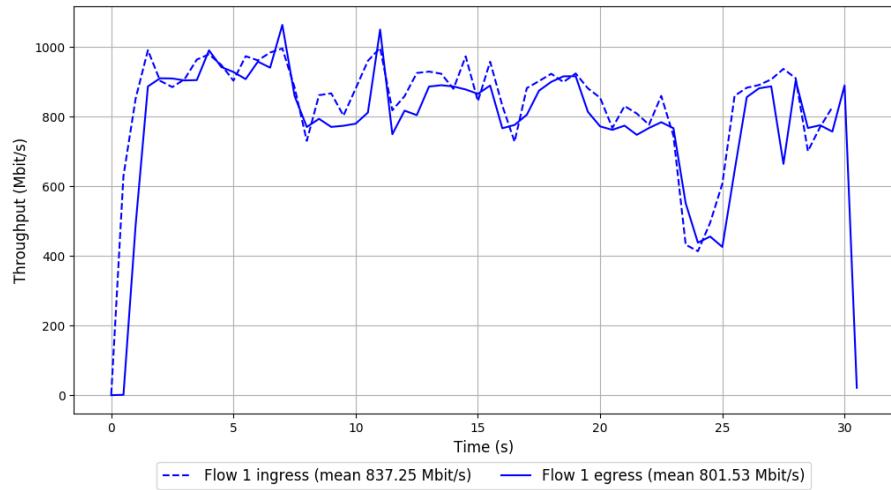


Run 8: Statistics of FillP

```
Start at: 2018-08-03 07:17:14
End at: 2018-08-03 07:17:44
Local clock offset: -0.008 ms
Remote clock offset: 0.847 ms

# Below is generated by plot.py at 2018-08-03 09:05:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 801.53 Mbit/s
95th percentile per-packet one-way delay: 127.866 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 801.53 Mbit/s
95th percentile per-packet one-way delay: 127.866 ms
Loss rate: 4.28%
```

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

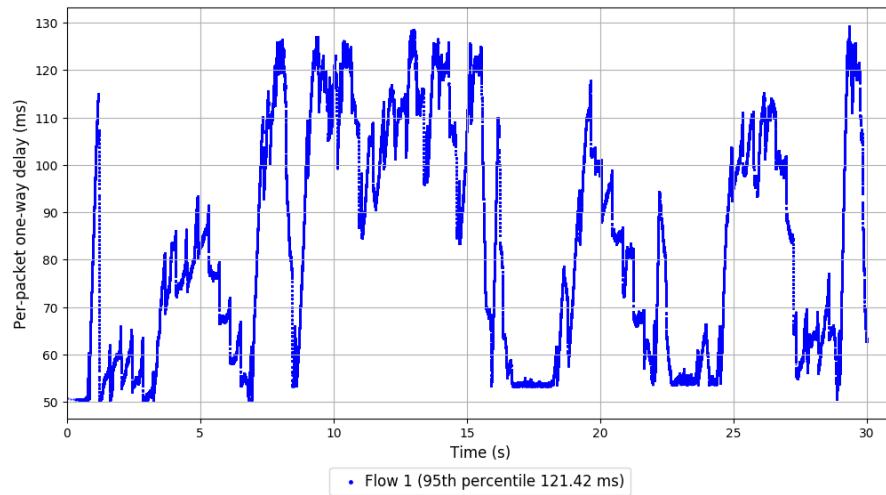
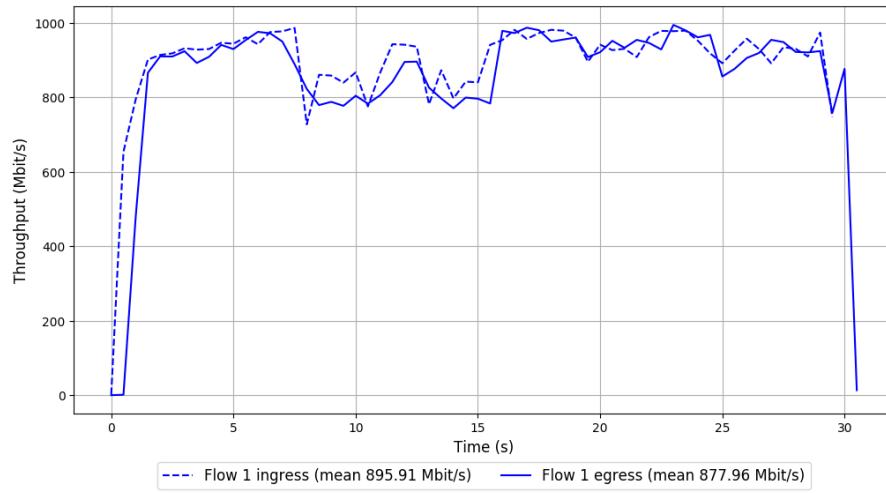


Run 9: Statistics of FillP

```
Start at: 2018-08-03 07:39:46
End at: 2018-08-03 07:40:16
Local clock offset: 0.061 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-08-03 09:20:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 877.96 Mbit/s
95th percentile per-packet one-way delay: 121.418 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 877.96 Mbit/s
95th percentile per-packet one-way delay: 121.418 ms
Loss rate: 2.00%
```

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

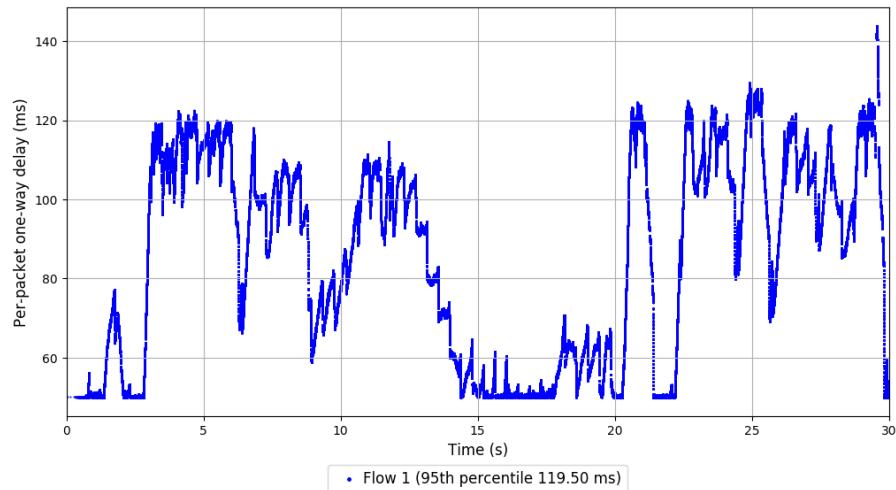
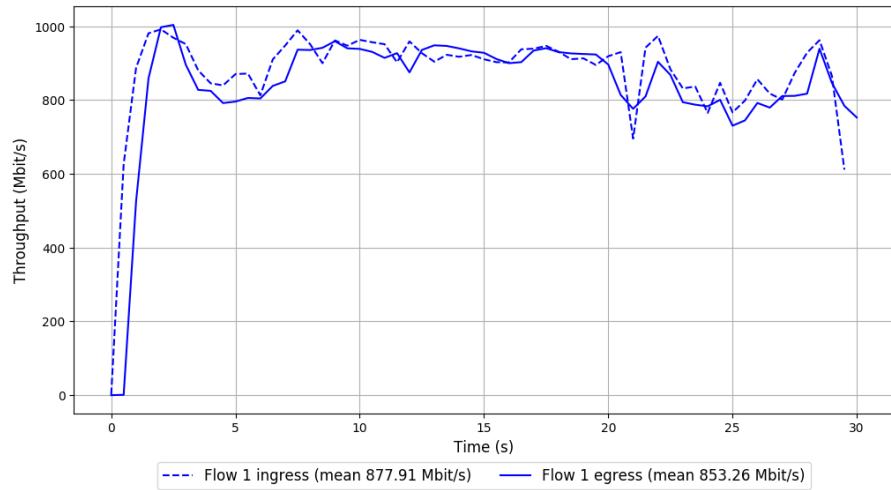


Run 10: Statistics of FillP

```
Start at: 2018-08-03 08:01:47
End at: 2018-08-03 08:02:17
Local clock offset: -0.06 ms
Remote clock offset: -0.302 ms

# Below is generated by plot.py at 2018-08-03 09:20:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 853.26 Mbit/s
95th percentile per-packet one-way delay: 119.497 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 853.26 Mbit/s
95th percentile per-packet one-way delay: 119.497 ms
Loss rate: 2.80%
```

## Run 10: Report of FillP — Data Link

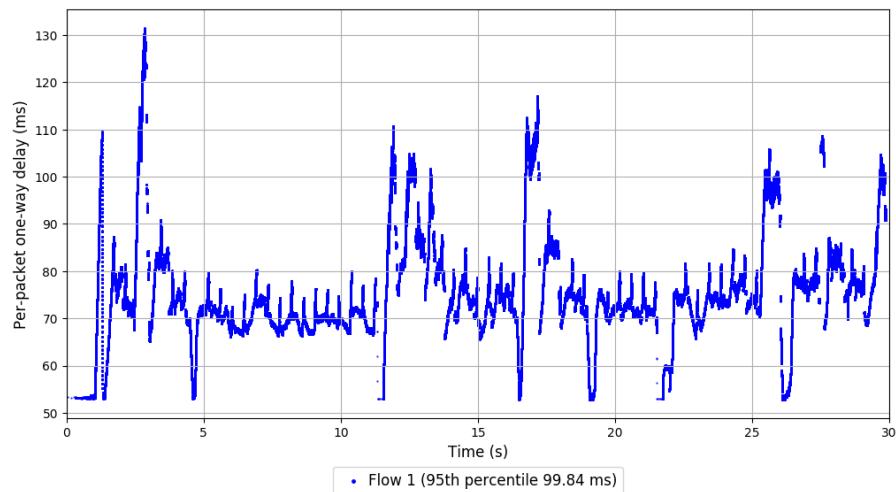
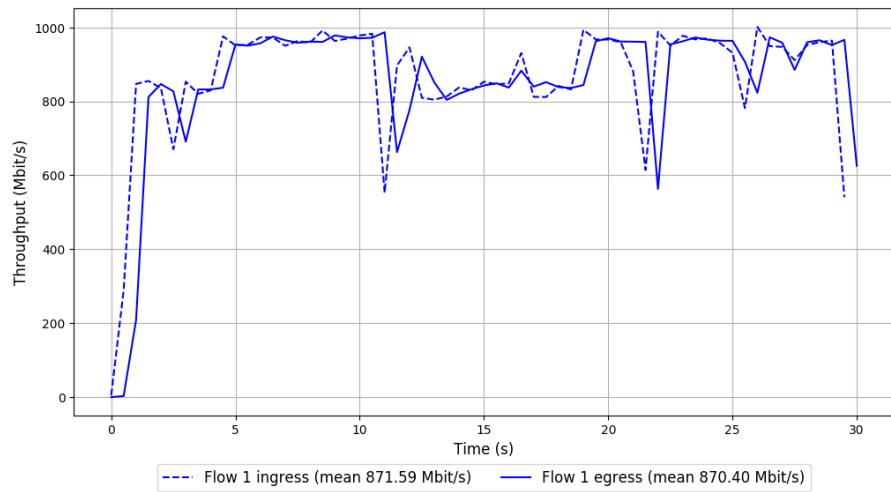


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2018-08-03 04:44:36
End at: 2018-08-03 04:45:06
Local clock offset: 0.132 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2018-08-03 09:20:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 870.40 Mbit/s
95th percentile per-packet one-way delay: 99.837 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 870.40 Mbit/s
95th percentile per-packet one-way delay: 99.837 ms
Loss rate: 0.13%
```

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

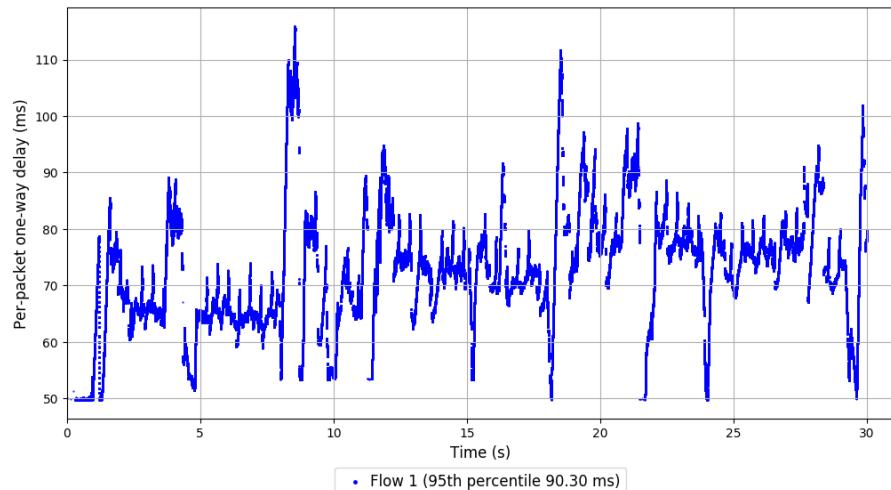
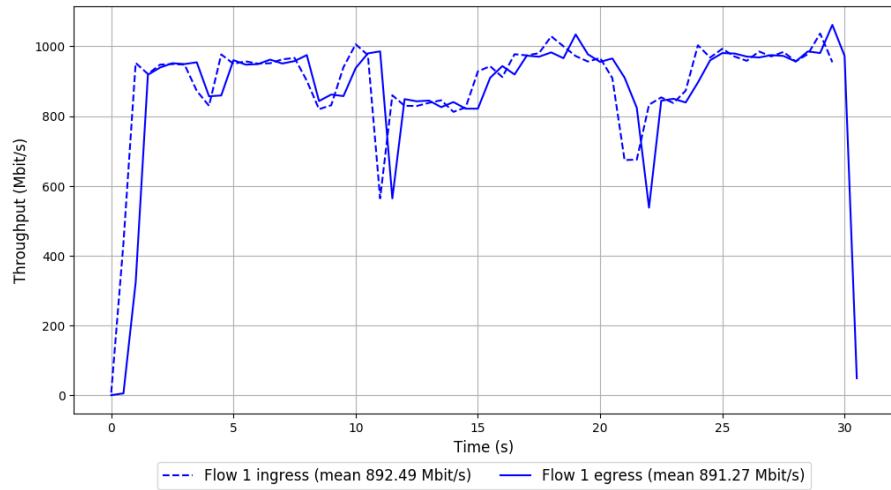


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-08-03 05:06:56
End at: 2018-08-03 05:07:26
Local clock offset: 0.121 ms
Remote clock offset: -0.194 ms

# Below is generated by plot.py at 2018-08-03 09:21:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 891.27 Mbit/s
95th percentile per-packet one-way delay: 90.297 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 891.27 Mbit/s
95th percentile per-packet one-way delay: 90.297 ms
Loss rate: 0.12%
```

## Run 2: Report of FillP-Sheep — Data Link

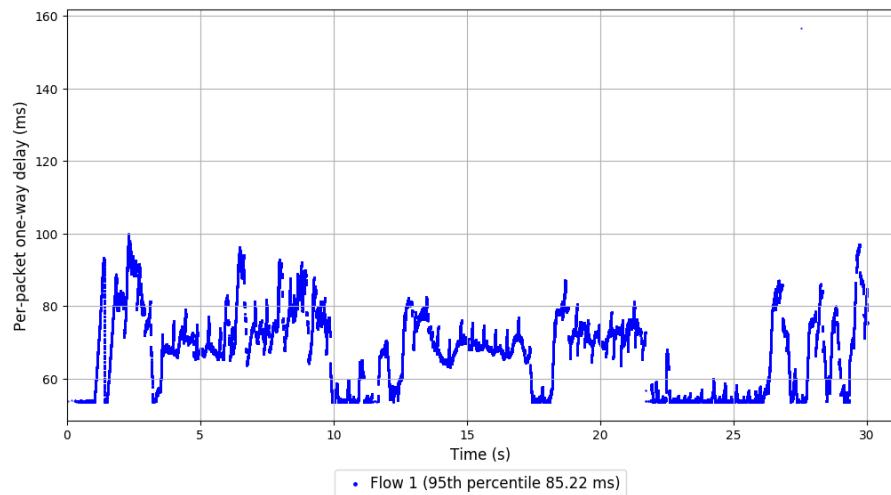
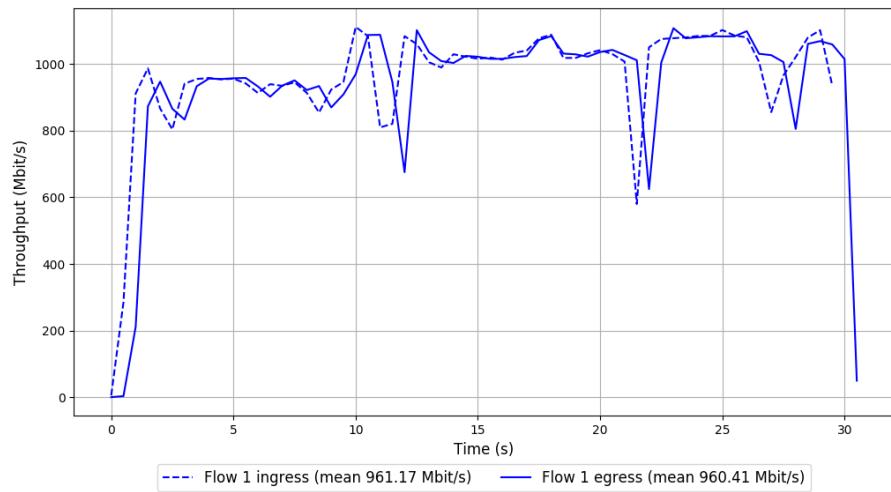


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-08-03 05:29:33
End at: 2018-08-03 05:30:03
Local clock offset: -0.032 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-08-03 09:22:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 960.41 Mbit/s
95th percentile per-packet one-way delay: 85.223 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 960.41 Mbit/s
95th percentile per-packet one-way delay: 85.223 ms
Loss rate: 0.08%
```

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

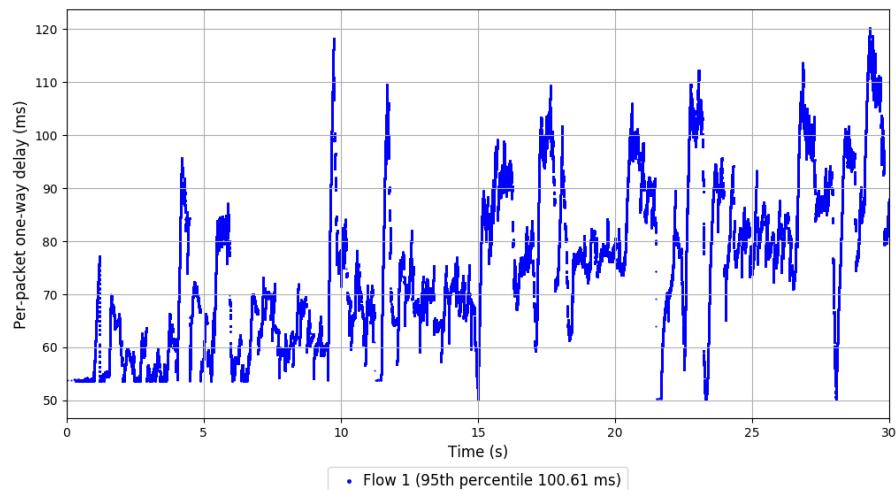
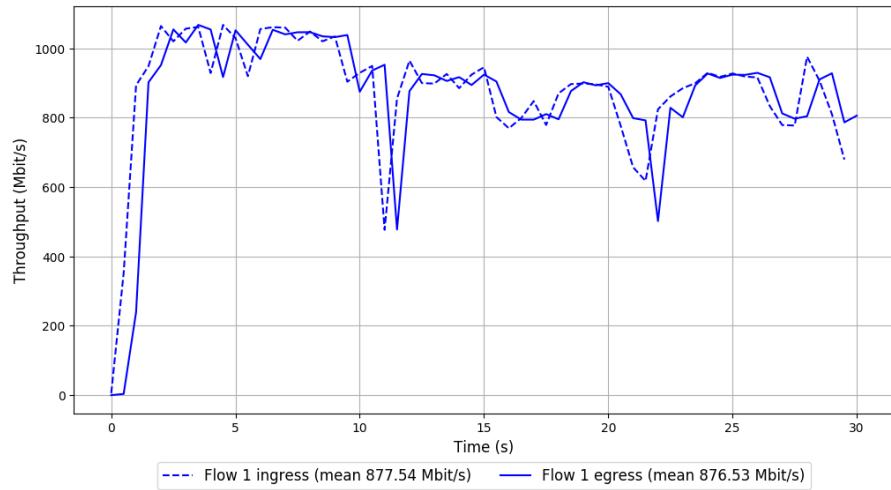


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-08-03 05:52:08
End at: 2018-08-03 05:52:38
Local clock offset: 0.246 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-08-03 09:22:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 876.53 Mbit/s
95th percentile per-packet one-way delay: 100.607 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 876.53 Mbit/s
95th percentile per-packet one-way delay: 100.607 ms
Loss rate: 0.11%
```

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

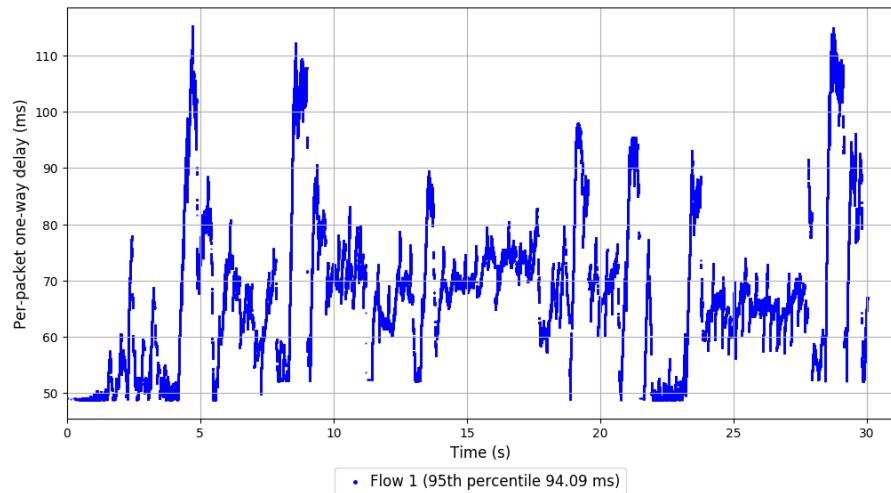
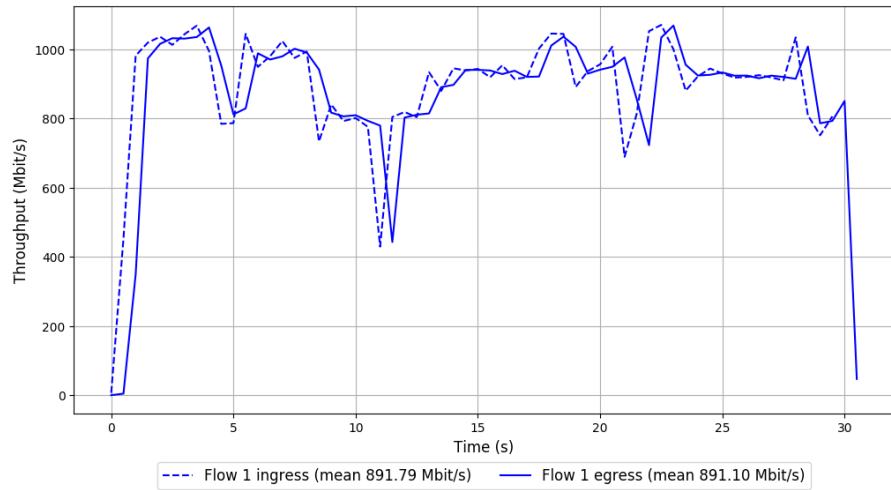


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-08-03 06:13:47
End at: 2018-08-03 06:14:17
Local clock offset: 0.125 ms
Remote clock offset: -1.332 ms

# Below is generated by plot.py at 2018-08-03 09:22:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 891.10 Mbit/s
95th percentile per-packet one-way delay: 94.095 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 891.10 Mbit/s
95th percentile per-packet one-way delay: 94.095 ms
Loss rate: 0.08%
```

Run 5: Report of FillP-Sheep — Data Link

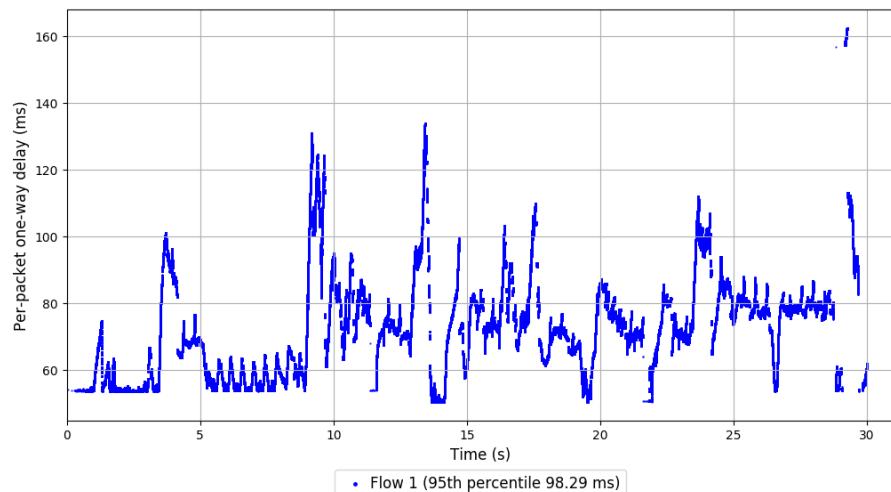
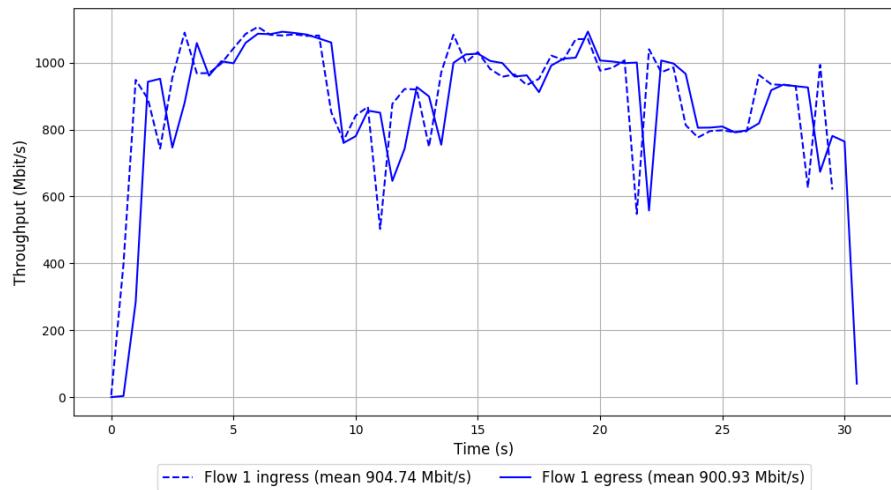


Run 6: Statistics of FillP-Sheep

```
Start at: 2018-08-03 06:36:21
End at: 2018-08-03 06:36:51
Local clock offset: -0.234 ms
Remote clock offset: -0.207 ms

# Below is generated by plot.py at 2018-08-03 09:22:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 900.93 Mbit/s
95th percentile per-packet one-way delay: 98.287 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 900.93 Mbit/s
95th percentile per-packet one-way delay: 98.287 ms
Loss rate: 0.43%
```

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

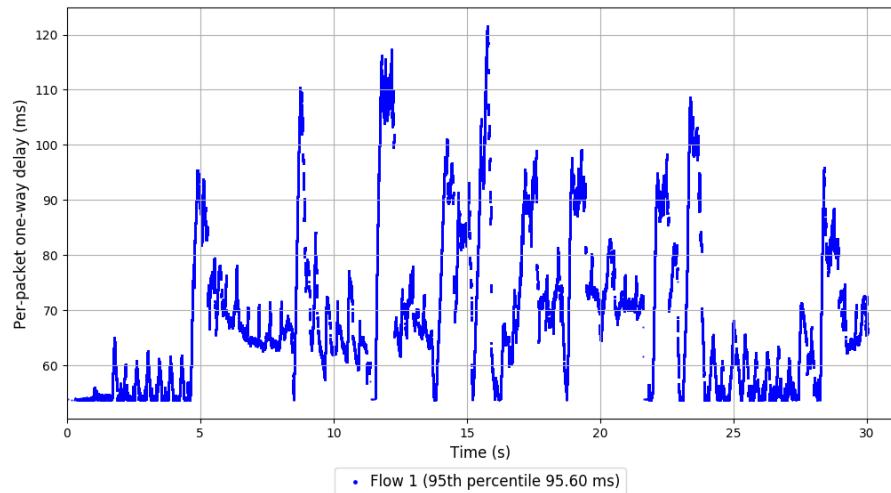
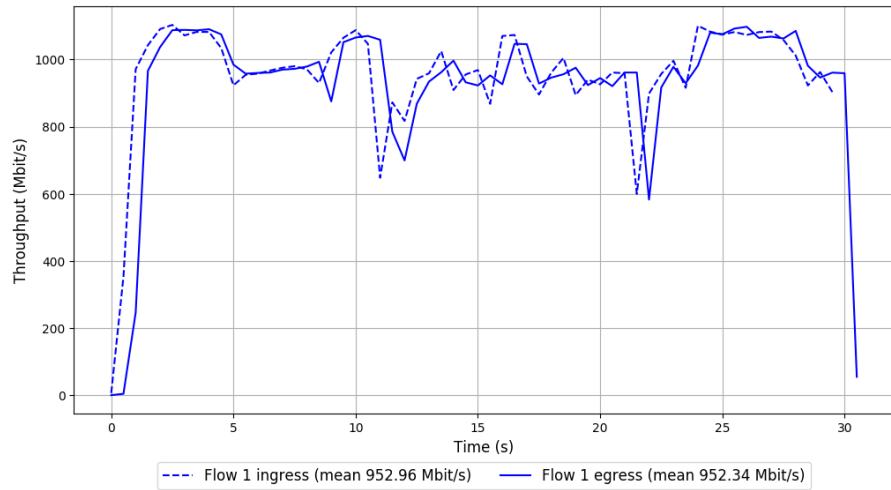


Run 7: Statistics of FillP-Sheep

```
Start at: 2018-08-03 06:58:14
End at: 2018-08-03 06:58:44
Local clock offset: -0.164 ms
Remote clock offset: -0.319 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 952.34 Mbit/s
95th percentile per-packet one-way delay: 95.600 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 952.34 Mbit/s
95th percentile per-packet one-way delay: 95.600 ms
Loss rate: 0.06%
```

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

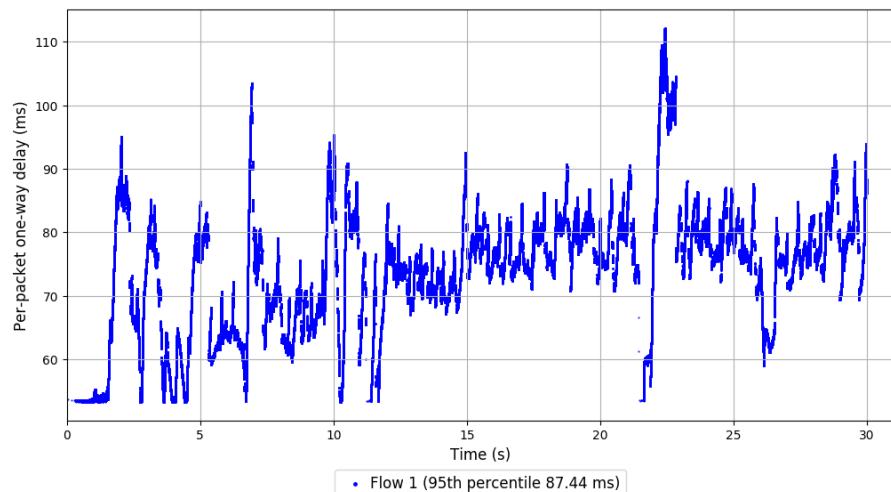
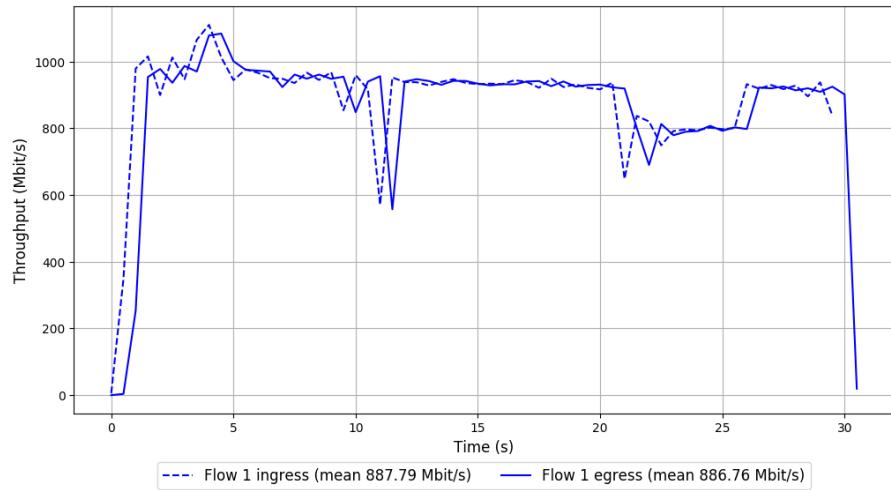


Run 8: Statistics of FillP-Sheep

```
Start at: 2018-08-03 07:20:16
End at: 2018-08-03 07:20:46
Local clock offset: 0.165 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 886.76 Mbit/s
95th percentile per-packet one-way delay: 87.444 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 886.76 Mbit/s
95th percentile per-packet one-way delay: 87.444 ms
Loss rate: 0.13%
```

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

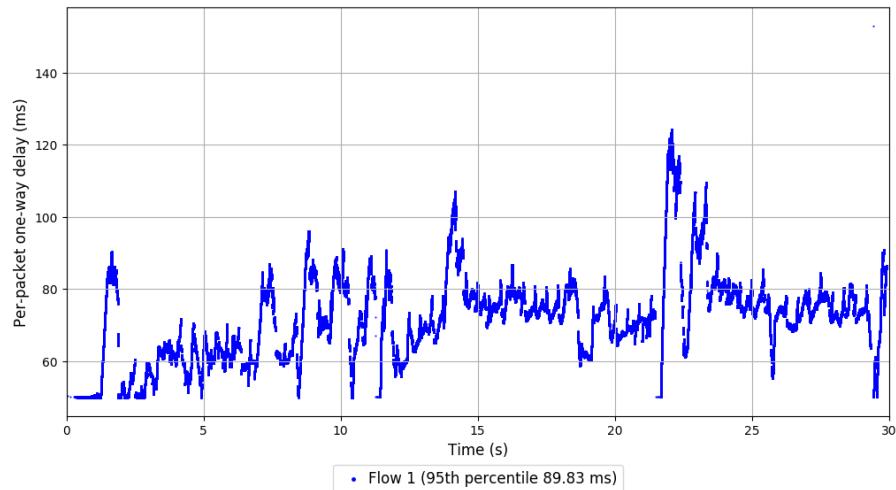
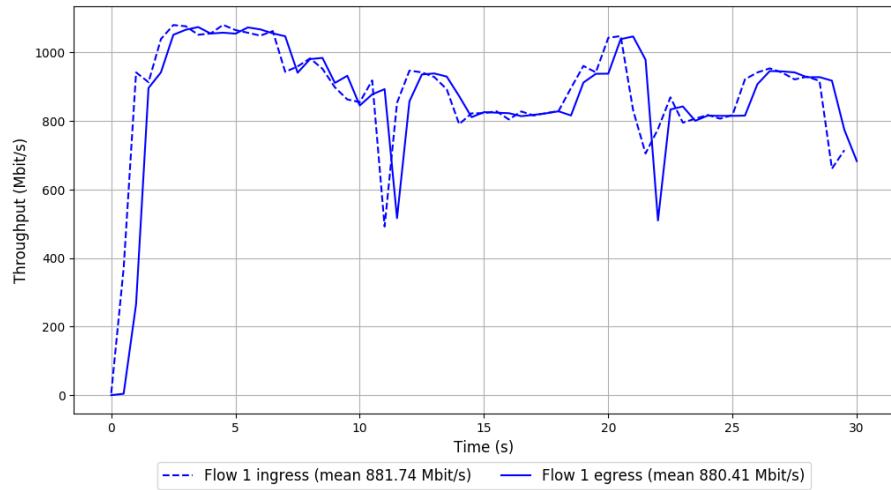


Run 9: Statistics of FillP-Sheep

```
Start at: 2018-08-03 07:42:53
End at: 2018-08-03 07:43:23
Local clock offset: 0.05 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 880.41 Mbit/s
95th percentile per-packet one-way delay: 89.825 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 880.41 Mbit/s
95th percentile per-packet one-way delay: 89.825 ms
Loss rate: 0.15%
```

Run 9: Report of FillP-Sheep — Data Link

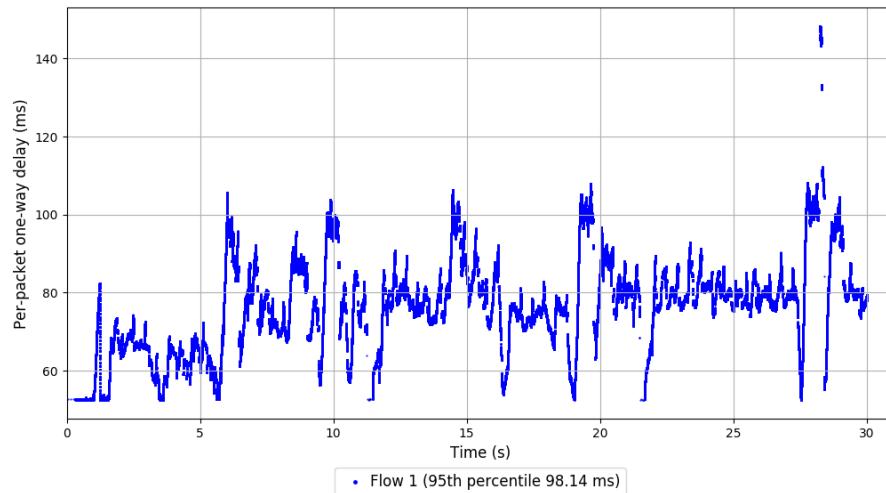
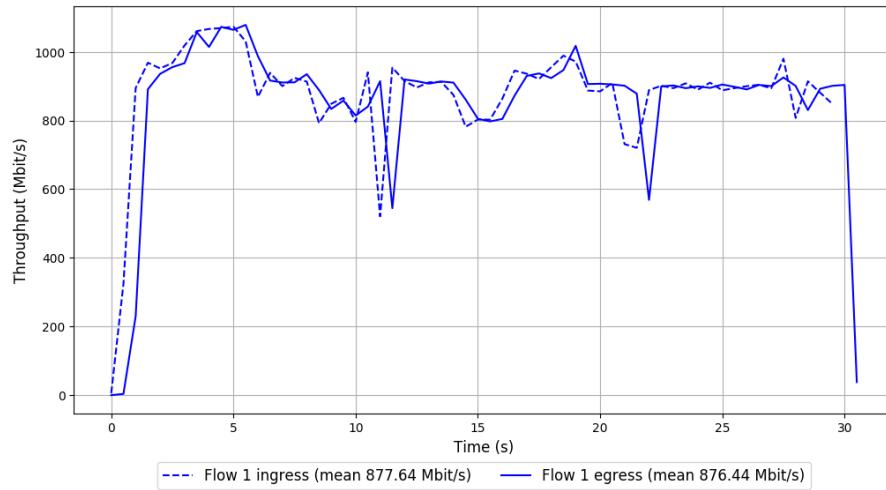


Run 10: Statistics of FillP-Sheep

```
Start at: 2018-08-03 08:04:54
End at: 2018-08-03 08:05:24
Local clock offset: 0.006 ms
Remote clock offset: -0.45 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 876.44 Mbit/s
95th percentile per-packet one-way delay: 98.140 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 876.44 Mbit/s
95th percentile per-packet one-way delay: 98.140 ms
Loss rate: 0.14%
```

Run 10: Report of FillP-Sheep — Data Link

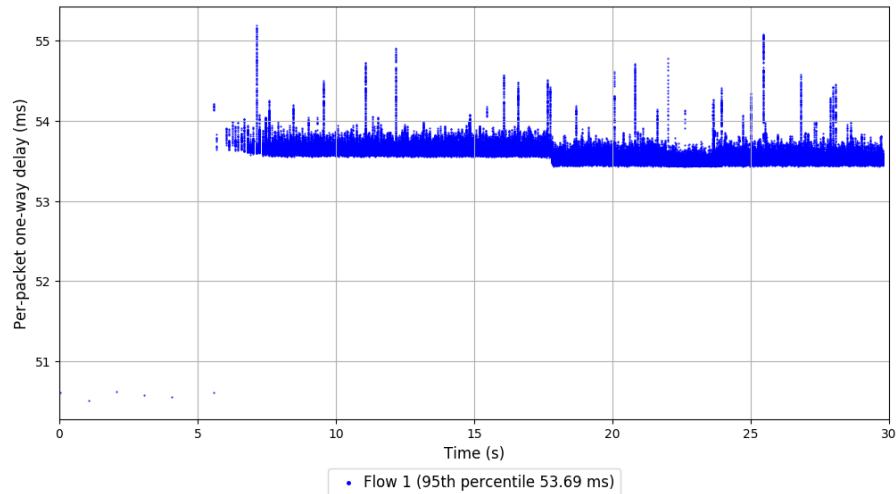
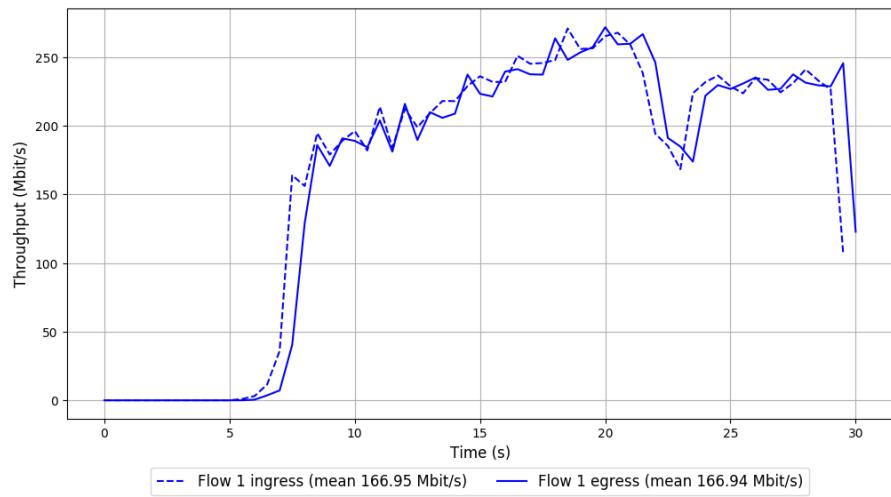


Run 1: Statistics of Indigo

```
Start at: 2018-08-03 04:55:35
End at: 2018-08-03 04:56:05
Local clock offset: -0.001 ms
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.94 Mbit/s
95th percentile per-packet one-way delay: 53.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.94 Mbit/s
95th percentile per-packet one-way delay: 53.692 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

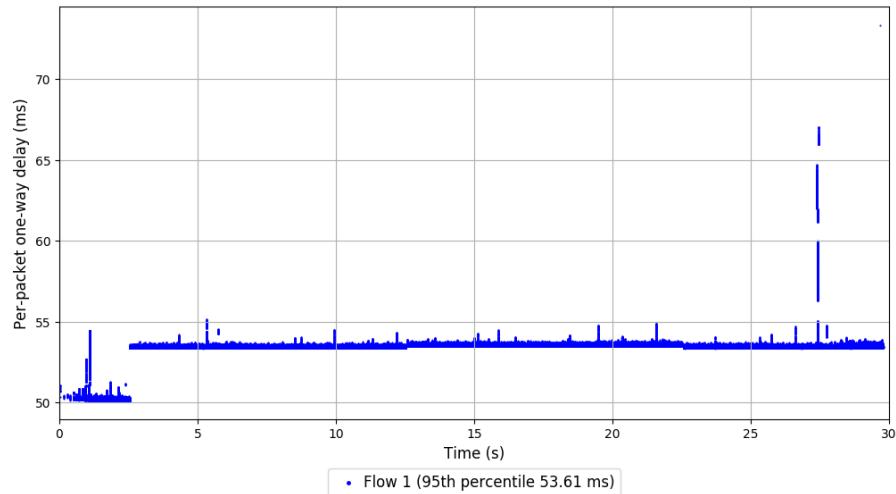
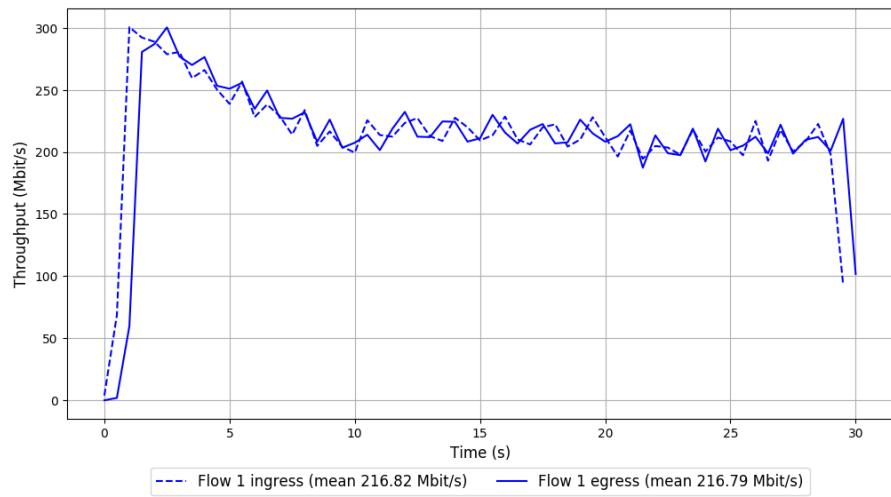


Run 2: Statistics of Indigo

```
Start at: 2018-08-03 05:18:10
End at: 2018-08-03 05:18:40
Local clock offset: -0.016 ms
Remote clock offset: -0.216 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.79 Mbit/s
95th percentile per-packet one-way delay: 53.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.79 Mbit/s
95th percentile per-packet one-way delay: 53.610 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

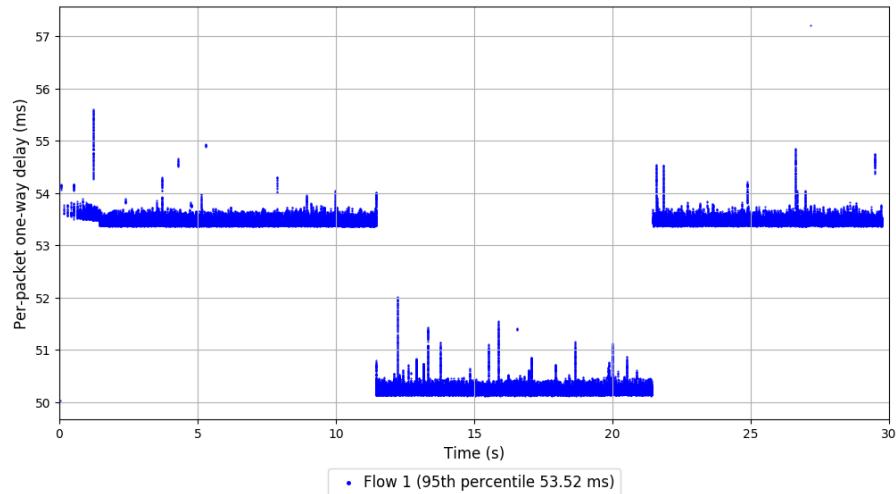
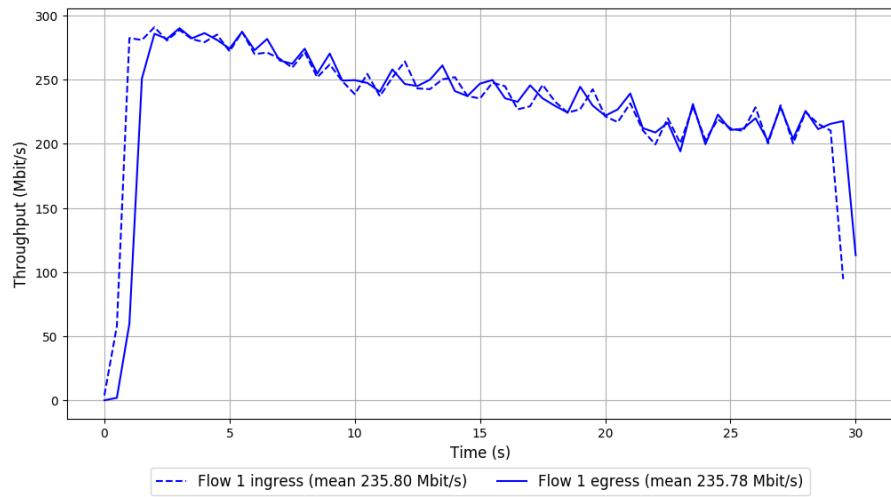


Run 3: Statistics of Indigo

```
Start at: 2018-08-03 05:40:41
End at: 2018-08-03 05:41:11
Local clock offset: 0.015 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.78 Mbit/s
95th percentile per-packet one-way delay: 53.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.78 Mbit/s
95th percentile per-packet one-way delay: 53.521 ms
Loss rate: 0.00%
```

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

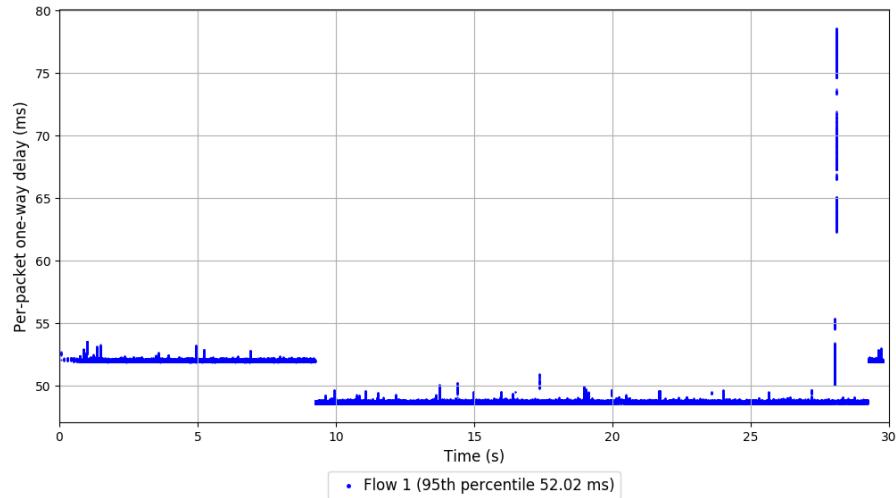
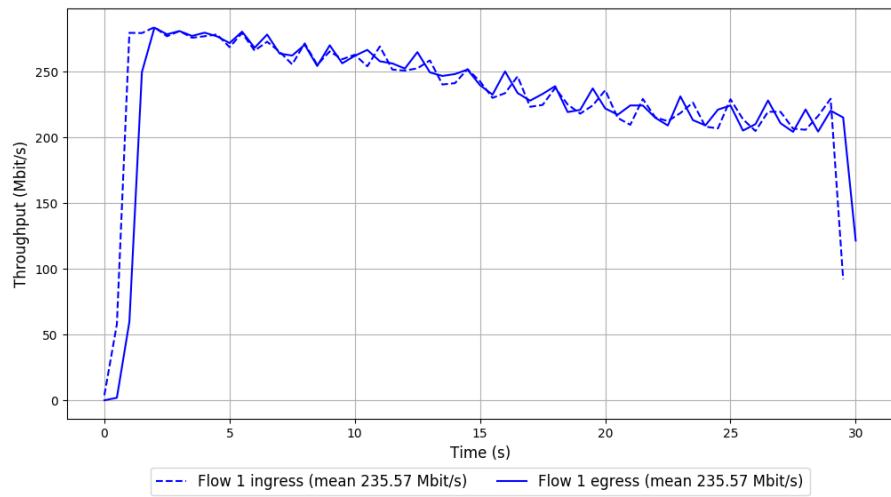


Run 4: Statistics of Indigo

```
Start at: 2018-08-03 06:02:24
End at: 2018-08-03 06:02:54
Local clock offset: 0.19 ms
Remote clock offset: -1.56 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.57 Mbit/s
95th percentile per-packet one-way delay: 52.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.57 Mbit/s
95th percentile per-packet one-way delay: 52.019 ms
Loss rate: 0.00%
```

## Run 4: Report of Indigo — Data Link

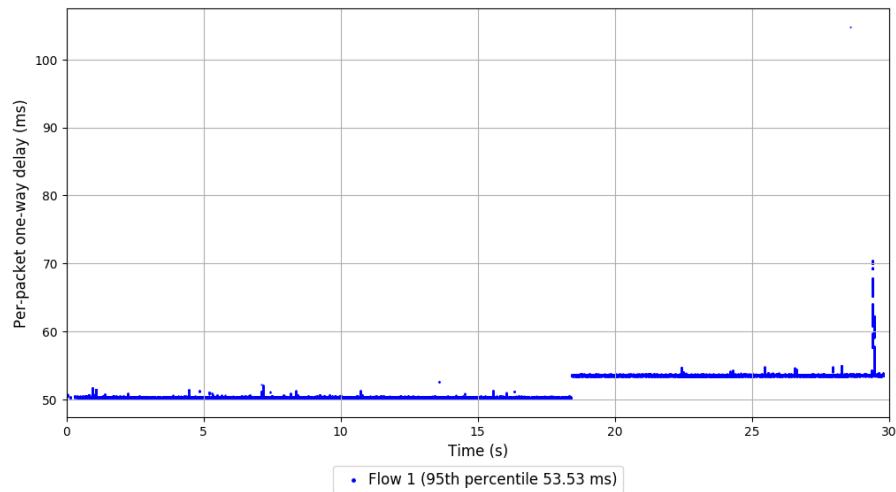
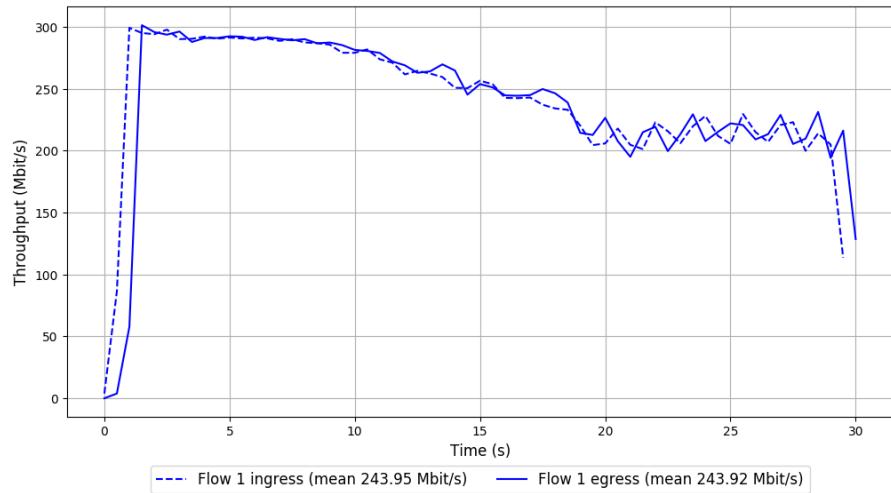


Run 5: Statistics of Indigo

```
Start at: 2018-08-03 06:24:54
End at: 2018-08-03 06:25:24
Local clock offset: 0.006 ms
Remote clock offset: -0.243 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 243.92 Mbit/s
95th percentile per-packet one-way delay: 53.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.92 Mbit/s
95th percentile per-packet one-way delay: 53.535 ms
Loss rate: 0.00%
```

## Run 5: Report of Indigo — Data Link

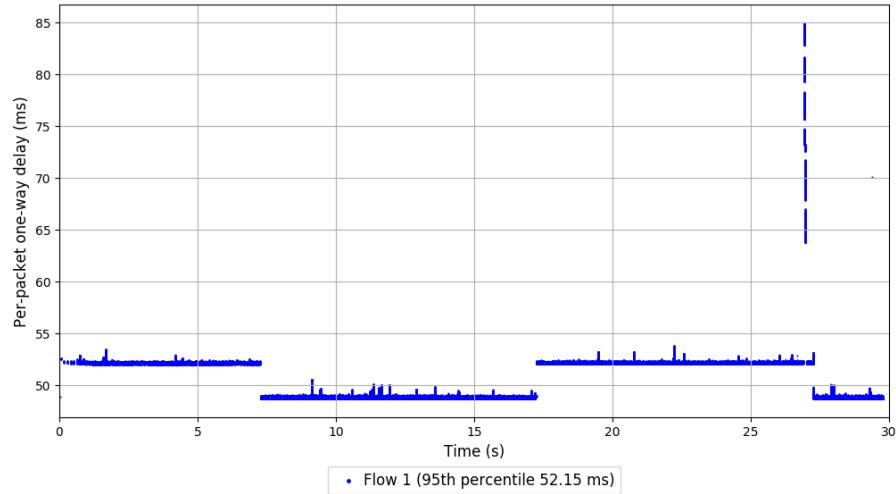
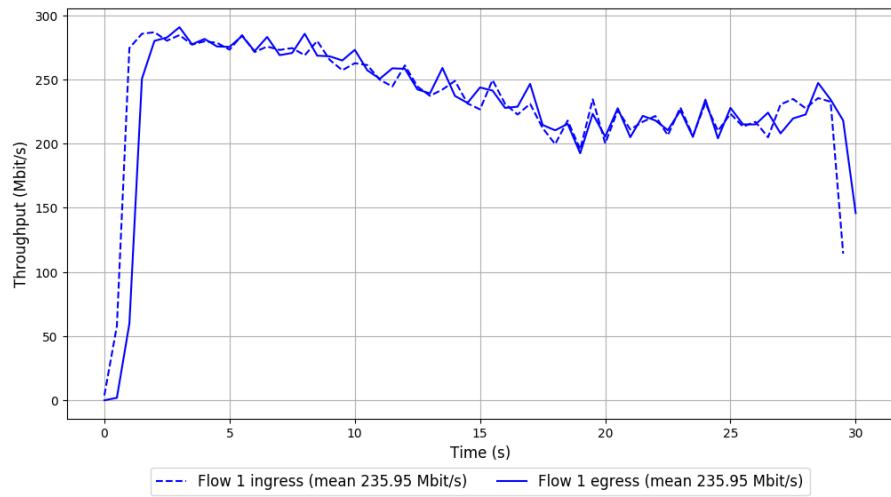


Run 6: Statistics of Indigo

```
Start at: 2018-08-03 06:46:56
End at: 2018-08-03 06:47:26
Local clock offset: 0.063 ms
Remote clock offset: -1.629 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.95 Mbit/s
95th percentile per-packet one-way delay: 52.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.95 Mbit/s
95th percentile per-packet one-way delay: 52.147 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

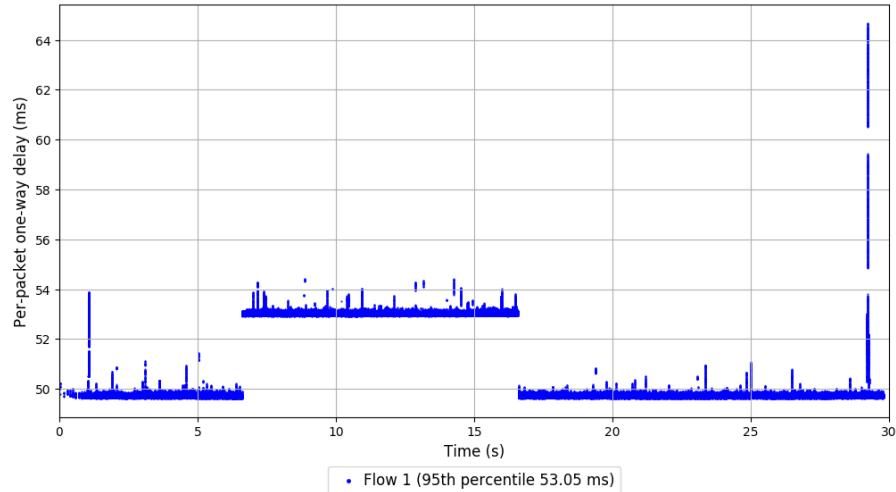
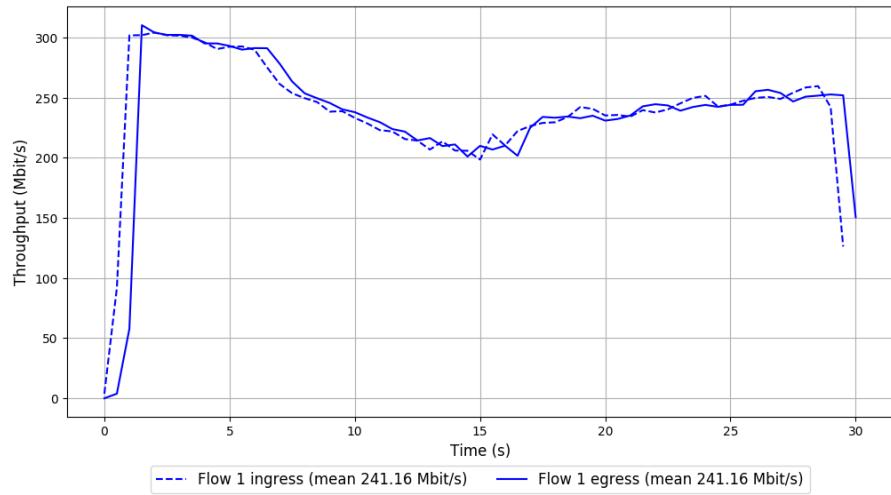


Run 7: Statistics of Indigo

```
Start at: 2018-08-03 07:08:56
End at: 2018-08-03 07:09:26
Local clock offset: 0.277 ms
Remote clock offset: -0.385 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.16 Mbit/s
95th percentile per-packet one-way delay: 53.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.16 Mbit/s
95th percentile per-packet one-way delay: 53.047 ms
Loss rate: 0.00%
```

## Run 7: Report of Indigo — Data Link

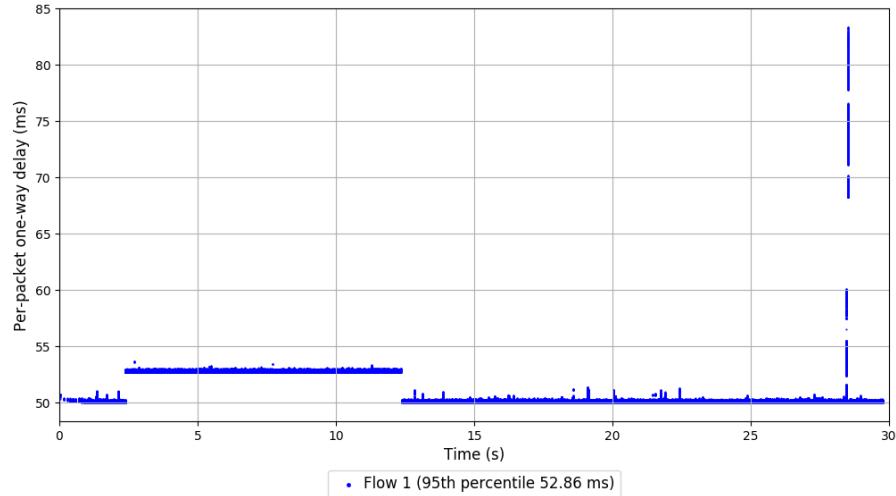
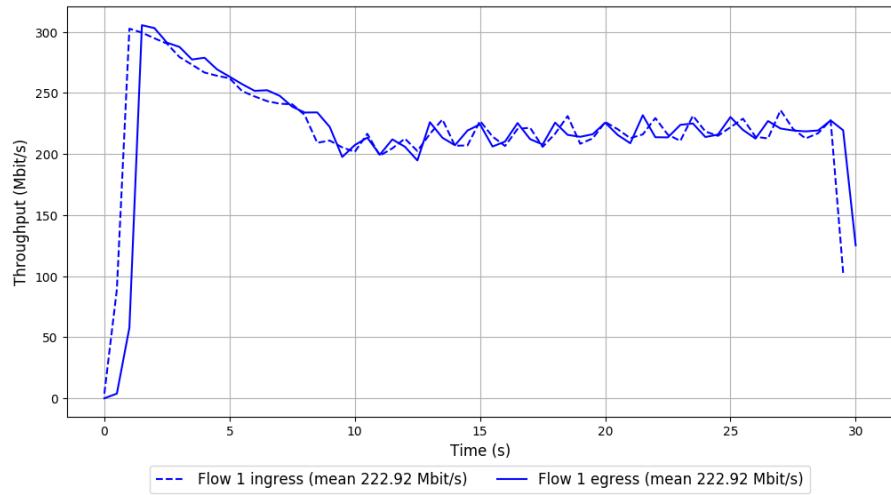


Run 8: Statistics of Indigo

```
Start at: 2018-08-03 07:31:30
End at: 2018-08-03 07:32:01
Local clock offset: -0.001 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.92 Mbit/s
95th percentile per-packet one-way delay: 52.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.92 Mbit/s
95th percentile per-packet one-way delay: 52.857 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

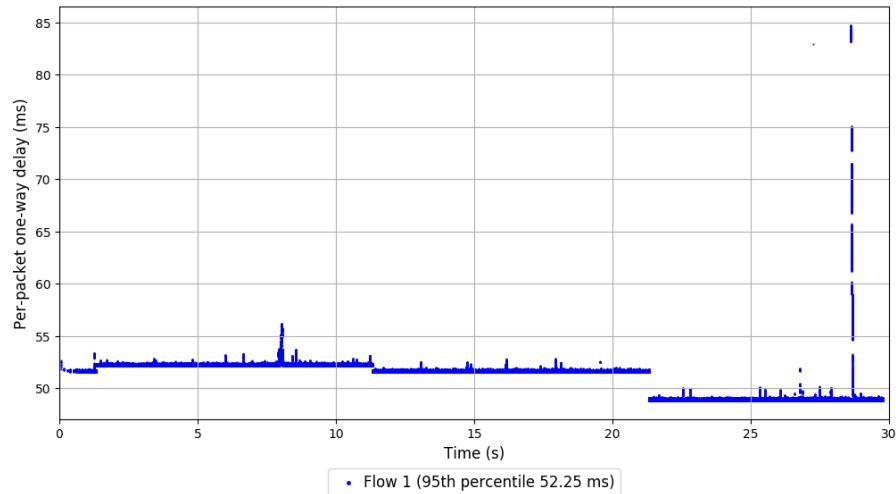
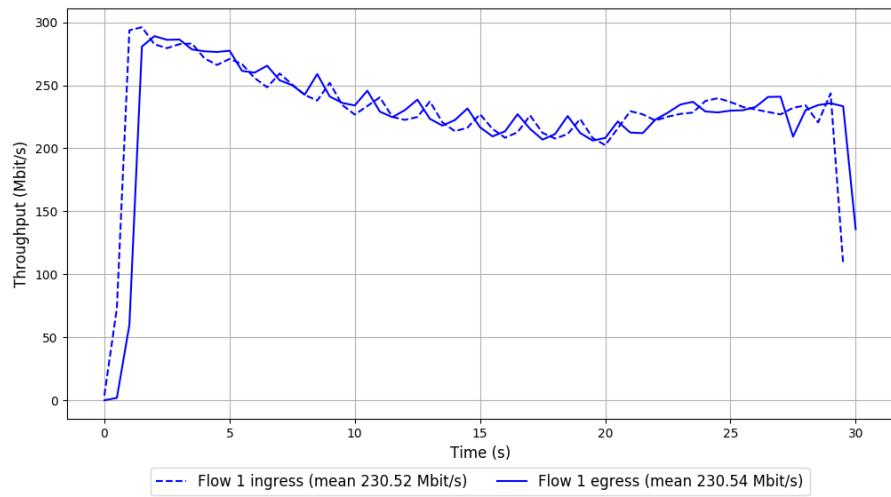


Run 9: Statistics of Indigo

```
Start at: 2018-08-03 07:53:32
End at: 2018-08-03 07:54:02
Local clock offset: -0.02 ms
Remote clock offset: -1.378 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.54 Mbit/s
95th percentile per-packet one-way delay: 52.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.54 Mbit/s
95th percentile per-packet one-way delay: 52.253 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

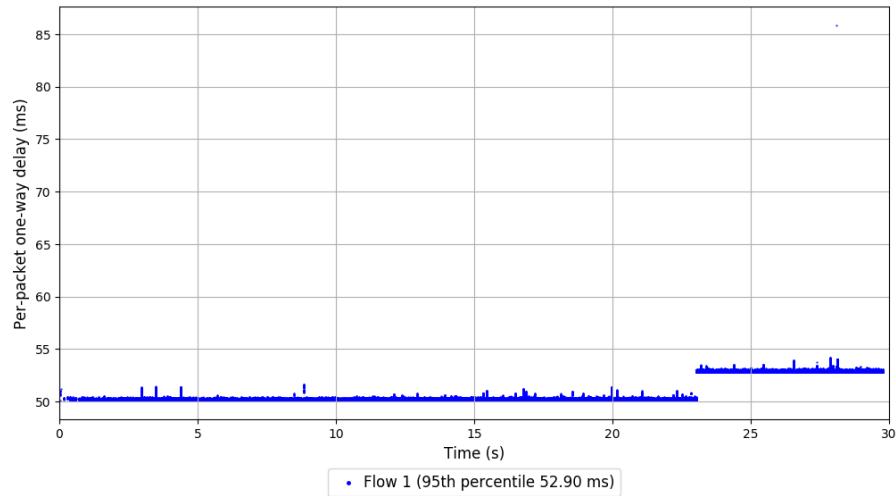
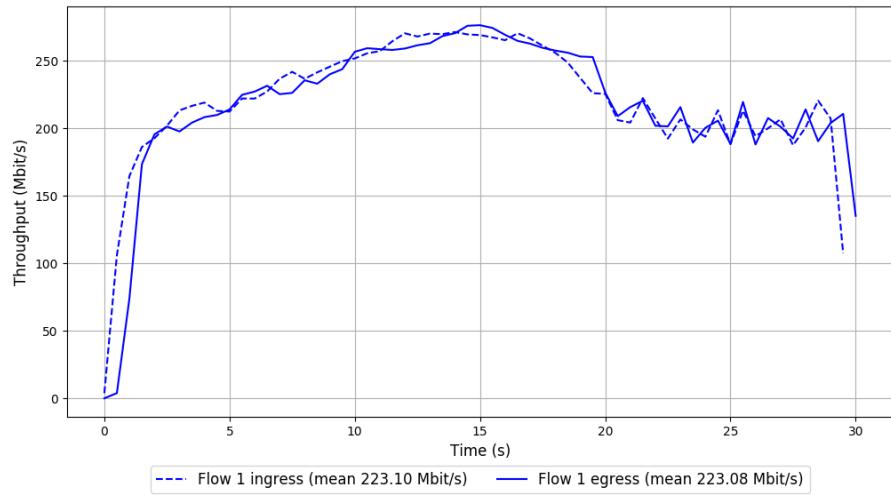


Run 10: Statistics of Indigo

```
Start at: 2018-08-03 08:16:00
End at: 2018-08-03 08:16:30
Local clock offset: -0.094 ms
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.08 Mbit/s
95th percentile per-packet one-way delay: 52.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.08 Mbit/s
95th percentile per-packet one-way delay: 52.899 ms
Loss rate: 0.00%
```

## Run 10: Report of Indigo — Data Link

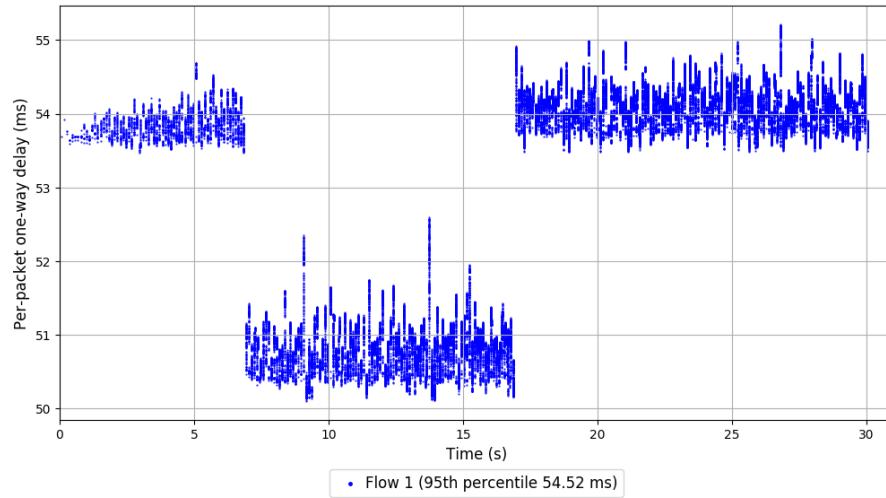
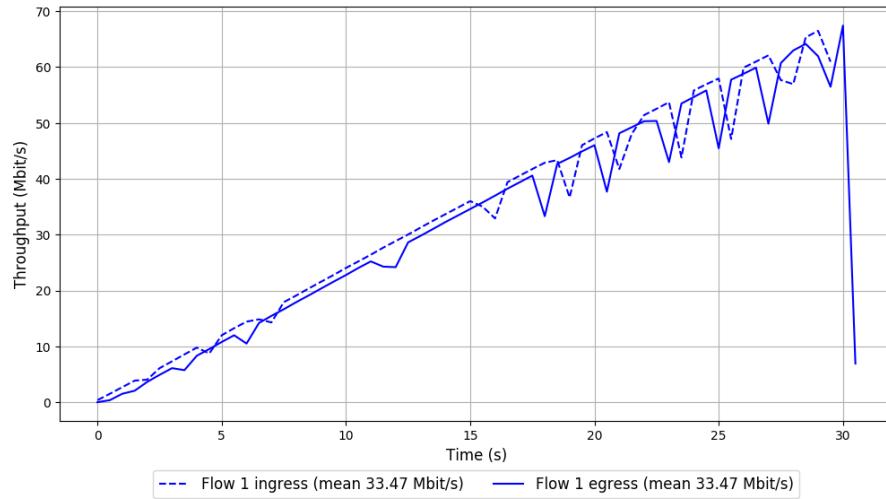


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-03 04:58:06
End at: 2018-08-03 04:58:36
Local clock offset: -0.047 ms
Remote clock offset: -0.305 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 54.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 54.521 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

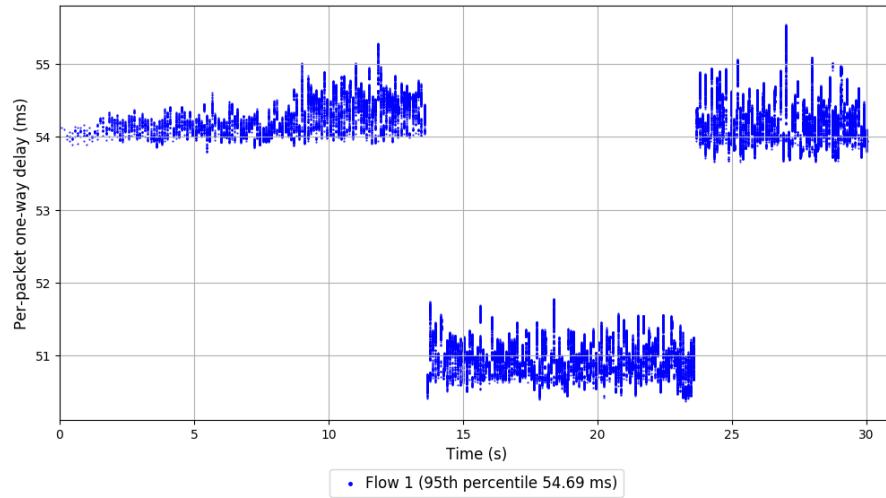
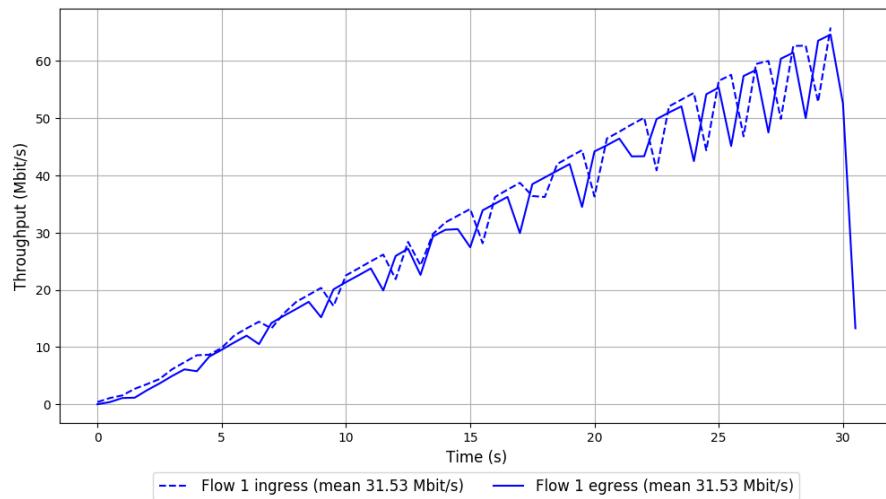


Run 2: Statistics of LEDBAT

```
Start at: 2018-08-03 05:20:39
End at: 2018-08-03 05:21:09
Local clock offset: 0.032 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 54.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 54.692 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

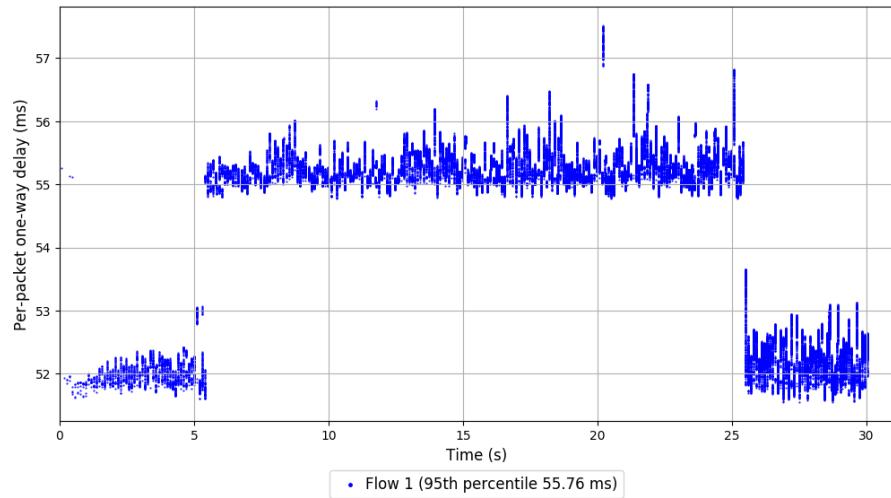
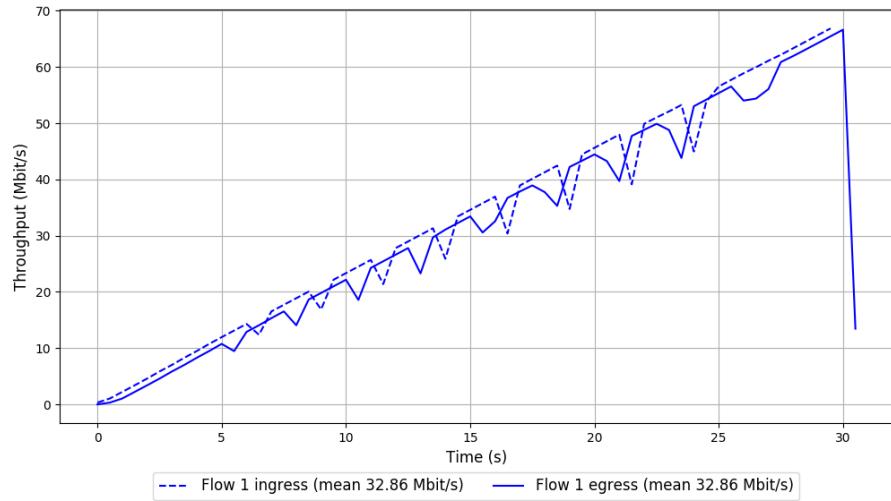


Run 3: Statistics of LEDBAT

```
Start at: 2018-08-03 05:43:08
End at: 2018-08-03 05:43:38
Local clock offset: -0.08 ms
Remote clock offset: 1.133 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 55.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 55.757 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

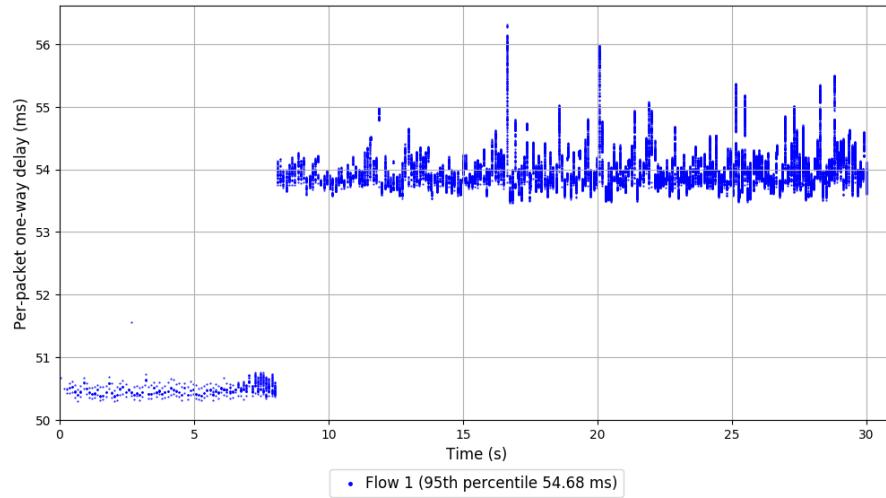
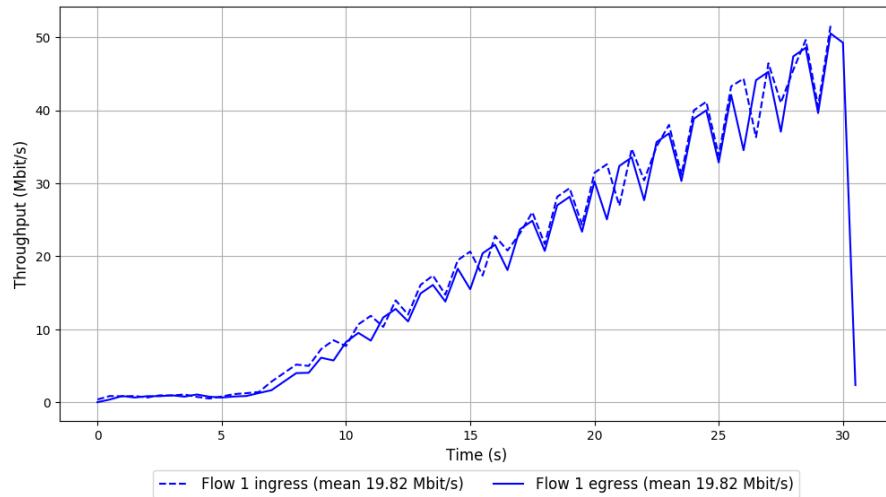


Run 4: Statistics of LEDBAT

```
Start at: 2018-08-03 06:04:55
End at: 2018-08-03 06:05:25
Local clock offset: -0.152 ms
Remote clock offset: -0.335 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 54.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 54.676 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link

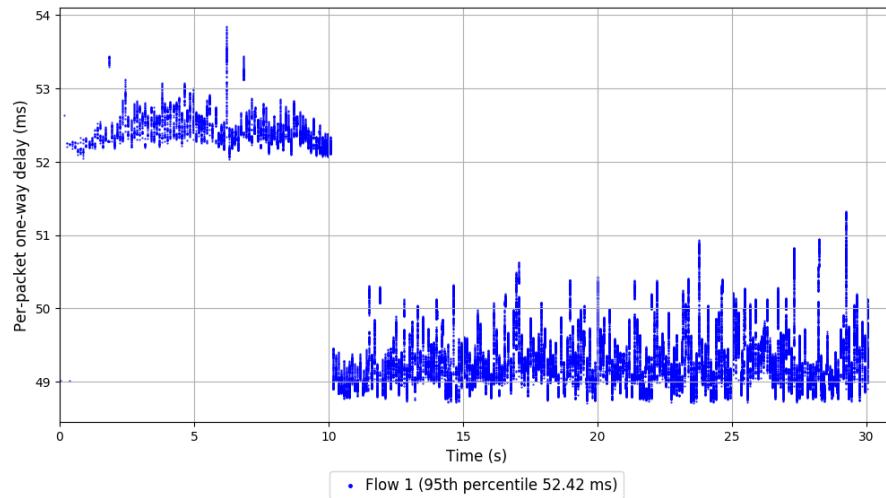
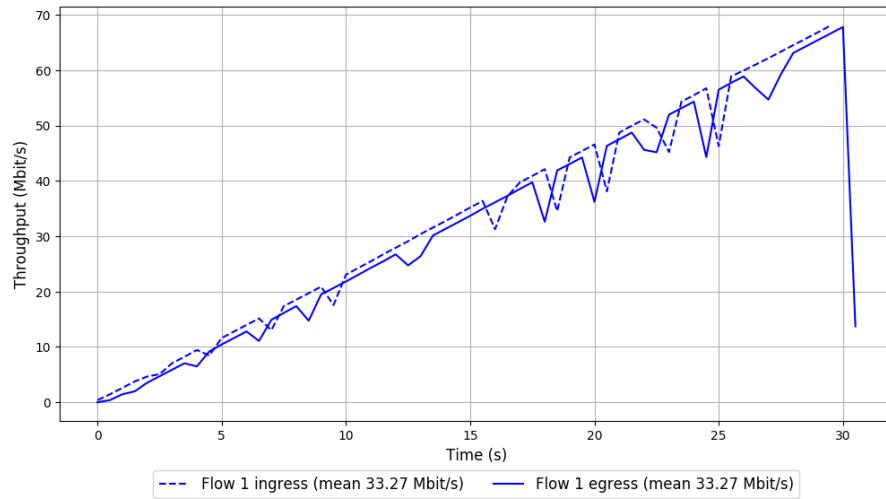


Run 5: Statistics of LEDBAT

```
Start at: 2018-08-03 06:27:23
End at: 2018-08-03 06:27:53
Local clock offset: 0.058 ms
Remote clock offset: -1.59 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 52.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 52.416 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

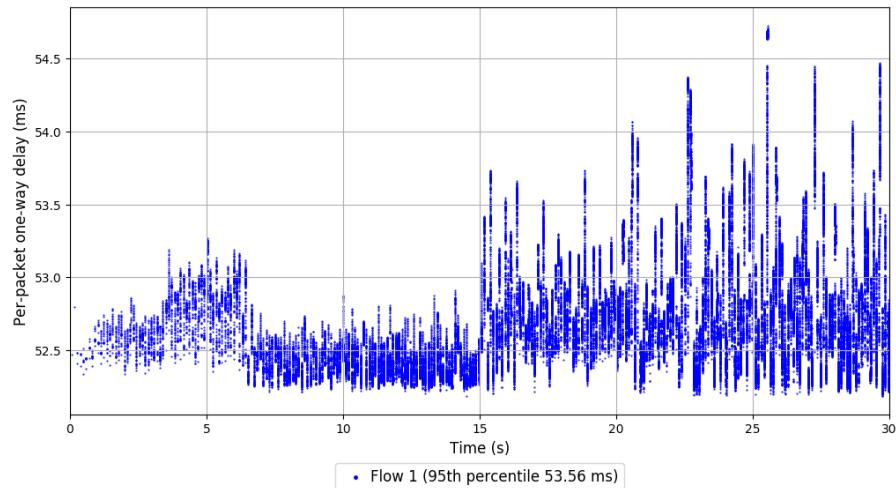
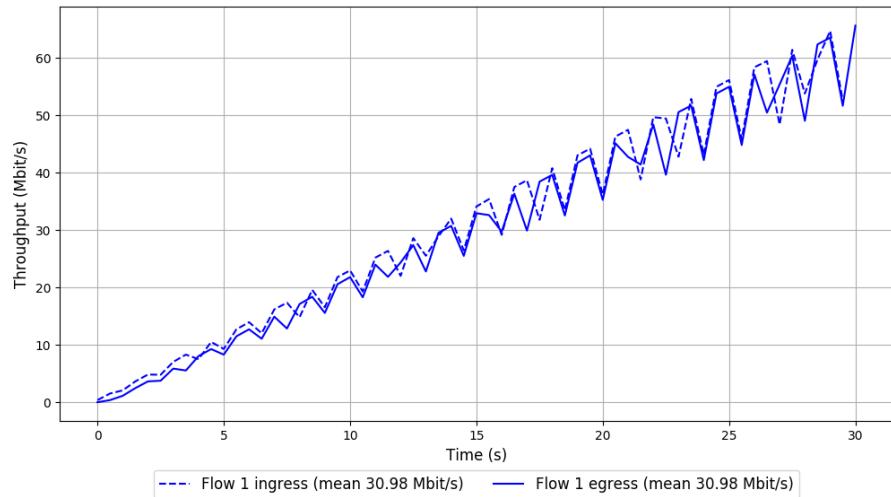


Run 6: Statistics of LEDBAT

```
Start at: 2018-08-03 06:49:23
End at: 2018-08-03 06:49:53
Local clock offset: 0.014 ms
Remote clock offset: -1.496 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 53.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 53.557 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

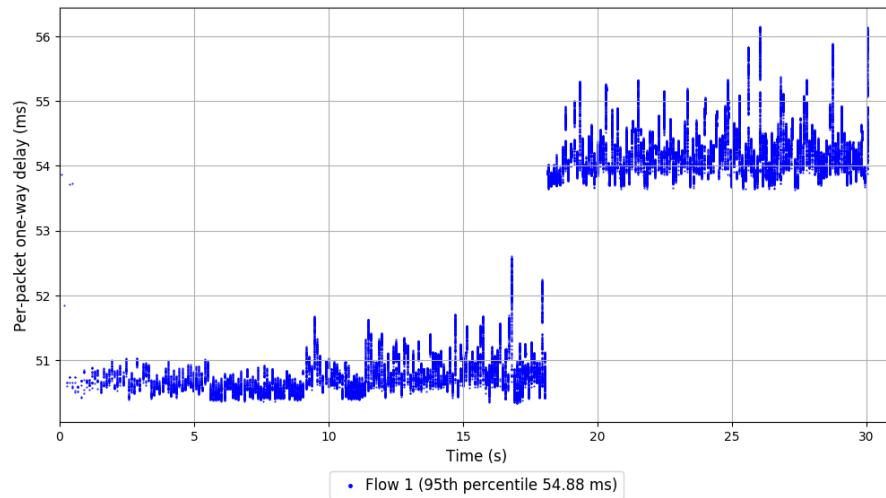
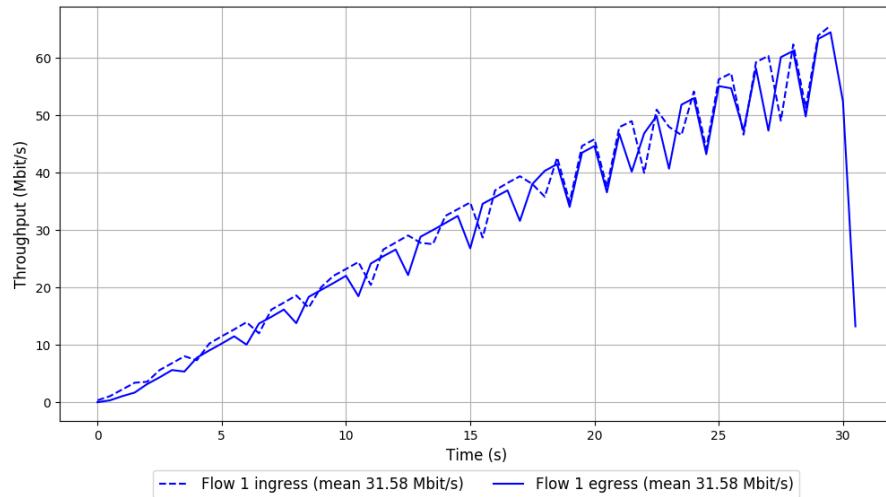


Run 7: Statistics of LEDBAT

```
Start at: 2018-08-03 07:11:25
End at: 2018-08-03 07:11:55
Local clock offset: -0.152 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 54.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 54.881 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

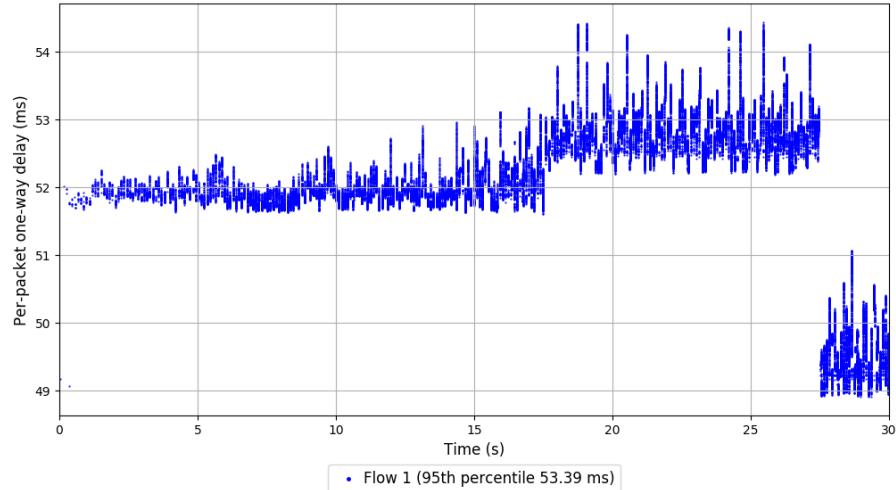
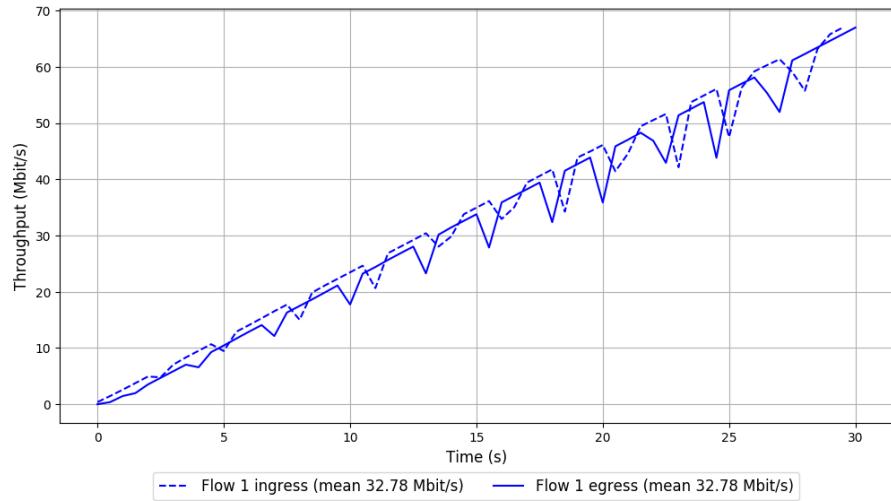


Run 8: Statistics of LEDBAT

```
Start at: 2018-08-03 07:33:56
End at: 2018-08-03 07:34:26
Local clock offset: -0.218 ms
Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.78 Mbit/s
95th percentile per-packet one-way delay: 53.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.78 Mbit/s
95th percentile per-packet one-way delay: 53.387 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

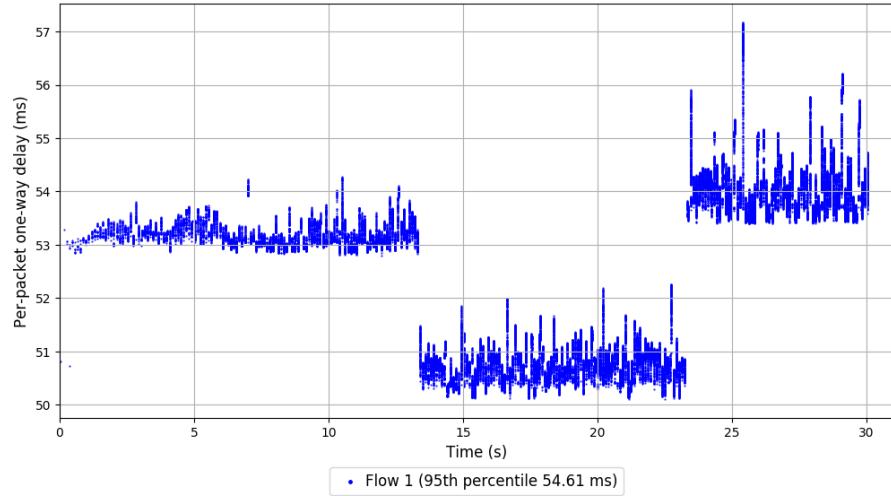
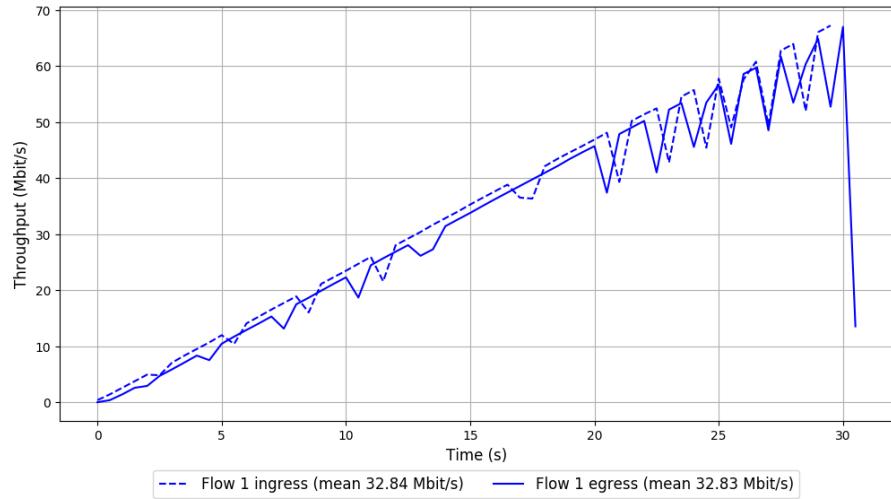


Run 9: Statistics of LEDBAT

```
Start at: 2018-08-03 07:56:00
End at: 2018-08-03 07:56:30
Local clock offset: 0.033 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 54.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 54.613 ms
Loss rate: 0.00%
```

## Run 9: Report of LEDBAT — Data Link

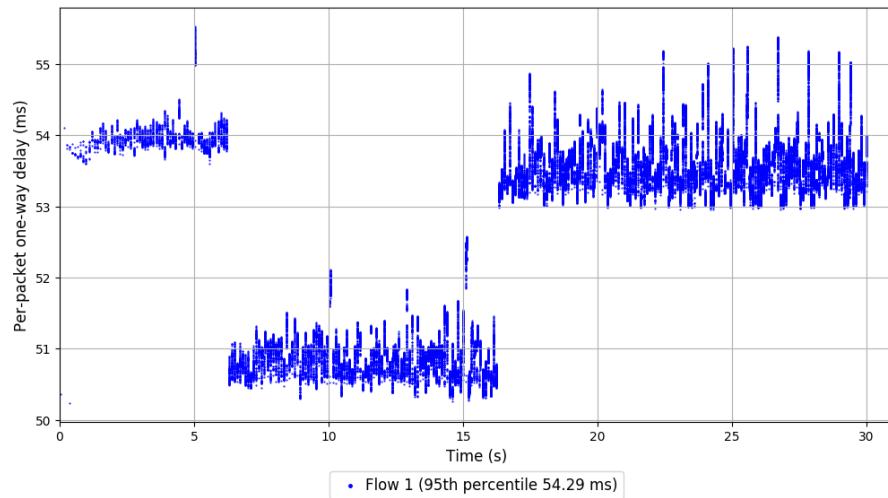
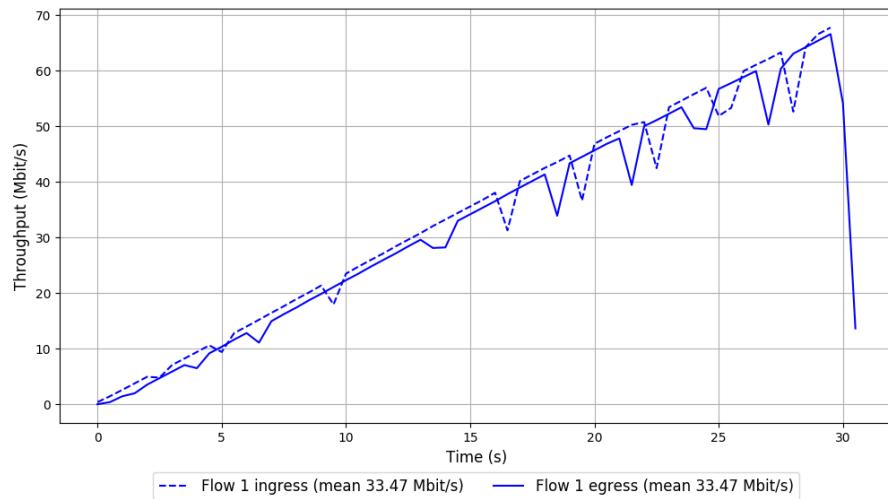


Run 10: Statistics of LEDBAT

```
Start at: 2018-08-03 08:18:27
End at: 2018-08-03 08:18:57
Local clock offset: -0.112 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-08-03 09:37:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 54.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 54.290 ms
Loss rate: 0.00%
```

## Run 10: Report of LEDBAT — Data Link

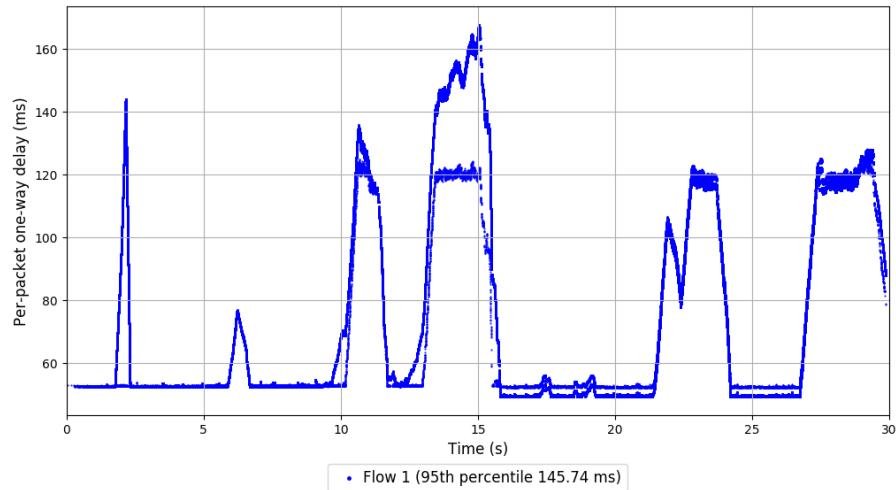
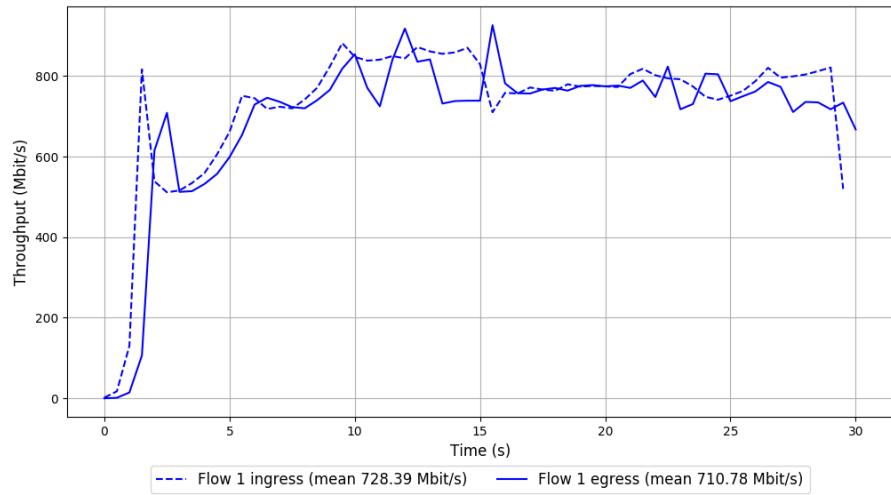


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-08-03 04:43:07
End at: 2018-08-03 04:43:37
Local clock offset: -0.096 ms
Remote clock offset: -1.159 ms

# Below is generated by plot.py at 2018-08-03 09:42:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 710.78 Mbit/s
95th percentile per-packet one-way delay: 145.738 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 710.78 Mbit/s
95th percentile per-packet one-way delay: 145.738 ms
Loss rate: 2.39%
```

Run 1: Report of PCC-Allegro — Data Link

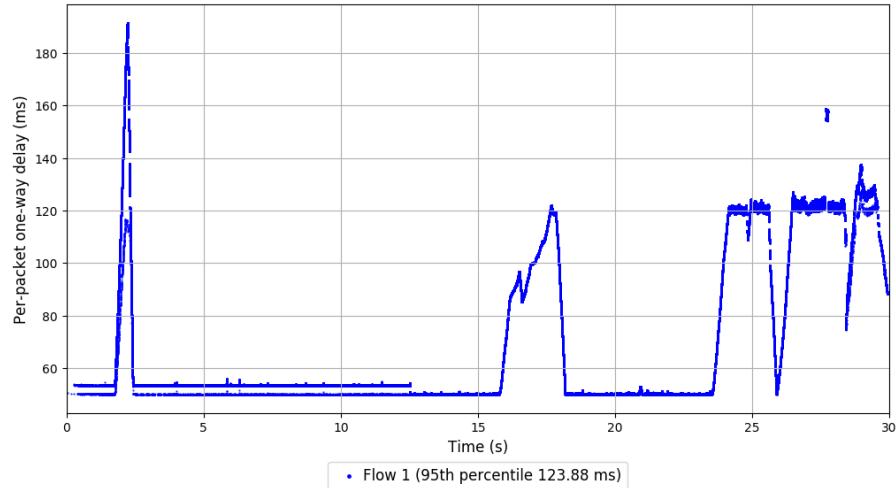
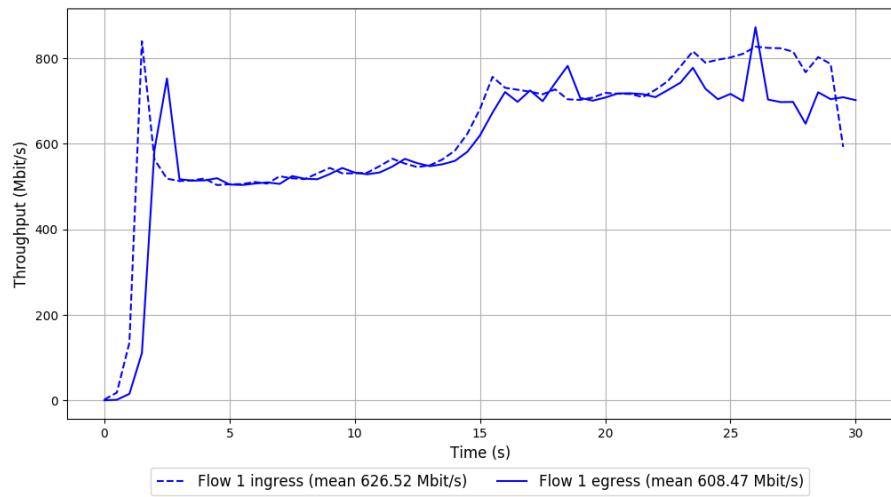


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-08-03 05:05:30
End at: 2018-08-03 05:06:00
Local clock offset: 0.107 ms
Remote clock offset: -0.192 ms

# Below is generated by plot.py at 2018-08-03 09:42:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 608.47 Mbit/s
95th percentile per-packet one-way delay: 123.875 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 608.47 Mbit/s
95th percentile per-packet one-way delay: 123.875 ms
Loss rate: 2.88%
```

Run 2: Report of PCC-Allegro — Data Link

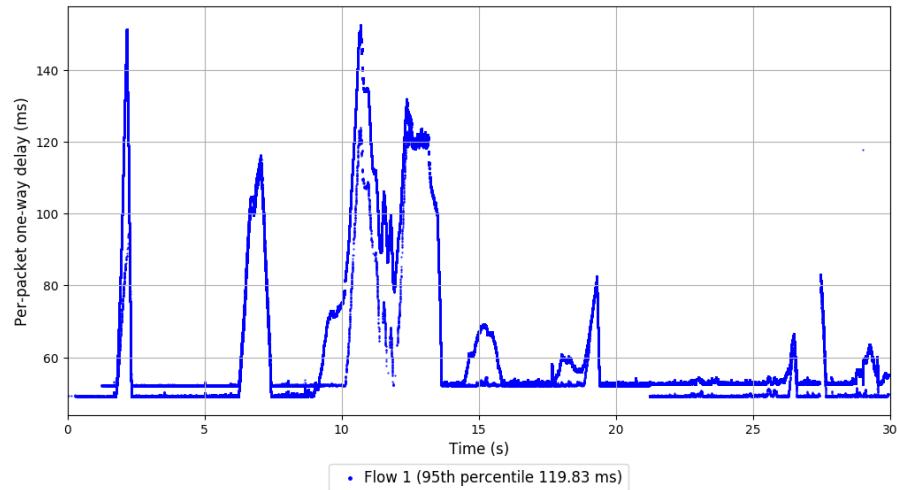
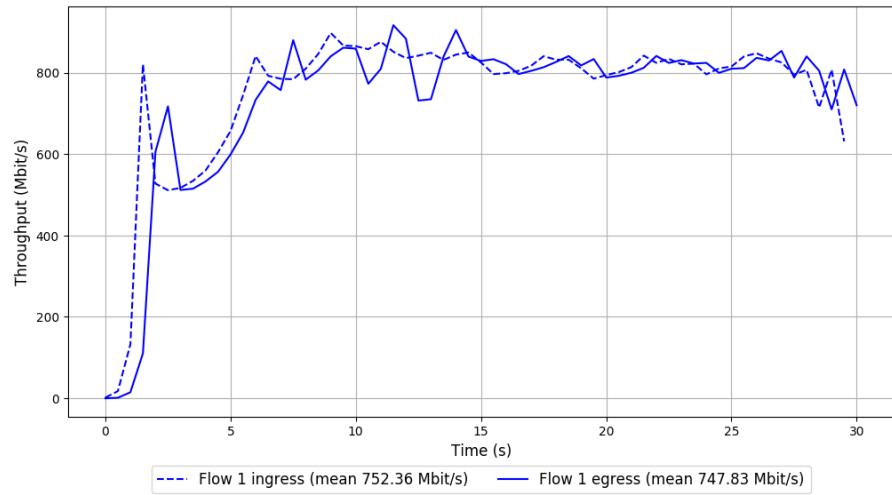


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-08-03 05:28:03
End at: 2018-08-03 05:28:33
Local clock offset: 0.014 ms
Remote clock offset: -1.236 ms

# Below is generated by plot.py at 2018-08-03 09:43:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 747.83 Mbit/s
95th percentile per-packet one-way delay: 119.832 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 747.83 Mbit/s
95th percentile per-packet one-way delay: 119.832 ms
Loss rate: 0.58%
```

Run 3: Report of PCC-Allegro — Data Link

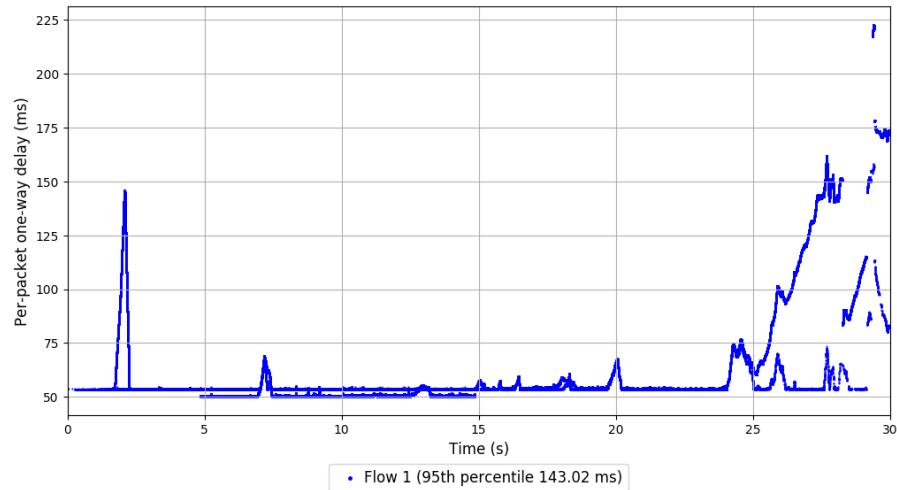
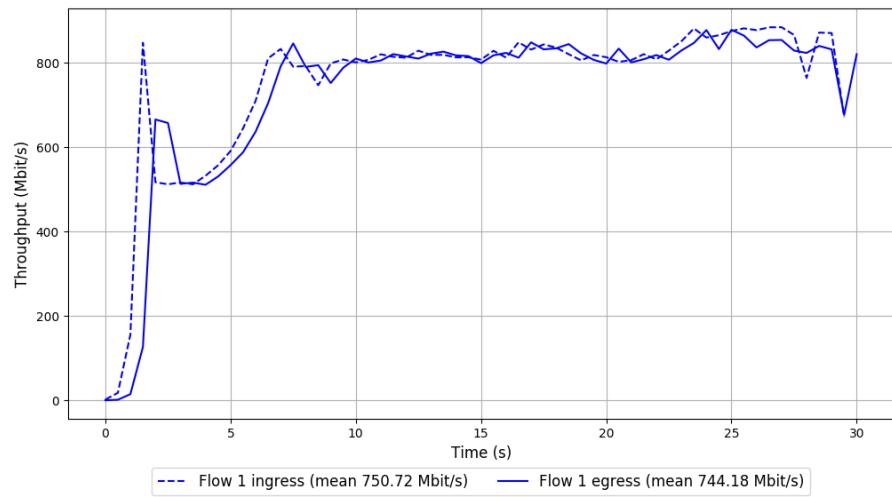


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-08-03 05:50:38
End at: 2018-08-03 05:51:08
Local clock offset: 0.125 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-08-03 09:44:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 744.18 Mbit/s
95th percentile per-packet one-way delay: 143.020 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 744.18 Mbit/s
95th percentile per-packet one-way delay: 143.020 ms
Loss rate: 0.77%
```

Run 4: Report of PCC-Allegro — Data Link

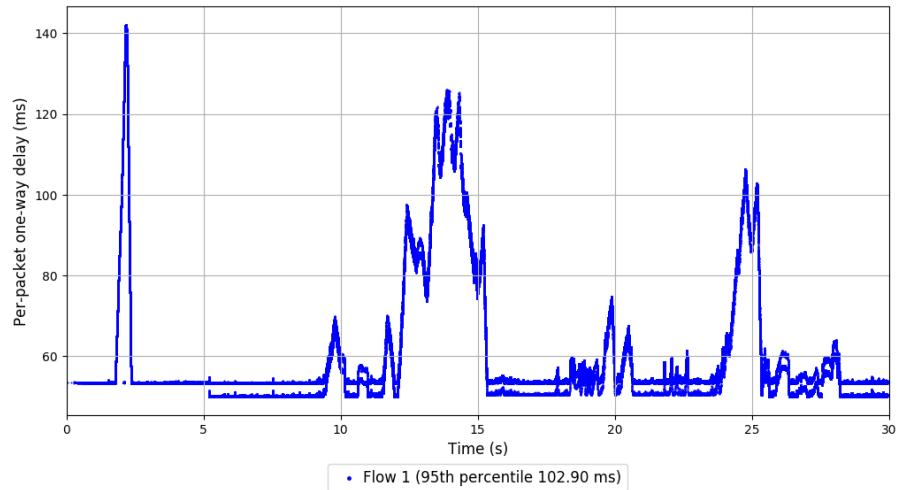
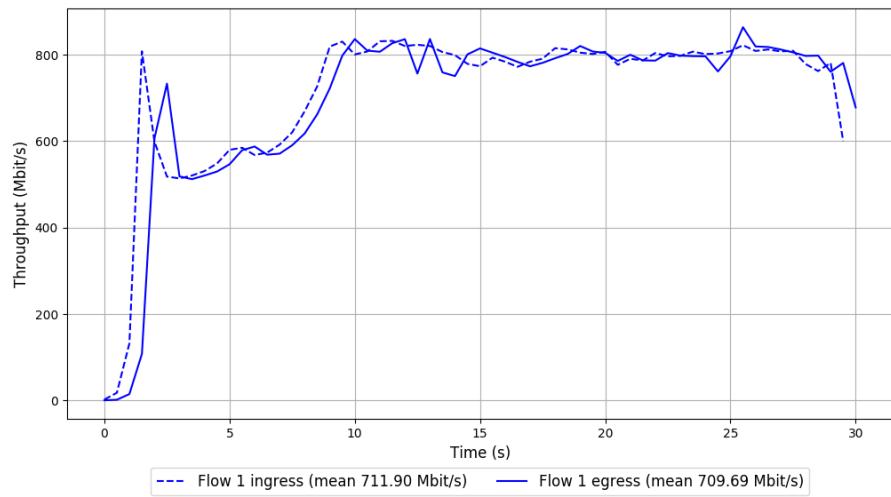


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-08-03 06:12:18
End at: 2018-08-03 06:12:48
Local clock offset: -0.05 ms
Remote clock offset: -0.387 ms

# Below is generated by plot.py at 2018-08-03 09:47:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 709.69 Mbit/s
95th percentile per-packet one-way delay: 102.903 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 709.69 Mbit/s
95th percentile per-packet one-way delay: 102.903 ms
Loss rate: 0.32%
```

Run 5: Report of PCC-Allegro — Data Link

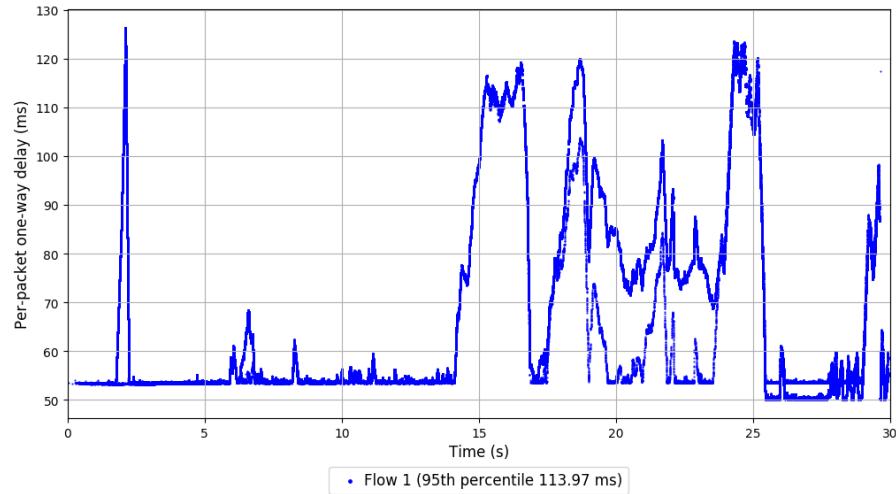
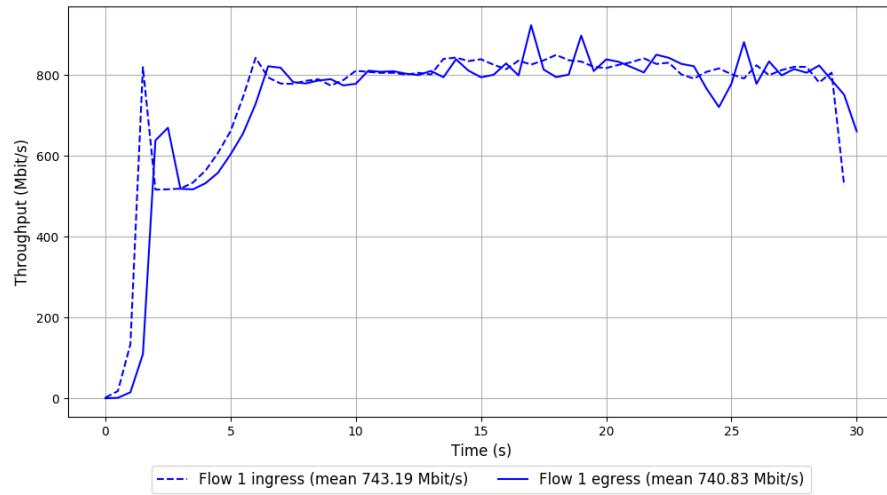


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-08-03 06:34:51
End at: 2018-08-03 06:35:21
Local clock offset: 0.035 ms
Remote clock offset: -0.3 ms

# Below is generated by plot.py at 2018-08-03 09:48:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 740.83 Mbit/s
95th percentile per-packet one-way delay: 113.966 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 740.83 Mbit/s
95th percentile per-packet one-way delay: 113.966 ms
Loss rate: 0.33%
```

Run 6: Report of PCC-Allegro — Data Link

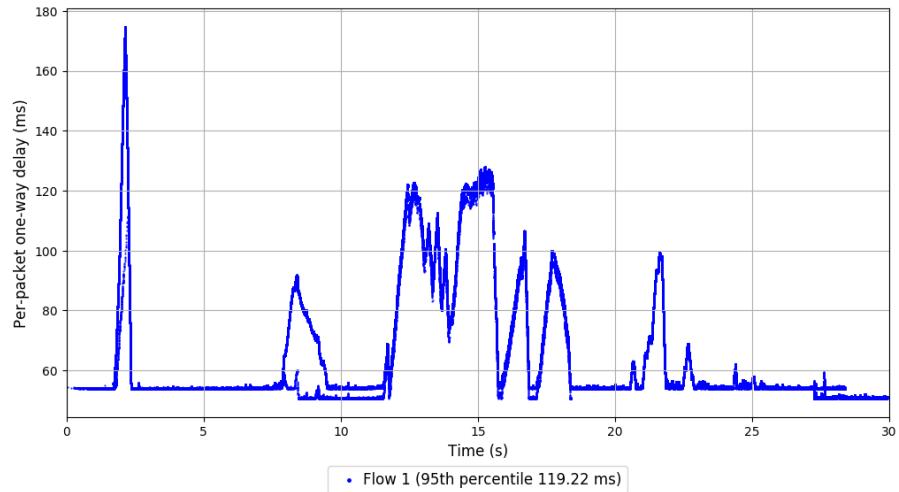
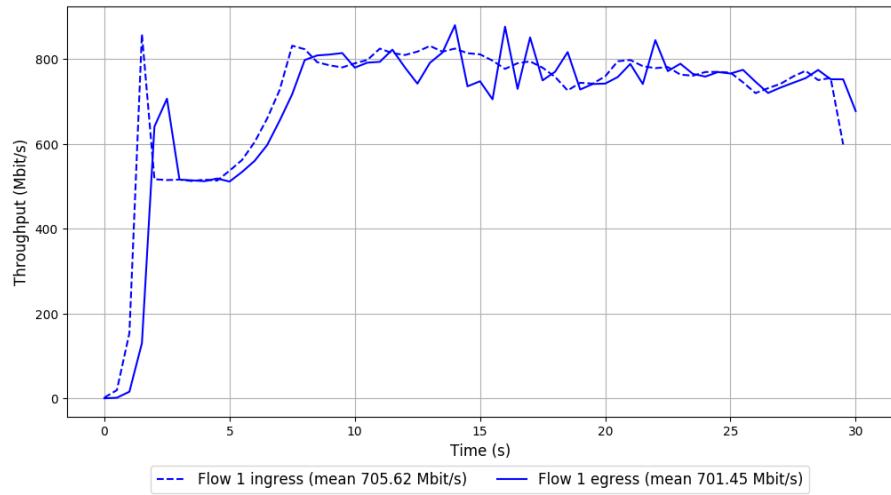


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-08-03 06:56:46
End at: 2018-08-03 06:57:16
Local clock offset: -0.25 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-08-03 09:48:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 701.45 Mbit/s
95th percentile per-packet one-way delay: 119.217 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 701.45 Mbit/s
95th percentile per-packet one-way delay: 119.217 ms
Loss rate: 0.60%
```

Run 7: Report of PCC-Allegro — Data Link

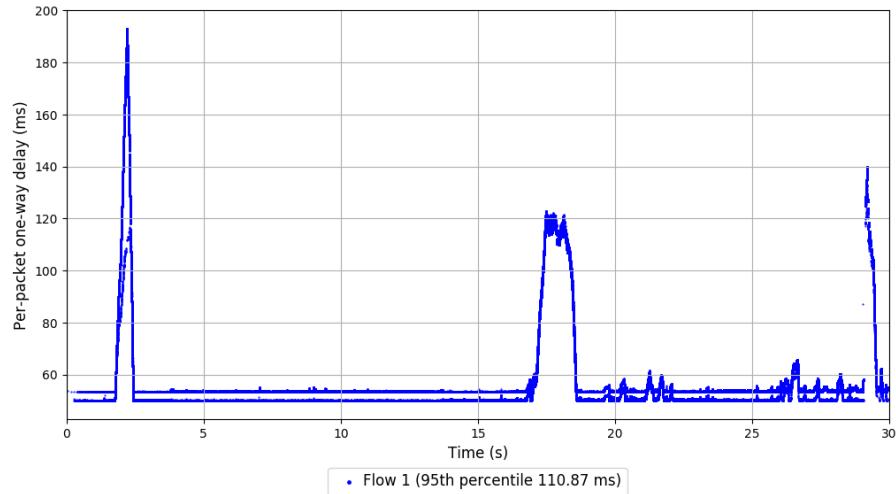
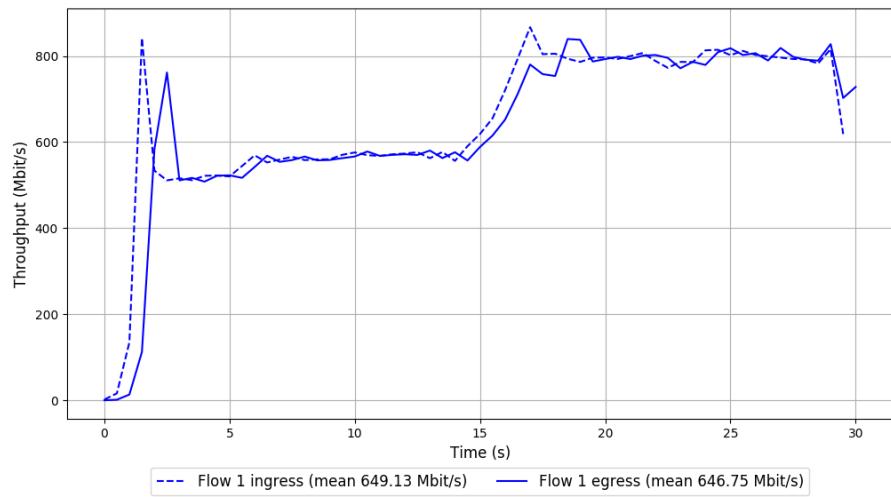


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-08-03 07:18:49
End at: 2018-08-03 07:19:19
Local clock offset: 0.234 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-08-03 09:48:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 646.75 Mbit/s
95th percentile per-packet one-way delay: 110.873 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 646.75 Mbit/s
95th percentile per-packet one-way delay: 110.873 ms
Loss rate: 0.36%
```

Run 8: Report of PCC-Allegro — Data Link

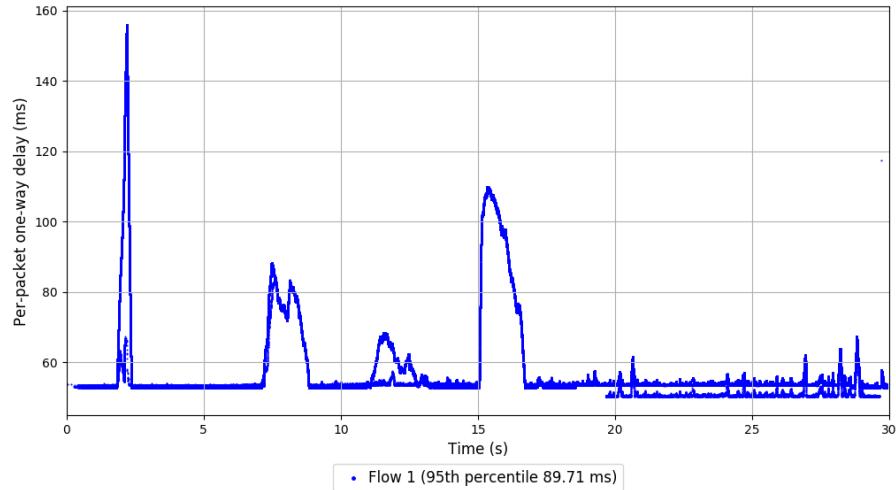
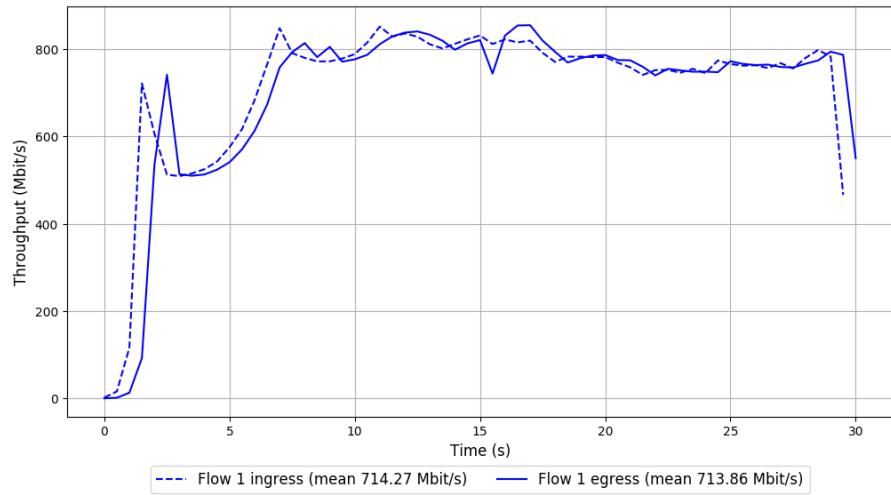


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-08-03 07:41:24
End at: 2018-08-03 07:41:54
Local clock offset: -0.185 ms
Remote clock offset: -0.345 ms

# Below is generated by plot.py at 2018-08-03 09:53:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 713.86 Mbit/s
95th percentile per-packet one-way delay: 89.707 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 713.86 Mbit/s
95th percentile per-packet one-way delay: 89.707 ms
Loss rate: 0.06%
```

Run 9: Report of PCC-Allegro — Data Link

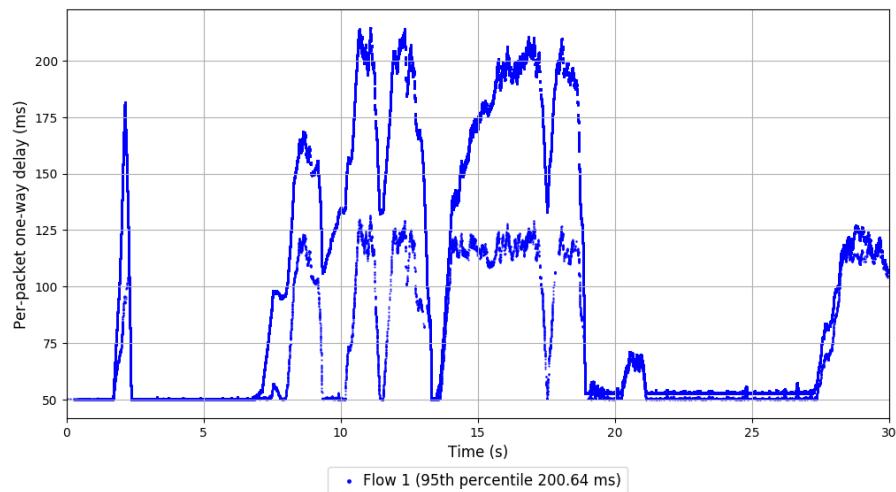
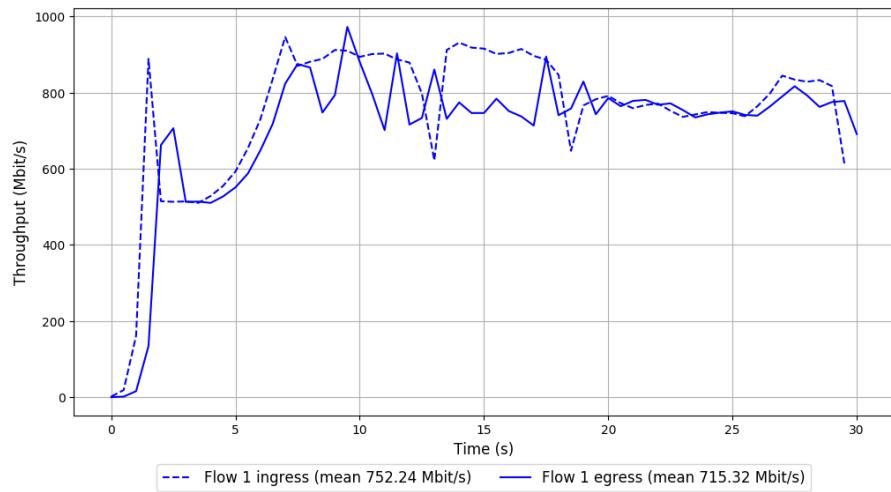


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-08-03 08:03:24
End at: 2018-08-03 08:03:54
Local clock offset: 0.057 ms
Remote clock offset: -0.251 ms

# Below is generated by plot.py at 2018-08-03 09:54:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 715.32 Mbit/s
95th percentile per-packet one-way delay: 200.642 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 715.32 Mbit/s
95th percentile per-packet one-way delay: 200.642 ms
Loss rate: 4.90%
```

Run 10: Report of PCC-Allegro — Data Link

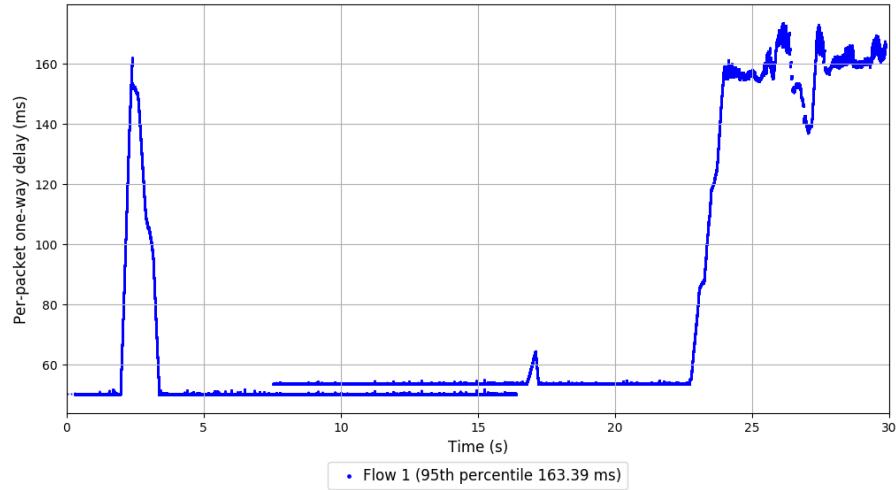
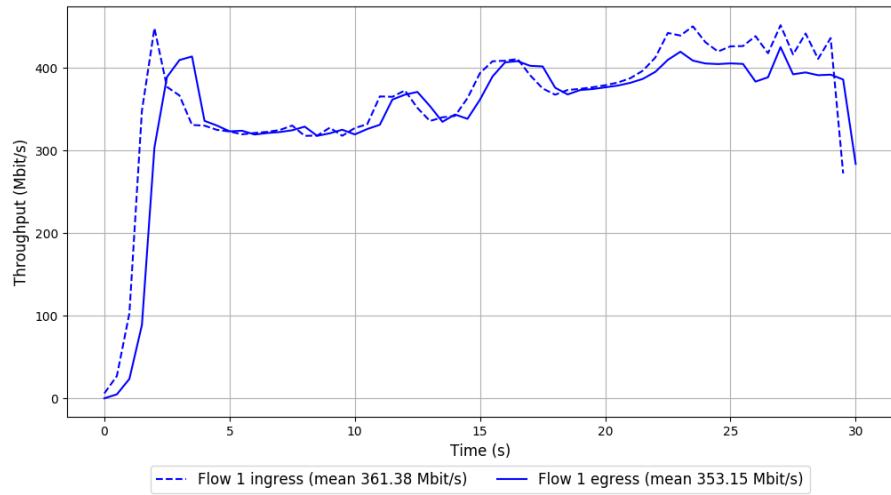


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-08-03 04:51:36
End at: 2018-08-03 04:52:07
Local clock offset: 0.135 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2018-08-03 09:54:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.15 Mbit/s
95th percentile per-packet one-way delay: 163.390 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 353.15 Mbit/s
95th percentile per-packet one-way delay: 163.390 ms
Loss rate: 2.27%
```

Run 1: Report of PCC-Expr — Data Link

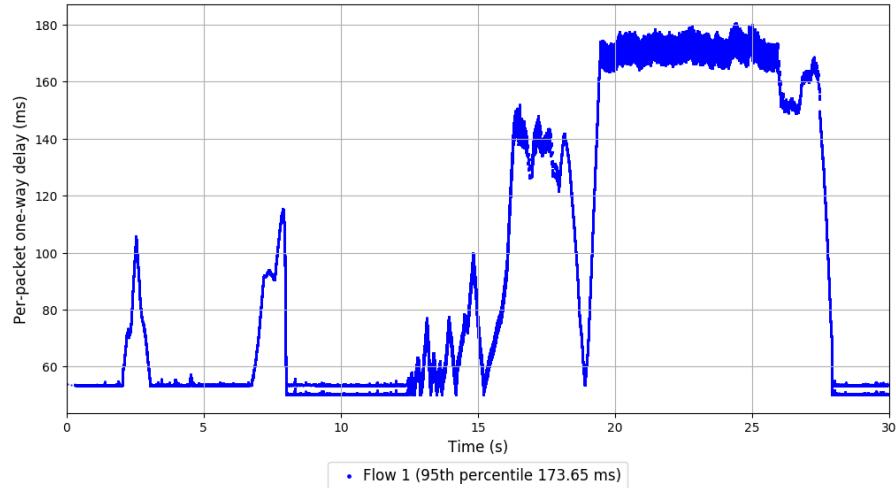
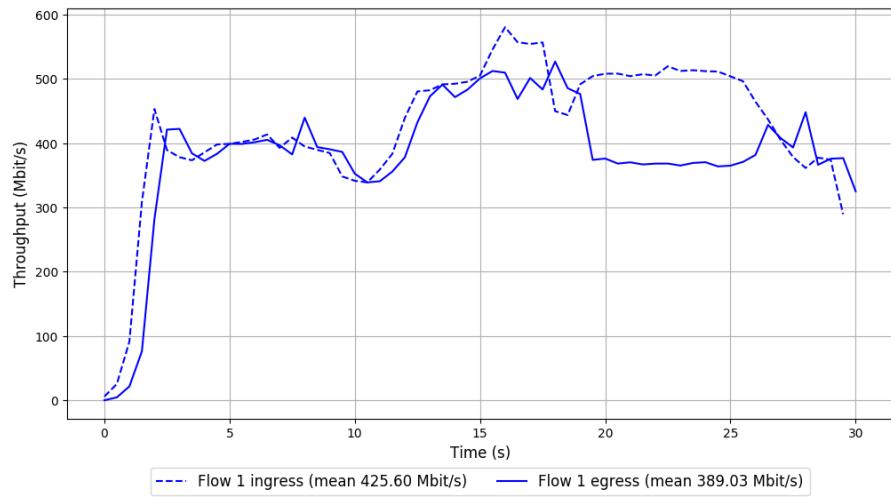


Run 2: Statistics of PCC-Expr

```
Start at: 2018-08-03 05:14:05
End at: 2018-08-03 05:14:35
Local clock offset: 0.04 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-08-03 09:56:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.03 Mbit/s
95th percentile per-packet one-way delay: 173.650 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 389.03 Mbit/s
95th percentile per-packet one-way delay: 173.650 ms
Loss rate: 8.60%
```

Run 2: Report of PCC-Expr — Data Link

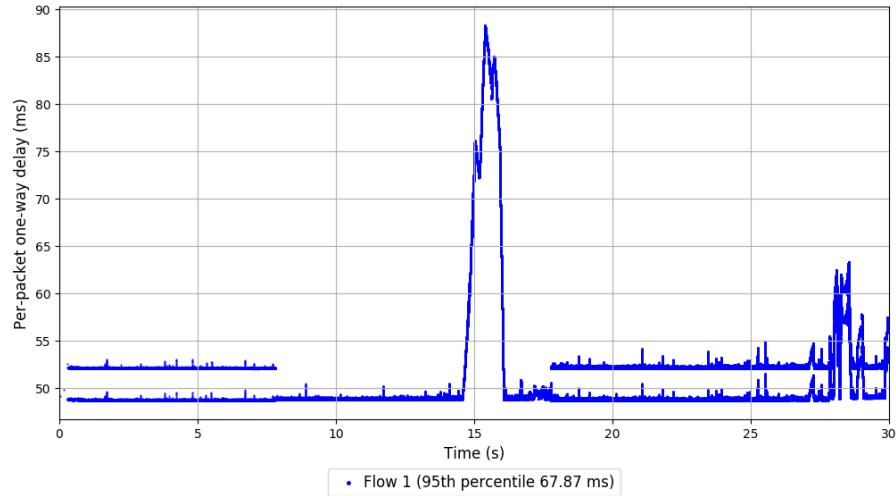
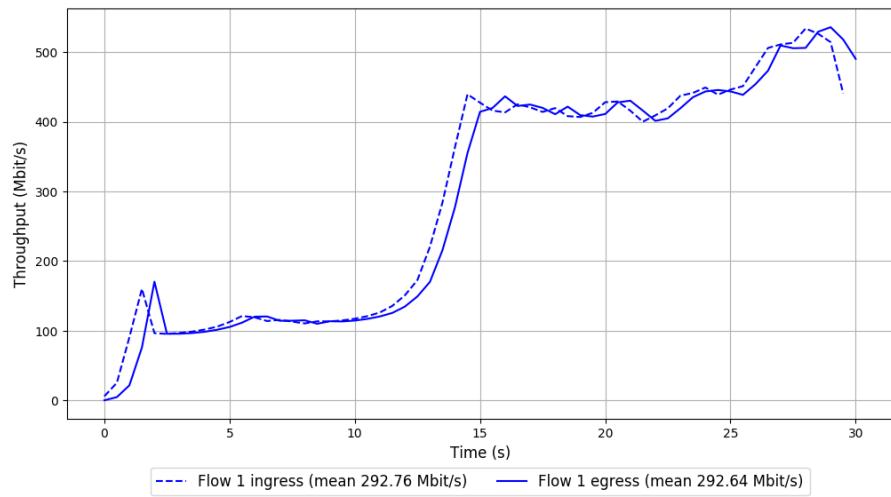


Run 3: Statistics of PCC-Expr

```
Start at: 2018-08-03 05:36:45
End at: 2018-08-03 05:37:15
Local clock offset: -0.029 ms
Remote clock offset: -1.518 ms

# Below is generated by plot.py at 2018-08-03 09:56:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 292.64 Mbit/s
95th percentile per-packet one-way delay: 67.867 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 292.64 Mbit/s
95th percentile per-packet one-way delay: 67.867 ms
Loss rate: 0.03%
```

Run 3: Report of PCC-Expr — Data Link

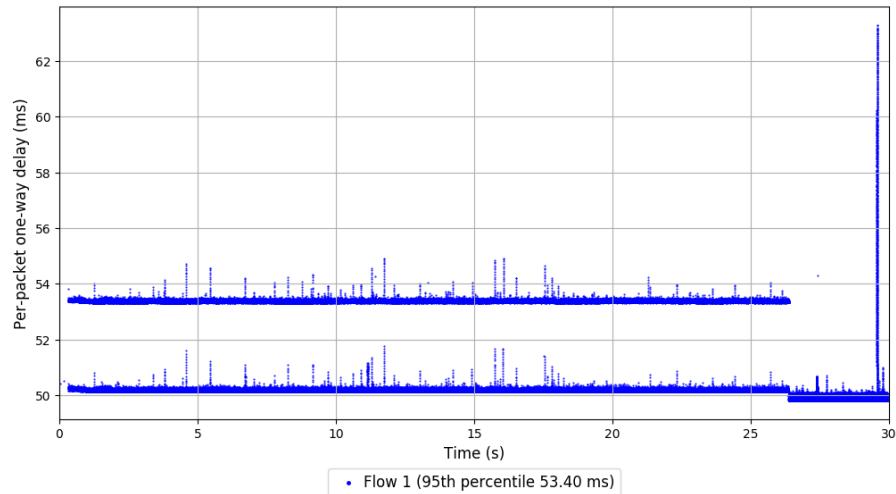
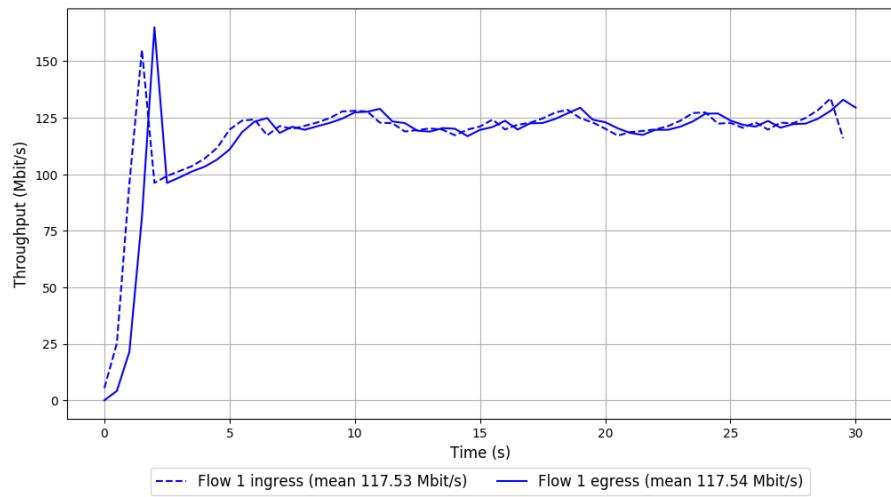


Run 4: Statistics of PCC-Expr

```
Start at: 2018-08-03 05:58:57
End at: 2018-08-03 05:59:27
Local clock offset: 0.159 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-08-03 09:56:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.54 Mbit/s
95th percentile per-packet one-way delay: 53.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.54 Mbit/s
95th percentile per-packet one-way delay: 53.397 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Expr — Data Link

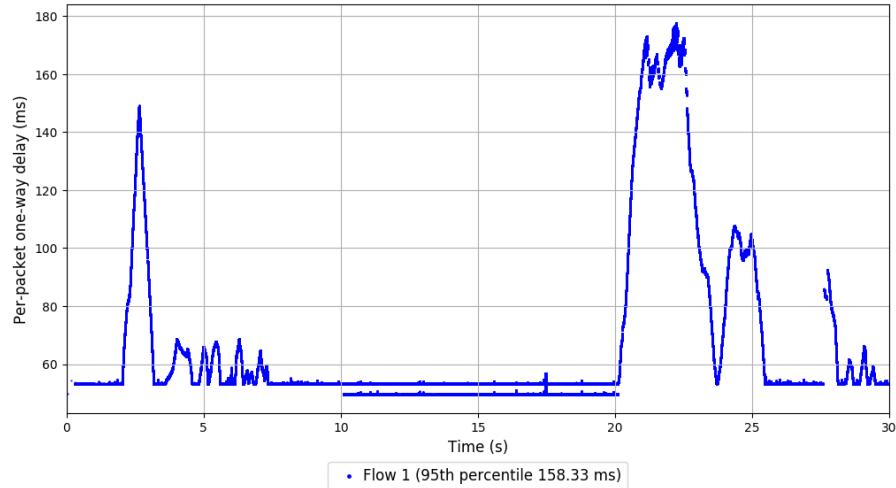
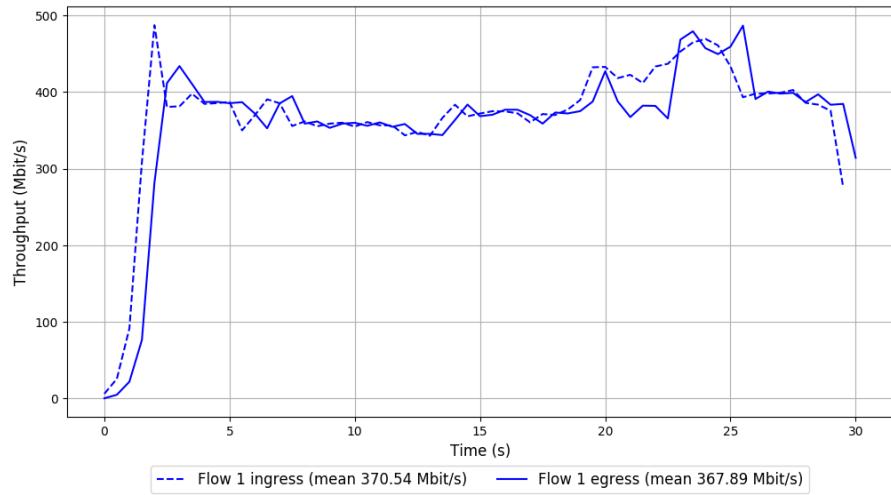


Run 5: Statistics of PCC-Expr

```
Start at: 2018-08-03 06:20:54
End at: 2018-08-03 06:21:24
Local clock offset: 0.091 ms
Remote clock offset: -0.448 ms

# Below is generated by plot.py at 2018-08-03 09:59:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.89 Mbit/s
95th percentile per-packet one-way delay: 158.329 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 367.89 Mbit/s
95th percentile per-packet one-way delay: 158.329 ms
Loss rate: 0.70%
```

Run 5: Report of PCC-Expr — Data Link

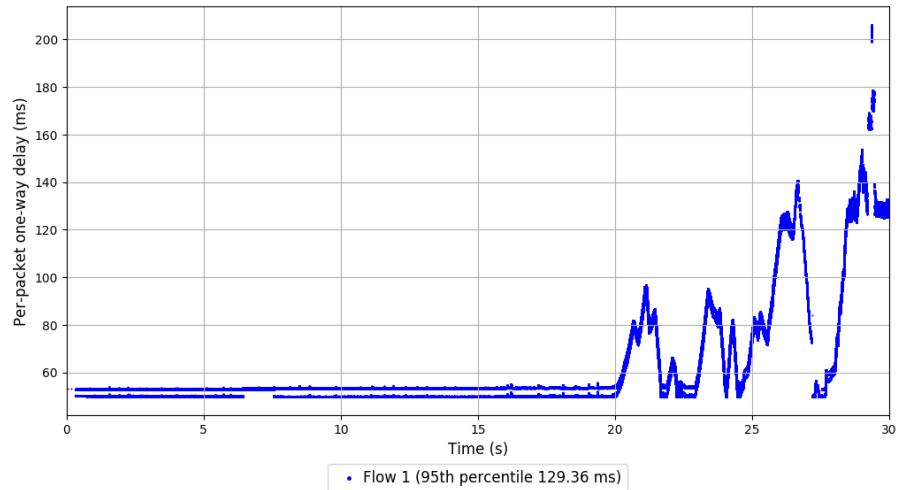
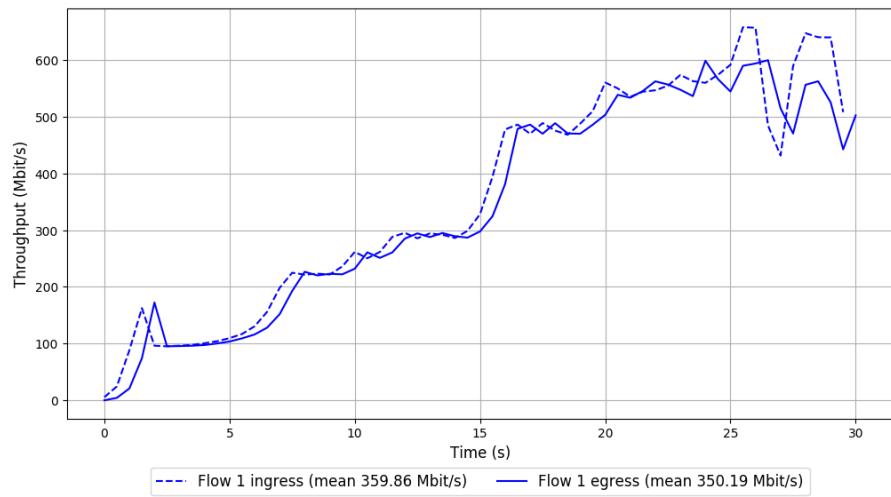


Run 6: Statistics of PCC-Expr

```
Start at: 2018-08-03 06:43:17
End at: 2018-08-03 06:43:47
Local clock offset: 0.016 ms
Remote clock offset: -0.429 ms

# Below is generated by plot.py at 2018-08-03 09:59:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.19 Mbit/s
95th percentile per-packet one-way delay: 129.362 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 350.19 Mbit/s
95th percentile per-packet one-way delay: 129.362 ms
Loss rate: 2.70%
```

Run 6: Report of PCC-Expr — Data Link

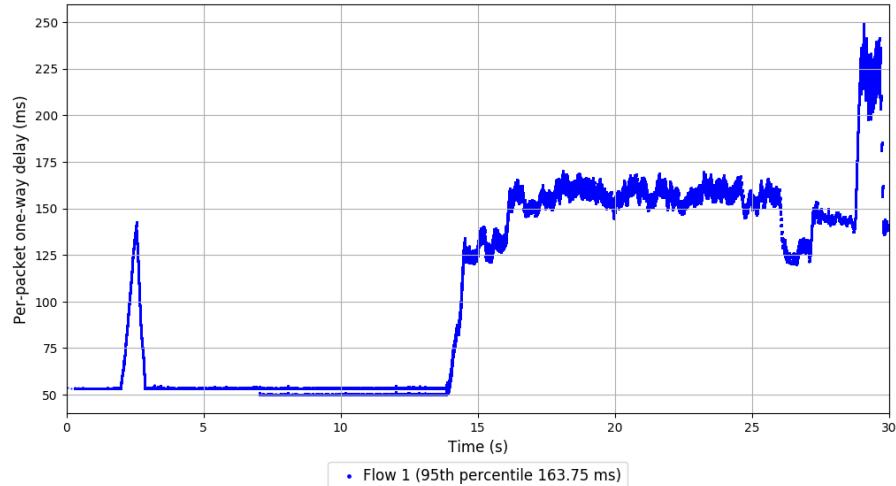
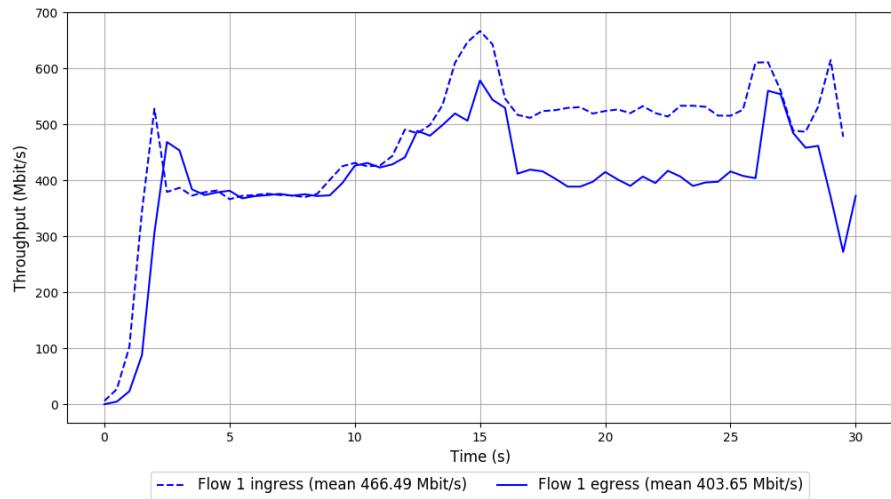


Run 7: Statistics of PCC-Expr

```
Start at: 2018-08-03 07:05:07
End at: 2018-08-03 07:05:37
Local clock offset: 0.036 ms
Remote clock offset: -0.262 ms

# Below is generated by plot.py at 2018-08-03 10:05:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 403.65 Mbit/s
95th percentile per-packet one-way delay: 163.751 ms
Loss rate: 13.47%
-- Flow 1:
Average throughput: 403.65 Mbit/s
95th percentile per-packet one-way delay: 163.751 ms
Loss rate: 13.47%
```

Run 7: Report of PCC-Expr — Data Link

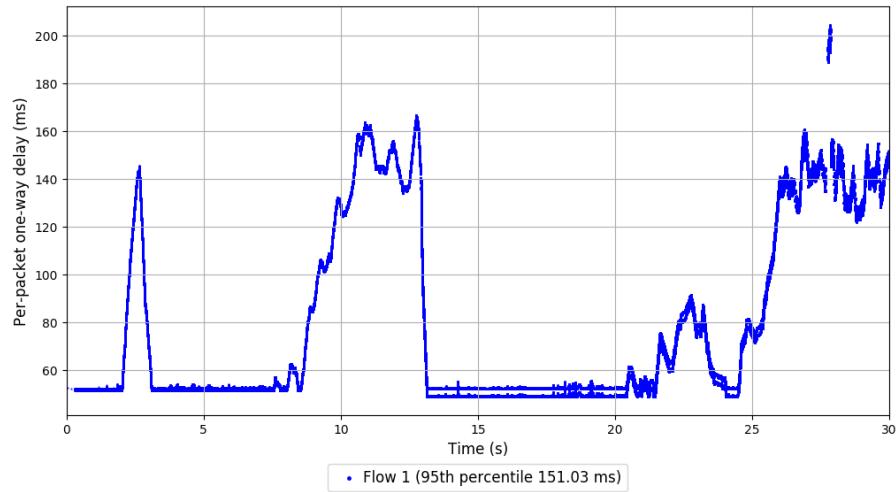
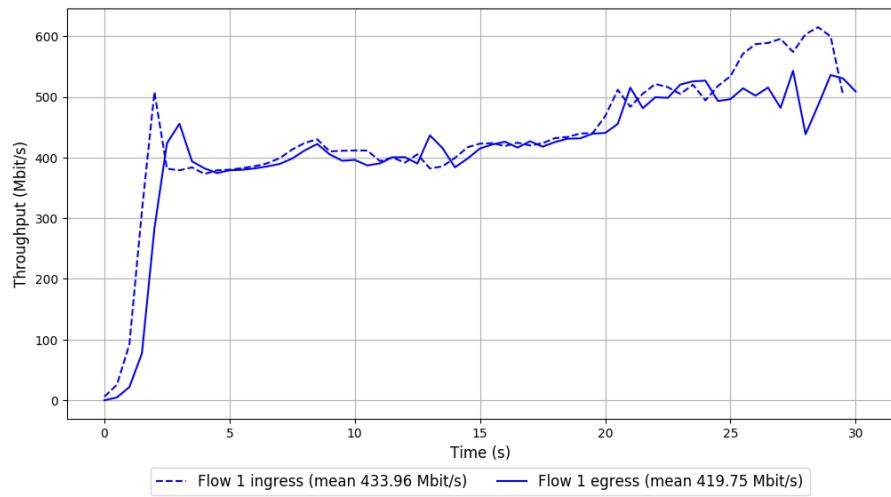


Run 8: Statistics of PCC-Expr

```
Start at: 2018-08-03 07:27:20
End at: 2018-08-03 07:27:50
Local clock offset: 0.038 ms
Remote clock offset: -1.486 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 419.75 Mbit/s
95th percentile per-packet one-way delay: 151.035 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 419.75 Mbit/s
95th percentile per-packet one-way delay: 151.035 ms
Loss rate: 3.21%
```

Run 8: Report of PCC-Expr — Data Link

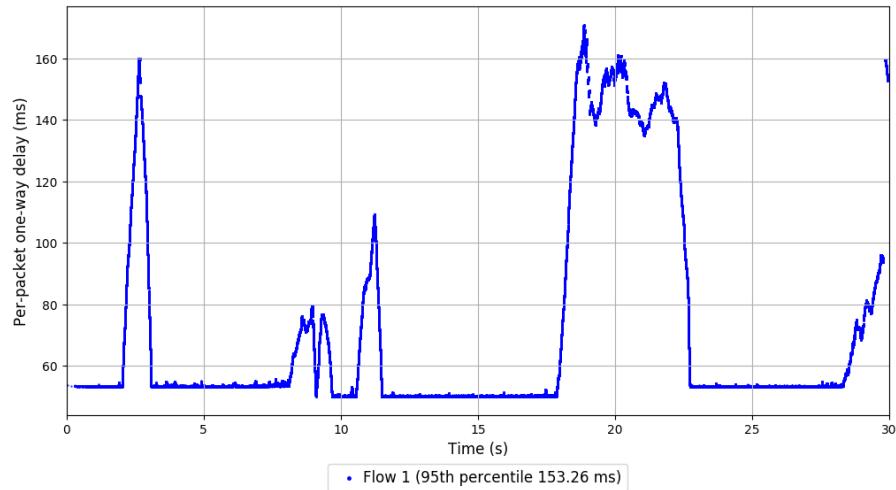
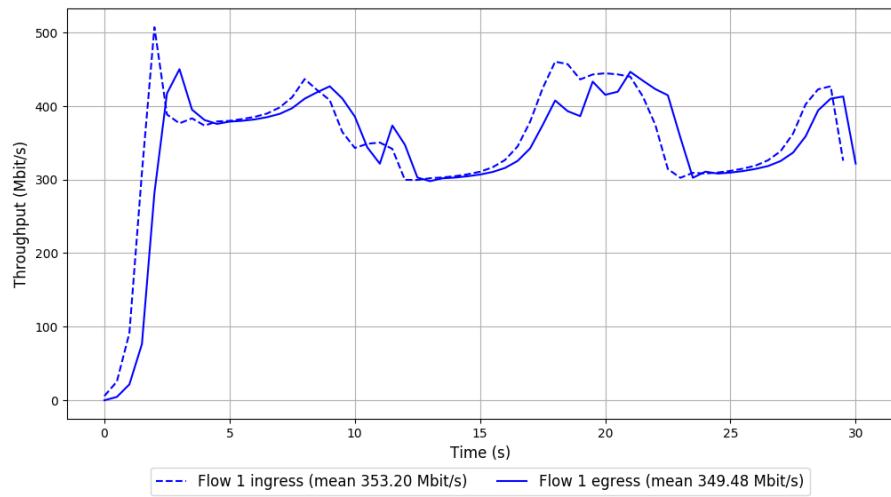


Run 9: Statistics of PCC-Expr

```
Start at: 2018-08-03 07:49:44
End at: 2018-08-03 07:50:14
Local clock offset: 0.037 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 349.48 Mbit/s
95th percentile per-packet one-way delay: 153.259 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 349.48 Mbit/s
95th percentile per-packet one-way delay: 153.259 ms
Loss rate: 1.05%
```

Run 9: Report of PCC-Expr — Data Link

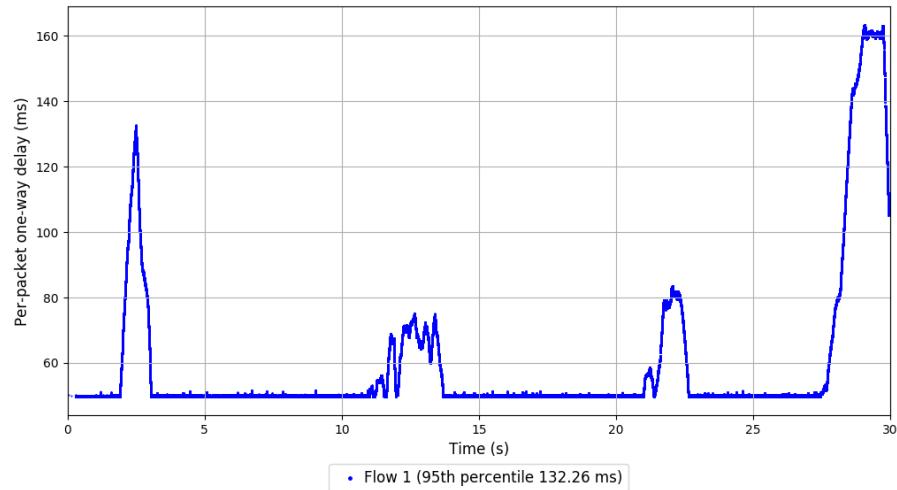
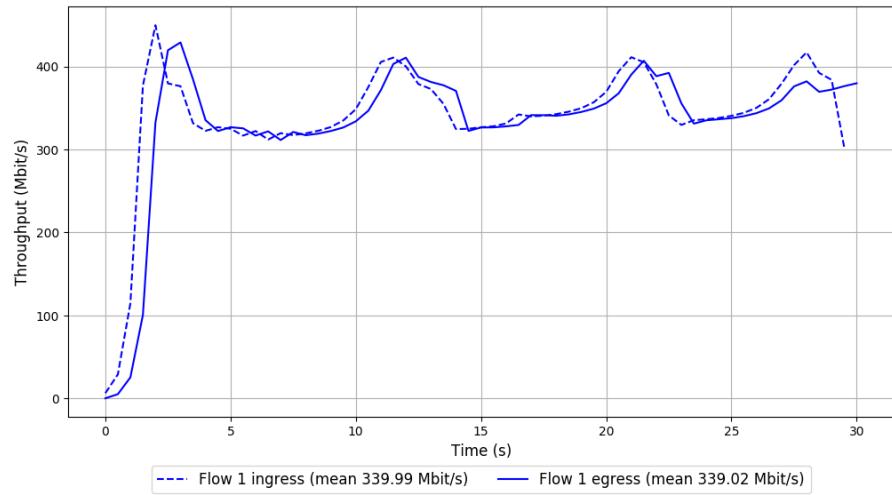


Run 10: Statistics of PCC-Expr

```
Start at: 2018-08-03 08:12:03
End at: 2018-08-03 08:12:33
Local clock offset: 0.217 ms
Remote clock offset: -0.419 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.02 Mbit/s
95th percentile per-packet one-way delay: 132.262 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 339.02 Mbit/s
95th percentile per-packet one-way delay: 132.262 ms
Loss rate: 0.28%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

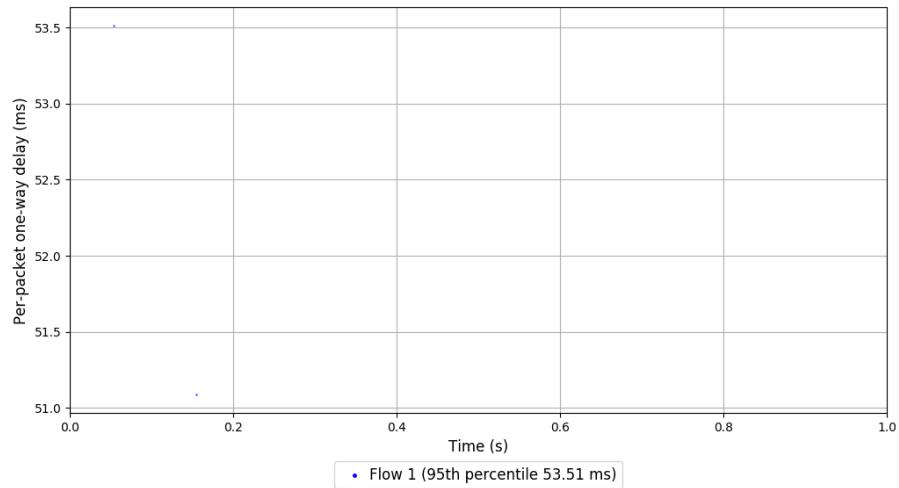
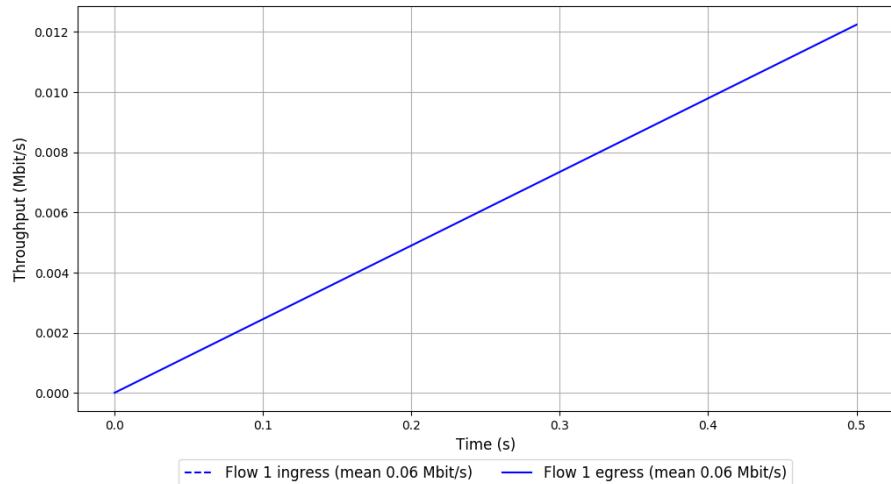
Start at: 2018-08-03 04:39:03

End at: 2018-08-03 04:39:33

Local clock offset: 0.036 ms

Remote clock offset: 0.235 ms

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



Run 2: Statistics of QUIC Cubic

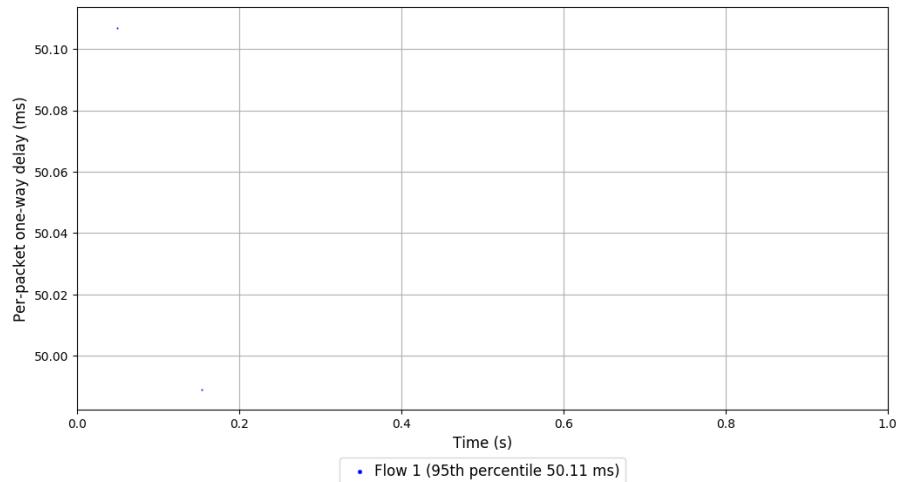
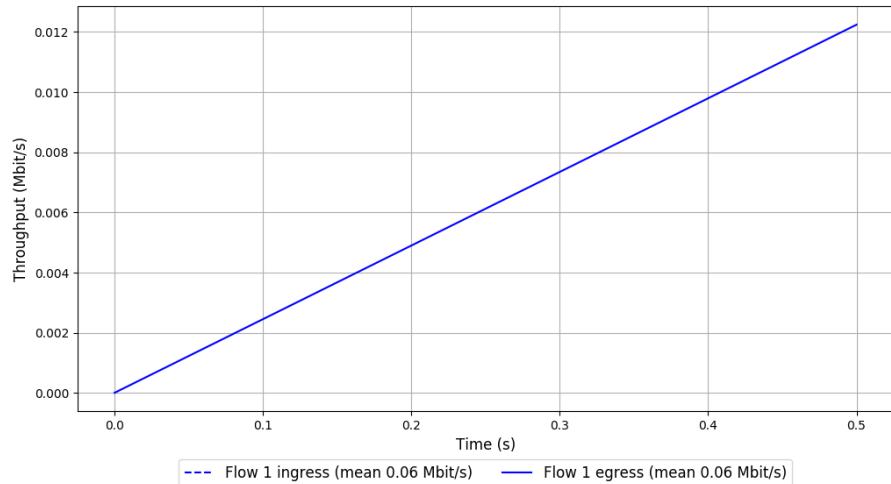
Start at: 2018-08-03 05:01:26

End at: 2018-08-03 05:01:56

Local clock offset: 0.077 ms

Remote clock offset: -0.135 ms

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



Run 3: Statistics of QUIC Cubic

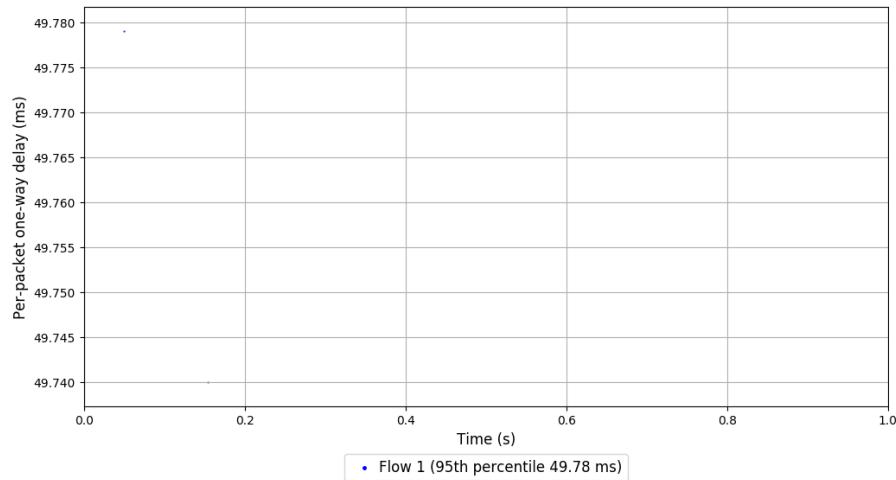
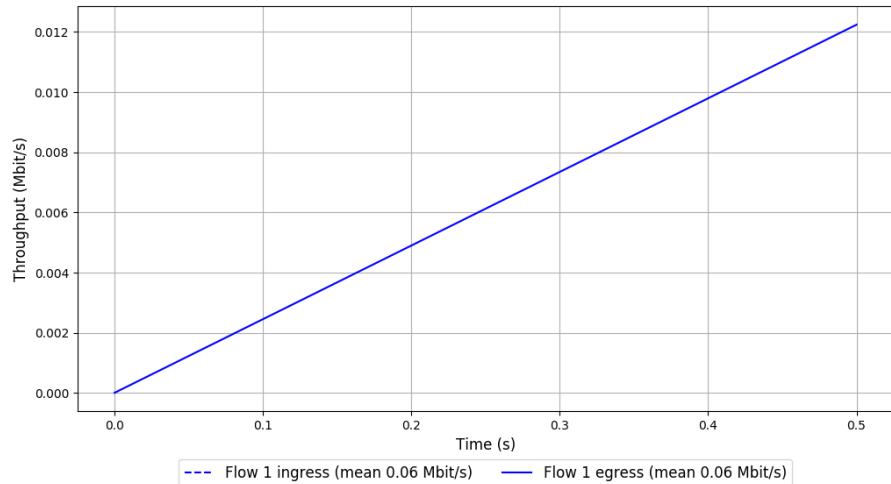
Start at: 2018-08-03 05:23:59

End at: 2018-08-03 05:24:29

Local clock offset: 0.059 ms

Remote clock offset: -0.328 ms

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

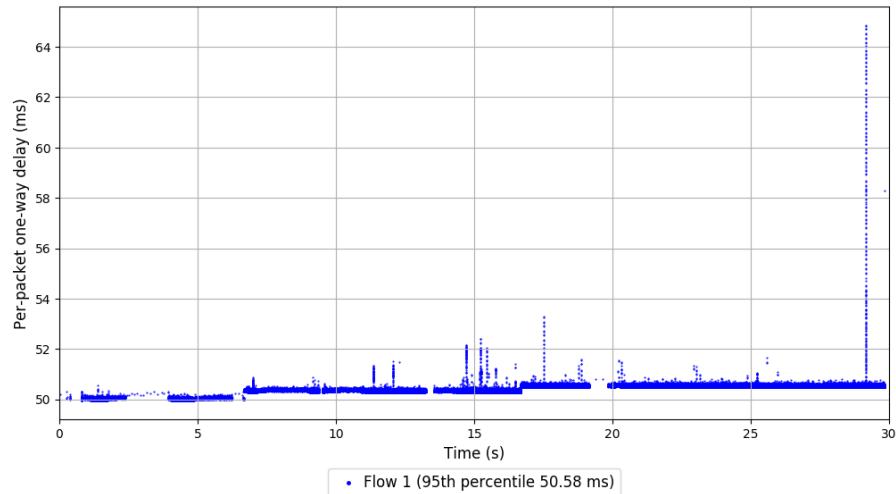
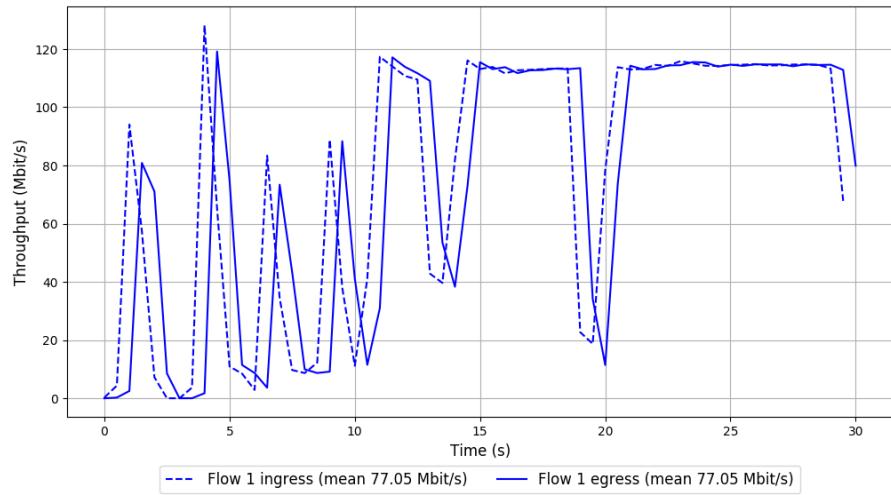


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-08-03 05:46:27
End at: 2018-08-03 05:46:57
Local clock offset: -0.239 ms
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.00%
```

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



Run 5: Statistics of QUIC Cubic

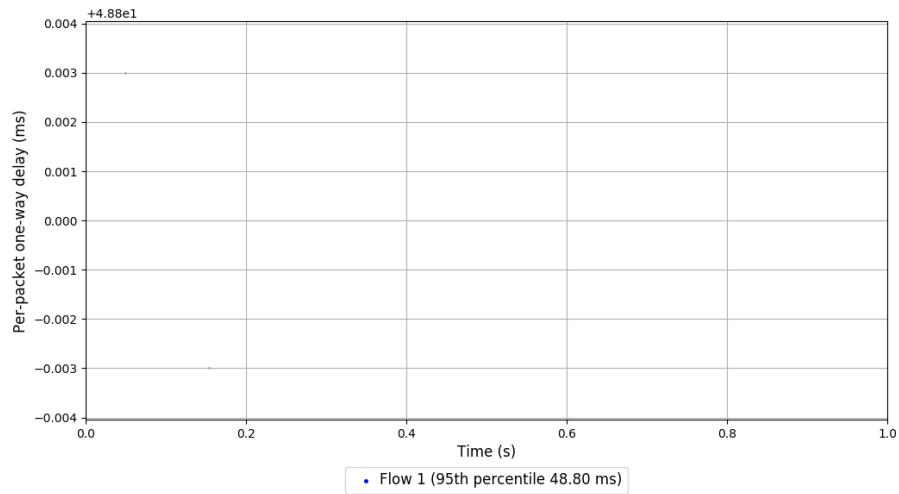
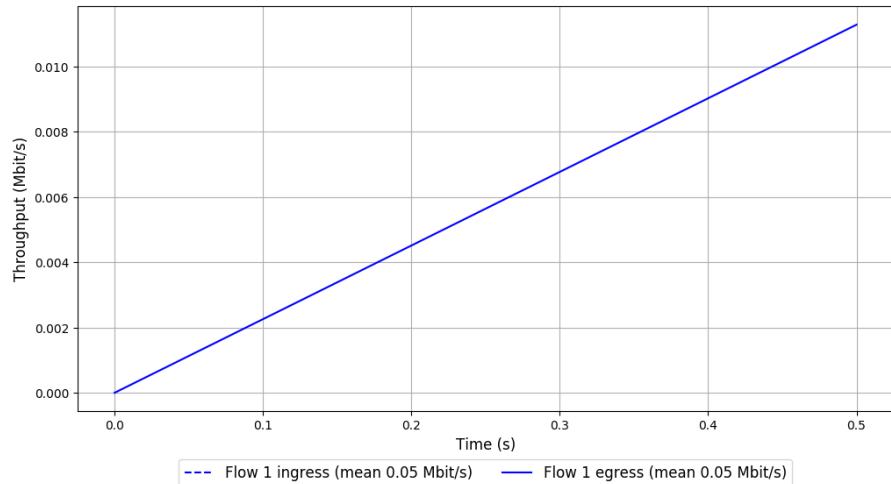
Start at: 2018-08-03 06:08:14

End at: 2018-08-03 06:08:44

Local clock offset: -0.07 ms

Remote clock offset: -1.485 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

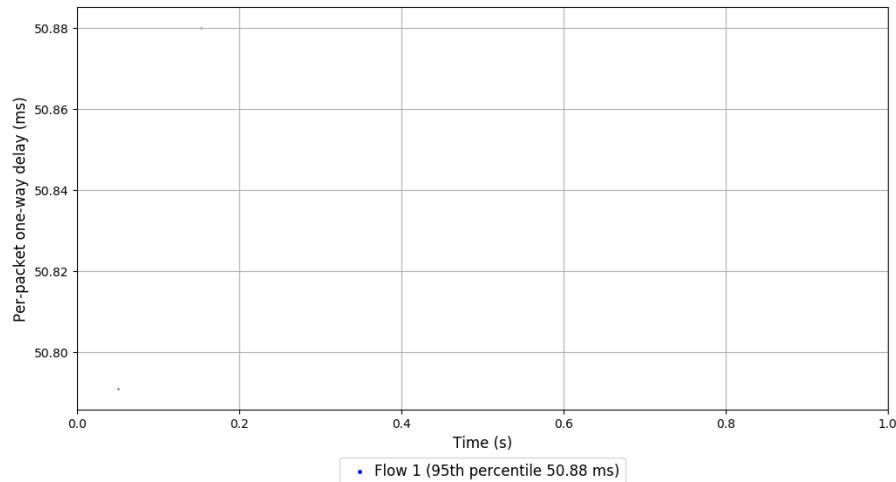
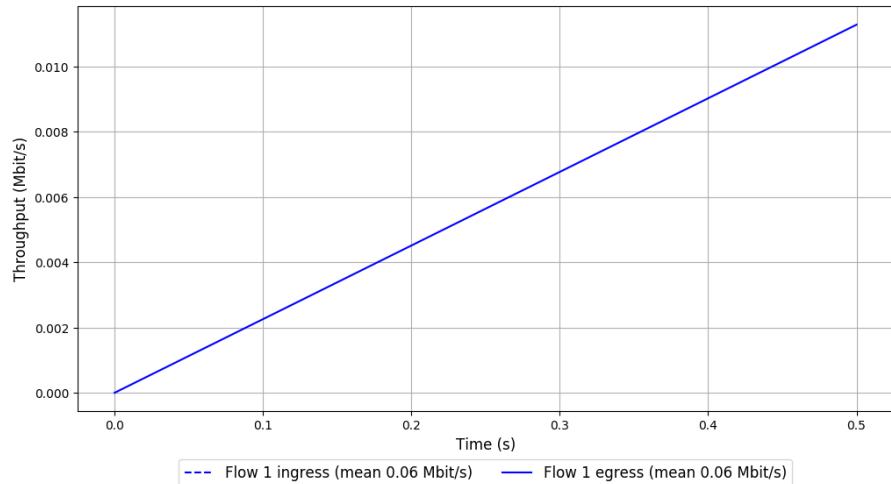
Start at: 2018-08-03 06:30:43

End at: 2018-08-03 06:31:13

Local clock offset: -0.016 ms

Remote clock offset: -0.008 ms

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



Run 7: Statistics of QUIC Cubic

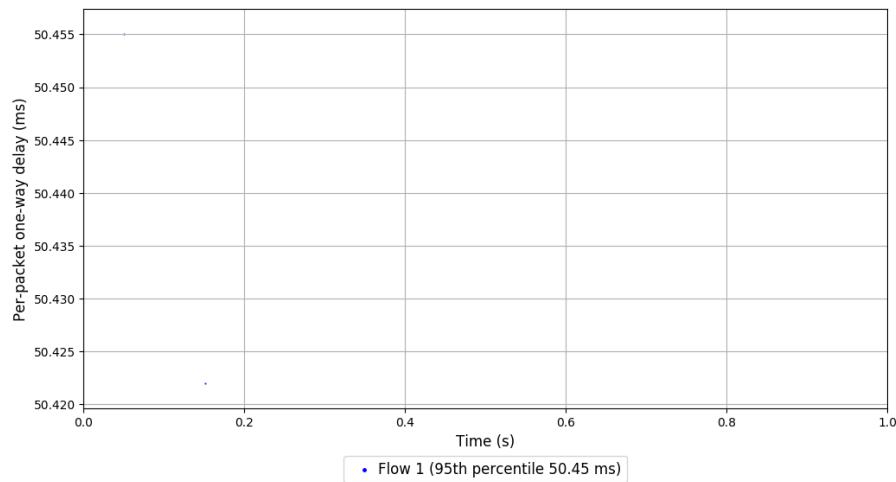
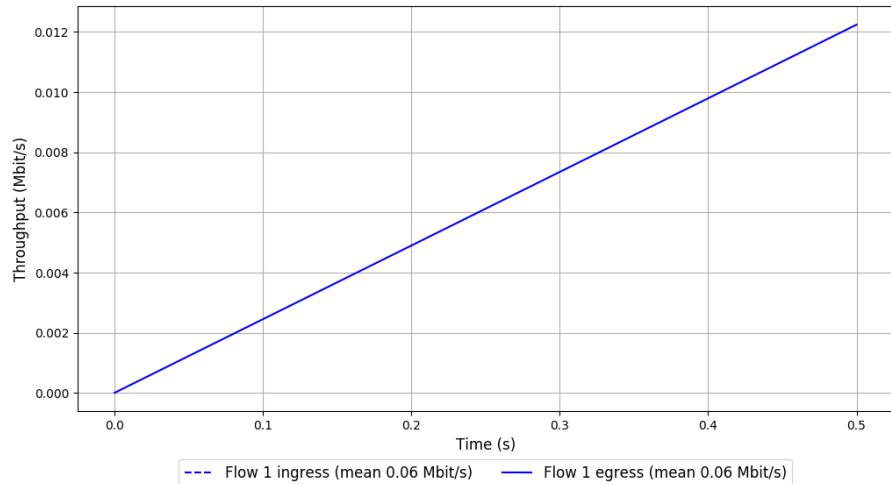
Start at: 2018-08-03 06:52:43

End at: 2018-08-03 06:53:13

Local clock offset: 0.0 ms

Remote clock offset: -0.193 ms

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

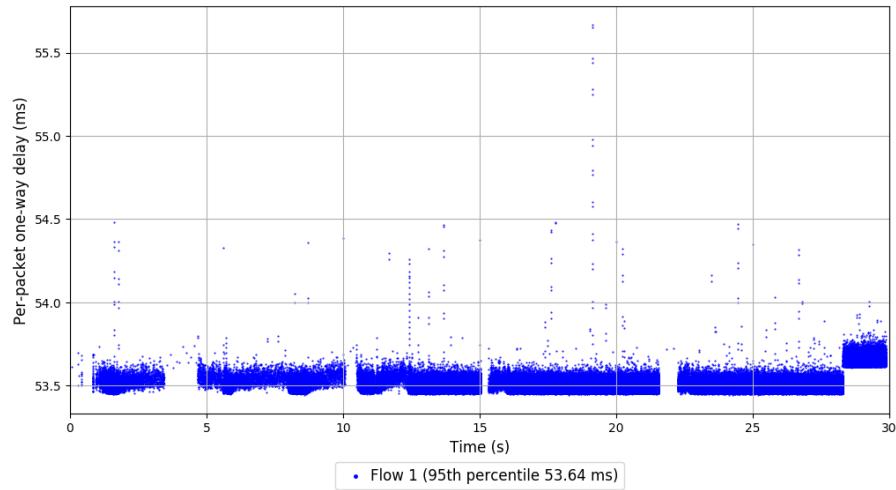
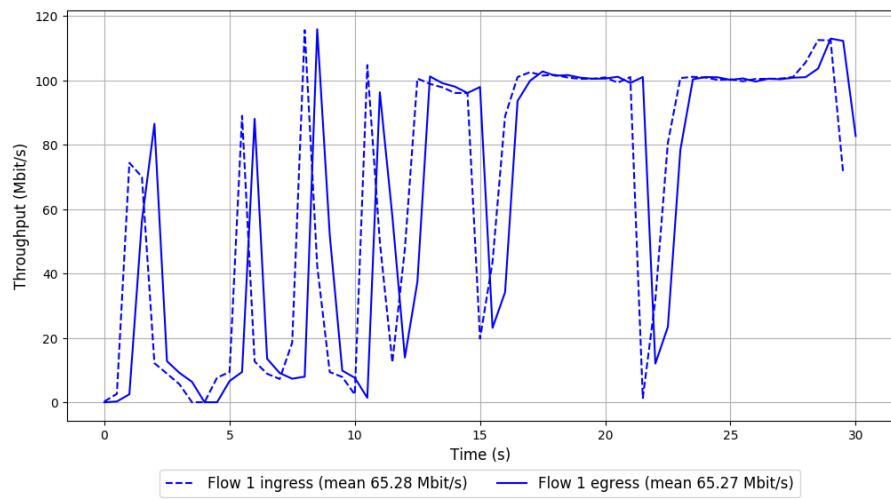


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-08-03 07:14:45
End at: 2018-08-03 07:15:15
Local clock offset: 0.028 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 53.644 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 53.644 ms
Loss rate: 0.02%
```

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



Run 9: Statistics of QUIC Cubic

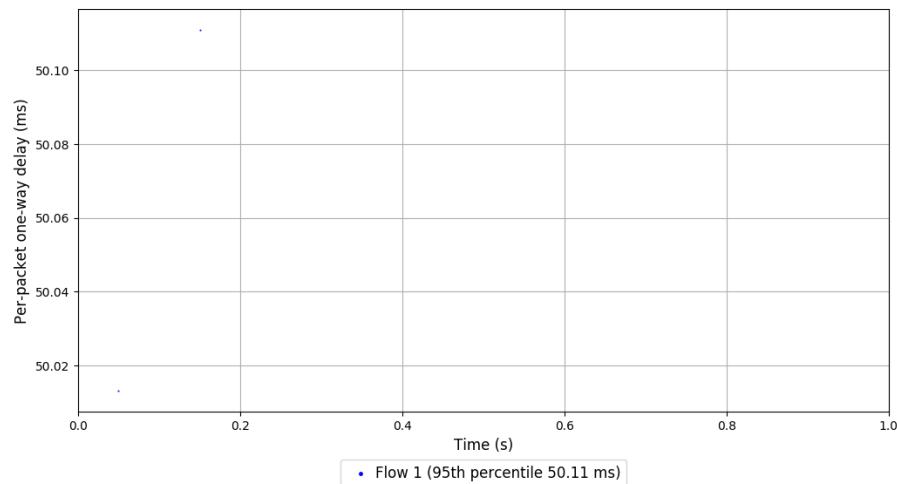
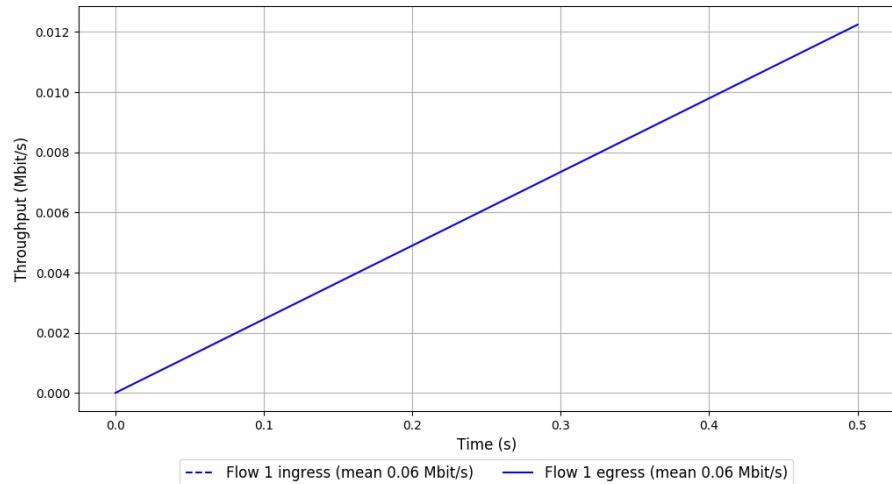
Start at: 2018-08-03 07:37:15

End at: 2018-08-03 07:37:45

Local clock offset: 0.063 ms

Remote clock offset: -0.291 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

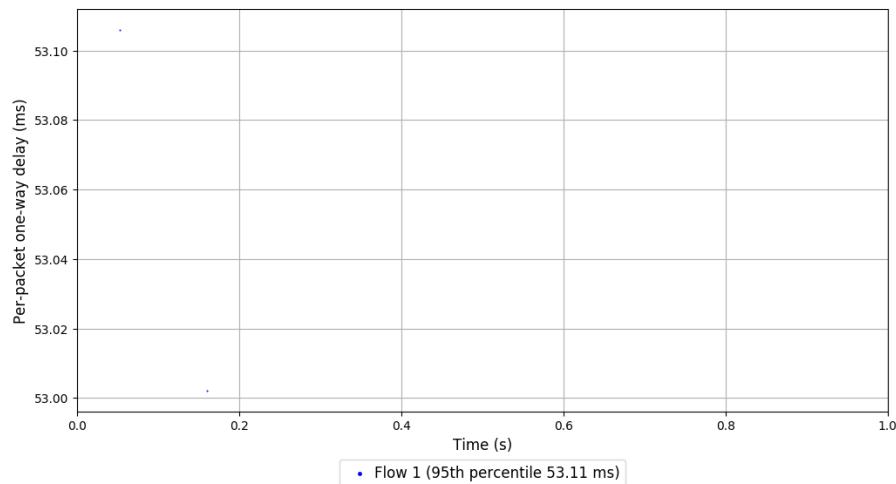
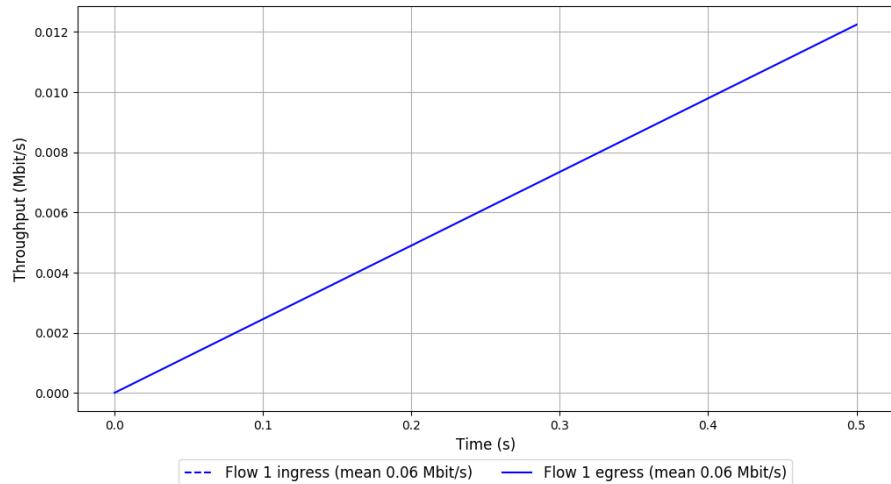
Start at: 2018-08-03 07:59:20

End at: 2018-08-03 07:59:50

Local clock offset: -0.048 ms

Remote clock offset: -0.133 ms

Run 10: Report of QUIC Cubic — Data Link

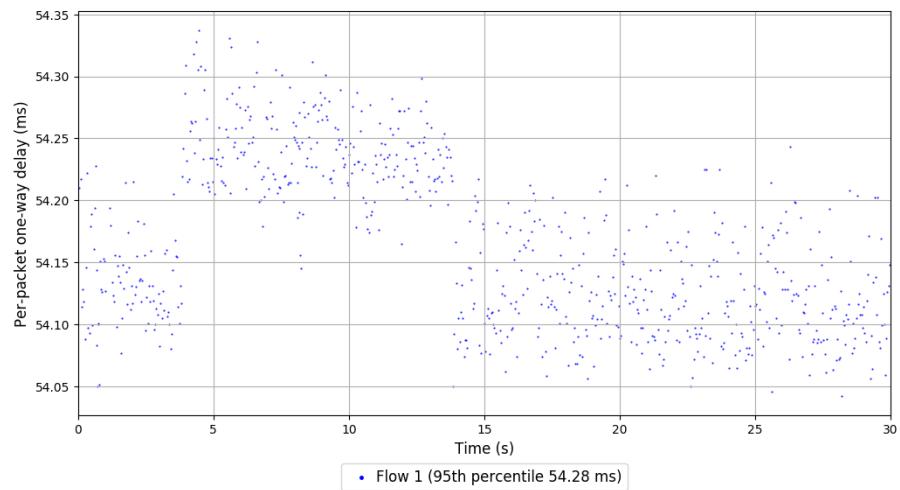
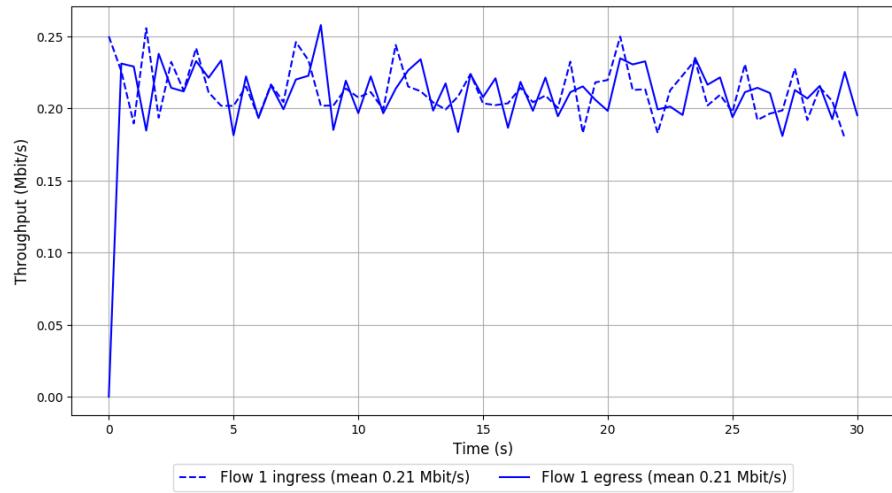


Run 1: Statistics of SCReAM

```
Start at: 2018-08-03 04:53:10
End at: 2018-08-03 04:53:40
Local clock offset: -0.119 ms
Remote clock offset: 0.127 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.276 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

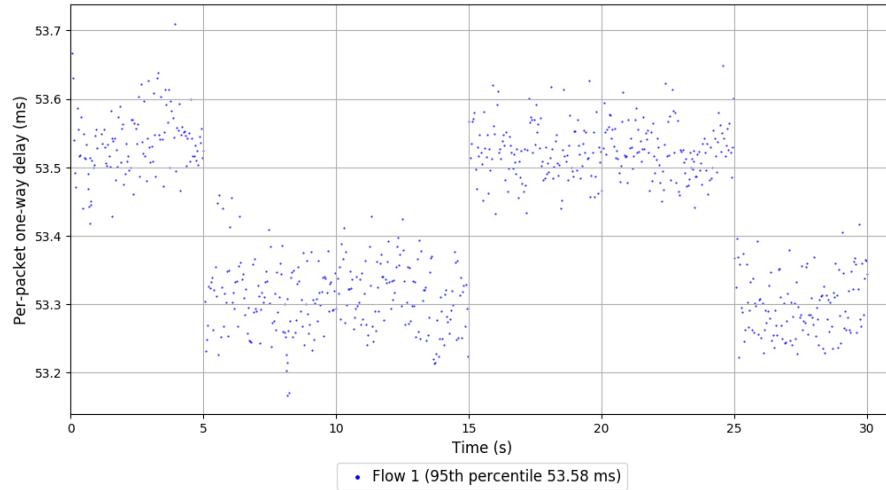
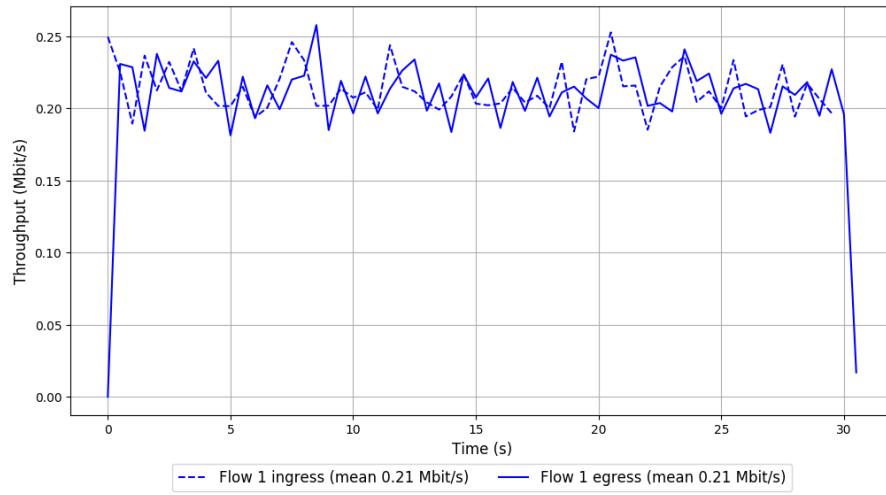


Run 2: Statistics of SCReAM

```
Start at: 2018-08-03 05:15:39
End at: 2018-08-03 05:16:09
Local clock offset: 0.118 ms
Remote clock offset: -0.416 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.581 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

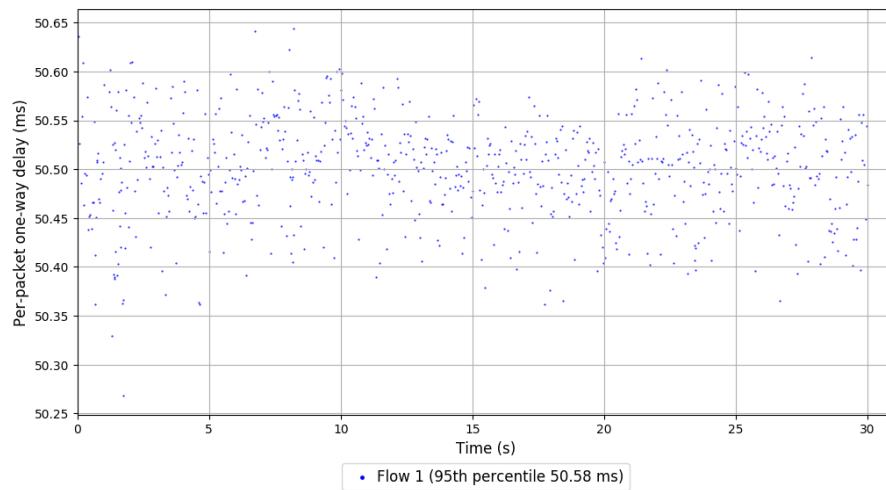
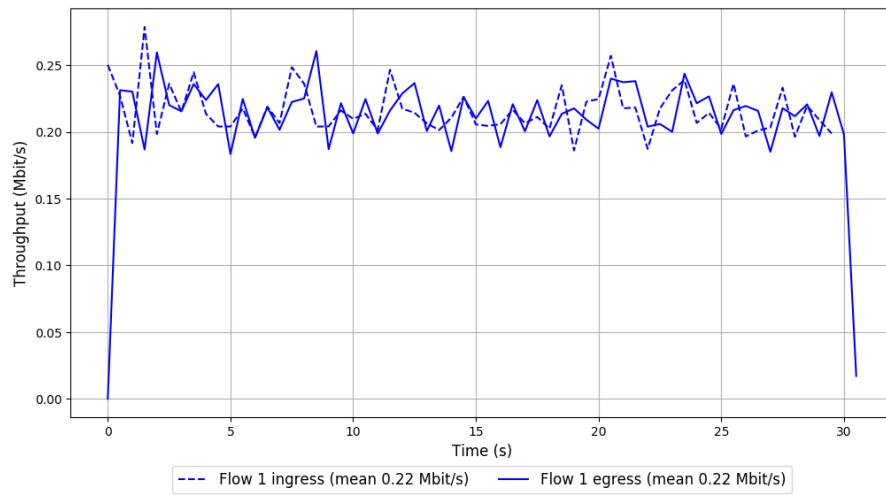


Run 3: Statistics of SCReAM

```
Start at: 2018-08-03 05:38:10
End at: 2018-08-03 05:38:40
Local clock offset: -0.026 ms
Remote clock offset: -0.358 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

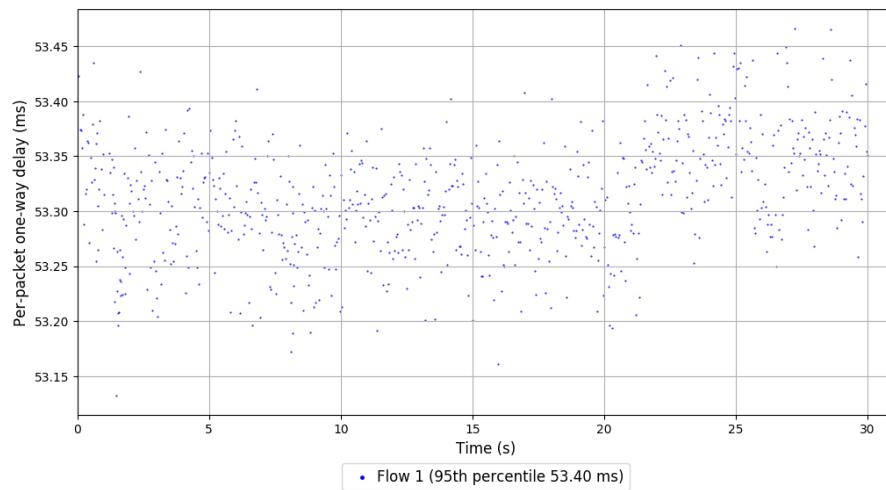
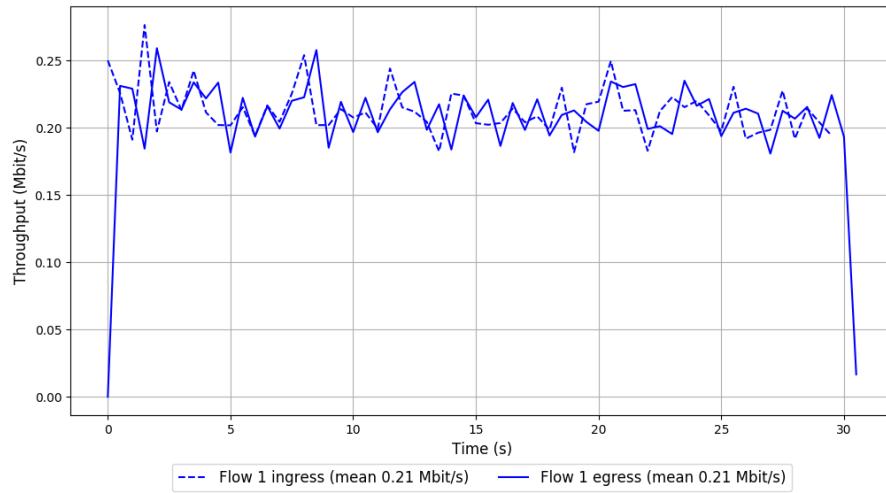


Run 4: Statistics of SCReAM

```
Start at: 2018-08-03 06:00:12
End at: 2018-08-03 06:00:42
Local clock offset: 0.171 ms
Remote clock offset: -0.349 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.396 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

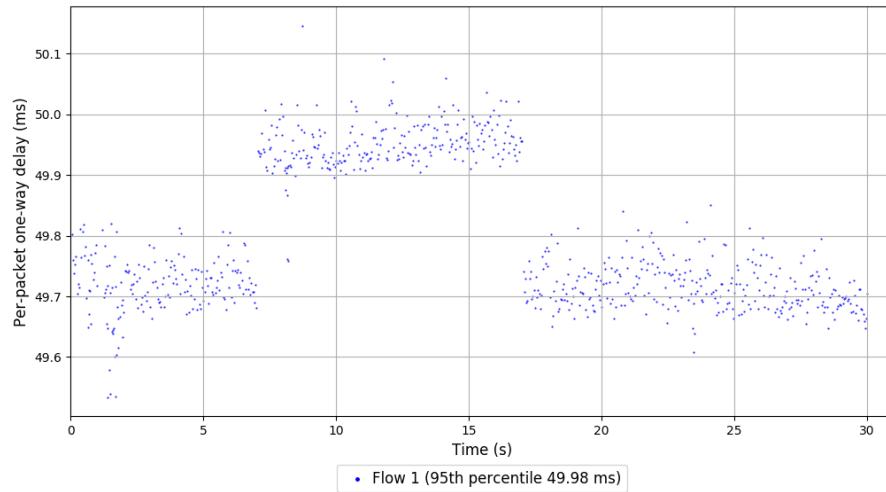
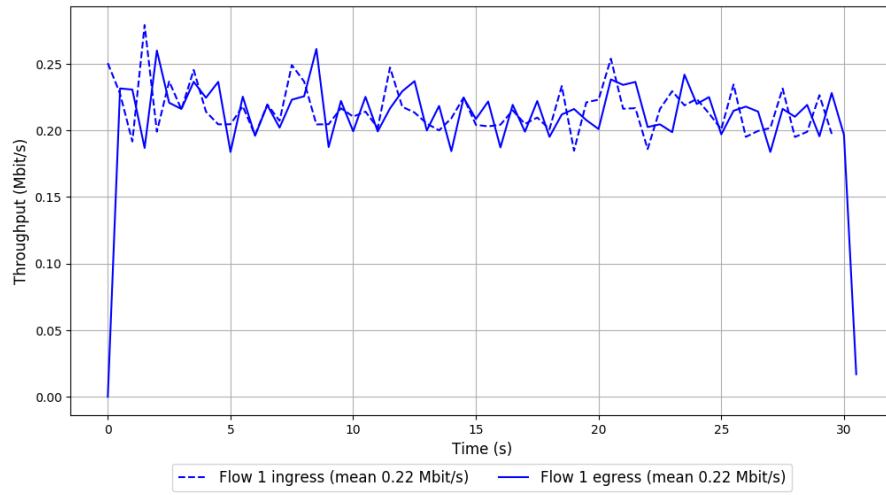


Run 5: Statistics of SCReAM

```
Start at: 2018-08-03 06:22:27
End at: 2018-08-03 06:22:57
Local clock offset: 0.243 ms
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.985 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

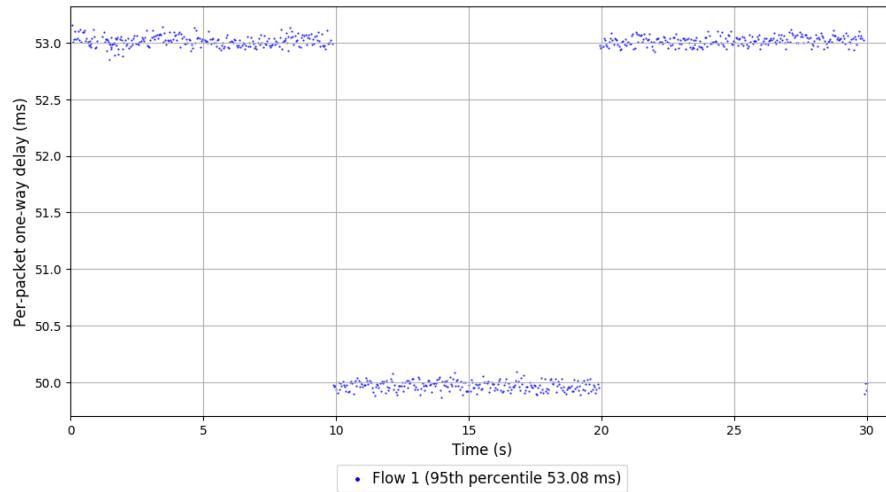
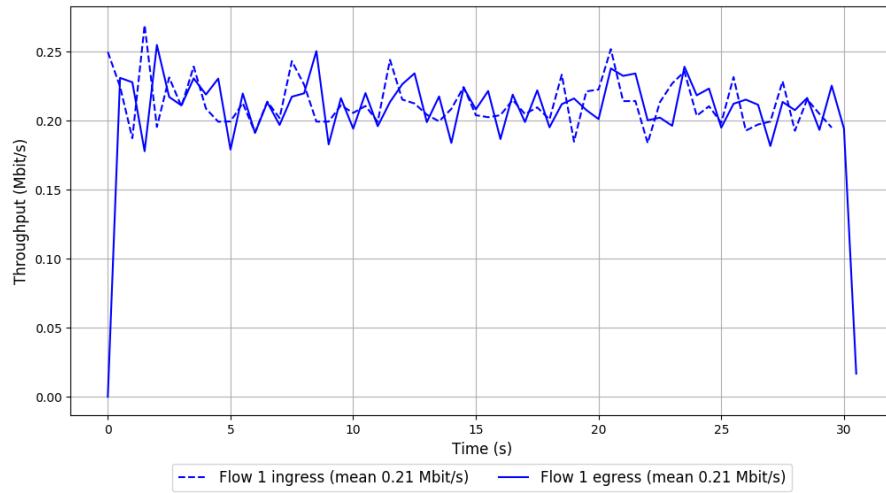


Run 6: Statistics of SCReAM

```
Start at: 2018-08-03 06:44:43
End at: 2018-08-03 06:45:13
Local clock offset: 0.057 ms
Remote clock offset: -0.477 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.082 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

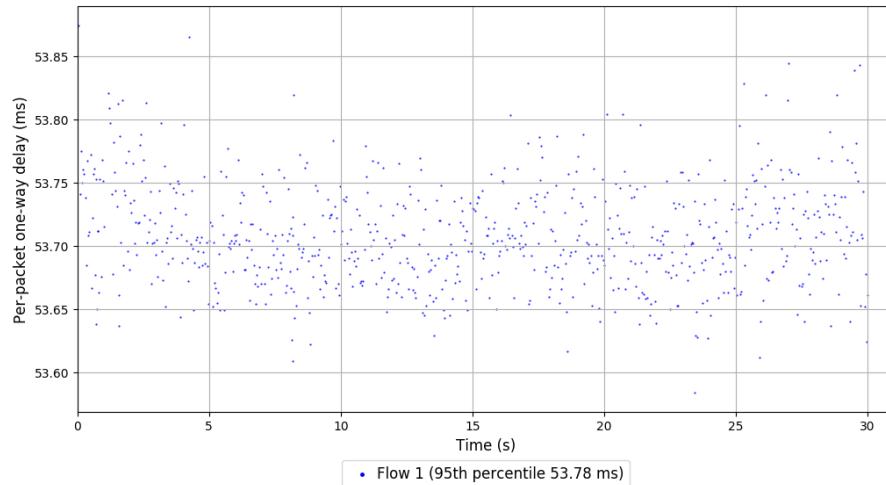
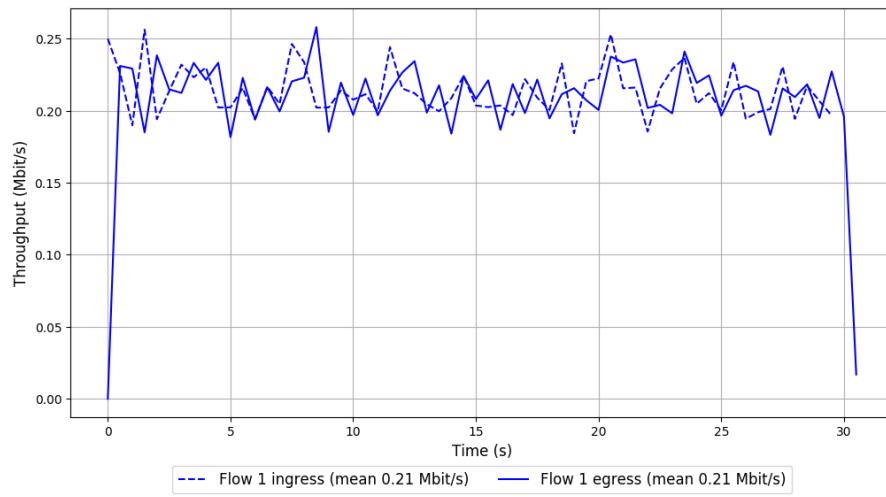


Run 7: Statistics of SCReAM

```
Start at: 2018-08-03 07:06:44
End at: 2018-08-03 07:07:14
Local clock offset: -0.165 ms
Remote clock offset: -0.242 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.777 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

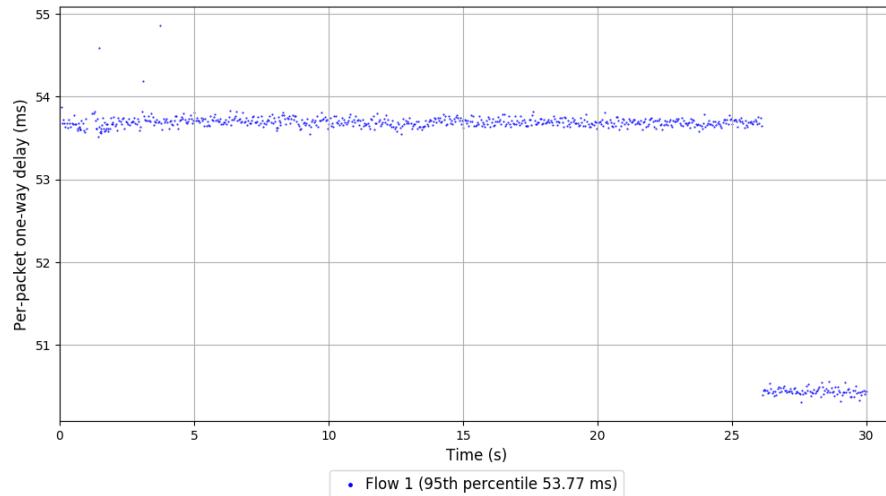
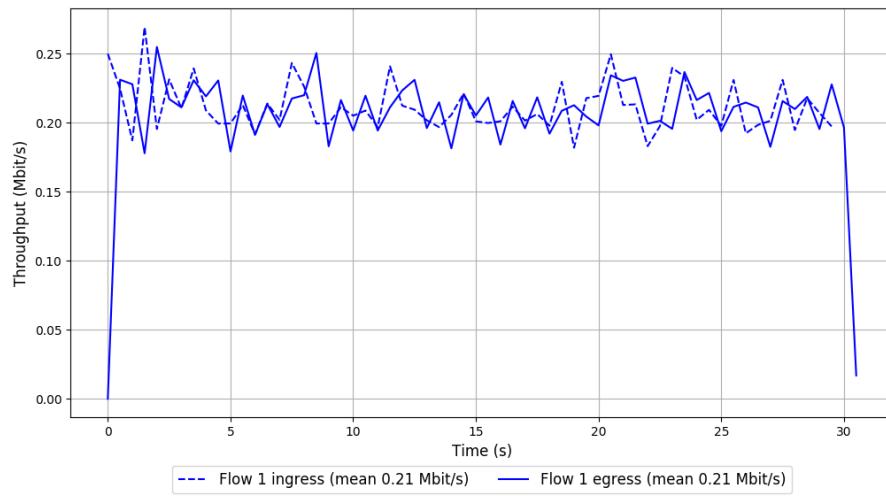


Run 8: Statistics of SCReAM

```
Start at: 2018-08-03 07:28:58
End at: 2018-08-03 07:29:28
Local clock offset: 0.021 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.769 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

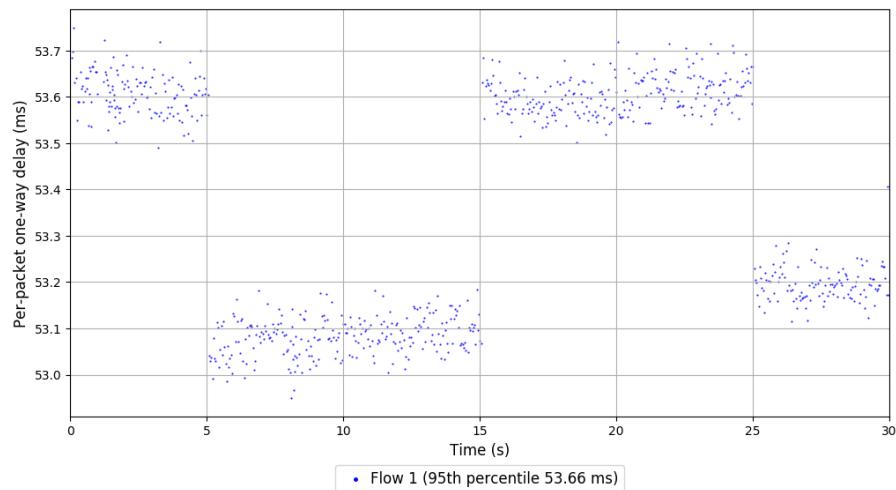
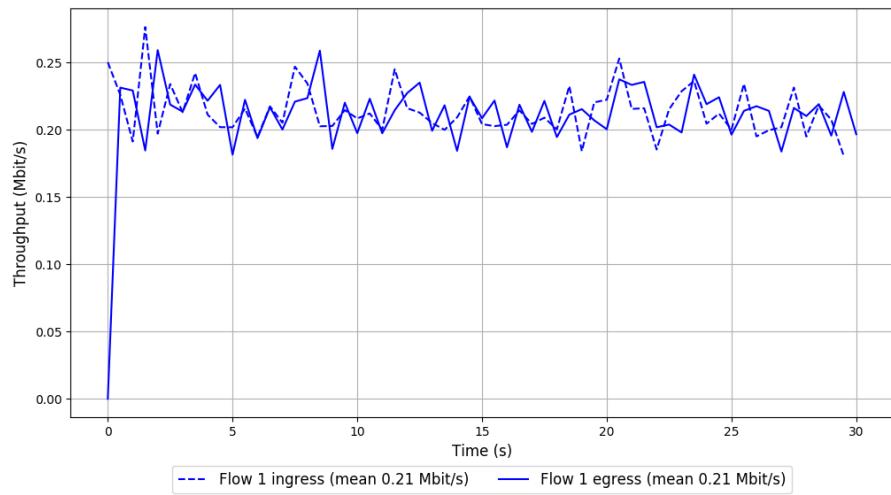


Run 9: Statistics of SCReAM

```
Start at: 2018-08-03 07:51:19
End at: 2018-08-03 07:51:49
Local clock offset: -0.052 ms
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.664 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

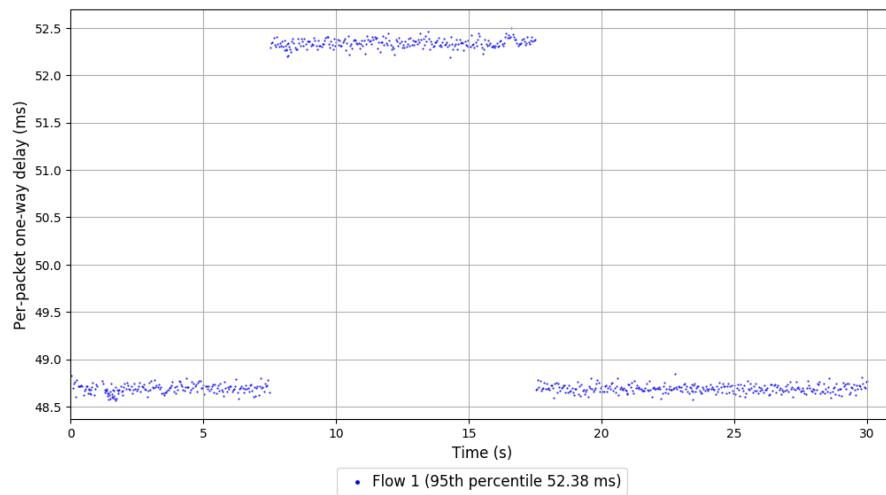
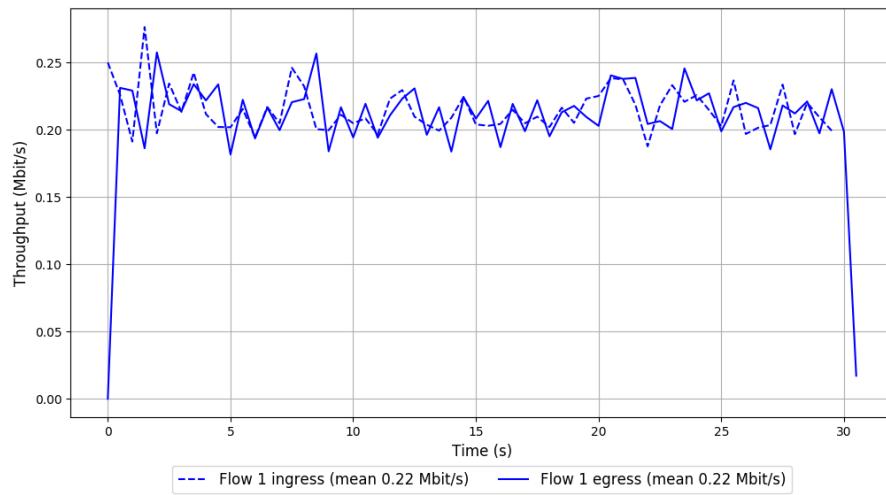


Run 10: Statistics of SCReAM

```
Start at: 2018-08-03 08:13:37
End at: 2018-08-03 08:14:07
Local clock offset: 0.031 ms
Remote clock offset: -1.452 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.383 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

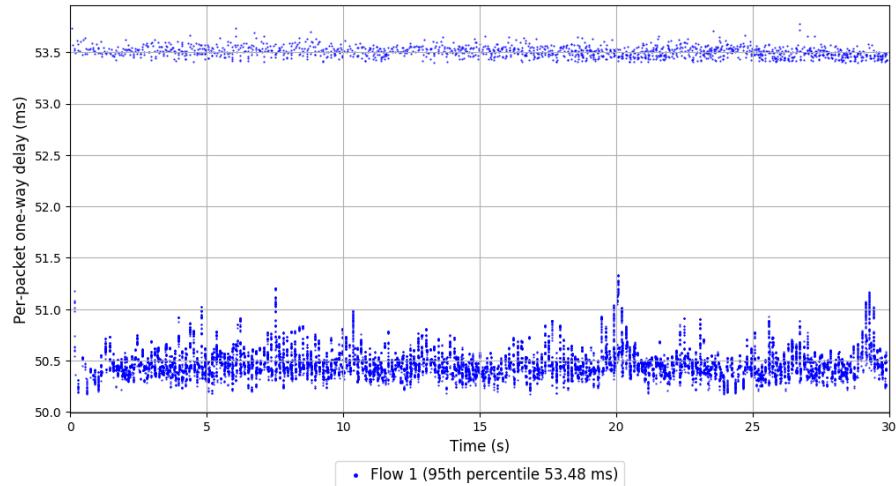
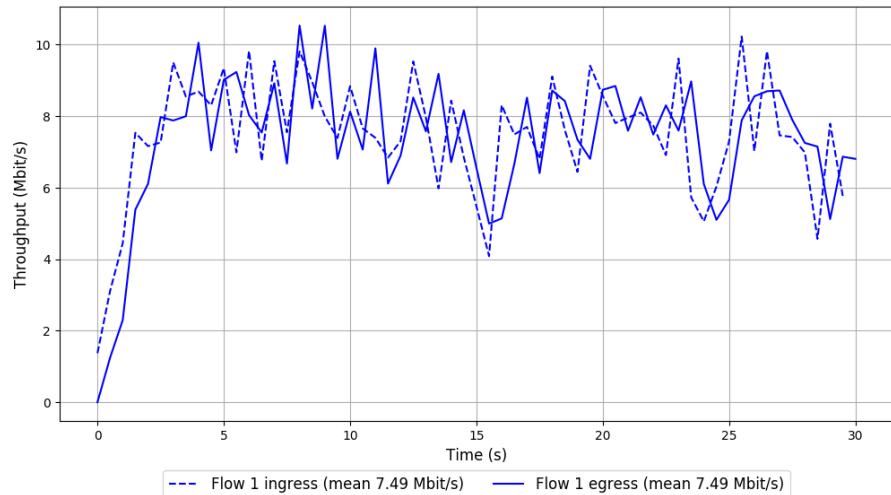


Run 1: Statistics of Sprout

```
Start at: 2018-08-03 05:00:20
End at: 2018-08-03 05:00:50
Local clock offset: 0.025 ms
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 53.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 53.481 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

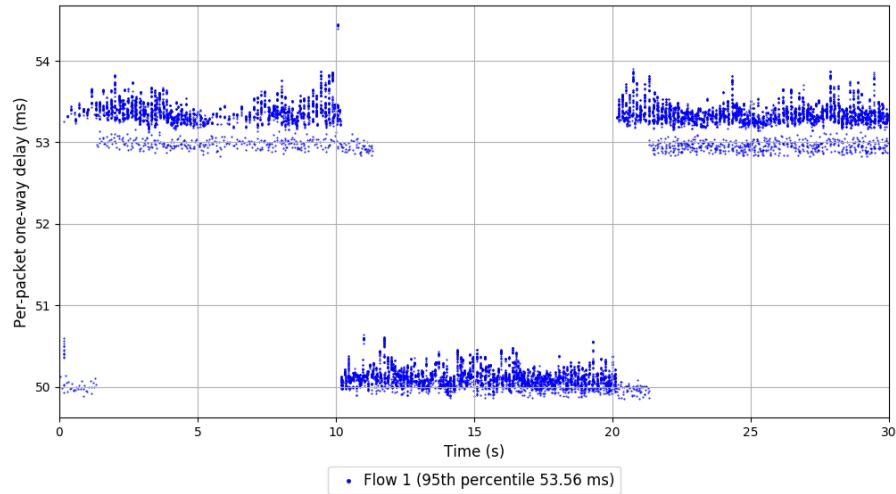
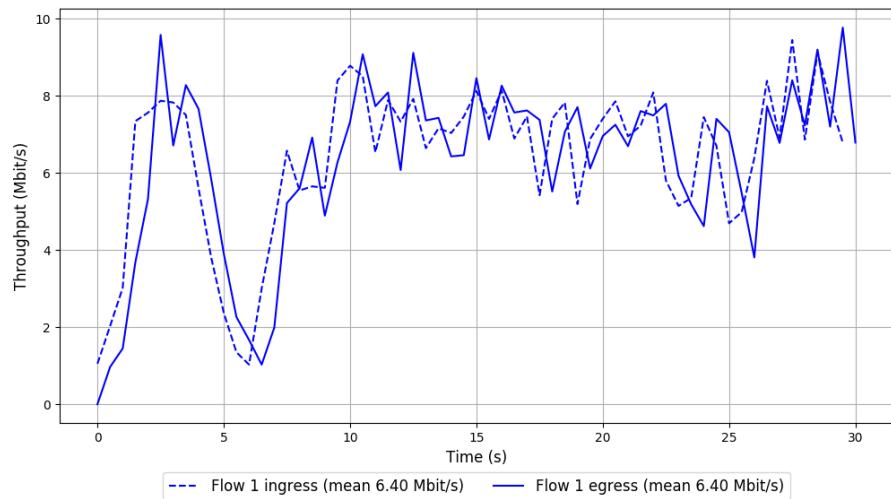


Run 2: Statistics of Sprout

```
Start at: 2018-08-03 05:22:53
End at: 2018-08-03 05:23:23
Local clock offset: 0.096 ms
Remote clock offset: -0.387 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 53.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 53.563 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

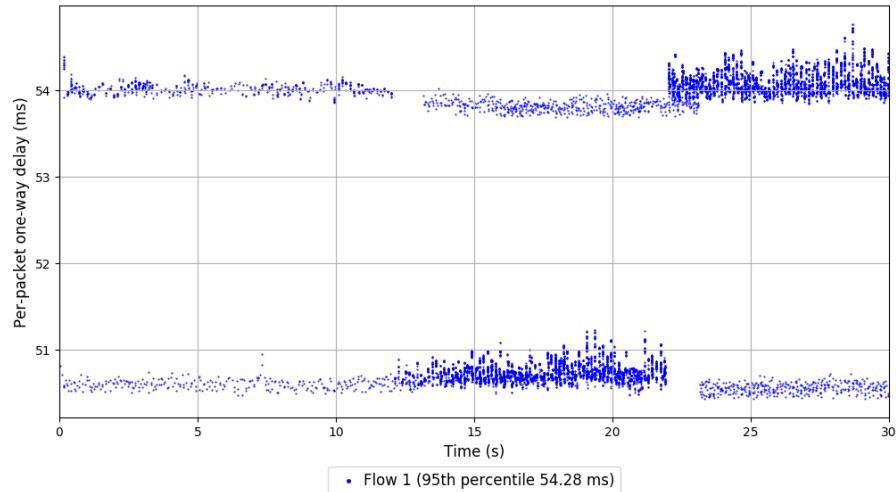
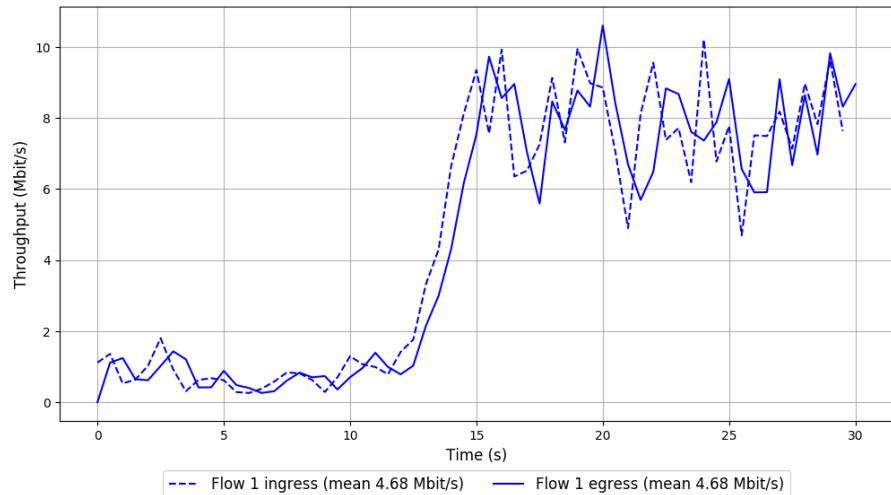


Run 3: Statistics of Sprout

```
Start at: 2018-08-03 05:45:21
End at: 2018-08-03 05:45:51
Local clock offset: 0.012 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 54.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 54.279 ms
Loss rate: 0.00%
```

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

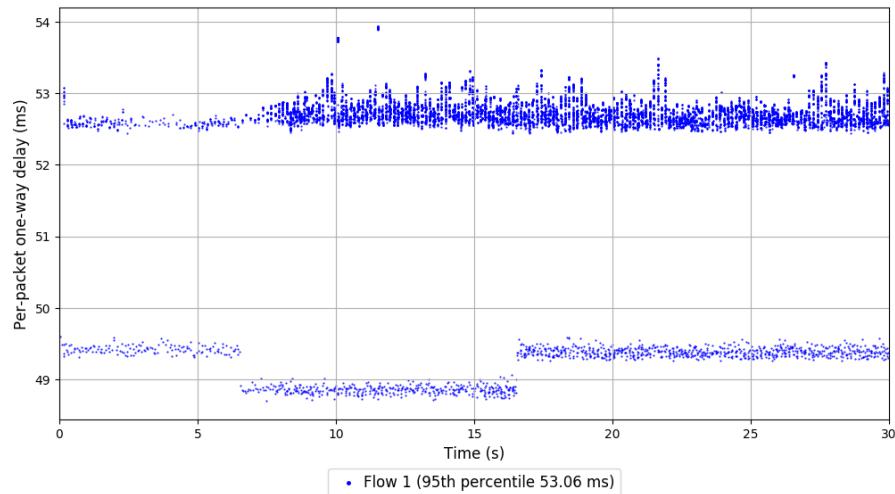
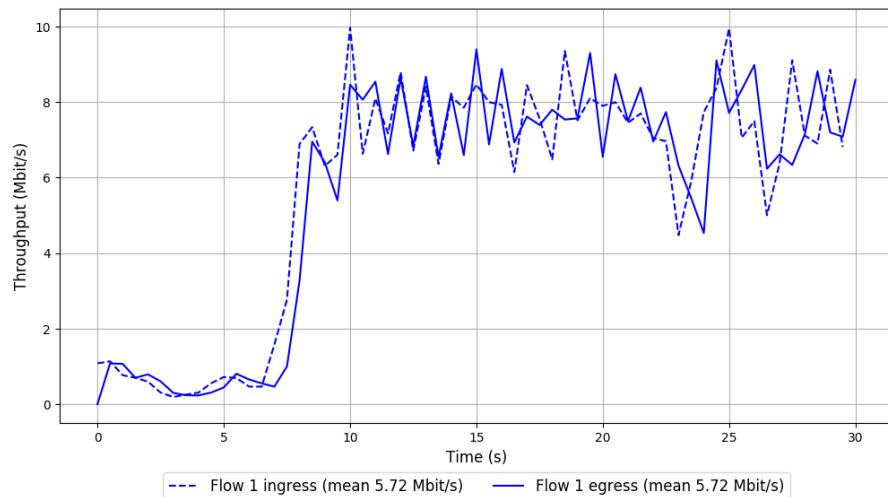


Run 4: Statistics of Sprout

```
Start at: 2018-08-03 06:07:08
End at: 2018-08-03 06:07:38
Local clock offset: -0.1 ms
Remote clock offset: -1.372 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 53.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 53.061 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

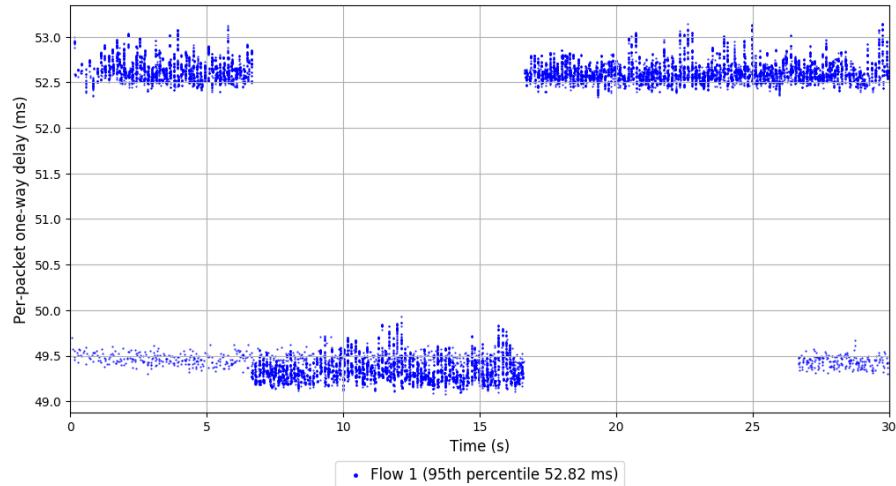
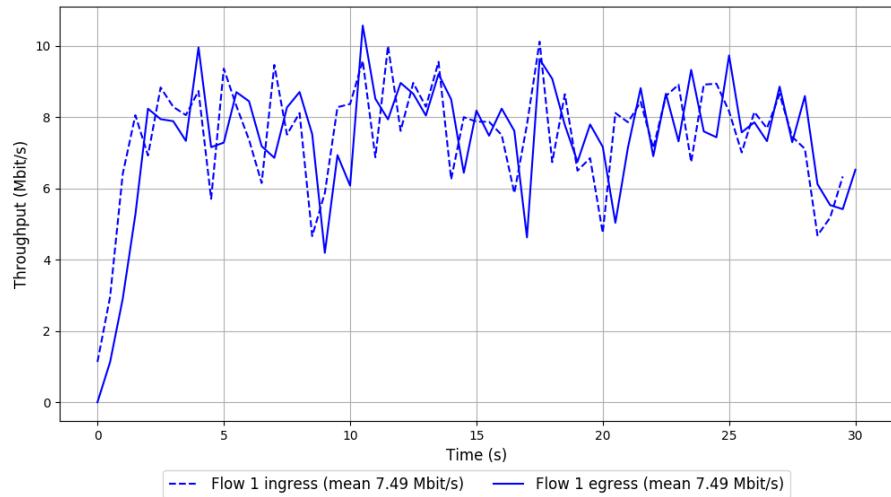


Run 5: Statistics of Sprout

```
Start at: 2018-08-03 06:29:36
End at: 2018-08-03 06:30:06
Local clock offset: 0.004 ms
Remote clock offset: -1.355 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 52.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 52.817 ms
Loss rate: 0.00%
```

## Run 5: Report of Sprout — Data Link

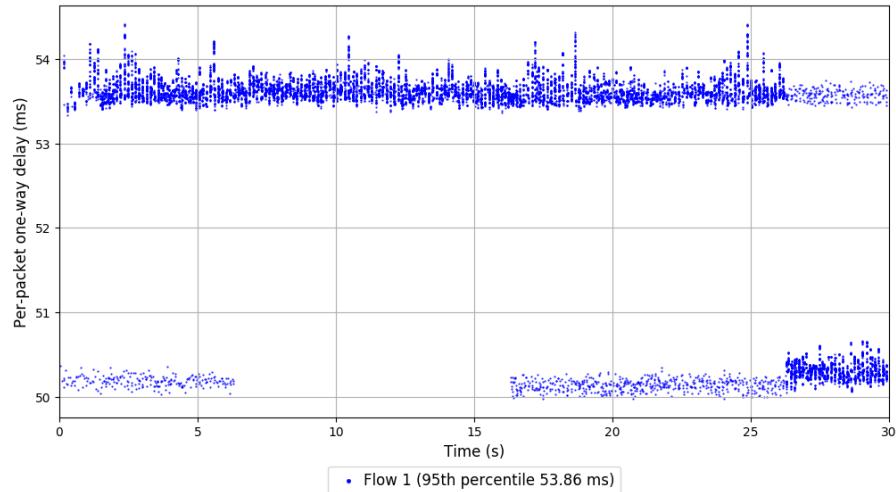
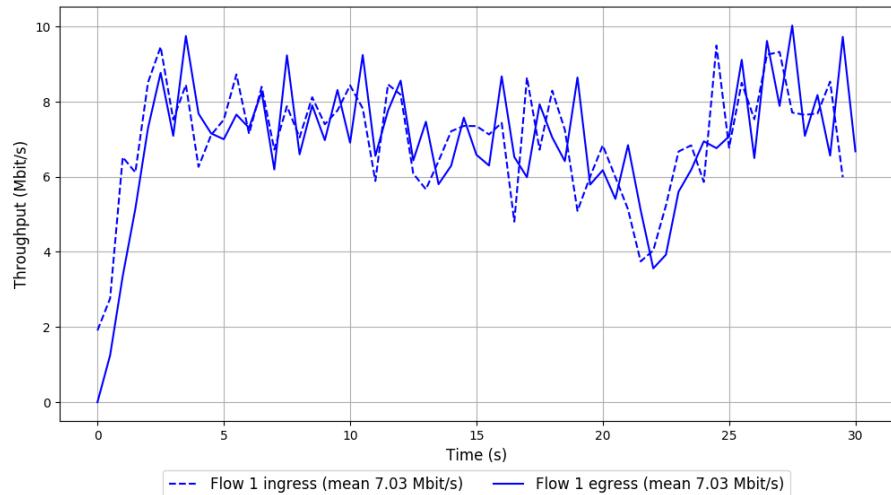


Run 6: Statistics of Sprout

```
Start at: 2018-08-03 06:51:37
End at: 2018-08-03 06:52:07
Local clock offset: 0.118 ms
Remote clock offset: -0.243 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 53.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 53.862 ms
Loss rate: 0.00%
```

## Run 6: Report of Sprout — Data Link

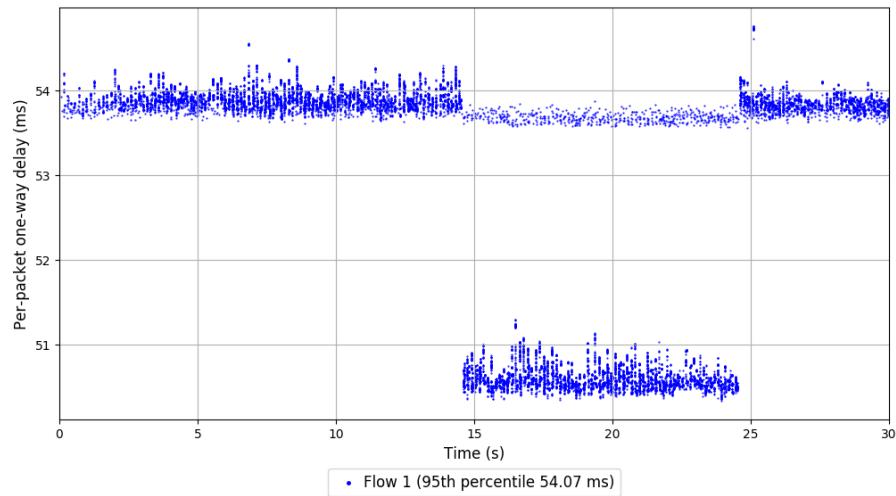
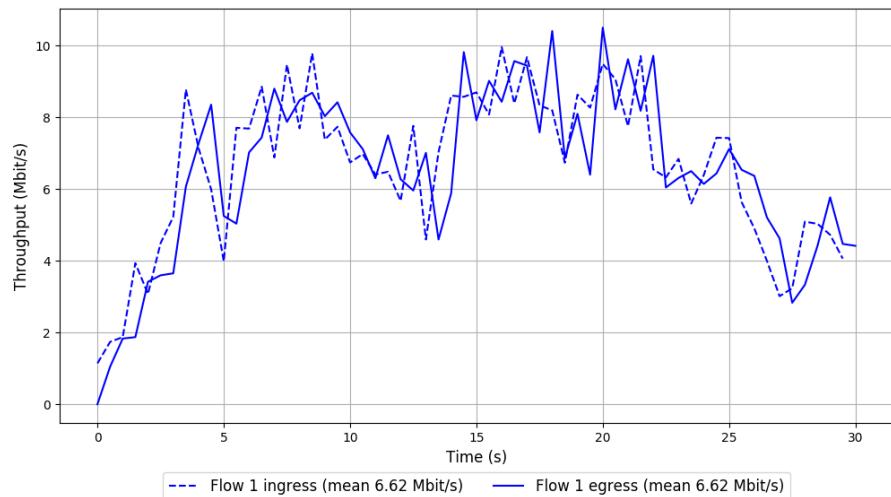


Run 7: Statistics of Sprout

```
Start at: 2018-08-03 07:13:38
End at: 2018-08-03 07:14:08
Local clock offset: -0.147 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 54.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 54.066 ms
Loss rate: 0.00%
```

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

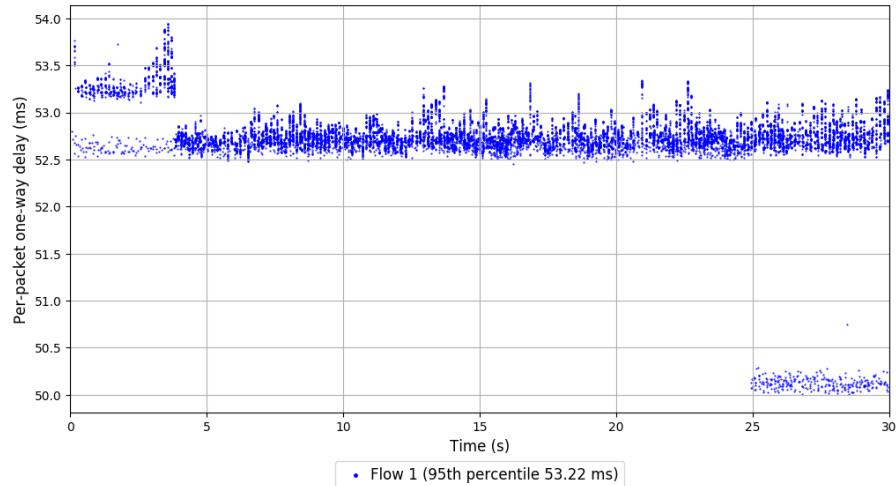
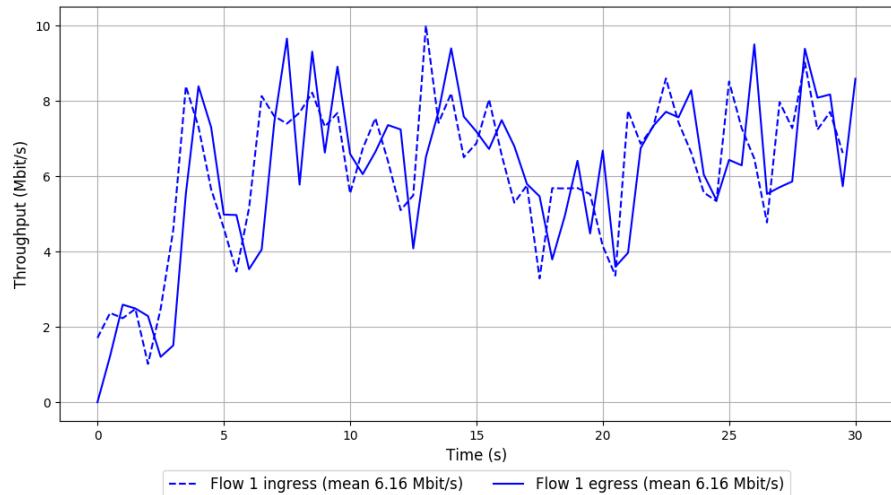


Run 8: Statistics of Sprout

```
Start at: 2018-08-03 07:36:09
End at: 2018-08-03 07:36:39
Local clock offset: -0.087 ms
Remote clock offset: -0.54 ms

# Below is generated by plot.py at 2018-08-03 10:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 53.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 53.216 ms
Loss rate: 0.00%
```

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

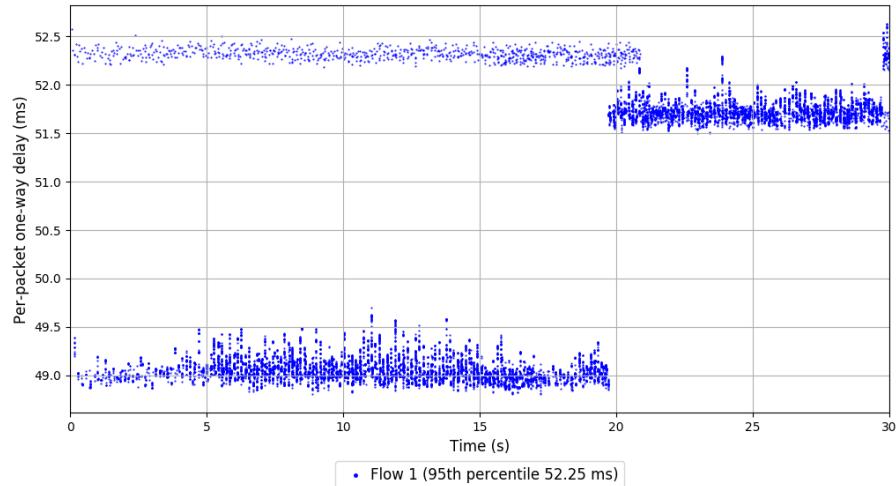
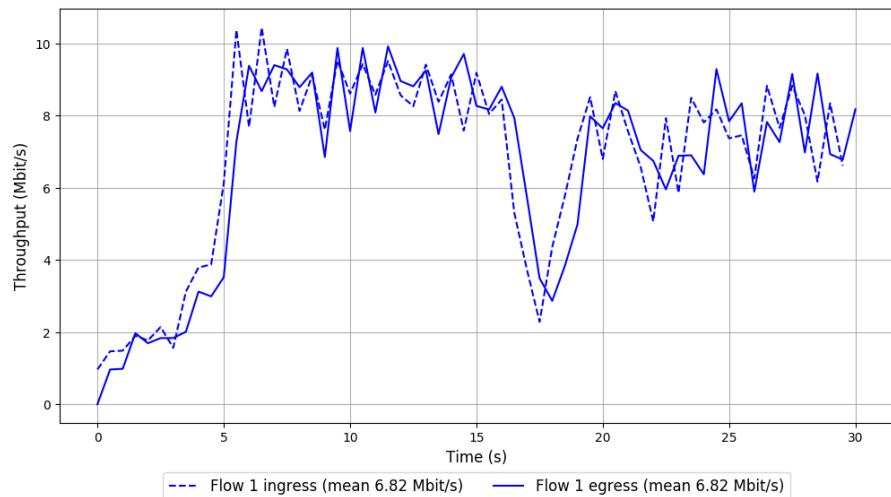


Run 9: Statistics of Sprout

```
Start at: 2018-08-03 07:58:13
End at: 2018-08-03 07:58:43
Local clock offset: 0.031 ms
Remote clock offset: -1.395 ms

# Below is generated by plot.py at 2018-08-03 10:06:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 52.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 52.252 ms
Loss rate: 0.00%
```

## Run 9: Report of Sprout — Data Link

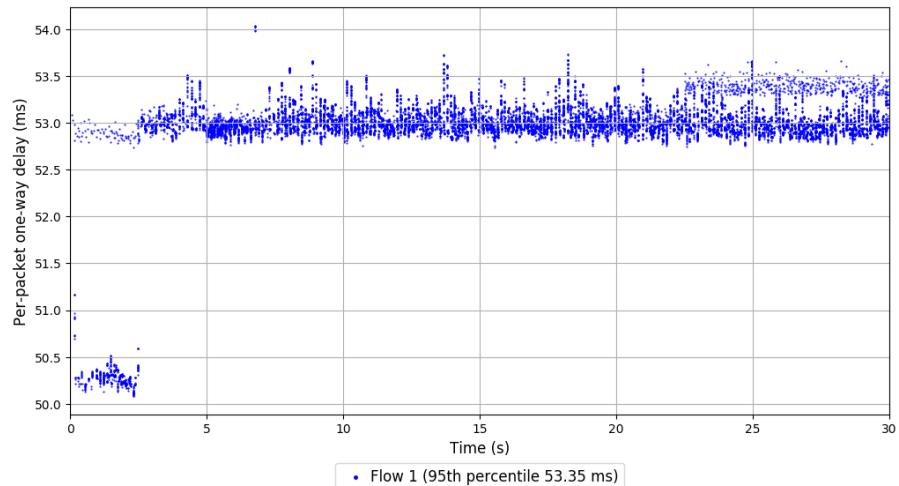
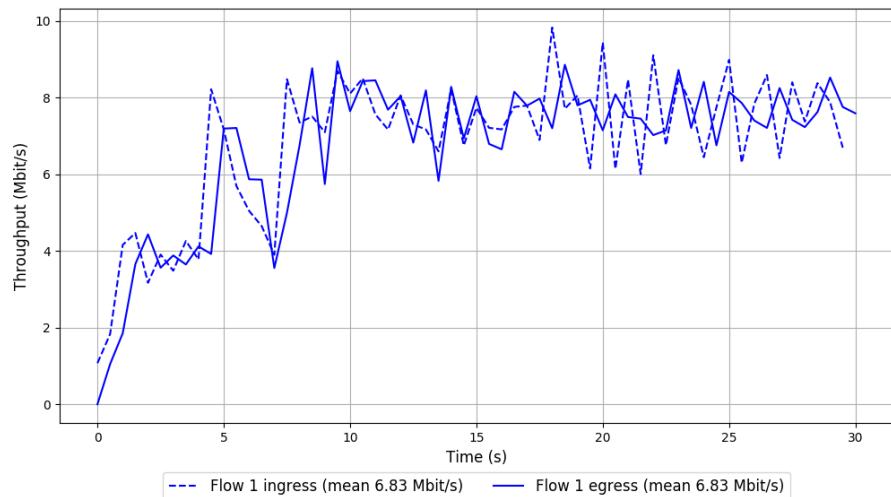


Run 10: Statistics of Sprout

```
Start at: 2018-08-03 08:20:41
End at: 2018-08-03 08:21:11
Local clock offset: 0.067 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2018-08-03 10:06:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 53.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 53.353 ms
Loss rate: 0.00%
```

## Run 10: Report of Sprout — Data Link

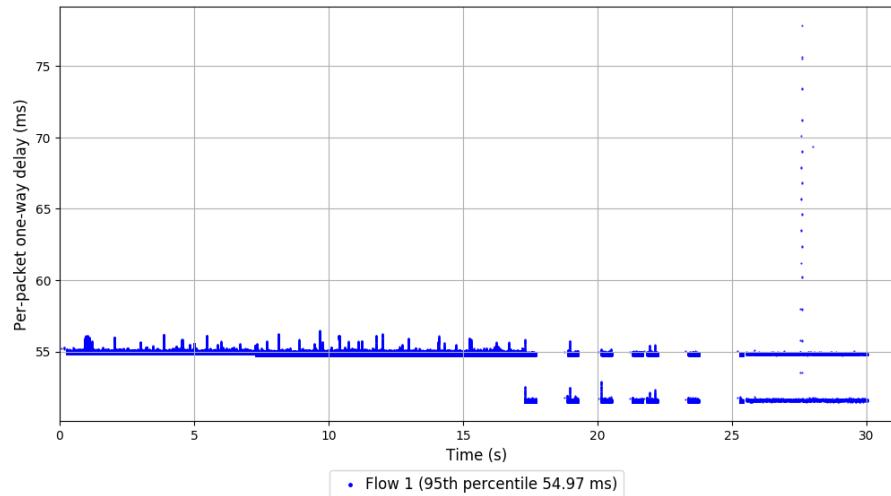
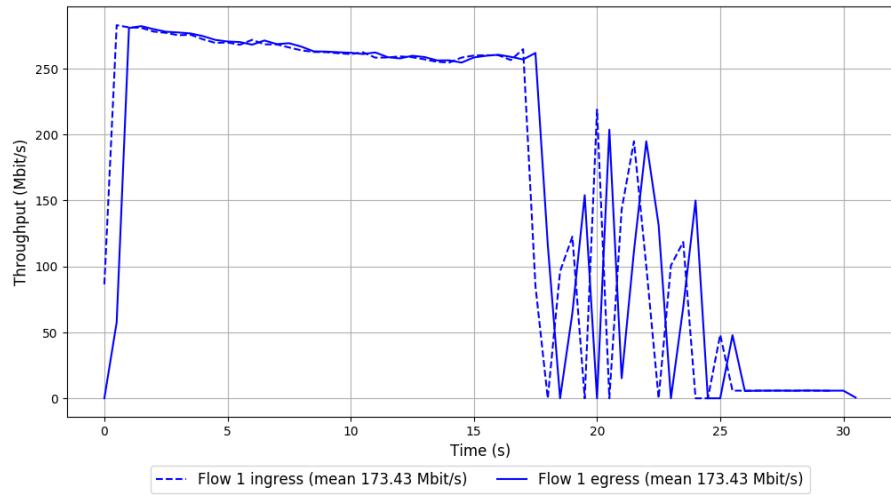


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-08-03 04:54:16
End at: 2018-08-03 04:54:46
Local clock offset: -0.057 ms
Remote clock offset: 1.058 ms

# Below is generated by plot.py at 2018-08-03 10:06:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 173.43 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.43 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 0.00%
```

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

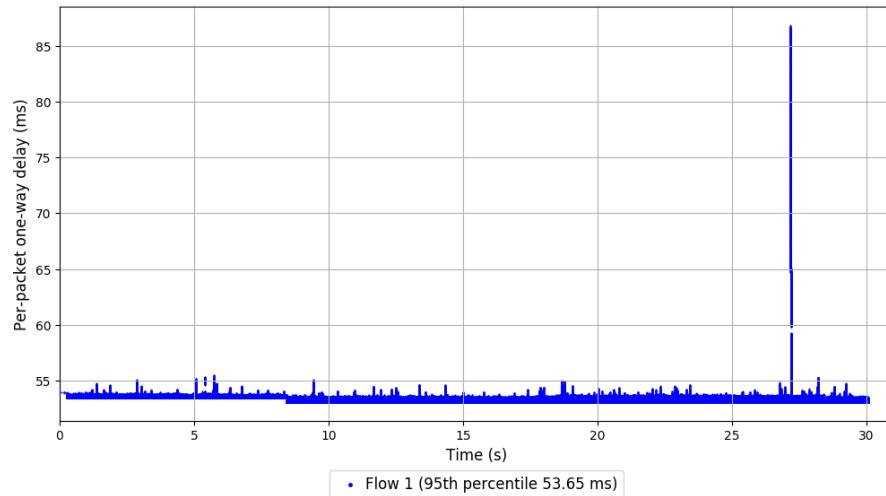
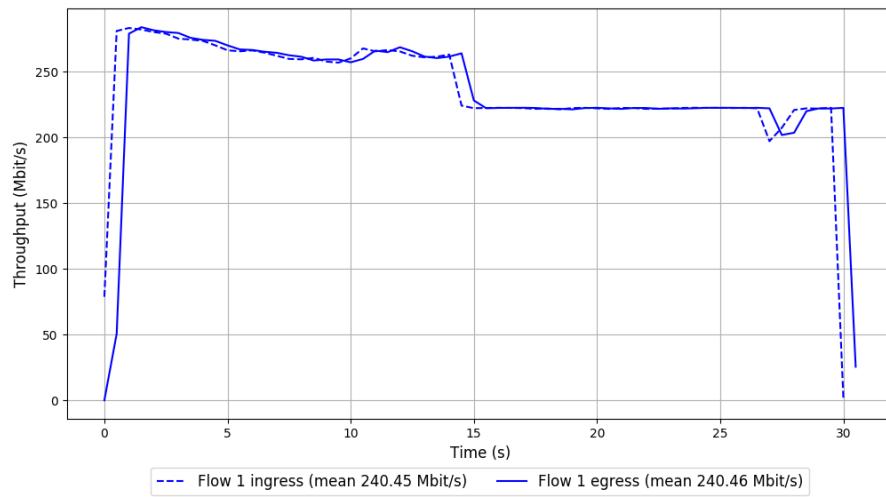


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-08-03 05:16:45
End at: 2018-08-03 05:17:15
Local clock offset: 0.066 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2018-08-03 10:06:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.46 Mbit/s
95th percentile per-packet one-way delay: 53.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.46 Mbit/s
95th percentile per-packet one-way delay: 53.649 ms
Loss rate: 0.00%
```

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

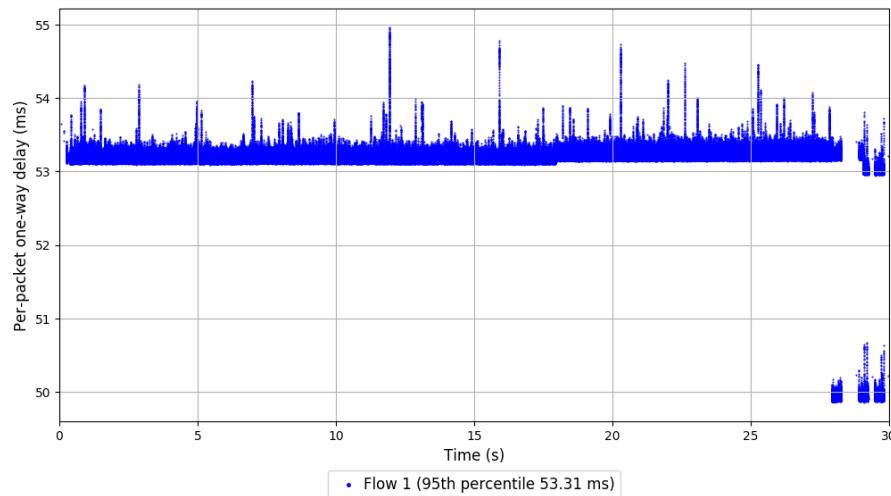
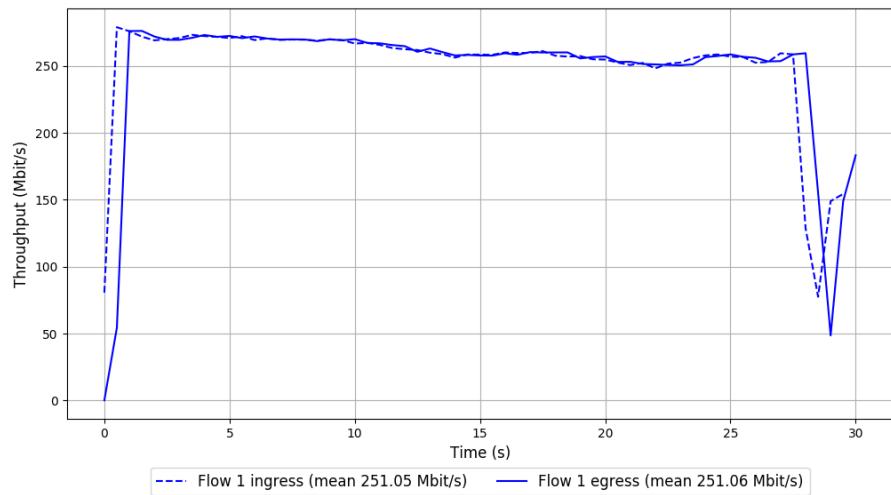


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-08-03 05:39:15
End at: 2018-08-03 05:39:45
Local clock offset: 0.036 ms
Remote clock offset: -0.411 ms

# Below is generated by plot.py at 2018-08-03 10:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.06 Mbit/s
95th percentile per-packet one-way delay: 53.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.06 Mbit/s
95th percentile per-packet one-way delay: 53.308 ms
Loss rate: 0.00%
```

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

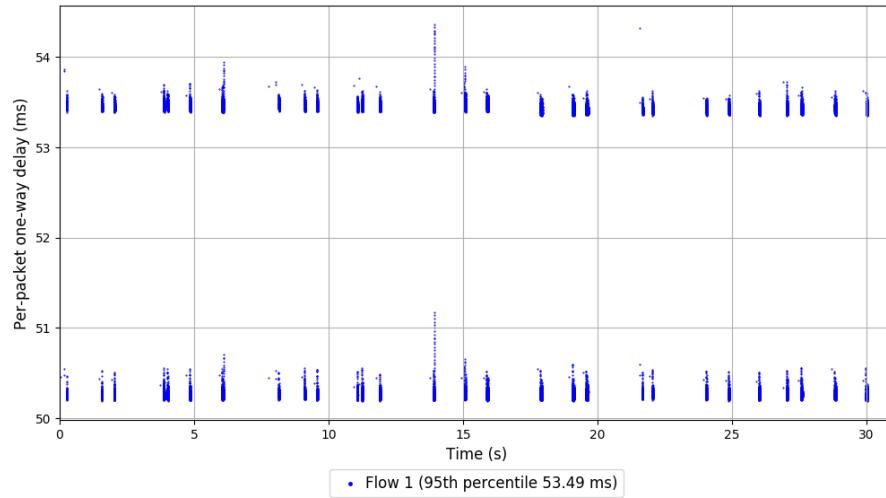
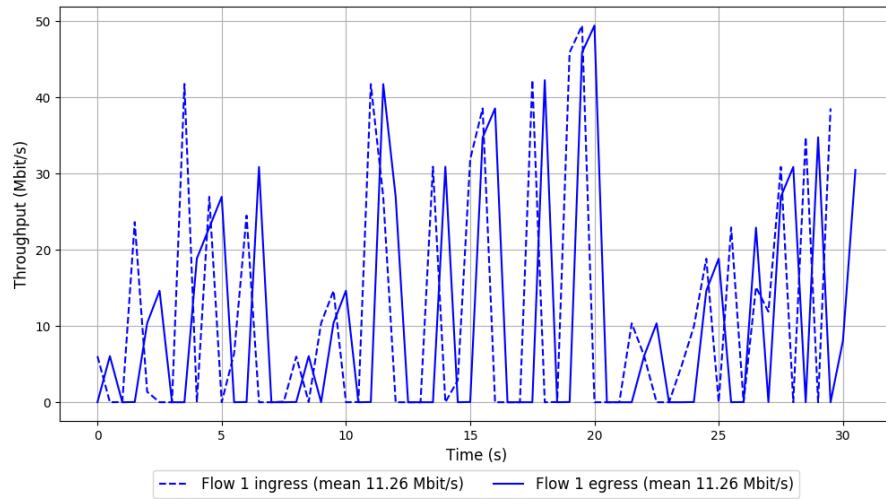


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-08-03 06:01:17
End at: 2018-08-03 06:01:47
Local clock offset: 0.094 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2018-08-03 10:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 53.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 53.488 ms
Loss rate: 0.00%
```

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

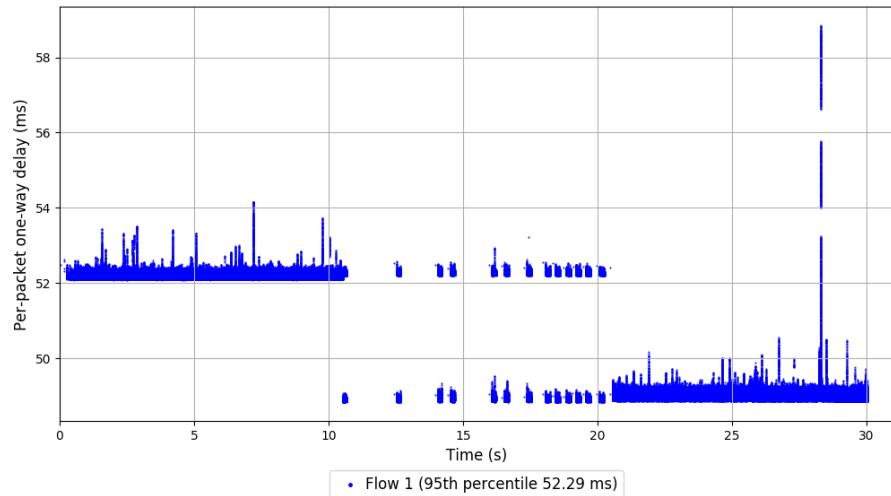
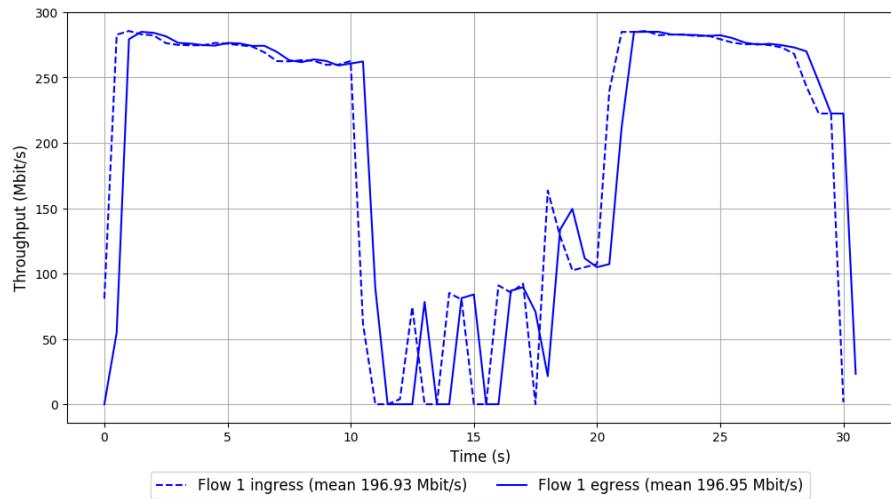


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-08-03 06:23:33
End at: 2018-08-03 06:24:03
Local clock offset: -0.003 ms
Remote clock offset: -1.5 ms

# Below is generated by plot.py at 2018-08-03 10:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.95 Mbit/s
95th percentile per-packet one-way delay: 52.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.95 Mbit/s
95th percentile per-packet one-way delay: 52.292 ms
Loss rate: 0.00%
```

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

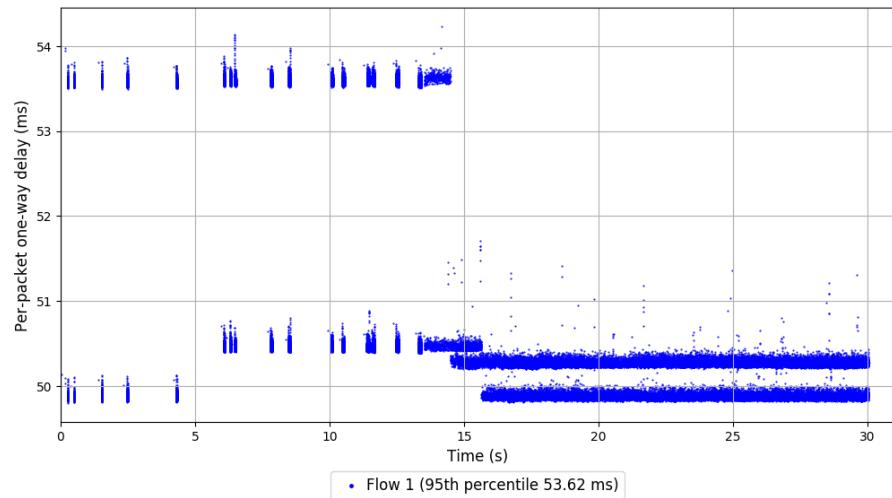
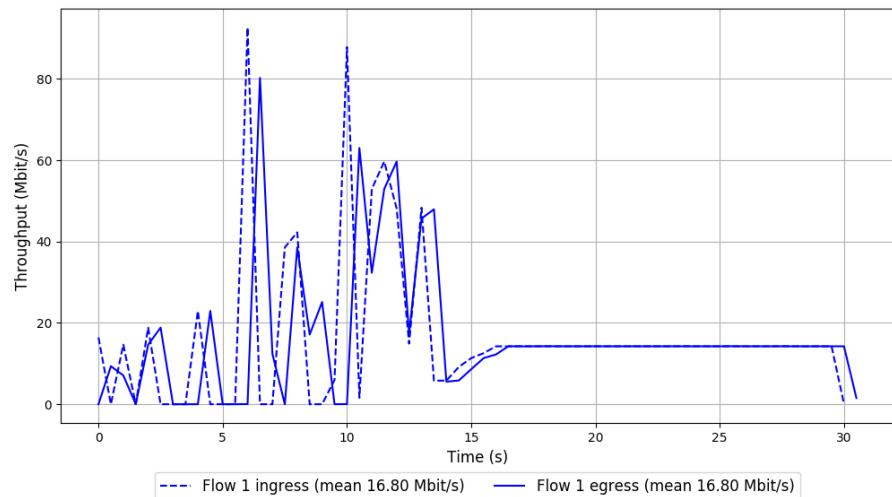


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-08-03 06:45:49
End at: 2018-08-03 06:46:19
Local clock offset: -0.081 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-08-03 10:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 53.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 53.621 ms
Loss rate: 0.00%
```

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

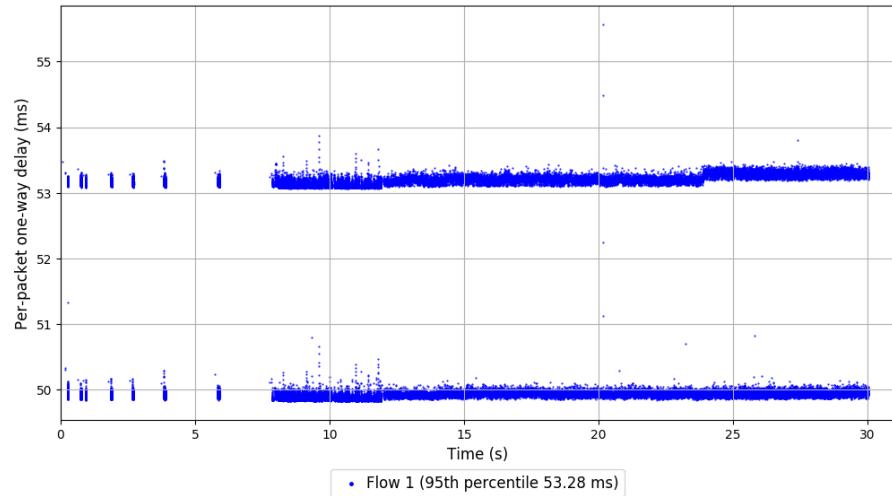
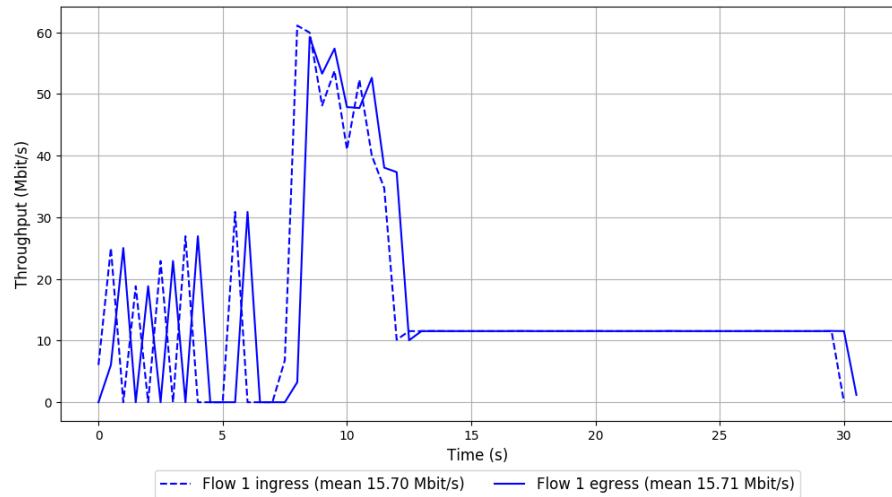


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-08-03 07:07:49
End at: 2018-08-03 07:08:19
Local clock offset: 0.141 ms
Remote clock offset: -0.312 ms

# Below is generated by plot.py at 2018-08-03 10:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.71 Mbit/s
95th percentile per-packet one-way delay: 53.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.71 Mbit/s
95th percentile per-packet one-way delay: 53.284 ms
Loss rate: 0.00%
```

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

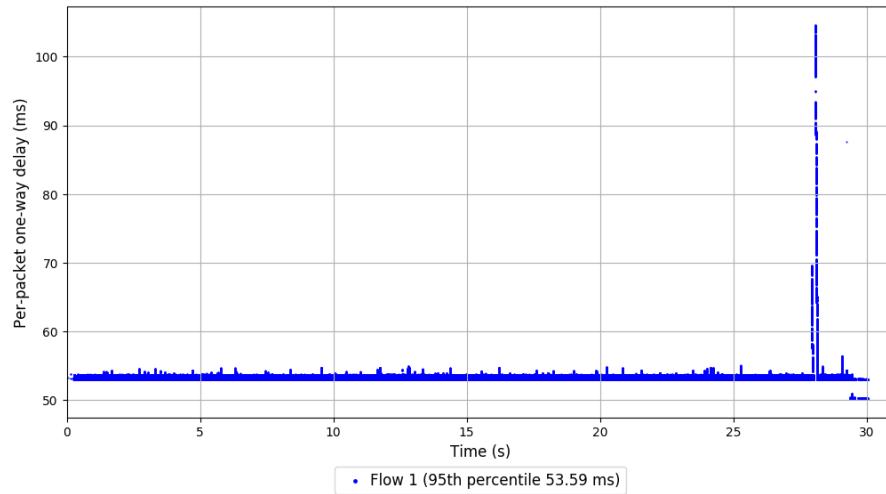
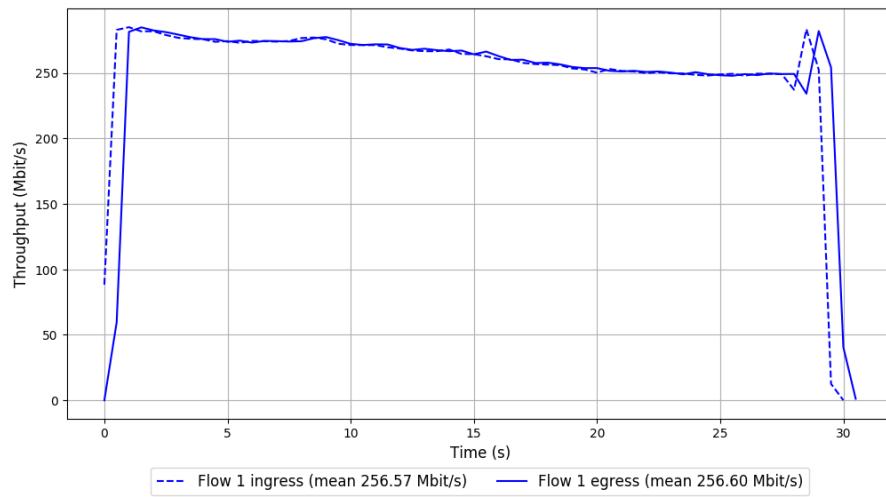


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-08-03 07:30:04
End at: 2018-08-03 07:30:34
Local clock offset: 0.002 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.60 Mbit/s
95th percentile per-packet one-way delay: 53.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.60 Mbit/s
95th percentile per-packet one-way delay: 53.590 ms
Loss rate: 0.00%
```

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

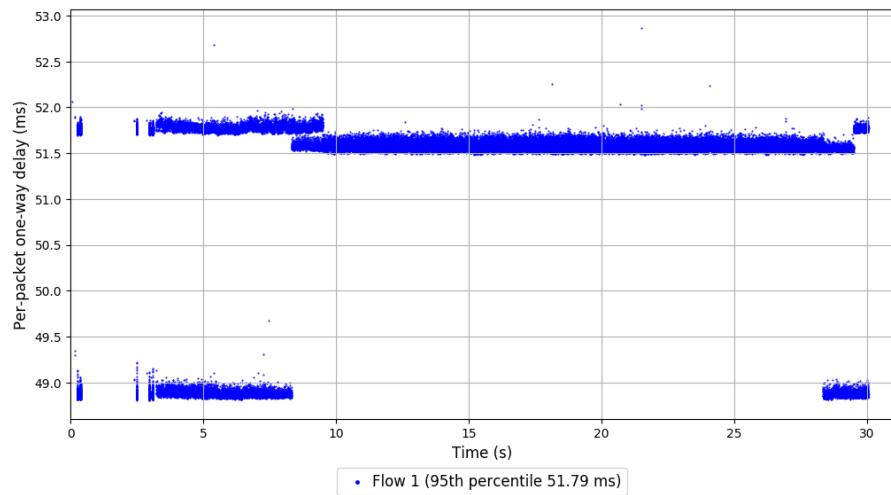
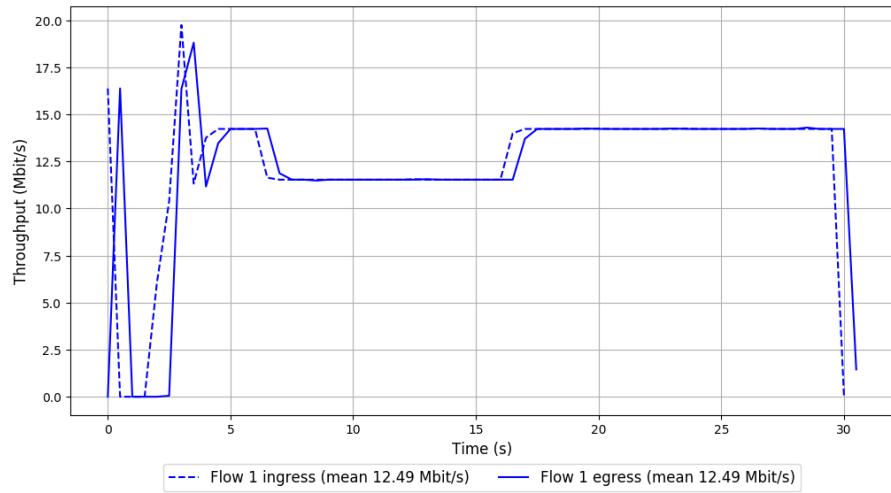


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-08-03 07:52:25
End at: 2018-08-03 07:52:55
Local clock offset: -0.119 ms
Remote clock offset: -1.502 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 51.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 51.787 ms
Loss rate: 0.00%
```

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

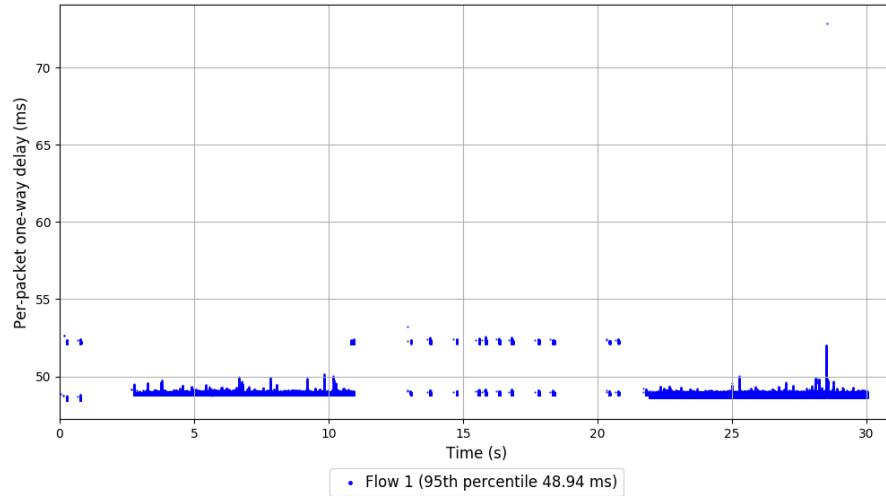
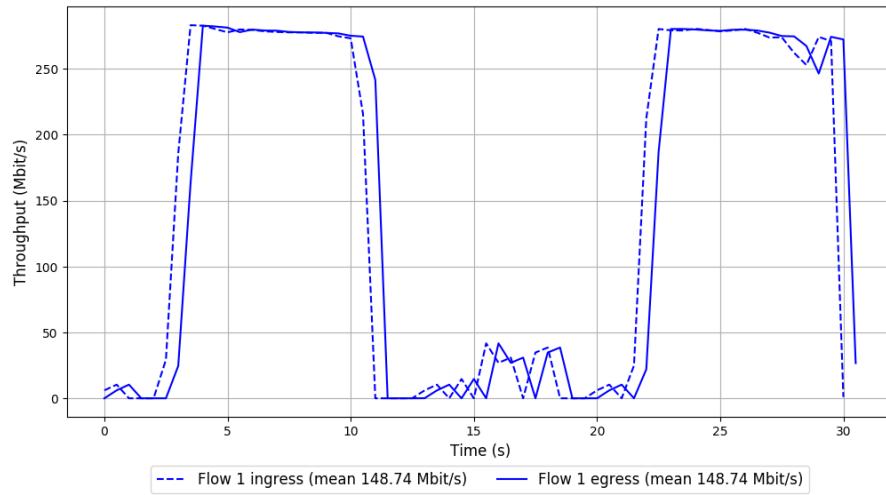


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-08-03 08:14:42
End at: 2018-08-03 08:15:12
Local clock offset: -0.079 ms
Remote clock offset: -1.478 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.74 Mbit/s
95th percentile per-packet one-way delay: 48.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.74 Mbit/s
95th percentile per-packet one-way delay: 48.940 ms
Loss rate: 0.00%
```

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

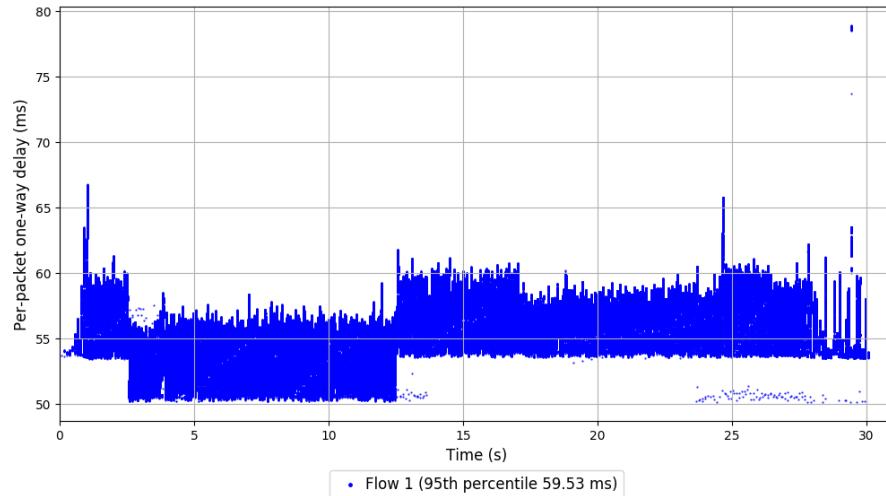
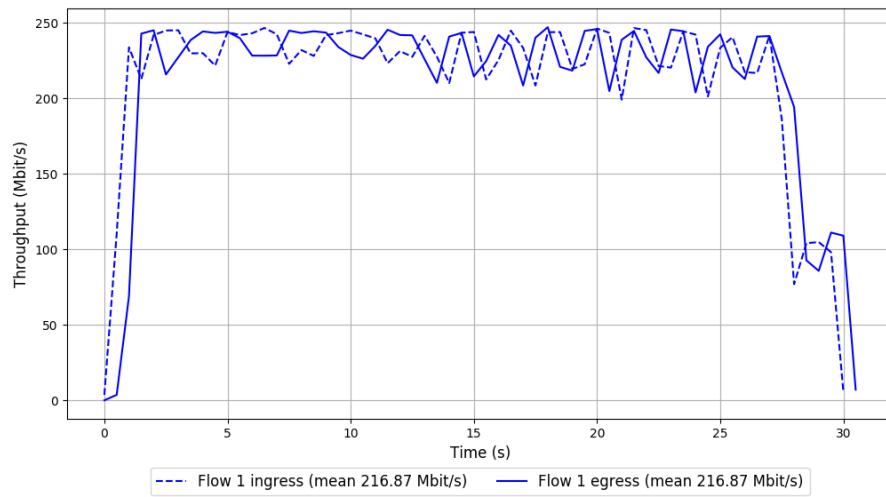


Run 1: Statistics of TCP Vegas

```
Start at: 2018-08-03 04:56:51
End at: 2018-08-03 04:57:21
Local clock offset: 0.052 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.87 Mbit/s
95th percentile per-packet one-way delay: 59.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.87 Mbit/s
95th percentile per-packet one-way delay: 59.530 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

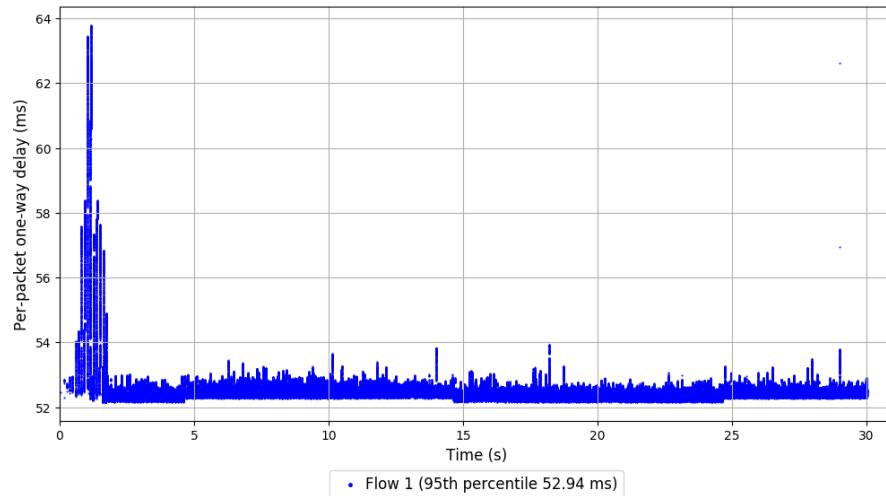
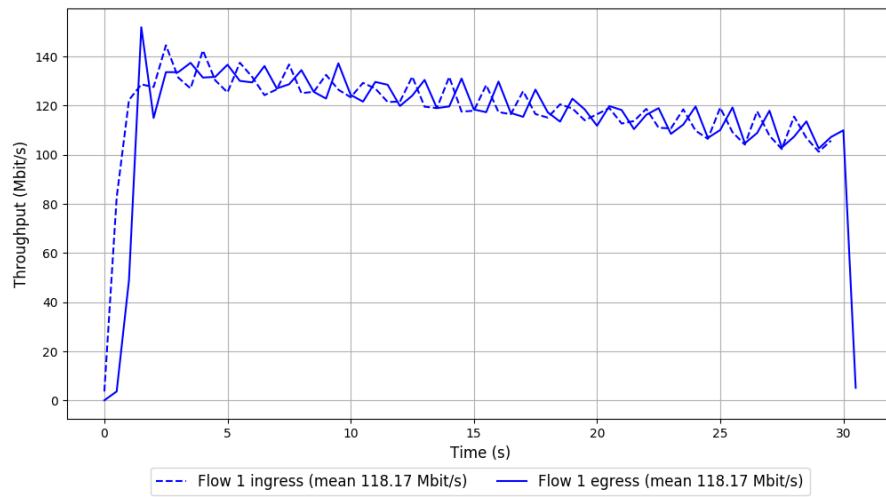


Run 2: Statistics of TCP Vegas

```
Start at: 2018-08-03 05:19:28
End at: 2018-08-03 05:19:58
Local clock offset: -0.019 ms
Remote clock offset: -1.426 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.17 Mbit/s
95th percentile per-packet one-way delay: 52.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.17 Mbit/s
95th percentile per-packet one-way delay: 52.935 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

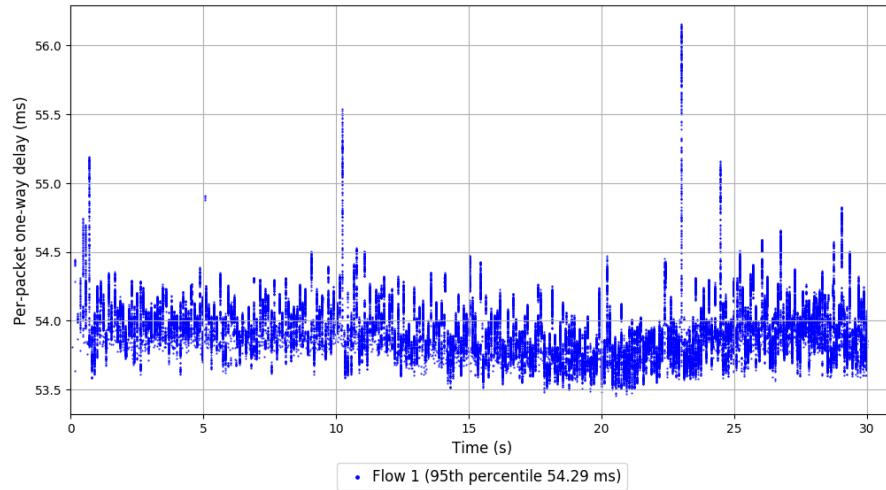
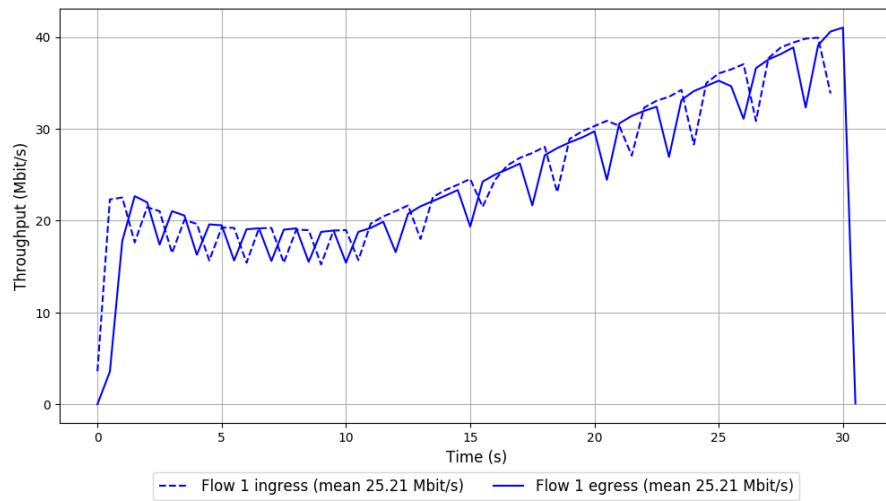


Run 3: Statistics of TCP Vegas

```
Start at: 2018-08-03 05:42:01
End at: 2018-08-03 05:42:31
Local clock offset: -0.055 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.21 Mbit/s
95th percentile per-packet one-way delay: 54.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.21 Mbit/s
95th percentile per-packet one-way delay: 54.293 ms
Loss rate: 0.00%
```

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

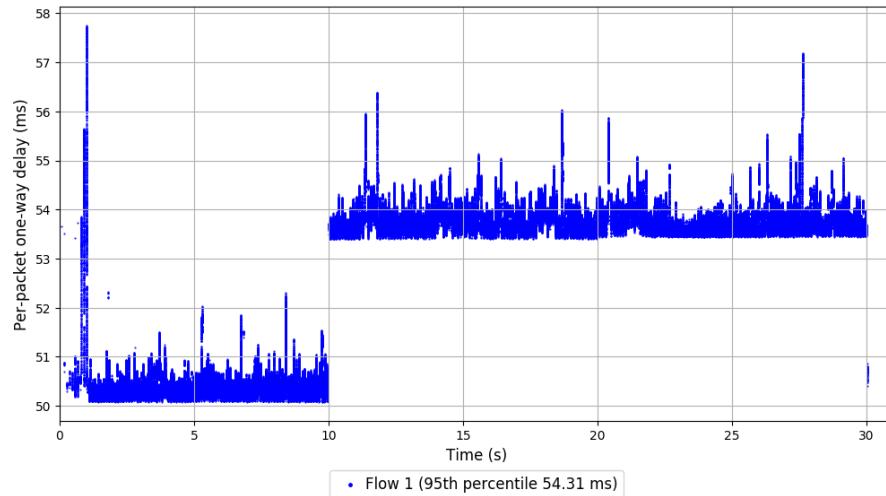
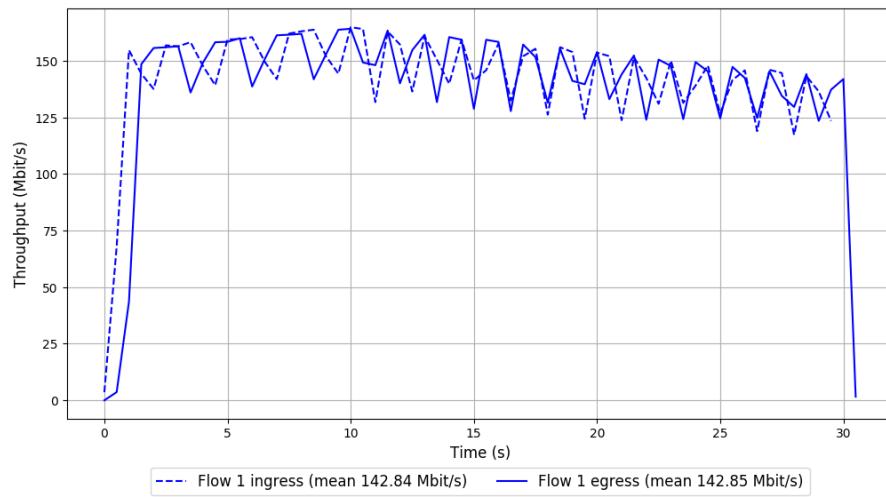


Run 4: Statistics of TCP Vegas

```
Start at: 2018-08-03 06:03:43
End at: 2018-08-03 06:04:13
Local clock offset: 0.067 ms
Remote clock offset: -0.185 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 142.85 Mbit/s
95th percentile per-packet one-way delay: 54.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.85 Mbit/s
95th percentile per-packet one-way delay: 54.310 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

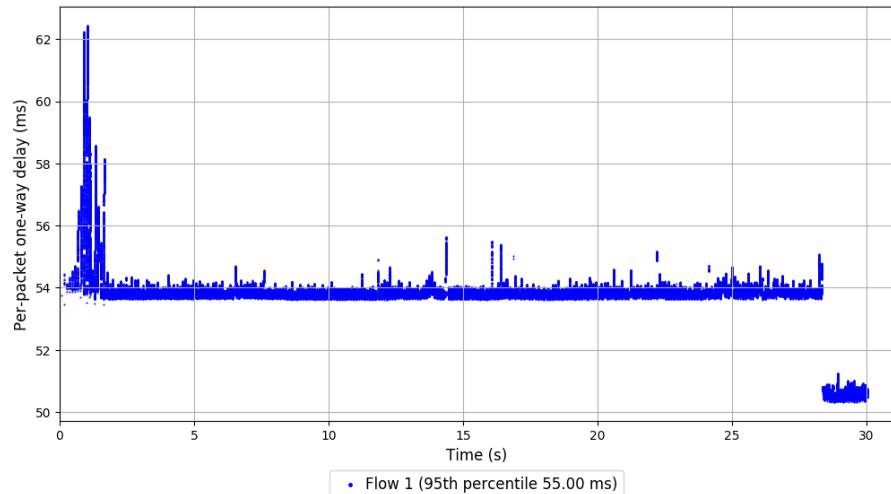
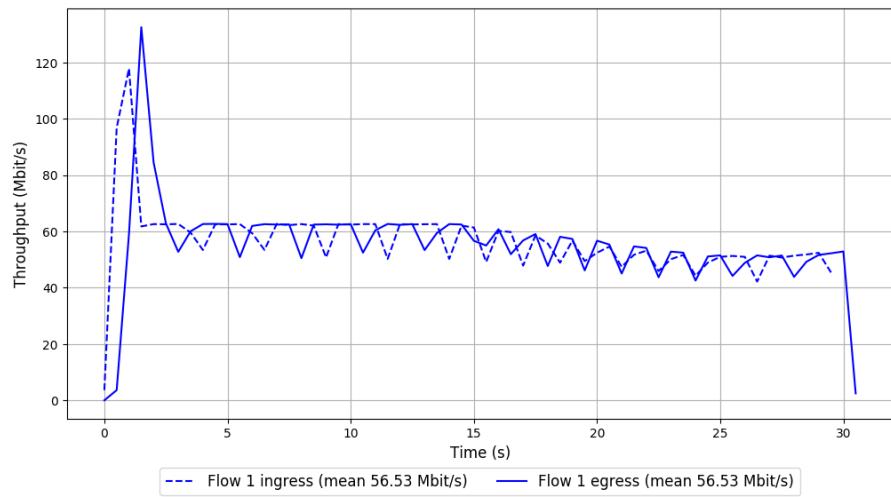


Run 5: Statistics of TCP Vegas

```
Start at: 2018-08-03 06:26:15
End at: 2018-08-03 06:26:45
Local clock offset: -0.11 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 55.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 55.003 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

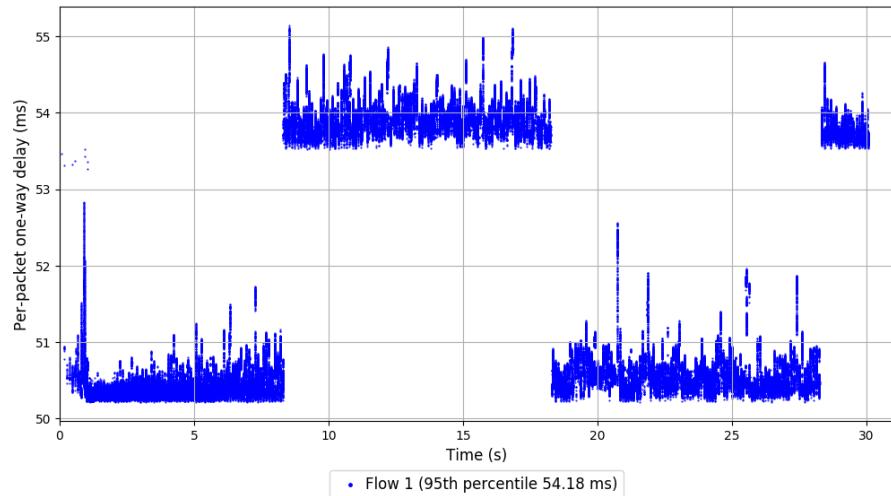
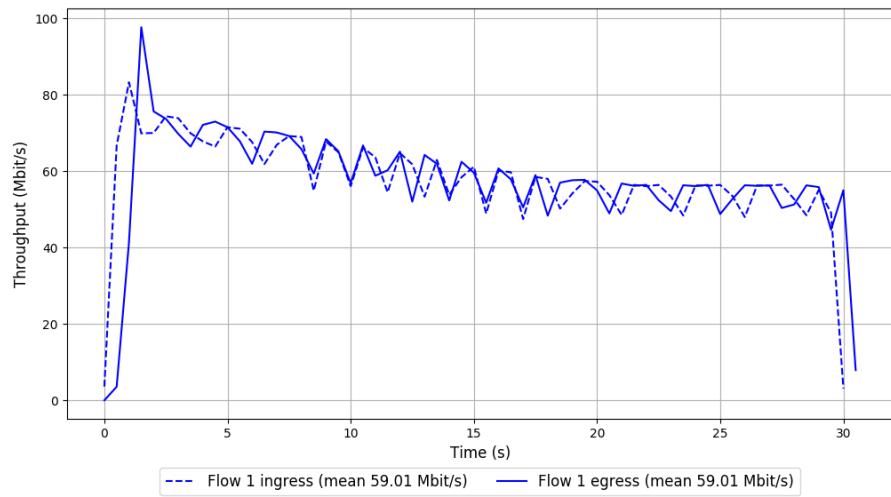


Run 6: Statistics of TCP Vegas

```
Start at: 2018-08-03 06:48:15
End at: 2018-08-03 06:48:45
Local clock offset: 0.06 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 54.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 54.184 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

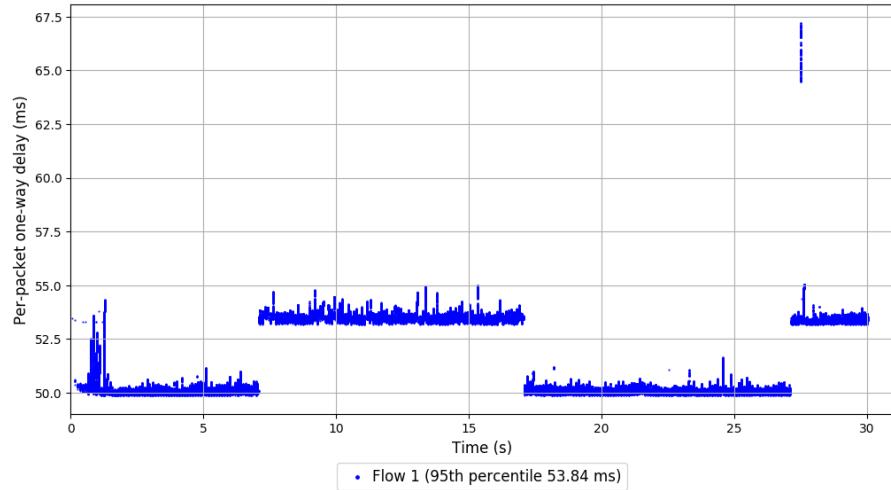
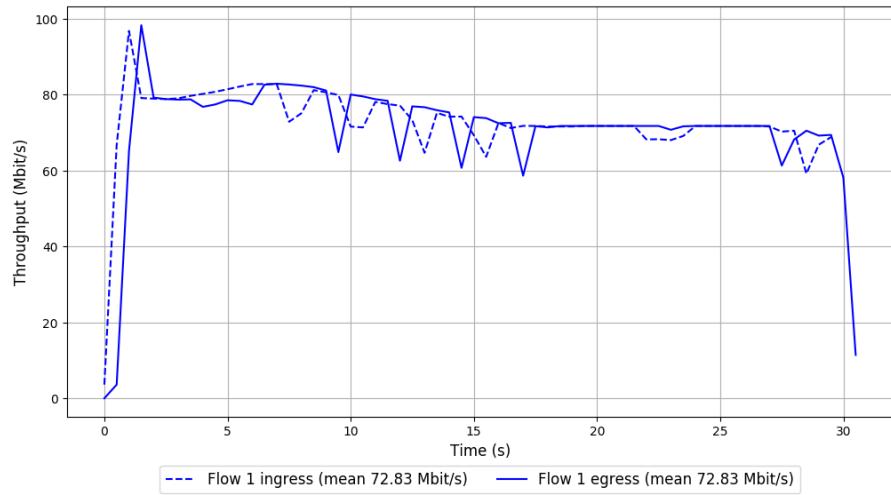


Run 7: Statistics of TCP Vegas

```
Start at: 2018-08-03 07:10:16
End at: 2018-08-03 07:10:46
Local clock offset: 0.228 ms
Remote clock offset: -0.192 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 53.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 53.844 ms
Loss rate: 0.00%
```

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

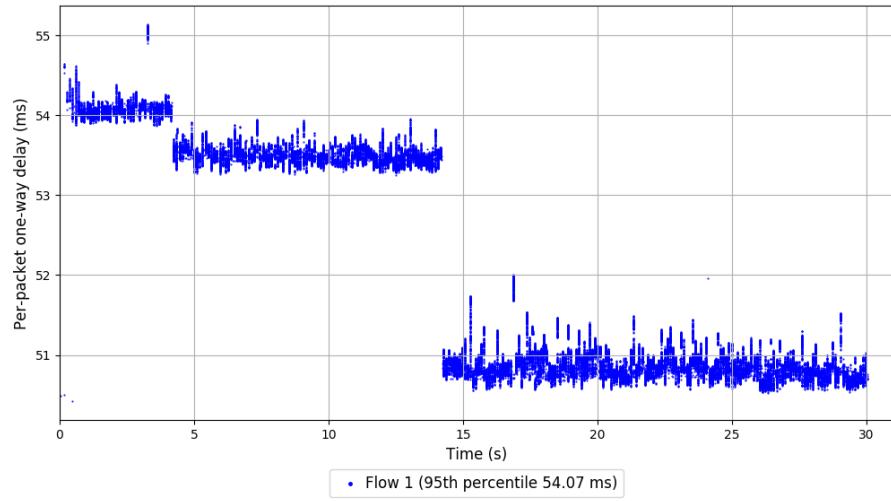
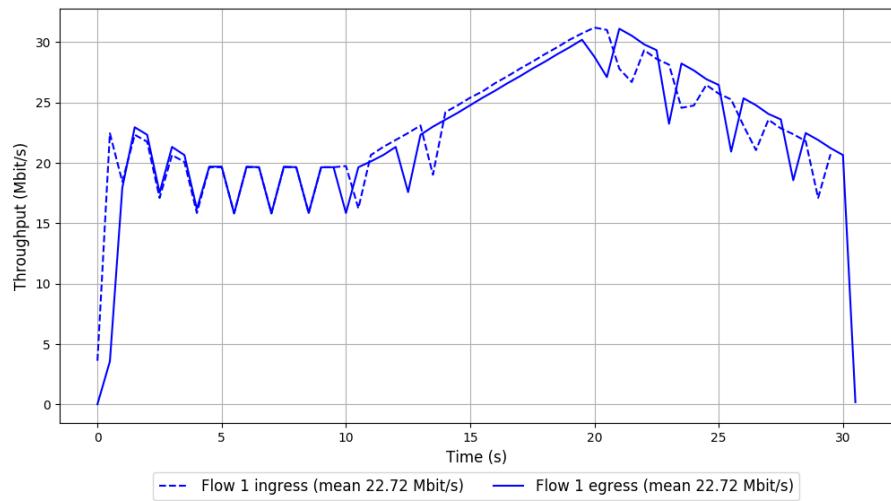


Run 8: Statistics of TCP Vegas

```
Start at: 2018-08-03 07:32:49
End at: 2018-08-03 07:33:19
Local clock offset: -0.132 ms
Remote clock offset: 0.174 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.72 Mbit/s
95th percentile per-packet one-way delay: 54.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.72 Mbit/s
95th percentile per-packet one-way delay: 54.070 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

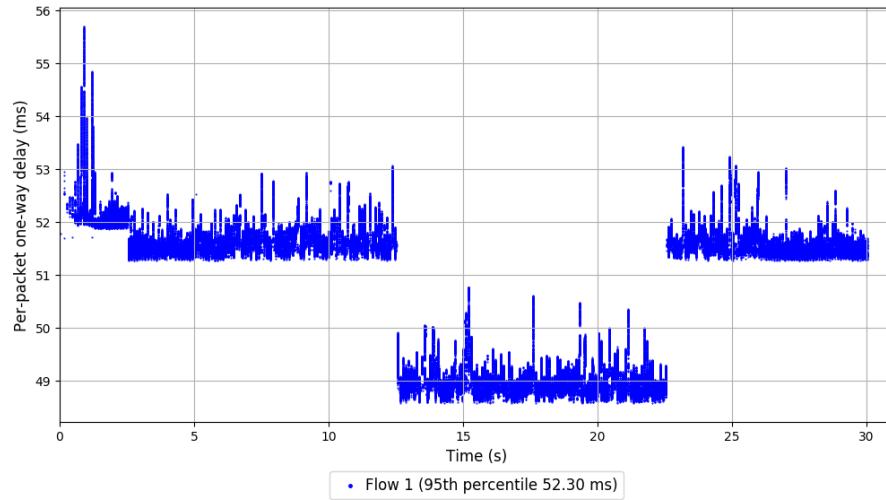
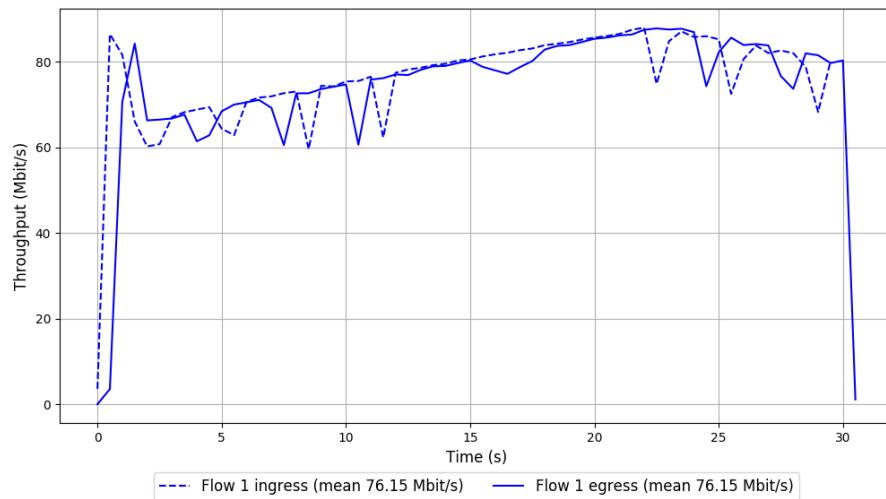


Run 9: Statistics of TCP Vegas

```
Start at: 2018-08-03 07:54:51
End at: 2018-08-03 07:55:21
Local clock offset: 0.024 ms
Remote clock offset: -1.576 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 52.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 52.298 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

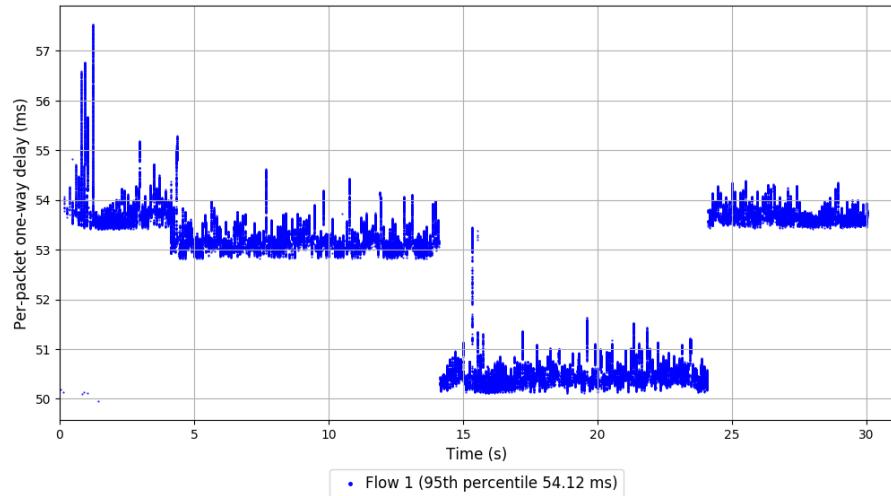
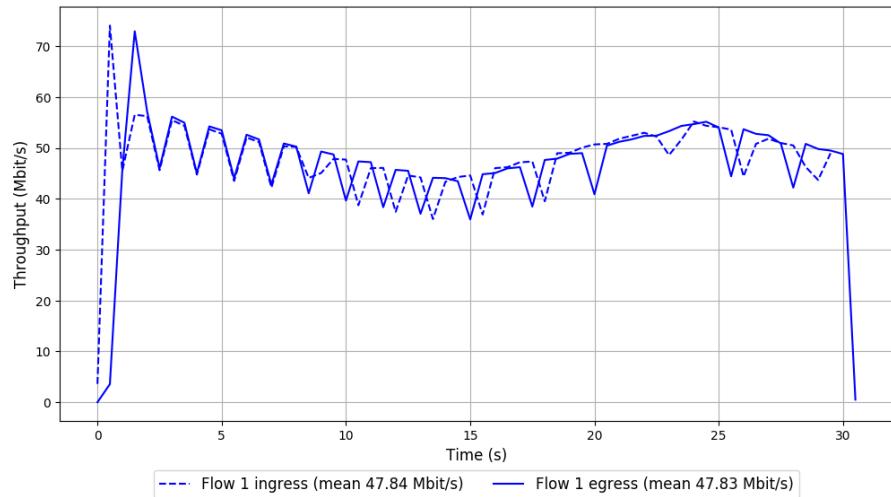


Run 10: Statistics of TCP Vegas

```
Start at: 2018-08-03 08:17:19
End at: 2018-08-03 08:17:49
Local clock offset: -0.17 ms
Remote clock offset: -0.266 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 54.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 54.115 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

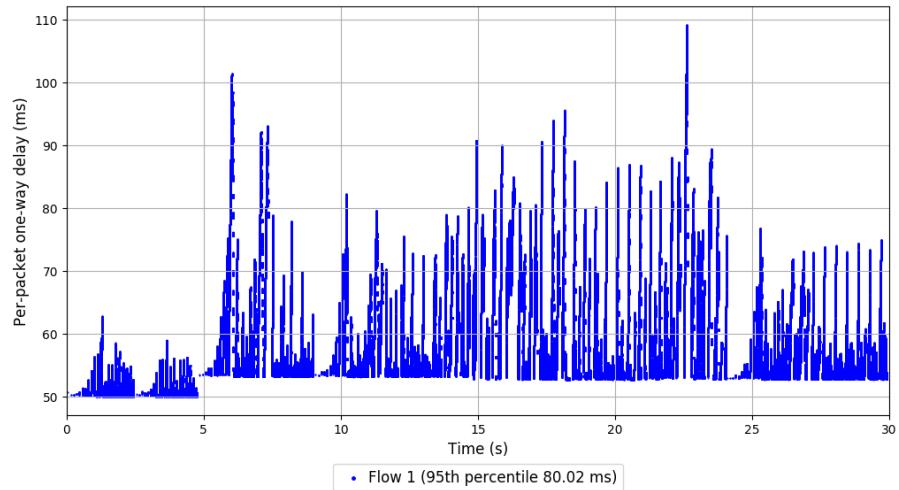
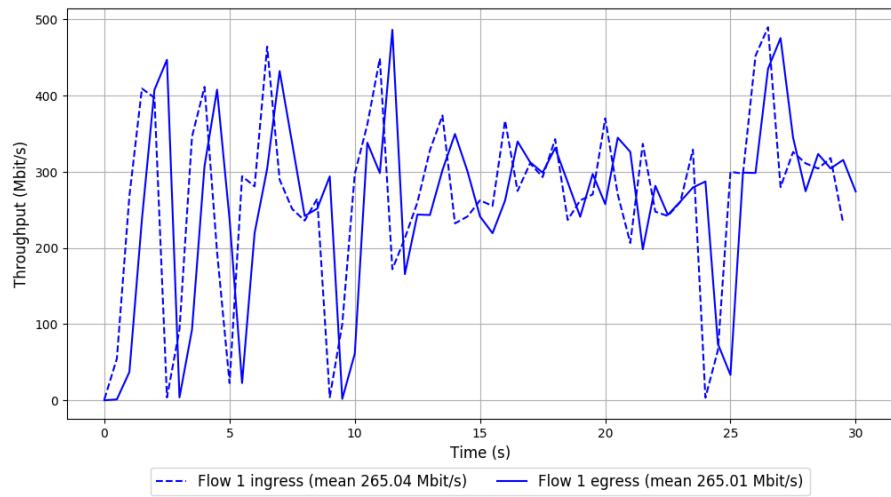


Run 1: Statistics of Verus

```
Start at: 2018-08-03 04:40:08
End at: 2018-08-03 04:40:38
Local clock offset: 0.157 ms
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 265.01 Mbit/s
95th percentile per-packet one-way delay: 80.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.01 Mbit/s
95th percentile per-packet one-way delay: 80.024 ms
Loss rate: 0.00%
```

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

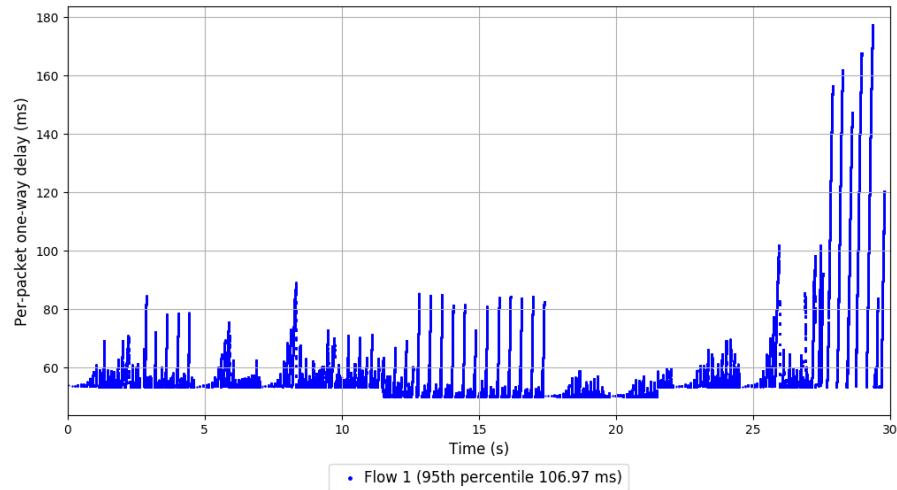
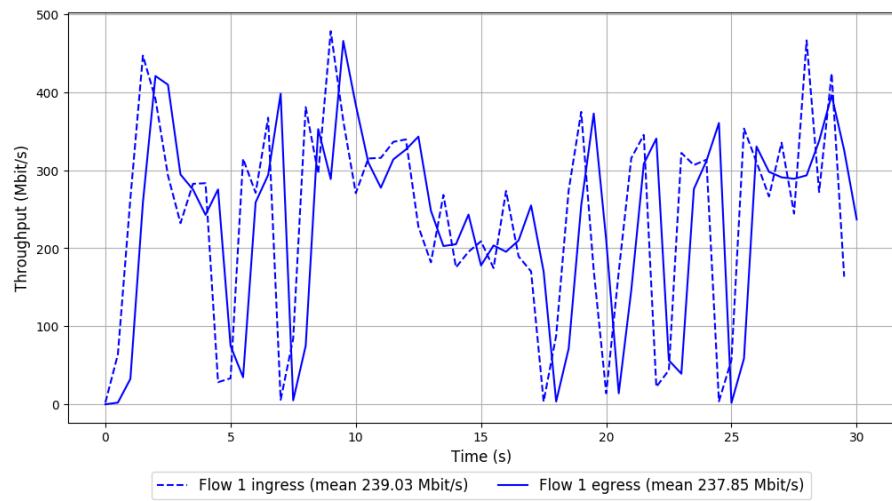


Run 2: Statistics of Verus

```
Start at: 2018-08-03 05:02:31
End at: 2018-08-03 05:03:01
Local clock offset: 0.164 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-08-03 10:12:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.85 Mbit/s
95th percentile per-packet one-way delay: 106.968 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 237.85 Mbit/s
95th percentile per-packet one-way delay: 106.968 ms
Loss rate: 0.27%
```

## Run 2: Report of Verus — Data Link

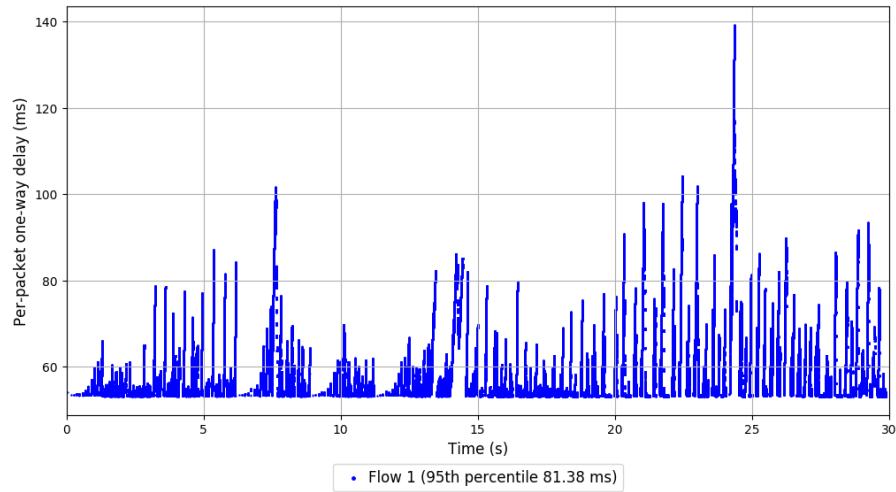
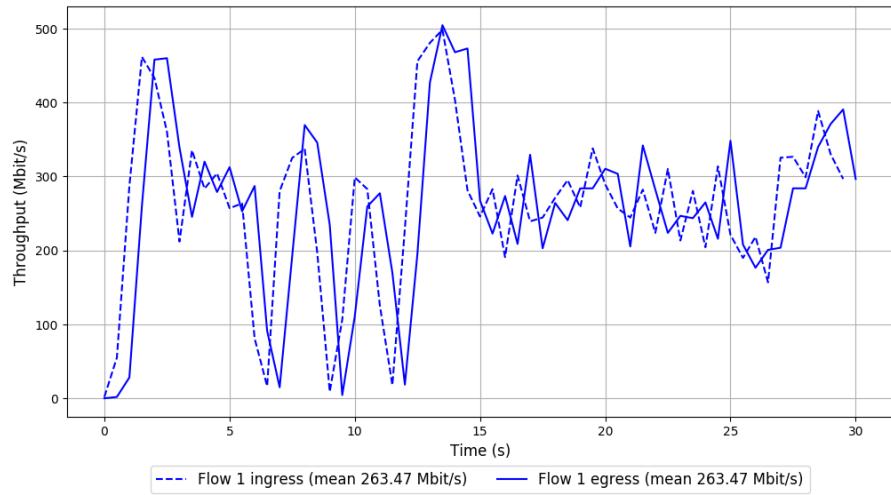


Run 3: Statistics of Verus

```
Start at: 2018-08-03 05:25:04
End at: 2018-08-03 05:25:34
Local clock offset: 0.127 ms
Remote clock offset: -0.429 ms

# Below is generated by plot.py at 2018-08-03 10:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.47 Mbit/s
95th percentile per-packet one-way delay: 81.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 263.47 Mbit/s
95th percentile per-packet one-way delay: 81.382 ms
Loss rate: 0.00%
```

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

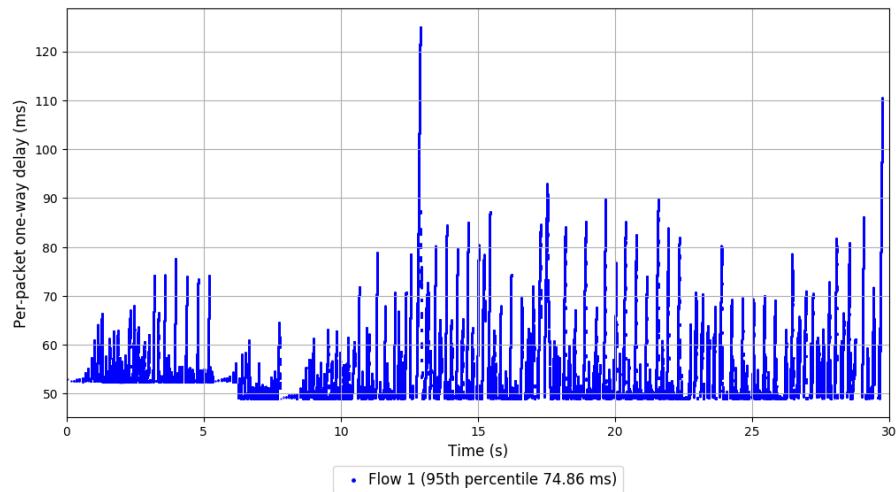
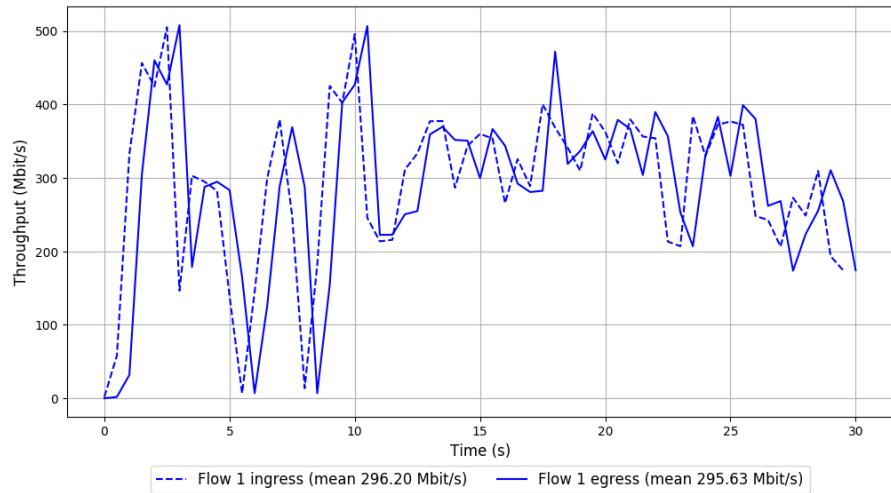


Run 4: Statistics of Verus

```
Start at: 2018-08-03 05:47:37
End at: 2018-08-03 05:48:07
Local clock offset: -0.088 ms
Remote clock offset: -1.429 ms

# Below is generated by plot.py at 2018-08-03 10:13:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 295.63 Mbit/s
95th percentile per-packet one-way delay: 74.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 295.63 Mbit/s
95th percentile per-packet one-way delay: 74.865 ms
Loss rate: 0.00%
```

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

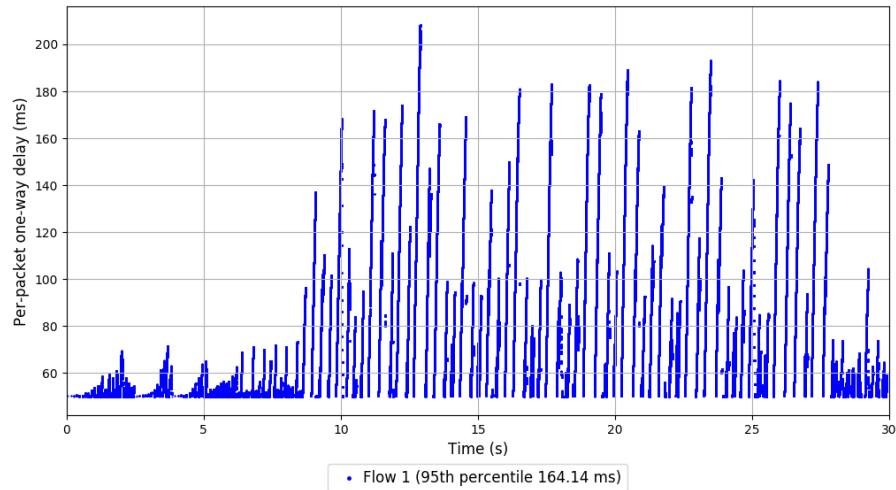
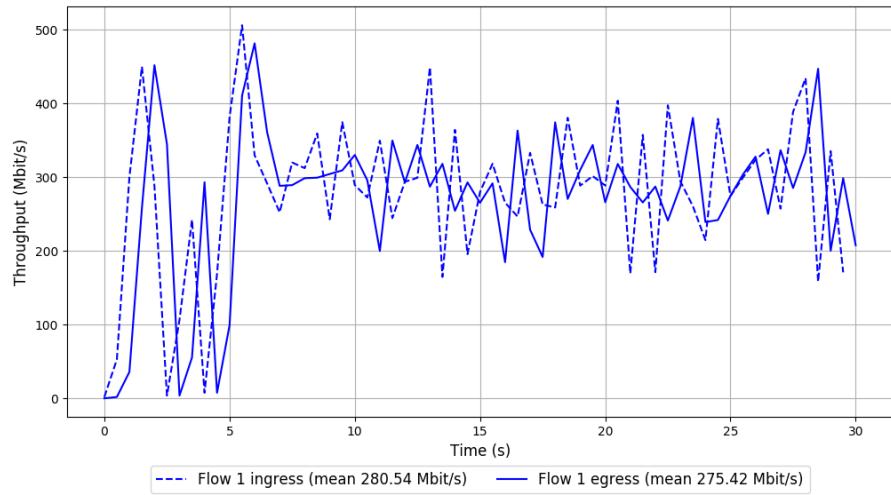


Run 5: Statistics of Verus

```
Start at: 2018-08-03 06:09:19
End at: 2018-08-03 06:09:49
Local clock offset: 0.119 ms
Remote clock offset: -0.275 ms

# Below is generated by plot.py at 2018-08-03 10:13:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.42 Mbit/s
95th percentile per-packet one-way delay: 164.139 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 275.42 Mbit/s
95th percentile per-packet one-way delay: 164.139 ms
Loss rate: 1.81%
```

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

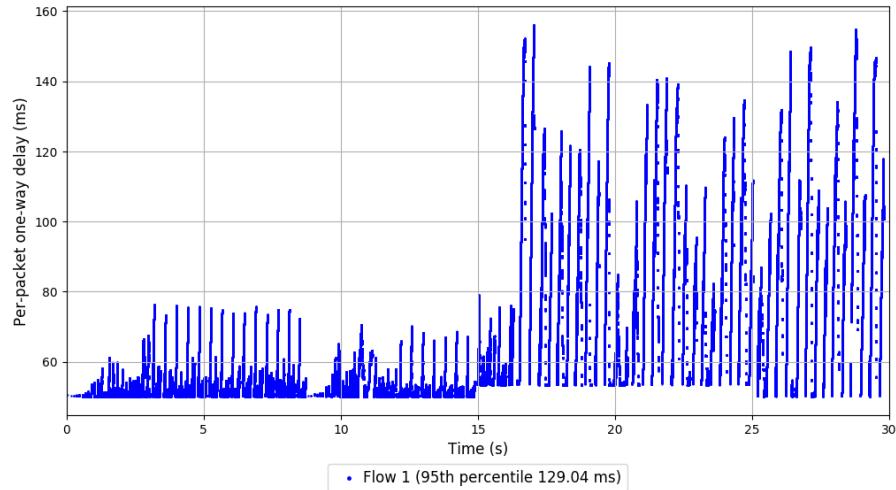
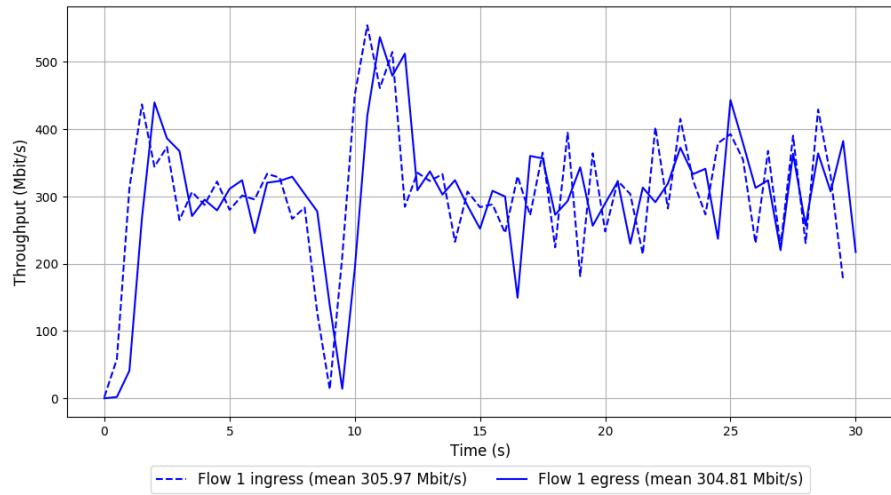


Run 6: Statistics of Verus

```
Start at: 2018-08-03 06:31:48
End at: 2018-08-03 06:32:18
Local clock offset: 0.062 ms
Remote clock offset: -0.308 ms

# Below is generated by plot.py at 2018-08-03 10:13:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 304.81 Mbit/s
95th percentile per-packet one-way delay: 129.041 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 304.81 Mbit/s
95th percentile per-packet one-way delay: 129.041 ms
Loss rate: 0.21%
```

Run 6: Report of Verus — Data Link

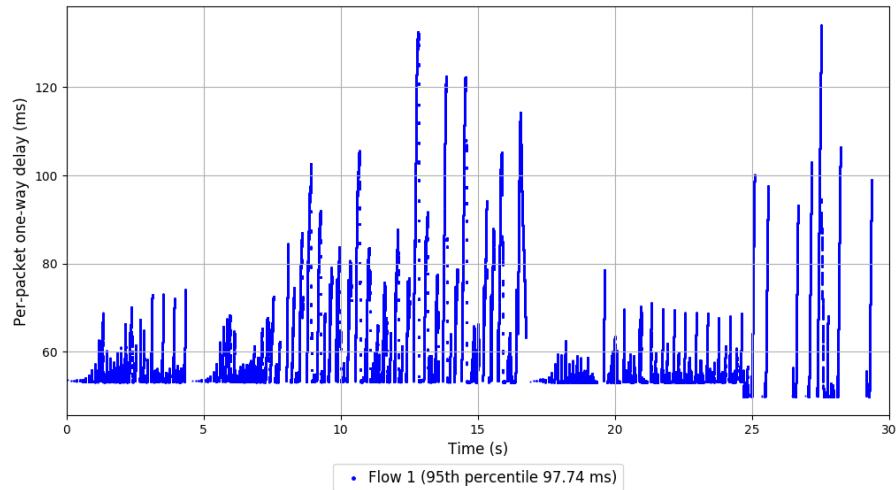
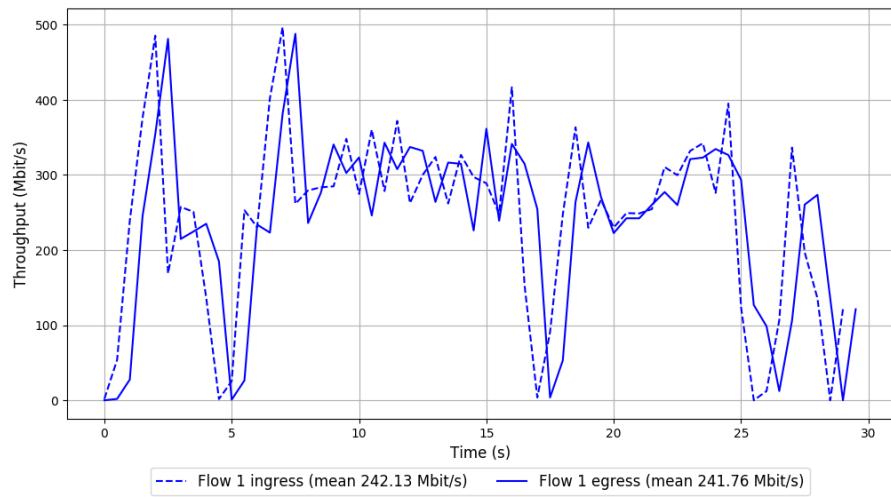


Run 7: Statistics of Verus

```
Start at: 2018-08-03 06:53:48
End at: 2018-08-03 06:54:18
Local clock offset: 0.16 ms
Remote clock offset: -0.358 ms

# Below is generated by plot.py at 2018-08-03 10:13:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.76 Mbit/s
95th percentile per-packet one-way delay: 97.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.76 Mbit/s
95th percentile per-packet one-way delay: 97.743 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

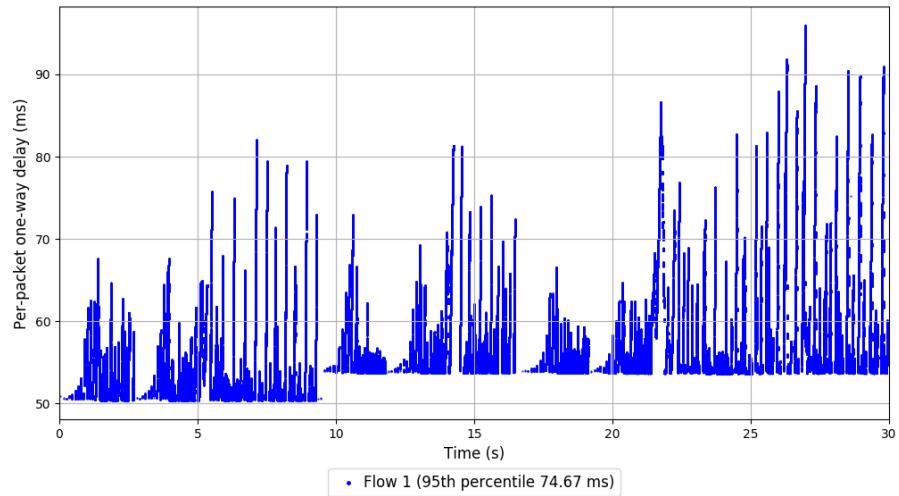
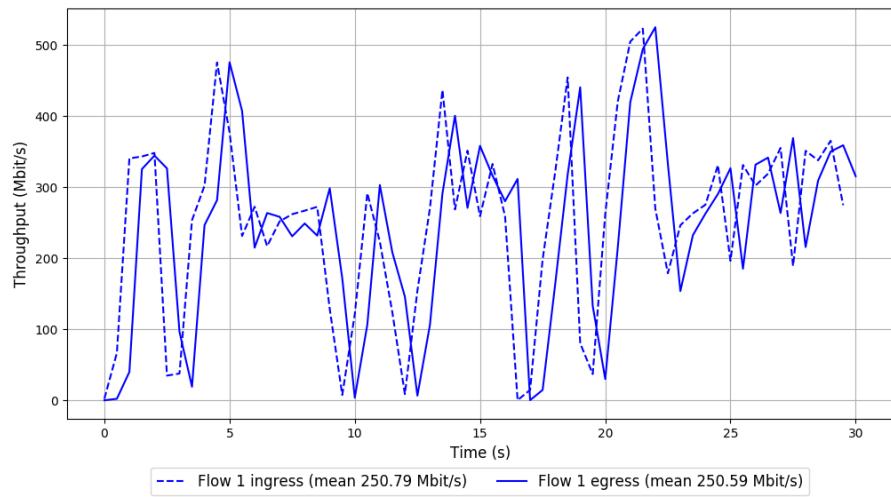


Run 8: Statistics of Verus

```
Start at: 2018-08-03 07:15:53
End at: 2018-08-03 07:16:23
Local clock offset: -0.02 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-08-03 10:15:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.59 Mbit/s
95th percentile per-packet one-way delay: 74.667 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 250.59 Mbit/s
95th percentile per-packet one-way delay: 74.667 ms
Loss rate: 0.07%
```

Run 8: Report of Verus — Data Link

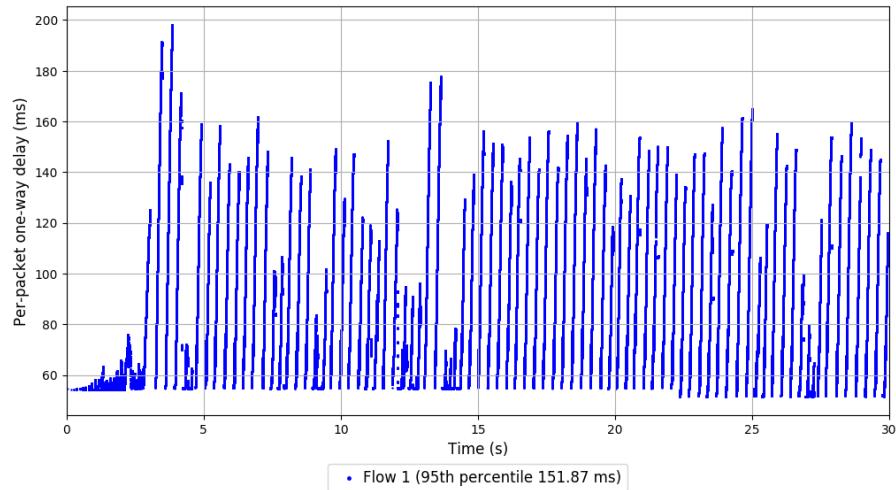
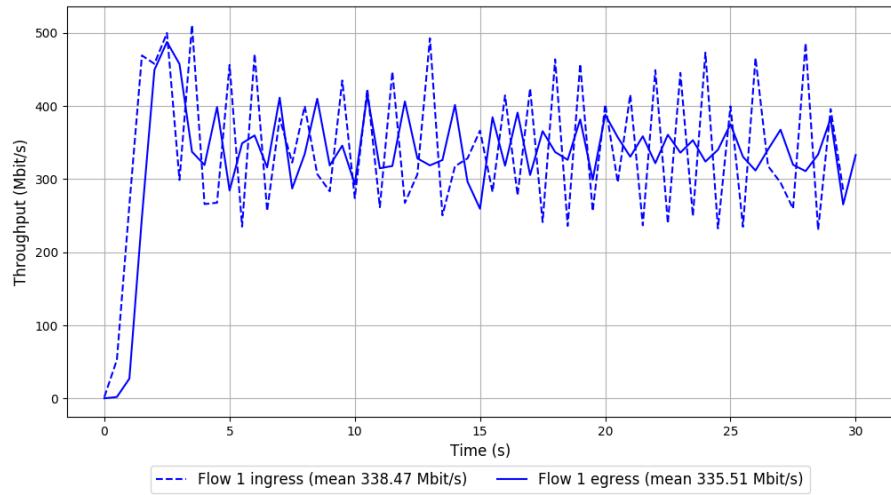


Run 9: Statistics of Verus

```
Start at: 2018-08-03 07:38:21
End at: 2018-08-03 07:38:51
Local clock offset: -0.048 ms
Remote clock offset: 1.143 ms

# Below is generated by plot.py at 2018-08-03 10:16:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 335.51 Mbit/s
95th percentile per-packet one-way delay: 151.872 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 335.51 Mbit/s
95th percentile per-packet one-way delay: 151.872 ms
Loss rate: 0.81%
```

Run 9: Report of Verus — Data Link

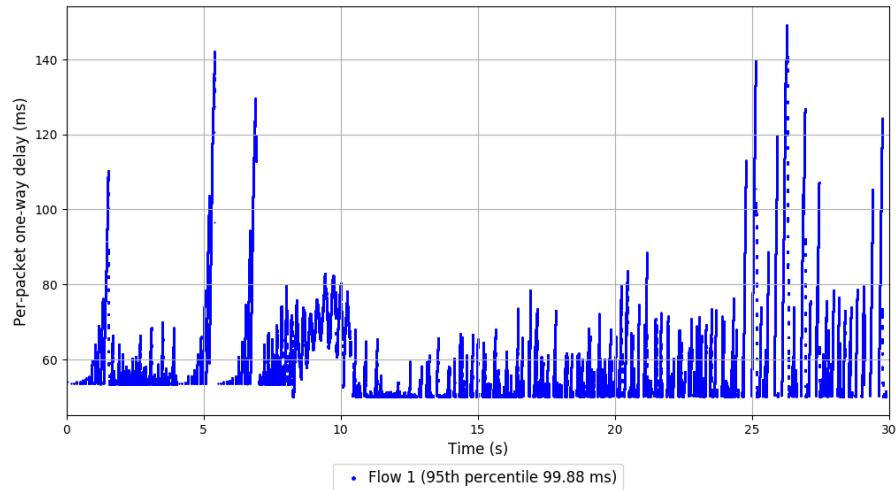
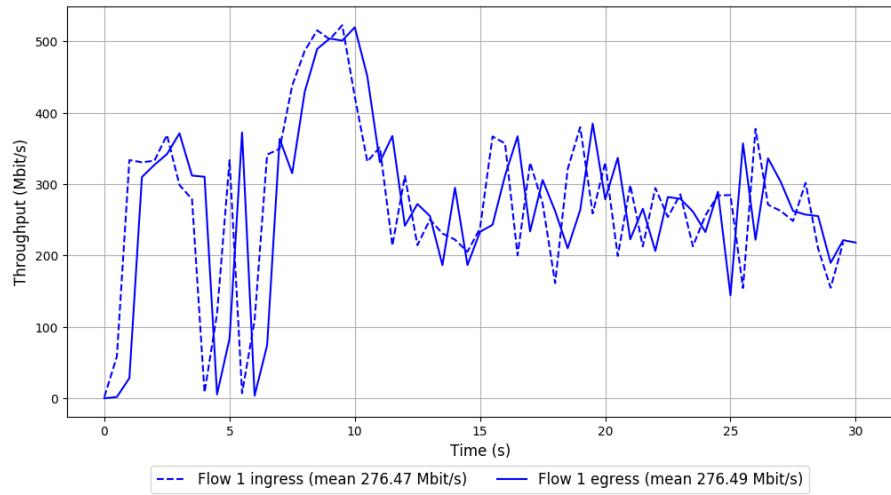


Run 10: Statistics of Verus

```
Start at: 2018-08-03 08:00:25
End at: 2018-08-03 08:00:55
Local clock offset: -0.139 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2018-08-03 10:16:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 276.49 Mbit/s
95th percentile per-packet one-way delay: 99.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 276.49 Mbit/s
95th percentile per-packet one-way delay: 99.883 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

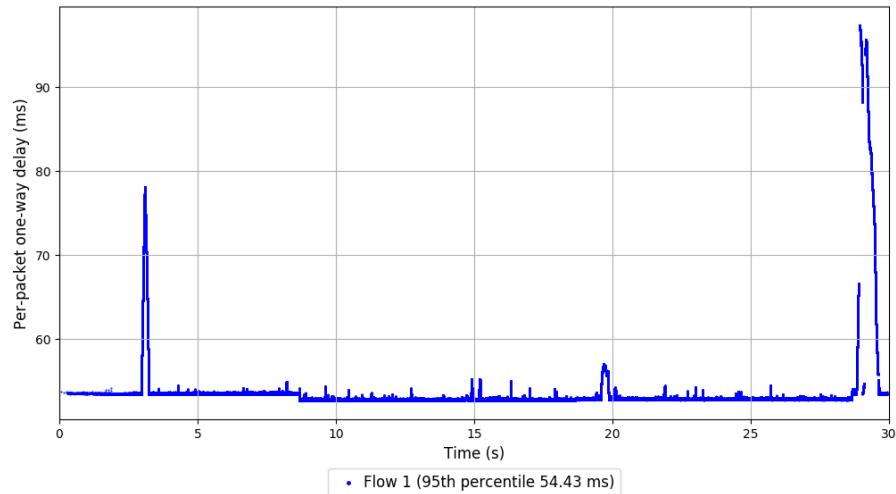
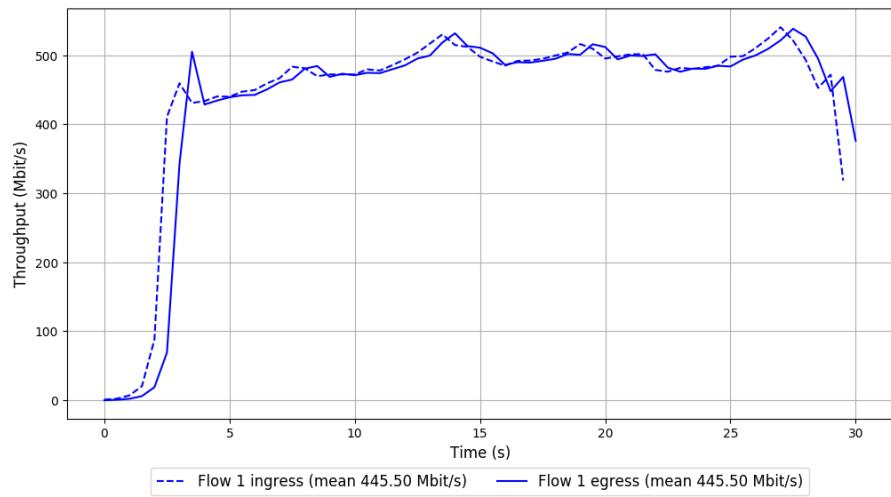


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-08-03 04:46:14
End at: 2018-08-03 04:46:44
Local clock offset: 0.098 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-08-03 10:19:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 445.50 Mbit/s
95th percentile per-packet one-way delay: 54.431 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 445.50 Mbit/s
95th percentile per-packet one-way delay: 54.431 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Vivace — Data Link

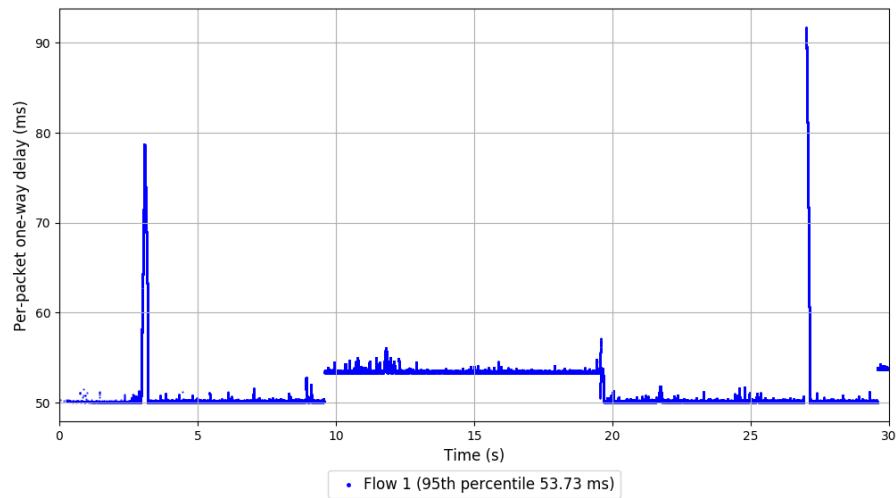
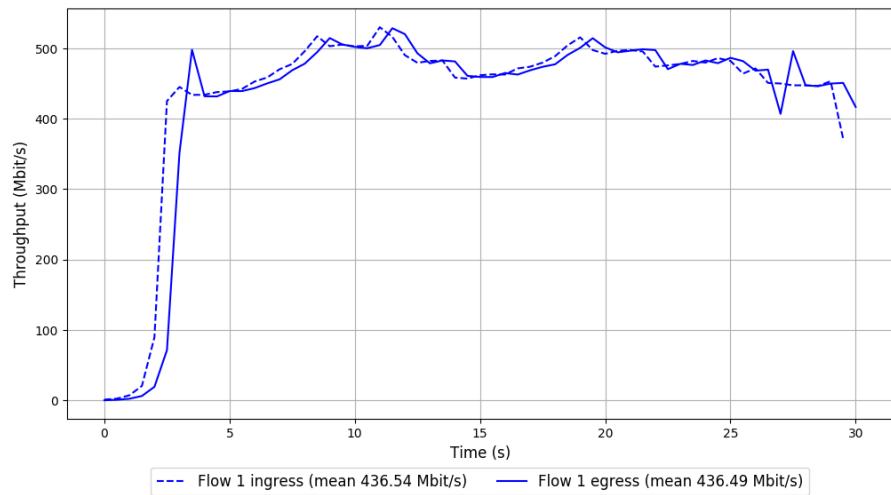


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-08-03 05:08:35
End at: 2018-08-03 05:09:05
Local clock offset: -0.09 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-08-03 10:19:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.49 Mbit/s
95th percentile per-packet one-way delay: 53.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 436.49 Mbit/s
95th percentile per-packet one-way delay: 53.732 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

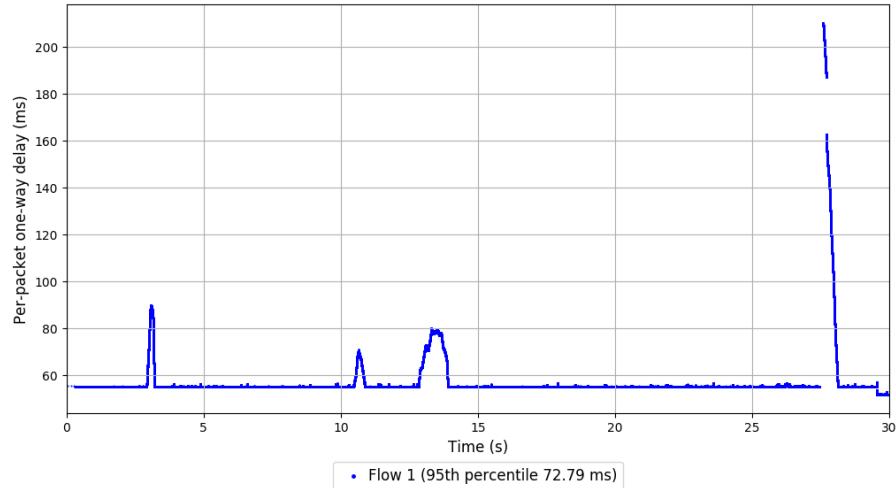
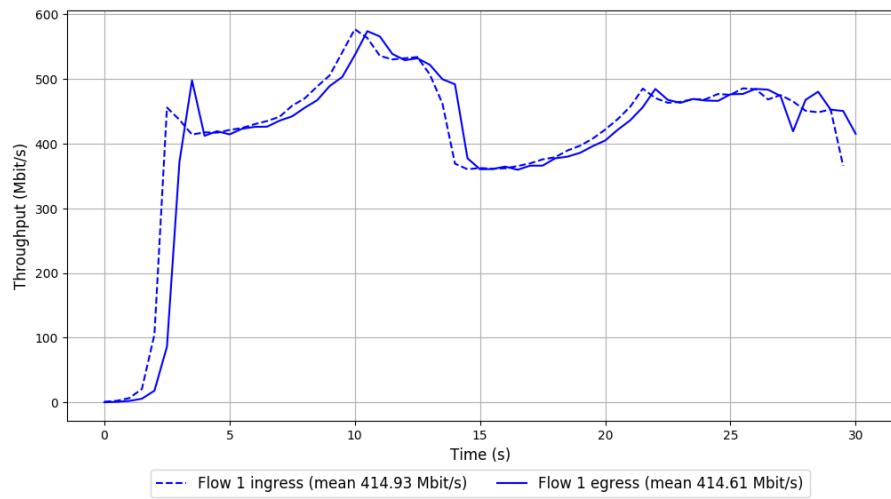


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-08-03 05:31:15
End at: 2018-08-03 05:31:45
Local clock offset: 0.156 ms
Remote clock offset: 1.212 ms

# Below is generated by plot.py at 2018-08-03 10:19:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 414.61 Mbit/s
95th percentile per-packet one-way delay: 72.794 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 414.61 Mbit/s
95th percentile per-packet one-way delay: 72.794 ms
Loss rate: 0.09%
```

Run 3: Report of PCC-Vivace — Data Link

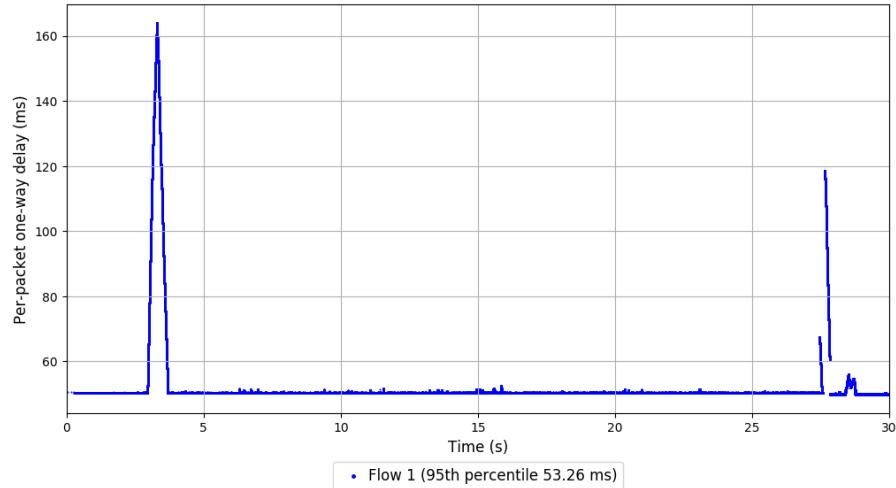
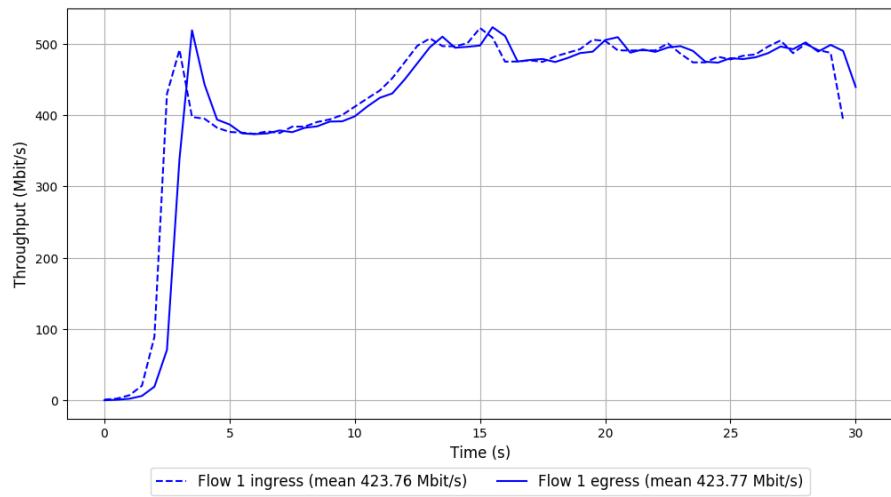


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-08-03 05:53:46
End at: 2018-08-03 05:54:17
Local clock offset: 0.235 ms
Remote clock offset: -0.291 ms

# Below is generated by plot.py at 2018-08-03 10:20:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 423.77 Mbit/s
95th percentile per-packet one-way delay: 53.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 423.77 Mbit/s
95th percentile per-packet one-way delay: 53.264 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

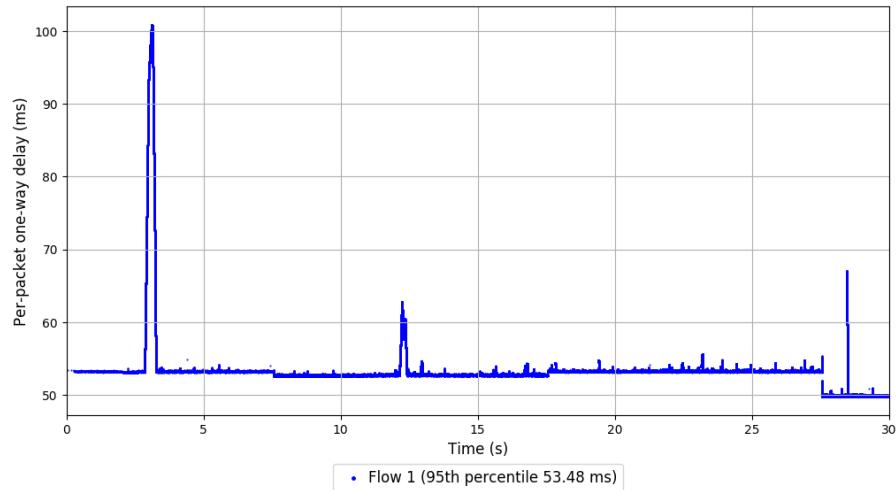
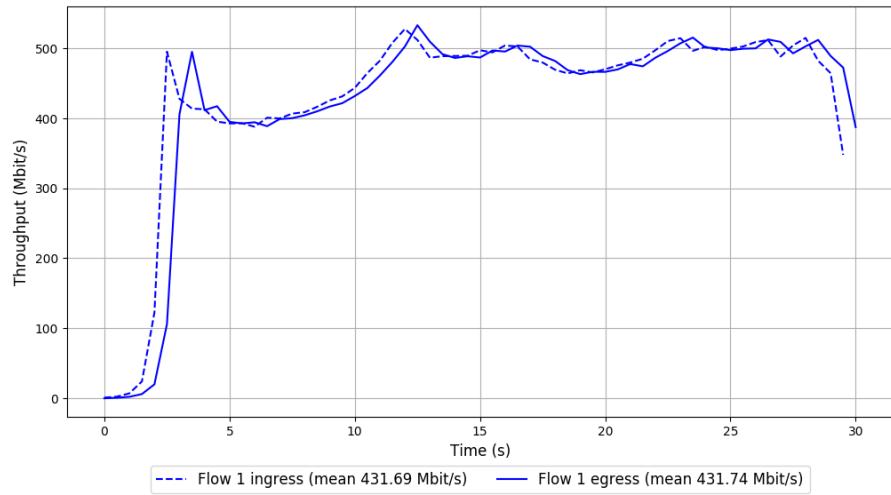


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-08-03 06:15:25
End at: 2018-08-03 06:15:55
Local clock offset: 0.124 ms
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2018-08-03 10:20:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 431.74 Mbit/s
95th percentile per-packet one-way delay: 53.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 431.74 Mbit/s
95th percentile per-packet one-way delay: 53.478 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

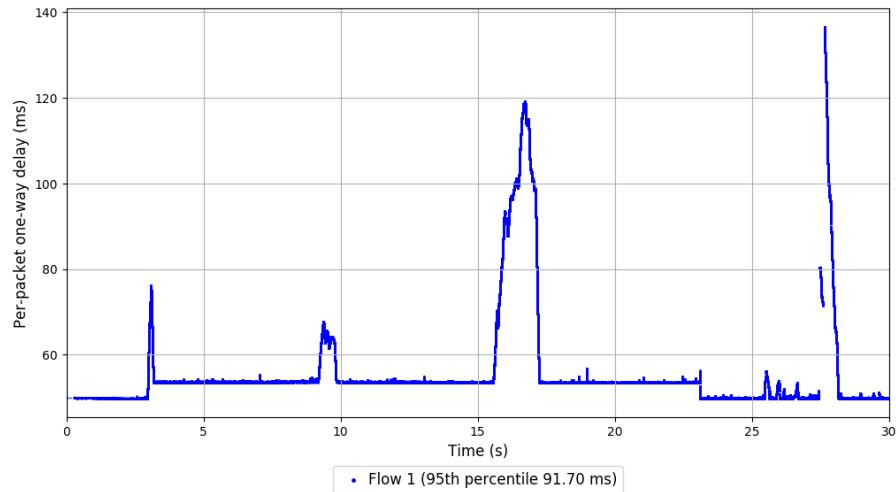
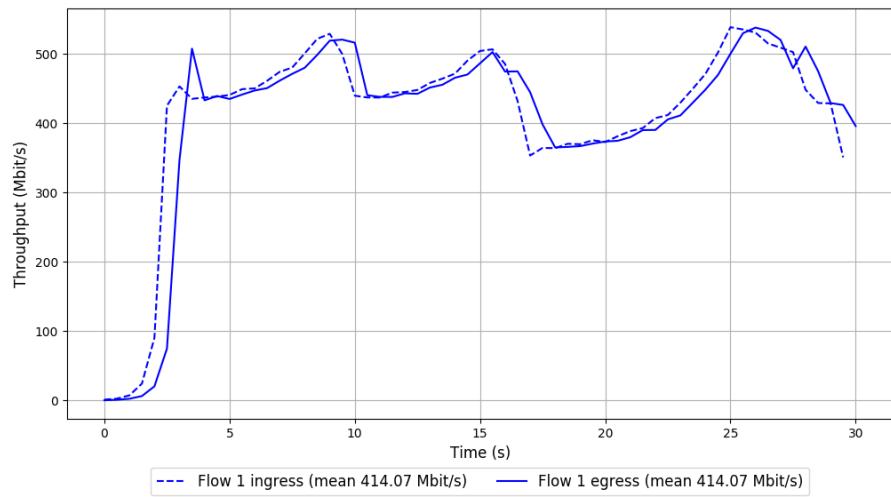


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-08-03 06:38:00
End at: 2018-08-03 06:38:30
Local clock offset: -0.061 ms
Remote clock offset: -0.342 ms

# Below is generated by plot.py at 2018-08-03 10:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 414.07 Mbit/s
95th percentile per-packet one-way delay: 91.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 414.07 Mbit/s
95th percentile per-packet one-way delay: 91.699 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

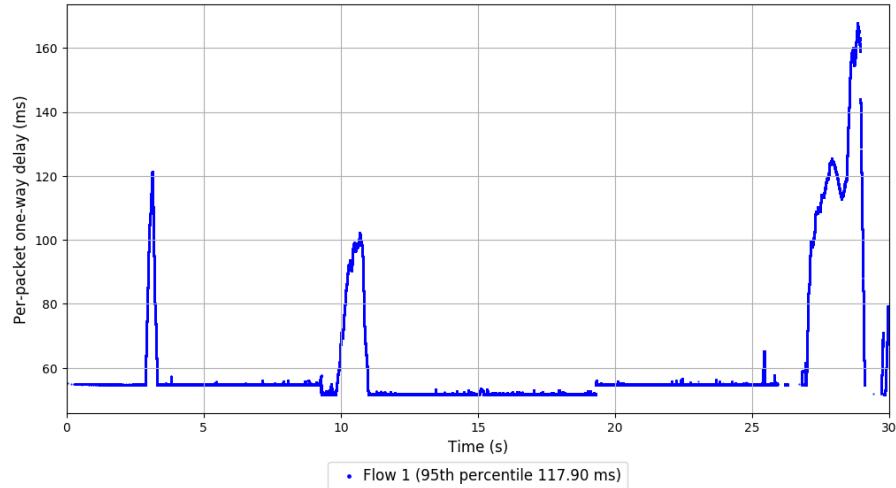
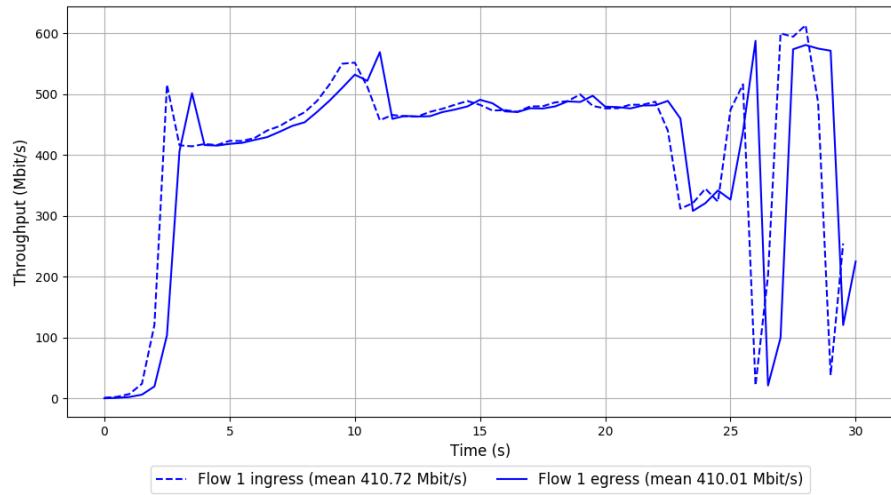


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-08-03 06:59:55
End at: 2018-08-03 07:00:25
Local clock offset: -0.034 ms
Remote clock offset: 1.019 ms

# Below is generated by plot.py at 2018-08-03 10:22:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 410.01 Mbit/s
95th percentile per-packet one-way delay: 117.904 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 410.01 Mbit/s
95th percentile per-packet one-way delay: 117.904 ms
Loss rate: 0.17%
```

Run 7: Report of PCC-Vivace — Data Link

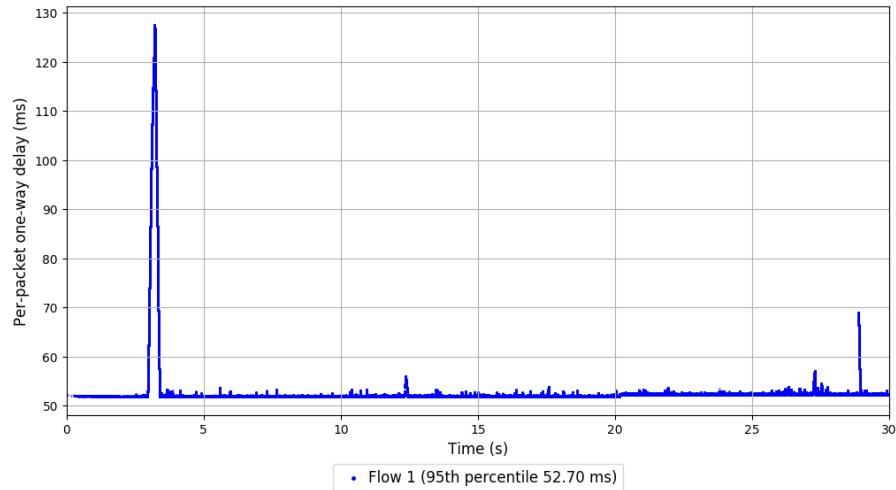
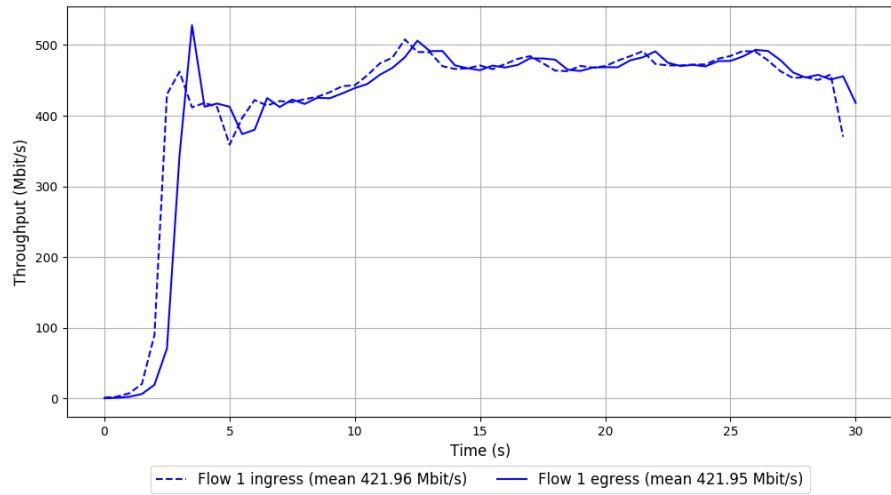


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-08-03 07:21:54
End at: 2018-08-03 07:22:24
Local clock offset: 0.052 ms
Remote clock offset: -1.253 ms

# Below is generated by plot.py at 2018-08-03 10:22:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 421.95 Mbit/s
95th percentile per-packet one-way delay: 52.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 421.95 Mbit/s
95th percentile per-packet one-way delay: 52.697 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

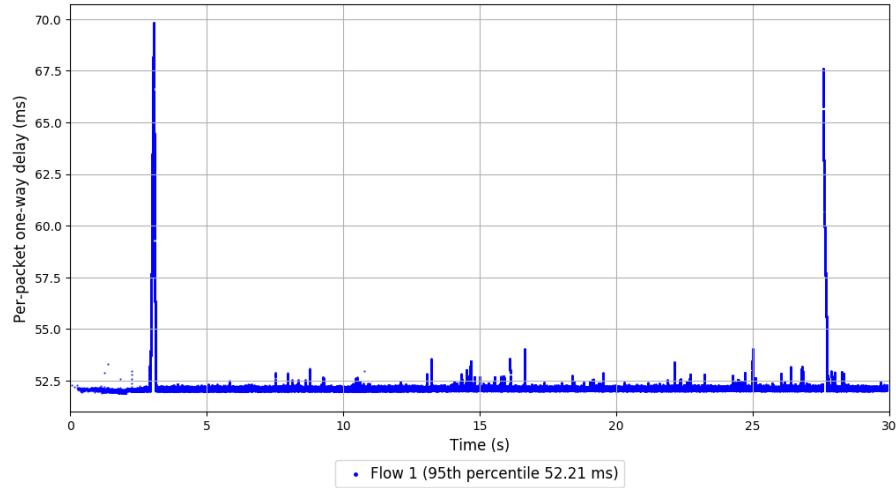
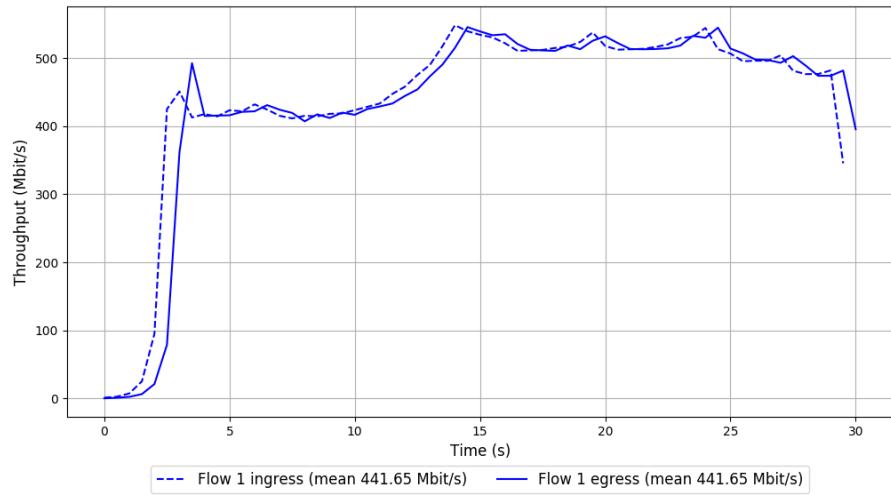


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-08-03 07:44:32
End at: 2018-08-03 07:45:02
Local clock offset: -0.078 ms
Remote clock offset: -1.141 ms

# Below is generated by plot.py at 2018-08-03 10:22:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 441.65 Mbit/s
95th percentile per-packet one-way delay: 52.213 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 441.65 Mbit/s
95th percentile per-packet one-way delay: 52.213 ms
Loss rate: 0.01%
```

Run 9: Report of PCC-Vivace — Data Link

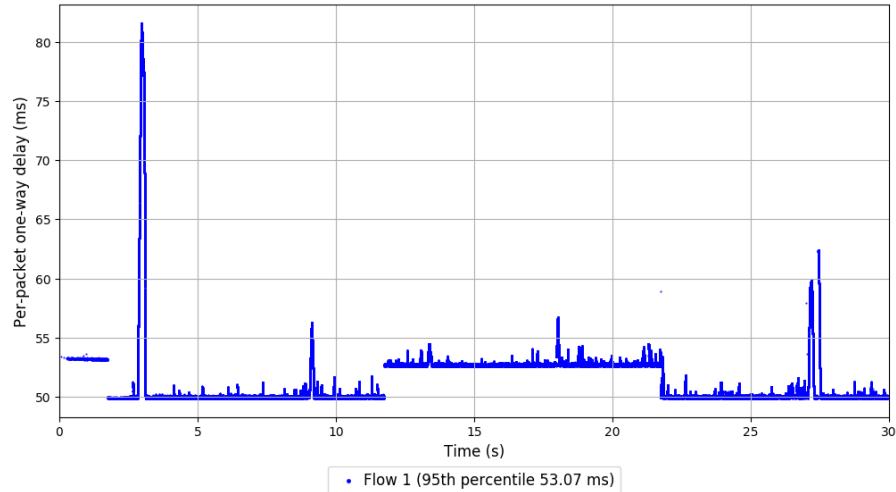
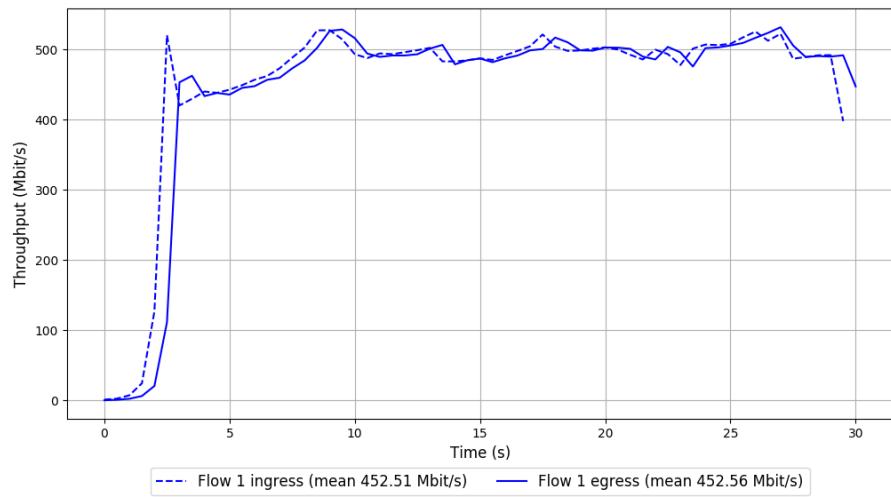


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-08-03 08:06:32
End at: 2018-08-03 08:07:02
Local clock offset: 0.003 ms
Remote clock offset: -0.319 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 452.56 Mbit/s
95th percentile per-packet one-way delay: 53.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 452.56 Mbit/s
95th percentile per-packet one-way delay: 53.068 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link

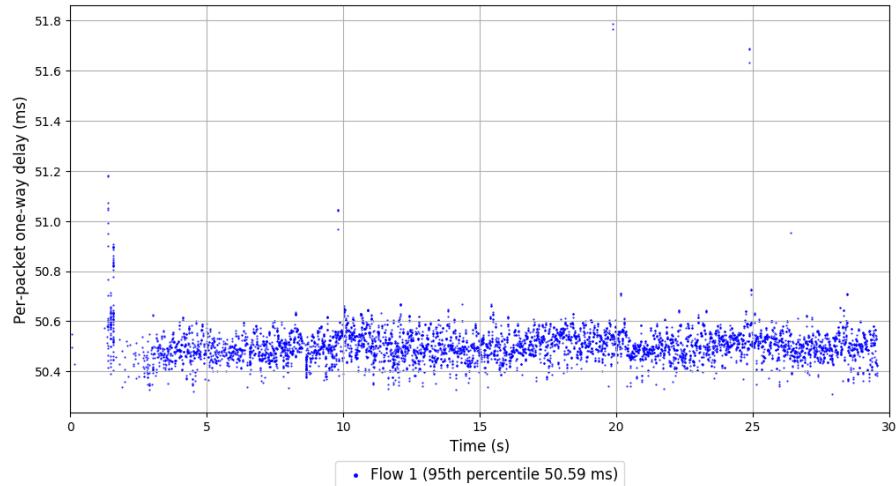
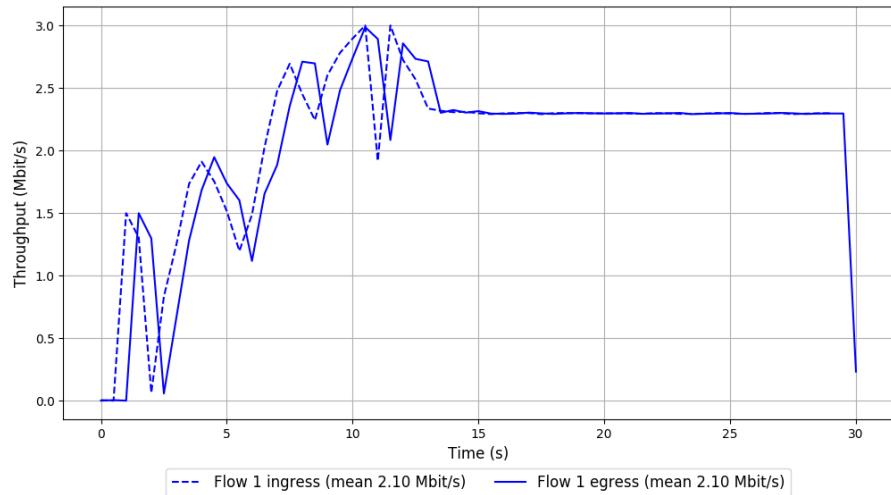


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-03 04:59:14
End at: 2018-08-03 04:59:44
Local clock offset: 0.087 ms
Remote clock offset: 0.103 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 50.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 50.595 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

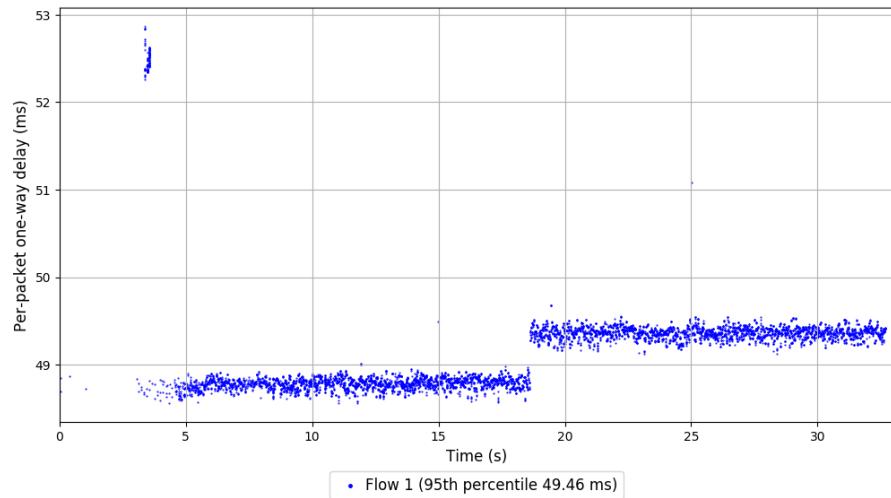
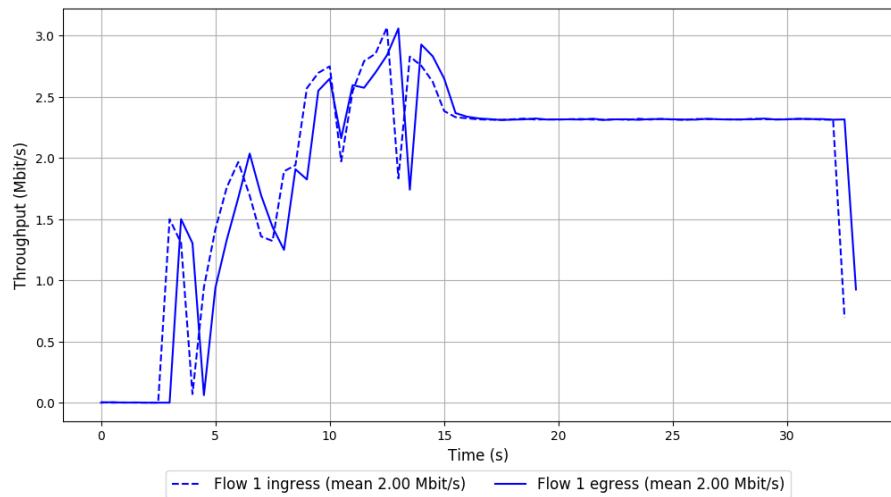


Run 2: Statistics of WebRTC media

```
Start at: 2018-08-03 05:21:47
End at: 2018-08-03 05:22:17
Local clock offset: 0.055 ms
Remote clock offset: -1.408 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 49.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 49.458 ms
Loss rate: 0.00%
```

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

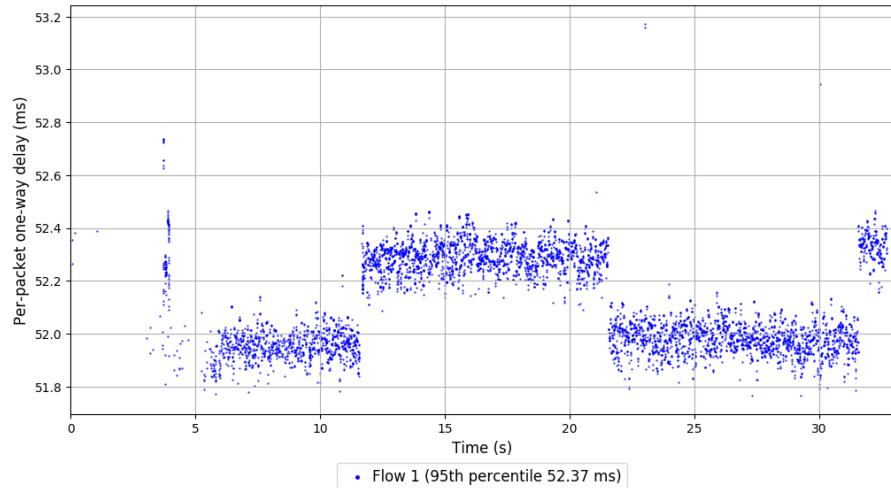
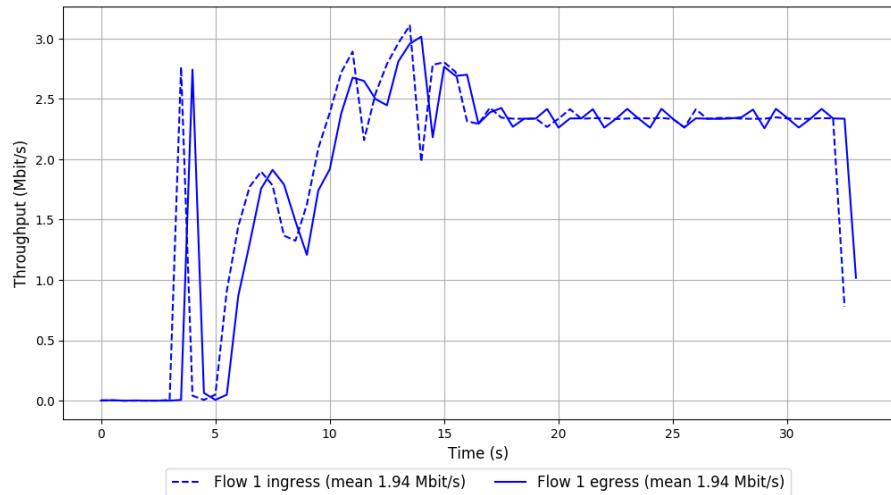


```
Run 3: Statistics of WebRTC media

Start at: 2018-08-03 05:44:15
End at: 2018-08-03 05:44:45
Local clock offset: 0.093 ms
Remote clock offset: -1.416 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 52.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 52.371 ms
Loss rate: 0.00%
```

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

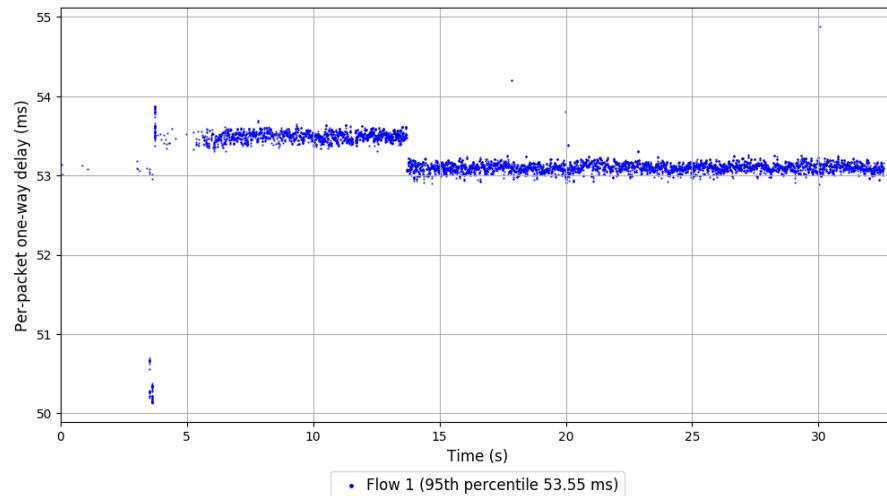
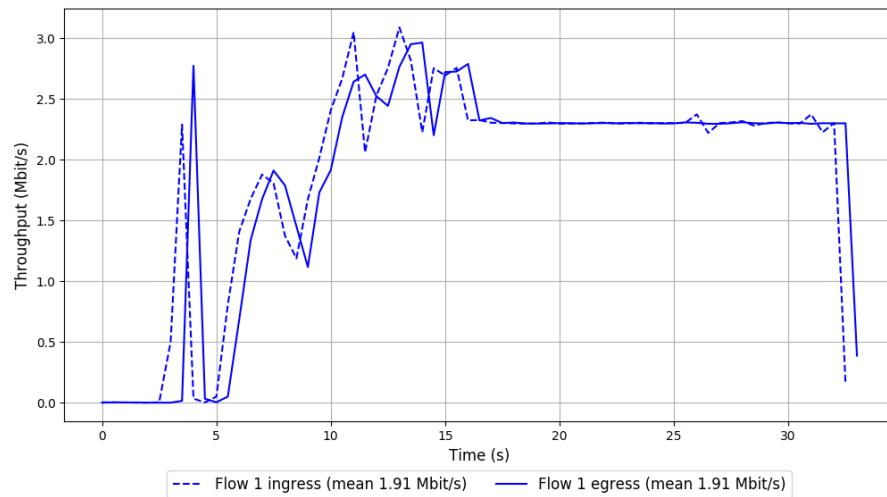


Run 4: Statistics of WebRTC media

```
Start at: 2018-08-03 06:06:02
End at: 2018-08-03 06:06:32
Local clock offset: 0.124 ms
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 53.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 53.553 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

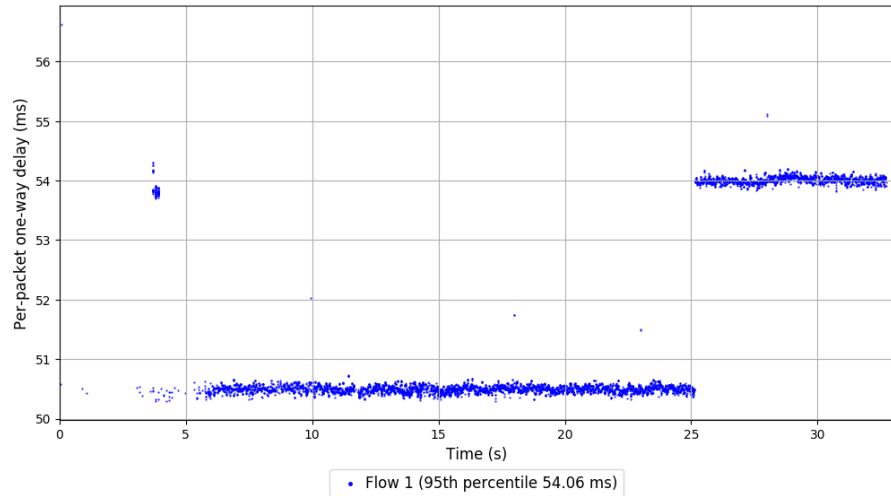
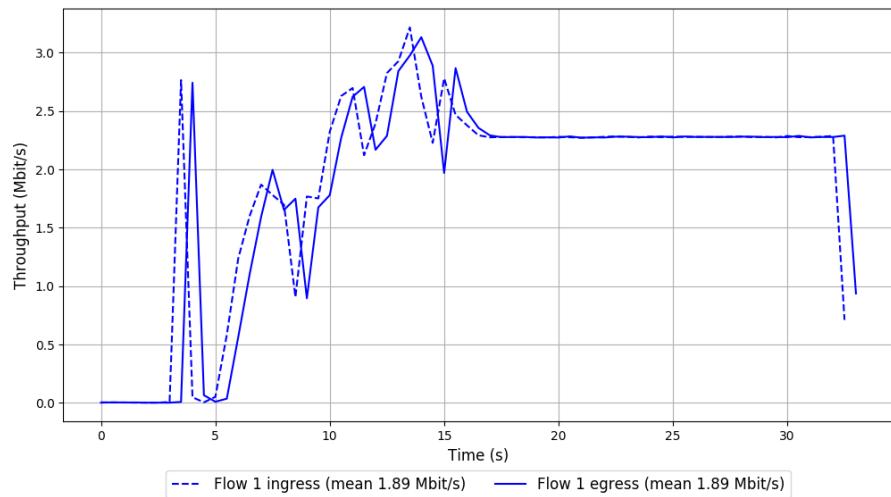


Run 5: Statistics of WebRTC media

```
Start at: 2018-08-03 06:28:31
End at: 2018-08-03 06:29:01
Local clock offset: -0.158 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 54.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 54.062 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

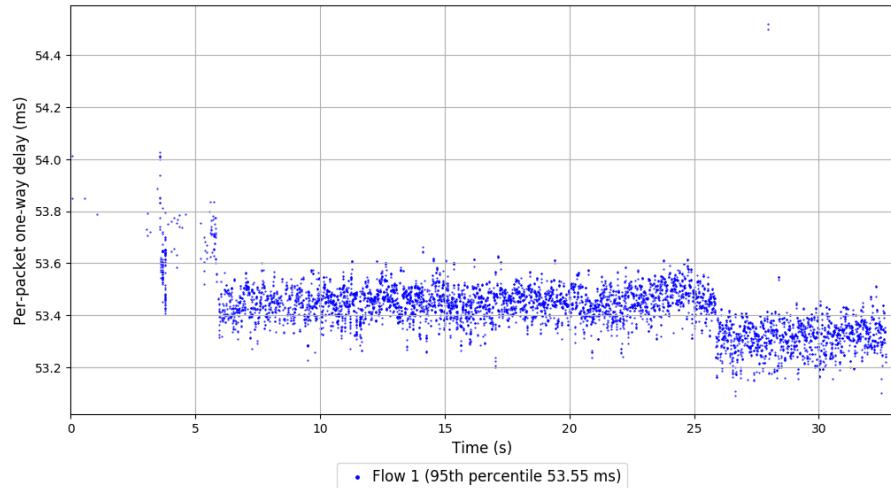
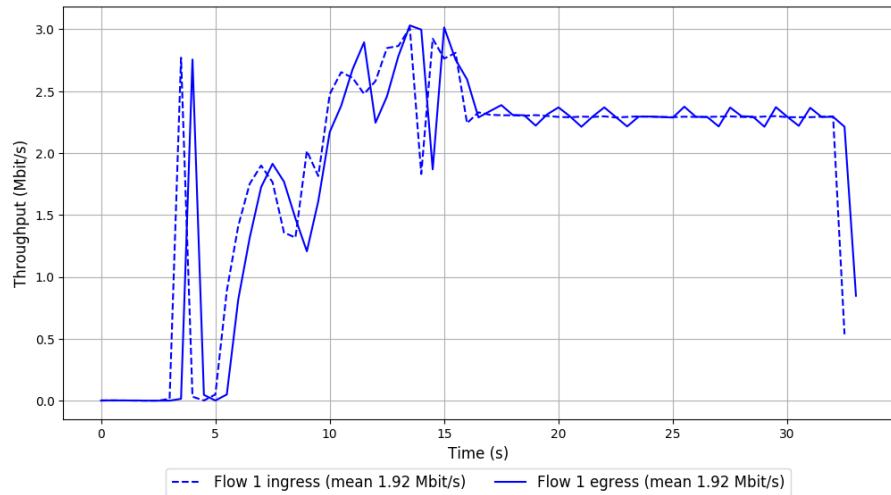


```
Run 6: Statistics of WebRTC media

Start at: 2018-08-03 06:50:31
End at: 2018-08-03 06:51:01
Local clock offset: -0.09 ms
Remote clock offset: -0.399 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 53.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 53.549 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

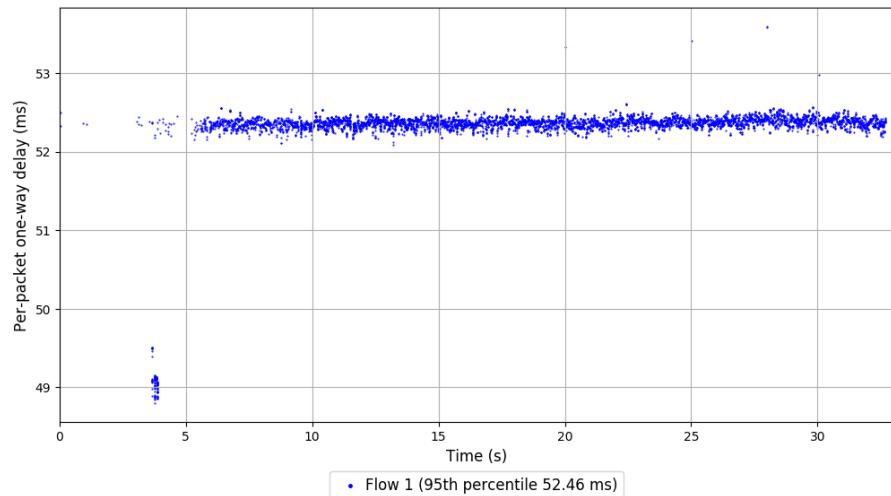
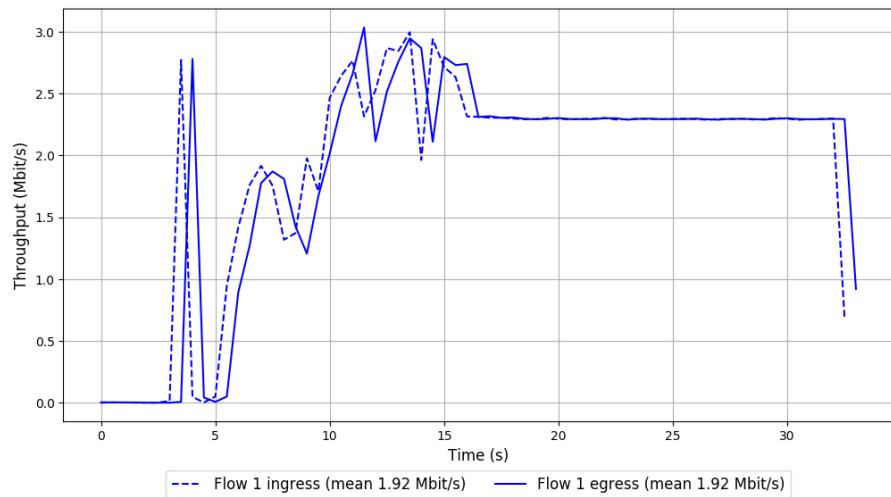


```
Run 7: Statistics of WebRTC media

Start at: 2018-08-03 07:12:33
End at: 2018-08-03 07:13:03
Local clock offset: 0.112 ms
Remote clock offset: -1.396 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 52.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 52.463 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

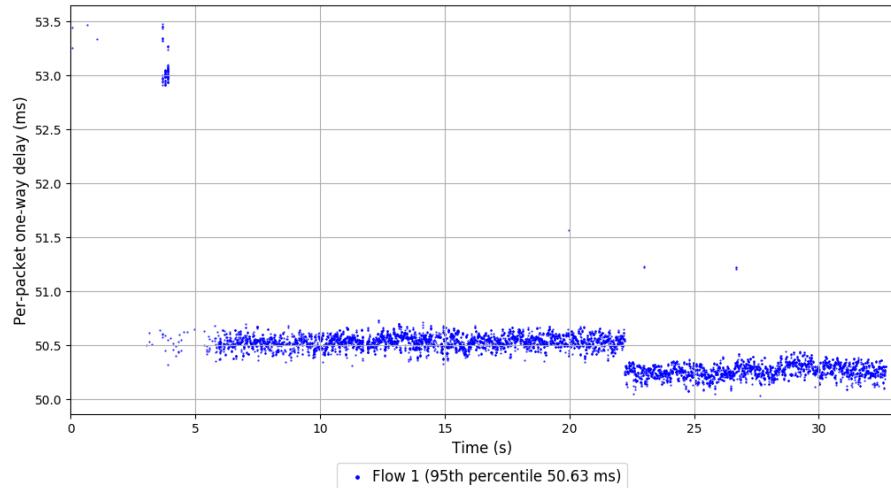
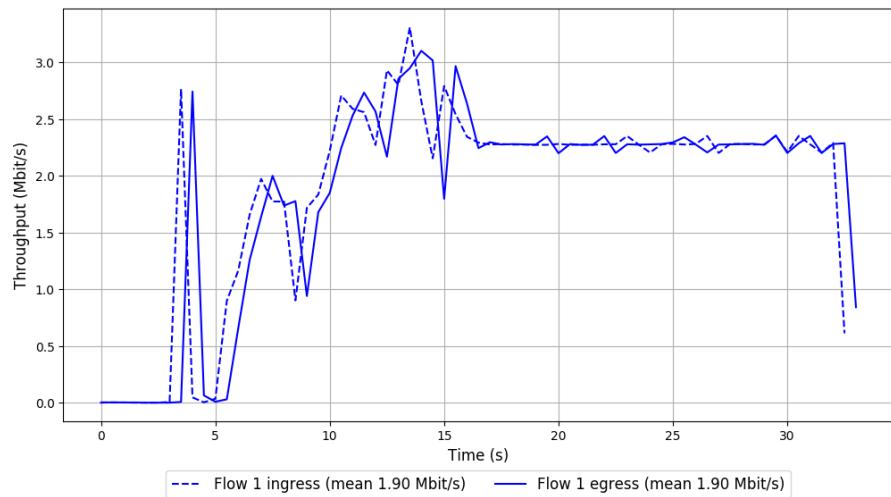


```
Run 8: Statistics of WebRTC media

Start at: 2018-08-03 07:35:04
End at: 2018-08-03 07:35:34
Local clock offset: -0.081 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 50.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 50.632 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

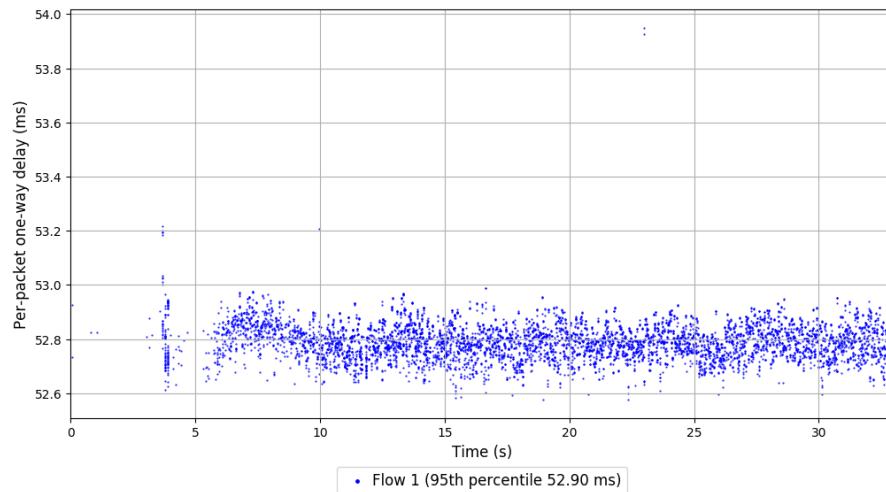
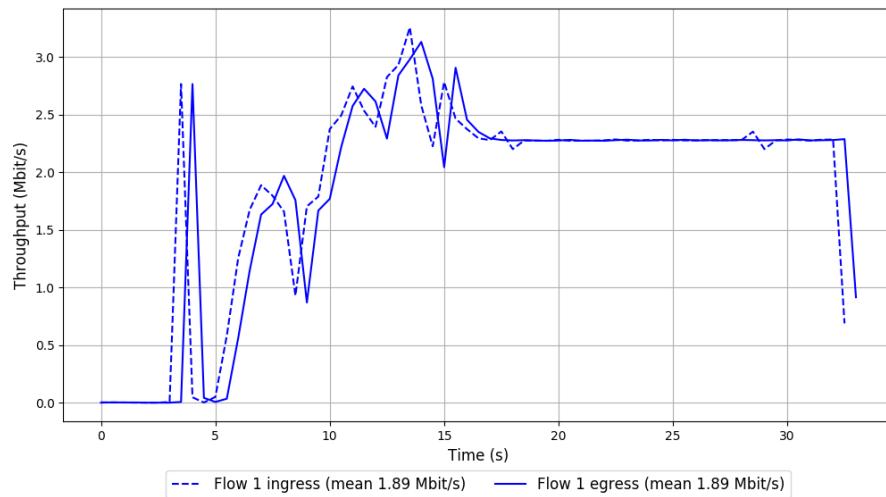


Run 9: Statistics of WebRTC media

```
Start at: 2018-08-03 07:57:08
End at: 2018-08-03 07:57:38
Local clock offset: 0.137 ms
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 52.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 52.897 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: 2018-08-03 08:19:35
End at: 2018-08-03 08:20:05
Local clock offset: -0.271 ms
Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2018-08-03 10:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 53.736 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

