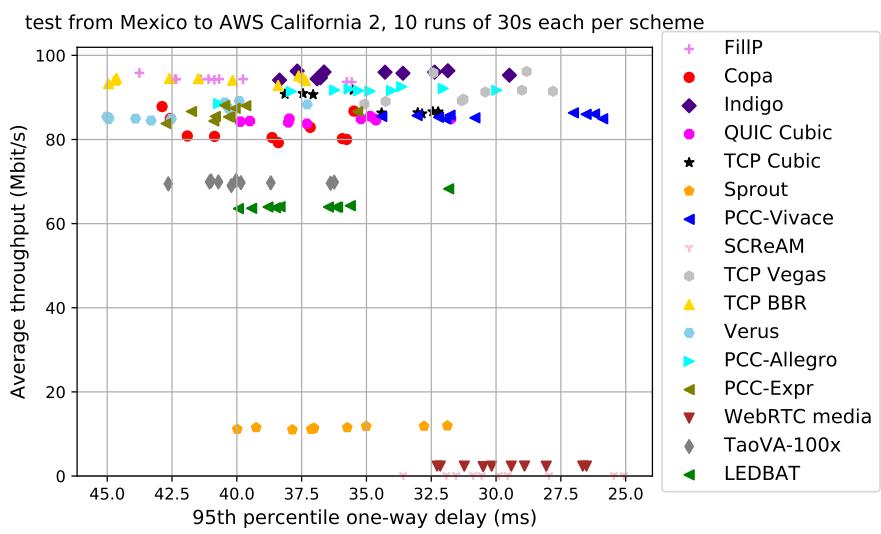
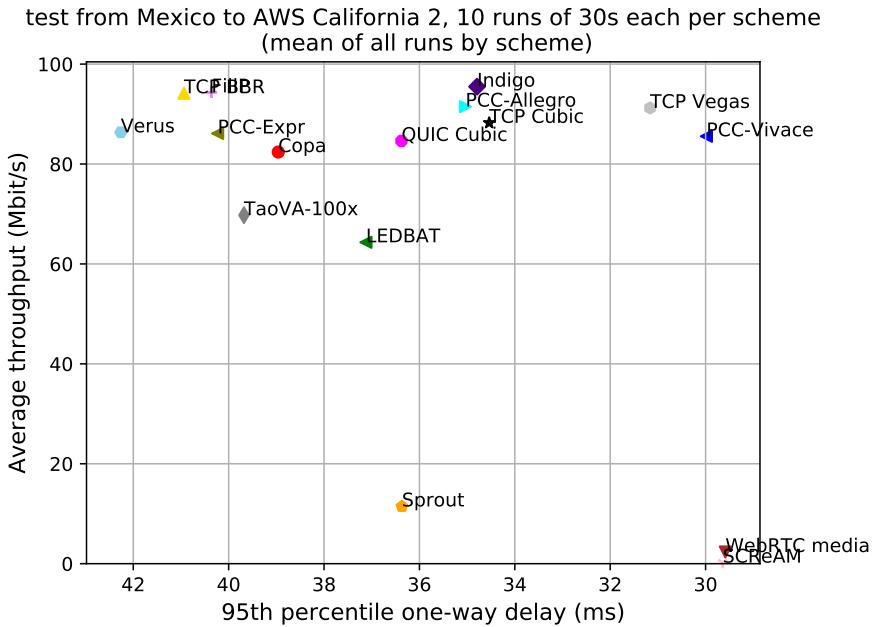


Pantheon Report

Generated at 2018-06-19 05:34:30 (UTC).
Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



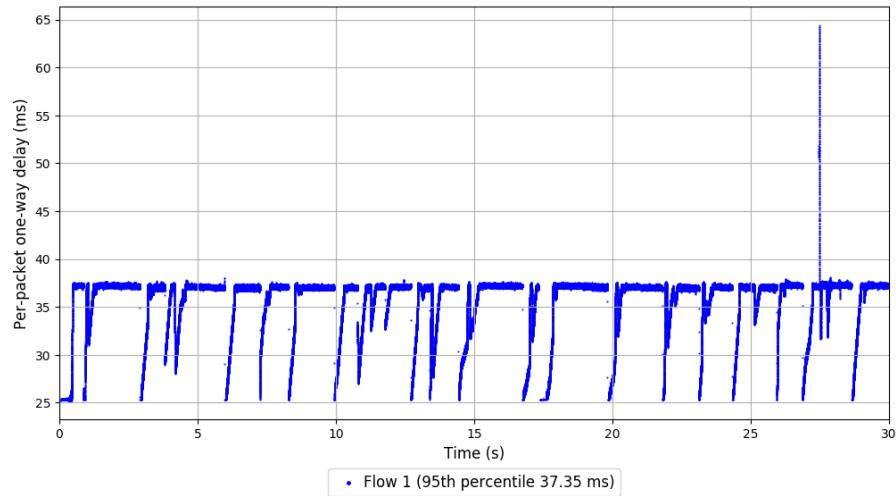
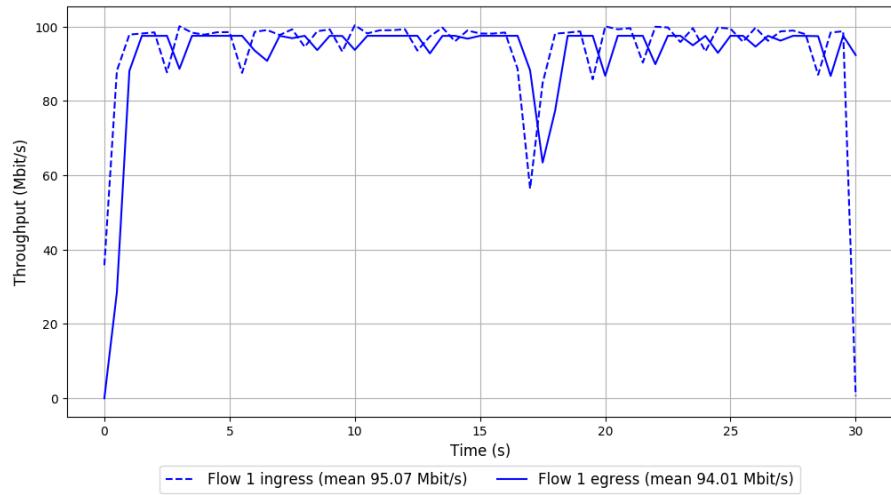
| scheme | # runs | mean avg tput (Mbit/s) flow 1 | mean 95th-%ile delay (ms) flow 1 | mean loss rate (%) flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR | 10 | 94.17 | 40.94 | 1.20 |
| Copa | 10 | 82.39 | 38.96 | 0.21 |
| TCP Cubic | 10 | 88.24 | 34.54 | 0.20 |
| FillP | 10 | 94.34 | 40.36 | 0.23 |
| Indigo | 10 | 95.49 | 34.79 | 0.21 |
| LEDBAT | 10 | 64.33 | 37.12 | 0.24 |
| PCC-Allegro | 10 | 91.48 | 35.03 | 0.22 |
| PCC-Expr | 10 | 86.12 | 40.23 | 0.26 |
| QUIC Cubic | 10 | 84.62 | 36.38 | 0.24 |
| SCReAM | 10 | 0.22 | 29.64 | 0.21 |
| Sprout | 10 | 11.46 | 36.37 | 0.23 |
| TaoVA-100x | 10 | 69.76 | 39.68 | 0.17 |
| TCP Vegas | 10 | 91.22 | 31.16 | 0.21 |
| Verus | 10 | 86.35 | 42.26 | 0.40 |
| PCC-Vivace | 10 | 85.55 | 29.98 | 0.21 |
| WebRTC media | 10 | 2.33 | 29.59 | 0.21 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-19 01:50:54
End at: 2018-06-19 01:51:24
Local clock offset: -2.605 ms
Remote clock offset: 0.336 ms

# Below is generated by plot.py at 2018-06-19 05:14:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 37.347 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 37.347 ms
Loss rate: 1.29%
```

Run 1: Report of TCP BBR — Data Link

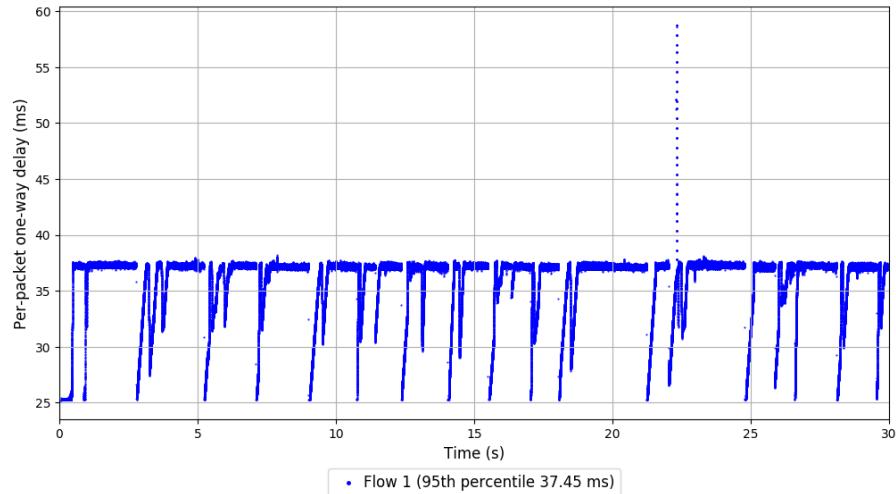
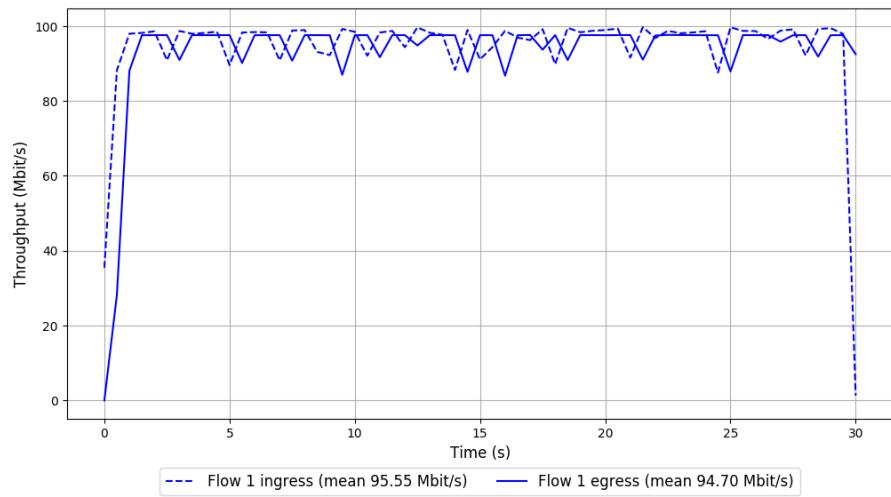


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-19 02:11:50
End at: 2018-06-19 02:12:20
Local clock offset: -3.98 ms
Remote clock offset: 1.155 ms

# Below is generated by plot.py at 2018-06-19 05:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 37.448 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 37.448 ms
Loss rate: 1.07%
```

Run 2: Report of TCP BBR — Data Link

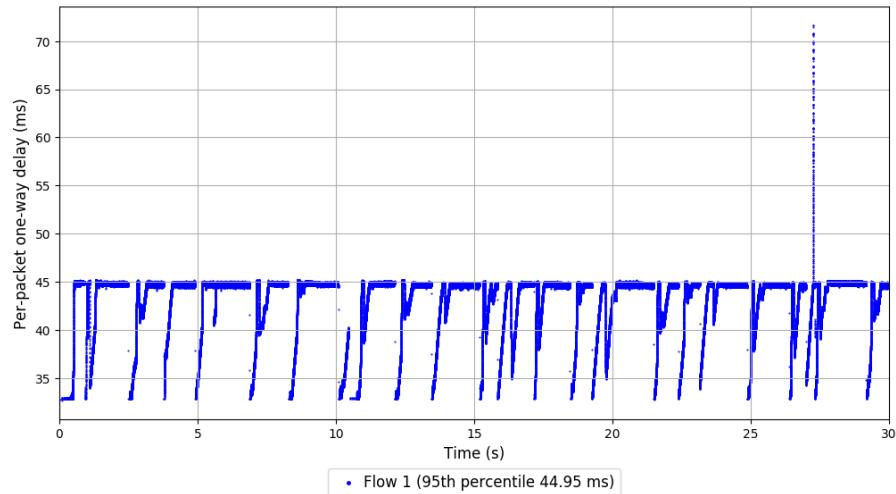
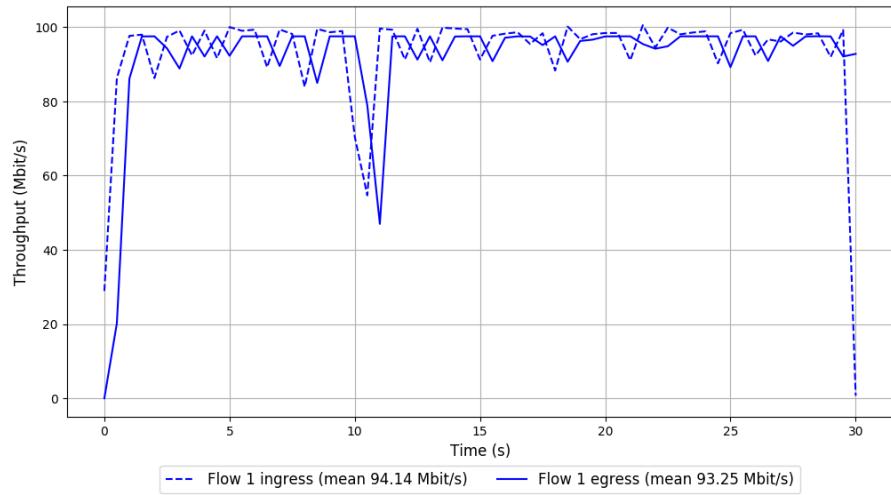


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-19 02:32:45
End at: 2018-06-19 02:33:15
Local clock offset: -4.883 ms
Remote clock offset: -0.583 ms

# Below is generated by plot.py at 2018-06-19 05:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 44.952 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 44.952 ms
Loss rate: 1.15%
```

Run 3: Report of TCP BBR — Data Link

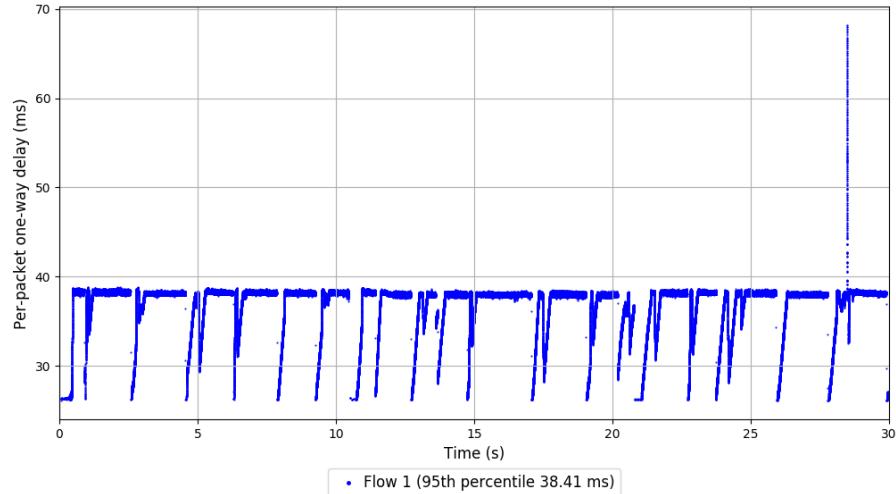
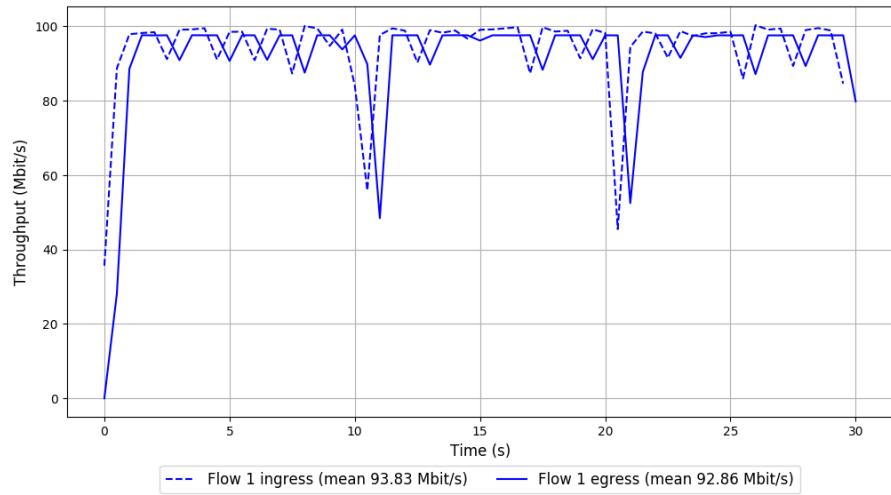


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-19 02:53:40
End at: 2018-06-19 02:54:10
Local clock offset: 0.822 ms
Remote clock offset: 0.88 ms

# Below is generated by plot.py at 2018-06-19 05:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 38.406 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 38.406 ms
Loss rate: 1.22%
```

Run 4: Report of TCP BBR — Data Link

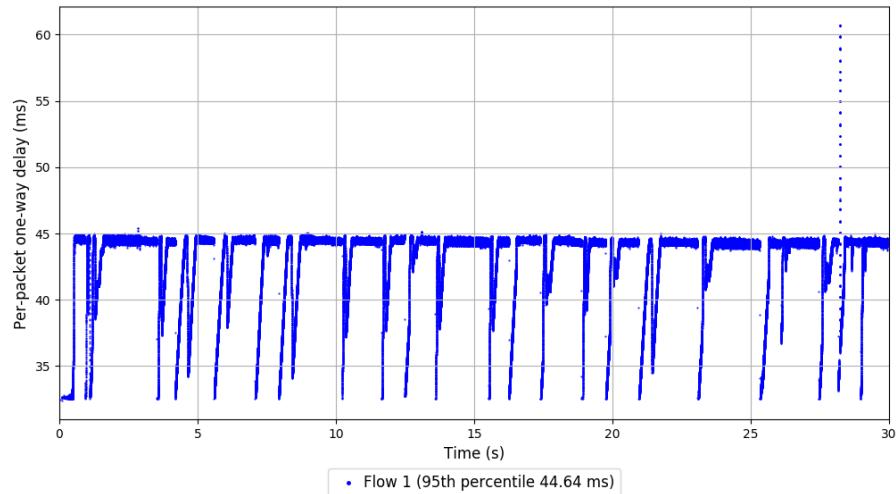
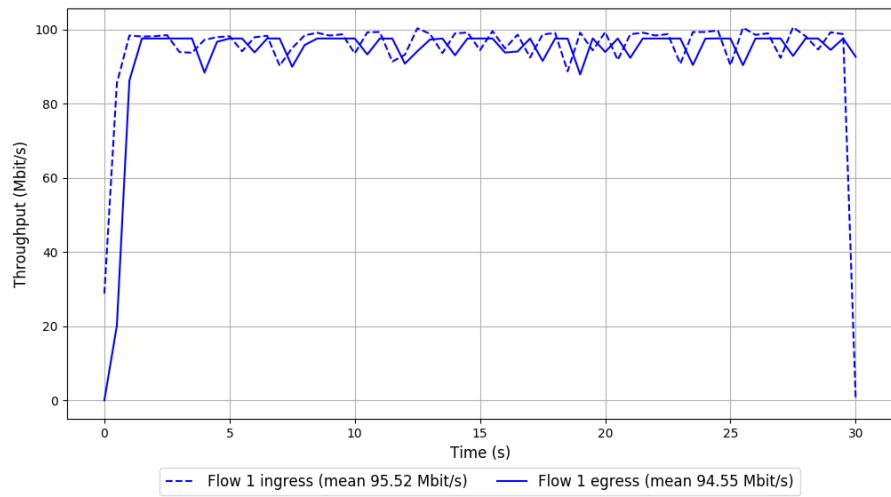


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-19 03:14:34
End at: 2018-06-19 03:15:04
Local clock offset: 1.147 ms
Remote clock offset: -2.149 ms

# Below is generated by plot.py at 2018-06-19 05:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 44.642 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 44.642 ms
Loss rate: 1.22%
```

Run 5: Report of TCP BBR — Data Link

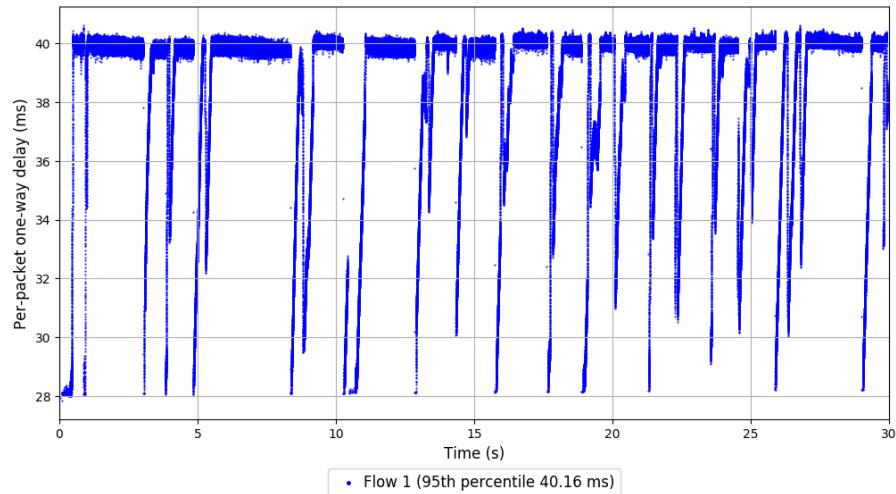
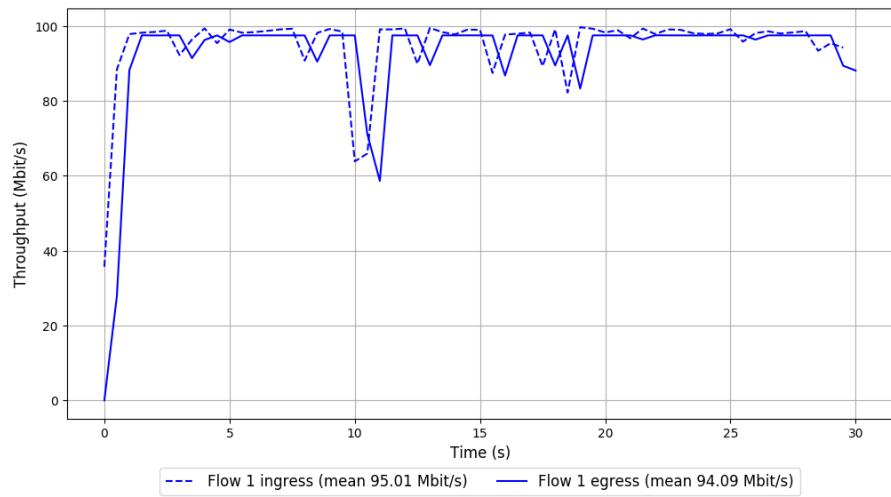


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-19 03:35:28
End at: 2018-06-19 03:35:58
Local clock offset: 0.977 ms
Remote clock offset: -2.444 ms

# Below is generated by plot.py at 2018-06-19 05:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 40.161 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 40.161 ms
Loss rate: 1.15%
```

Run 6: Report of TCP BBR — Data Link

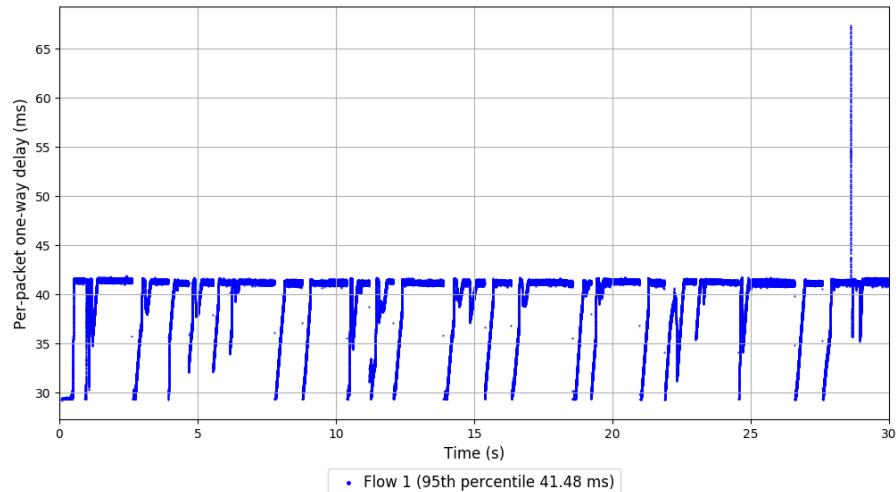
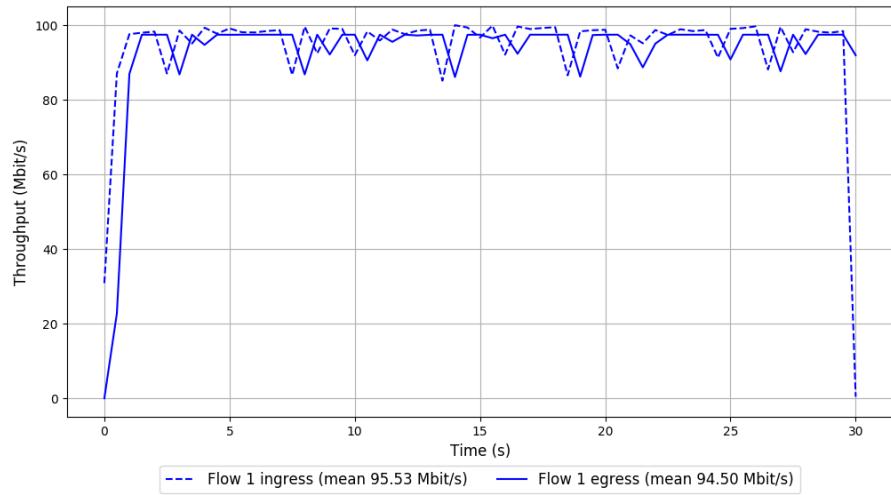


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-19 03:56:21
End at: 2018-06-19 03:56:52
Local clock offset: -2.603 ms
Remote clock offset: -0.365 ms

# Below is generated by plot.py at 2018-06-19 05:14:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 41.485 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 41.485 ms
Loss rate: 1.29%
```

Run 7: Report of TCP BBR — Data Link

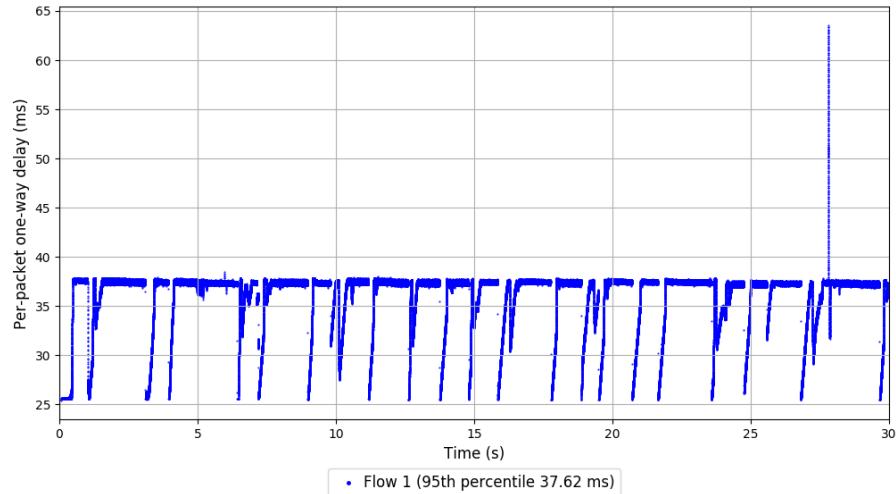
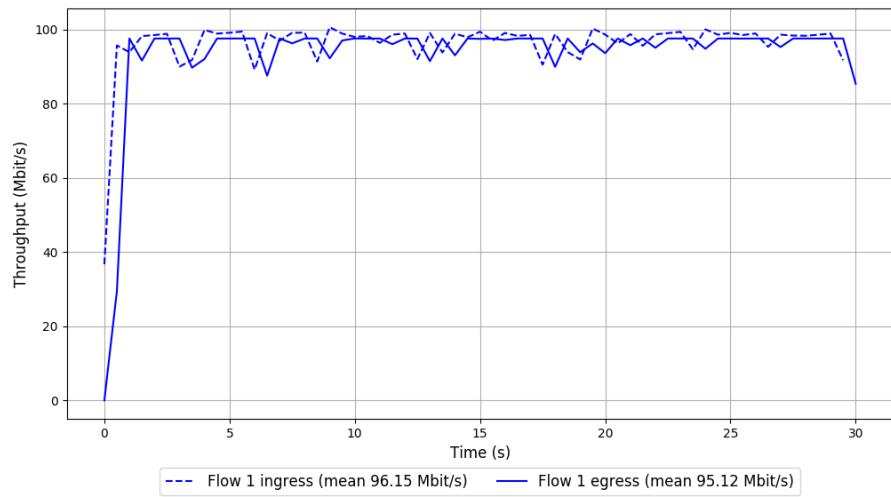


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-19 04:17:15
End at: 2018-06-19 04:17:45
Local clock offset: -0.477 ms
Remote clock offset: -1.608 ms

# Below is generated by plot.py at 2018-06-19 05:14:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 37.617 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 37.617 ms
Loss rate: 1.25%
```

Run 8: Report of TCP BBR — Data Link

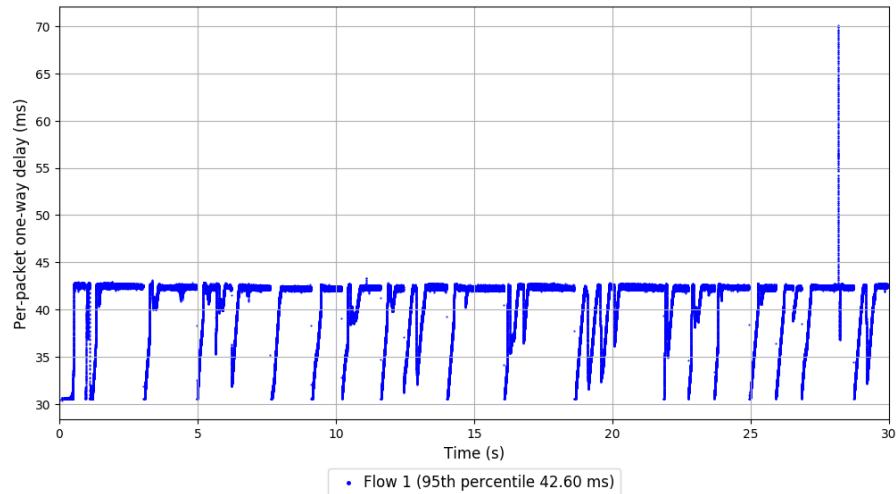
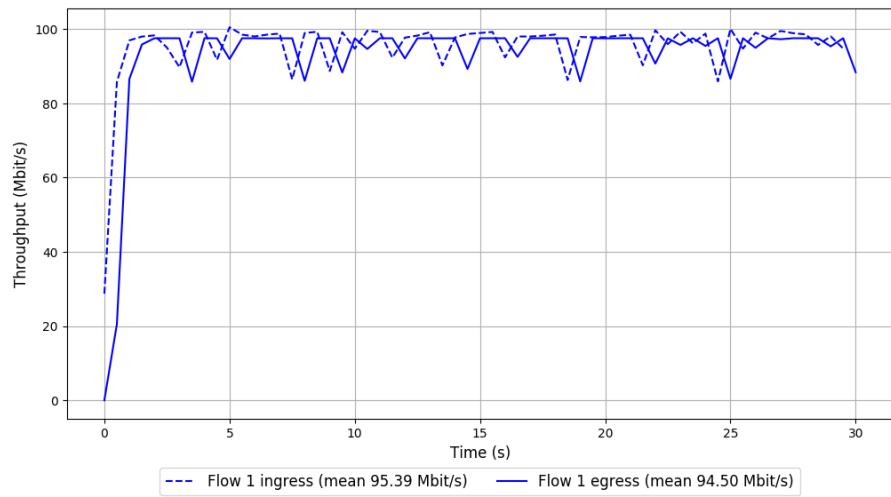


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-19 04:38:26
End at: 2018-06-19 04:38:56
Local clock offset: 0.56 ms
Remote clock offset: -1.032 ms

# Below is generated by plot.py at 2018-06-19 05:15:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 42.597 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 42.597 ms
Loss rate: 1.13%
```

Run 9: Report of TCP BBR — Data Link

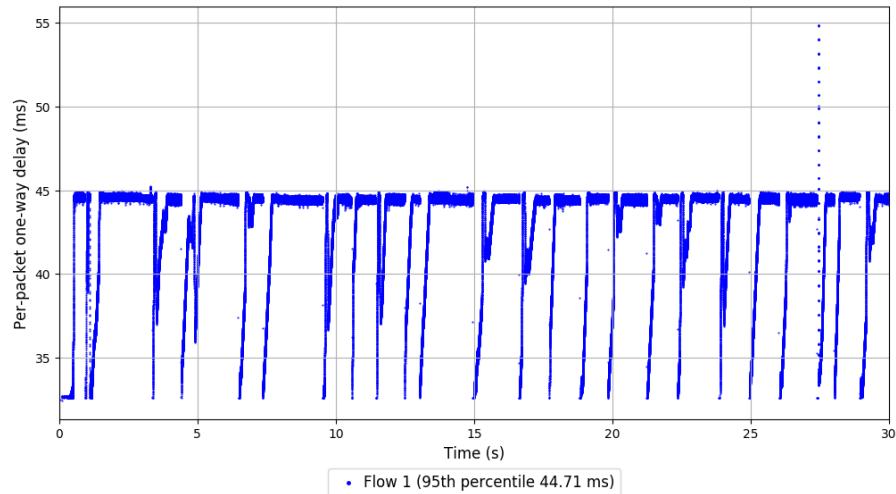
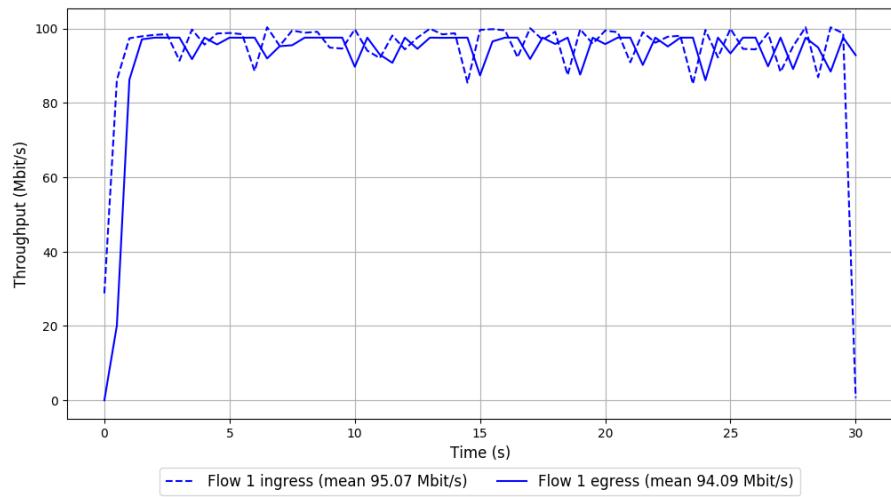


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-19 04:59:22
End at: 2018-06-19 04:59:52
Local clock offset: 0.91 ms
Remote clock offset: -2.682 ms

# Below is generated by plot.py at 2018-06-19 05:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 44.714 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 44.714 ms
Loss rate: 1.23%
```

Run 10: Report of TCP BBR — Data Link

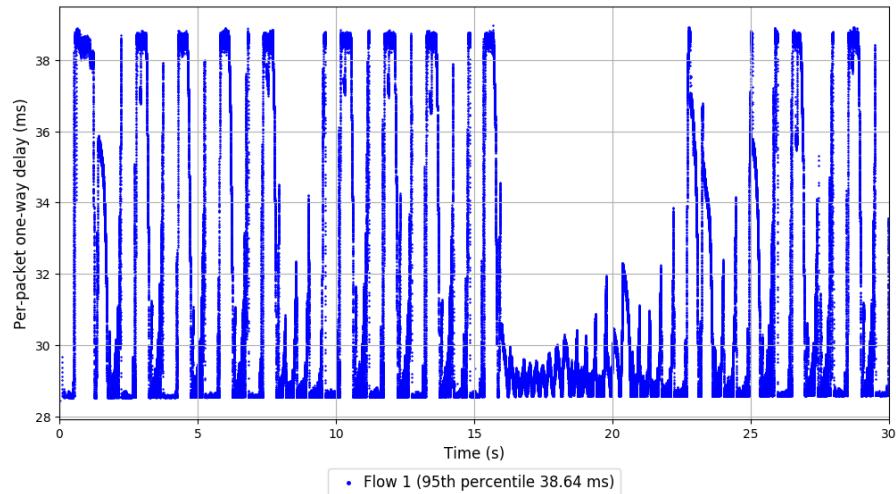
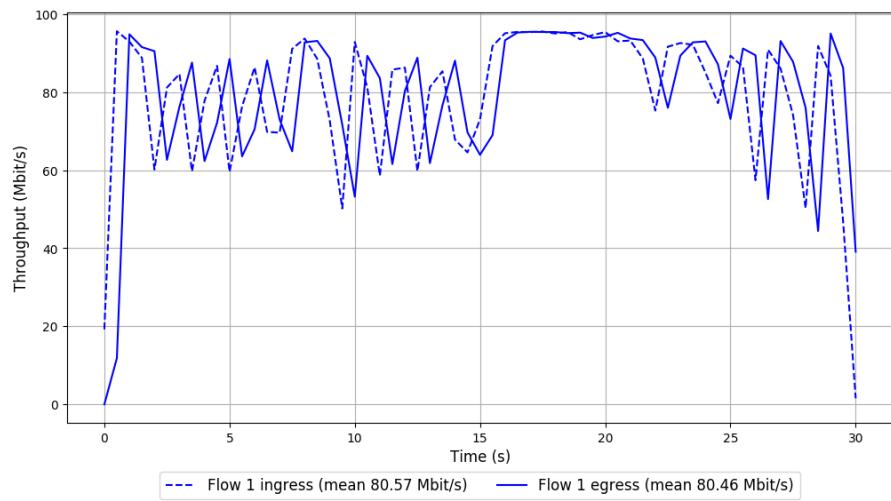


Run 1: Statistics of Copa

```
Start at: 2018-06-19 01:52:14
End at: 2018-06-19 01:52:44
Local clock offset: -2.708 ms
Remote clock offset: -2.092 ms

# Below is generated by plot.py at 2018-06-19 05:16:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 38.640 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 38.640 ms
Loss rate: 0.32%
```

Run 1: Report of Copa — Data Link

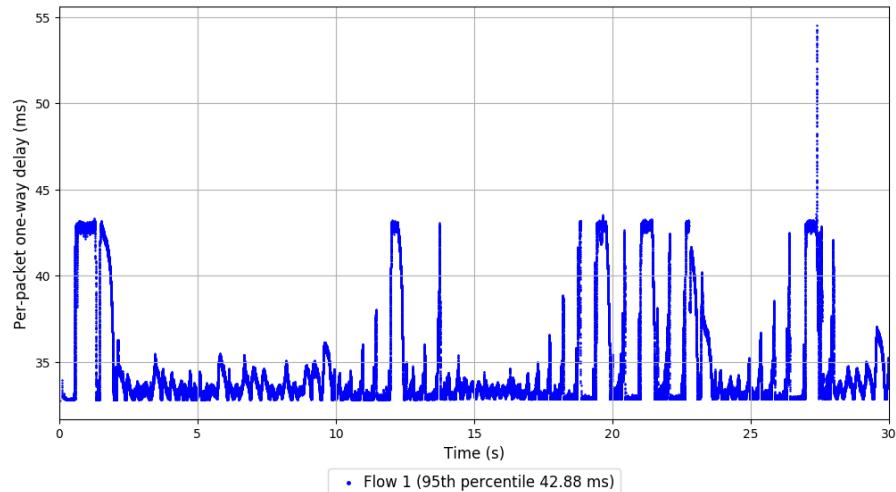
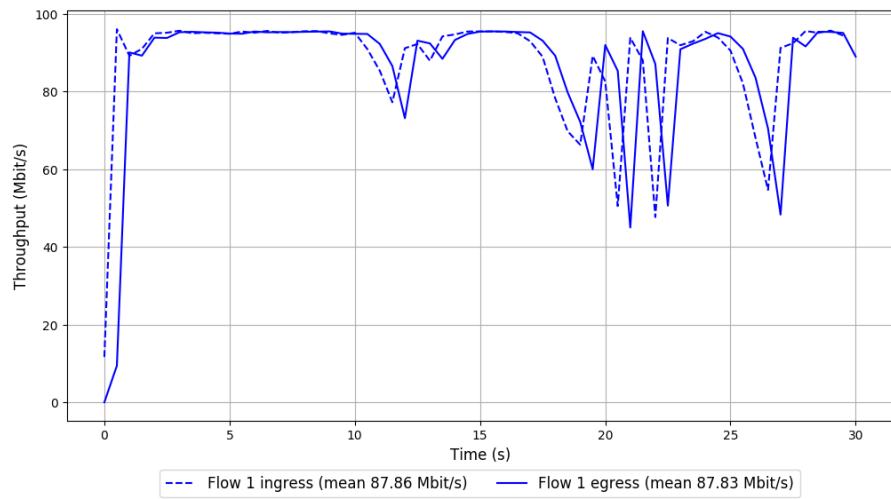


Run 2: Statistics of Copa

```
Start at: 2018-06-19 02:13:10
End at: 2018-06-19 02:13:40
Local clock offset: -4.022 ms
Remote clock offset: -1.337 ms

# Below is generated by plot.py at 2018-06-19 05:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 42.883 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 42.883 ms
Loss rate: 0.24%
```

Run 2: Report of Copa — Data Link

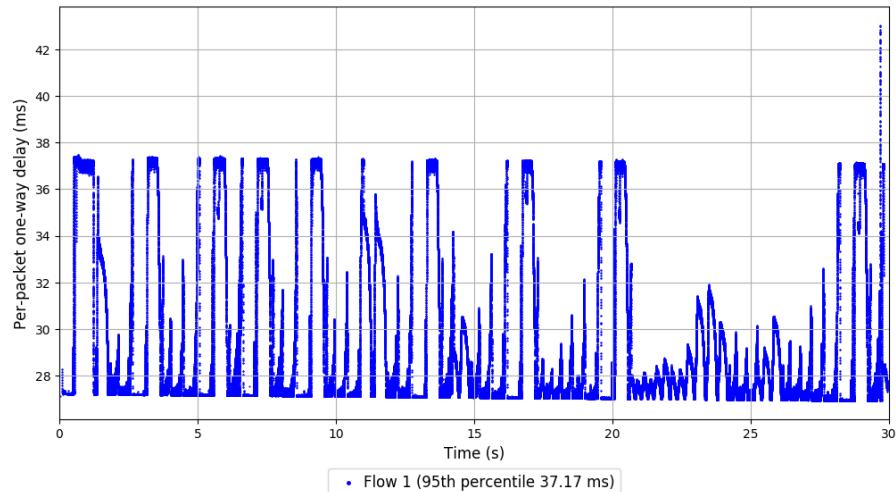
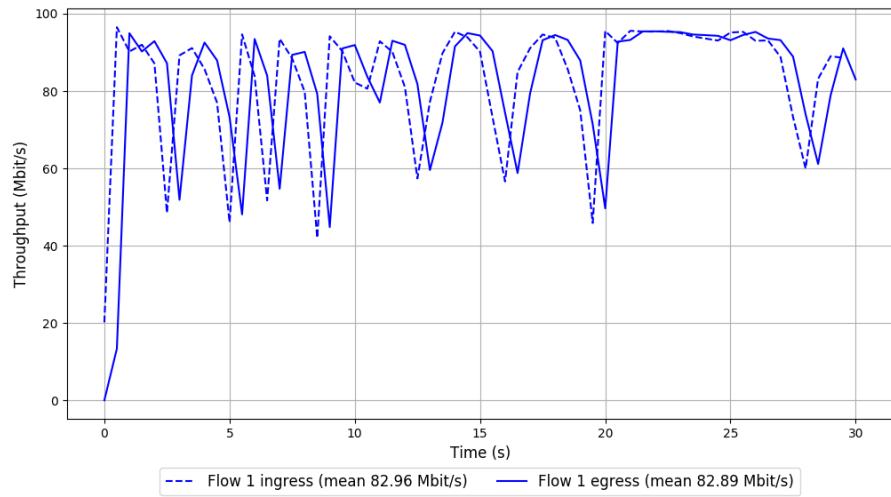


Run 3: Statistics of Copa

```
Start at: 2018-06-19 02:34:04
End at: 2018-06-19 02:34:34
Local clock offset: -5.073 ms
Remote clock offset: -0.389 ms

# Below is generated by plot.py at 2018-06-19 05:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.89 Mbit/s
95th percentile per-packet one-way delay: 37.168 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 82.89 Mbit/s
95th percentile per-packet one-way delay: 37.168 ms
Loss rate: 0.27%
```

Run 3: Report of Copa — Data Link

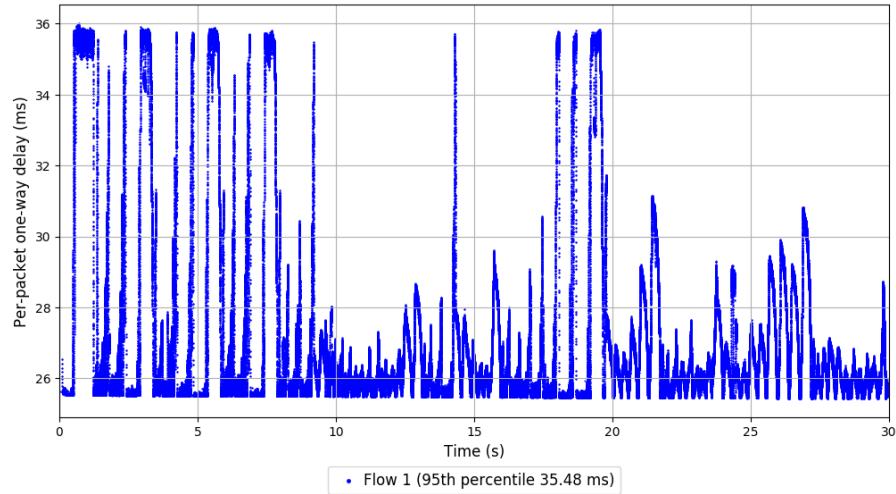
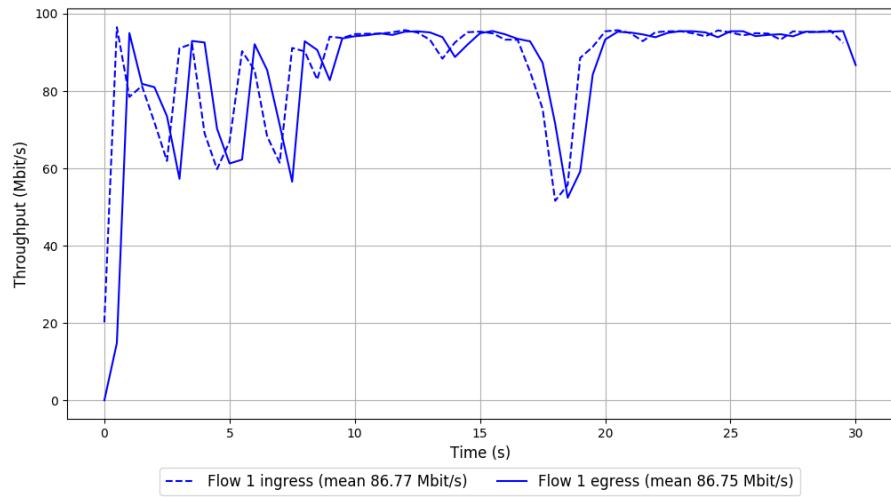


Run 4: Statistics of Copa

```
Start at: 2018-06-19 02:55:00
End at: 2018-06-19 02:55:30
Local clock offset: 0.865 ms
Remote clock offset: 0.775 ms

# Below is generated by plot.py at 2018-06-19 05:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 35.482 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 35.482 ms
Loss rate: 0.21%
```

Run 4: Report of Copa — Data Link

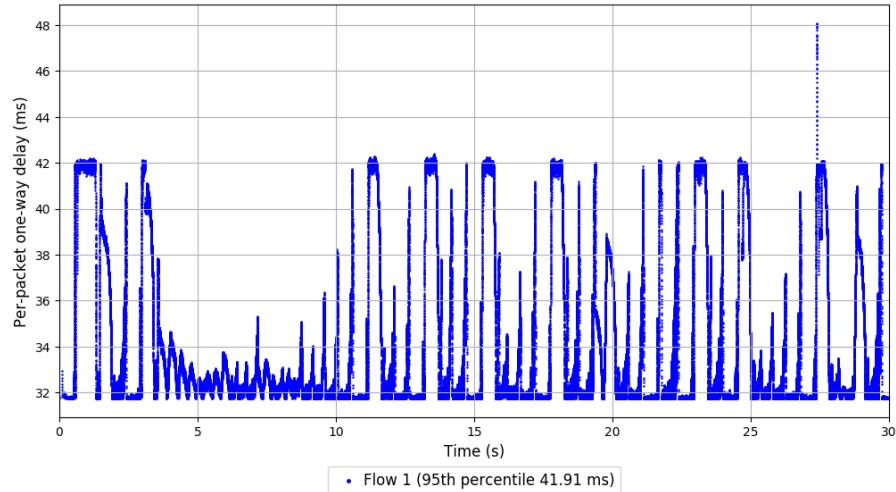
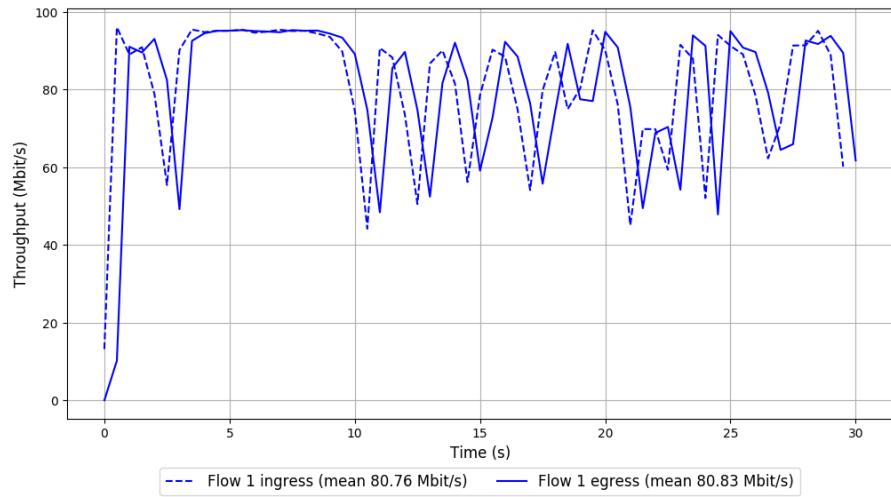


Run 5: Statistics of Copa

```
Start at: 2018-06-19 03:15:54
End at: 2018-06-19 03:16:24
Local clock offset: 1.239 ms
Remote clock offset: -2.026 ms

# Below is generated by plot.py at 2018-06-19 05:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 41.911 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 41.911 ms
Loss rate: 0.11%
```

Run 5: Report of Copa — Data Link

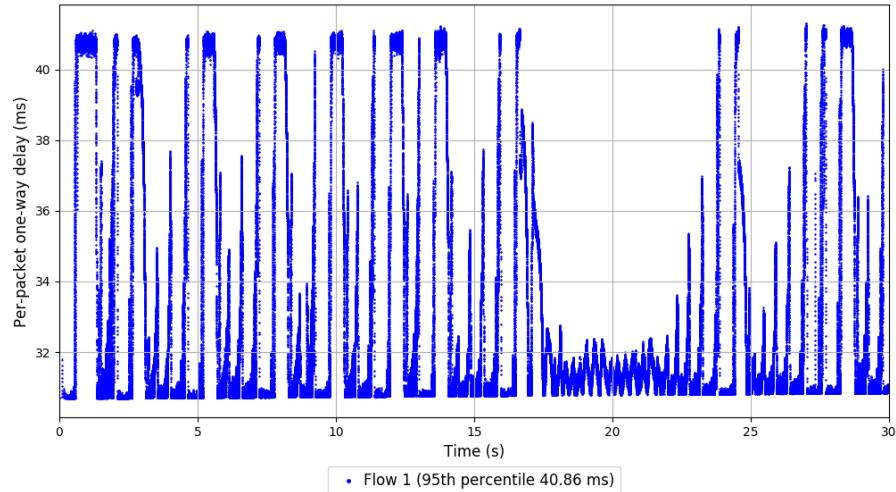
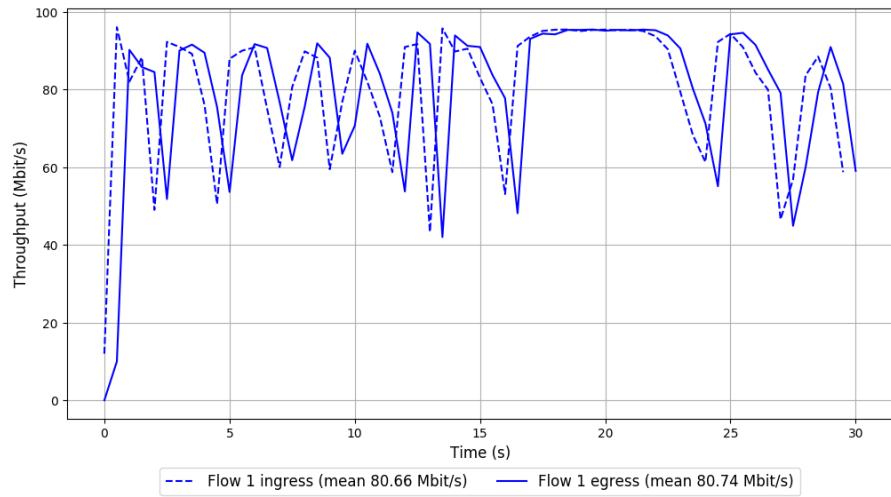


Run 6: Statistics of Copa

```
Start at: 2018-06-19 03:36:48
End at: 2018-06-19 03:37:18
Local clock offset: 0.476 ms
Remote clock offset: -0.392 ms

# Below is generated by plot.py at 2018-06-19 05:16:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 40.860 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 40.860 ms
Loss rate: 0.10%
```

Run 6: Report of Copa — Data Link

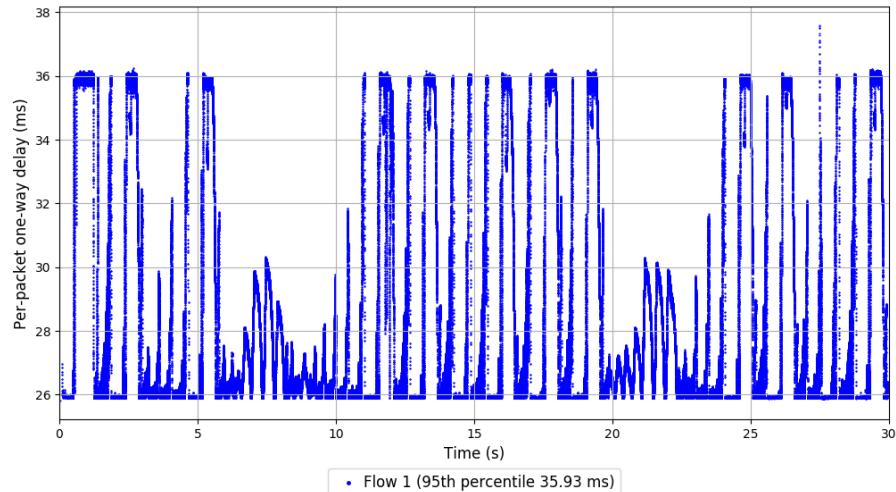
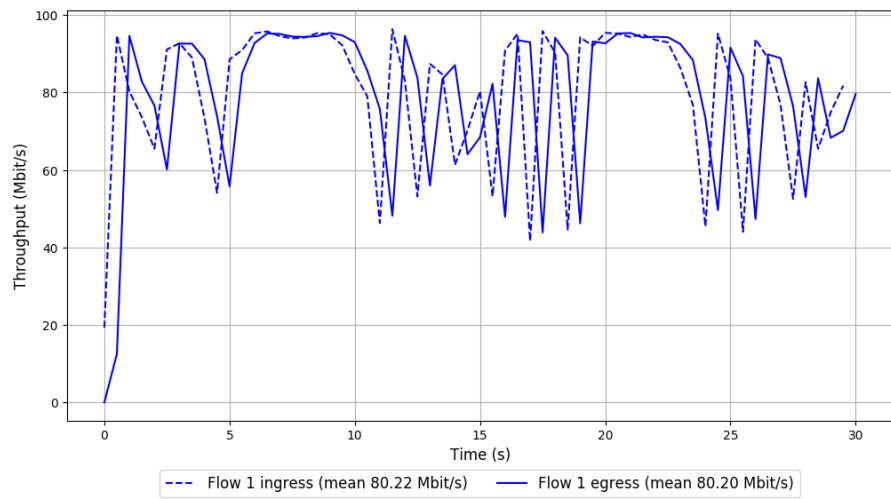


Run 7: Statistics of Copa

```
Start at: 2018-06-19 03:57:41
End at: 2018-06-19 03:58:11
Local clock offset: -2.676 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2018-06-19 05:17:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 35.929 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 35.929 ms
Loss rate: 0.21%
```

Run 7: Report of Copa — Data Link

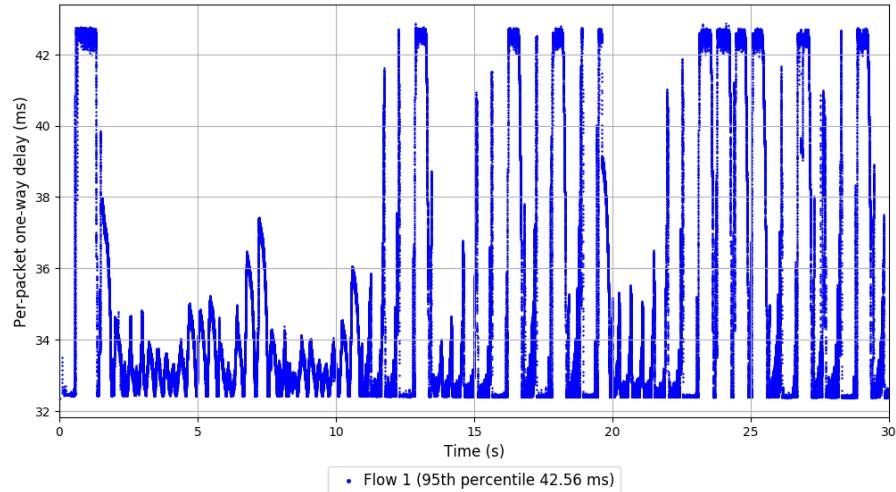
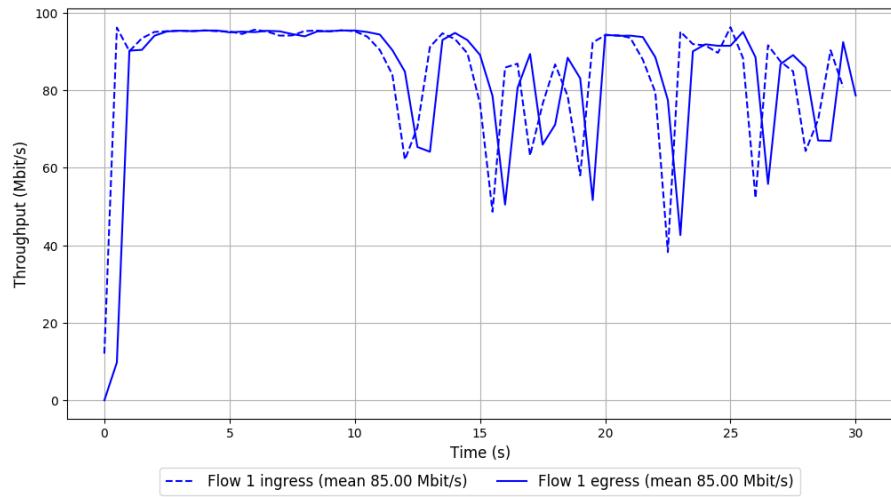


Run 8: Statistics of Copa

```
Start at: 2018-06-19 04:18:35
End at: 2018-06-19 04:19:05
Local clock offset: -0.261 ms
Remote clock offset: -3.64 ms

# Below is generated by plot.py at 2018-06-19 05:17:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 42.564 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 42.564 ms
Loss rate: 0.19%
```

Run 8: Report of Copa — Data Link

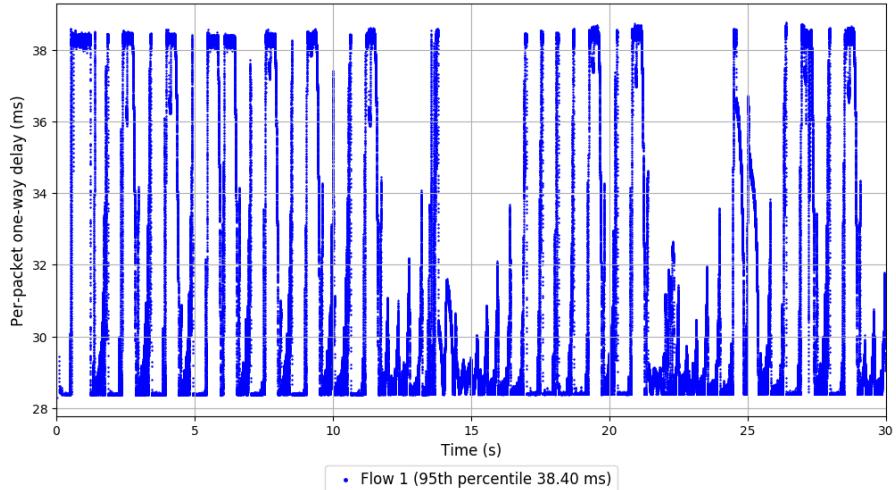
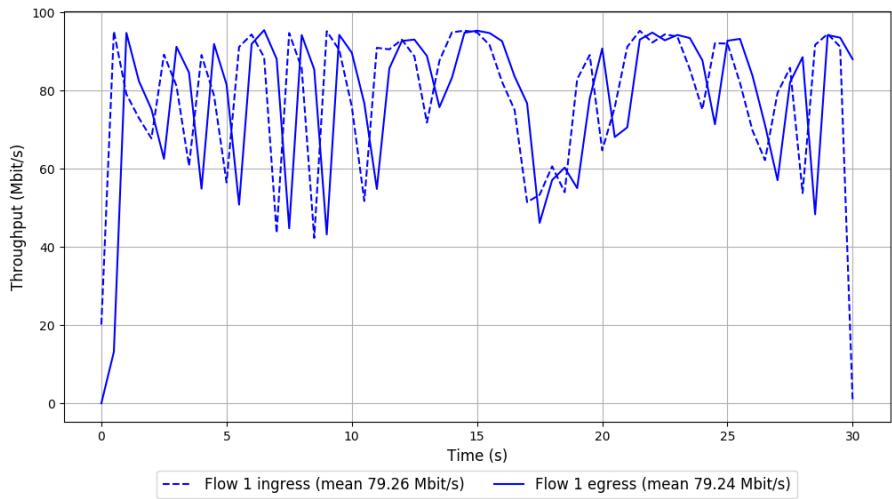


Run 9: Statistics of Copa

```
Start at: 2018-06-19 04:39:45
End at: 2018-06-19 04:40:15
Local clock offset: 0.468 ms
Remote clock offset: -2.981 ms

# Below is generated by plot.py at 2018-06-19 05:18:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 38.399 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 38.399 ms
Loss rate: 0.21%
```

Run 9: Report of Copa — Data Link

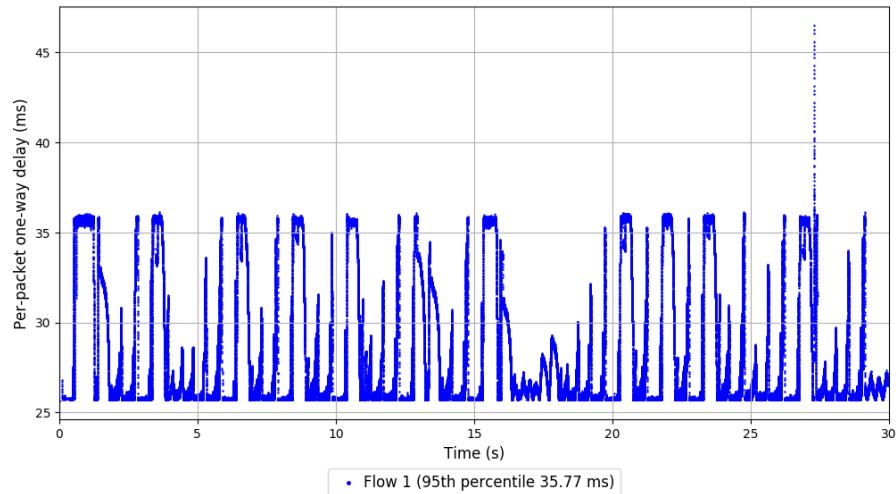
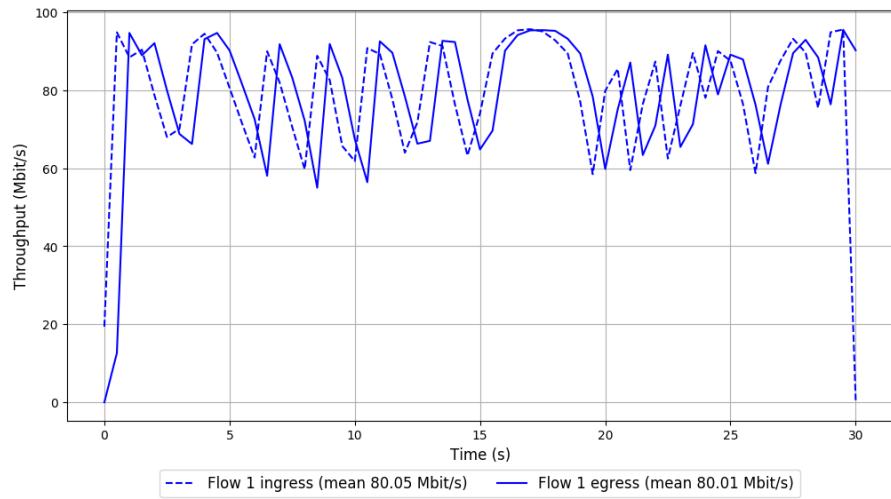


Run 10: Statistics of Copa

```
Start at: 2018-06-19 05:00:42
End at: 2018-06-19 05:01:12
Local clock offset: 0.845 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-19 05:18:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 35.765 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 35.765 ms
Loss rate: 0.24%
```

Run 10: Report of Copa — Data Link

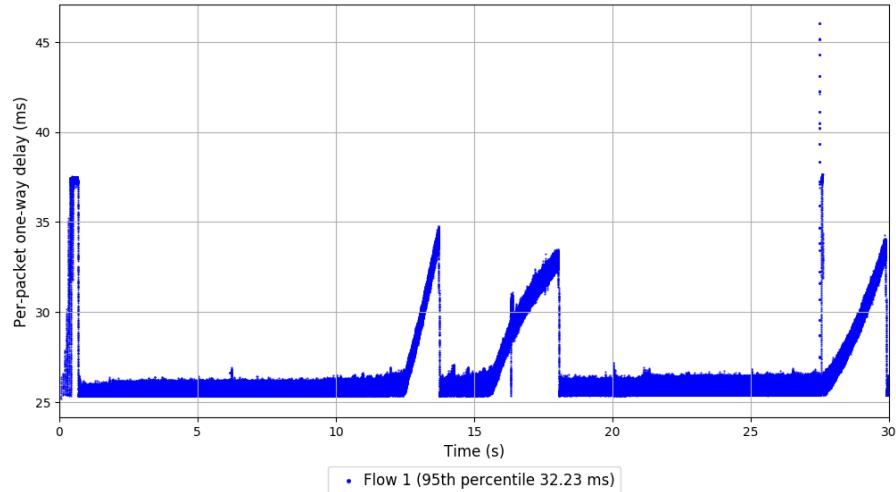
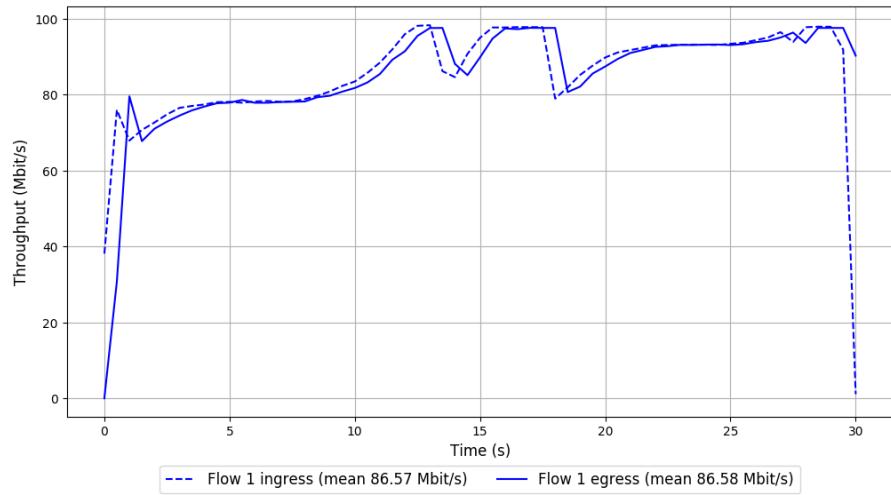


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-19 01:56:13
End at: 2018-06-19 01:56:43
Local clock offset: -3.038 ms
Remote clock offset: 0.536 ms

# Below is generated by plot.py at 2018-06-19 05:18:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 32.229 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 32.229 ms
Loss rate: 0.17%
```

Run 1: Report of TCP Cubic — Data Link

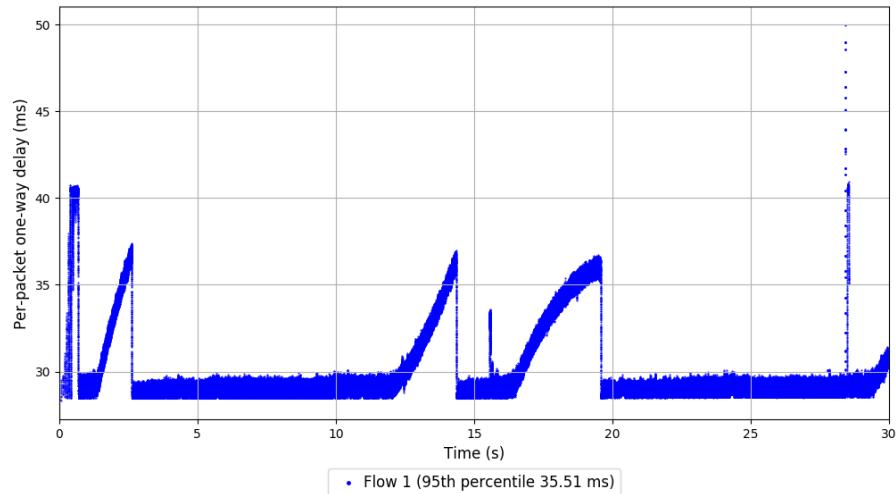
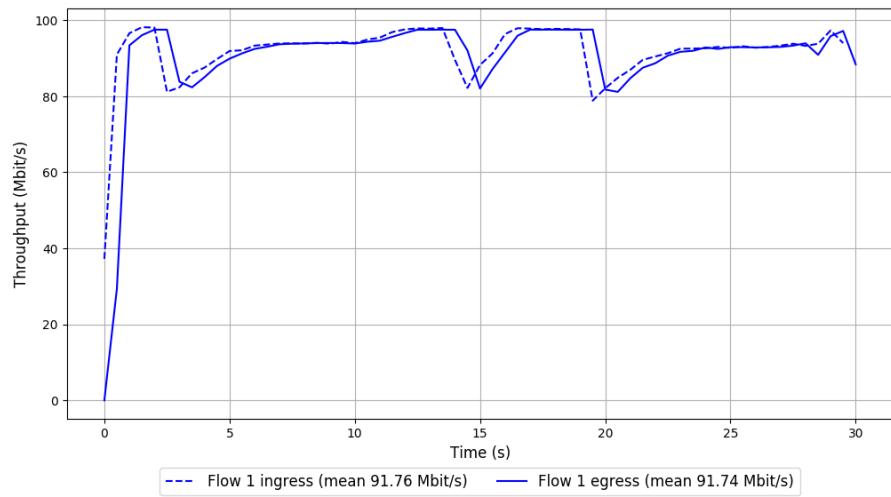


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-19 02:17:09
End at: 2018-06-19 02:17:39
Local clock offset: -4.146 ms
Remote clock offset: -1.177 ms

# Below is generated by plot.py at 2018-06-19 05:18:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 35.509 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 35.509 ms
Loss rate: 0.21%
```

Run 2: Report of TCP Cubic — Data Link

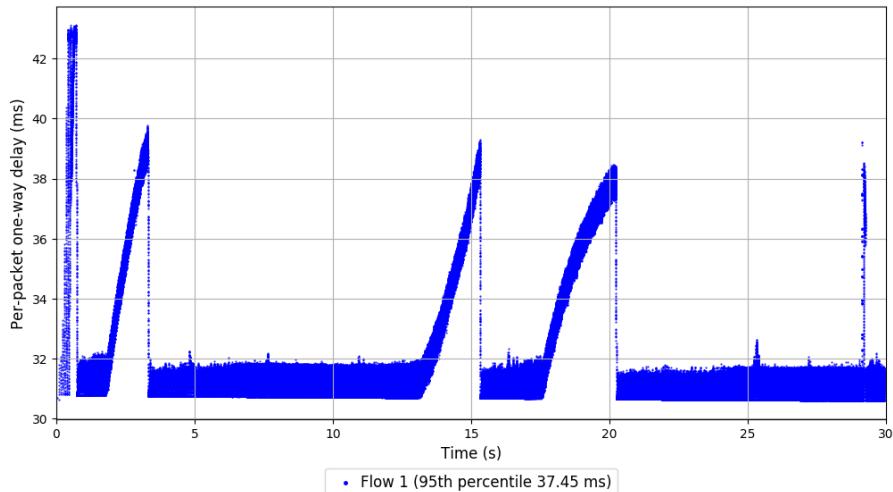
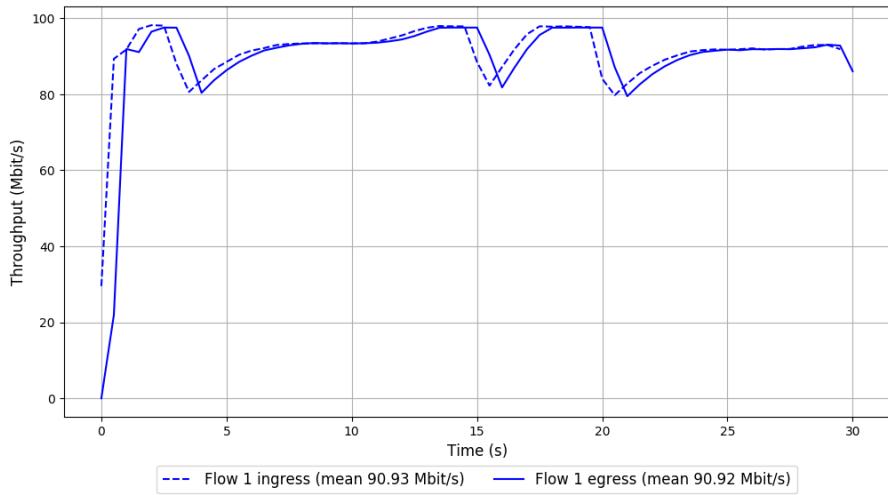


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-19 02:38:04
End at: 2018-06-19 02:38:34
Local clock offset: -2.713 ms
Remote clock offset: 2.163 ms

# Below is generated by plot.py at 2018-06-19 05:18:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 37.448 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 37.448 ms
Loss rate: 0.22%
```

Run 3: Report of TCP Cubic — Data Link

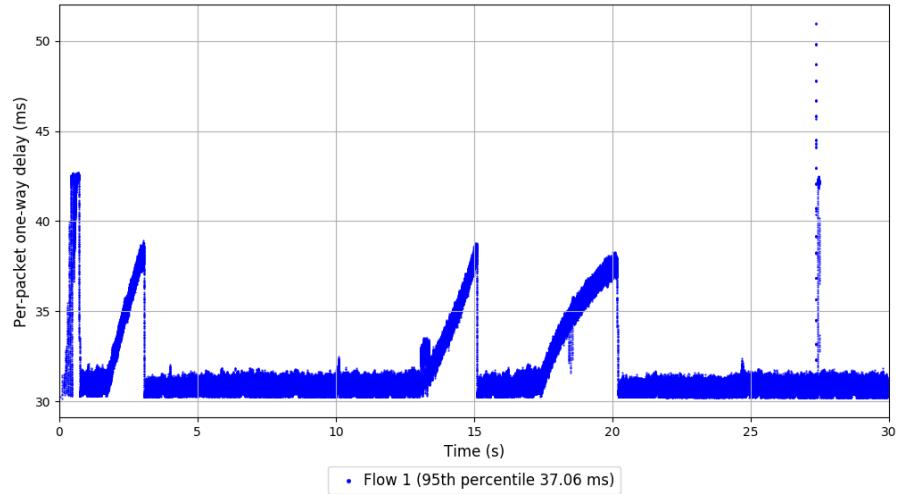
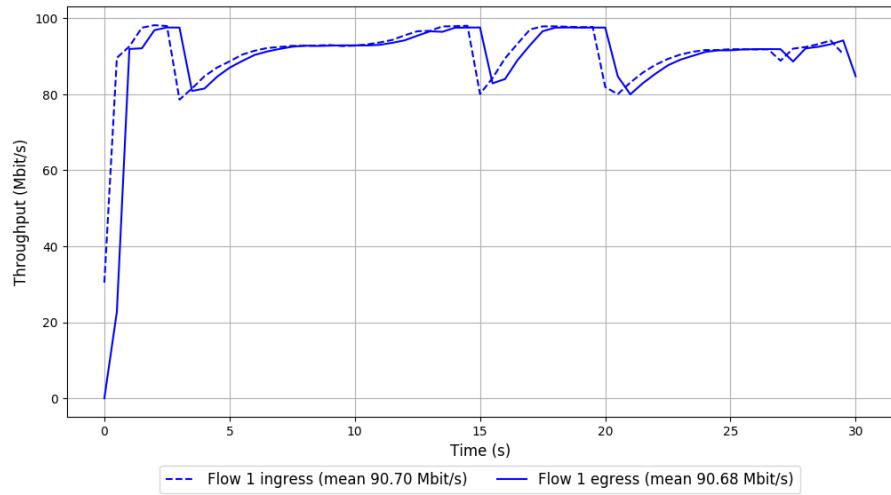


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-19 02:58:59
End at: 2018-06-19 02:59:29
Local clock offset: 1.353 ms
Remote clock offset: 0.868 ms

# Below is generated by plot.py at 2018-06-19 05:18:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 37.056 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 37.056 ms
Loss rate: 0.22%
```

Run 4: Report of TCP Cubic — Data Link

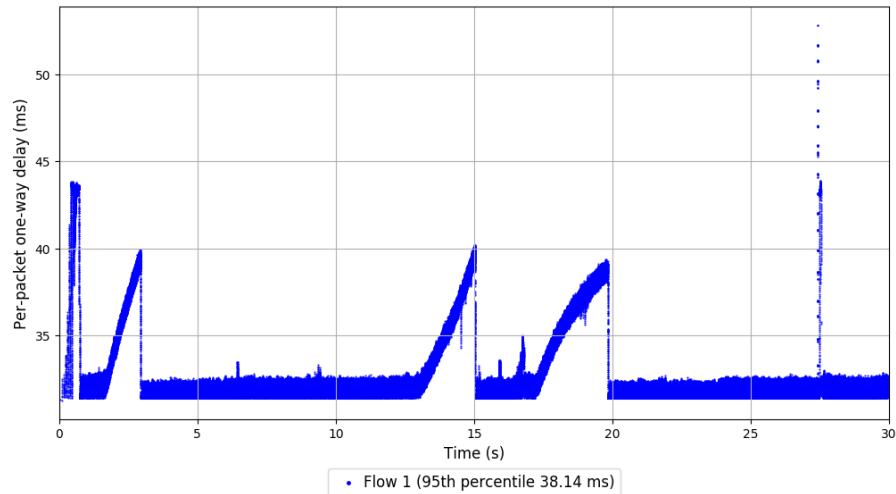
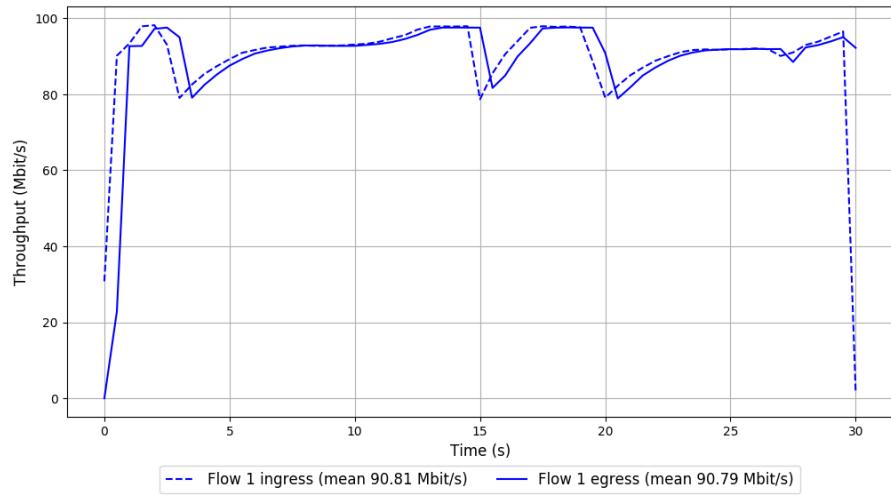


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-19 03:19:52
End at: 2018-06-19 03:20:22
Local clock offset: 1.265 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-06-19 05:18:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 38.141 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 38.141 ms
Loss rate: 0.22%
```

Run 5: Report of TCP Cubic — Data Link

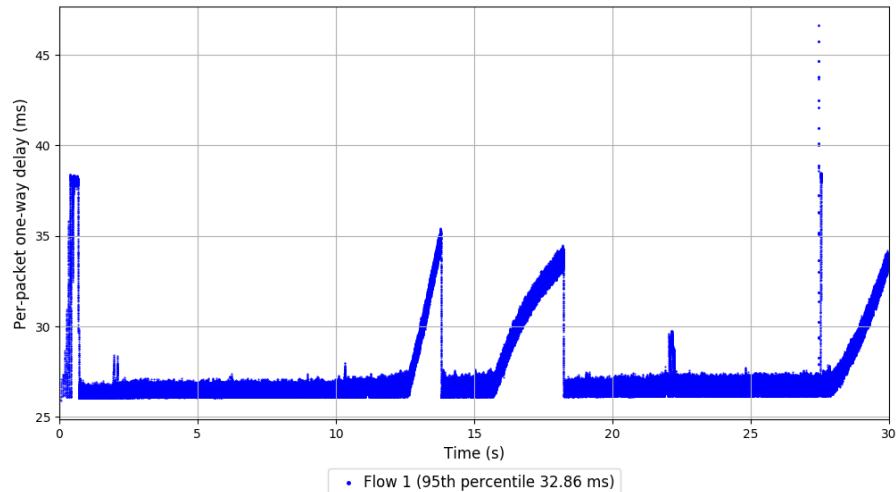
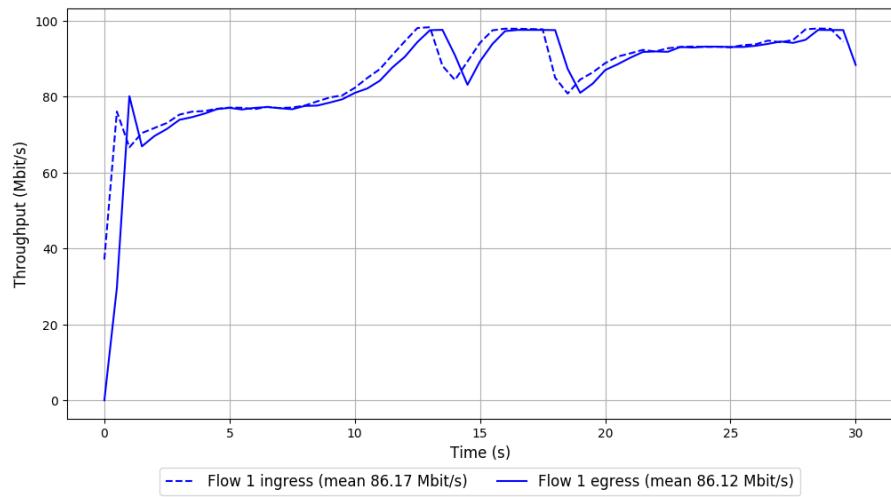


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-19 03:40:47
End at: 2018-06-19 03:41:17
Local clock offset: -0.852 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-06-19 05:18:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 32.856 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 32.856 ms
Loss rate: 0.24%
```

Run 6: Report of TCP Cubic — Data Link

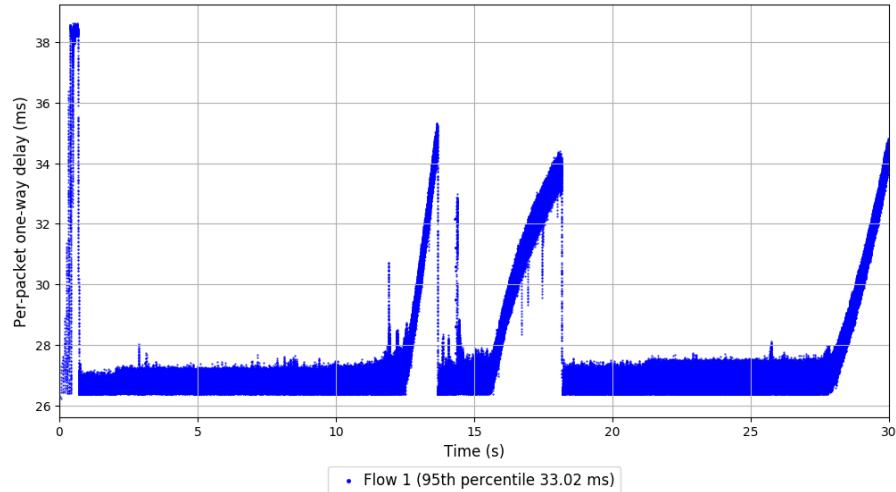
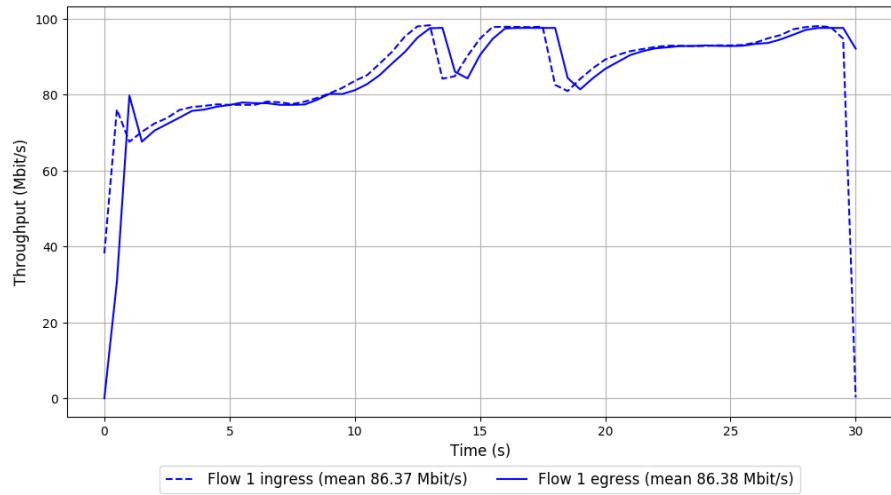


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-19 04:01:39
End at: 2018-06-19 04:02:09
Local clock offset: -2.819 ms
Remote clock offset: -1.12 ms

# Below is generated by plot.py at 2018-06-19 05:18:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 33.022 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 33.022 ms
Loss rate: 0.18%
```

Run 7: Report of TCP Cubic — Data Link

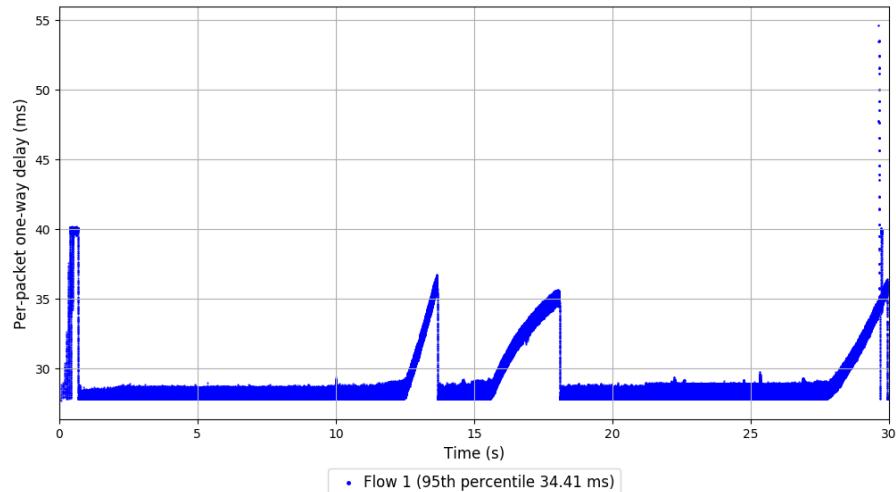
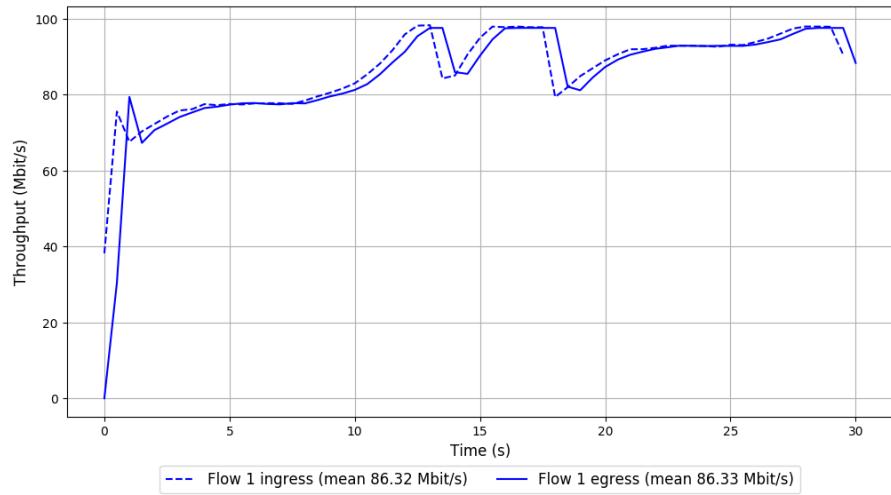


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-19 04:22:49
End at: 2018-06-19 04:23:19
Local clock offset: 0.036 ms
Remote clock offset: -3.831 ms

# Below is generated by plot.py at 2018-06-19 05:18:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 34.415 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 34.415 ms
Loss rate: 0.17%
```

Run 8: Report of TCP Cubic — Data Link

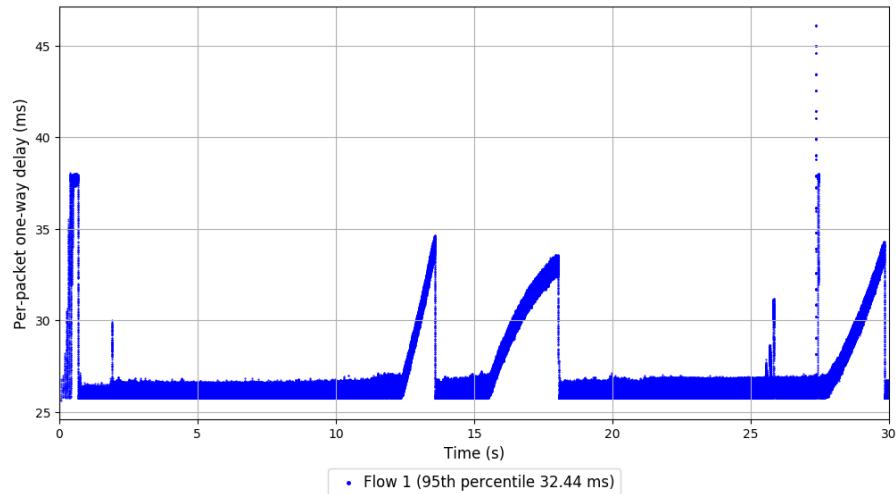
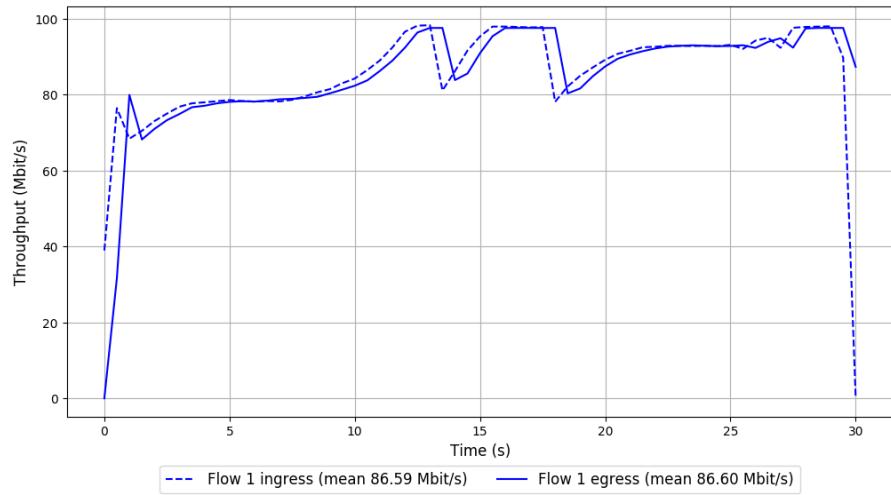


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-19 04:43:45
End at: 2018-06-19 04:44:15
Local clock offset: 0.599 ms
Remote clock offset: -0.795 ms

# Below is generated by plot.py at 2018-06-19 05:18:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 32.440 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 32.440 ms
Loss rate: 0.17%
```

Run 9: Report of TCP Cubic — Data Link

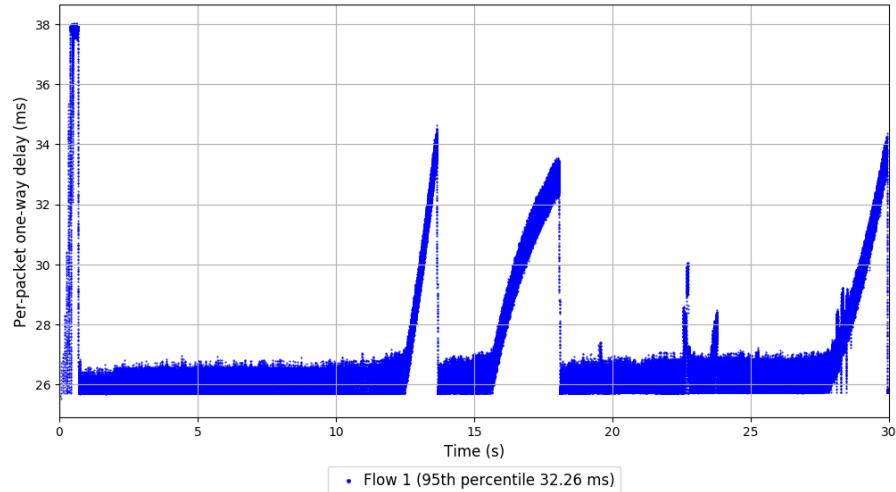
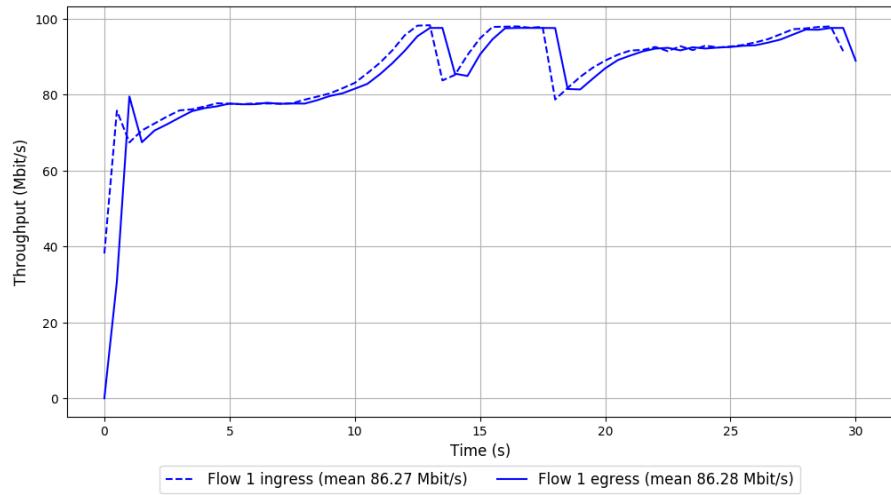


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-19 05:04:41
End at: 2018-06-19 05:05:11
Local clock offset: 0.931 ms
Remote clock offset: -0.516 ms

# Below is generated by plot.py at 2018-06-19 05:18:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.28 Mbit/s
95th percentile per-packet one-way delay: 32.255 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 86.28 Mbit/s
95th percentile per-packet one-way delay: 32.255 ms
Loss rate: 0.17%
```

Run 10: Report of TCP Cubic — Data Link

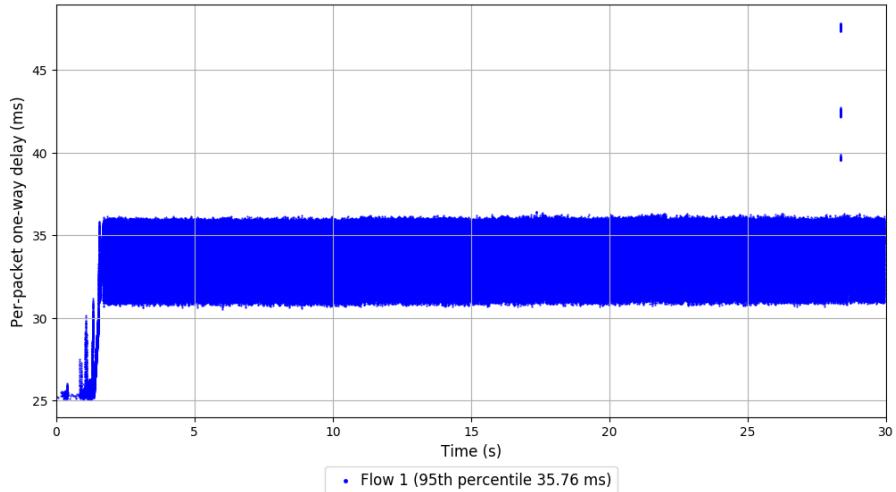
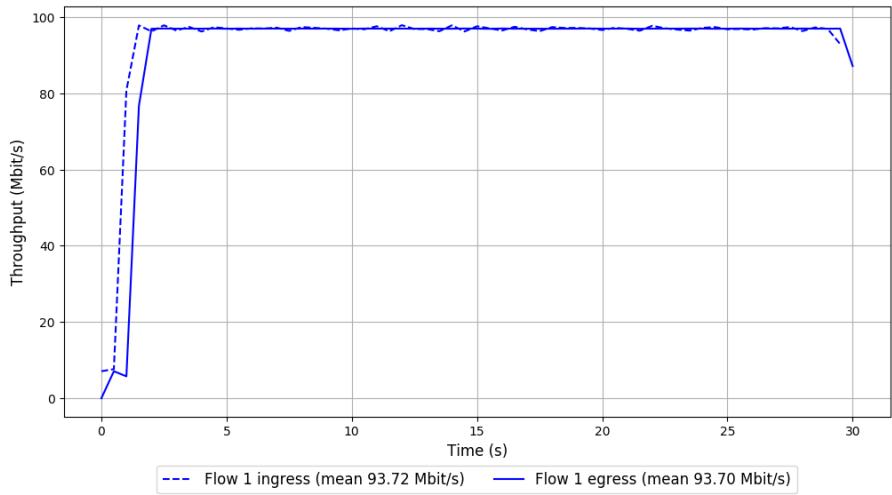


```
Run 1: Statistics of FillP
```

```
Start at: 2018-06-19 01:44:20
End at: 2018-06-19 01:44:50
Local clock offset: -1.968 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-06-19 05:19:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 35.762 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 35.762 ms
Loss rate: 0.22%
```

Run 1: Report of FillP — Data Link

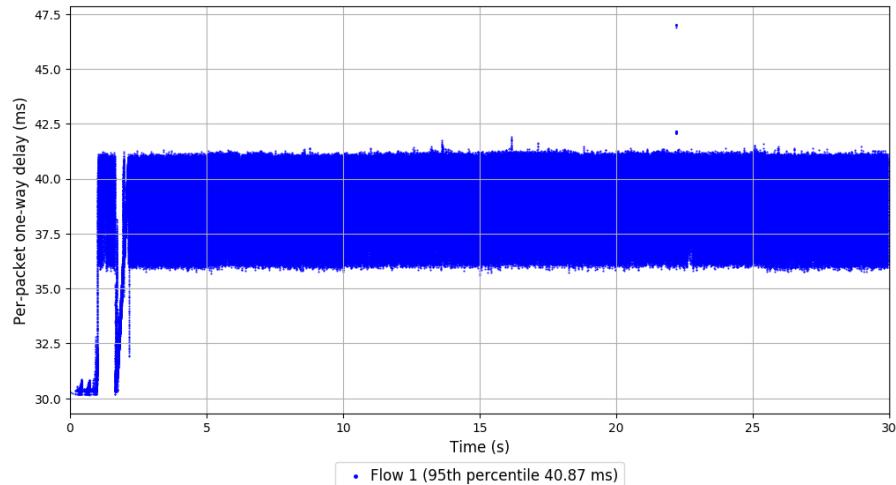
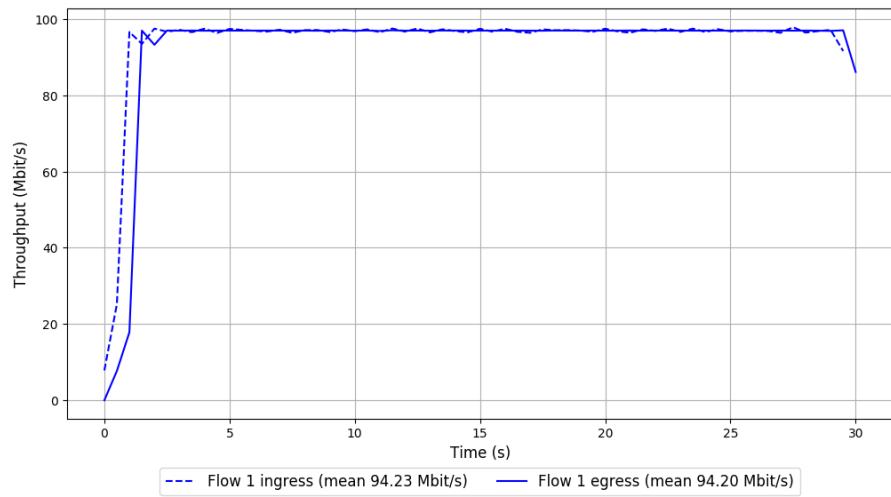


Run 2: Statistics of FillP

```
Start at: 2018-06-19 02:05:16
End at: 2018-06-19 02:05:46
Local clock offset: -3.565 ms
Remote clock offset: 0.874 ms

# Below is generated by plot.py at 2018-06-19 05:19:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 40.867 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 40.867 ms
Loss rate: 0.23%
```

Run 2: Report of FillP — Data Link

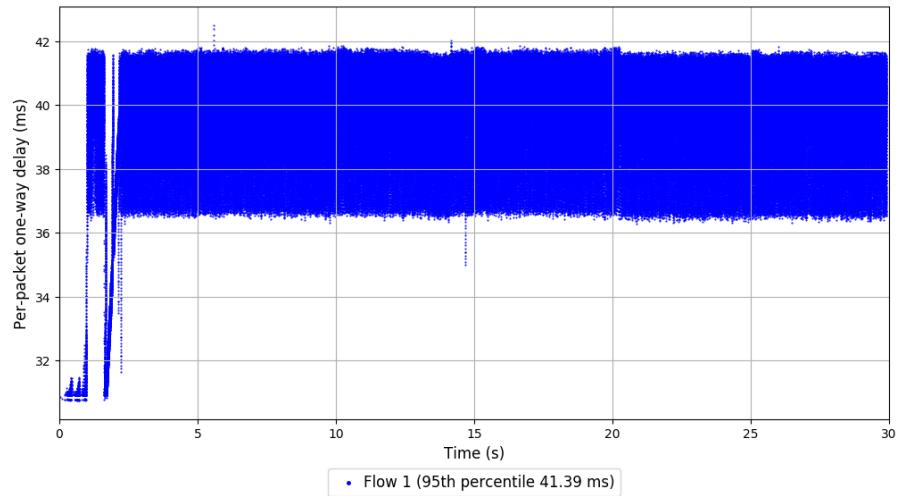
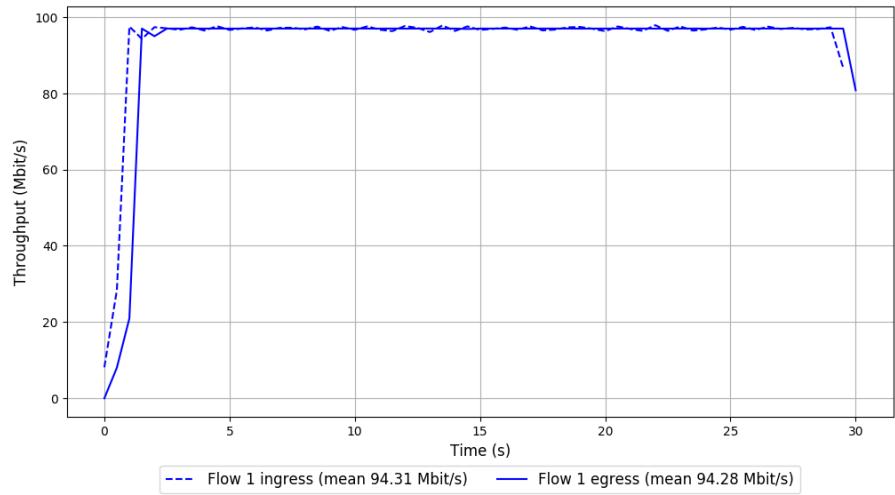


Run 3: Statistics of FillP

```
Start at: 2018-06-19 02:26:11
End at: 2018-06-19 02:26:41
Local clock offset: -4.63 ms
Remote clock offset: 1.741 ms

# Below is generated by plot.py at 2018-06-19 05:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 41.389 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 41.389 ms
Loss rate: 0.24%
```

Run 3: Report of FillP — Data Link

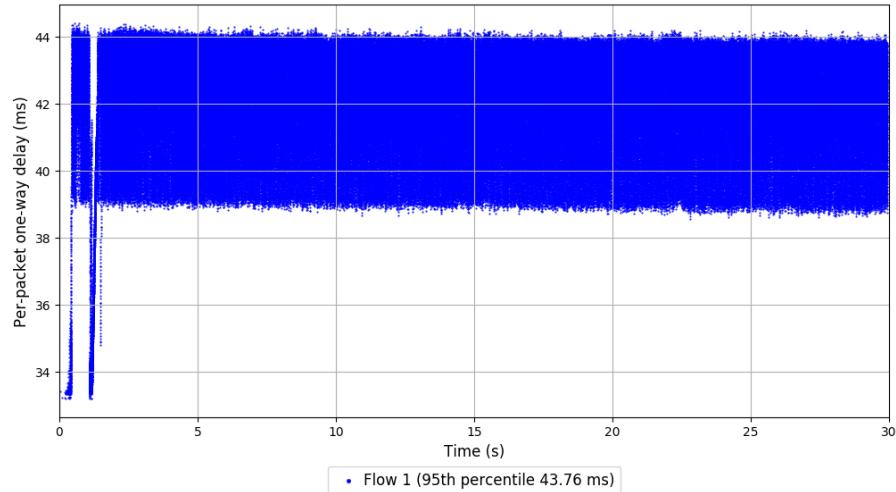
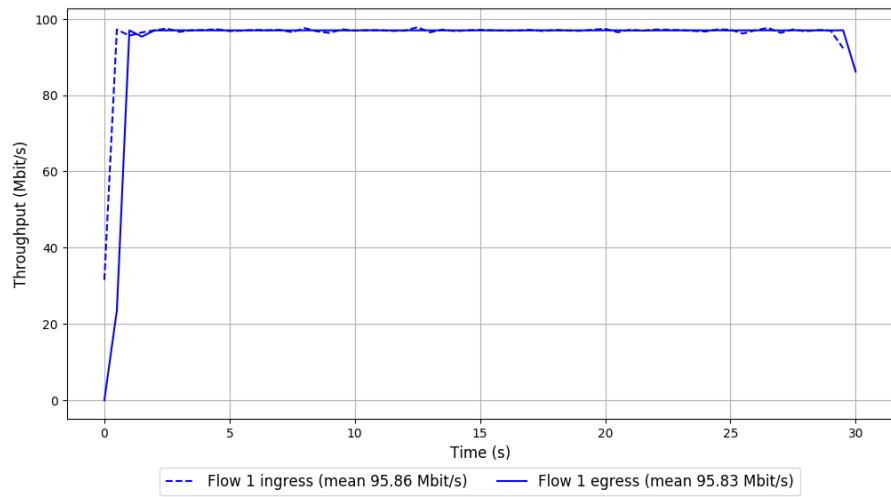


Run 4: Statistics of FillP

```
Start at: 2018-06-19 02:47:06
End at: 2018-06-19 02:47:36
Local clock offset: -0.115 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-06-19 05:19:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 43.758 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 43.758 ms
Loss rate: 0.24%
```

Run 4: Report of FillP — Data Link

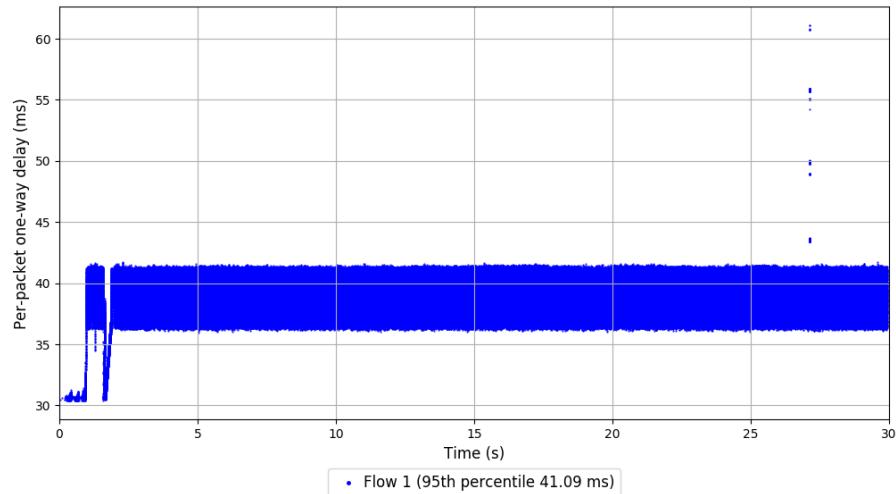
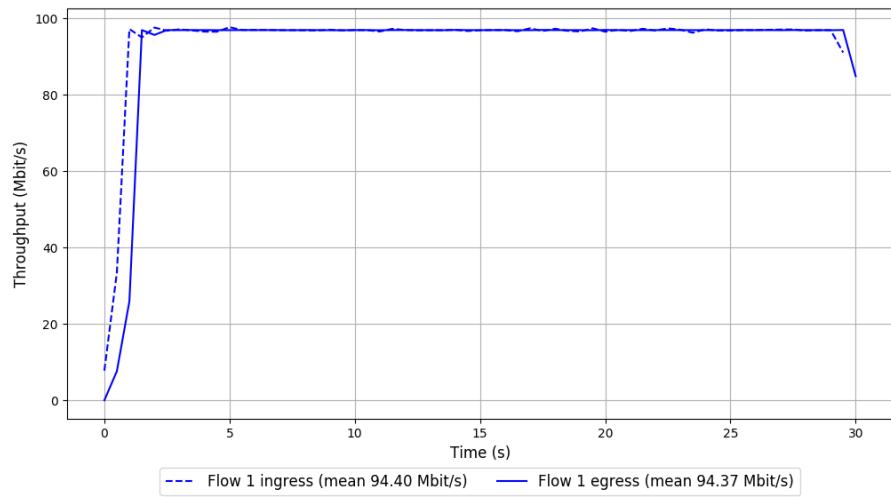


Run 5: Statistics of FillP

```
Start at: 2018-06-19 03:08:00
End at: 2018-06-19 03:08:30
Local clock offset: 1.421 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2018-06-19 05:19:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 41.092 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 41.092 ms
Loss rate: 0.24%
```

Run 5: Report of FillP — Data Link

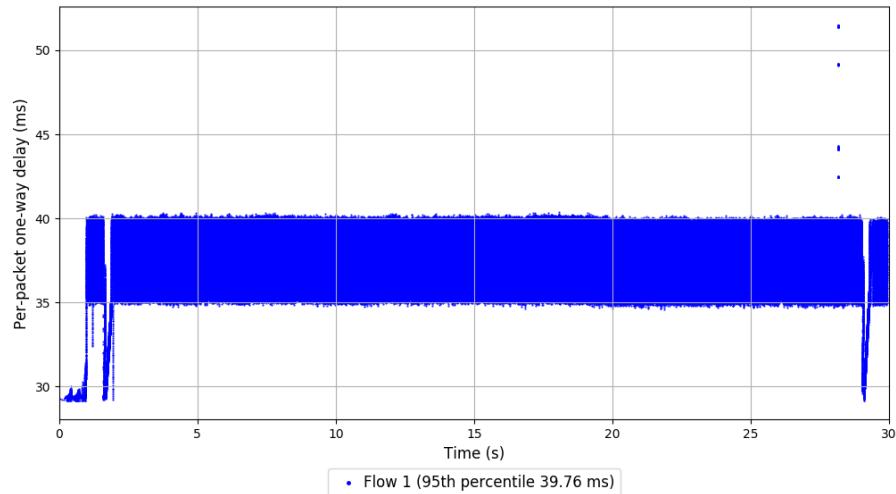
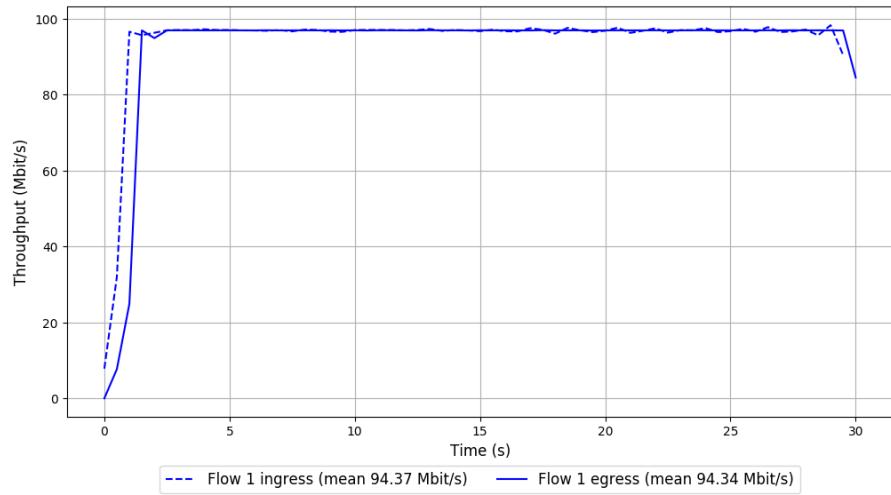


Run 6: Statistics of FillP

```
Start at: 2018-06-19 03:28:54
End at: 2018-06-19 03:29:24
Local clock offset: 1.474 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2018-06-19 05:20:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 39.761 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 39.761 ms
Loss rate: 0.23%
```

Run 6: Report of FillP — Data Link

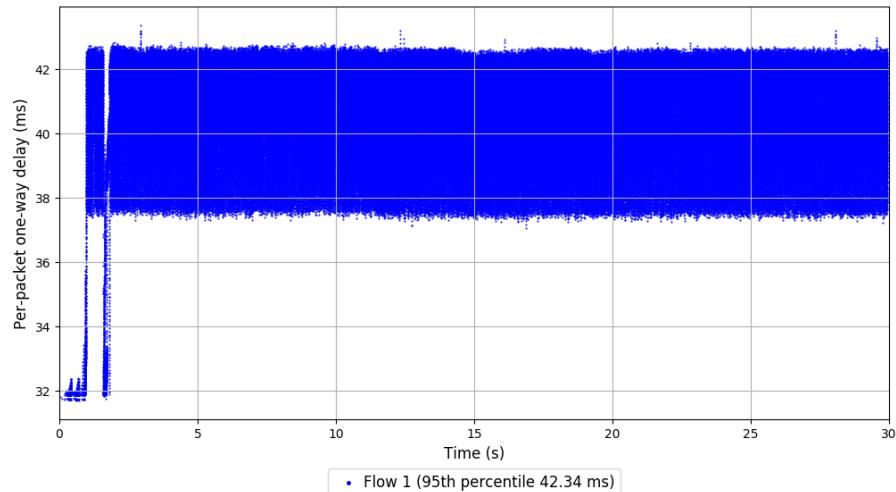
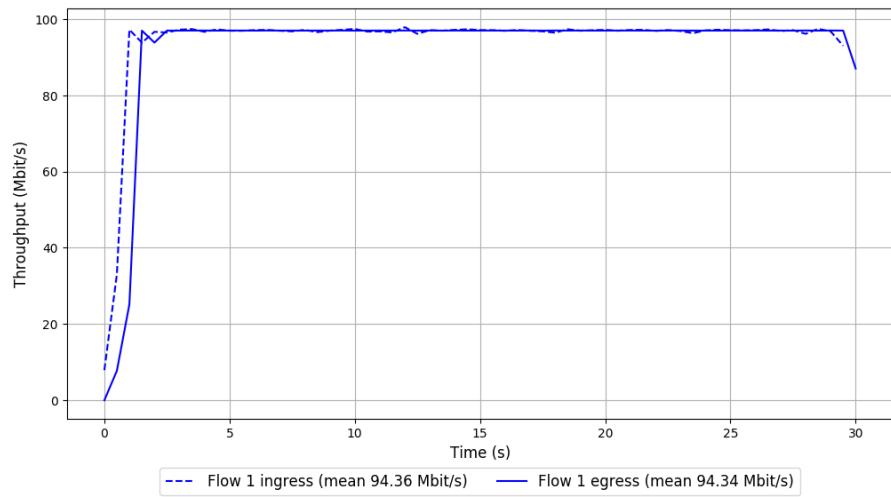


Run 7: Statistics of FillP

```
Start at: 2018-06-19 03:49:47
End at: 2018-06-19 03:50:17
Local clock offset: -2.205 ms
Remote clock offset: -2.704 ms

# Below is generated by plot.py at 2018-06-19 05:20:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 42.340 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 42.340 ms
Loss rate: 0.24%
```

Run 7: Report of FillP — Data Link

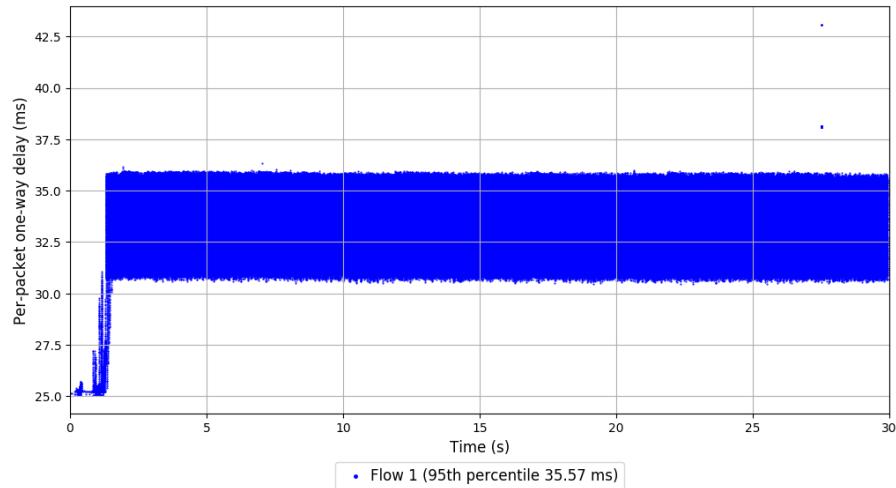
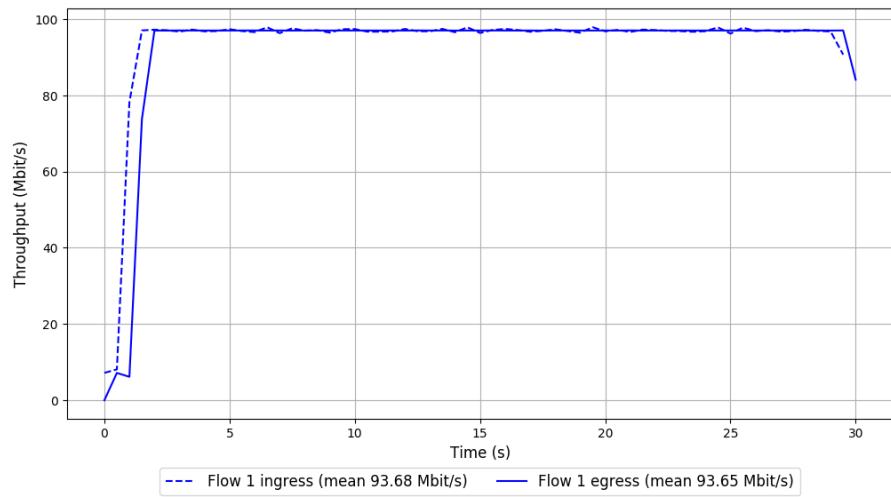


Run 8: Statistics of FillP

```
Start at: 2018-06-19 04:10:40
End at: 2018-06-19 04:11:10
Local clock offset: -1.243 ms
Remote clock offset: -0.965 ms

# Below is generated by plot.py at 2018-06-19 05:20:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 35.567 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 35.567 ms
Loss rate: 0.22%
```

Run 8: Report of FillP — Data Link

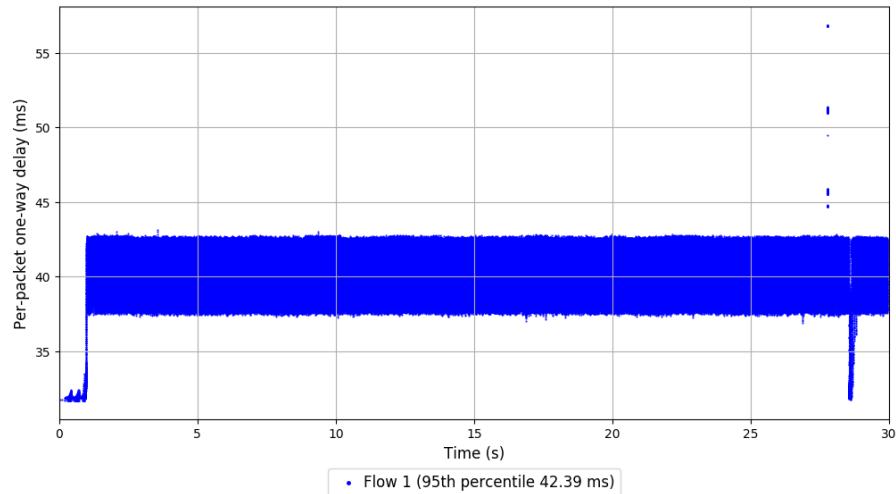
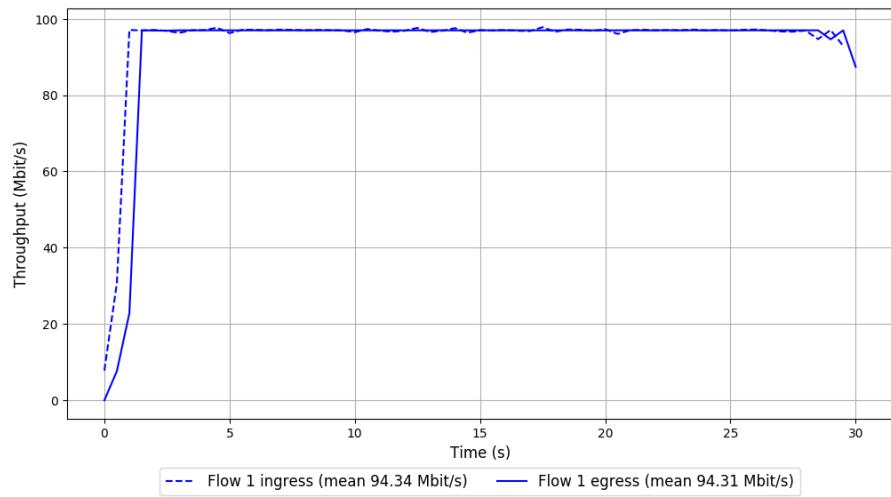


Run 9: Statistics of FillP

```
Start at: 2018-06-19 04:31:51
End at: 2018-06-19 04:32:21
Local clock offset: 0.487 ms
Remote clock offset: -3.575 ms

# Below is generated by plot.py at 2018-06-19 05:21:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 42.390 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 42.390 ms
Loss rate: 0.23%
```

Run 9: Report of FillP — Data Link

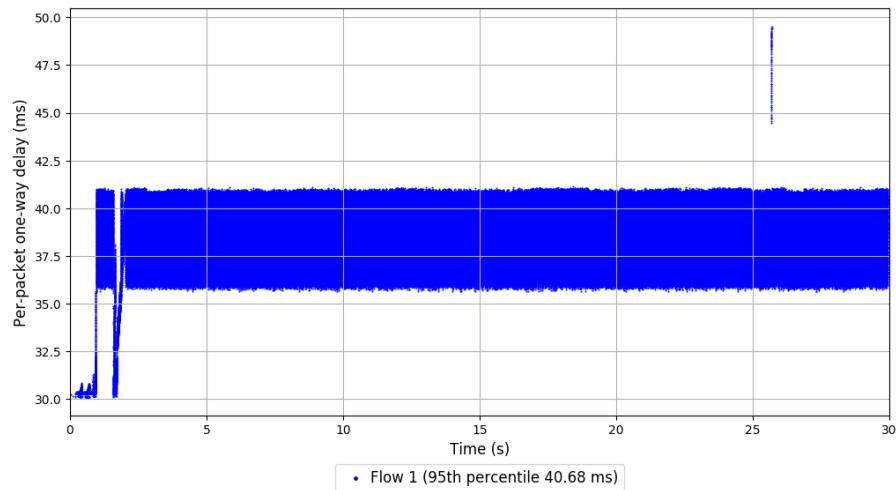
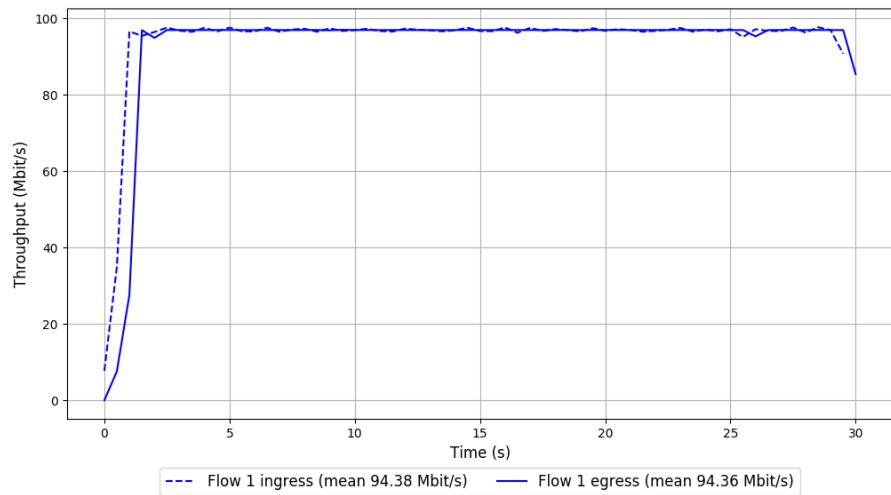


Run 10: Statistics of FillP

```
Start at: 2018-06-19 04:52:47
End at: 2018-06-19 04:53:17
Local clock offset: 0.765 ms
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2018-06-19 05:21:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 40.680 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 40.680 ms
Loss rate: 0.23%
```

Run 10: Report of FillP — Data Link

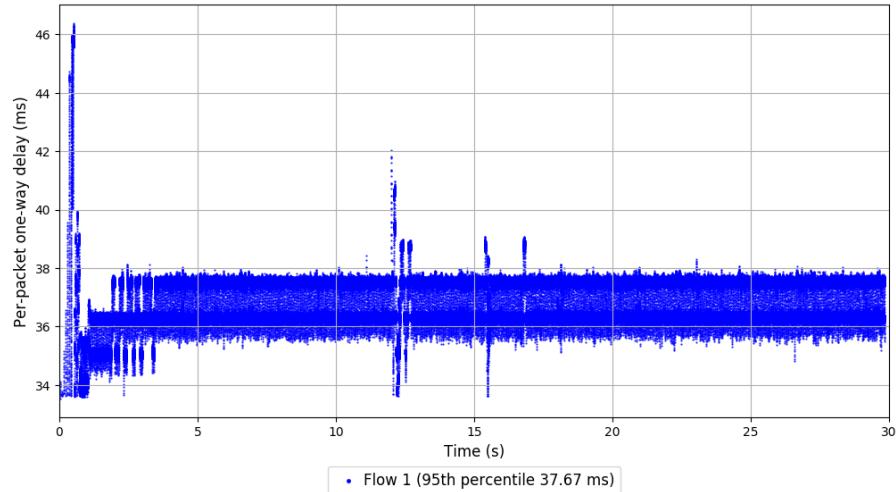
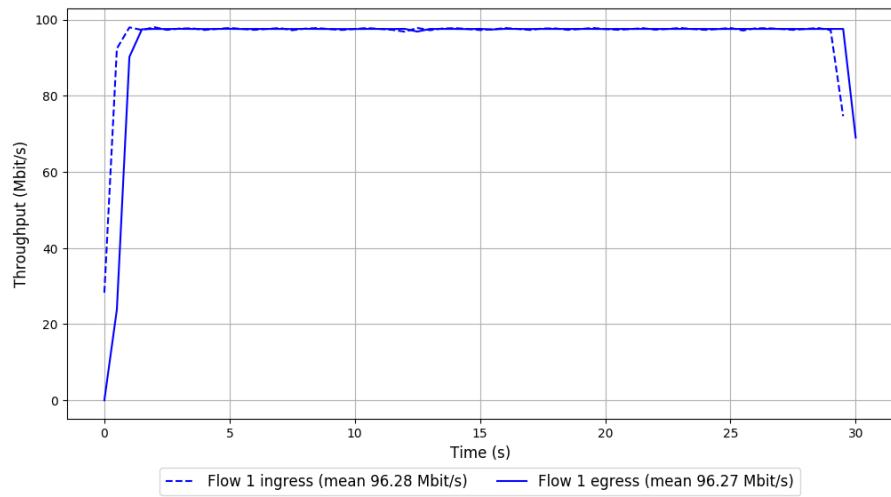


Run 1: Statistics of Indigo

```
Start at: 2018-06-19 02:01:26
End at: 2018-06-19 02:01:56
Local clock offset: -3.337 ms
Remote clock offset: -1.782 ms

# Below is generated by plot.py at 2018-06-19 05:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 37.671 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 37.671 ms
Loss rate: 0.22%
```

Run 1: Report of Indigo — Data Link

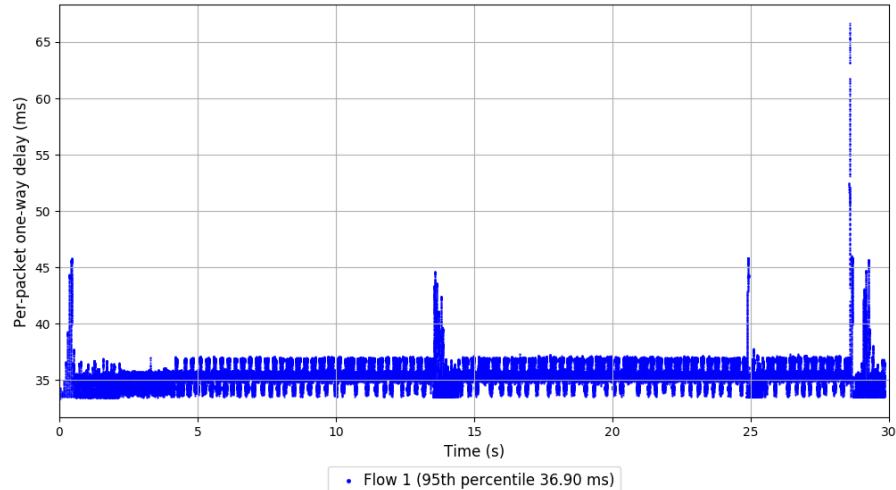
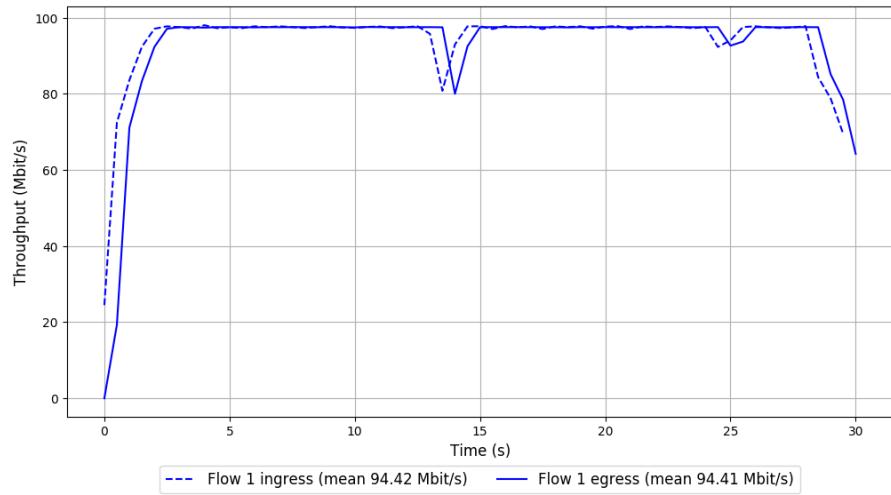


Run 2: Statistics of Indigo

```
Start at: 2018-06-19 02:22:21
End at: 2018-06-19 02:22:51
Local clock offset: -4.466 ms
Remote clock offset: -0.984 ms

# Below is generated by plot.py at 2018-06-19 05:21:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 36.903 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 36.903 ms
Loss rate: 0.21%
```

Run 2: Report of Indigo — Data Link

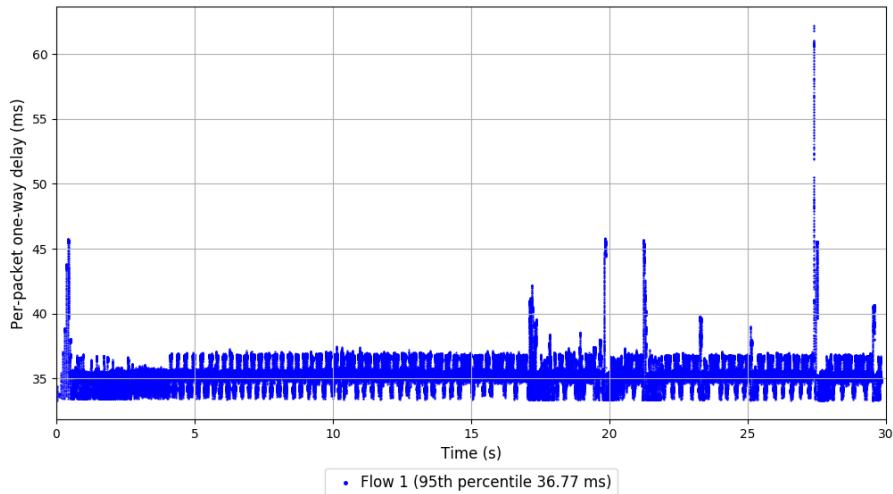
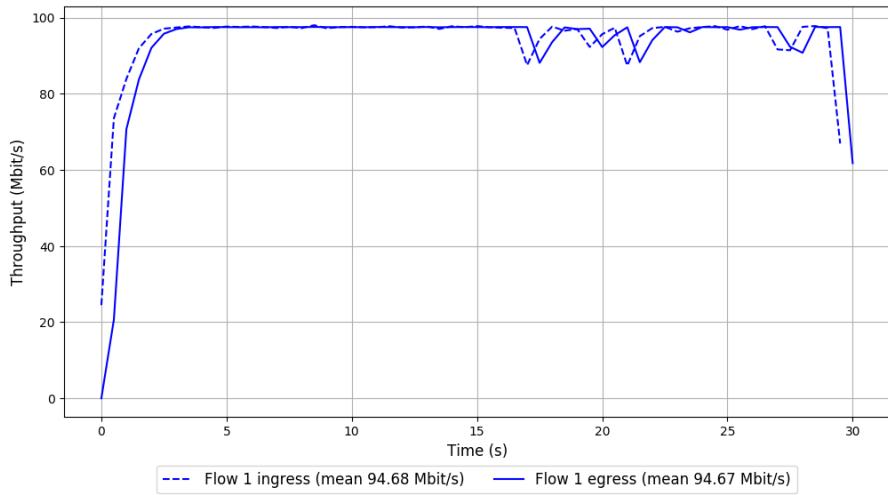


Run 3: Statistics of Indigo

```
Start at: 2018-06-19 02:43:16
End at: 2018-06-19 02:43:46
Local clock offset: -0.986 ms
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2018-06-19 05:21:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 36.773 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 36.773 ms
Loss rate: 0.21%
```

Run 3: Report of Indigo — Data Link

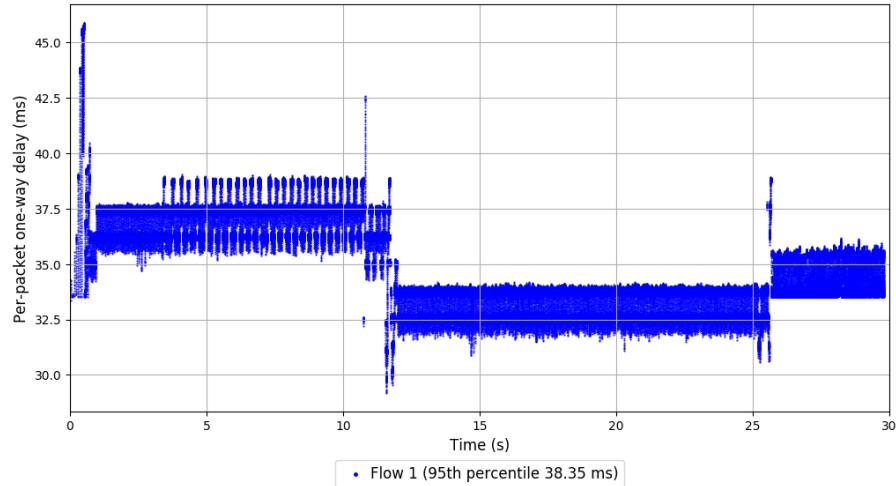
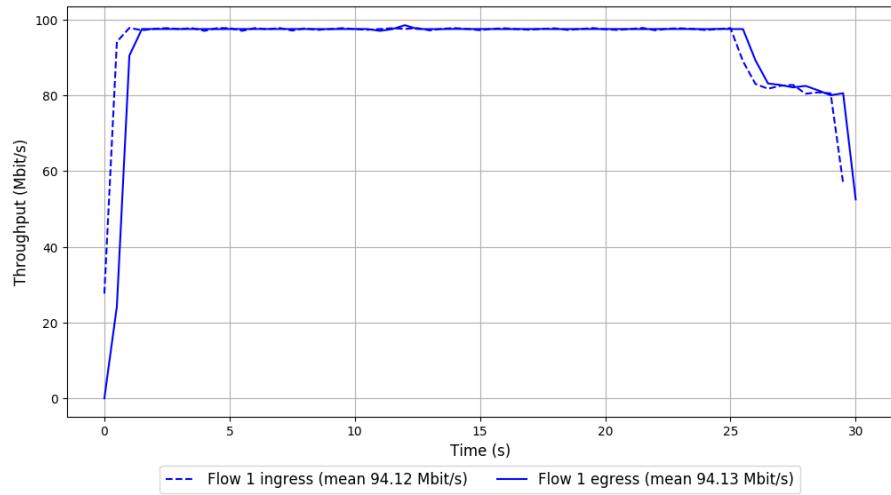


Run 4: Statistics of Indigo

```
Start at: 2018-06-19 03:04:11
End at: 2018-06-19 03:04:41
Local clock offset: 1.696 ms
Remote clock offset: -1.885 ms

# Below is generated by plot.py at 2018-06-19 05:21:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 38.352 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 38.352 ms
Loss rate: 0.19%
```

Run 4: Report of Indigo — Data Link

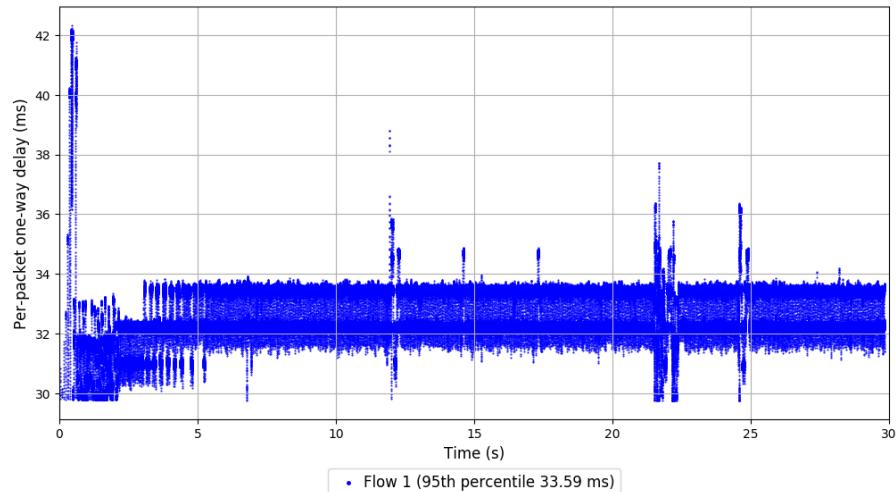
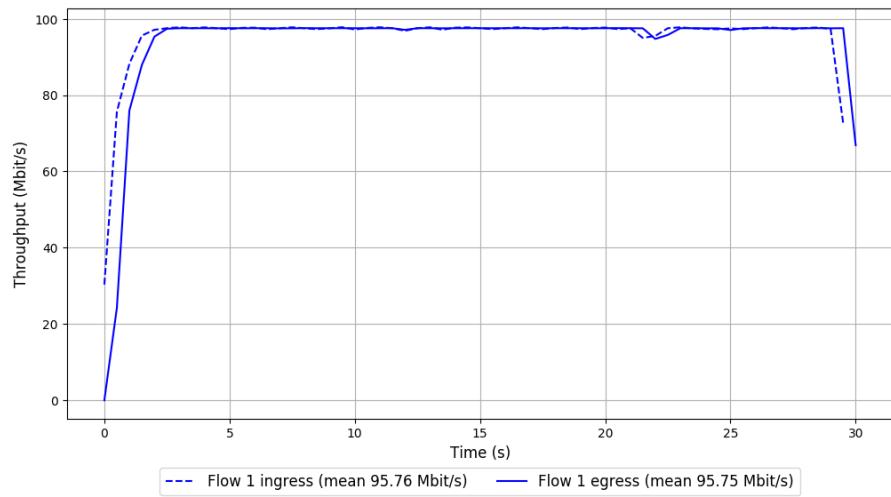


Run 5: Statistics of Indigo

```
Start at: 2018-06-19 03:25:04
End at: 2018-06-19 03:25:34
Local clock offset: 1.374 ms
Remote clock offset: -0.216 ms

# Below is generated by plot.py at 2018-06-19 05:21:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 33.591 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 33.591 ms
Loss rate: 0.21%
```

Run 5: Report of Indigo — Data Link

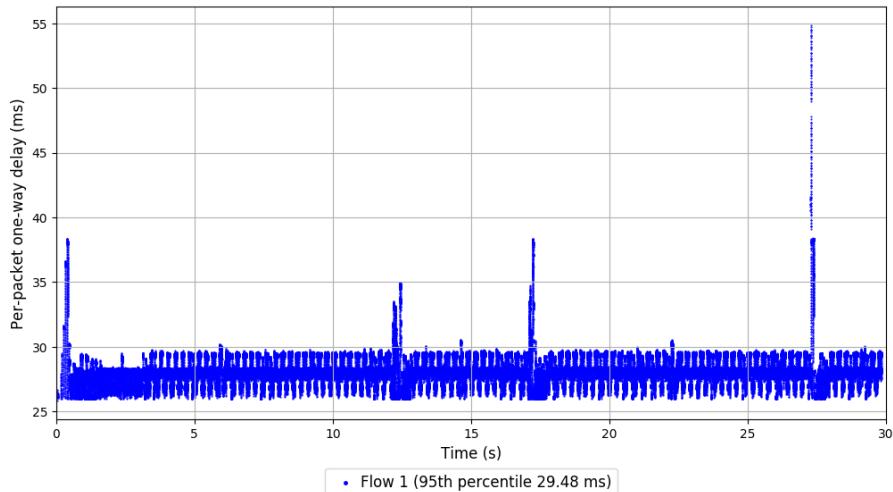
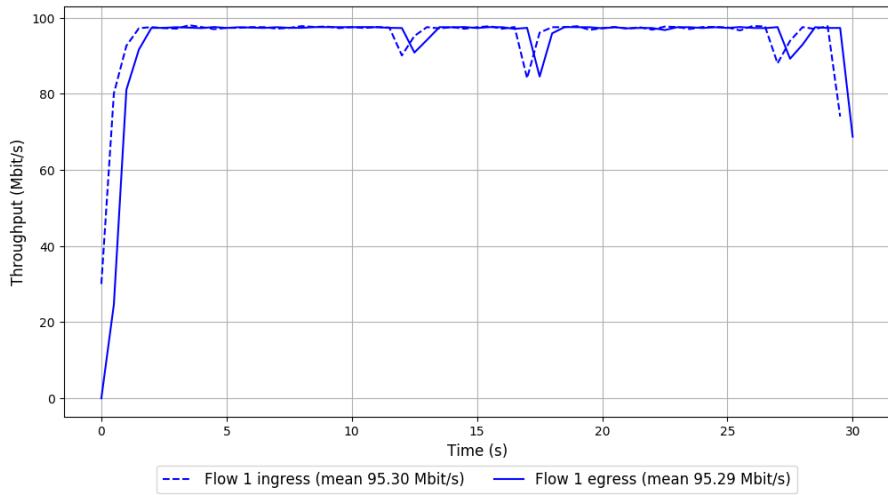


Run 6: Statistics of Indigo

```
Start at: 2018-06-19 03:45:58
End at: 2018-06-19 03:46:28
Local clock offset: -1.693 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-19 05:21:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 29.485 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 29.485 ms
Loss rate: 0.20%
```

Run 6: Report of Indigo — Data Link

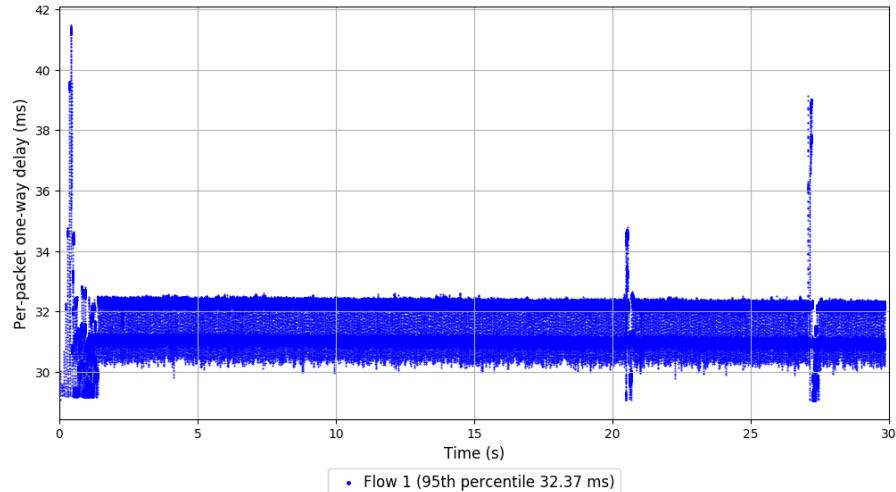
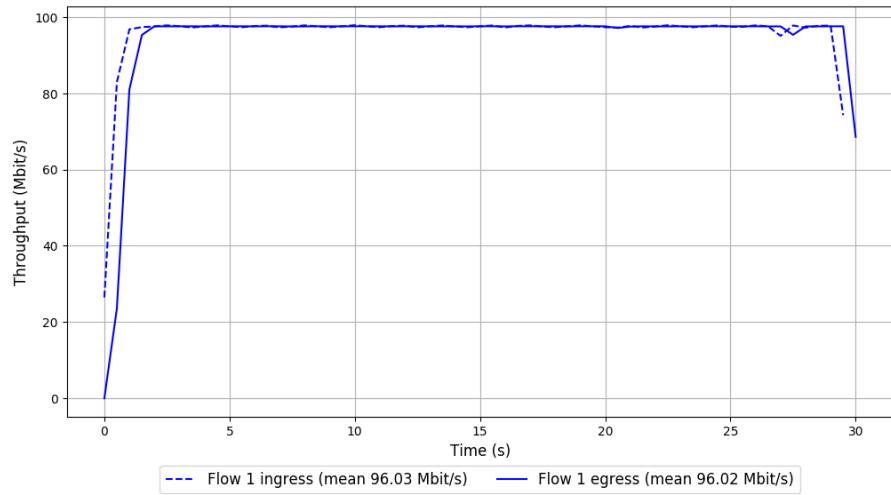


Run 7: Statistics of Indigo

```
Start at: 2018-06-19 04:06:51
End at: 2018-06-19 04:07:21
Local clock offset: -2.059 ms
Remote clock offset: -0.822 ms

# Below is generated by plot.py at 2018-06-19 05:22:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 32.370 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 32.370 ms
Loss rate: 0.21%
```

Run 7: Report of Indigo — Data Link

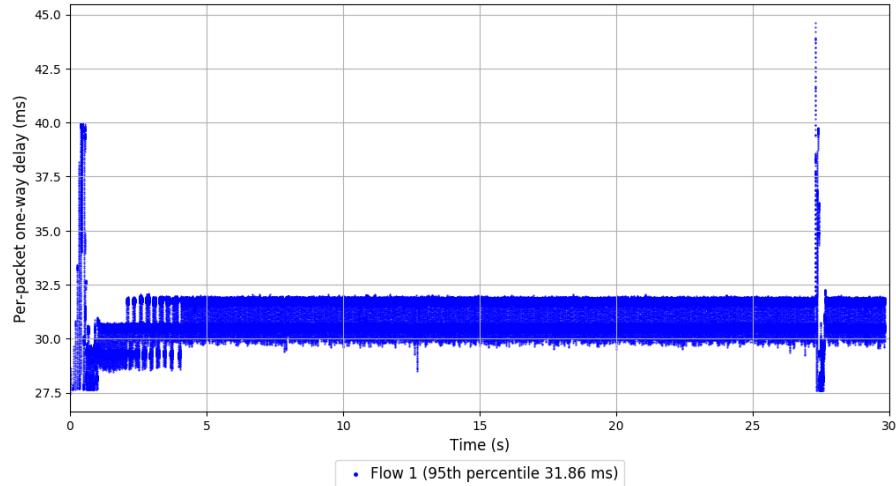
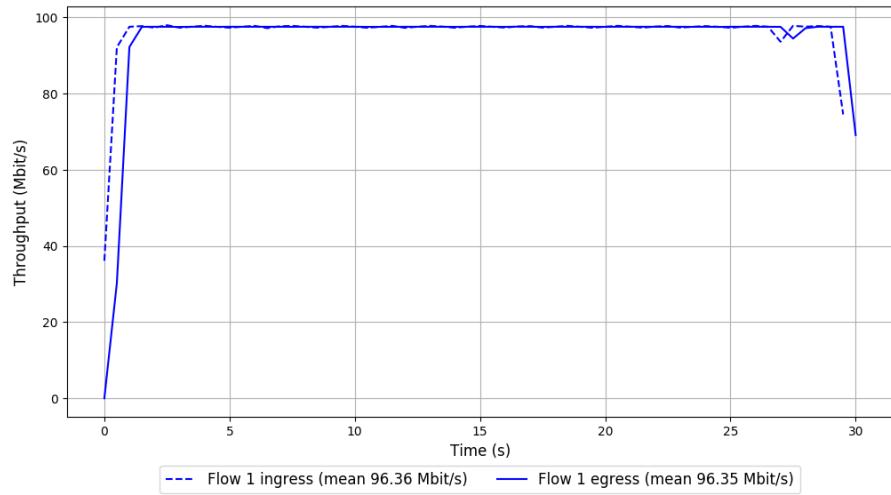


Run 8: Statistics of Indigo

```
Start at: 2018-06-19 04:28:01
End at: 2018-06-19 04:28:31
Local clock offset: 0.256 ms
Remote clock offset: -3.84 ms

# Below is generated by plot.py at 2018-06-19 05:22:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 31.858 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 31.858 ms
Loss rate: 0.20%
```

Run 8: Report of Indigo — Data Link

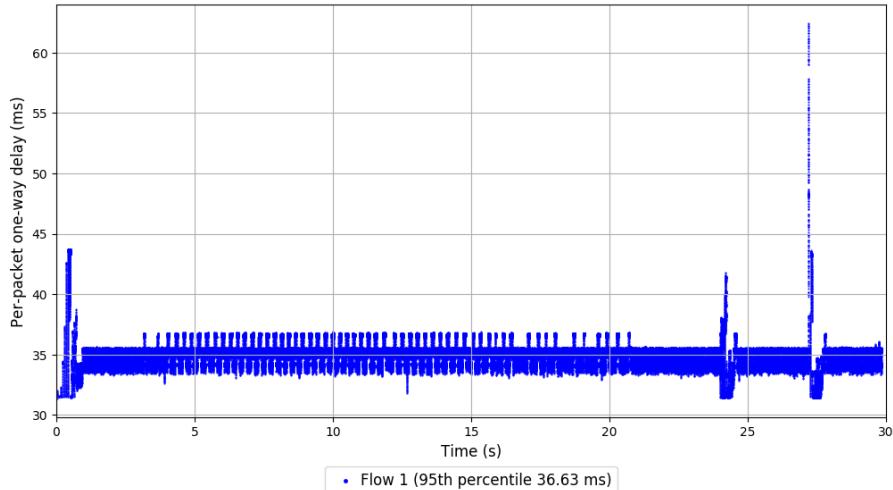
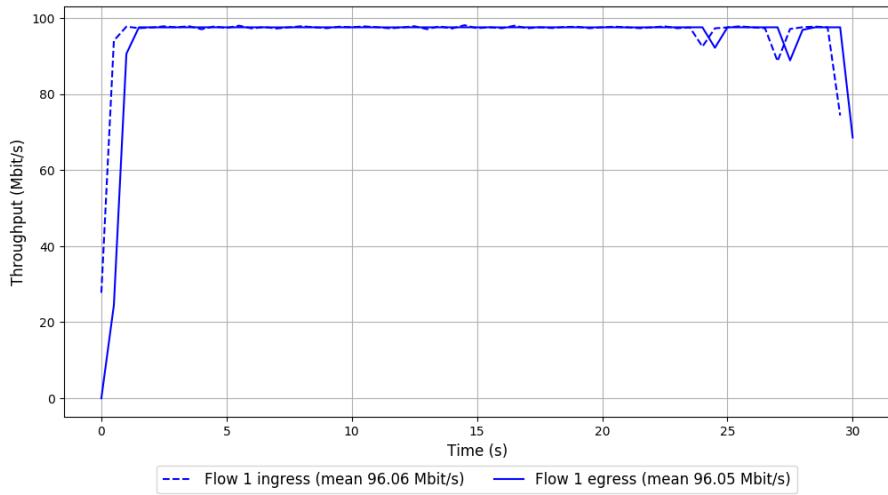


Run 9: Statistics of Indigo

```
Start at: 2018-06-19 04:48:57
End at: 2018-06-19 04:49:27
Local clock offset: 0.694 ms
Remote clock offset: -0.65 ms

# Below is generated by plot.py at 2018-06-19 05:22:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 36.634 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 36.634 ms
Loss rate: 0.22%
```

Run 9: Report of Indigo — Data Link

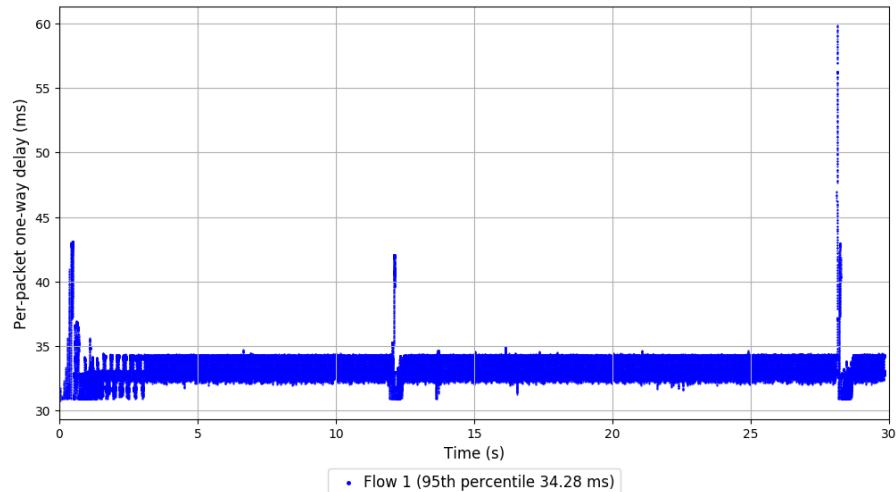
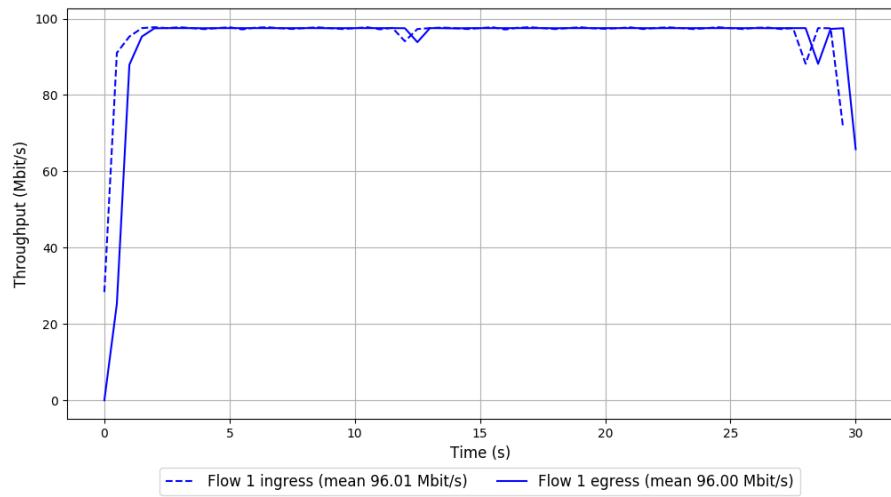


Run 10: Statistics of Indigo

```
Start at: 2018-06-19 05:09:53
End at: 2018-06-19 05:10:23
Local clock offset: 0.55 ms
Remote clock offset: -0.535 ms

# Below is generated by plot.py at 2018-06-19 05:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 34.282 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 34.282 ms
Loss rate: 0.21%
```

Run 10: Report of Indigo — Data Link

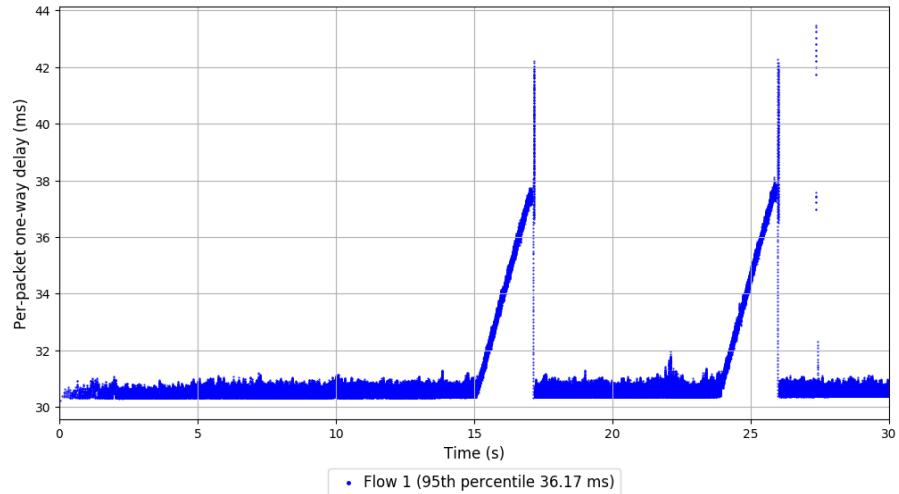
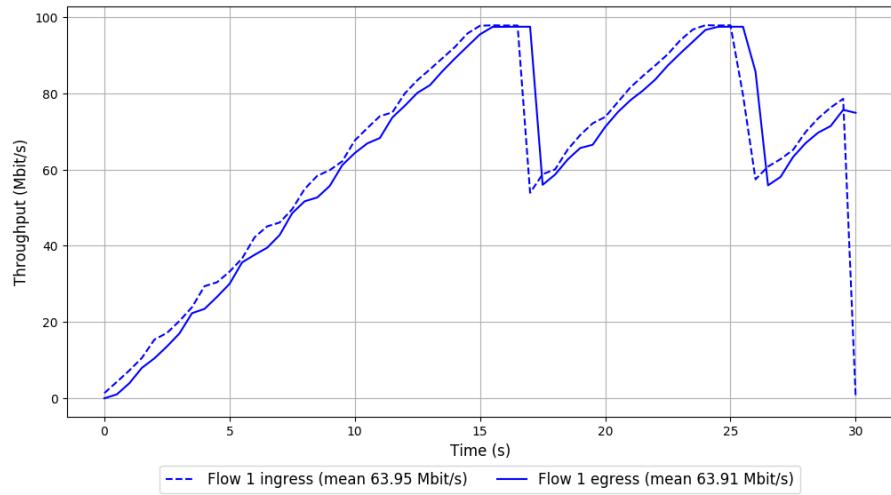


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-06-19 01:46:55
End at: 2018-06-19 01:47:25
Local clock offset: -2.285 ms
Remote clock offset: 0.118 ms

# Below is generated by plot.py at 2018-06-19 05:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.91 Mbit/s
95th percentile per-packet one-way delay: 36.172 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 63.91 Mbit/s
95th percentile per-packet one-way delay: 36.172 ms
Loss rate: 0.26%
```

Run 1: Report of LEDBAT — Data Link

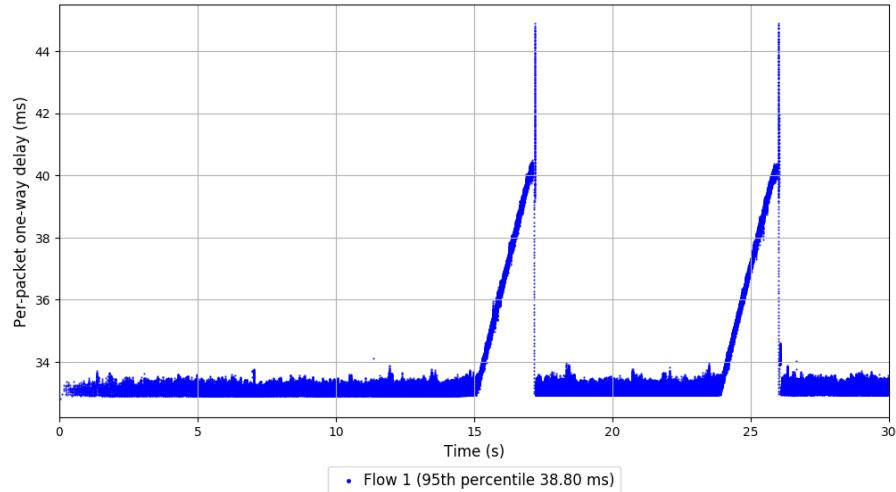
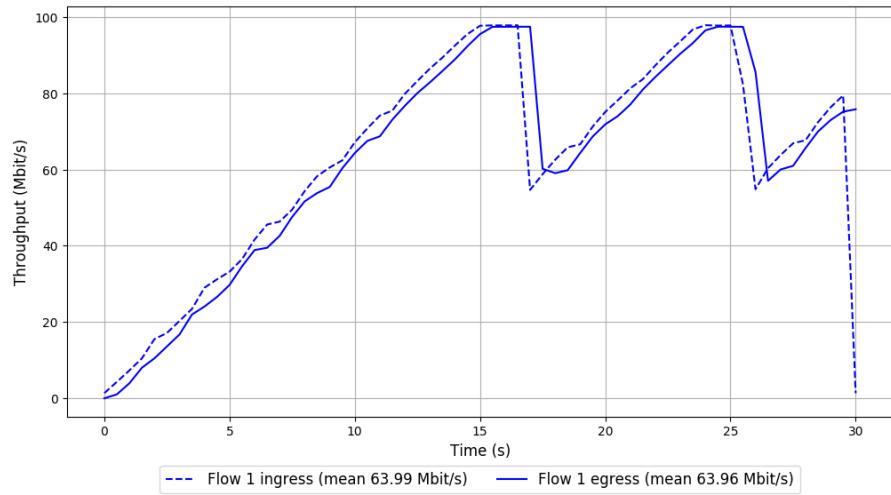


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-19 02:07:51
End at: 2018-06-19 02:08:21
Local clock offset: -3.674 ms
Remote clock offset: -1.555 ms

# Below is generated by plot.py at 2018-06-19 05:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 38.799 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 38.799 ms
Loss rate: 0.25%
```

Run 2: Report of LEDBAT — Data Link

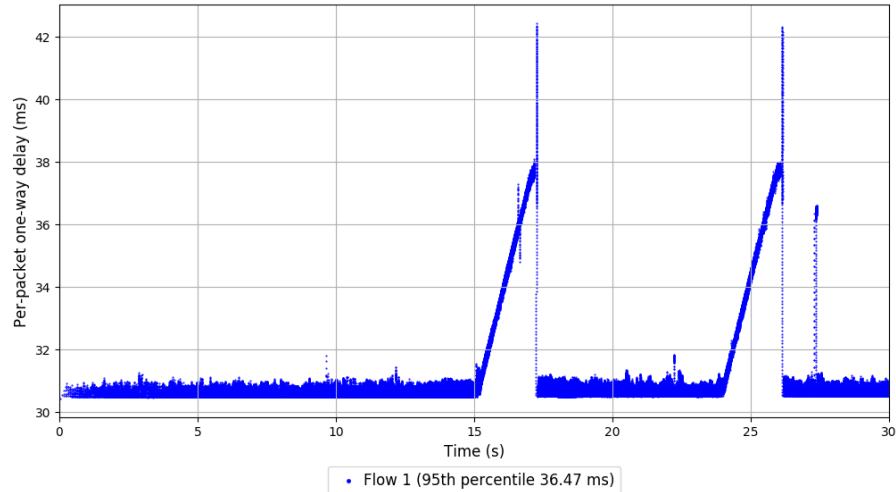
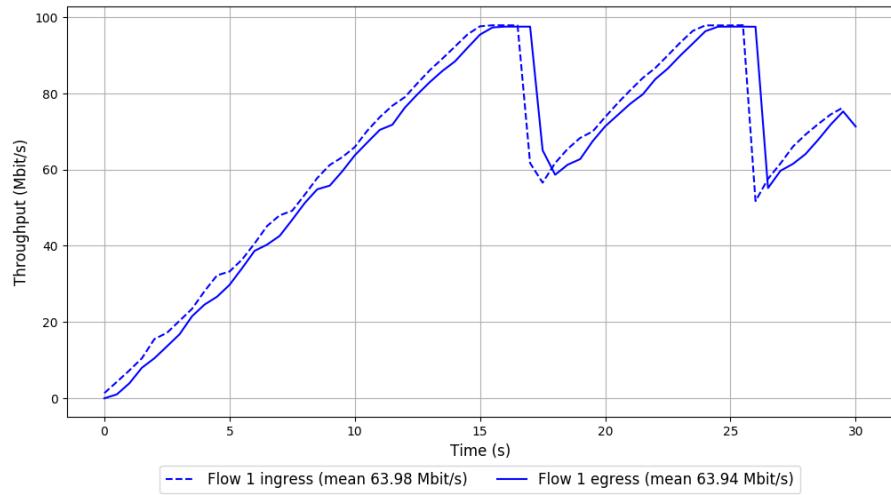


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-19 02:28:46
End at: 2018-06-19 02:29:16
Local clock offset: -4.692 ms
Remote clock offset: 1.808 ms

# Below is generated by plot.py at 2018-06-19 05:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.94 Mbit/s
95th percentile per-packet one-way delay: 36.468 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 63.94 Mbit/s
95th percentile per-packet one-way delay: 36.468 ms
Loss rate: 0.25%
```

Run 3: Report of LEDBAT — Data Link

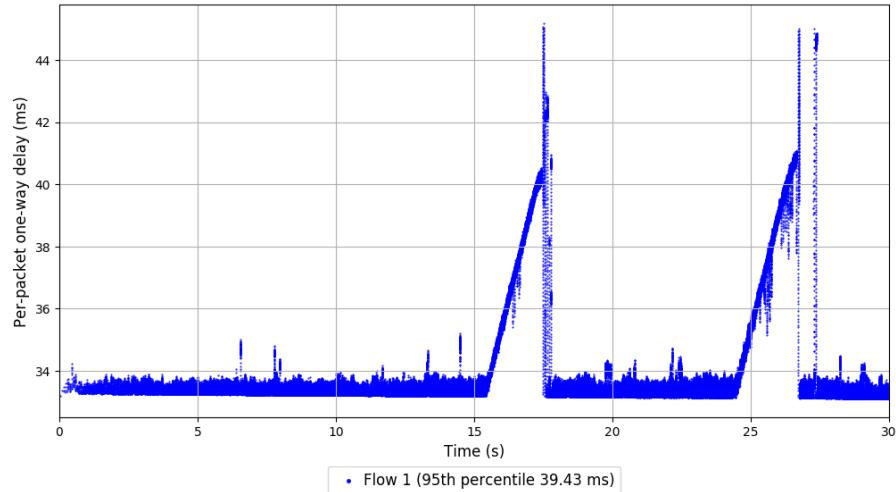
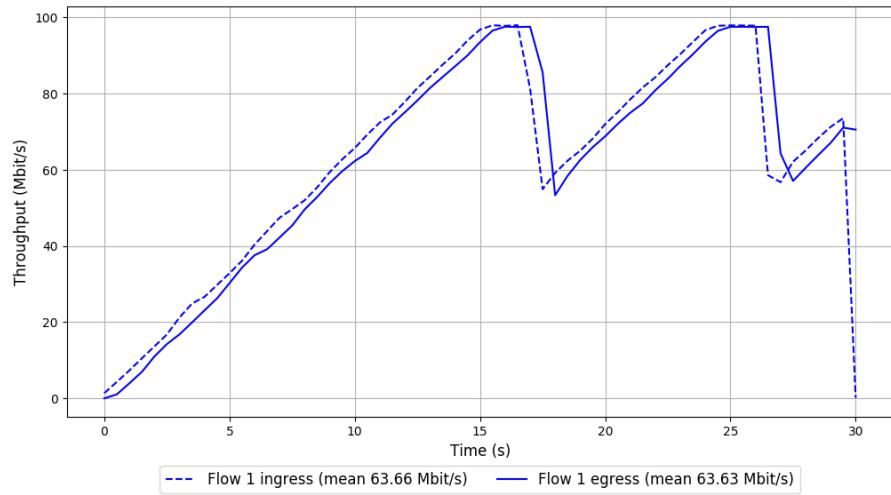


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-19 02:49:42
End at: 2018-06-19 02:50:12
Local clock offset: 0.301 ms
Remote clock offset: -0.501 ms

# Below is generated by plot.py at 2018-06-19 05:22:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.63 Mbit/s
95th percentile per-packet one-way delay: 39.430 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 63.63 Mbit/s
95th percentile per-packet one-way delay: 39.430 ms
Loss rate: 0.24%
```

Run 4: Report of LEDBAT — Data Link

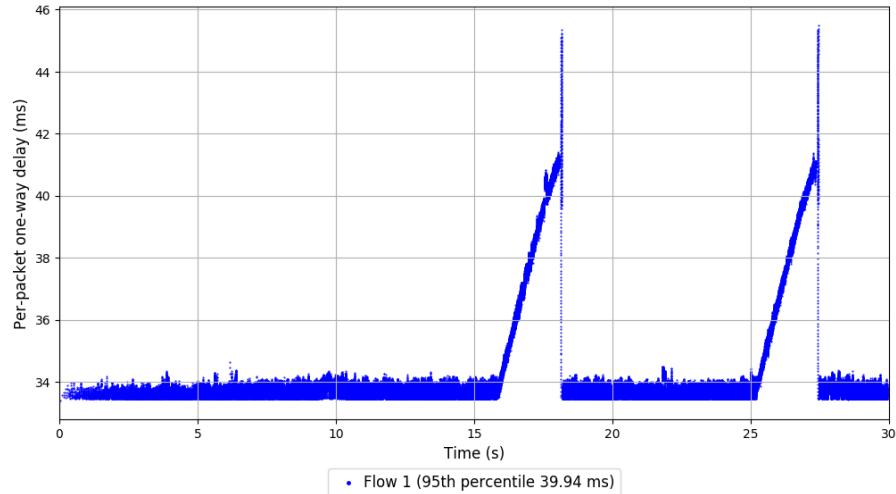
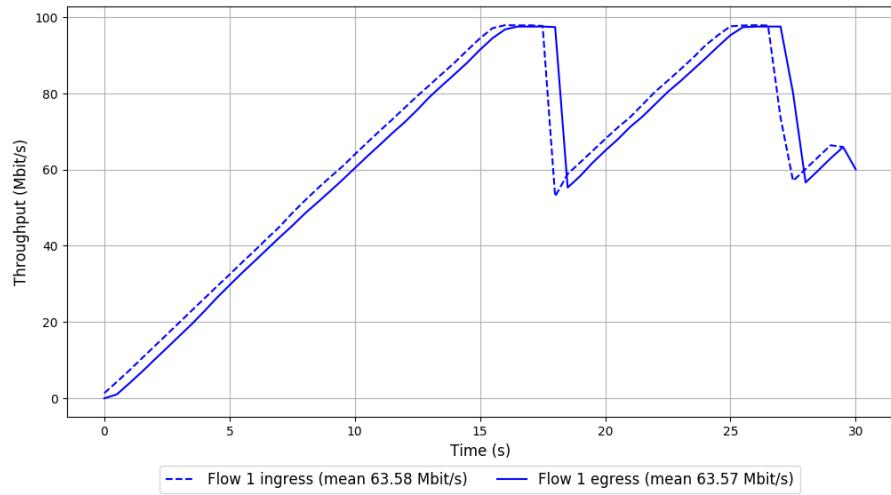


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-19 03:10:36
End at: 2018-06-19 03:11:06
Local clock offset: 1.198 ms
Remote clock offset: -2.027 ms

# Below is generated by plot.py at 2018-06-19 05:22:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 39.939 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 39.939 ms
Loss rate: 0.23%
```

Run 5: Report of LEDBAT — Data Link

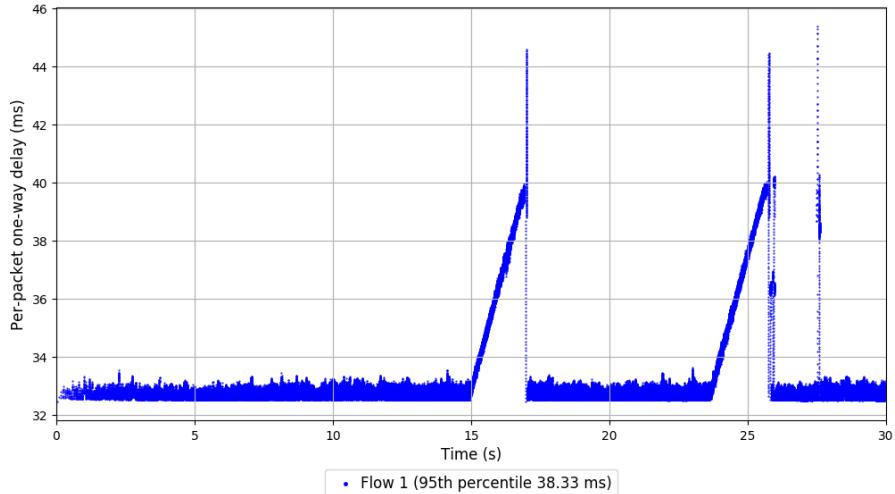
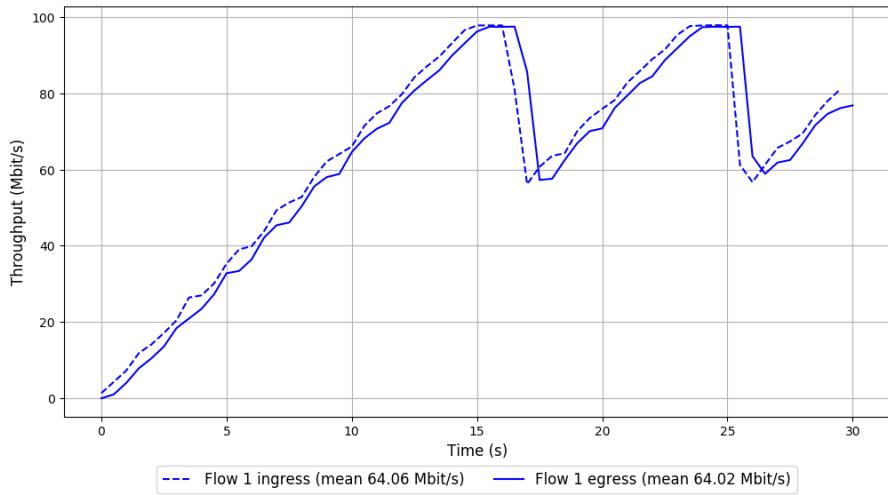


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-19 03:31:29
End at: 2018-06-19 03:31:59
Local clock offset: 1.568 ms
Remote clock offset: -2.4 ms

# Below is generated by plot.py at 2018-06-19 05:22:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 38.334 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 38.334 ms
Loss rate: 0.26%
```

Run 6: Report of LEDBAT — Data Link

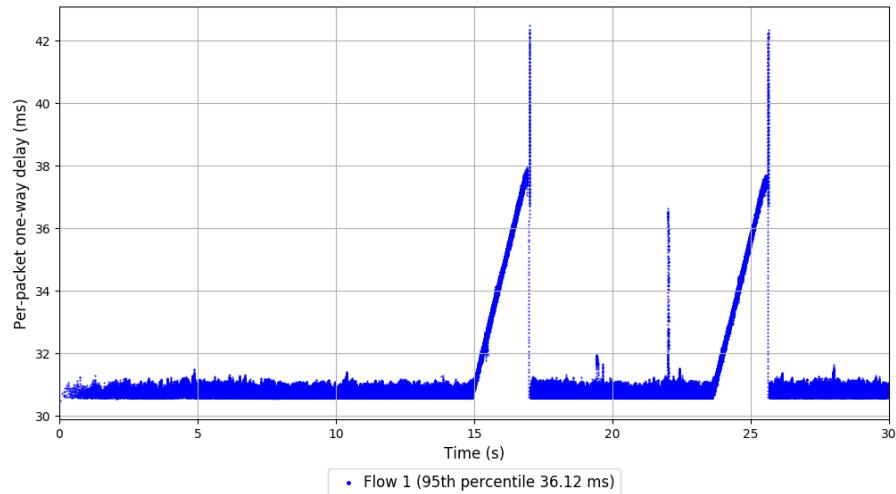
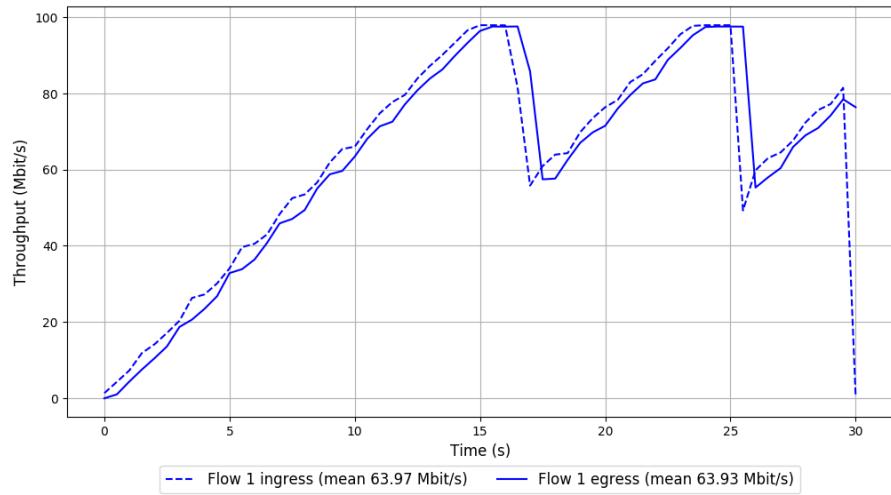


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-19 03:52:23
End at: 2018-06-19 03:52:53
Local clock offset: -2.325 ms
Remote clock offset: -0.68 ms

# Below is generated by plot.py at 2018-06-19 05:22:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.93 Mbit/s
95th percentile per-packet one-way delay: 36.115 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 63.93 Mbit/s
95th percentile per-packet one-way delay: 36.115 ms
Loss rate: 0.26%
```

Run 7: Report of LEDBAT — Data Link

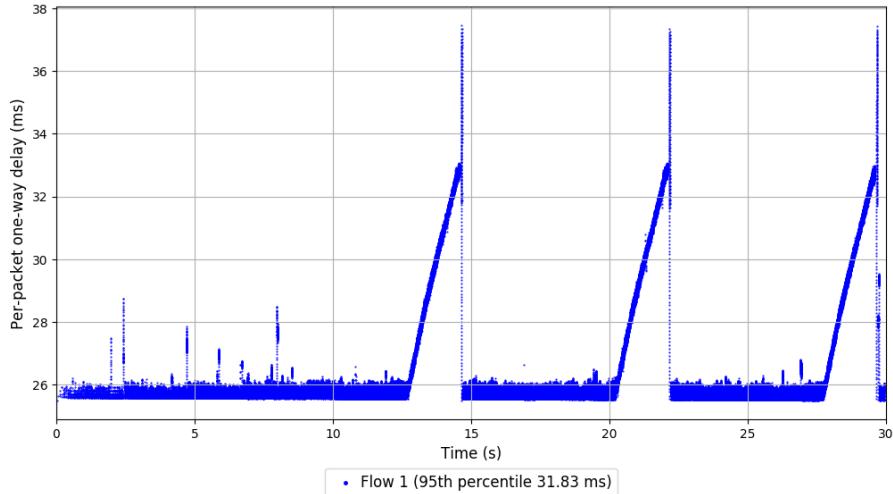
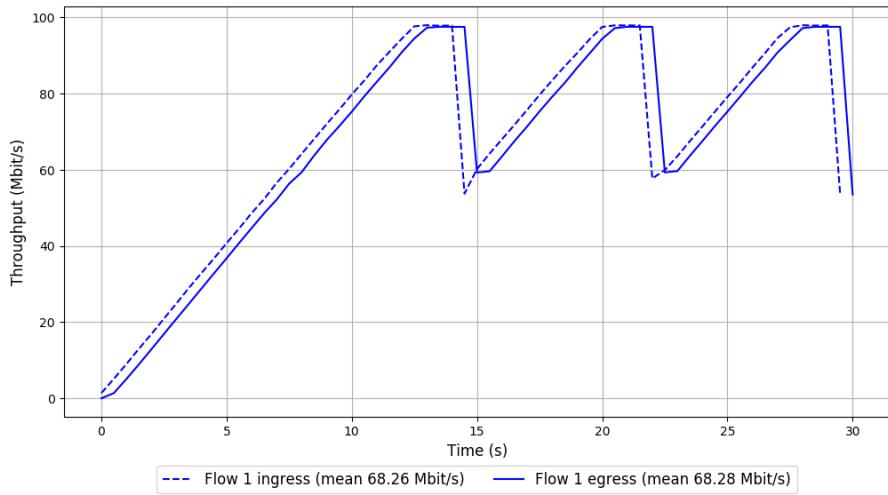


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-19 04:13:16
End at: 2018-06-19 04:13:46
Local clock offset: -0.856 ms
Remote clock offset: -1.432 ms

# Below is generated by plot.py at 2018-06-19 05:22:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 31.829 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 31.829 ms
Loss rate: 0.16%
```

Run 8: Report of LEDBAT — Data Link

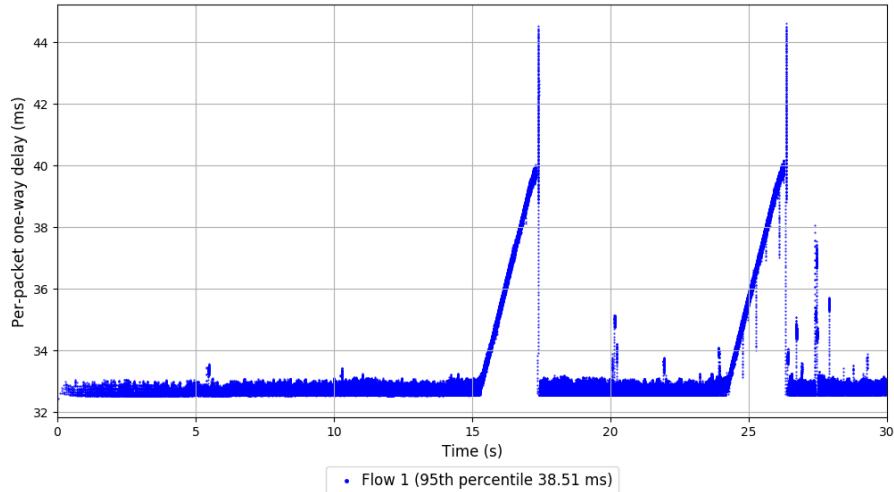
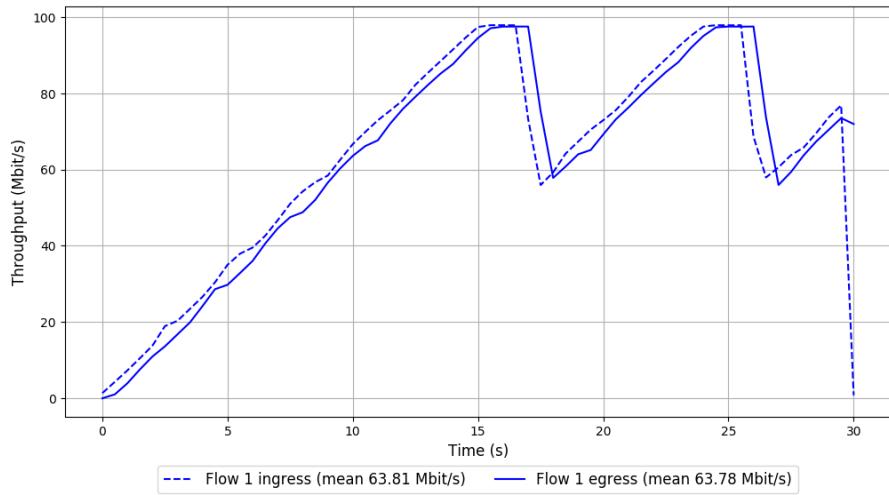


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-19 04:34:27
End at: 2018-06-19 04:34:57
Local clock offset: 0.48 ms
Remote clock offset: -3.364 ms

# Below is generated by plot.py at 2018-06-19 05:22:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 38.511 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 38.511 ms
Loss rate: 0.25%
```

Run 9: Report of LEDBAT — Data Link

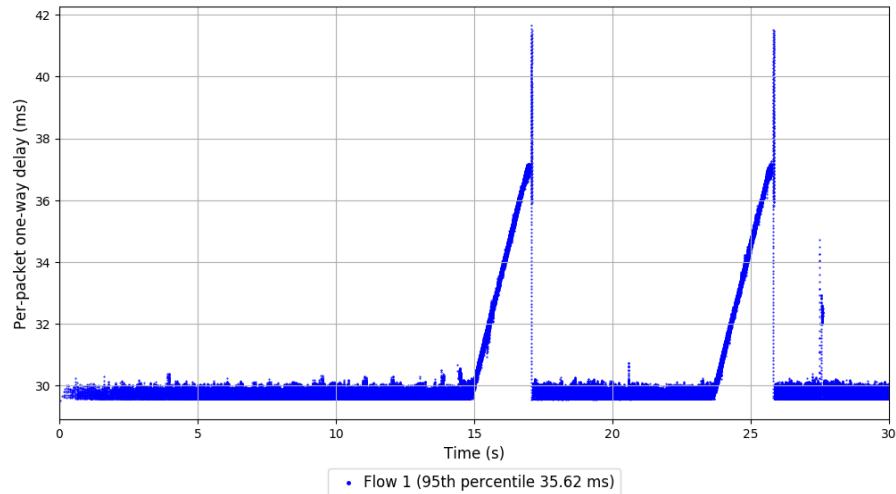
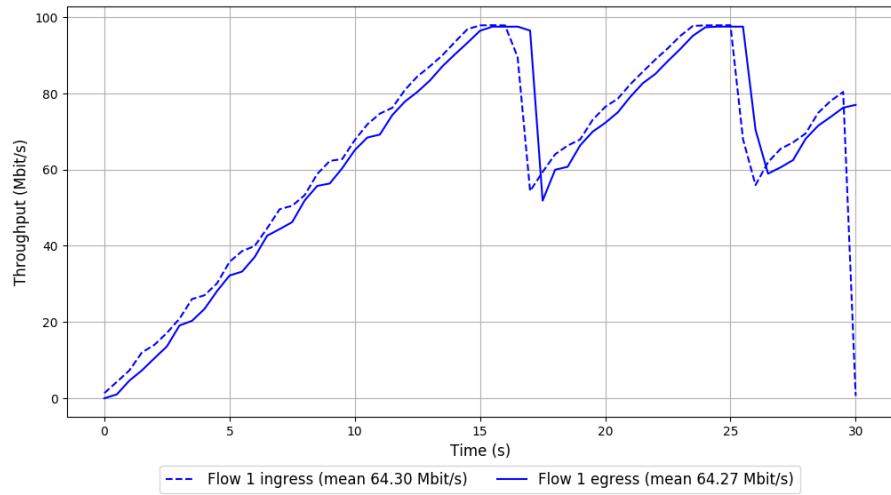


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-19 04:55:23
End at: 2018-06-19 04:55:53
Local clock offset: 0.734 ms
Remote clock offset: -0.477 ms

# Below is generated by plot.py at 2018-06-19 05:22:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 35.623 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 35.623 ms
Loss rate: 0.26%
```

Run 10: Report of LEDBAT — Data Link

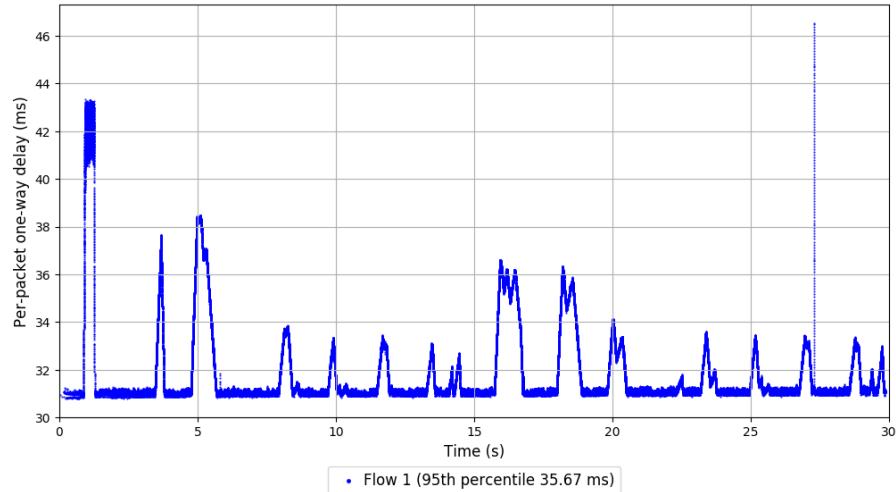
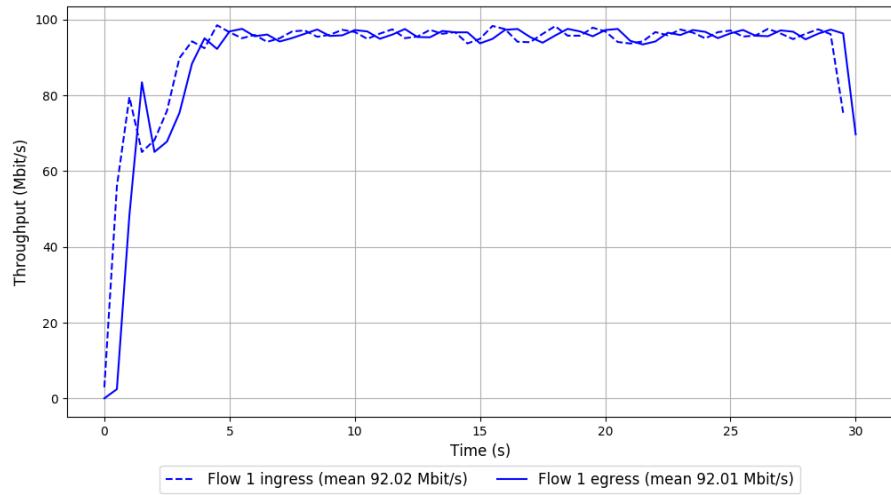


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-19 01:45:38
End at: 2018-06-19 01:46:08
Local clock offset: -2.128 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-06-19 05:23:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 35.669 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 35.669 ms
Loss rate: 0.21%
```

Run 1: Report of PCC-Allegro — Data Link

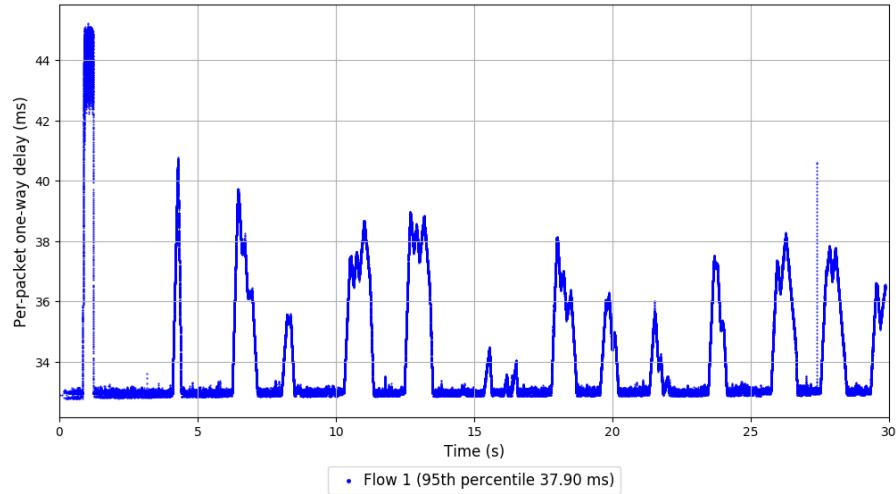
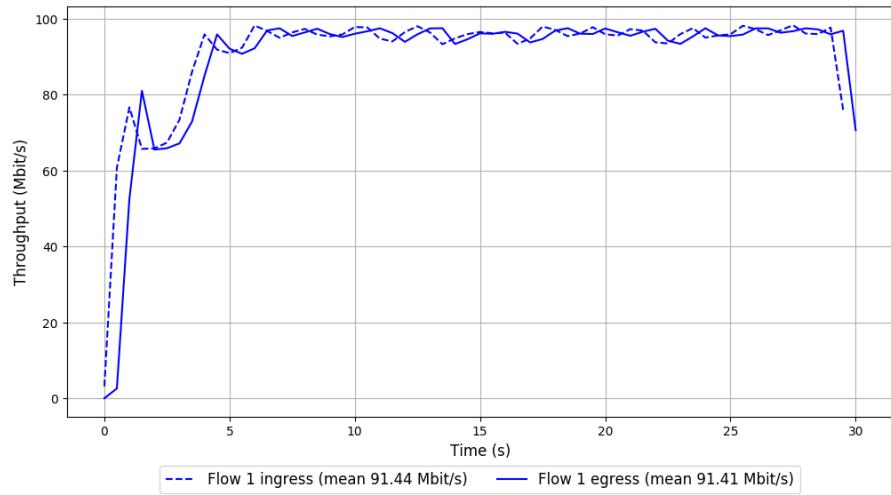


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-19 02:06:34
End at: 2018-06-19 02:07:04
Local clock offset: -3.692 ms
Remote clock offset: -1.596 ms

# Below is generated by plot.py at 2018-06-19 05:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 37.896 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 37.896 ms
Loss rate: 0.23%
```

Run 2: Report of PCC-Allegro — Data Link

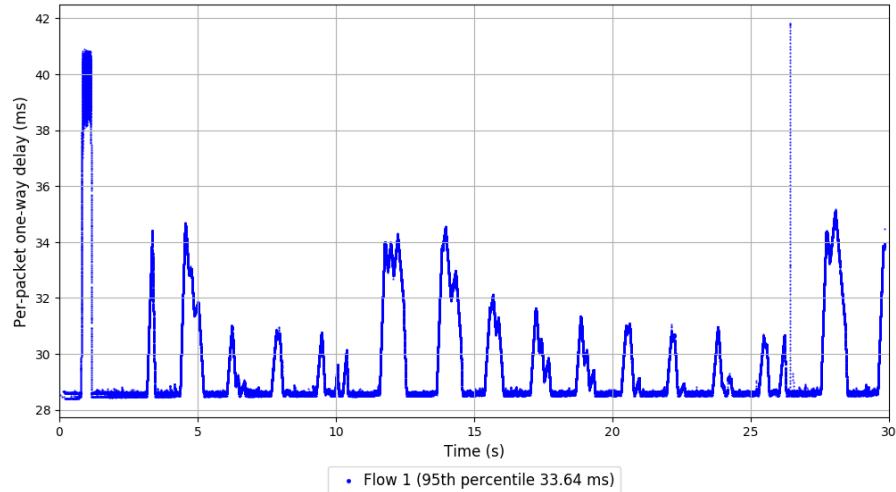
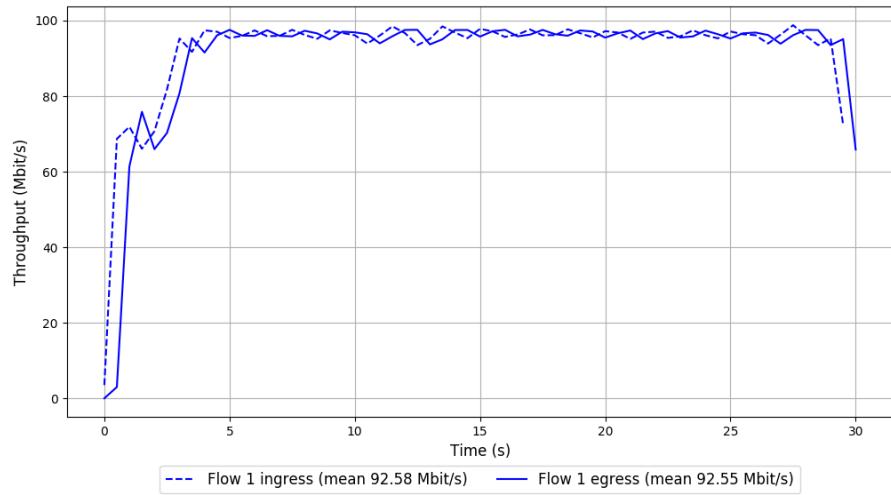


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-19 02:27:29
End at: 2018-06-19 02:27:59
Local clock offset: -4.619 ms
Remote clock offset: -0.79 ms

# Below is generated by plot.py at 2018-06-19 05:23:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 33.640 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 33.640 ms
Loss rate: 0.22%
```

Run 3: Report of PCC-Allegro — Data Link

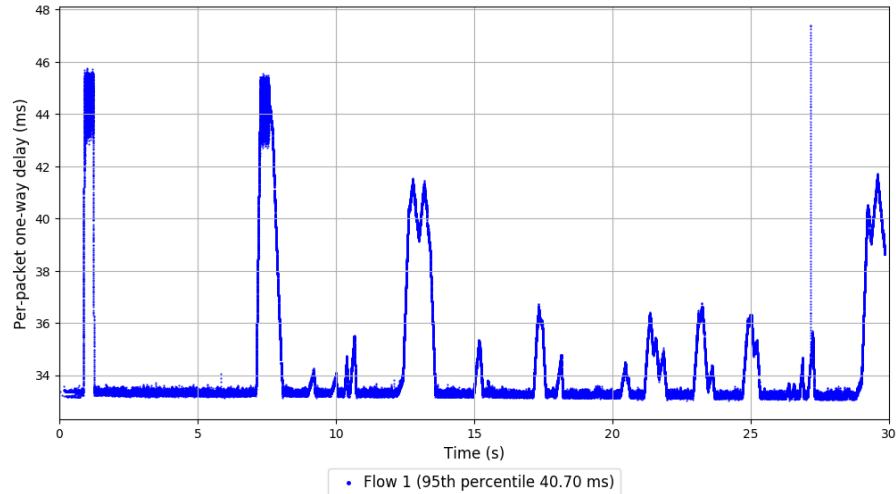
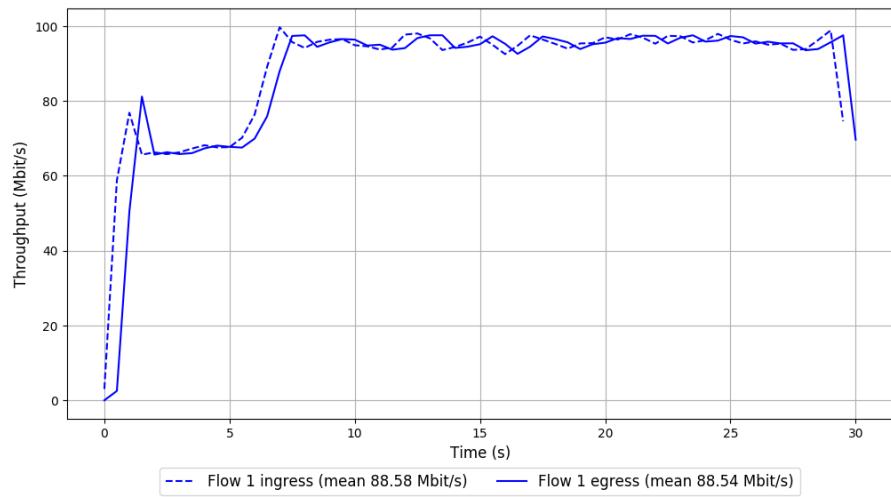


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-19 02:48:25
End at: 2018-06-19 02:48:55
Local clock offset: 0.111 ms
Remote clock offset: -0.326 ms

# Below is generated by plot.py at 2018-06-19 05:23:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 40.700 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 40.700 ms
Loss rate: 0.26%
```

Run 4: Report of PCC-Allegro — Data Link

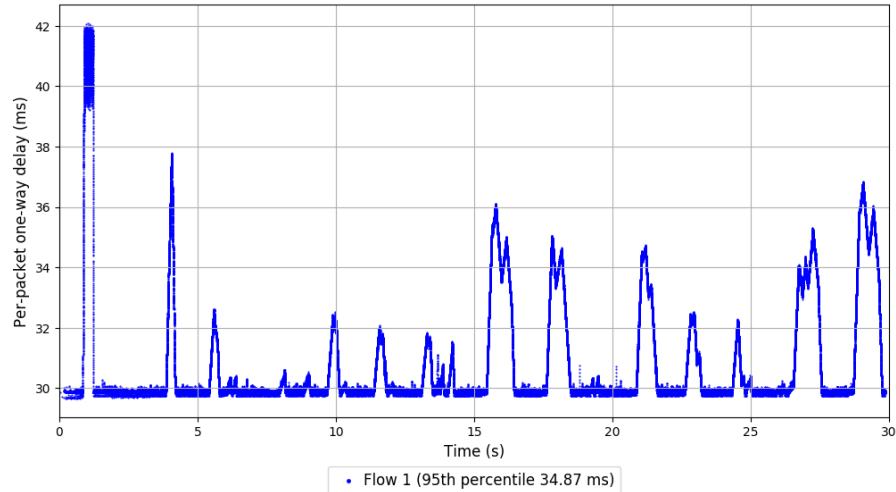
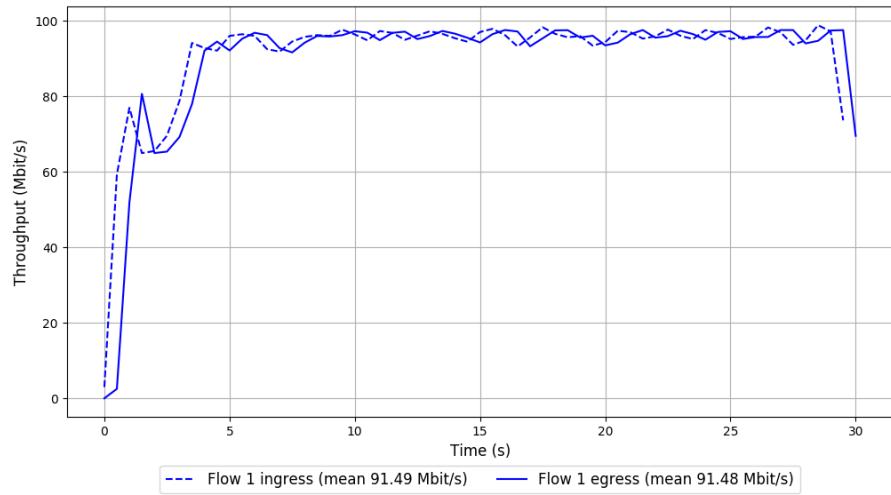


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-19 03:09:18
End at: 2018-06-19 03:09:48
Local clock offset: 1.34 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-06-19 05:23:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 34.867 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 34.867 ms
Loss rate: 0.21%
```

Run 5: Report of PCC-Allegro — Data Link

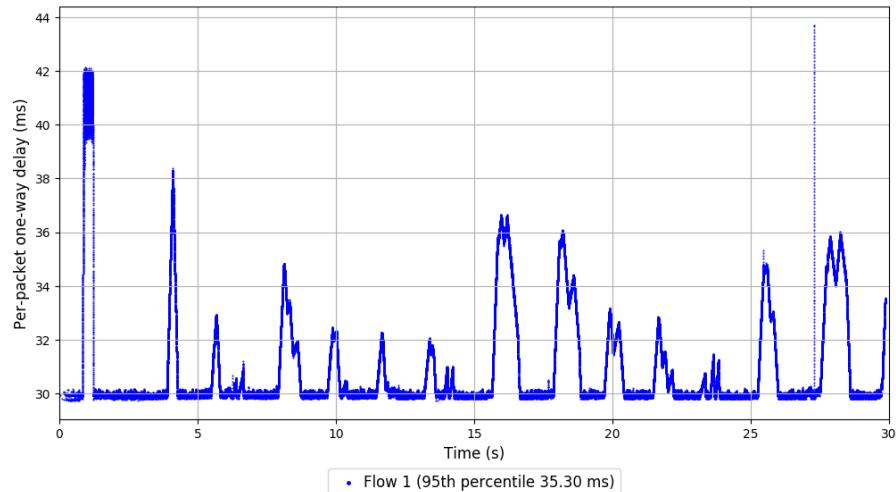
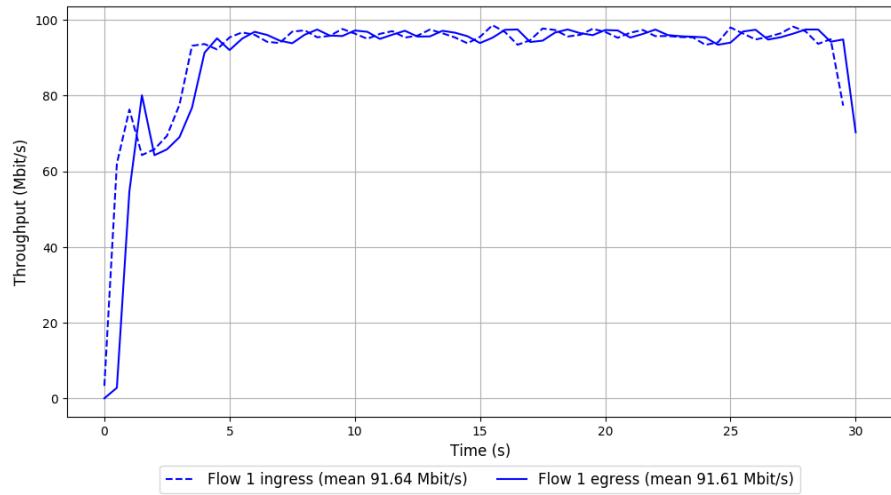


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-19 03:30:11
End at: 2018-06-19 03:30:41
Local clock offset: 1.446 ms
Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2018-06-19 05:24:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 35.300 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 35.300 ms
Loss rate: 0.23%
```

Run 6: Report of PCC-Allegro — Data Link

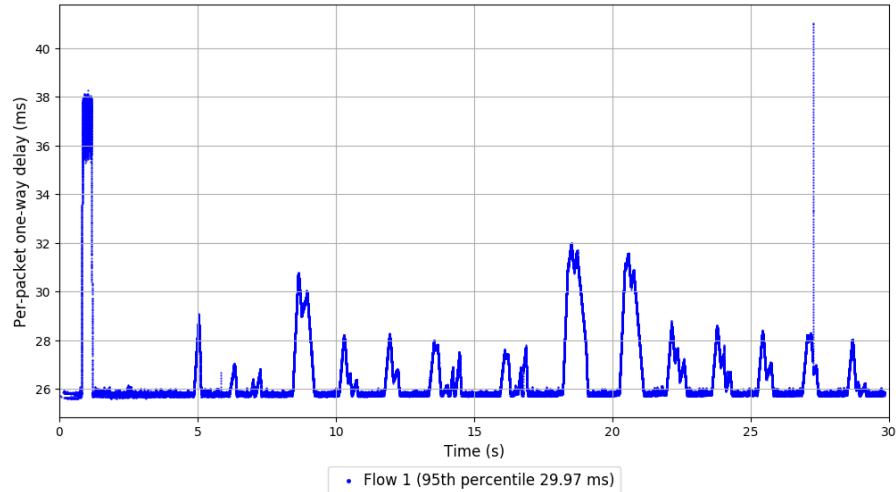
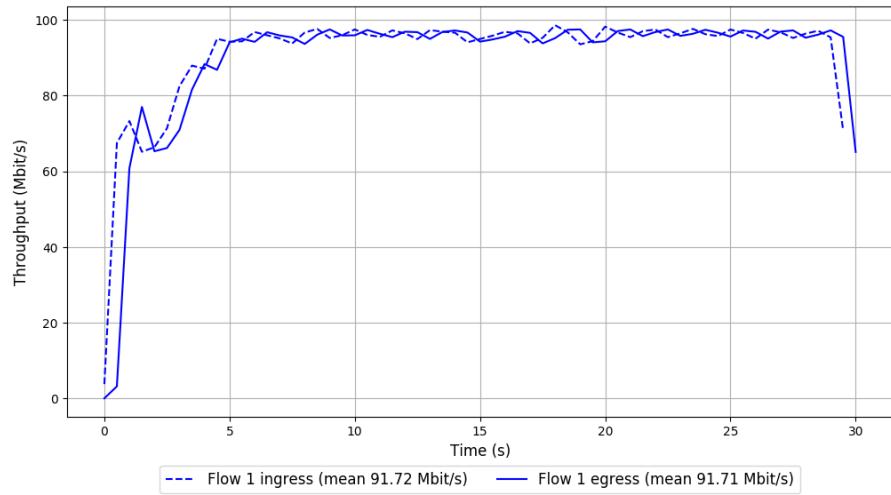


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-19 03:51:06
End at: 2018-06-19 03:51:36
Local clock offset: -2.342 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2018-06-19 05:24:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 29.971 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 29.971 ms
Loss rate: 0.20%
```

Run 7: Report of PCC-Allegro — Data Link

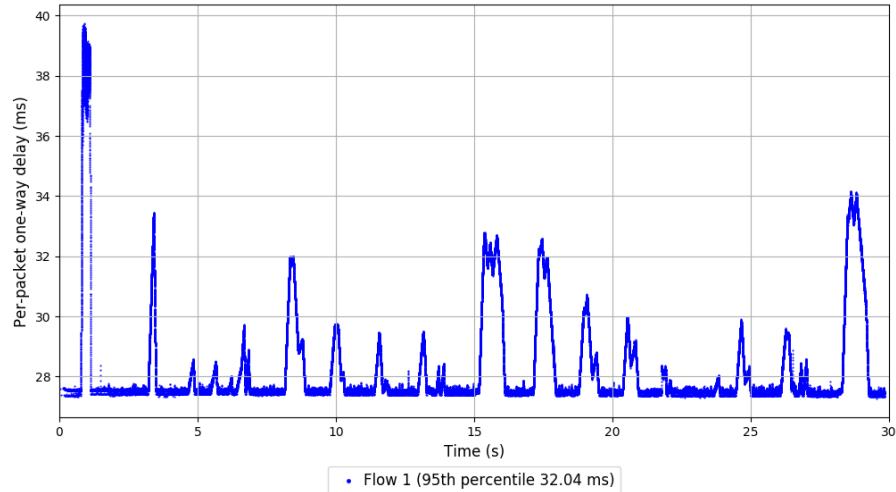
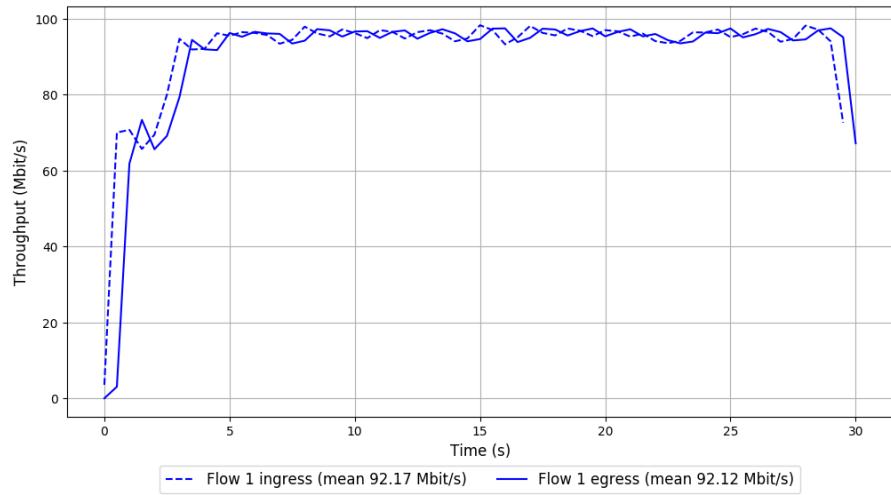


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-19 04:11:58
End at: 2018-06-19 04:12:28
Local clock offset: -1.07 ms
Remote clock offset: -3.542 ms

# Below is generated by plot.py at 2018-06-19 05:24:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 32.037 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 32.037 ms
Loss rate: 0.23%
```

Run 8: Report of PCC-Allegro — Data Link

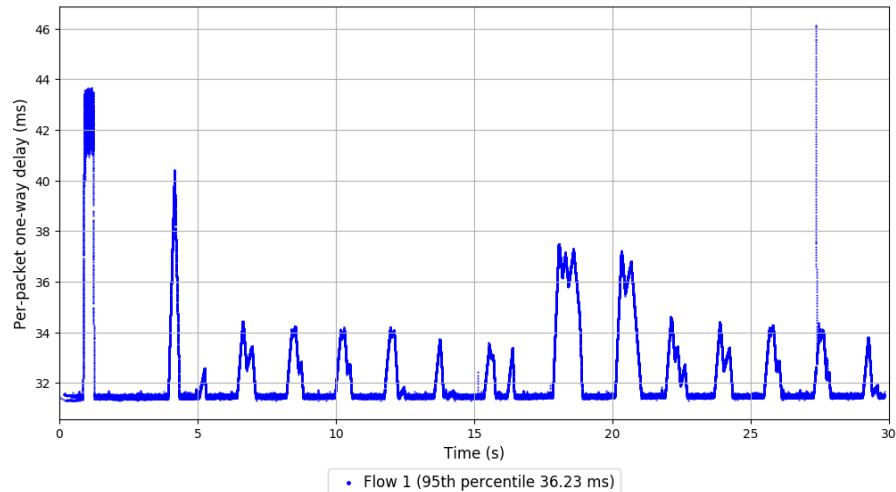
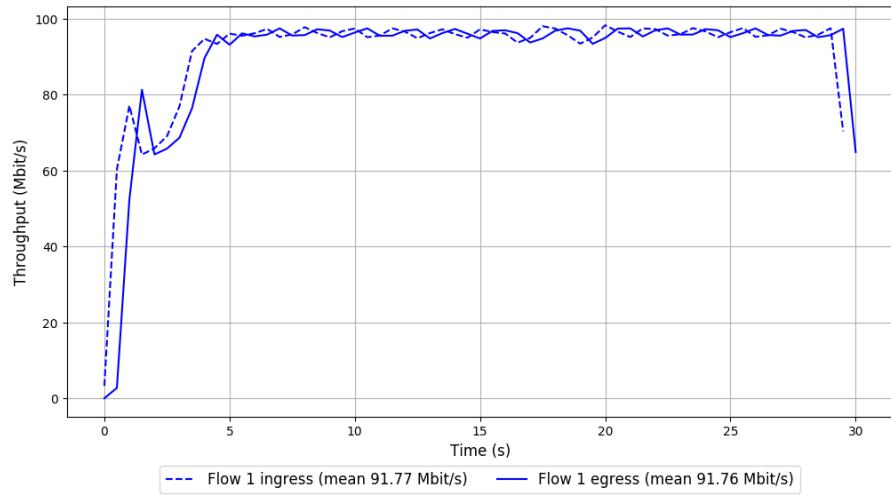


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-19 04:33:09
End at: 2018-06-19 04:38:39
Local clock offset: 0.552 ms
Remote clock offset: -1.41 ms

# Below is generated by plot.py at 2018-06-19 05:24:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 36.229 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 36.229 ms
Loss rate: 0.22%
```

Run 9: Report of PCC-Allegro — Data Link

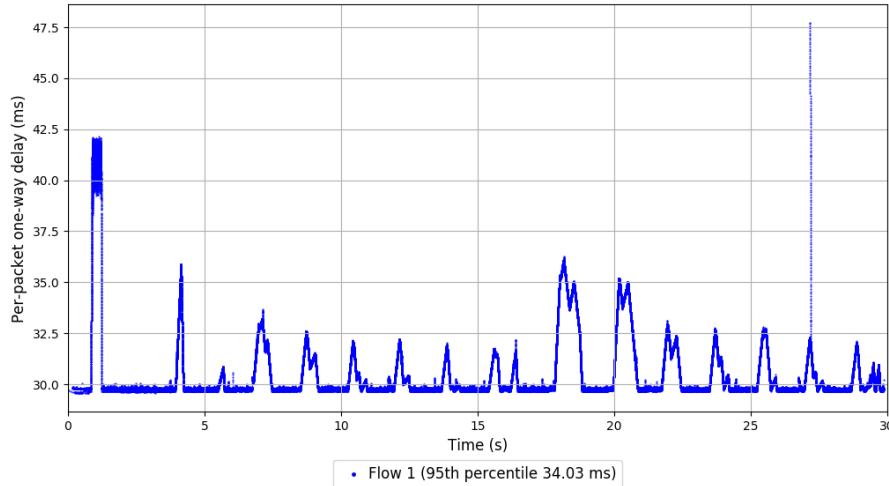
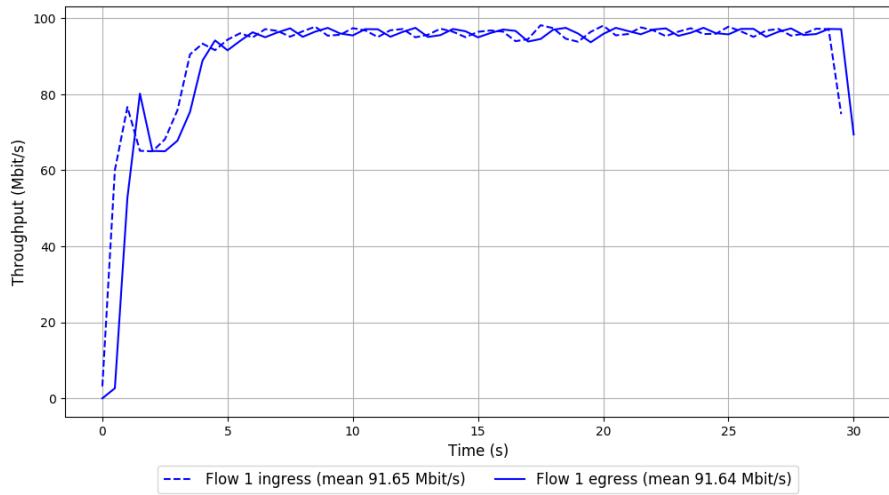


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-19 04:54:05
End at: 2018-06-19 04:54:35
Local clock offset: 0.798 ms
Remote clock offset: -0.614 ms

# Below is generated by plot.py at 2018-06-19 05:24:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 34.033 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 34.033 ms
Loss rate: 0.21%
```

Run 10: Report of PCC-Allegro — Data Link

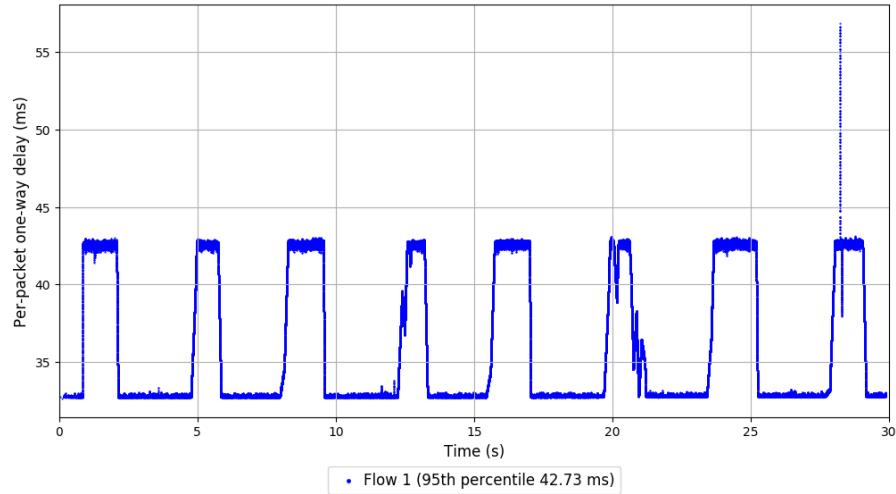
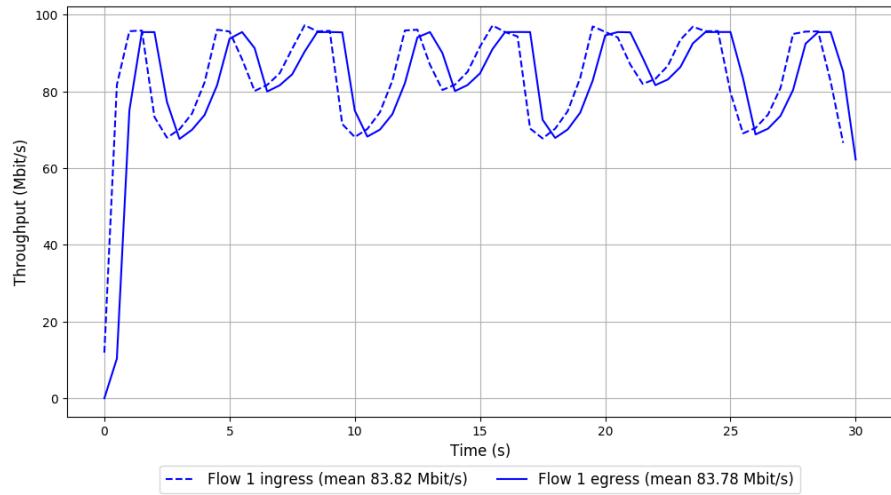


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-19 01:49:33
End at: 2018-06-19 01:50:03
Local clock offset: -2.571 ms
Remote clock offset: -2.239 ms

# Below is generated by plot.py at 2018-06-19 05:25:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 42.730 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 42.730 ms
Loss rate: 0.25%
```

Run 1: Report of PCC-Expr — Data Link

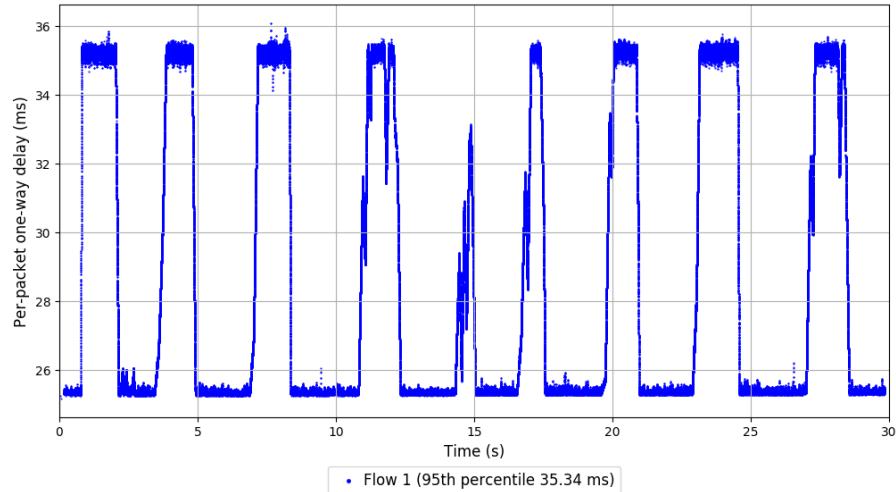
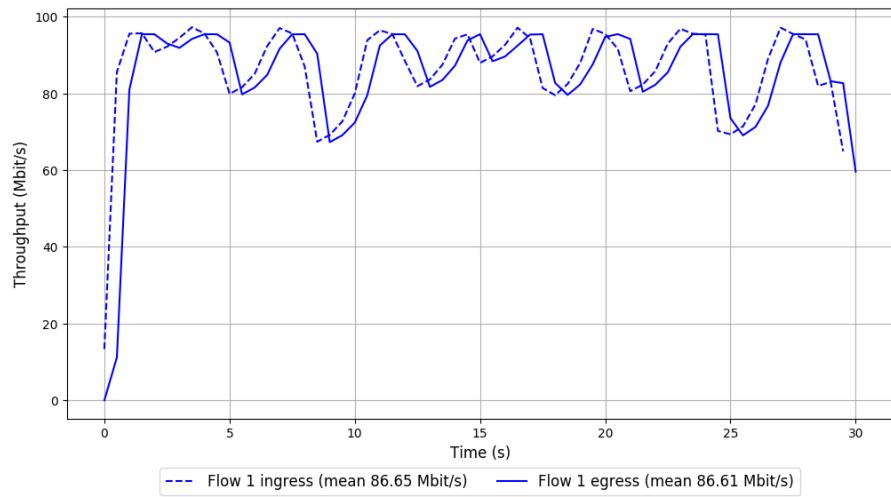


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-19 02:10:29
End at: 2018-06-19 02:10:59
Local clock offset: -3.808 ms
Remote clock offset: 1.148 ms

# Below is generated by plot.py at 2018-06-19 05:25:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 35.342 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 35.342 ms
Loss rate: 0.22%
```

Run 2: Report of PCC-Expr — Data Link

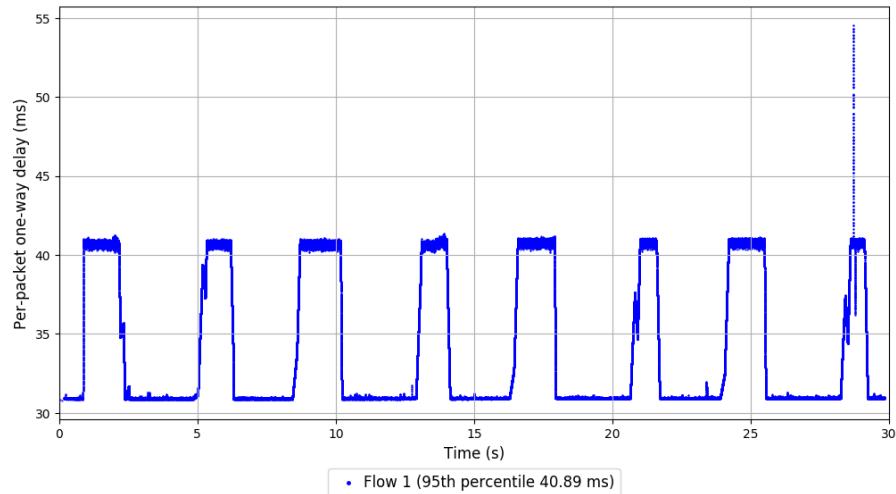
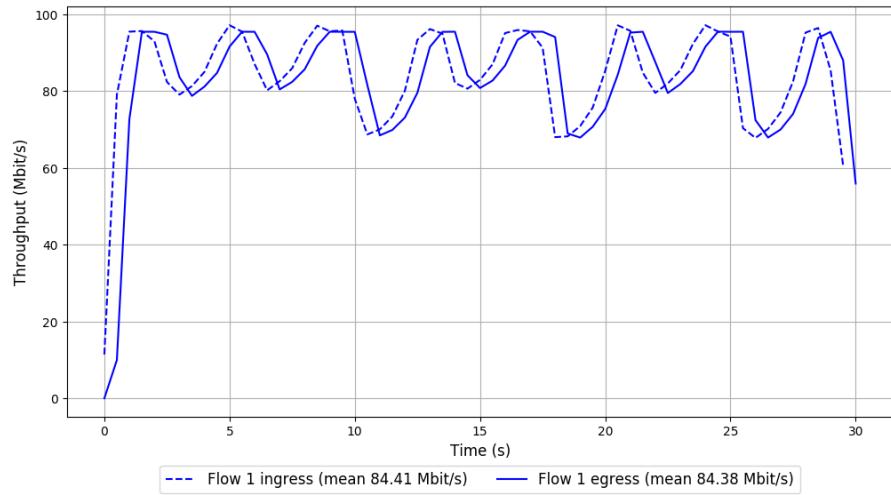


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-19 02:31:24
End at: 2018-06-19 02:31:54
Local clock offset: -4.909 ms
Remote clock offset: 1.9 ms

# Below is generated by plot.py at 2018-06-19 05:25:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 40.887 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 40.887 ms
Loss rate: 0.23%
```

Run 3: Report of PCC-Expr — Data Link

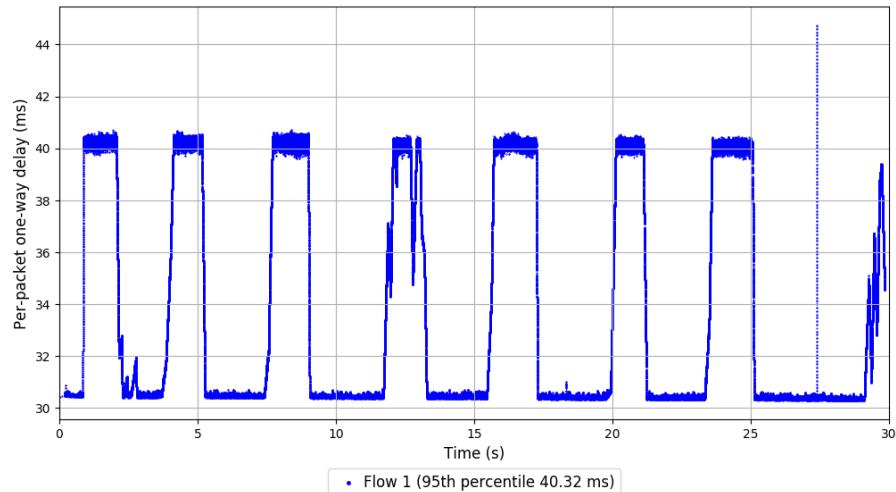
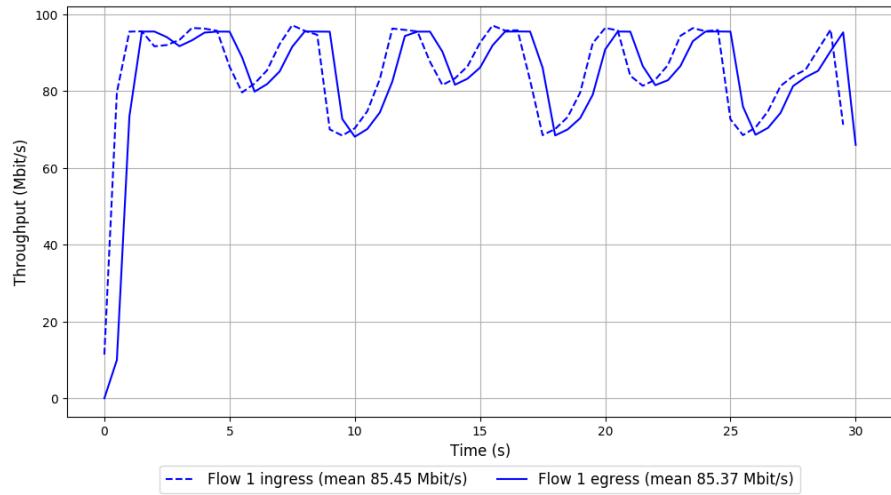


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-19 02:52:20
End at: 2018-06-19 02:52:50
Local clock offset: 0.572 ms
Remote clock offset: 1.073 ms

# Below is generated by plot.py at 2018-06-19 05:25:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 40.324 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 40.324 ms
Loss rate: 0.29%
```

Run 4: Report of PCC-Expr — Data Link

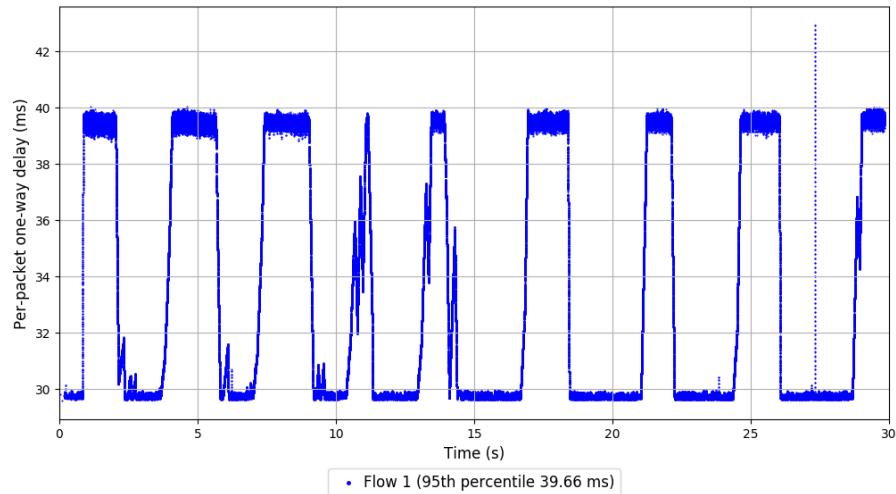
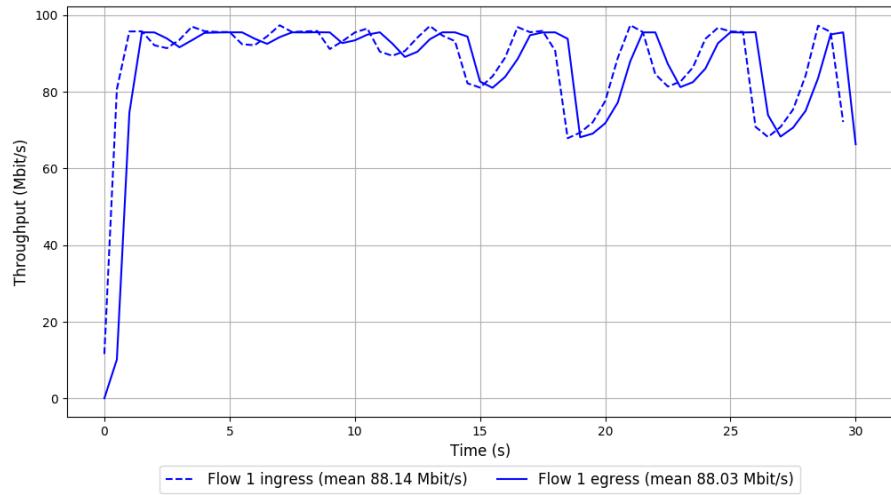


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-19 03:13:13
End at: 2018-06-19 03:13:43
Local clock offset: 1.136 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-19 05:26:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 39.655 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 39.655 ms
Loss rate: 0.32%
```

Run 5: Report of PCC-Expr — Data Link

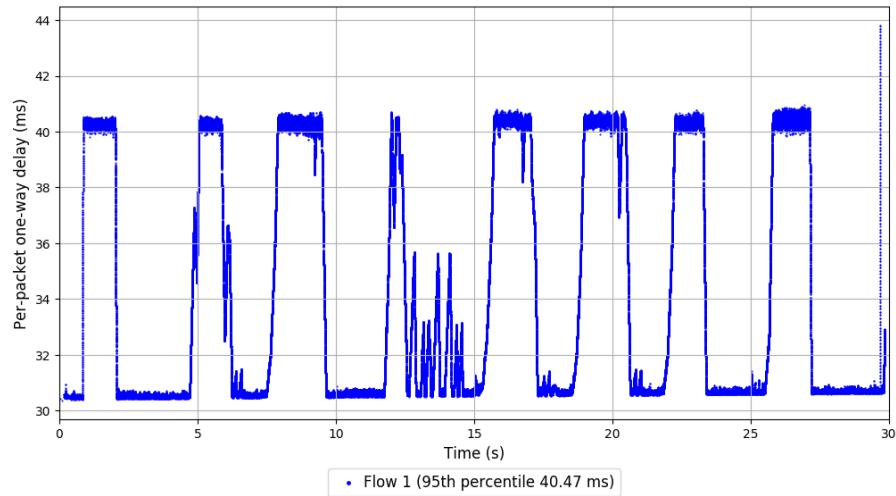
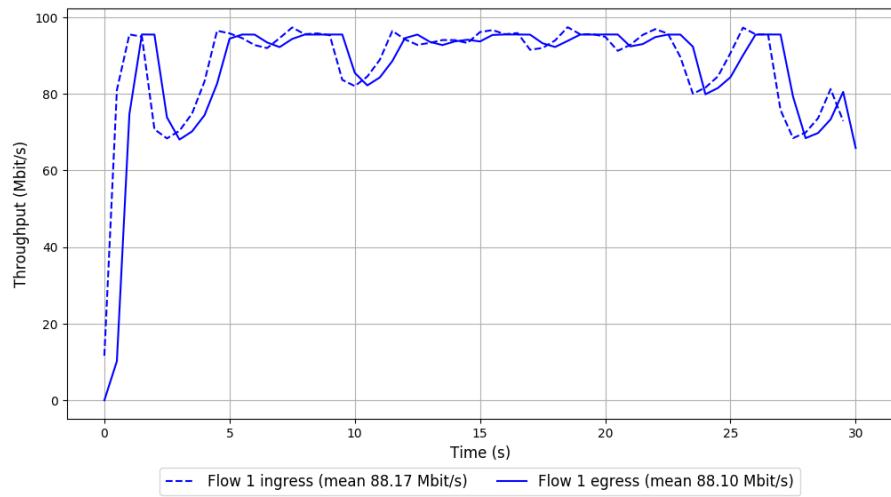


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-19 03:34:07
End at: 2018-06-19 03:34:37
Local clock offset: 1.58 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-06-19 05:26:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 40.467 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 40.467 ms
Loss rate: 0.29%
```

Run 6: Report of PCC-Expr — Data Link

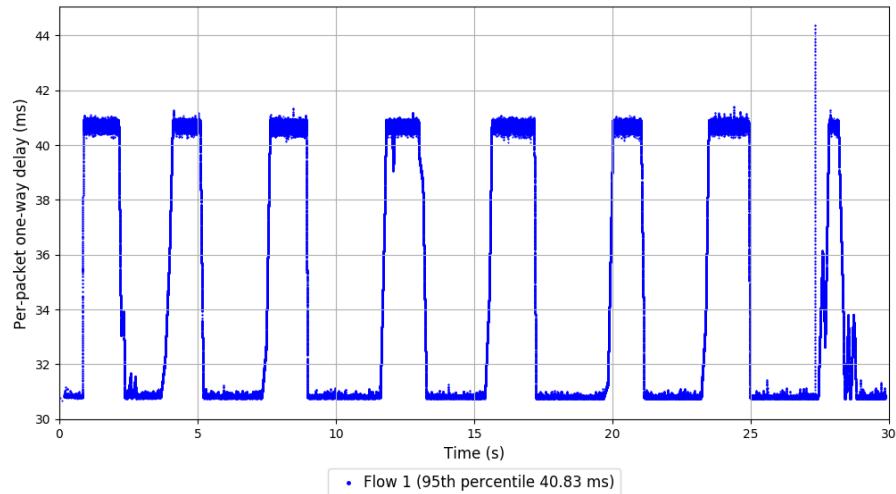
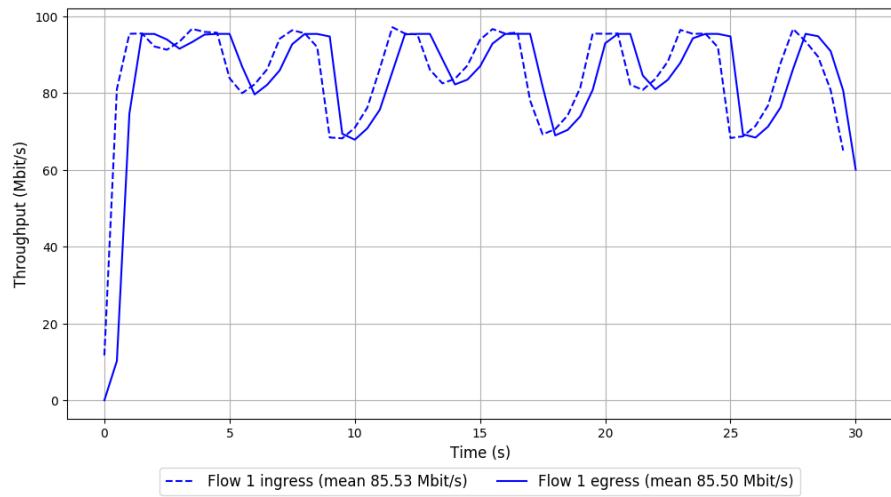


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-19 03:55:01
End at: 2018-06-19 03:55:31
Local clock offset: -2.507 ms
Remote clock offset: -0.755 ms

# Below is generated by plot.py at 2018-06-19 05:26:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 40.830 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 40.830 ms
Loss rate: 0.24%
```

Run 7: Report of PCC-Expr — Data Link

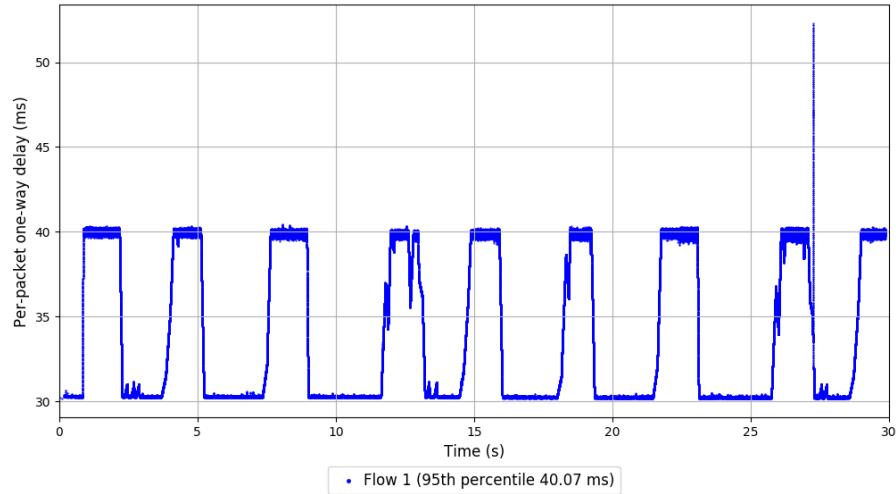
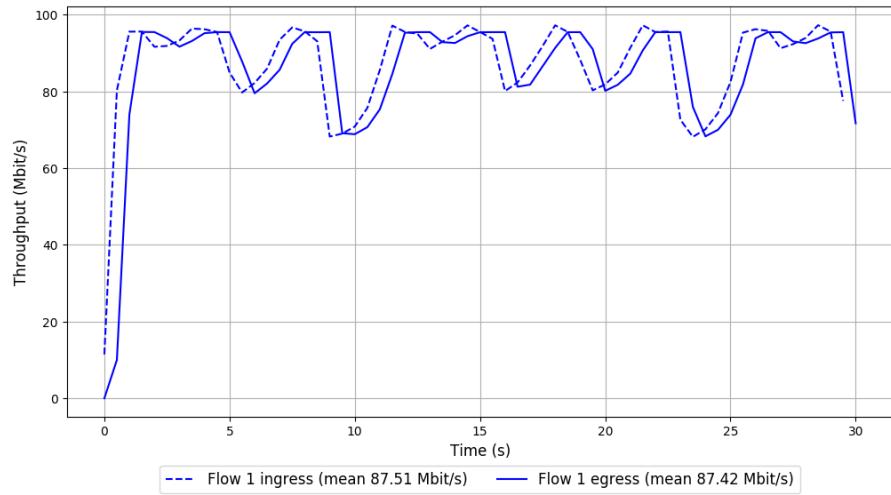


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-19 04:15:54
End at: 2018-06-19 04:16:24
Local clock offset: -0.508 ms
Remote clock offset: -1.095 ms

# Below is generated by plot.py at 2018-06-19 05:26:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 40.066 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 40.066 ms
Loss rate: 0.30%
```

Run 8: Report of PCC-Expr — Data Link

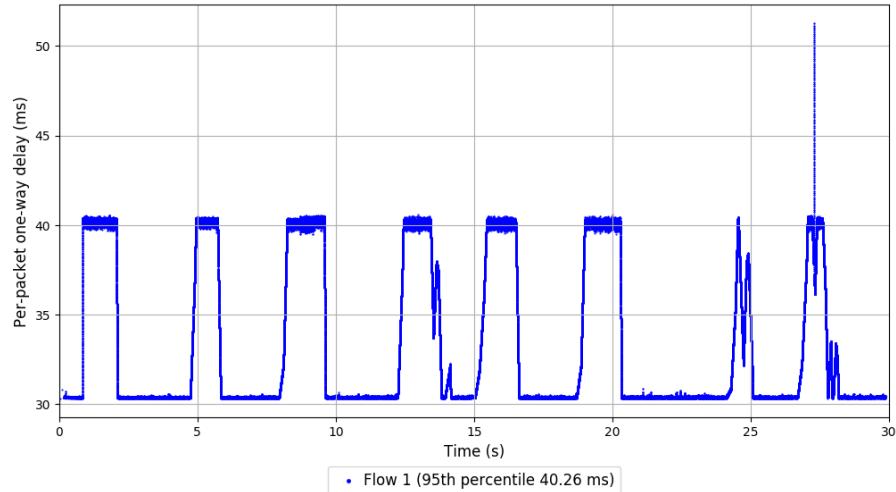
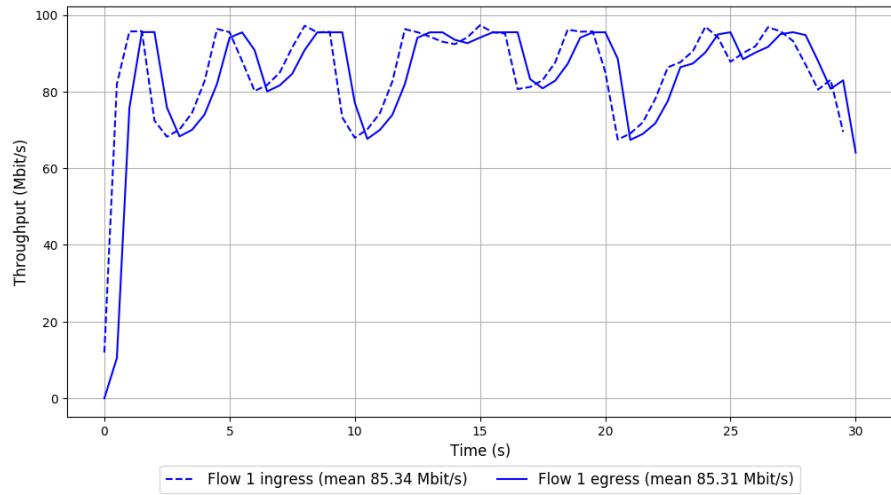


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-19 04:37:05
End at: 2018-06-19 04:37:35
Local clock offset: 0.462 ms
Remote clock offset: -1.057 ms

# Below is generated by plot.py at 2018-06-19 05:27:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 40.262 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 40.262 ms
Loss rate: 0.24%
```

Run 9: Report of PCC-Expr — Data Link

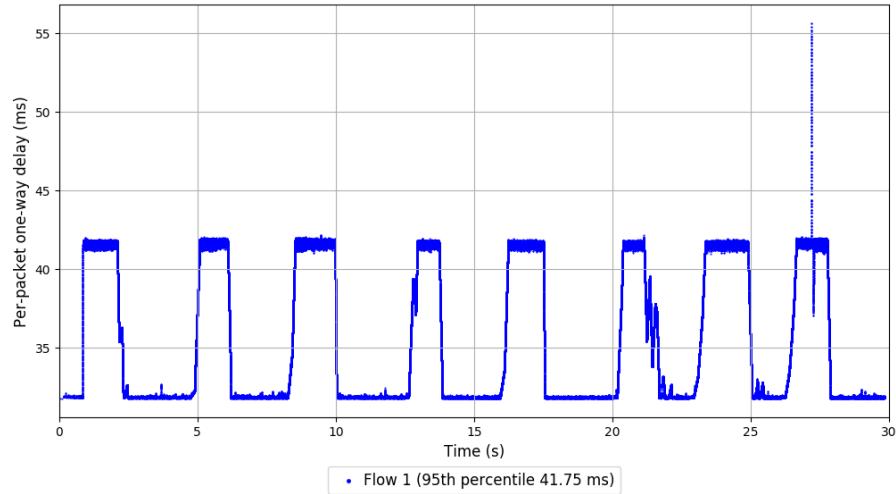
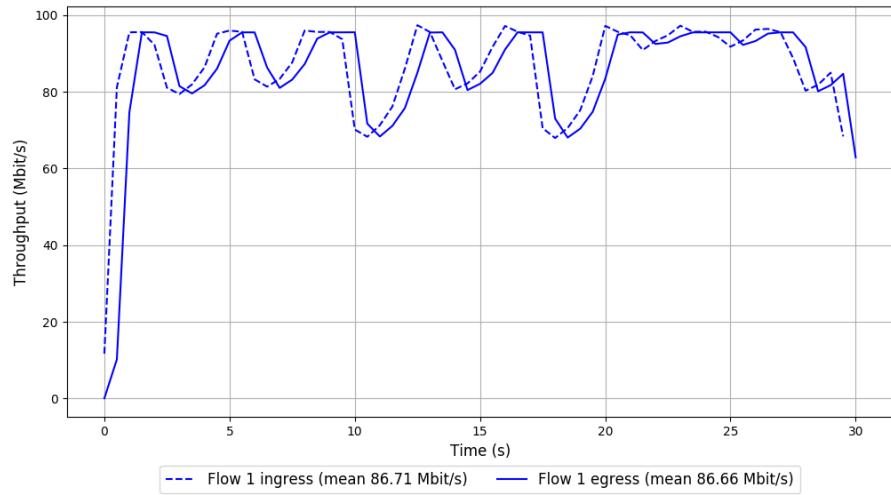


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-19 04:58:01
End at: 2018-06-19 04:58:31
Local clock offset: 0.876 ms
Remote clock offset: -2.666 ms

# Below is generated by plot.py at 2018-06-19 05:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 41.750 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 41.750 ms
Loss rate: 0.25%
```

Run 10: Report of PCC-Expr — Data Link

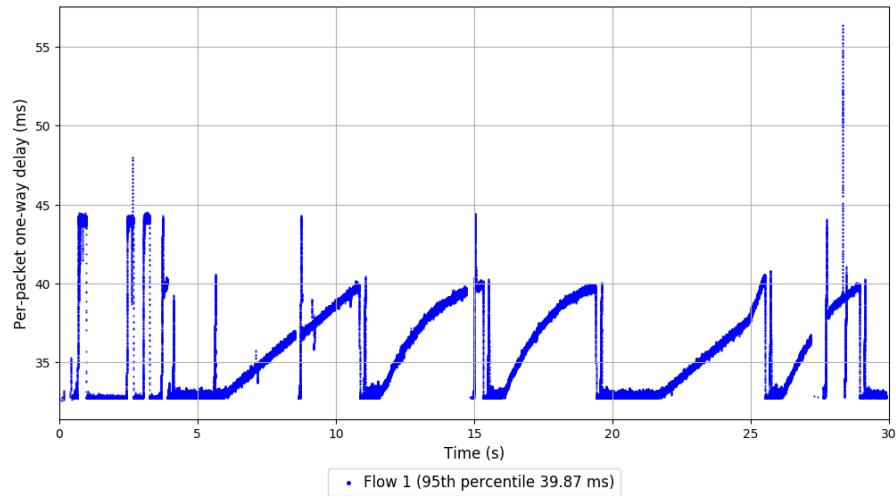
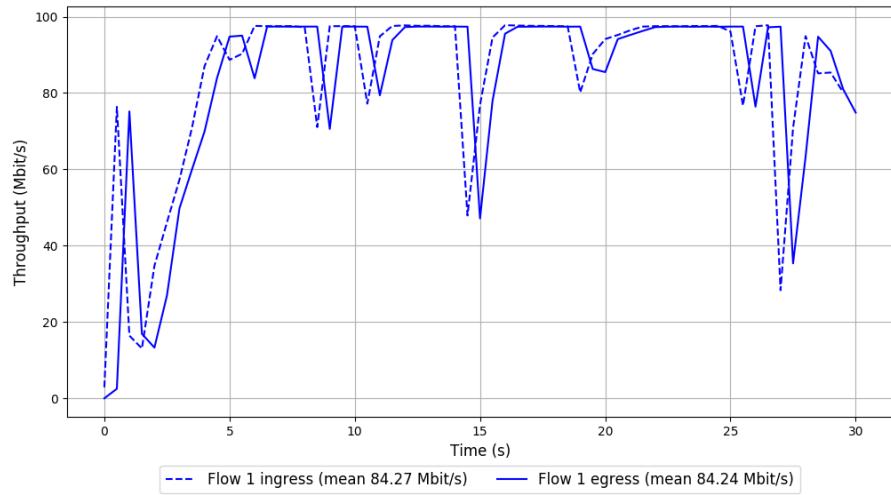


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-19 01:53:35
End at: 2018-06-19 01:54:05
Local clock offset: -2.845 ms
Remote clock offset: -2.016 ms

# Below is generated by plot.py at 2018-06-19 05:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 39.866 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 39.866 ms
Loss rate: 0.23%
```

Run 1: Report of QUIC Cubic — Data Link

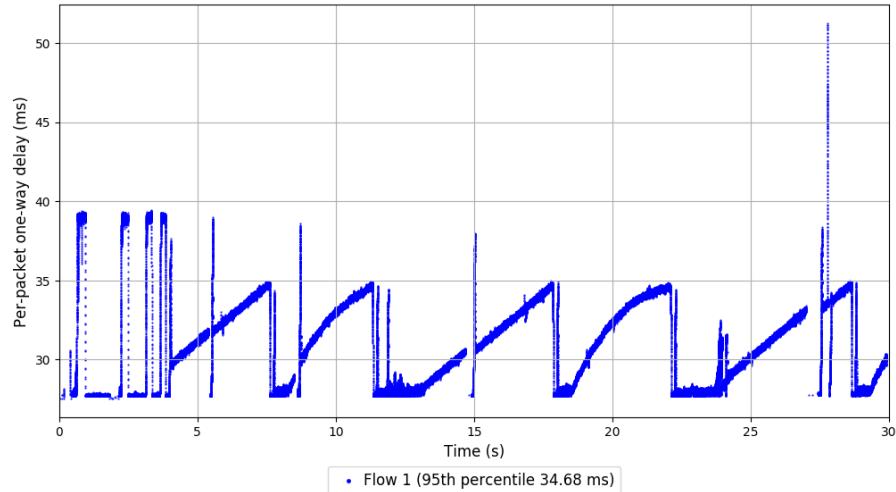
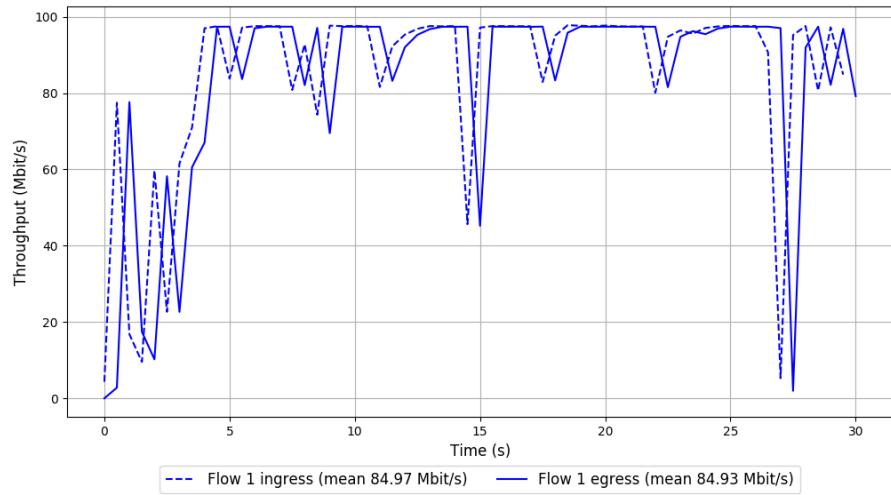


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-19 02:14:31
End at: 2018-06-19 02:15:01
Local clock offset: -4.015 ms
Remote clock offset: -1.214 ms

# Below is generated by plot.py at 2018-06-19 05:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 34.683 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 34.683 ms
Loss rate: 0.23%
```

Run 2: Report of QUIC Cubic — Data Link

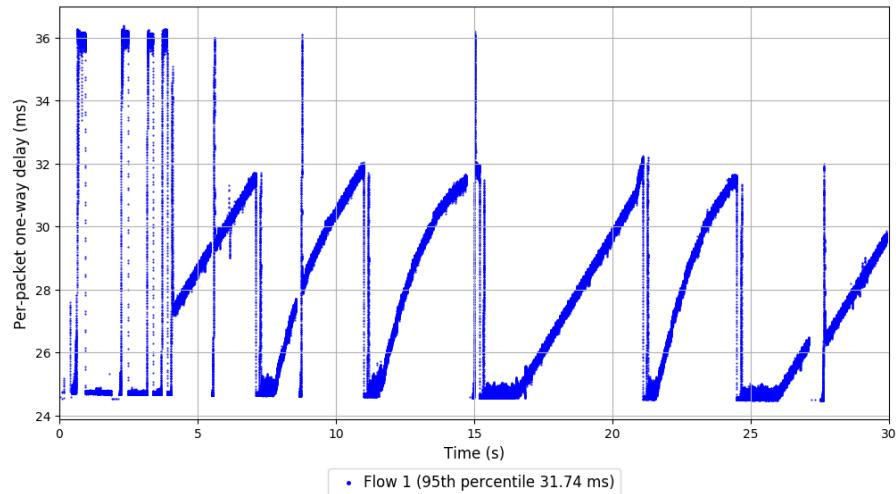
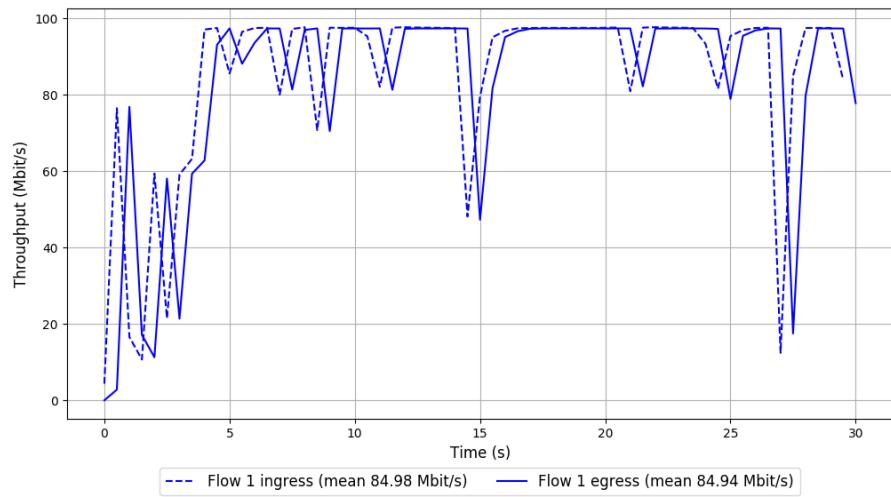


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-19 02:35:25
End at: 2018-06-19 02:35:55
Local clock offset: -4.111 ms
Remote clock offset: 2.117 ms

# Below is generated by plot.py at 2018-06-19 05:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 31.737 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 31.737 ms
Loss rate: 0.24%
```

Run 3: Report of QUIC Cubic — Data Link

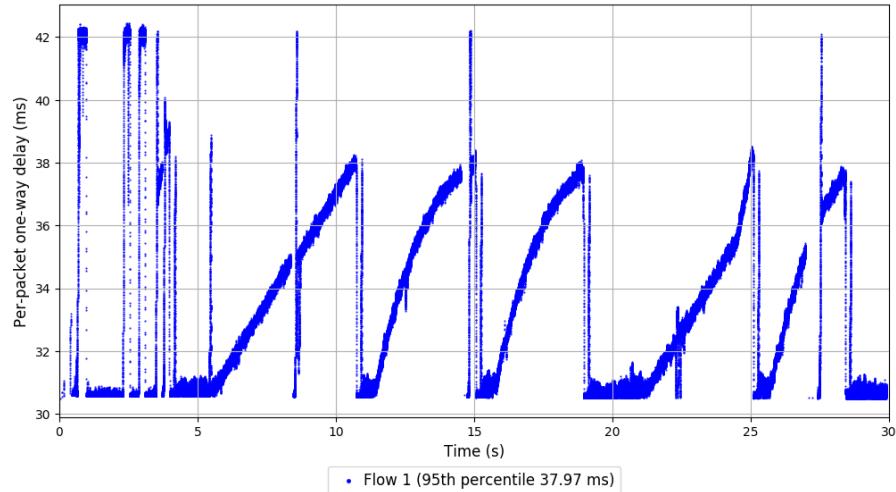
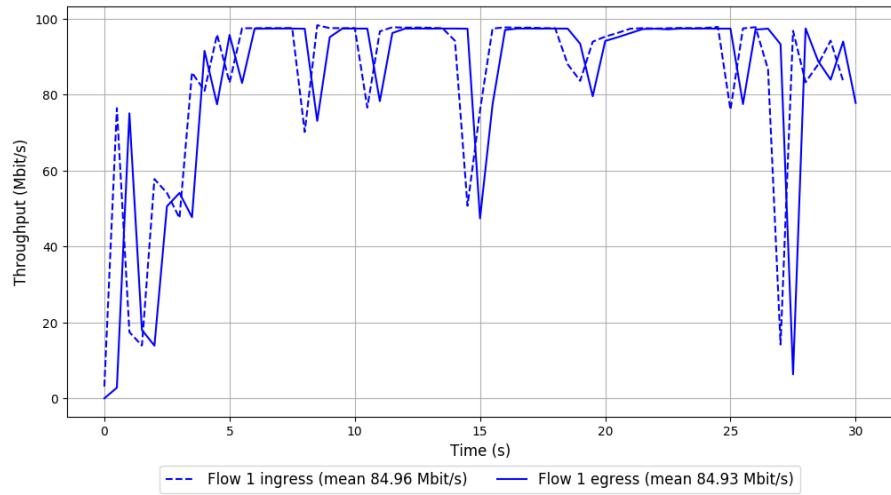


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-19 02:56:21
End at: 2018-06-19 02:56:51
Local clock offset: 1.117 ms
Remote clock offset: 0.68 ms

# Below is generated by plot.py at 2018-06-19 05:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 37.974 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 37.974 ms
Loss rate: 0.23%
```

Run 4: Report of QUIC Cubic — Data Link

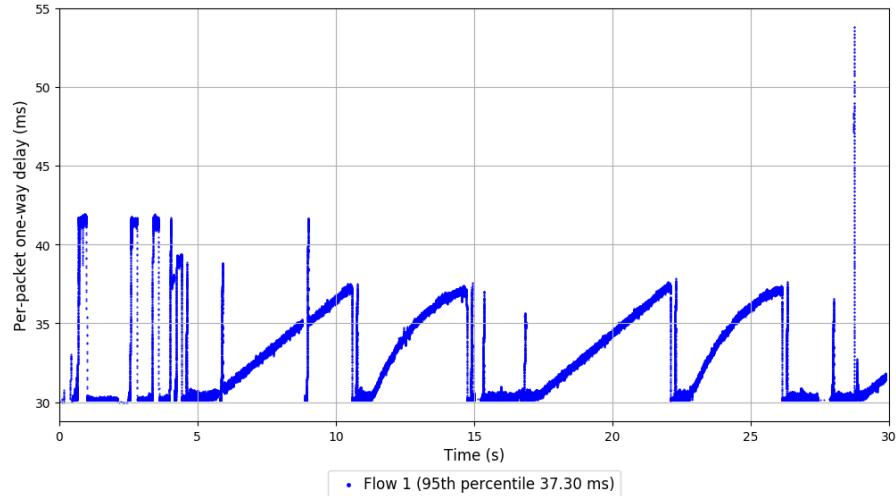
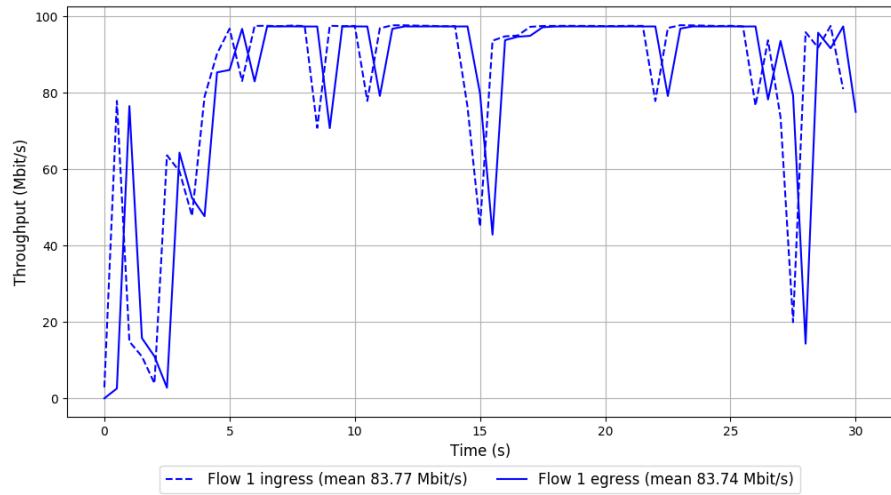


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-19 03:17:14
End at: 2018-06-19 03:17:44
Local clock offset: 1.241 ms
Remote clock offset: 0.444 ms

# Below is generated by plot.py at 2018-06-19 05:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.74 Mbit/s
95th percentile per-packet one-way delay: 37.298 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 83.74 Mbit/s
95th percentile per-packet one-way delay: 37.298 ms
Loss rate: 0.25%
```

Run 5: Report of QUIC Cubic — Data Link

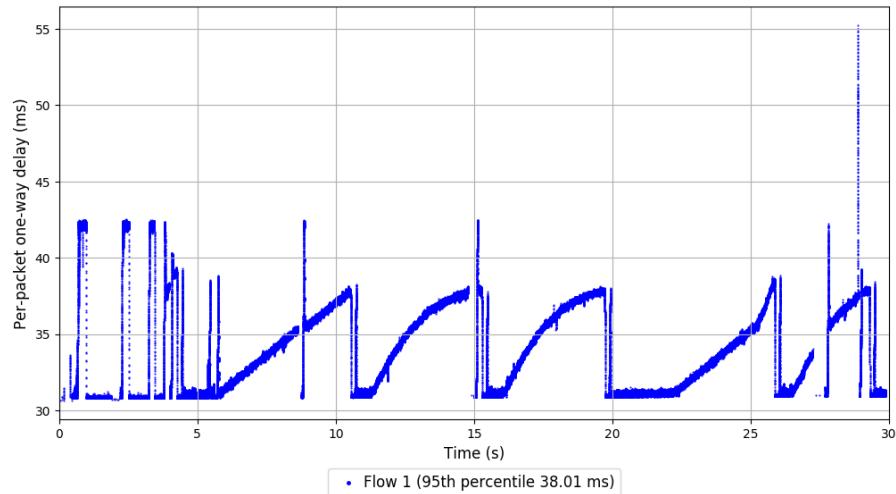
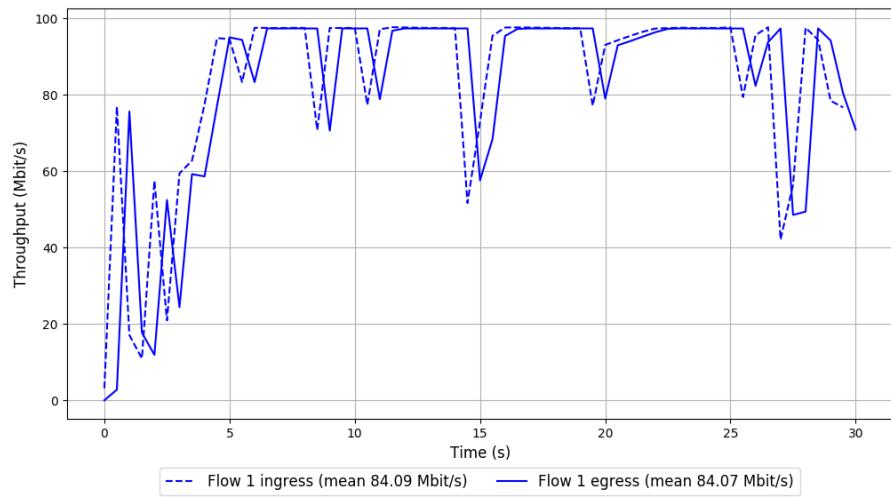


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-19 03:38:09
End at: 2018-06-19 03:38:39
Local clock offset: -0.027 ms
Remote clock offset: -0.367 ms

# Below is generated by plot.py at 2018-06-19 05:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 38.013 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 38.013 ms
Loss rate: 0.23%
```

Run 6: Report of QUIC Cubic — Data Link

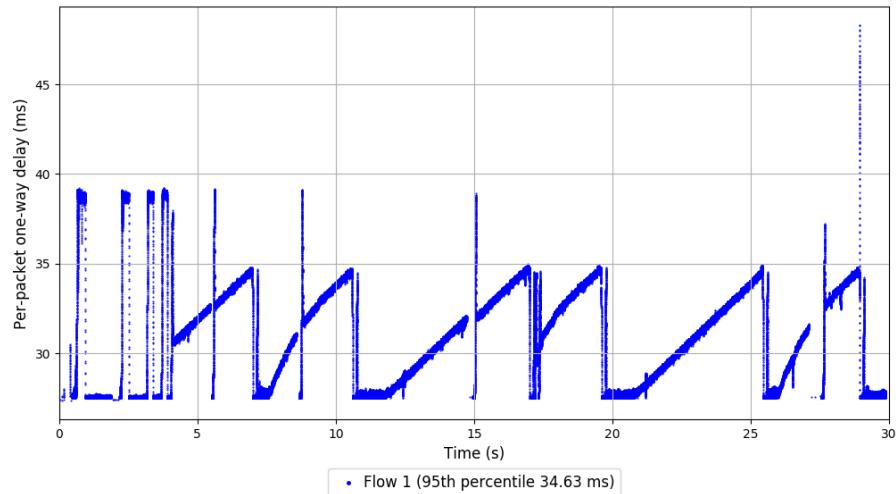
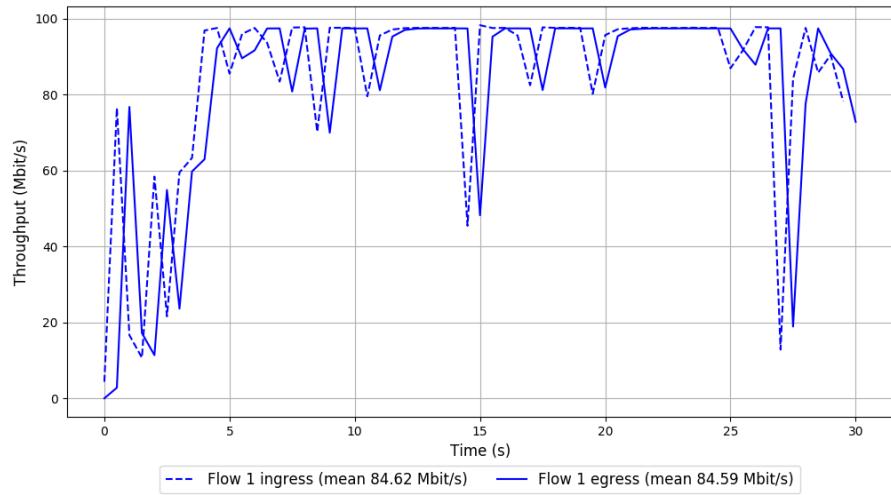


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-19 03:59:01
End at: 2018-06-19 03:59:31
Local clock offset: -2.723 ms
Remote clock offset: -2.94 ms

# Below is generated by plot.py at 2018-06-19 05:28:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 34.629 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 34.629 ms
Loss rate: 0.22%
```

Run 7: Report of QUIC Cubic — Data Link

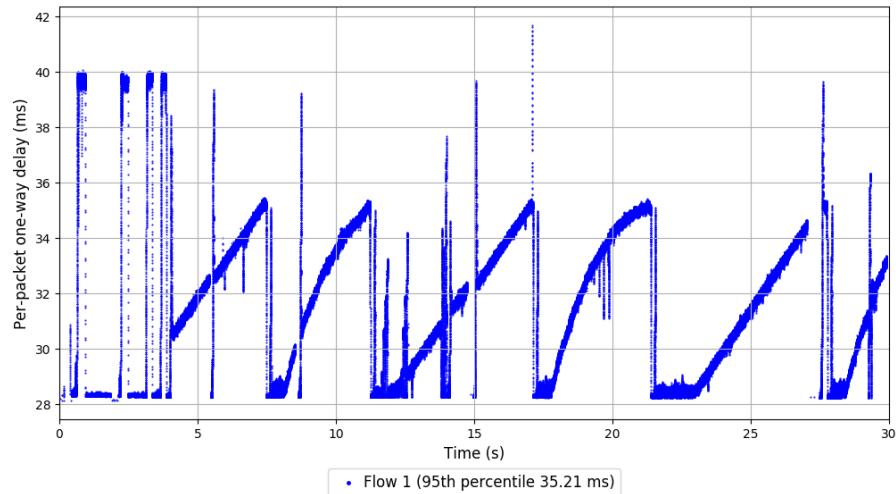
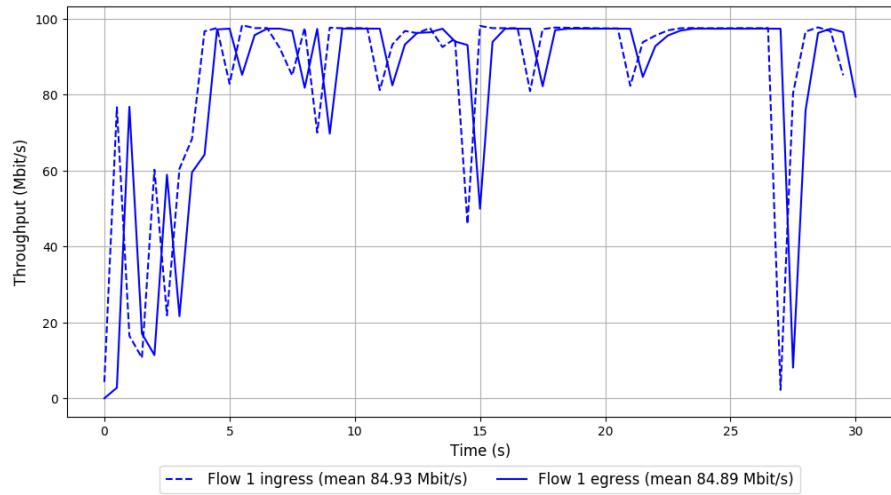


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-19 04:19:56
End at: 2018-06-19 04:20:26
Local clock offset: -0.228 ms
Remote clock offset: -3.639 ms

# Below is generated by plot.py at 2018-06-19 05:28:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.24%
```

Run 8: Report of QUIC Cubic — Data Link

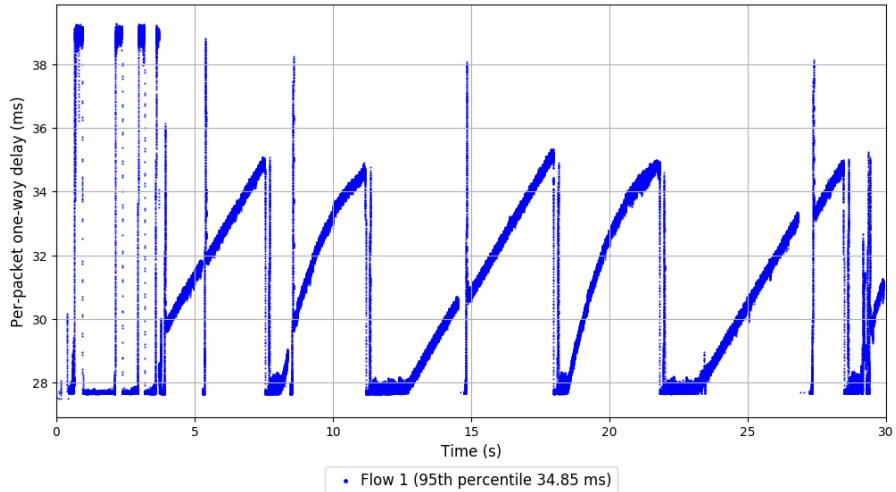
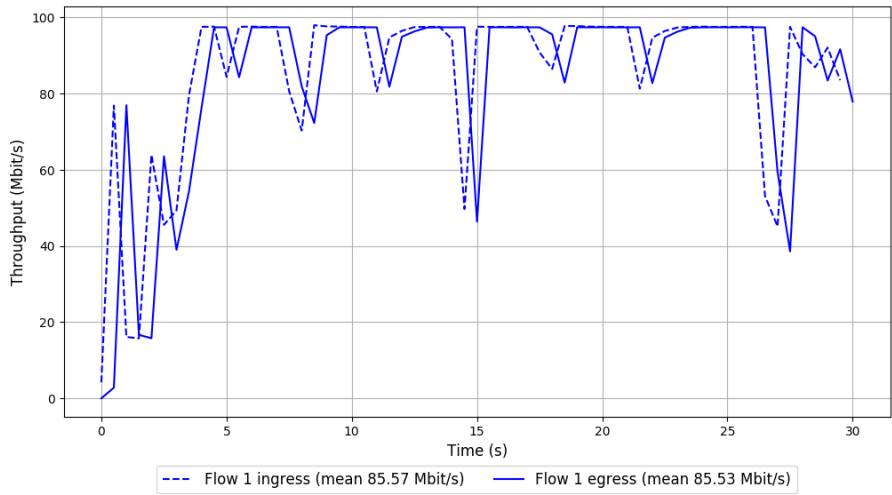


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-19 04:41:06
End at: 2018-06-19 04:41:36
Local clock offset: 0.556 ms
Remote clock offset: -2.91 ms

# Below is generated by plot.py at 2018-06-19 05:28:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 34.854 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 34.854 ms
Loss rate: 0.23%
```

Run 9: Report of QUIC Cubic — Data Link

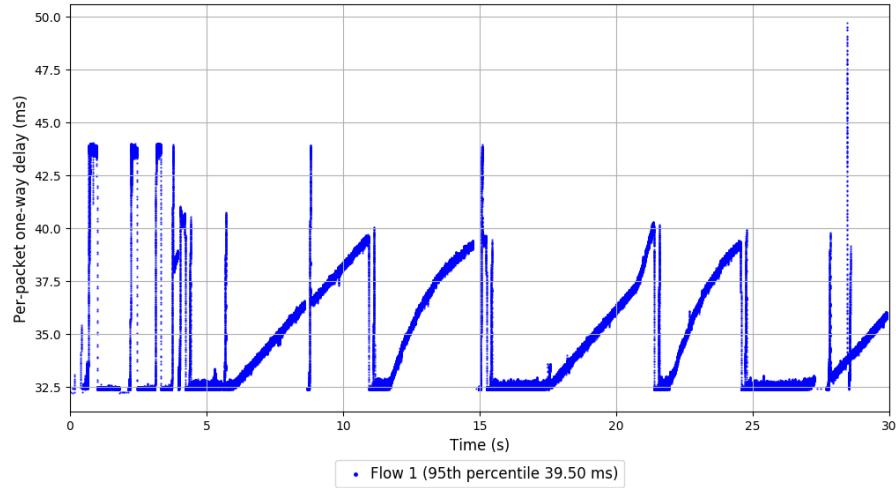
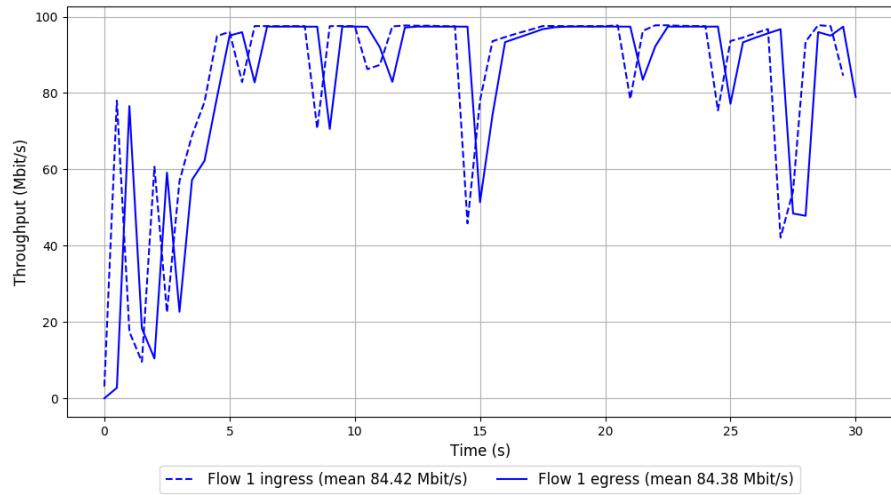


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-19 05:02:03
End at: 2018-06-19 05:02:33
Local clock offset: 0.879 ms
Remote clock offset: -2.555 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 39.499 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 39.499 ms
Loss rate: 0.25%
```

Run 10: Report of QUIC Cubic — Data Link

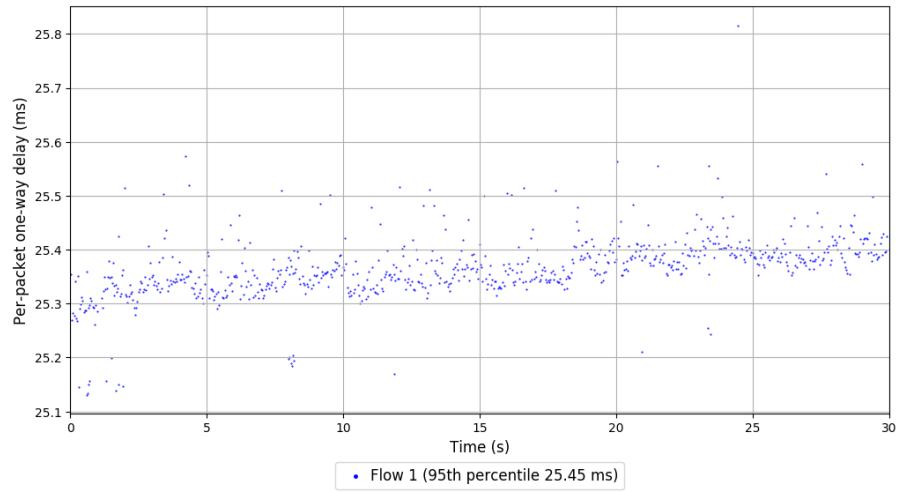
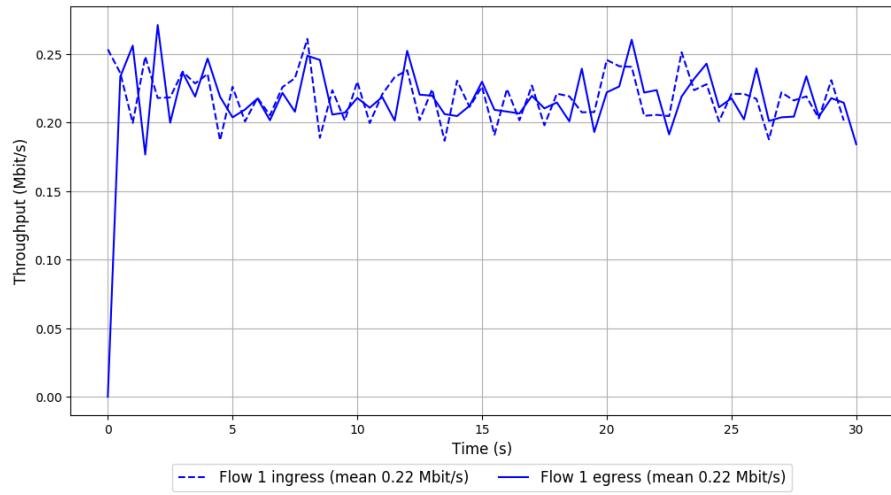


Run 1: Statistics of SCReAM

```
Start at: 2018-06-19 01:43:05
End at: 2018-06-19 01:43:35
Local clock offset: -1.786 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.453 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.453 ms
Loss rate: 0.26%
```

Run 1: Report of SCReAM — Data Link

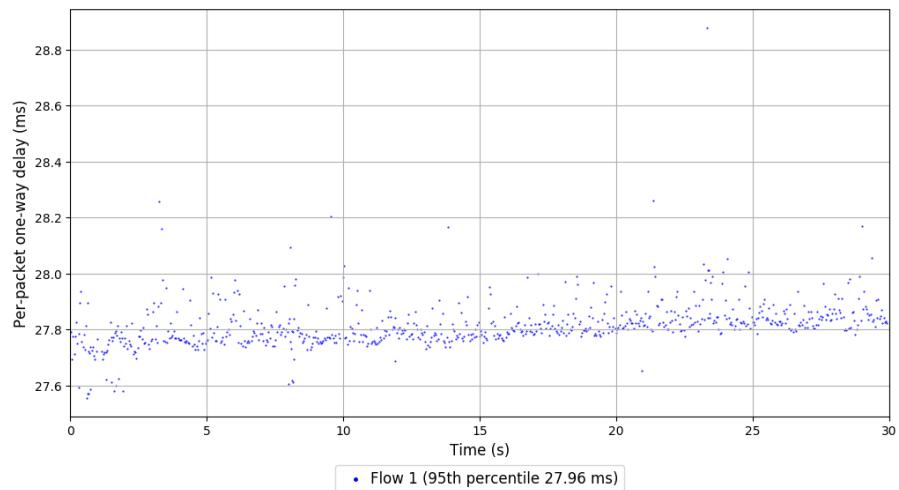
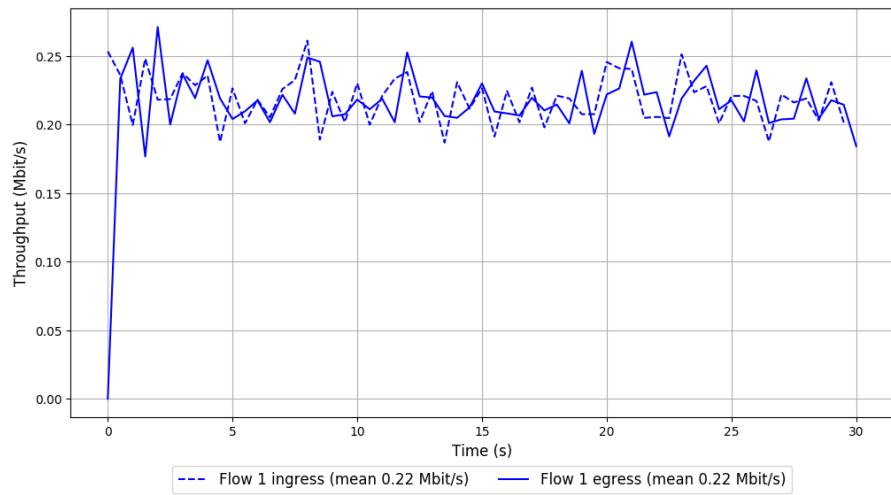


Run 2: Statistics of SCReAM

```
Start at: 2018-06-19 02:04:01
End at: 2018-06-19 02:04:31
Local clock offset: -3.487 ms
Remote clock offset: -1.652 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.956 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.956 ms
Loss rate: 0.26%
```

Run 2: Report of SCReAM — Data Link

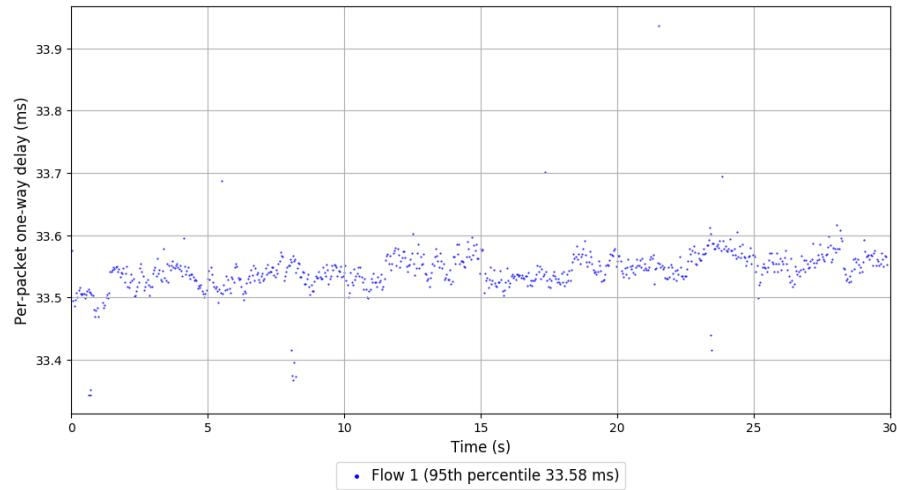
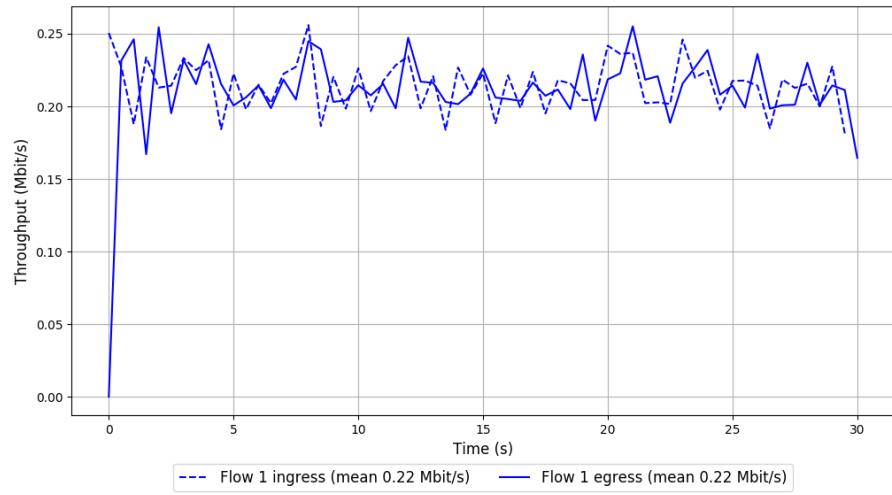


Run 3: Statistics of SCReAM

```
Start at: 2018-06-19 02:24:56
End at: 2018-06-19 02:25:26
Local clock offset: -4.583 ms
Remote clock offset: -0.861 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.583 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.583 ms
Loss rate: 0.26%
```

Run 3: Report of SCReAM — Data Link

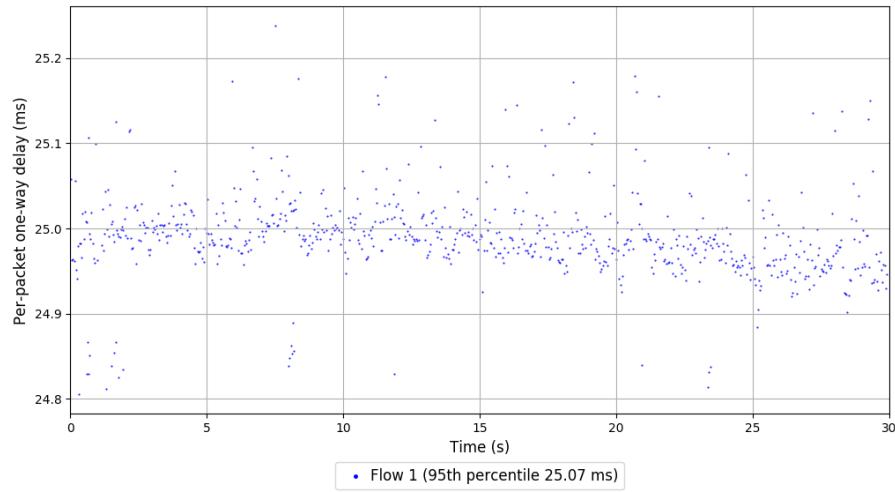
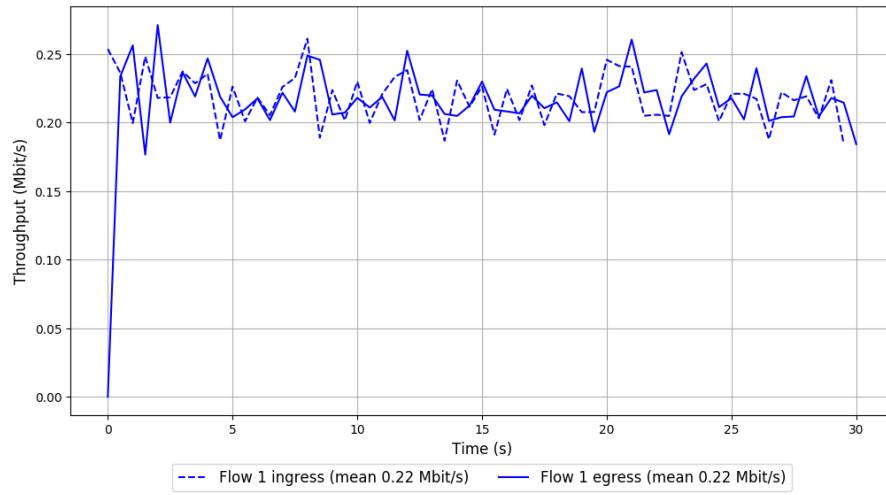


Run 4: Statistics of SCReAM

```
Start at: 2018-06-19 02:45:51
End at: 2018-06-19 02:46:21
Local clock offset: -0.455 ms
Remote clock offset: 2.523 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.073 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.073 ms
Loss rate: 0.13%
```

Run 4: Report of SCReAM — Data Link

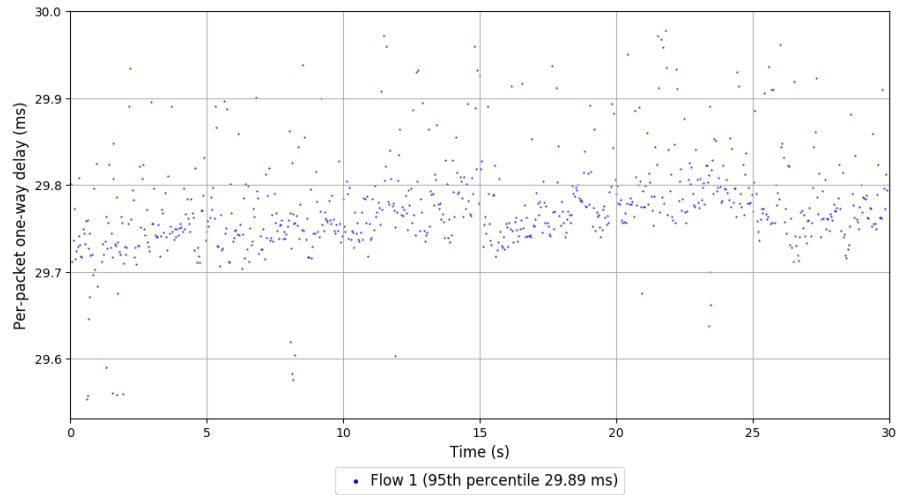
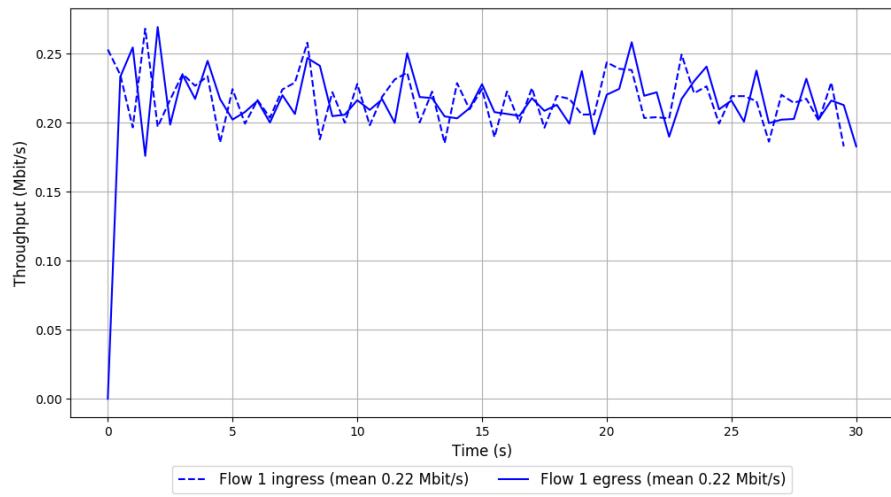


Run 5: Statistics of SCReAM

```
Start at: 2018-06-19 03:06:45
End at: 2018-06-19 03:07:15
Local clock offset: 1.43 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.894 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.894 ms
Loss rate: 0.13%
```

Run 5: Report of SCReAM — Data Link

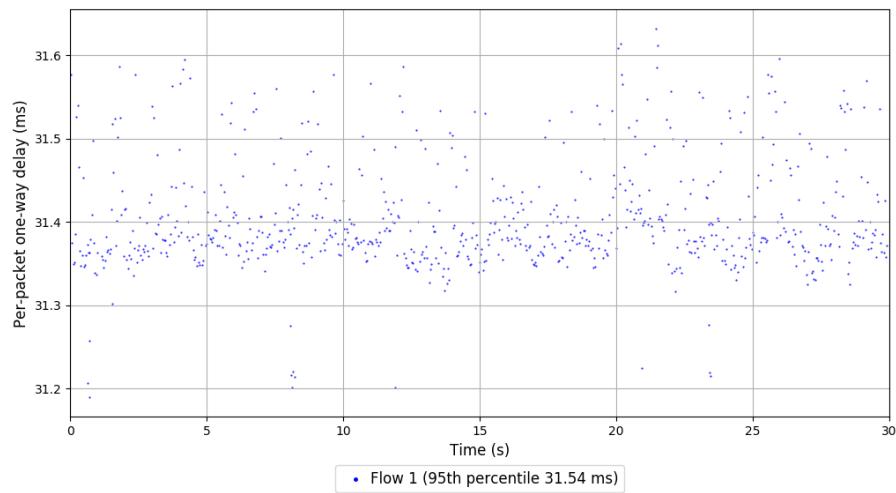
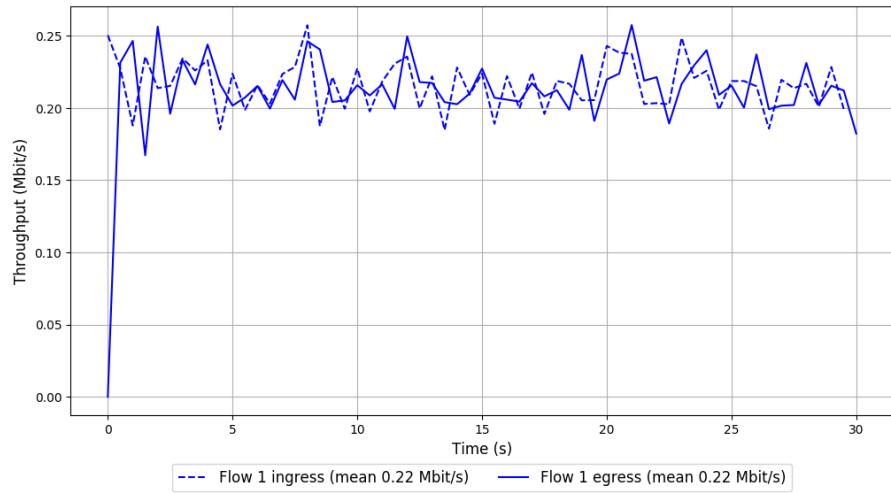


Run 6: Statistics of SCReAM

```
Start at: 2018-06-19 03:27:39
End at: 2018-06-19 03:28:09
Local clock offset: 1.347 ms
Remote clock offset: -0.299 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.540 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.540 ms
Loss rate: 0.26%
```

Run 6: Report of SCReAM — Data Link

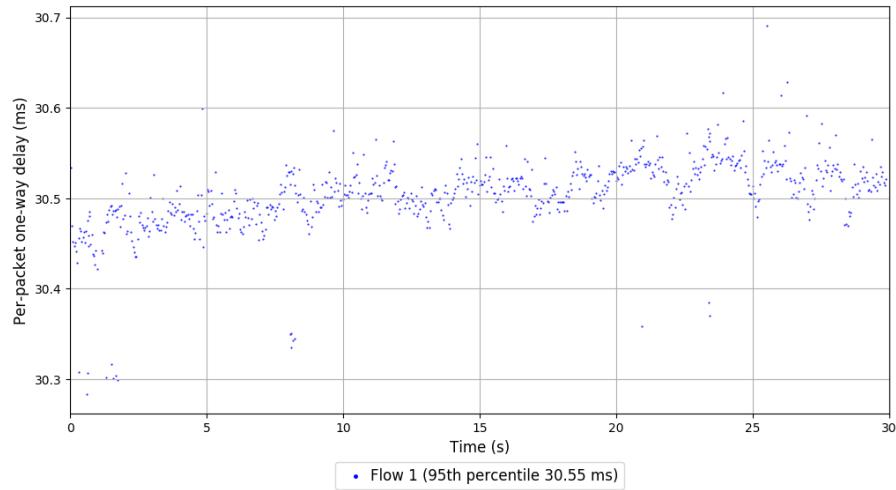
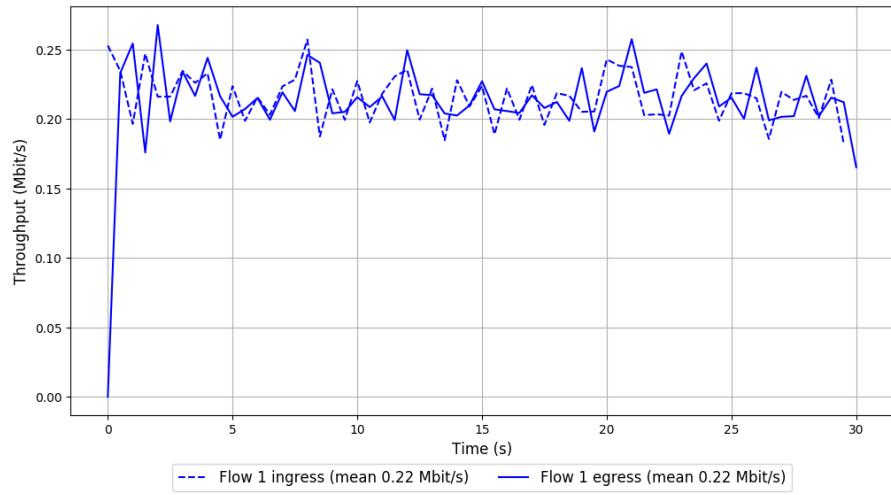


Run 7: Statistics of SCReAM

```
Start at: 2018-06-19 03:48:33
End at: 2018-06-19 03:49:03
Local clock offset: -2.023 ms
Remote clock offset: -0.507 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 0.26%
```

Run 7: Report of SCReAM — Data Link

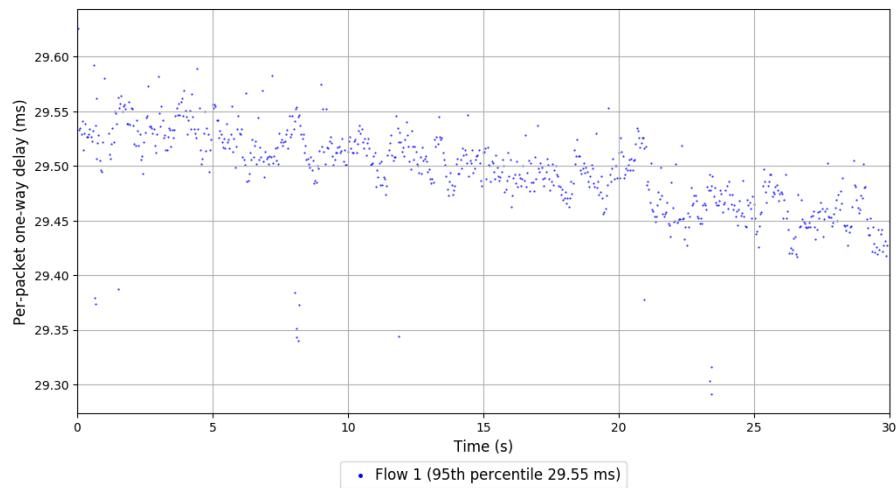
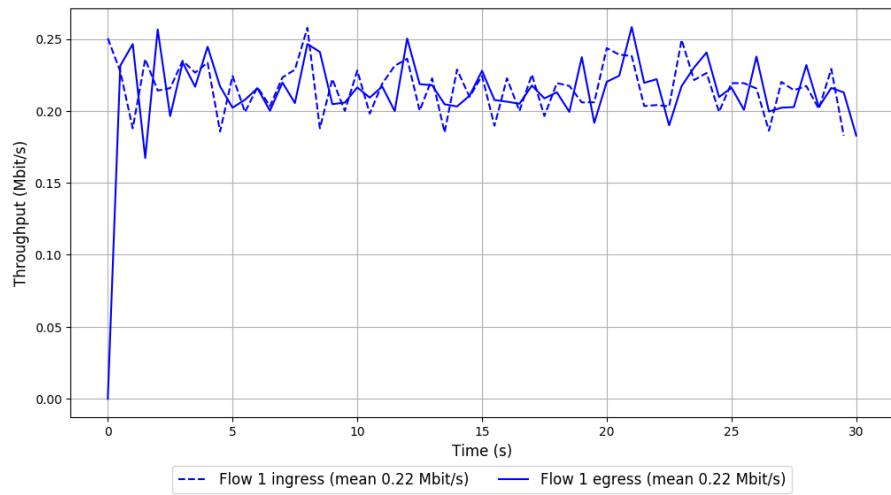


Run 8: Statistics of SCReAM

```
Start at: 2018-06-19 04:09:26
End at: 2018-06-19 04:09:56
Local clock offset: -1.505 ms
Remote clock offset: -1.265 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.552 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.552 ms
Loss rate: 0.13%
```

Run 8: Report of SCReAM — Data Link

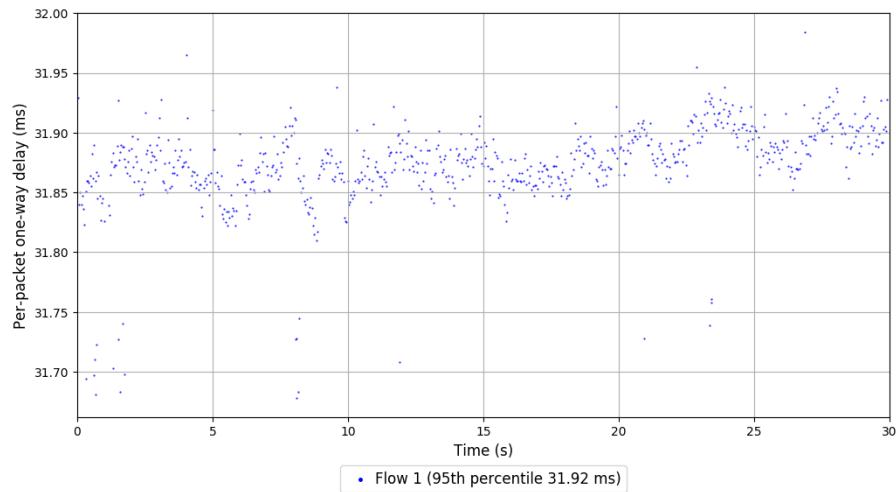
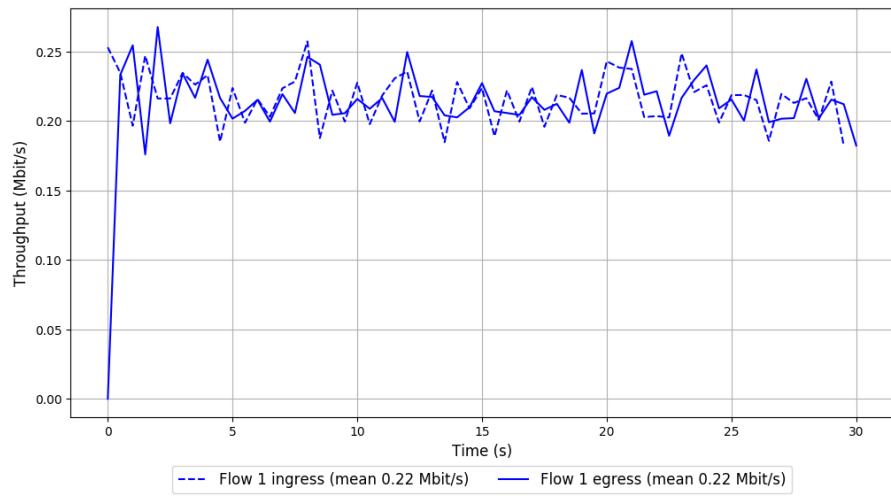


Run 9: Statistics of SCReAM

```
Start at: 2018-06-19 04:30:36
End at: 2018-06-19 04:31:06
Local clock offset: 0.442 ms
Remote clock offset: -3.684 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.917 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.917 ms
Loss rate: 0.13%
```

Run 9: Report of SCReAM — Data Link

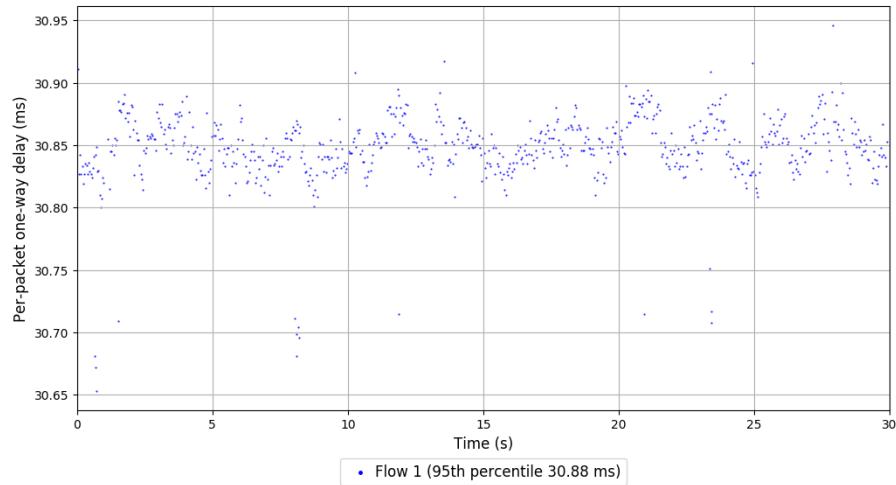
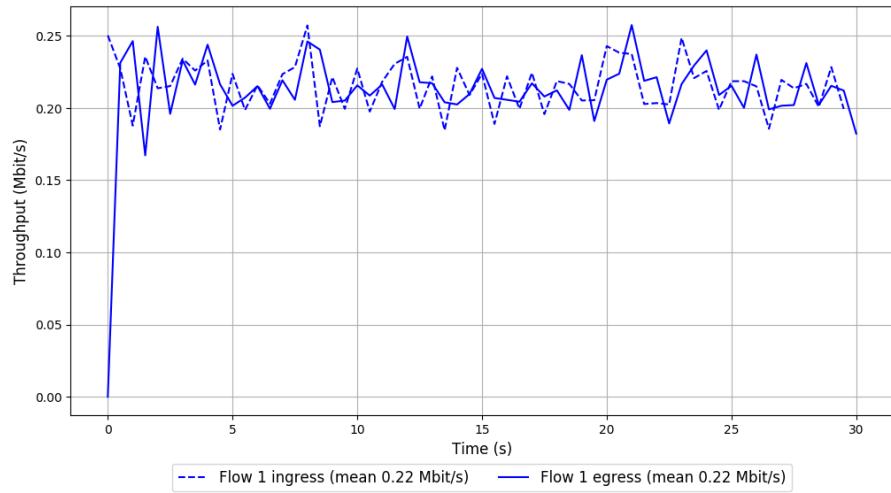


Run 10: Statistics of SCReAM

```
Start at: 2018-06-19 04:51:32
End at: 2018-06-19 04:52:02
Local clock offset: 0.657 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.883 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.883 ms
Loss rate: 0.26%
```

Run 10: Report of SCReAM — Data Link

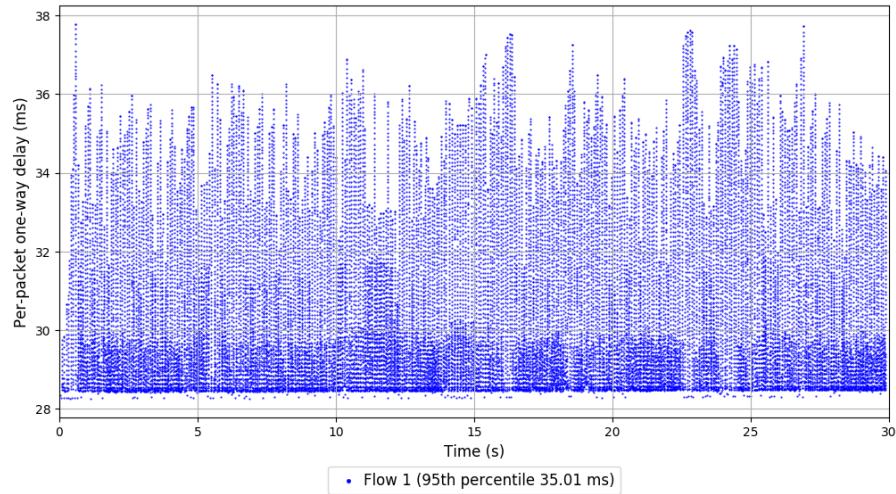
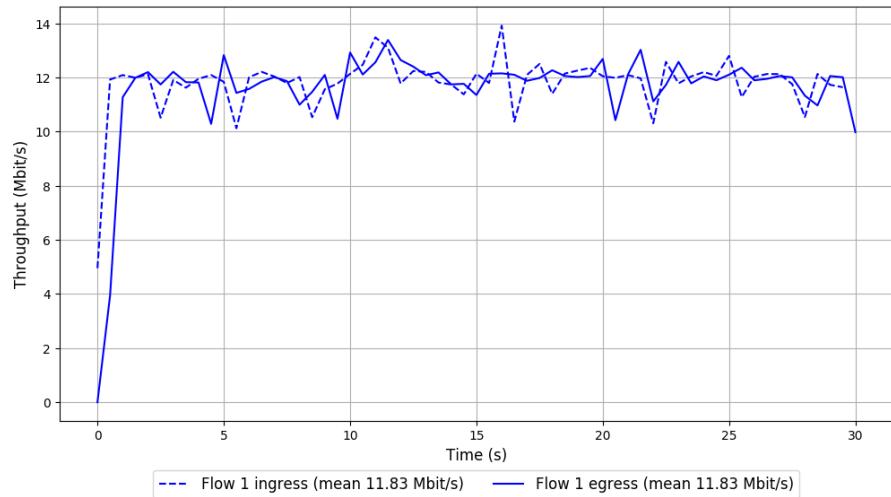


Run 1: Statistics of Sprout

```
Start at: 2018-06-19 02:00:10
End at: 2018-06-19 02:00:40
Local clock offset: -3.367 ms
Remote clock offset: -1.778 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 35.009 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 35.009 ms
Loss rate: 0.26%
```

Run 1: Report of Sprout — Data Link

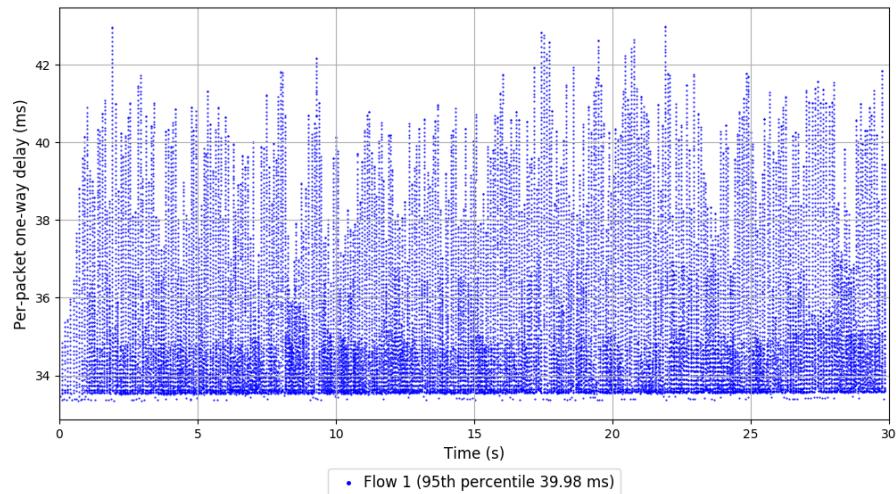
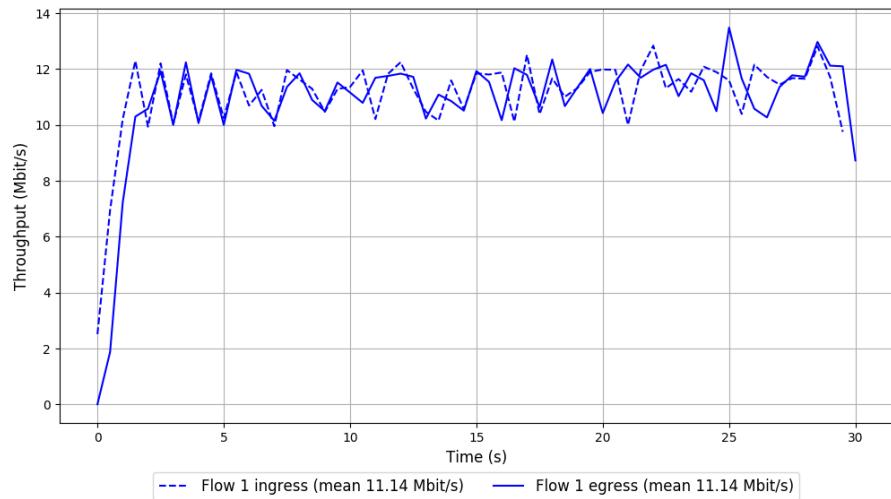


Run 2: Statistics of Sprout

```
Start at: 2018-06-19 02:21:06
End at: 2018-06-19 02:21:36
Local clock offset: -4.302 ms
Remote clock offset: -0.968 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 39.983 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 39.983 ms
Loss rate: 0.30%
```

Run 2: Report of Sprout — Data Link

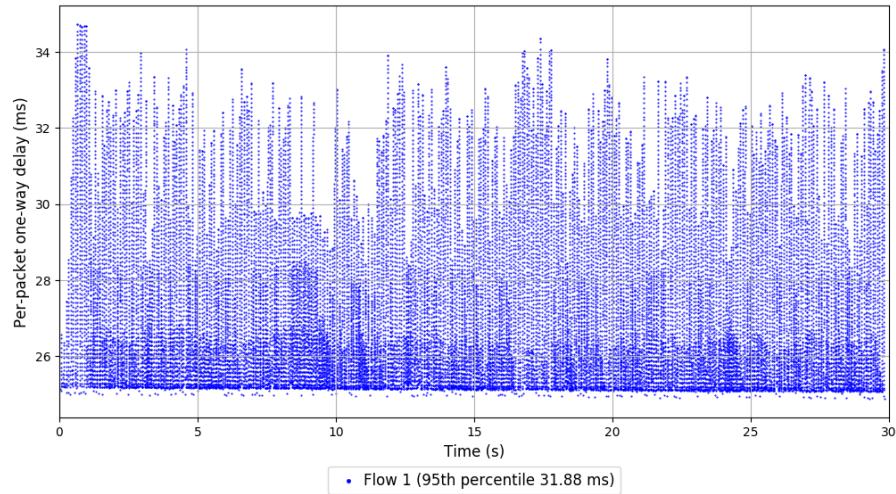
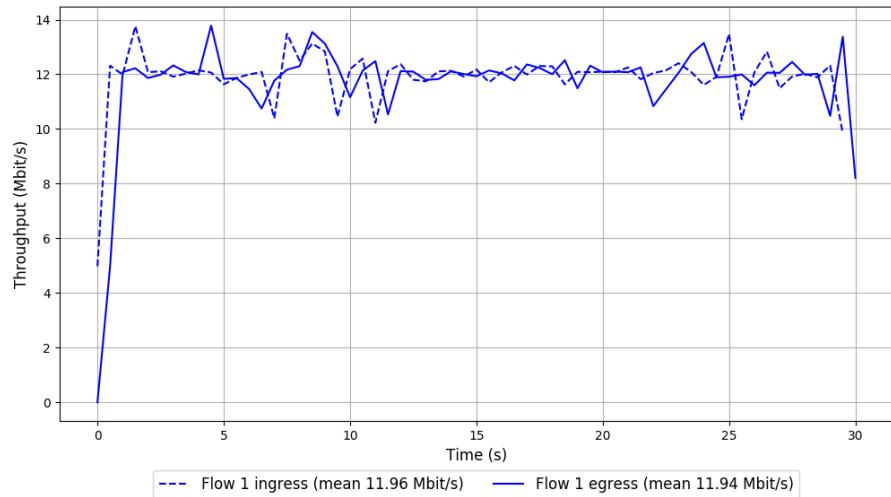


Run 3: Statistics of Sprout

```
Start at: 2018-06-19 02:42:00
End at: 2018-06-19 02:42:30
Local clock offset: -1.311 ms
Remote clock offset: 2.324 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 31.878 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 31.878 ms
Loss rate: 0.28%
```

Run 3: Report of Sprout — Data Link

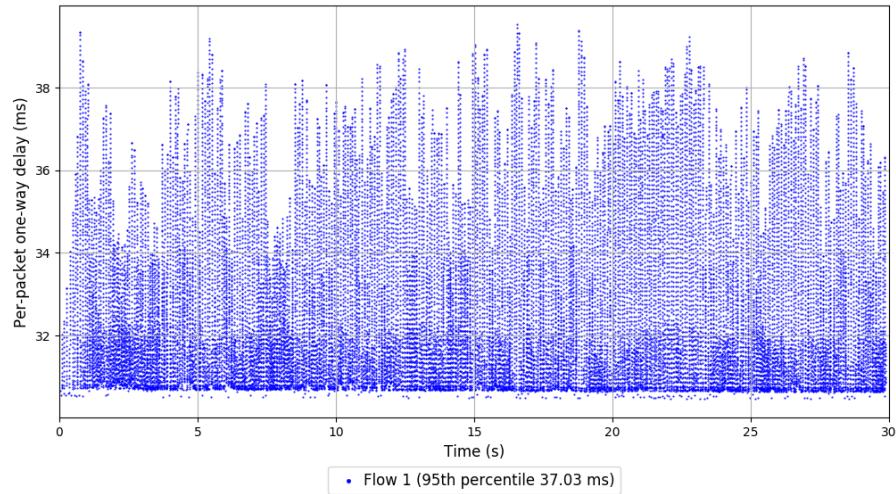
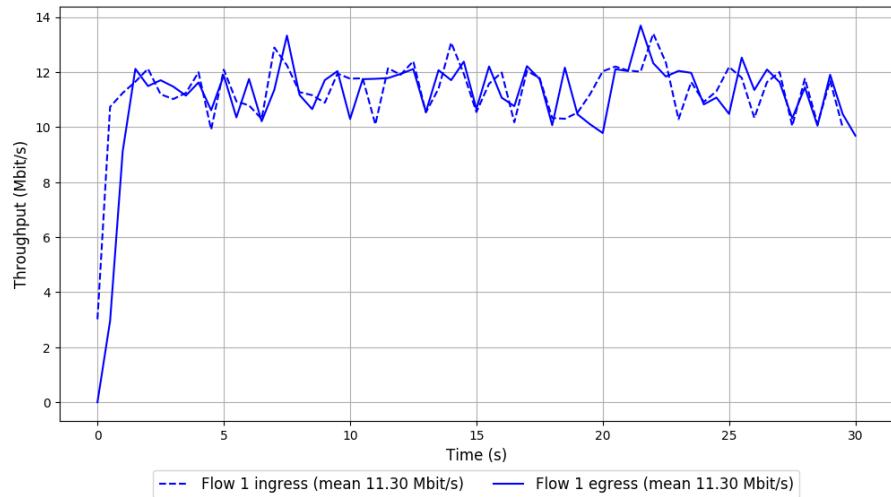


Run 4: Statistics of Sprout

```
Start at: 2018-06-19 03:02:55
End at: 2018-06-19 03:03:25
Local clock offset: 1.683 ms
Remote clock offset: 0.264 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 37.029 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 37.029 ms
Loss rate: 0.25%
```

Run 4: Report of Sprout — Data Link

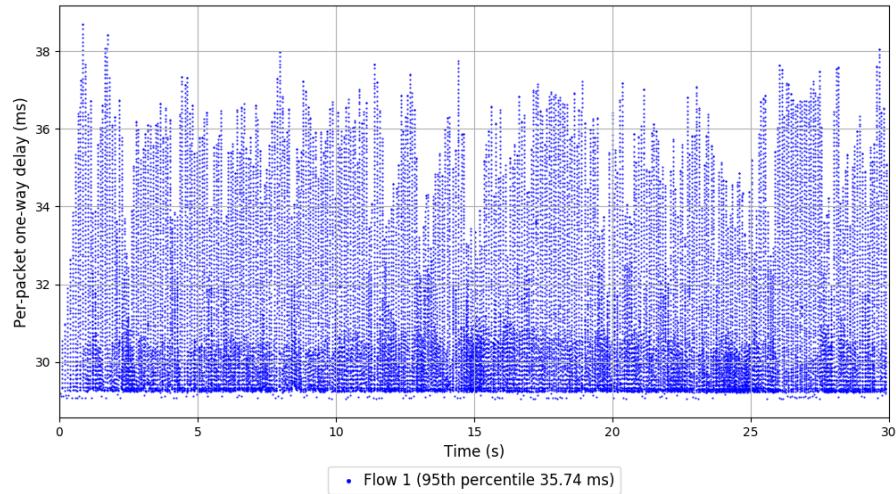
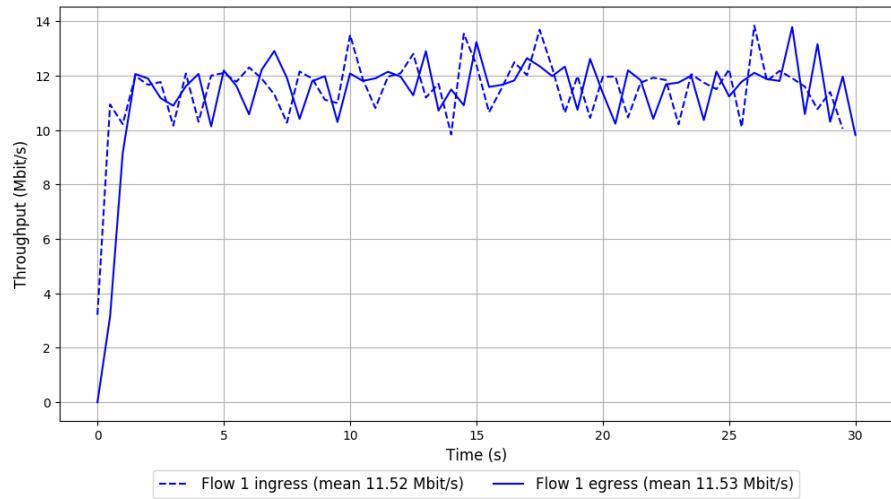


Run 5: Statistics of Sprout

```
Start at: 2018-06-19 03:23:48
End at: 2018-06-19 03:24:18
Local clock offset: 1.268 ms
Remote clock offset: 0.301 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 35.739 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 35.739 ms
Loss rate: 0.03%
```

Run 5: Report of Sprout — Data Link

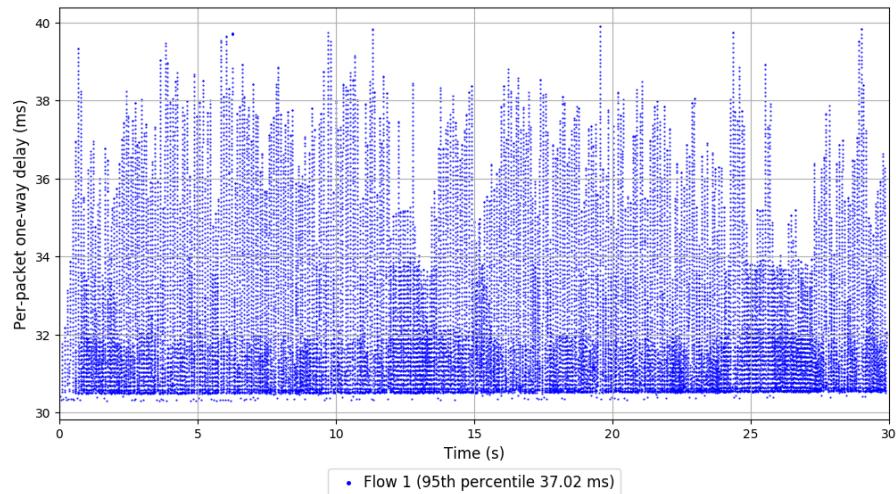
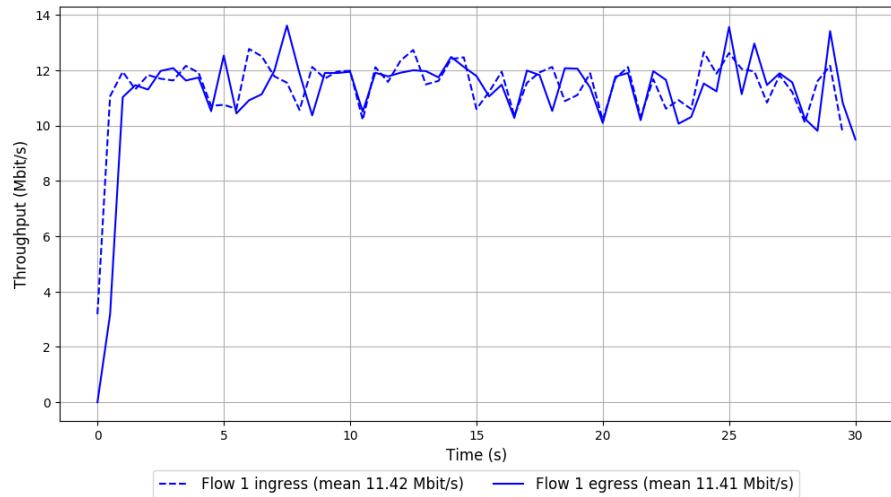


Run 6: Statistics of Sprout

```
Start at: 2018-06-19 03:44:43
End at: 2018-06-19 03:45:13
Local clock offset: -1.533 ms
Remote clock offset: -0.427 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 37.024 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 37.024 ms
Loss rate: 0.23%
```

Run 6: Report of Sprout — Data Link

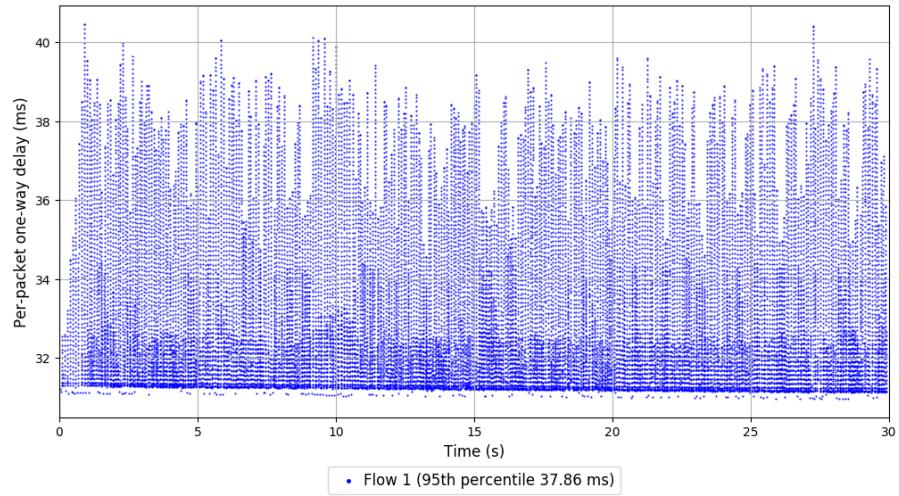
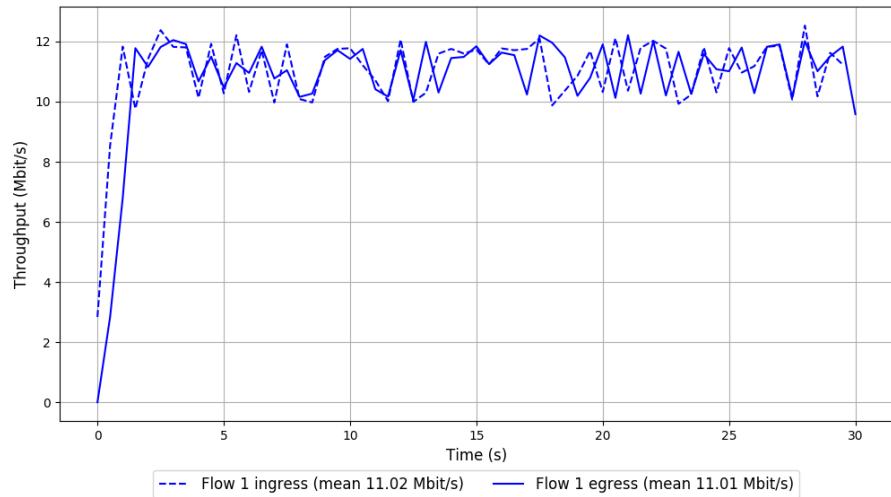


Run 7: Statistics of Sprout

```
Start at: 2018-06-19 04:05:35
End at: 2018-06-19 04:06:06
Local clock offset: -2.397 ms
Remote clock offset: -1.249 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 37.857 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 37.857 ms
Loss rate: 0.25%
```

Run 7: Report of Sprout — Data Link

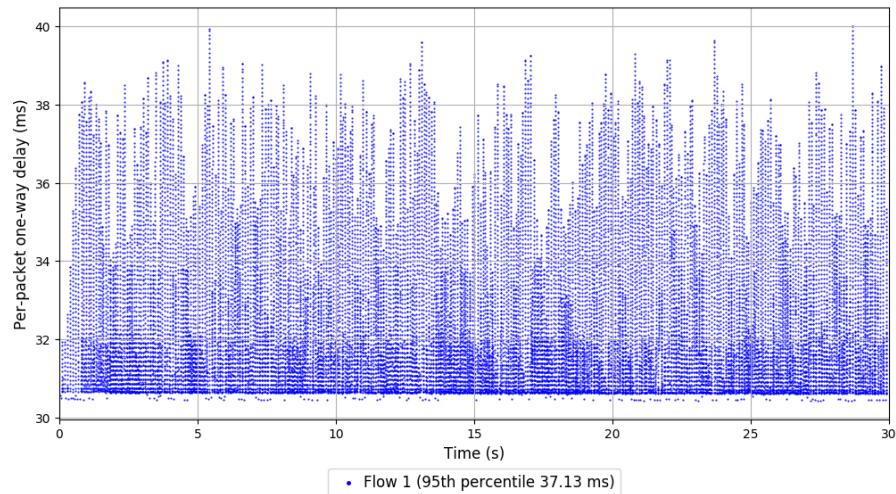
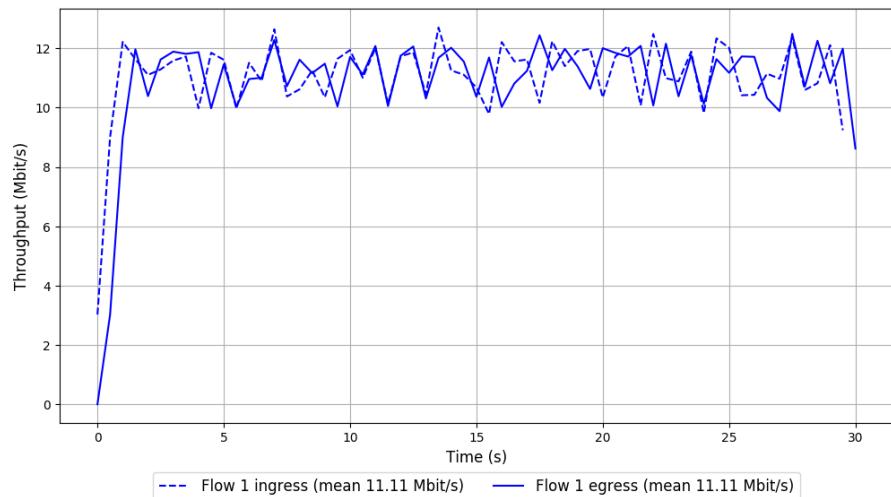


Run 8: Statistics of Sprout

```
Start at: 2018-06-19 04:26:45
End at: 2018-06-19 04:27:15
Local clock offset: 0.207 ms
Remote clock offset: -1.731 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 37.127 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 37.127 ms
Loss rate: 0.11%
```

Run 8: Report of Sprout — Data Link

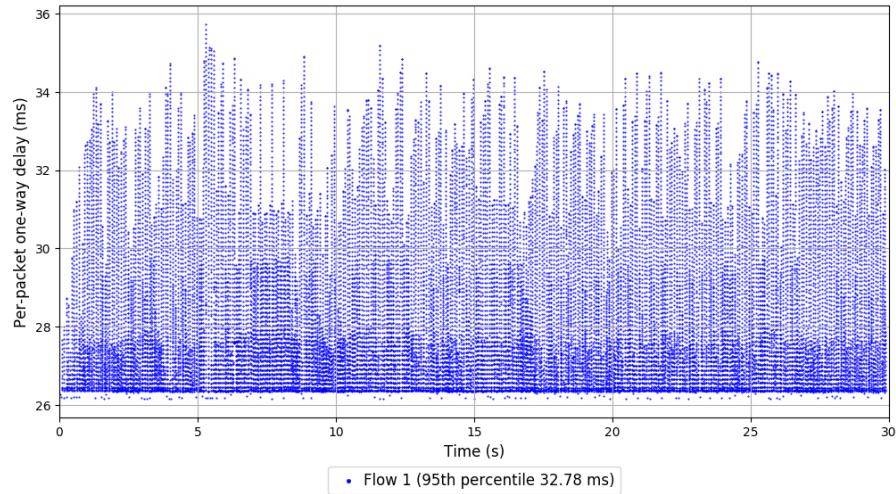
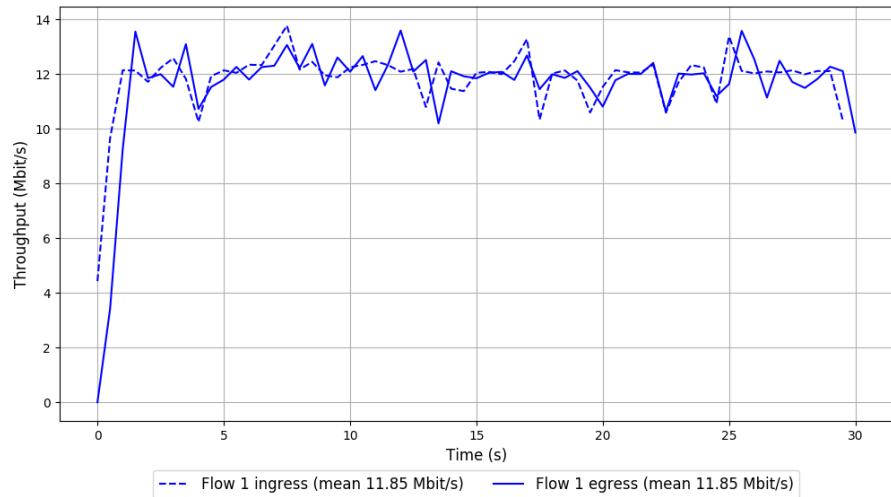


Run 9: Statistics of Sprout

```
Start at: 2018-06-19 04:47:42
End at: 2018-06-19 04:48:12
Local clock offset: 0.664 ms
Remote clock offset: -0.69 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 32.777 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 32.777 ms
Loss rate: 0.27%
```

Run 9: Report of Sprout — Data Link

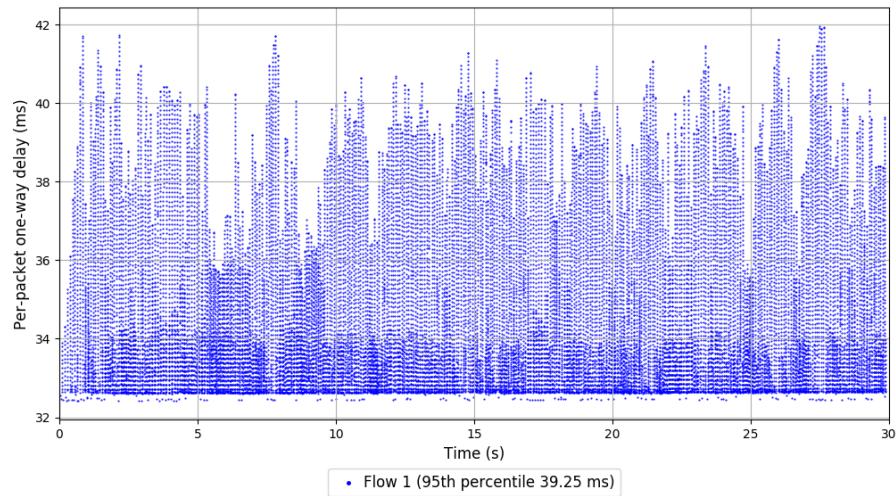
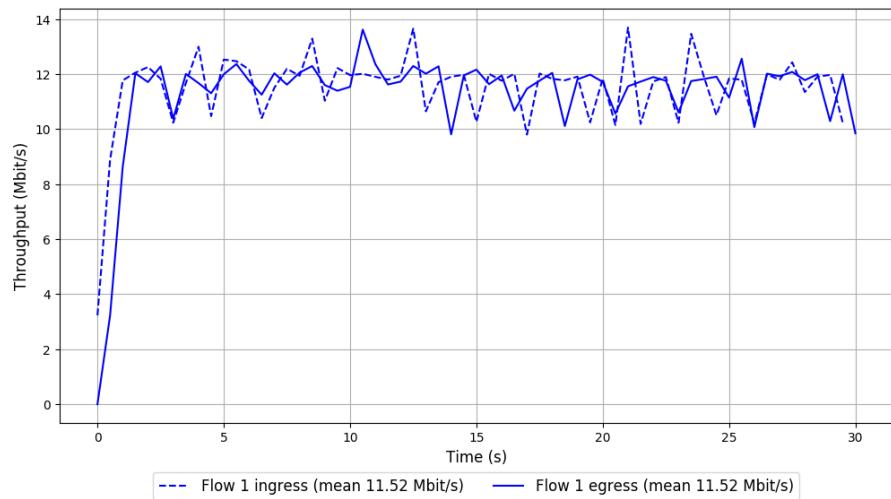


Run 10: Statistics of Sprout

```
Start at: 2018-06-19 05:08:37
End at: 2018-06-19 05:09:07
Local clock offset: 0.642 ms
Remote clock offset: -2.602 ms

# Below is generated by plot.py at 2018-06-19 05:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 39.252 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 39.252 ms
Loss rate: 0.29%
```

Run 10: Report of Sprout — Data Link

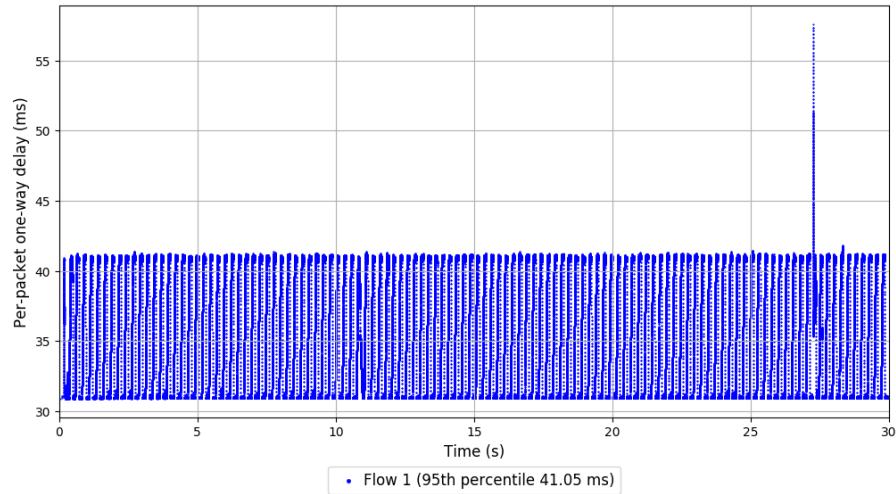
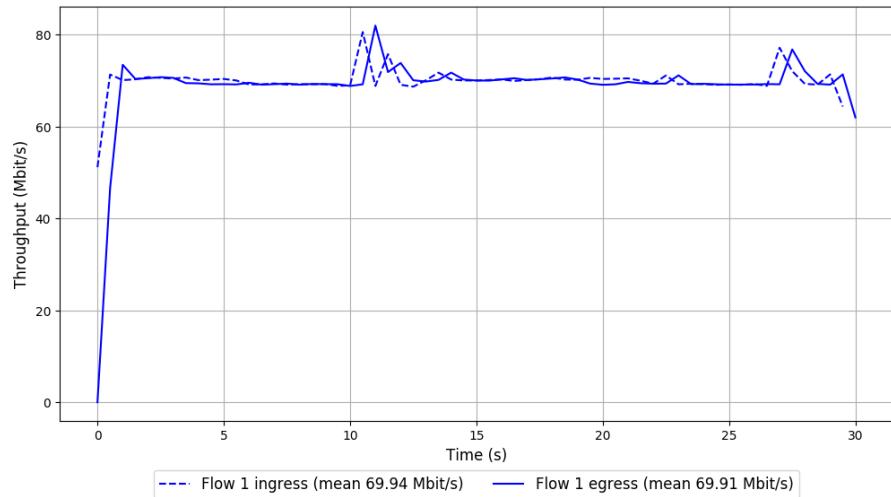


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-19 01:54:53
End at: 2018-06-19 01:55:23
Local clock offset: -3.022 ms
Remote clock offset: 0.487 ms

# Below is generated by plot.py at 2018-06-19 05:29:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 41.050 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 41.050 ms
Loss rate: 0.24%
```

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

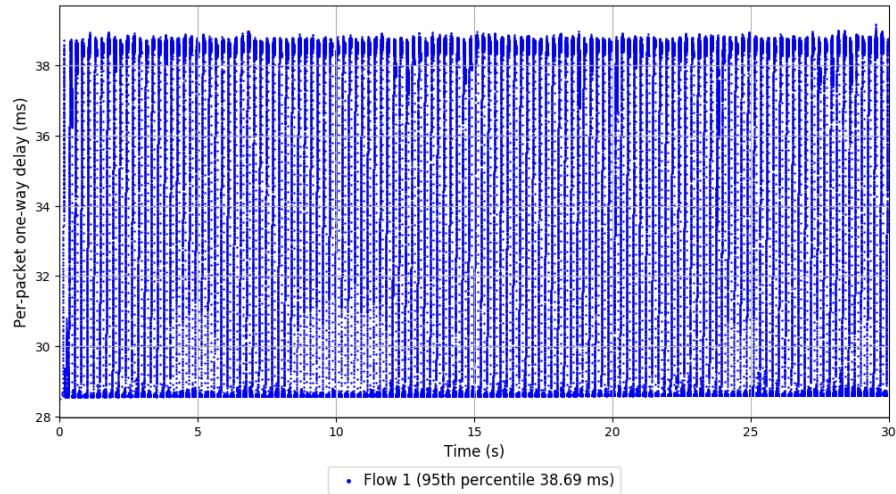
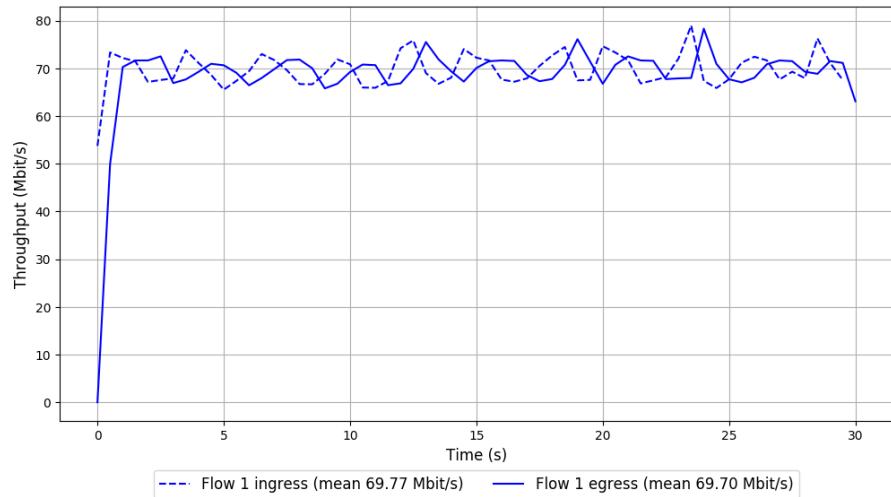


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-19 02:15:49
End at: 2018-06-19 02:16:19
Local clock offset: -4.061 ms
Remote clock offset: -1.227 ms

# Below is generated by plot.py at 2018-06-19 05:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 38.689 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 38.689 ms
Loss rate: 0.28%
```

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

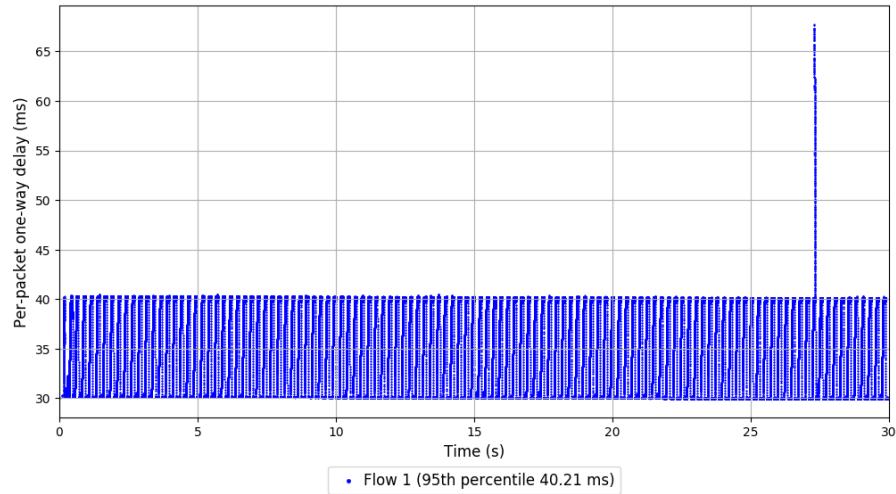
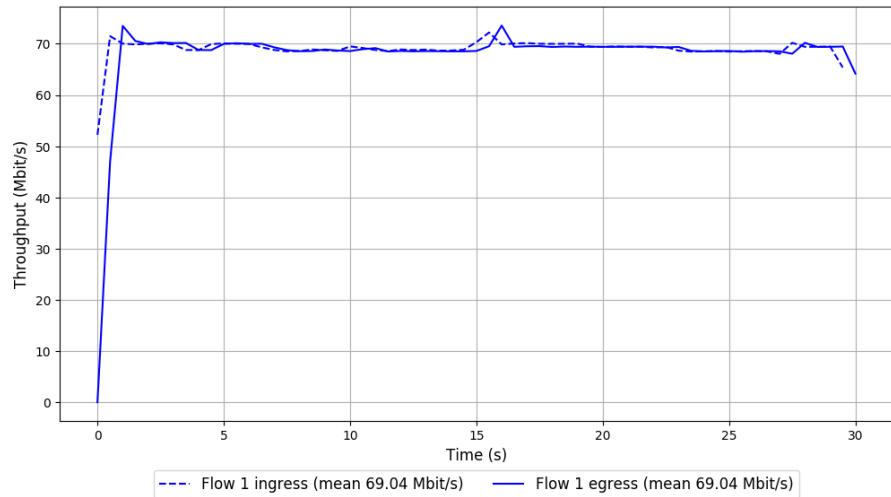


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-19 02:36:44
End at: 2018-06-19 02:37:14
Local clock offset: -3.383 ms
Remote clock offset: 2.119 ms

# Below is generated by plot.py at 2018-06-19 05:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 40.211 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 40.211 ms
Loss rate: 0.21%
```

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

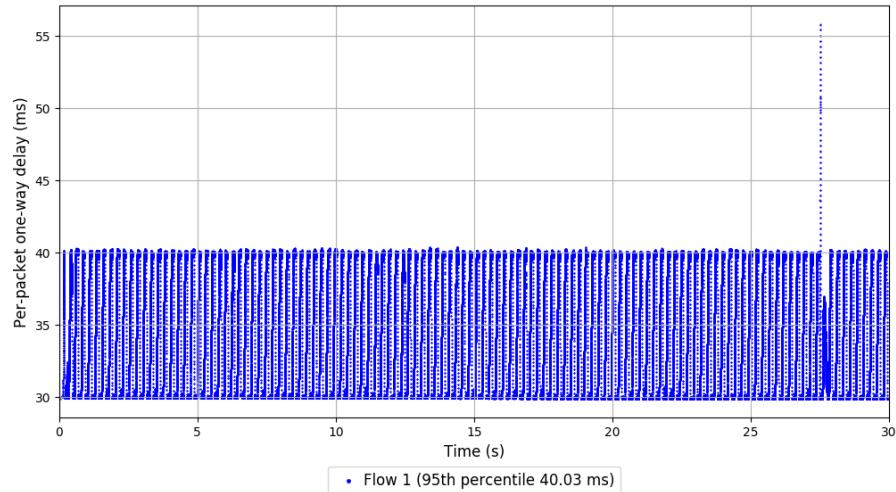
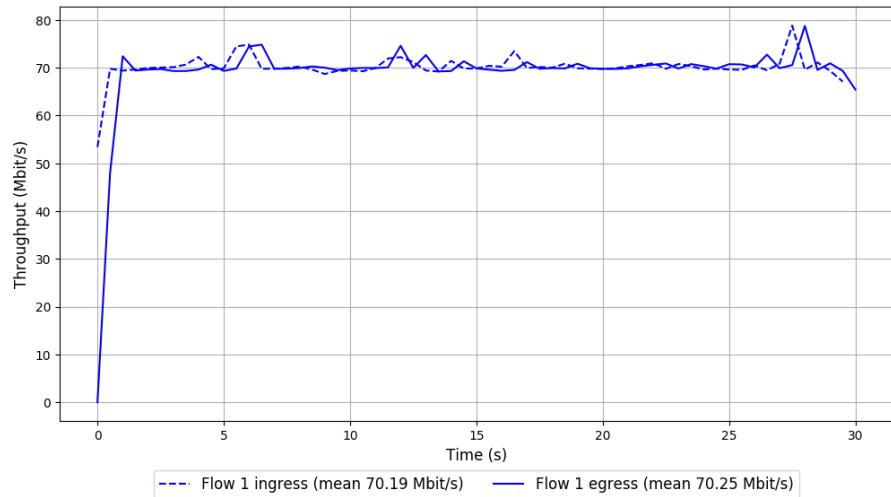


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-19 02:57:39
End at: 2018-06-19 02:58:09
Local clock offset: 1.226 ms
Remote clock offset: 0.977 ms

# Below is generated by plot.py at 2018-06-19 05:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: 40.028 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: 40.028 ms
Loss rate: 0.11%
```

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

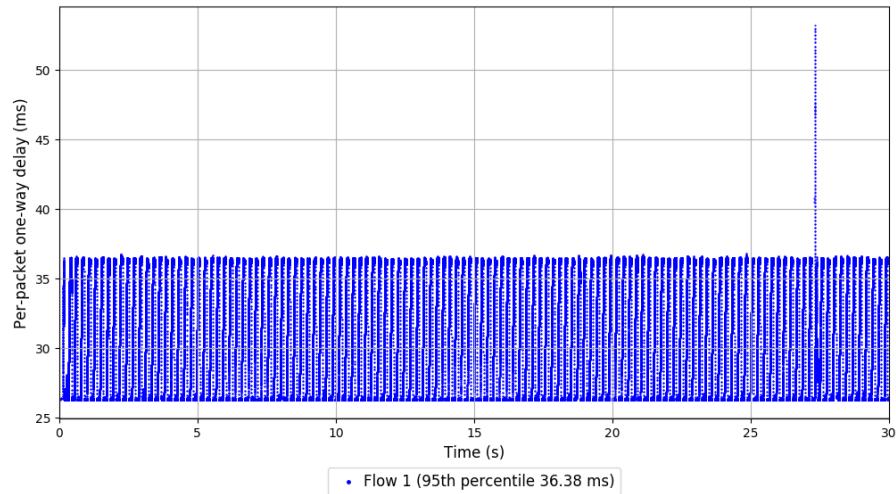
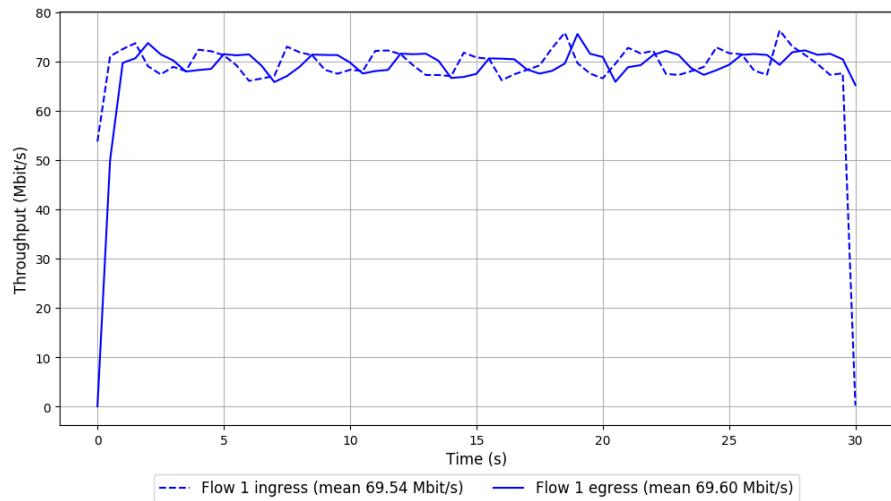


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-19 03:18:32
End at: 2018-06-19 03:19:02
Local clock offset: 1.156 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-06-19 05:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 36.385 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 36.385 ms
Loss rate: 0.10%
```

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

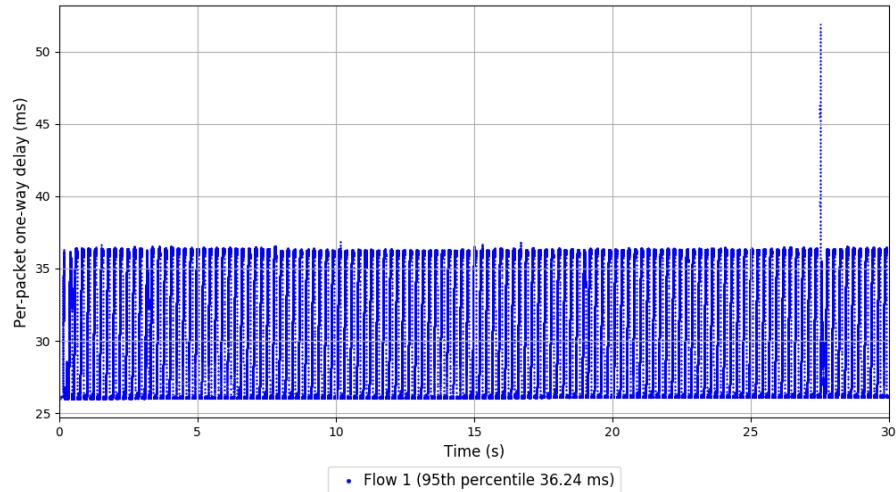
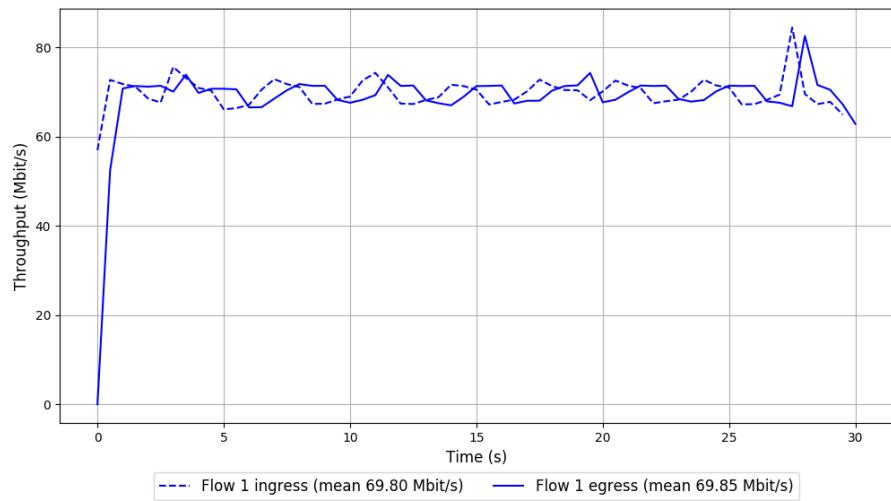


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-19 03:39:27
End at: 2018-06-19 03:39:57
Local clock offset: -0.426 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-06-19 05:29:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 36.244 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 36.244 ms
Loss rate: 0.10%
```

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

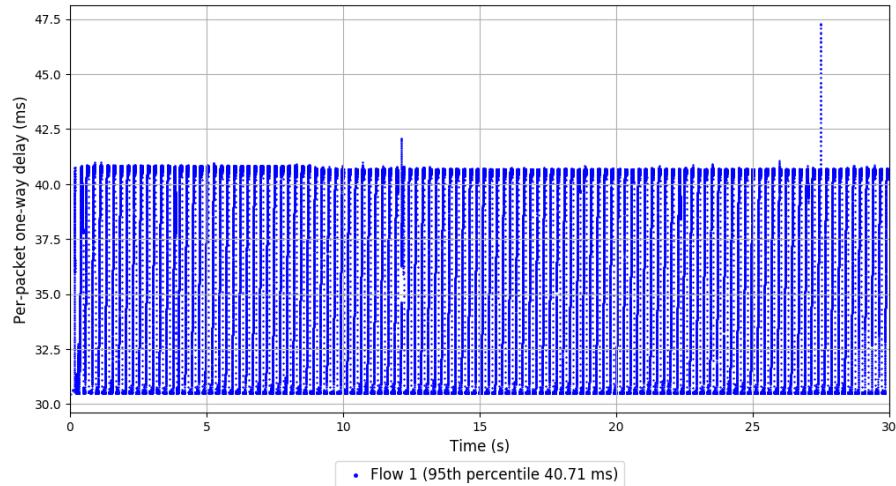
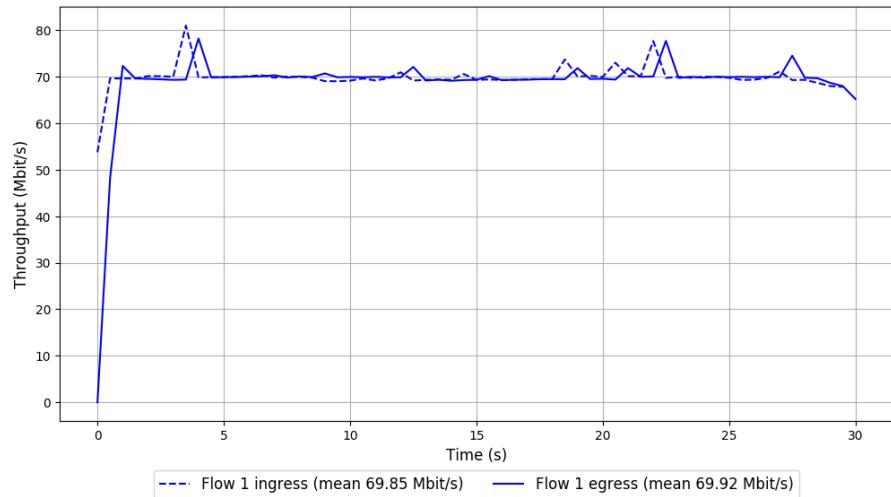


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-19 04:00:19
End at: 2018-06-19 04:00:49
Local clock offset: -2.777 ms
Remote clock offset: -1.088 ms

# Below is generated by plot.py at 2018-06-19 05:29:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 40.710 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 40.710 ms
Loss rate: 0.11%
```

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

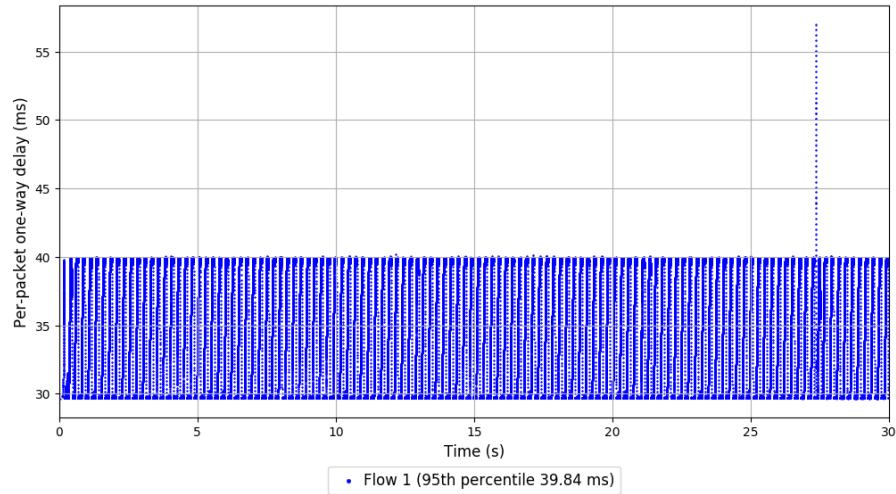
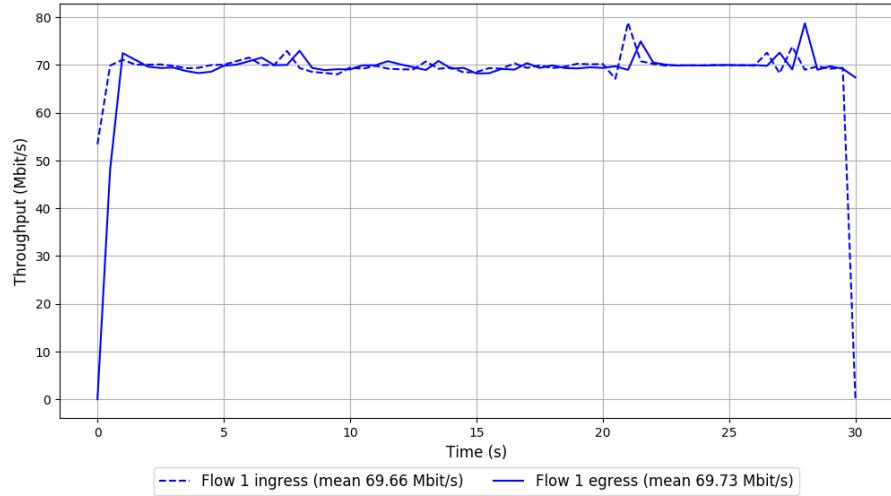


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-19 04:21:15
End at: 2018-06-19 04:21:45
Local clock offset: -0.112 ms
Remote clock offset: -1.689 ms

# Below is generated by plot.py at 2018-06-19 05:29:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 39.844 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 39.844 ms
Loss rate: 0.10%
```

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

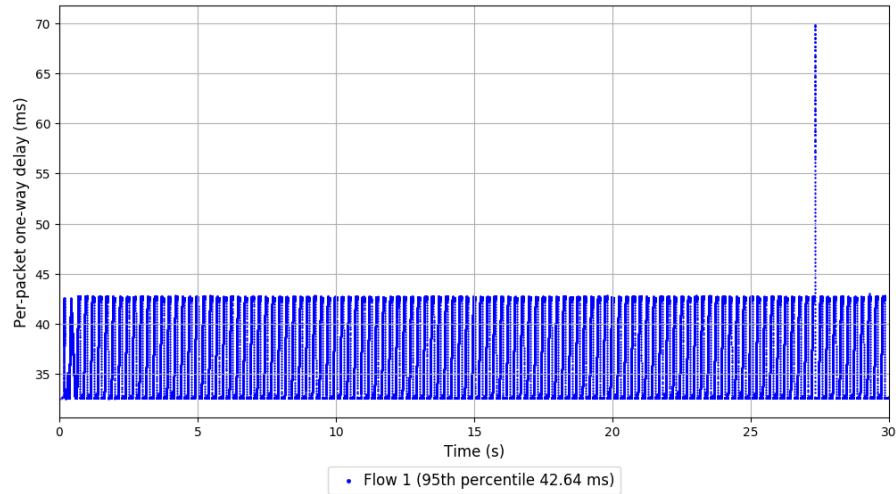
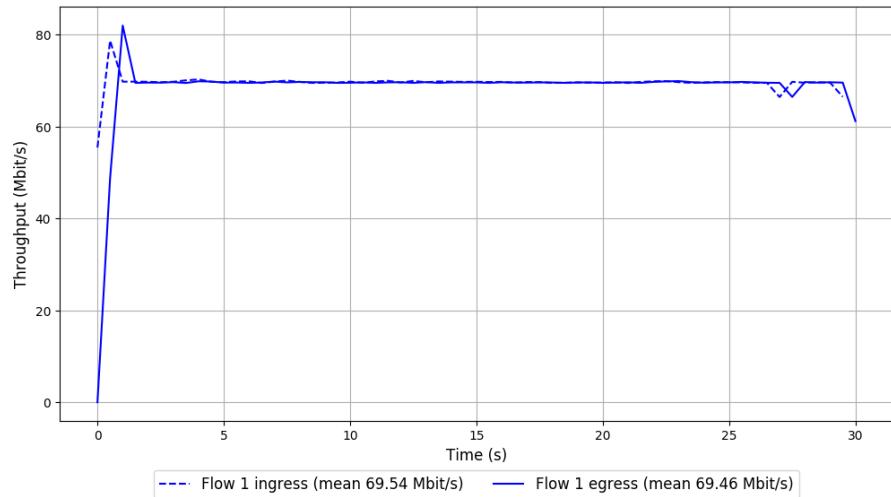


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-19 04:42:25
End at: 2018-06-19 04:42:55
Local clock offset: 0.581 ms
Remote clock offset: -2.921 ms

# Below is generated by plot.py at 2018-06-19 05:31:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 42.641 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 42.641 ms
Loss rate: 0.32%
```

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

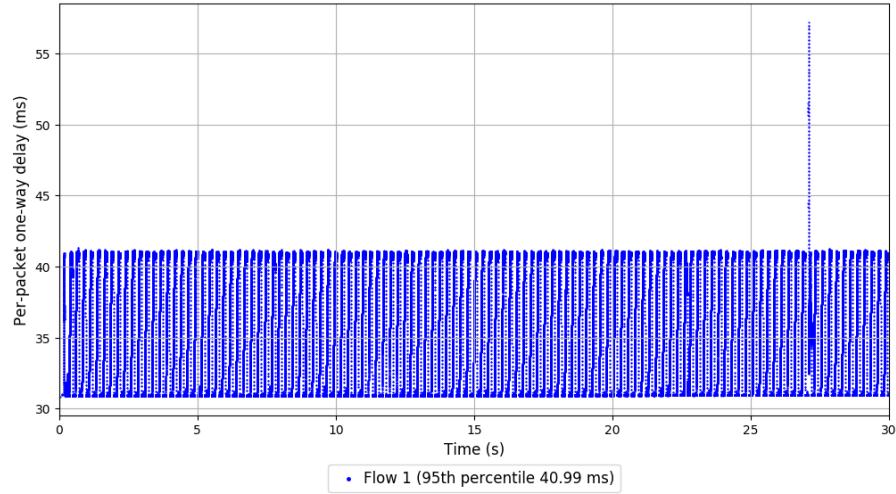
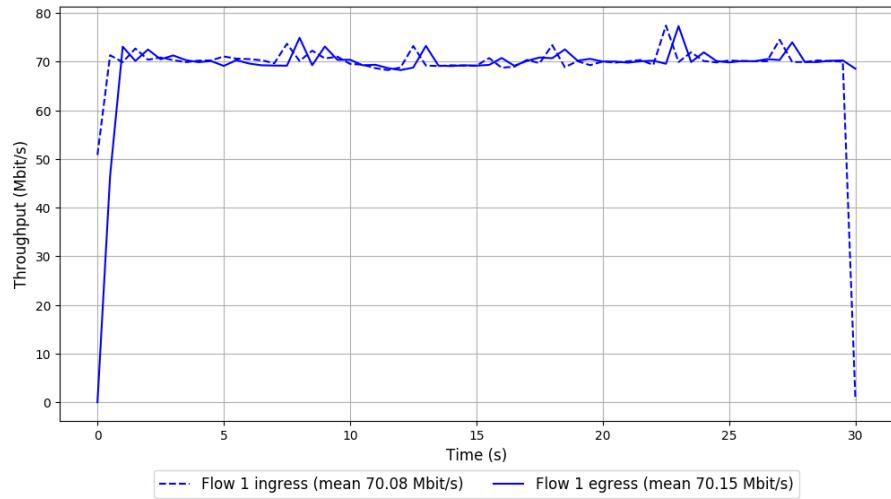


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-19 05:03:21
End at: 2018-06-19 05:03:51
Local clock offset: 0.985 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-06-19 05:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 40.995 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 40.995 ms
Loss rate: 0.11%
```

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

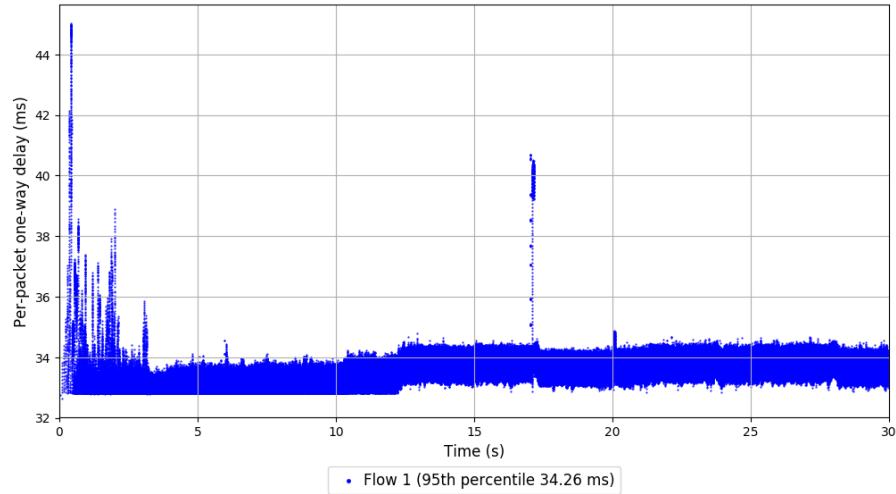
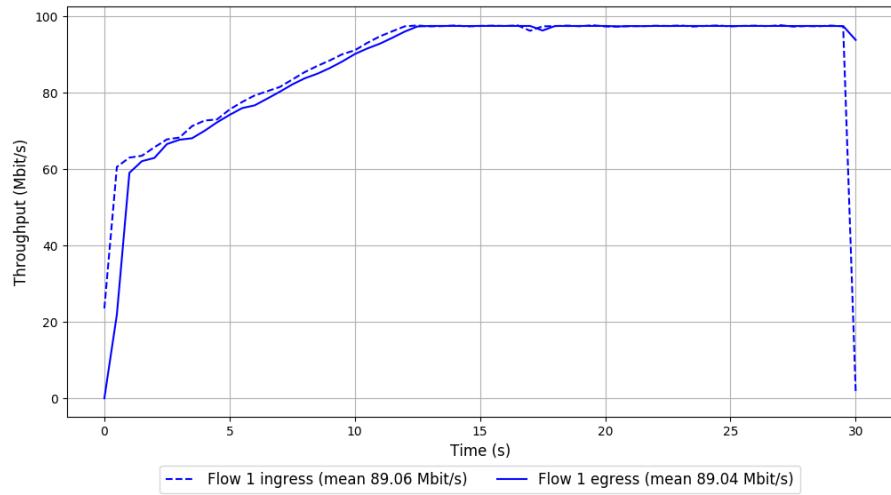


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-19 01:57:32
End at: 2018-06-19 01:58:02
Local clock offset: -3.106 ms
Remote clock offset: -1.904 ms

# Below is generated by plot.py at 2018-06-19 05:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 34.259 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 34.259 ms
Loss rate: 0.22%
```

Run 1: Report of TCP Vegas — Data Link

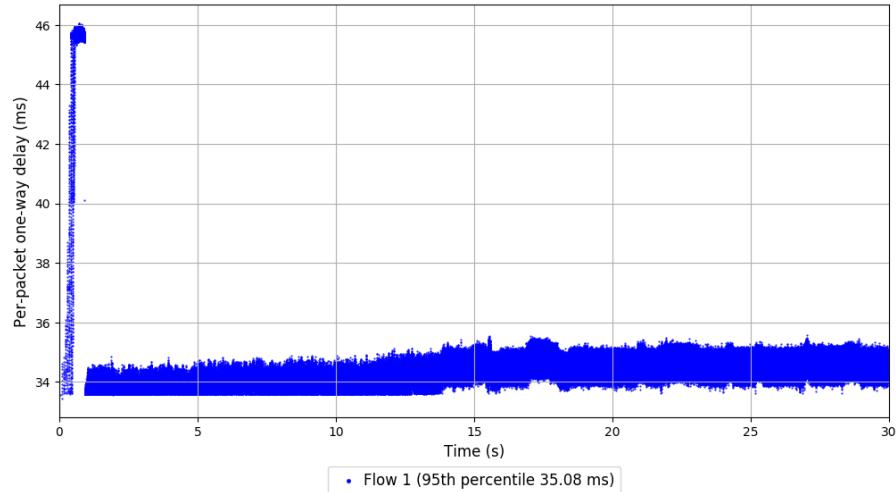
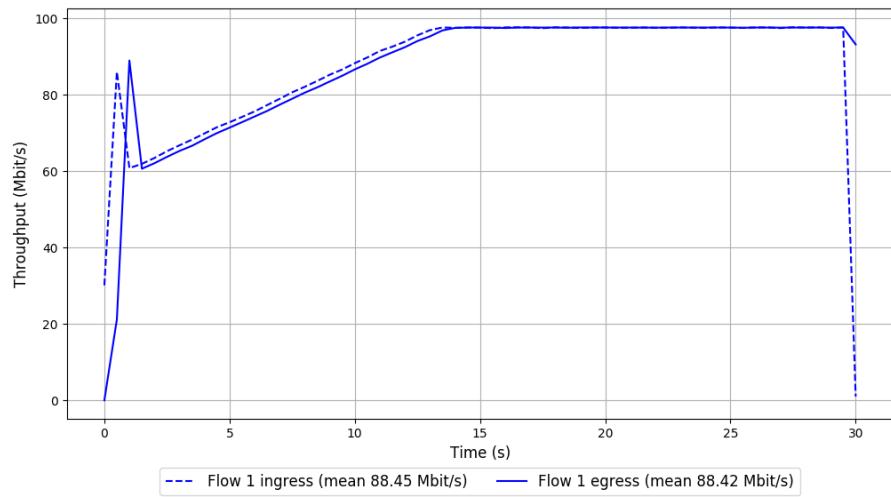


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-19 02:18:28
End at: 2018-06-19 02:18:58
Local clock offset: -4.192 ms
Remote clock offset: -1.092 ms

# Below is generated by plot.py at 2018-06-19 05:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 35.080 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 35.080 ms
Loss rate: 0.23%
```

Run 2: Report of TCP Vegas — Data Link

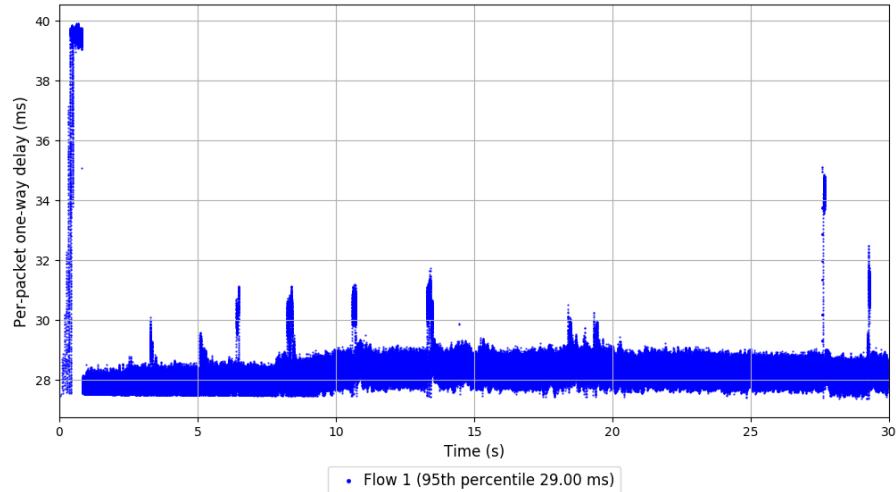
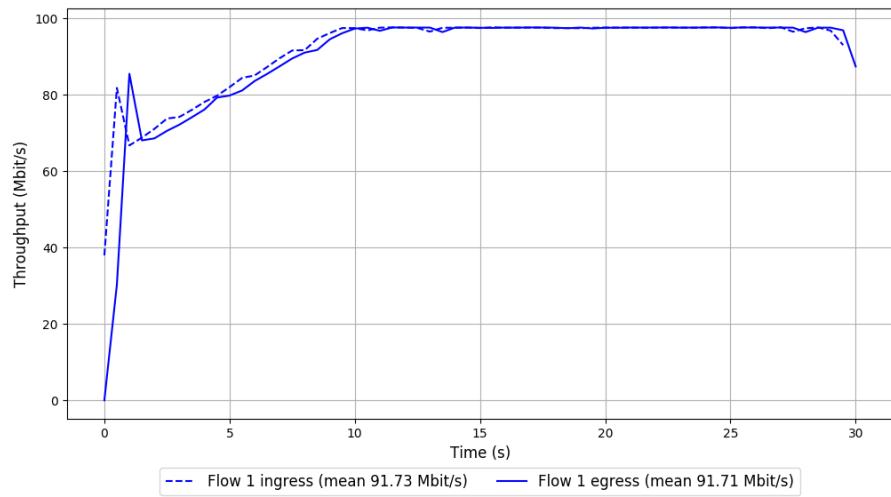


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-19 02:39:22
End at: 2018-06-19 02:39:52
Local clock offset: -2.258 ms
Remote clock offset: -0.339 ms

# Below is generated by plot.py at 2018-06-19 05:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 29.001 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 29.001 ms
Loss rate: 0.20%
```

Run 3: Report of TCP Vegas — Data Link

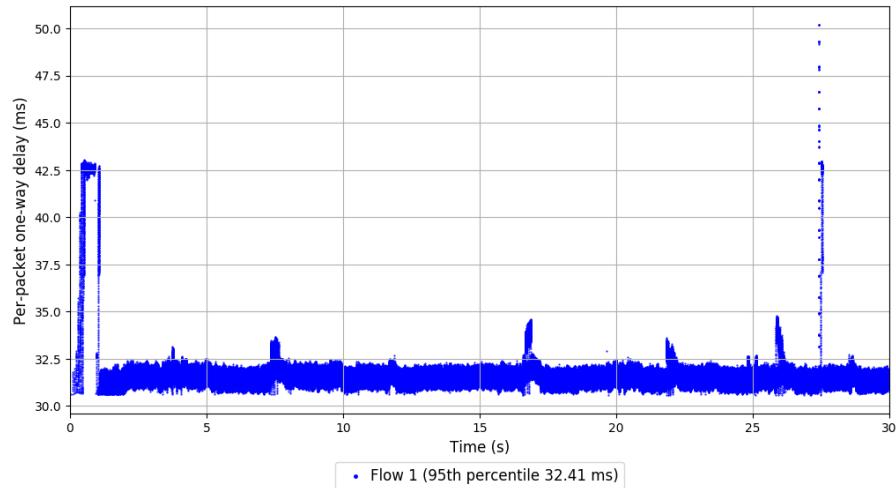
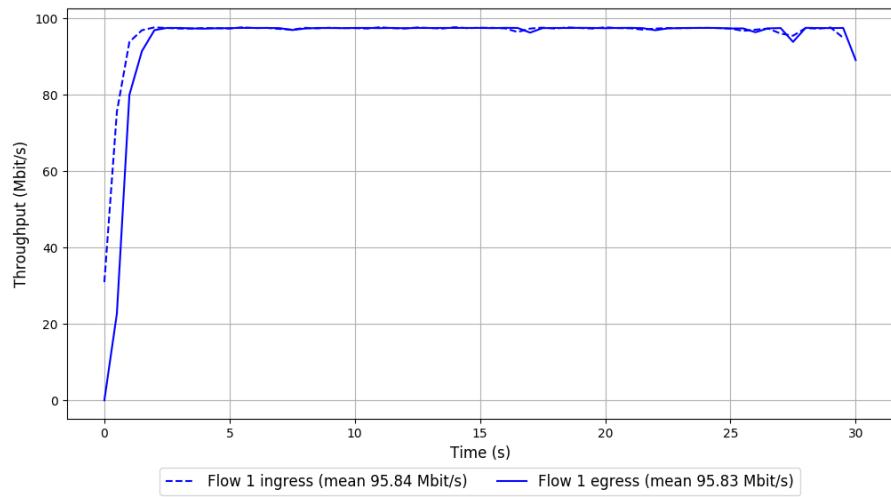


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-19 03:00:17
End at: 2018-06-19 03:00:47
Local clock offset: 1.381 ms
Remote clock offset: 0.363 ms

# Below is generated by plot.py at 2018-06-19 05:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 32.415 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 32.415 ms
Loss rate: 0.21%
```

Run 4: Report of TCP Vegas — Data Link

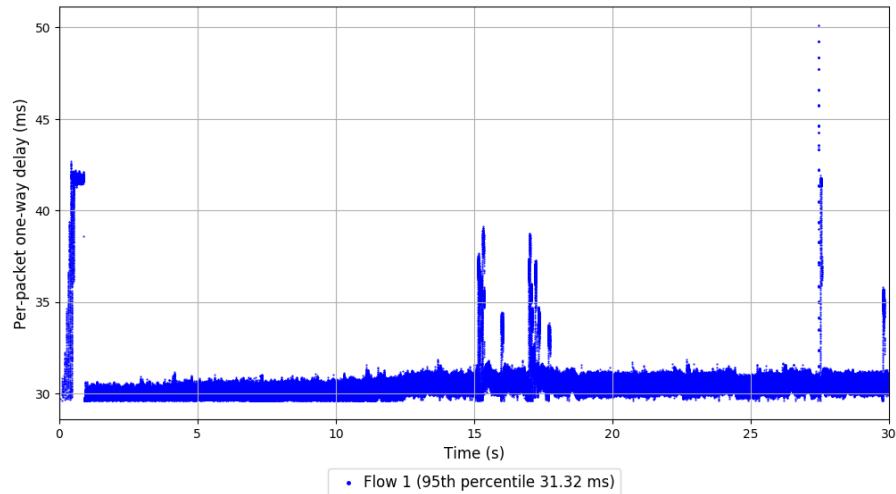
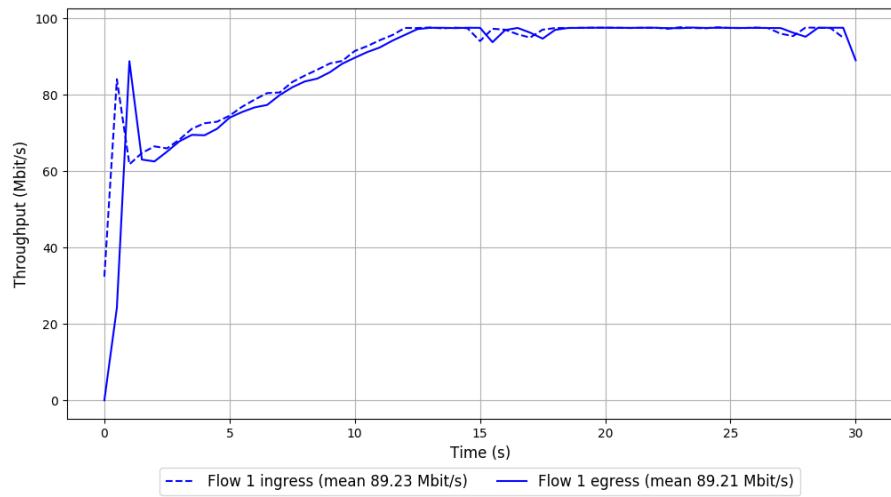


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-19 03:21:10
End at: 2018-06-19 03:21:40
Local clock offset: 1.274 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2018-06-19 05:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 31.322 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 31.322 ms
Loss rate: 0.22%
```

Run 5: Report of TCP Vegas — Data Link

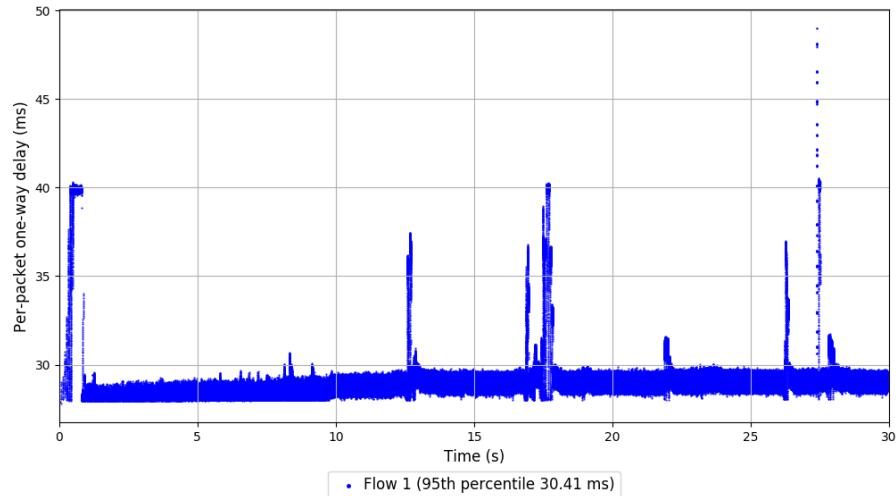
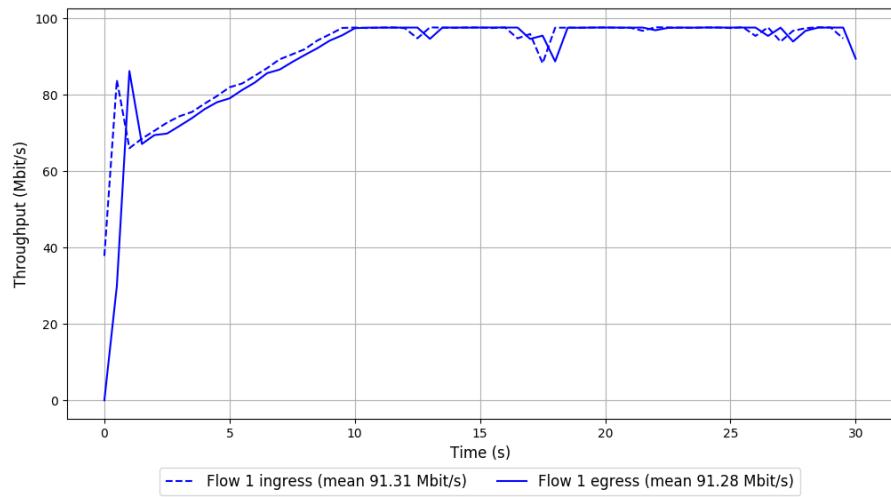


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-19 03:42:05
End at: 2018-06-19 03:42:35
Local clock offset: -1.04 ms
Remote clock offset: -2.555 ms

# Below is generated by plot.py at 2018-06-19 05:31:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 30.411 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 30.411 ms
Loss rate: 0.21%
```

Run 6: Report of TCP Vegas — Data Link

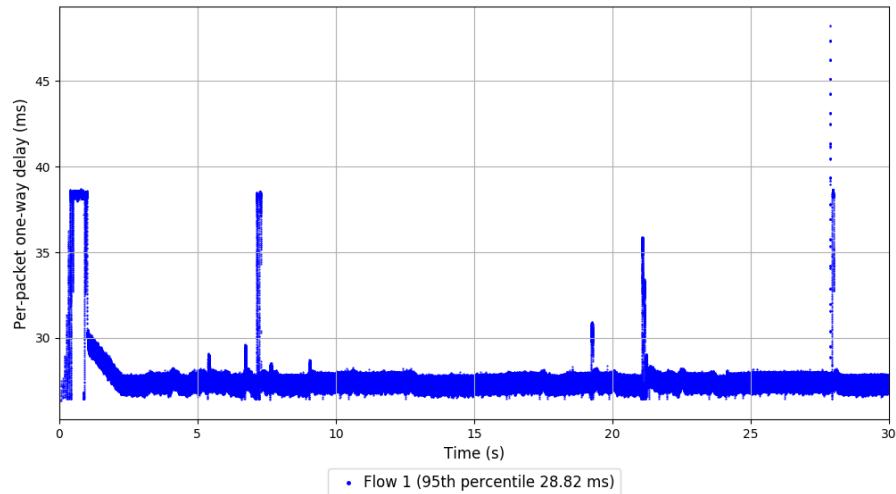
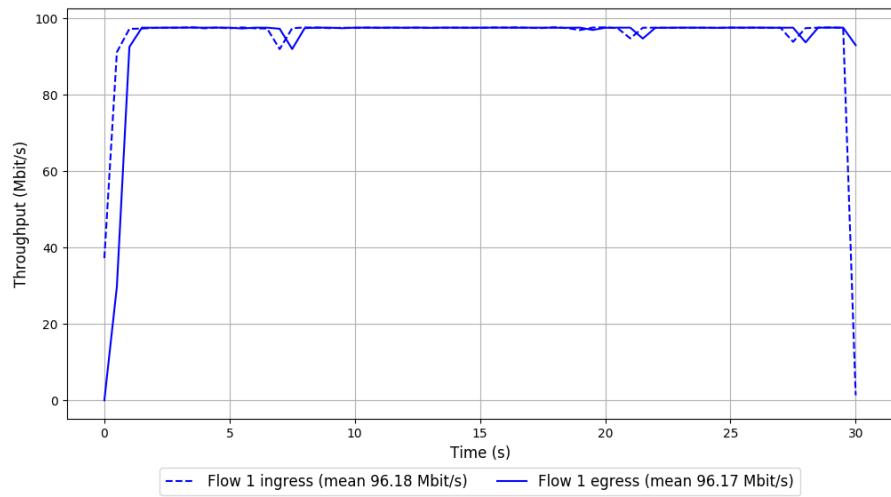


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-19 04:02:57
End at: 2018-06-19 04:03:28
Local clock offset: -2.866 ms
Remote clock offset: -1.213 ms

# Below is generated by plot.py at 2018-06-19 05:31:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 28.818 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 28.818 ms
Loss rate: 0.20%
```

Run 7: Report of TCP Vegas — Data Link

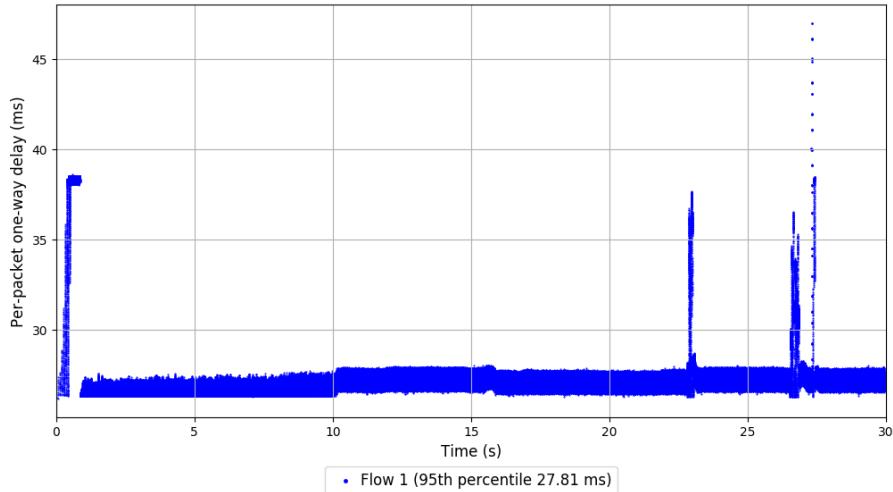
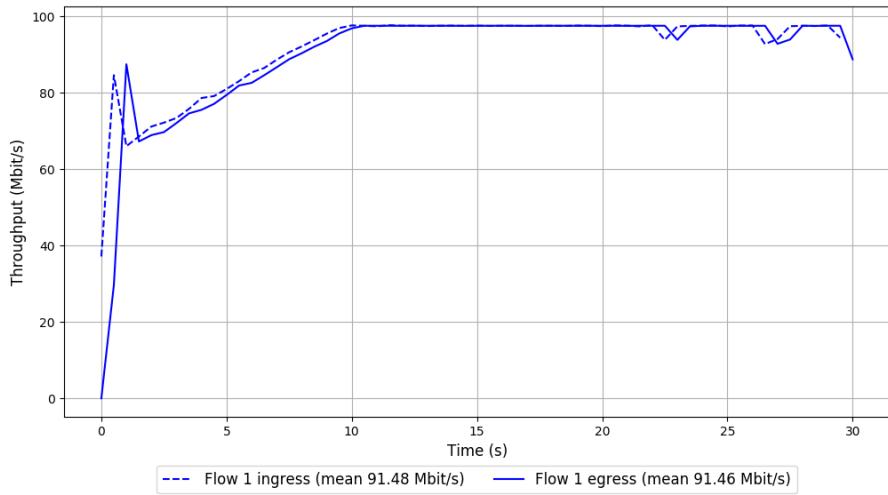


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-19 04:24:07
End at: 2018-06-19 04:24:37
Local clock offset: 0.149 ms
Remote clock offset: -1.701 ms

# Below is generated by plot.py at 2018-06-19 05:31:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 27.808 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 27.808 ms
Loss rate: 0.20%
```

Run 8: Report of TCP Vegas — Data Link

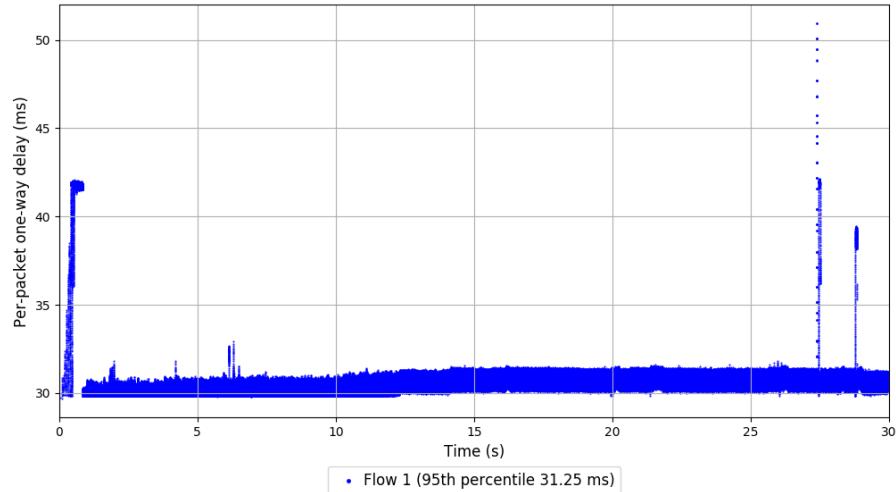
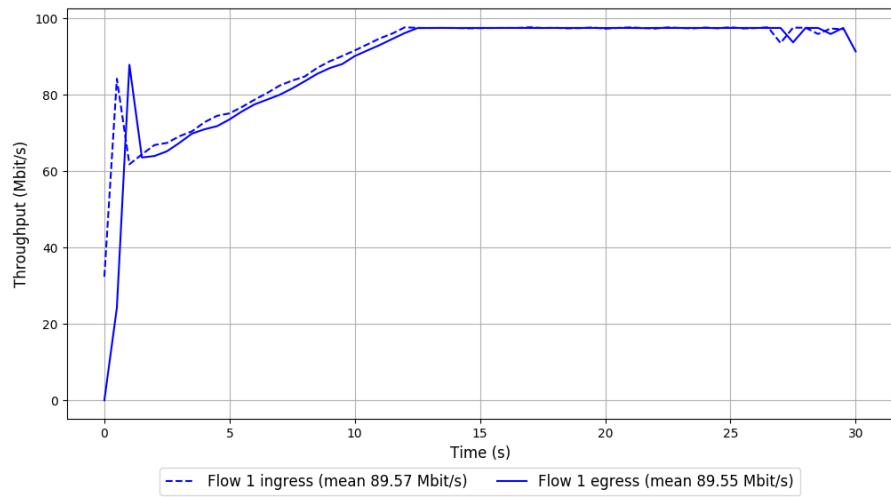


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-19 04:45:03
End at: 2018-06-19 04:45:33
Local clock offset: 0.639 ms
Remote clock offset: -0.757 ms

# Below is generated by plot.py at 2018-06-19 05:31:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 31.255 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 31.255 ms
Loss rate: 0.22%
```

Run 9: Report of TCP Vegas — Data Link

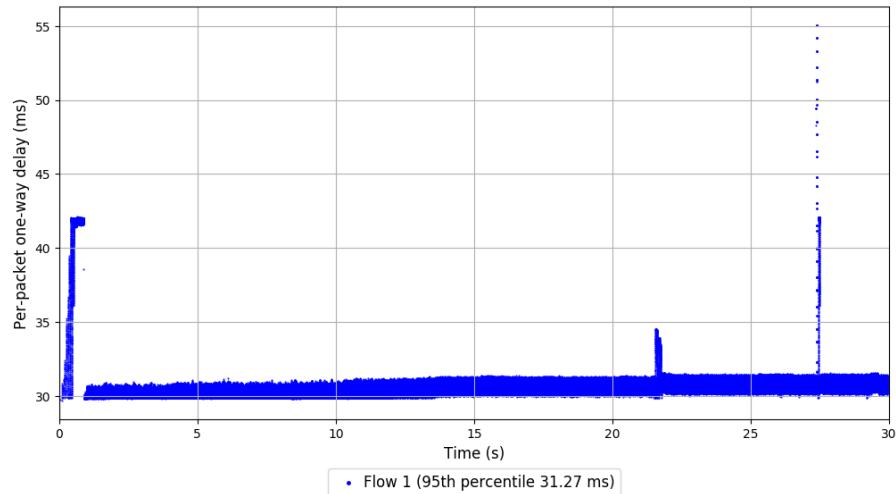
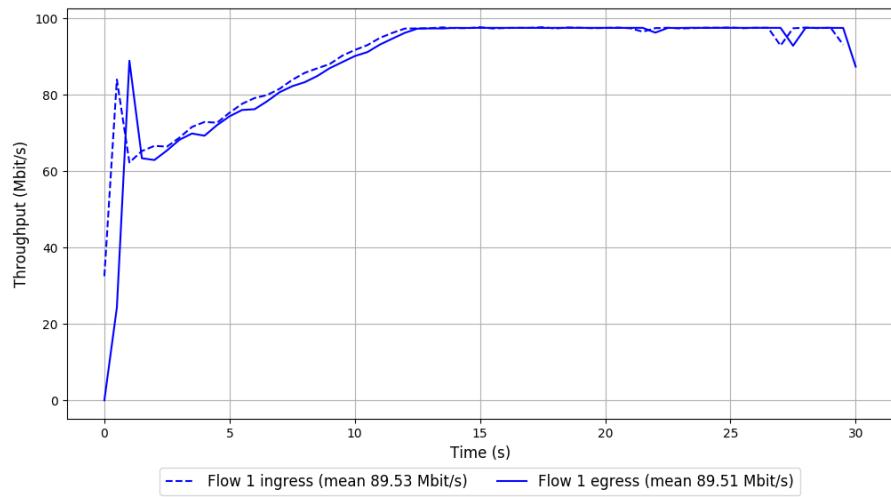


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-19 05:06:00
End at: 2018-06-19 05:06:30
Local clock offset: 0.818 ms
Remote clock offset: -0.535 ms

# Below is generated by plot.py at 2018-06-19 05:32:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 31.274 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 31.274 ms
Loss rate: 0.22%
```

Run 10: Report of TCP Vegas — Data Link

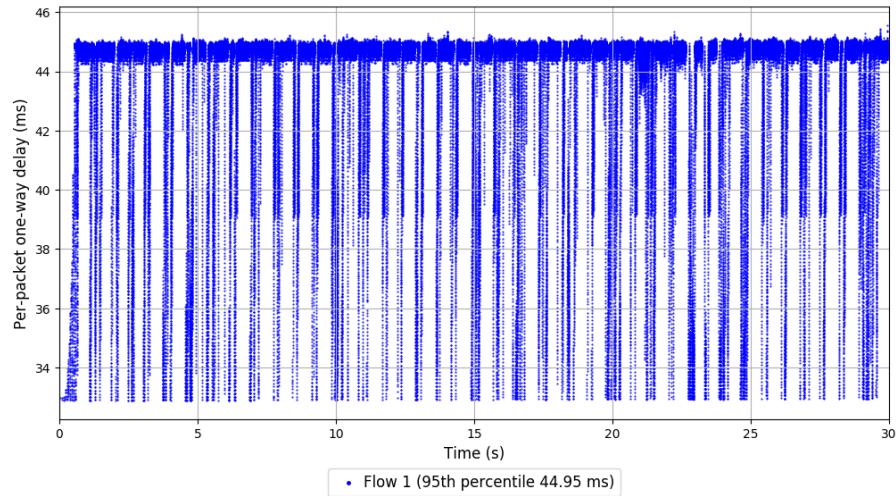
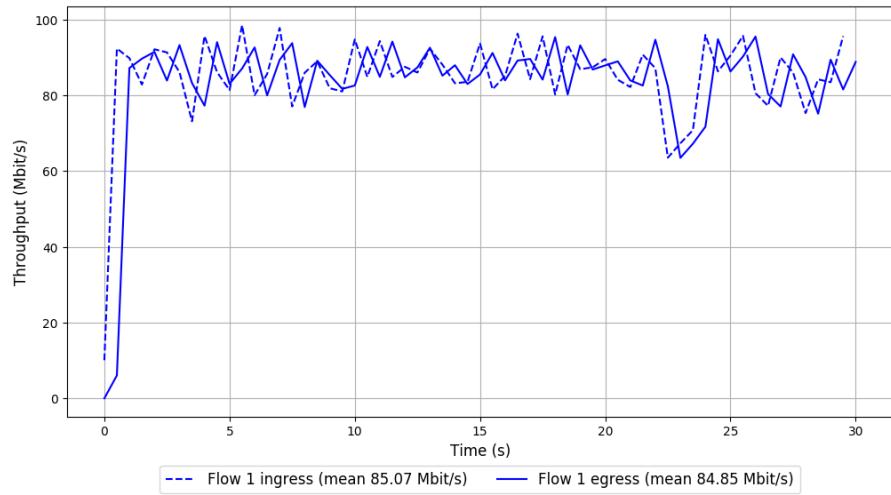


Run 1: Statistics of Verus

```
Start at: 2018-06-19 01:48:14
End at: 2018-06-19 01:48:44
Local clock offset: -2.371 ms
Remote clock offset: -2.36 ms

# Below is generated by plot.py at 2018-06-19 05:32:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 44.949 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 44.949 ms
Loss rate: 0.41%
```

Run 1: Report of Verus — Data Link

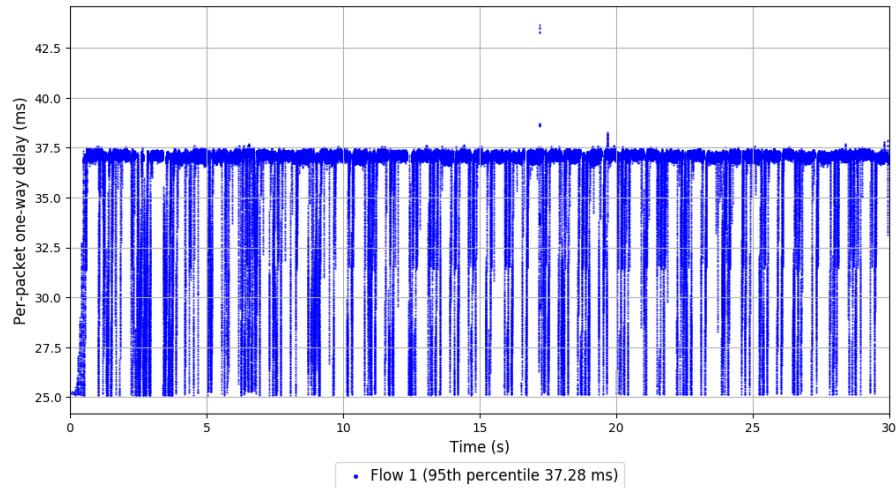
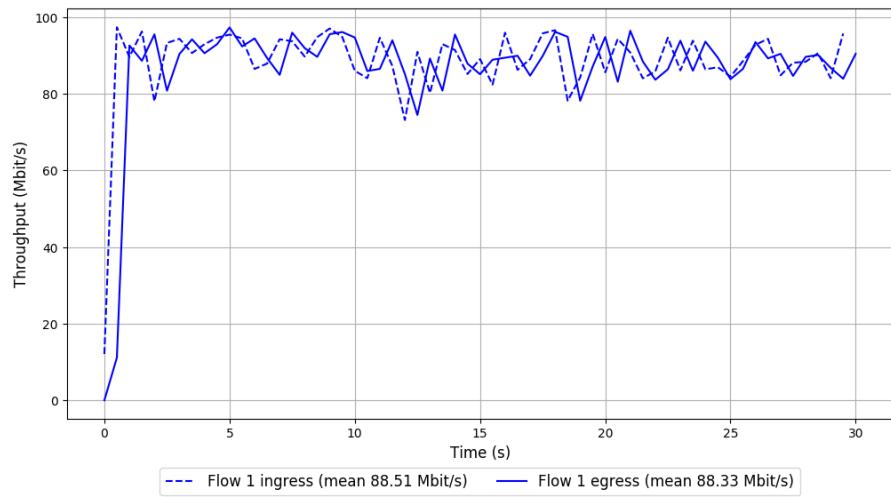


Run 2: Statistics of Verus

```
Start at: 2018-06-19 02:09:10
End at: 2018-06-19 02:09:40
Local clock offset: -3.75 ms
Remote clock offset: 1.166 ms

# Below is generated by plot.py at 2018-06-19 05:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 37.284 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 37.284 ms
Loss rate: 0.37%
```

Run 2: Report of Verus — Data Link

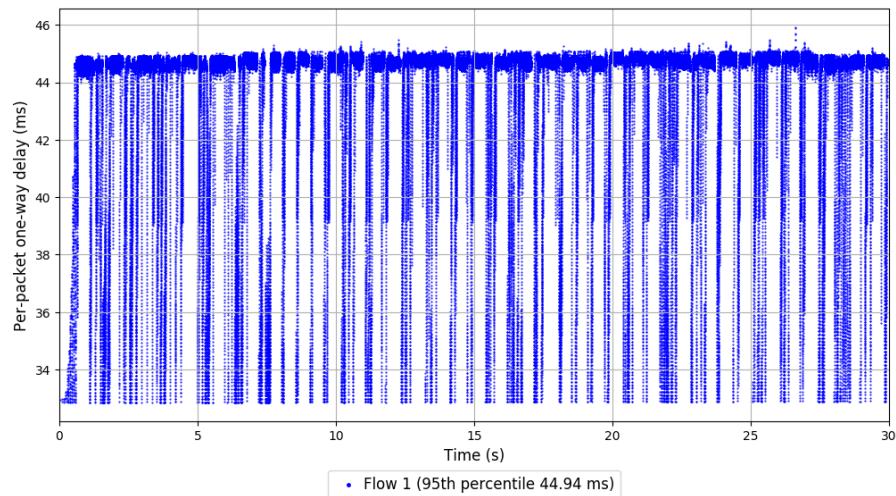
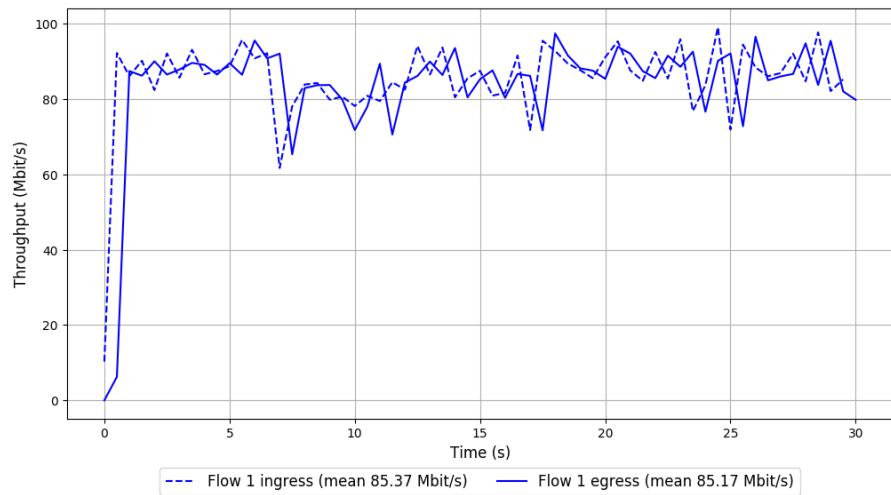


Run 3: Statistics of Verus

```
Start at: 2018-06-19 02:30:05
End at: 2018-06-19 02:30:35
Local clock offset: -4.753 ms
Remote clock offset: -0.686 ms

# Below is generated by plot.py at 2018-06-19 05:32:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 44.940 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 44.940 ms
Loss rate: 0.44%
```

Run 3: Report of Verus — Data Link

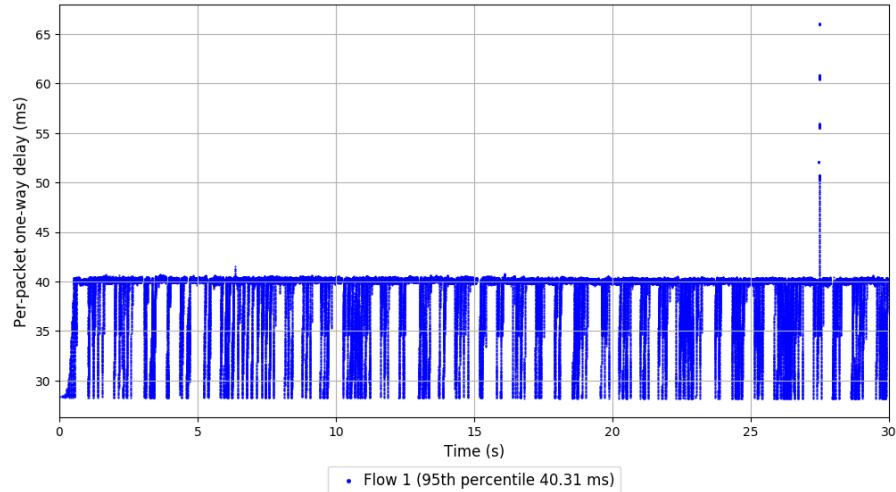
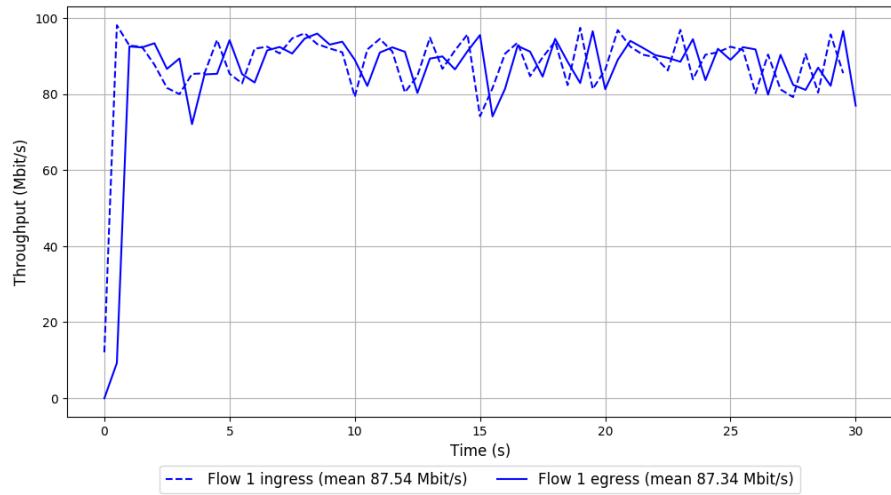


Run 4: Statistics of Verus

```
Start at: 2018-06-19 02:51:00
End at: 2018-06-19 02:51:30
Local clock offset: 0.396 ms
Remote clock offset: -0.788 ms

# Below is generated by plot.py at 2018-06-19 05:32:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 40.315 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 40.315 ms
Loss rate: 0.41%
```

Run 4: Report of Verus — Data Link

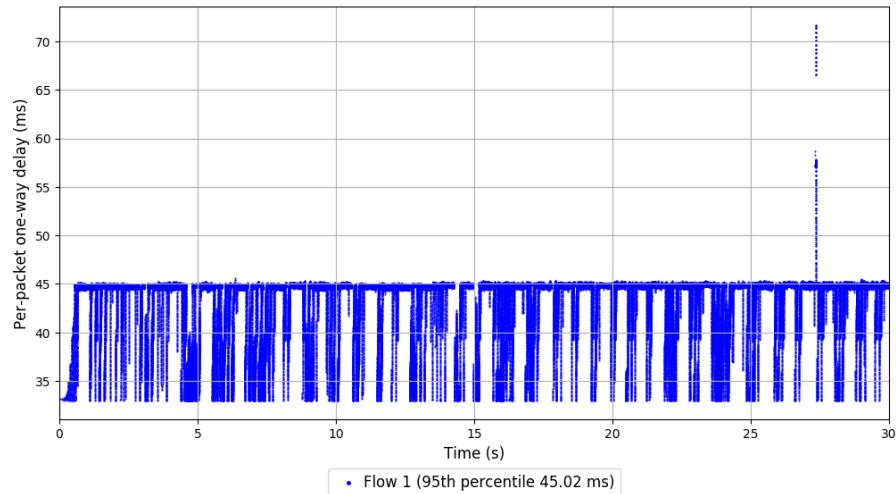
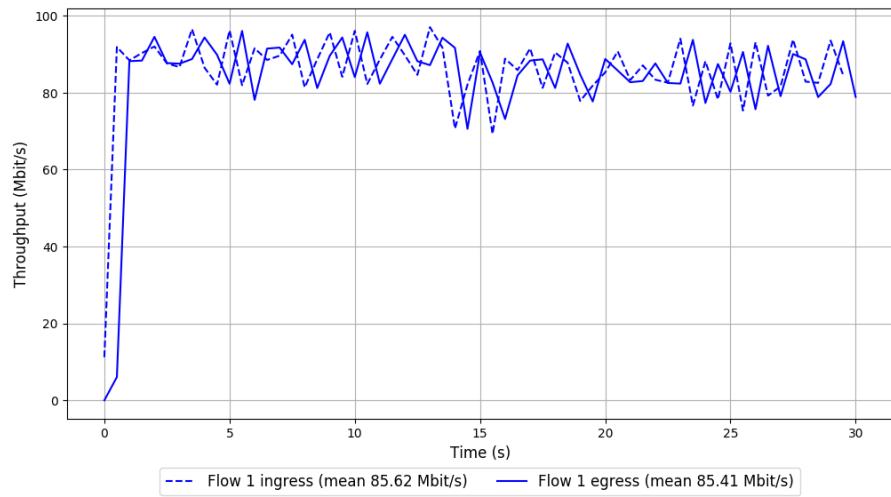


Run 5: Statistics of Verus

```
Start at: 2018-06-19 03:11:54
End at: 2018-06-19 03:12:24
Local clock offset: 1.253 ms
Remote clock offset: -2.084 ms

# Below is generated by plot.py at 2018-06-19 05:33:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 45.019 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 45.019 ms
Loss rate: 0.45%
```

Run 5: Report of Verus — Data Link

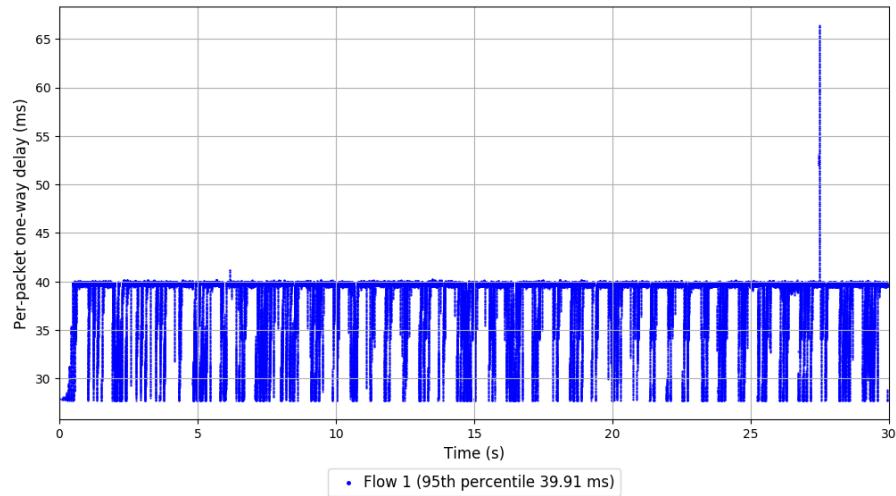
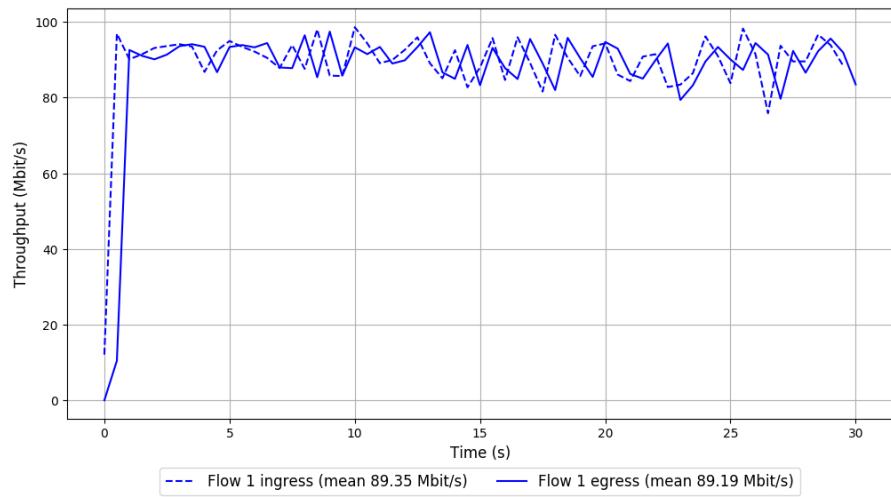


Run 6: Statistics of Verus

```
Start at: 2018-06-19 03:32:47
End at: 2018-06-19 03:33:17
Local clock offset: 1.531 ms
Remote clock offset: -2.467 ms

# Below is generated by plot.py at 2018-06-19 05:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 39.911 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 39.911 ms
Loss rate: 0.37%
```

Run 6: Report of Verus — Data Link

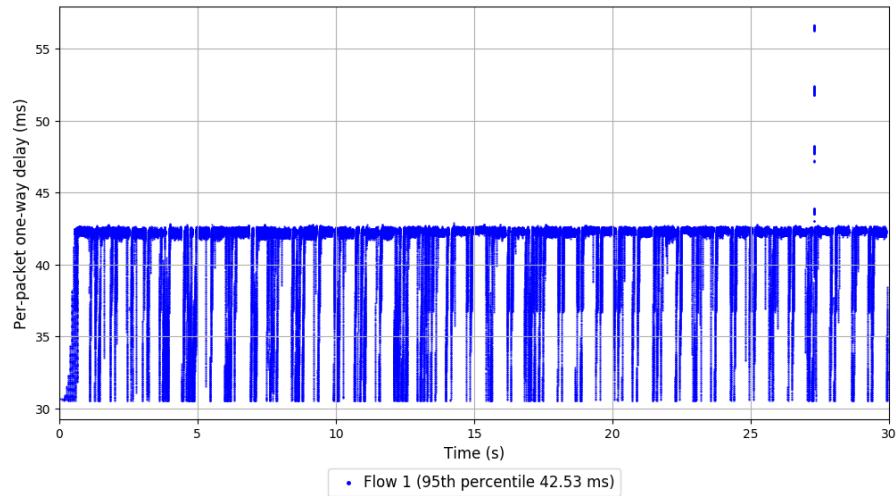
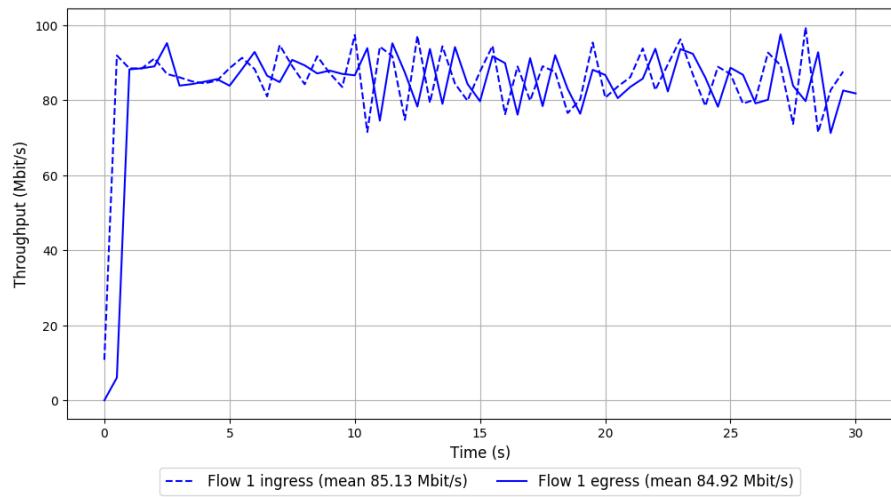


Run 7: Statistics of Verus

```
Start at: 2018-06-19 03:53:42
End at: 2018-06-19 03:54:12
Local clock offset: -2.416 ms
Remote clock offset: -0.702 ms

# Below is generated by plot.py at 2018-06-19 05:33:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 42.530 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 84.92 Mbit/s
95th percentile per-packet one-way delay: 42.530 ms
Loss rate: 0.47%
```

Run 7: Report of Verus — Data Link

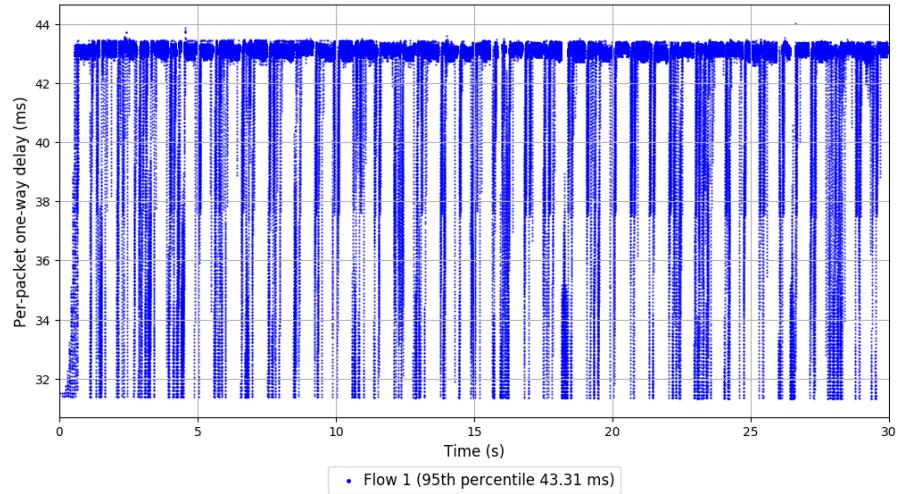
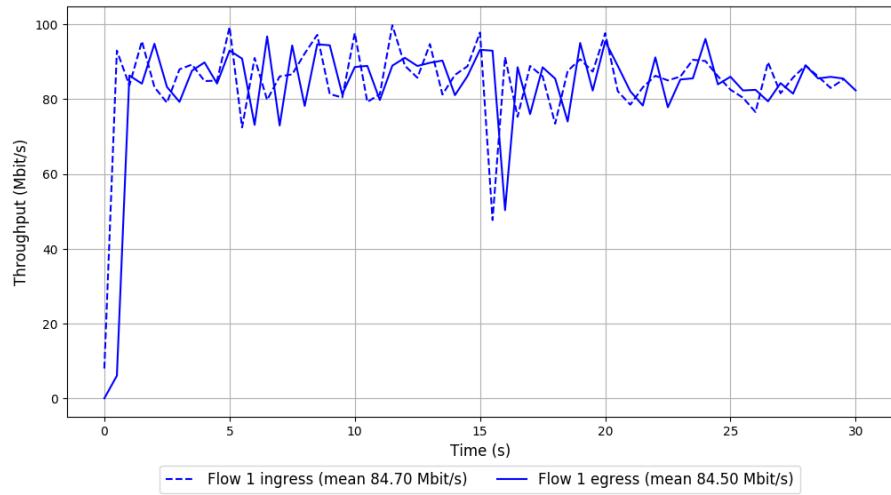


Run 8: Statistics of Verus

```
Start at: 2018-06-19 04:14:35
End at: 2018-06-19 04:15:05
Local clock offset: -0.671 ms
Remote clock offset: -1.516 ms

# Below is generated by plot.py at 2018-06-19 05:33:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 43.308 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 43.308 ms
Loss rate: 0.34%
```

Run 8: Report of Verus — Data Link

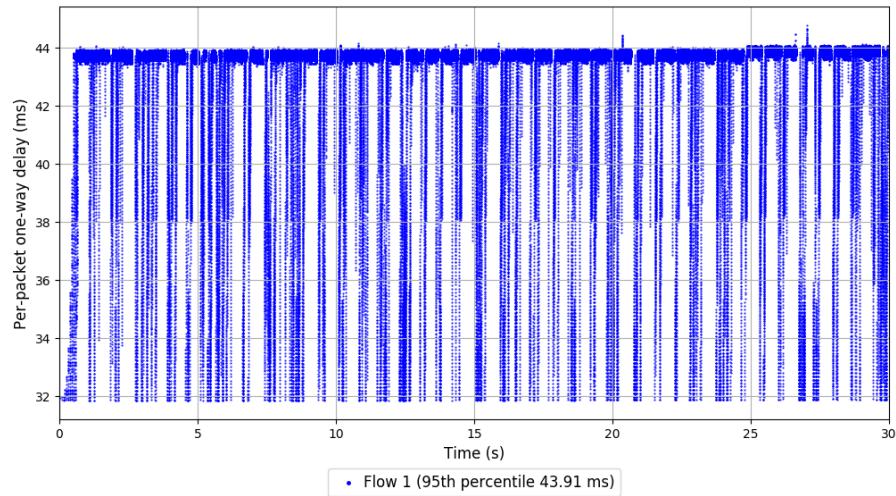
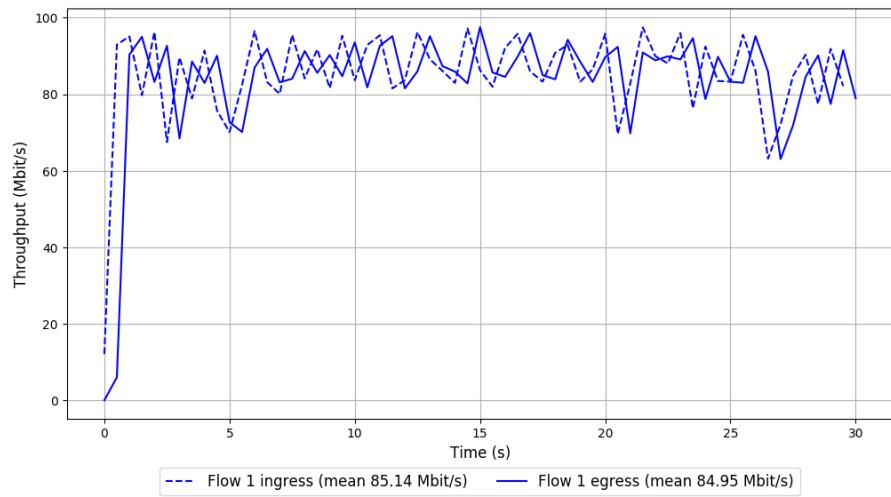


Run 9: Statistics of Verus

```
Start at: 2018-06-19 04:35:45
End at: 2018-06-19 04:36:15
Local clock offset: 0.567 ms
Remote clock offset: -3.186 ms

# Below is generated by plot.py at 2018-06-19 05:33:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 43.907 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 43.907 ms
Loss rate: 0.38%
```

Run 9: Report of Verus — Data Link

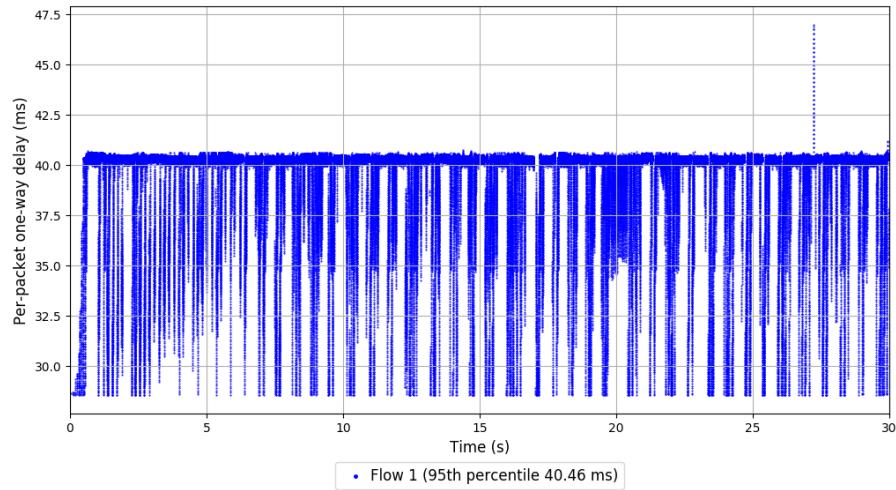
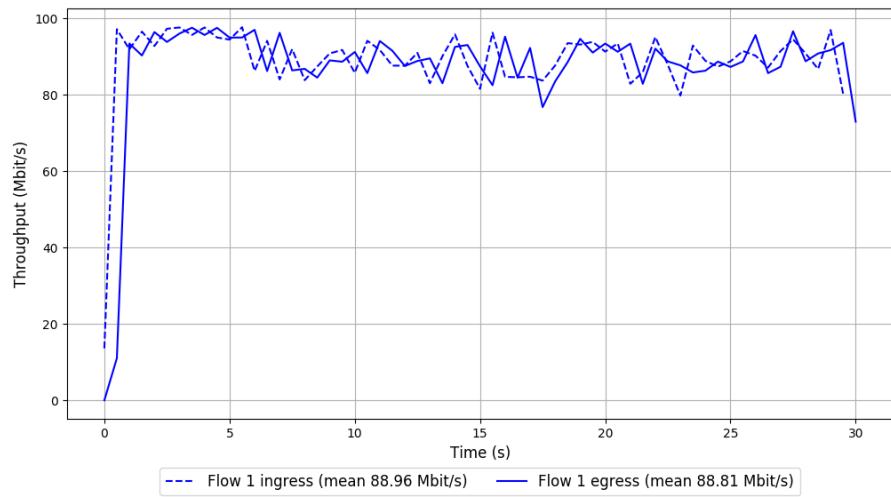


Run 10: Statistics of Verus

```
Start at: 2018-06-19 04:56:41
End at: 2018-06-19 04:57:11
Local clock offset: 0.855 ms
Remote clock offset: -2.688 ms

# Below is generated by plot.py at 2018-06-19 05:33:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 40.462 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 40.462 ms
Loss rate: 0.37%
```

Run 10: Report of Verus — Data Link

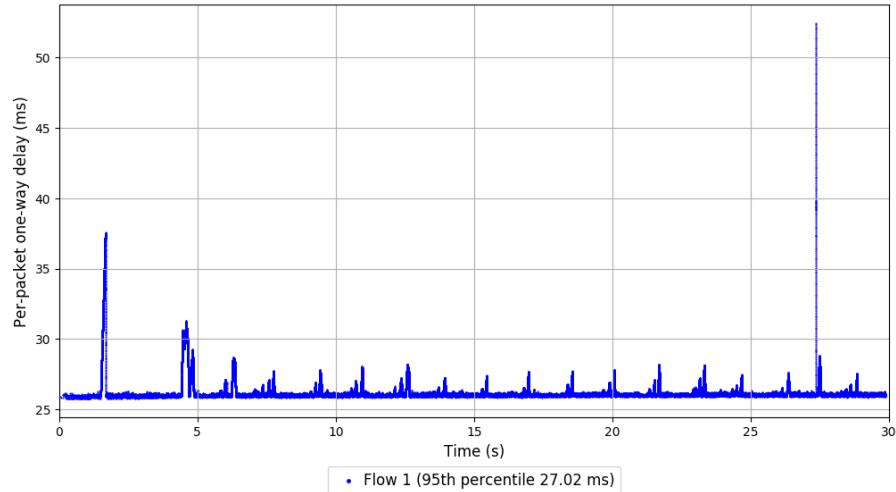
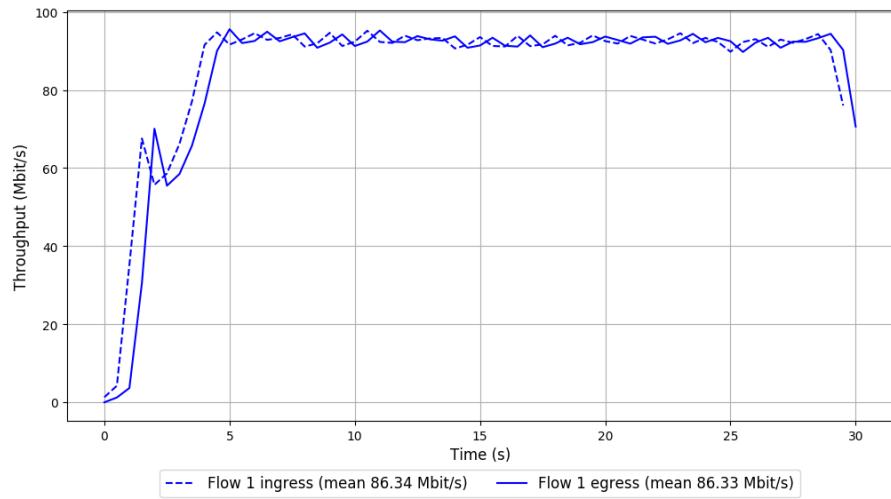


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-06-19 01:58:50
End at: 2018-06-19 01:59:20
Local clock offset: -3.187 ms
Remote clock offset: 0.629 ms

# Below is generated by plot.py at 2018-06-19 05:33:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 27.017 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 27.017 ms
Loss rate: 0.19%
```

Run 1: Report of PCC-Vivace — Data Link

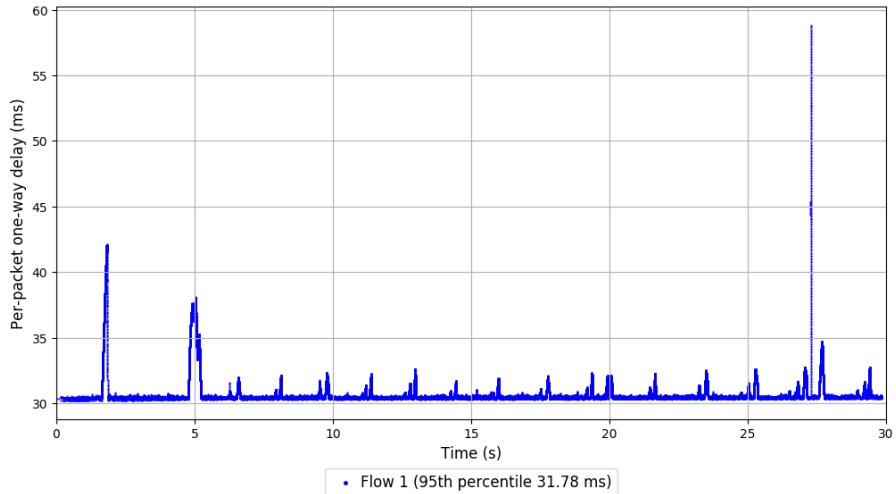
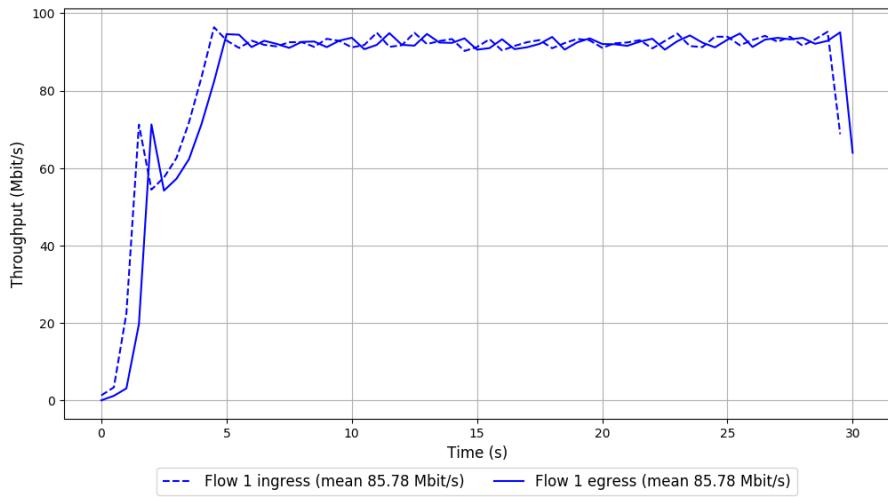


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-19 02:19:46
End at: 2018-06-19 02:20:16
Local clock offset: -4.356 ms
Remote clock offset: 1.469 ms

# Below is generated by plot.py at 2018-06-19 05:33:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 31.776 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 31.776 ms
Loss rate: 0.21%
```

Run 2: Report of PCC-Vivace — Data Link

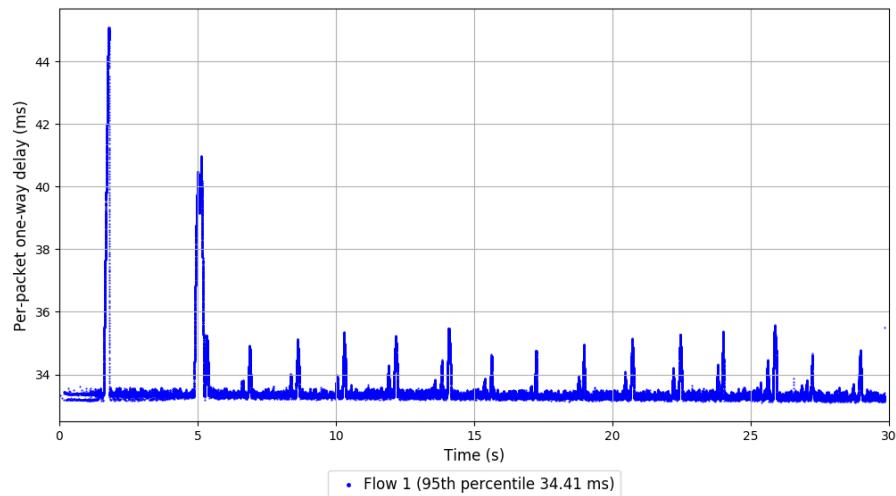
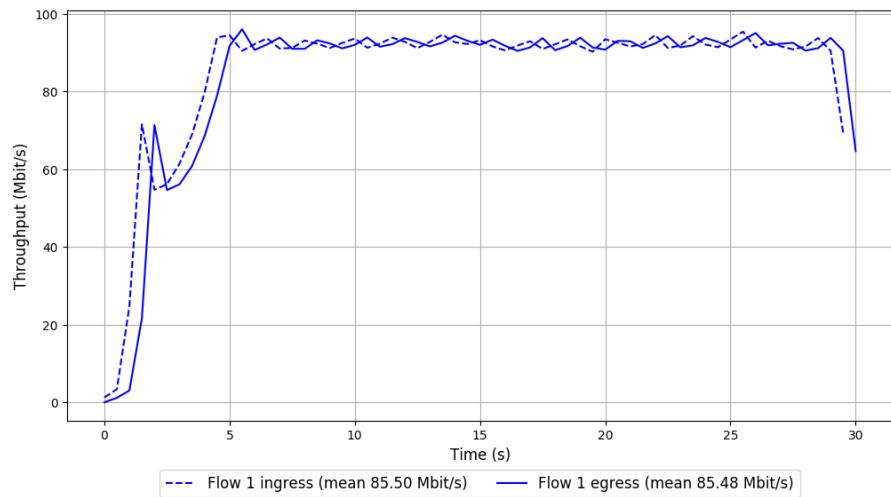


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-19 02:40:41
End at: 2018-06-19 02:41:11
Local clock offset: -1.718 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-06-19 05:34:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 34.411 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 34.411 ms
Loss rate: 0.22%
```

Run 3: Report of PCC-Vivace — Data Link

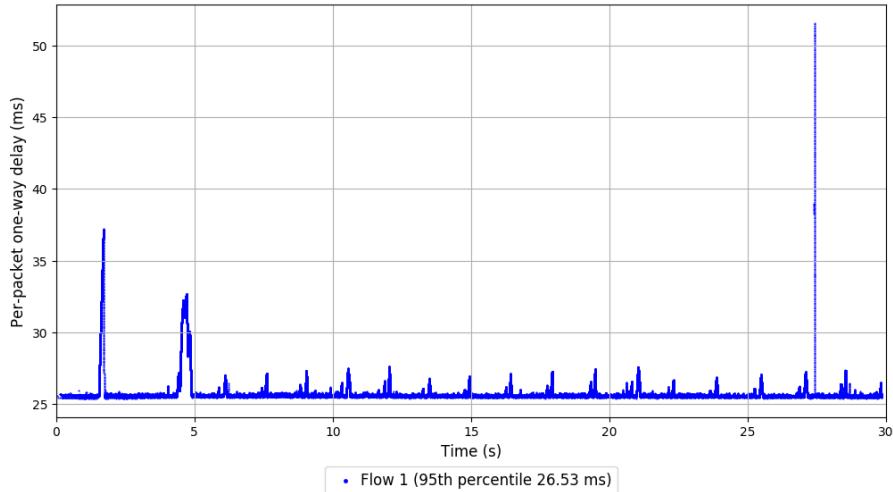
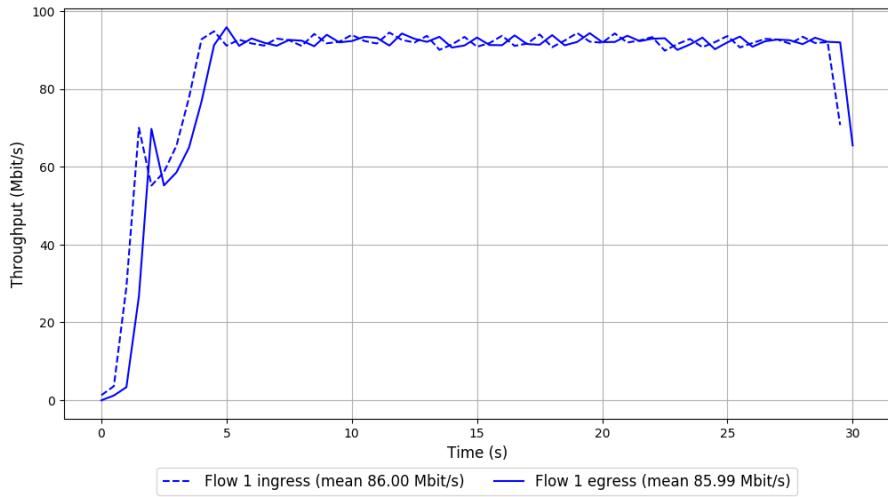


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-19 03:01:36
End at: 2018-06-19 03:02:06
Local clock offset: 1.569 ms
Remote clock offset: 0.275 ms

# Below is generated by plot.py at 2018-06-19 05:34:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 26.526 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 26.526 ms
Loss rate: 0.20%
```

Run 4: Report of PCC-Vivace — Data Link

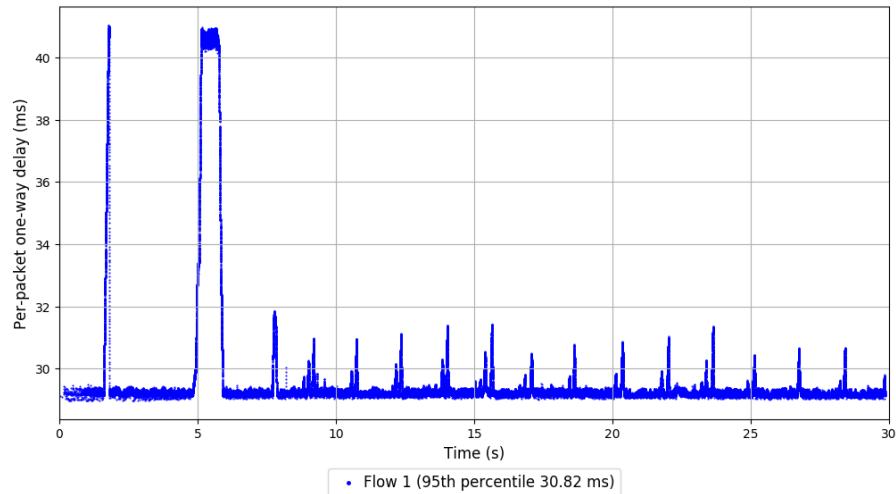
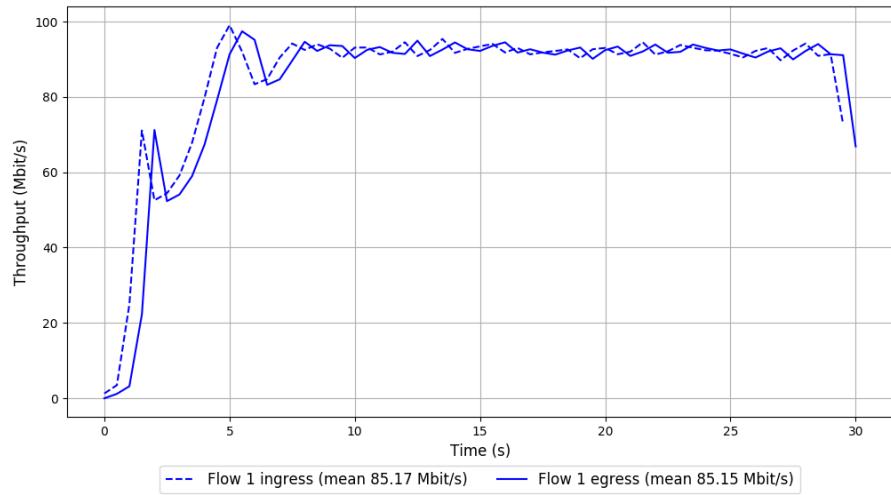


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-19 03:22:29
End at: 2018-06-19 03:22:59
Local clock offset: 1.323 ms
Remote clock offset: 0.441 ms

# Below is generated by plot.py at 2018-06-19 05:34:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 30.817 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 30.817 ms
Loss rate: 0.23%
```

Run 5: Report of PCC-Vivace — Data Link

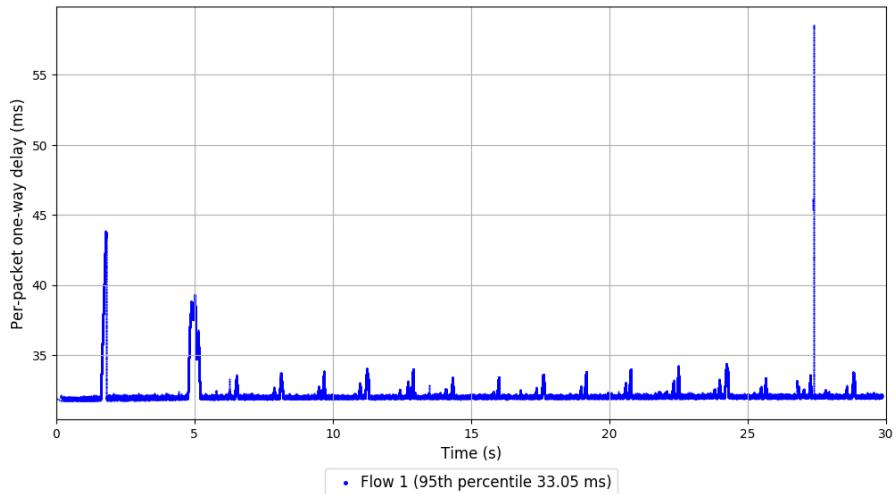
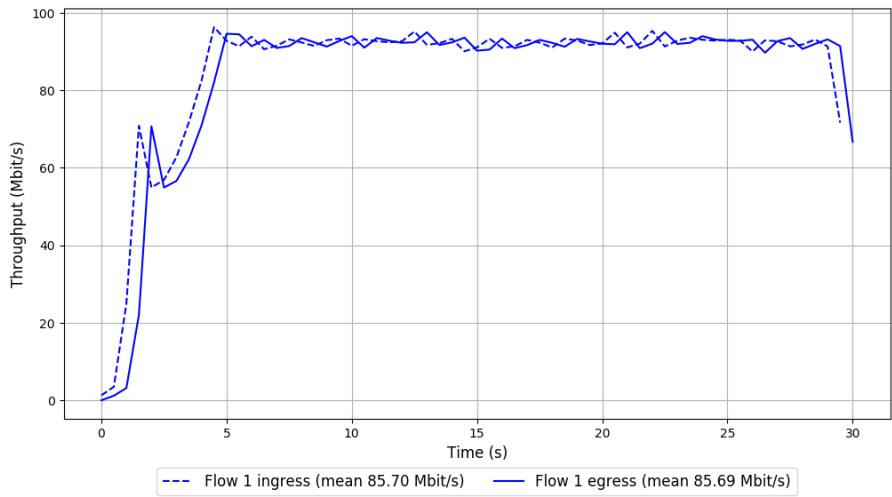


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-19 03:43:23
End at: 2018-06-19 03:43:53
Local clock offset: -1.311 ms
Remote clock offset: -2.562 ms

# Below is generated by plot.py at 2018-06-19 05:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 33.046 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 33.046 ms
Loss rate: 0.21%
```

Run 6: Report of PCC-Vivace — Data Link

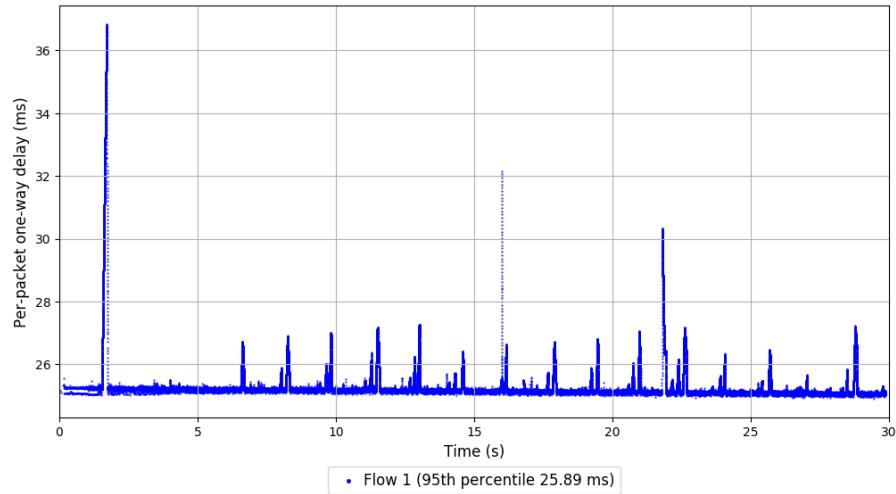
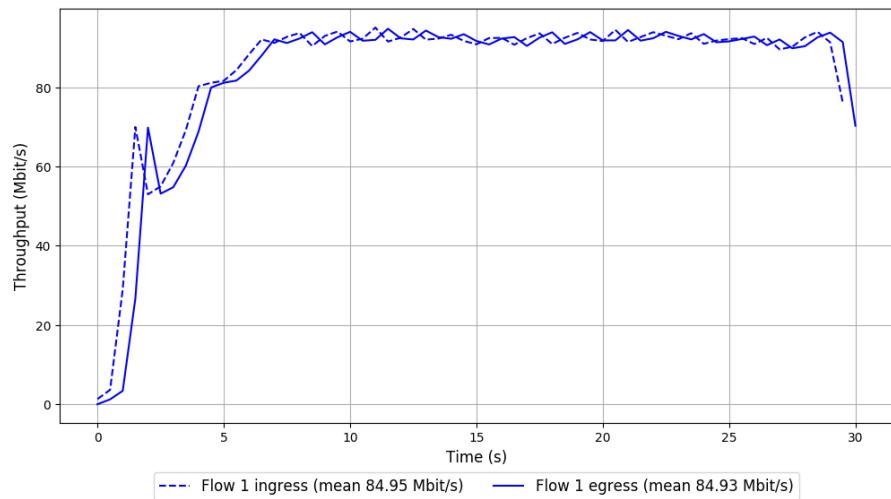


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-19 04:04:16
End at: 2018-06-19 04:04:46
Local clock offset: -2.875 ms
Remote clock offset: -1.112 ms

# Below is generated by plot.py at 2018-06-19 05:34:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 25.888 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 25.888 ms
Loss rate: 0.21%
```

Run 7: Report of PCC-Vivace — Data Link

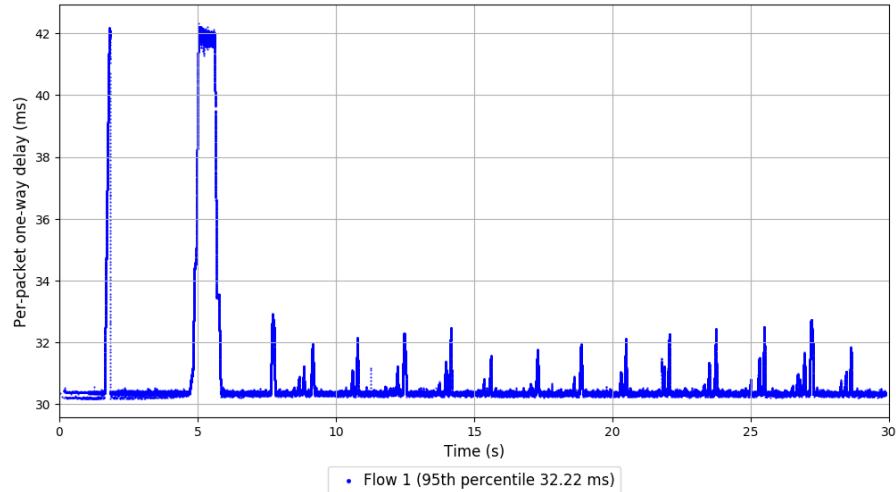
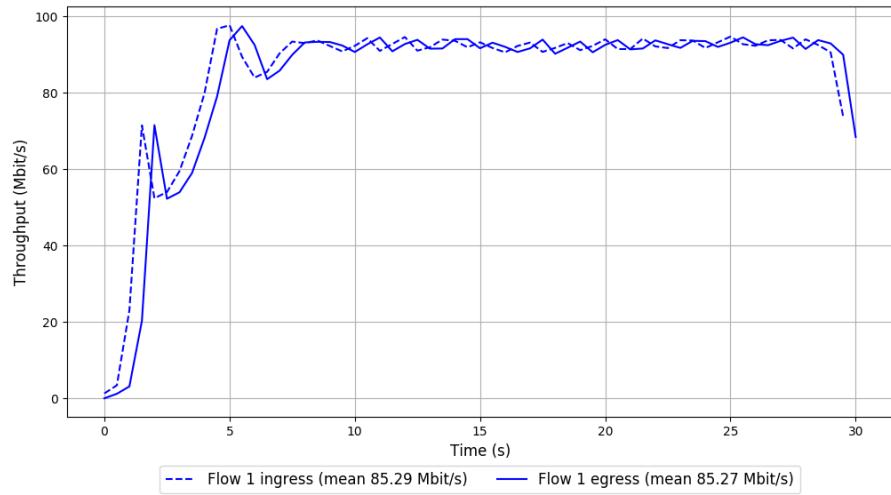


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-19 04:25:26
End at: 2018-06-19 04:25:56
Local clock offset: 0.129 ms
Remote clock offset: -1.731 ms

# Below is generated by plot.py at 2018-06-19 05:34:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 32.220 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 32.220 ms
Loss rate: 0.23%
```

Run 8: Report of PCC-Vivace — Data Link

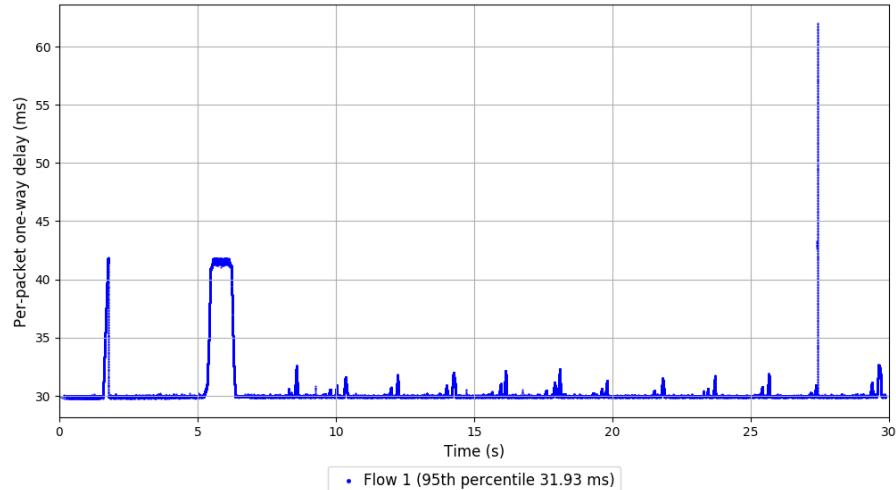
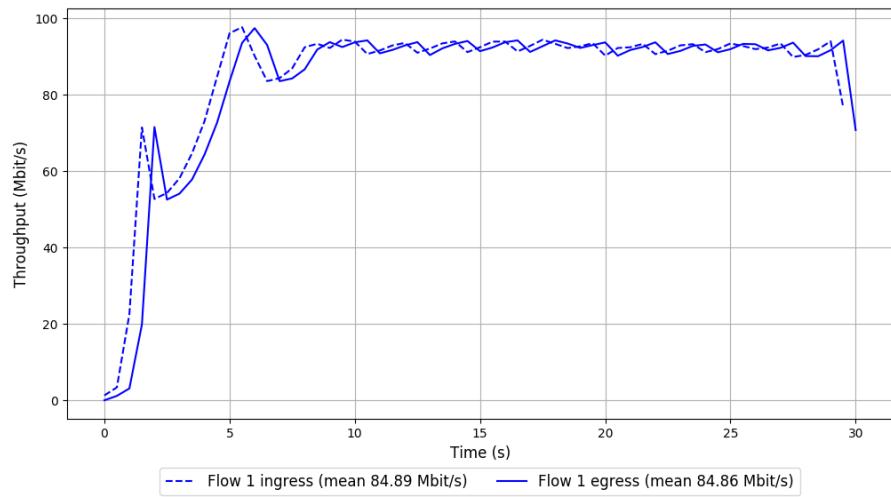


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-19 04:46:22
End at: 2018-06-19 04:46:52
Local clock offset: 0.64 ms
Remote clock offset: -0.163 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.86 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 84.86 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 0.24%
```

Run 9: Report of PCC-Vivace — Data Link

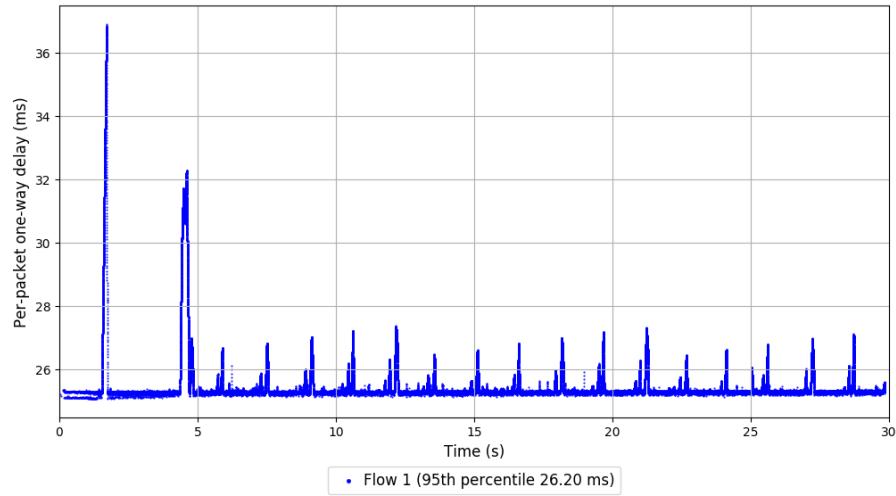
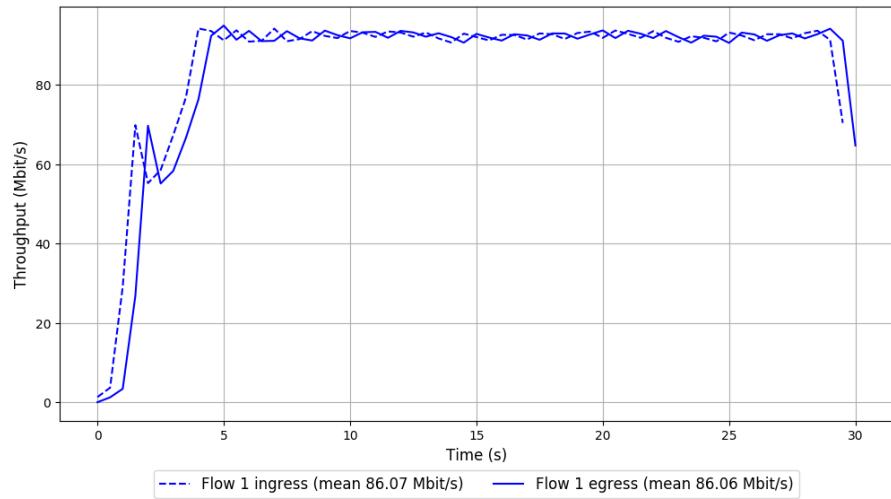


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-19 05:07:18
End at: 2018-06-19 05:07:48
Local clock offset: 0.737 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 26.201 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 26.201 ms
Loss rate: 0.20%
```

Run 10: Report of PCC-Vivace — Data Link

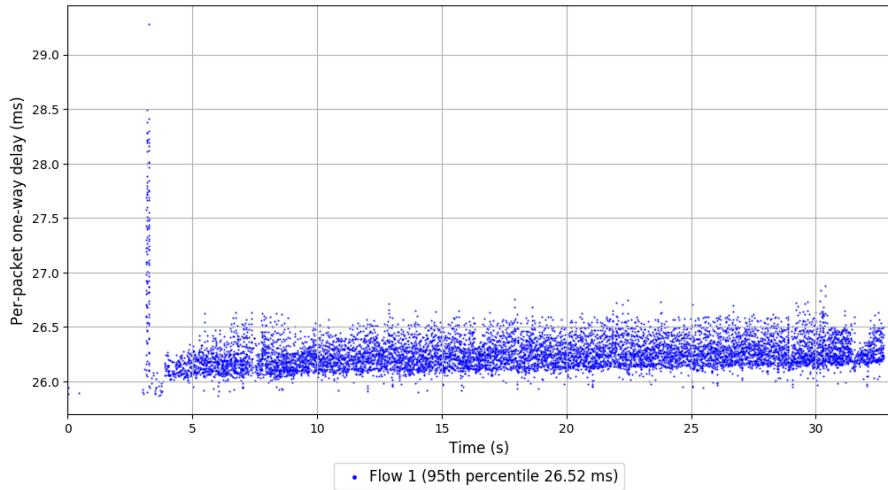
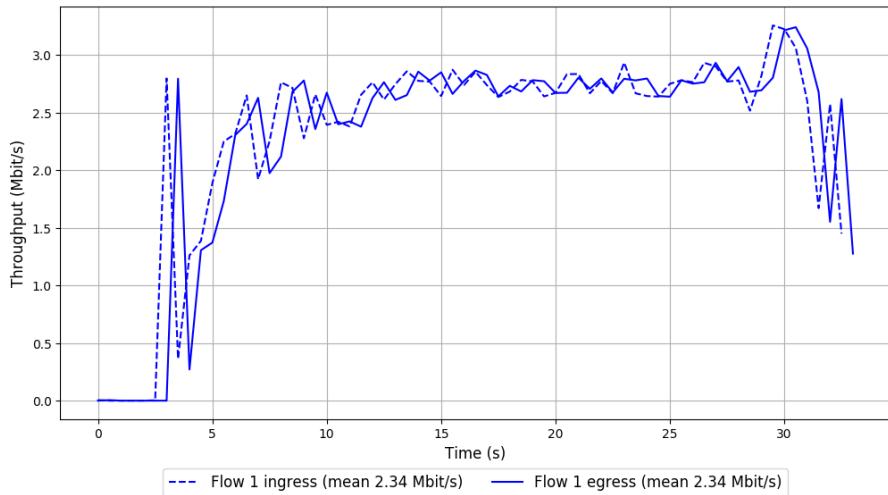


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-19 01:41:50
End at: 2018-06-19 01:42:20
Local clock offset: -1.477 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 26.515 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 26.515 ms
Loss rate: 0.18%
```

Run 1: Report of WebRTC media — Data Link

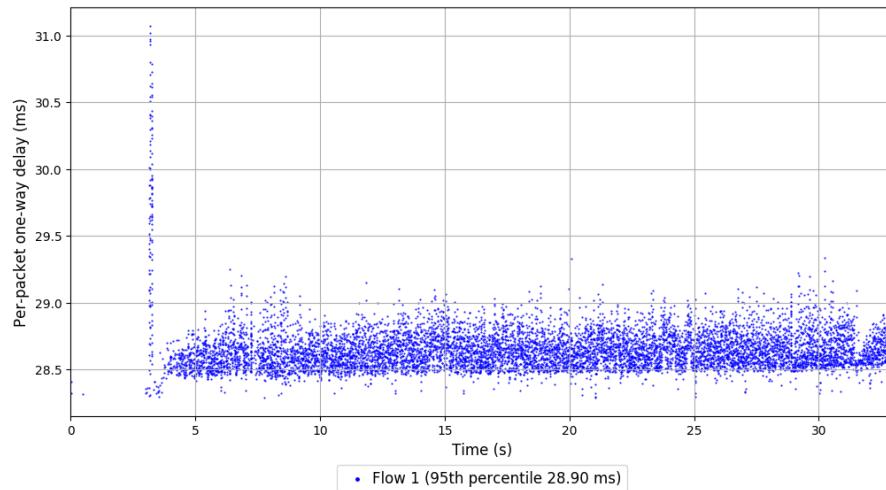
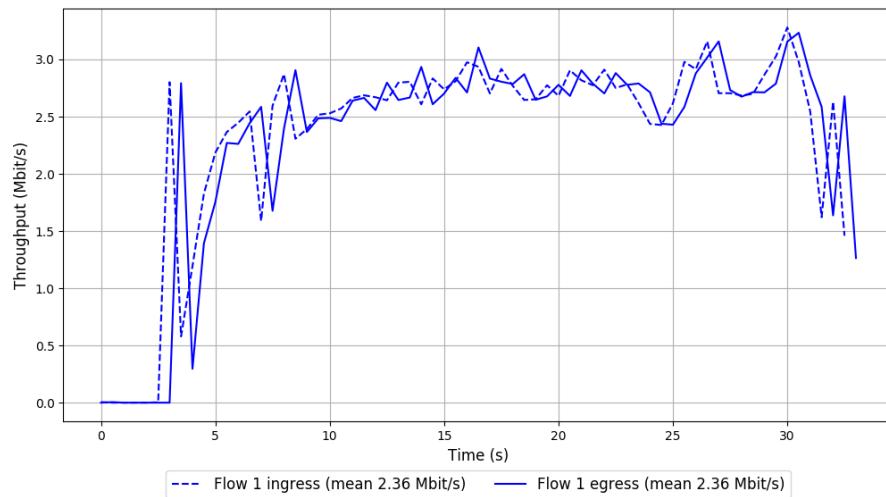


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-19 02:02:46
End at: 2018-06-19 02:03:16
Local clock offset: -3.399 ms
Remote clock offset: -1.713 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 28.901 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 28.901 ms
Loss rate: 0.19%
```

Run 2: Report of WebRTC media — Data Link

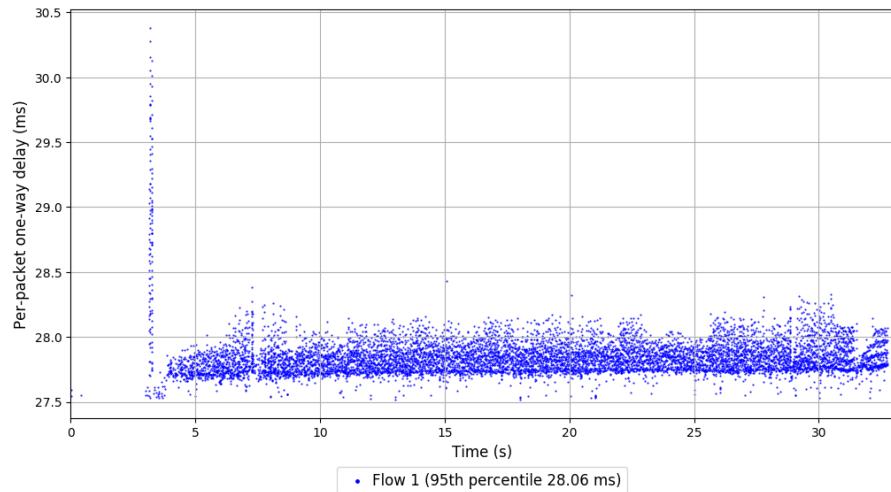
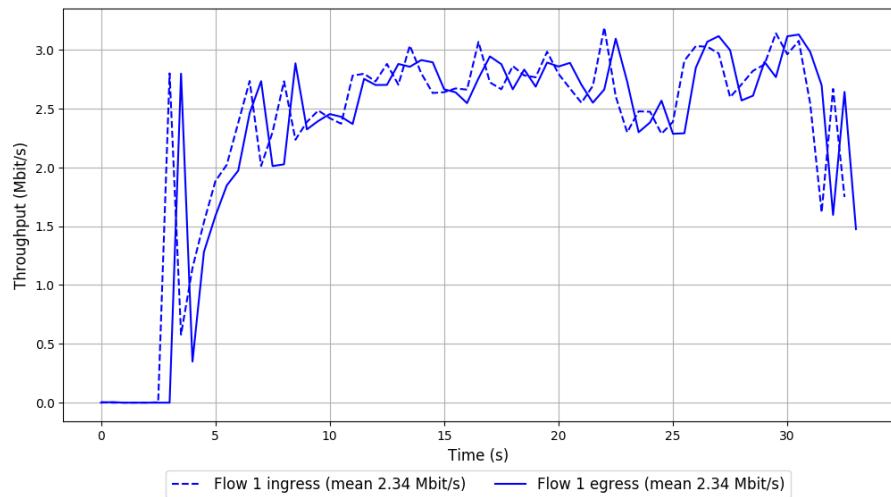


Run 3: Statistics of WebRTC media

```
Start at: 2018-06-19 02:23:41
End at: 2018-06-19 02:24:11
Local clock offset: -4.528 ms
Remote clock offset: -0.907 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 28.064 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 28.064 ms
Loss rate: 0.24%
```

Run 3: Report of WebRTC media — Data Link

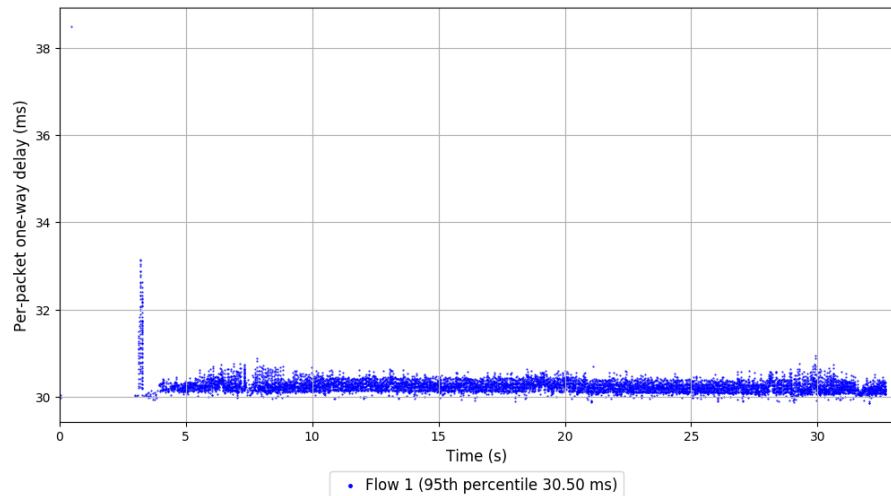
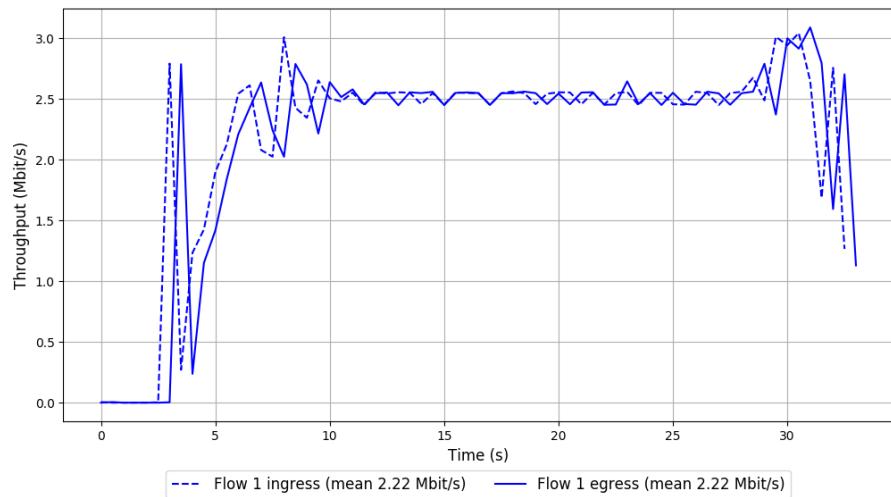


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-19 02:44:36
End at: 2018-06-19 02:45:06
Local clock offset: -0.642 ms
Remote clock offset: 2.533 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 30.497 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 30.497 ms
Loss rate: 0.22%
```

Run 4: Report of WebRTC media — Data Link

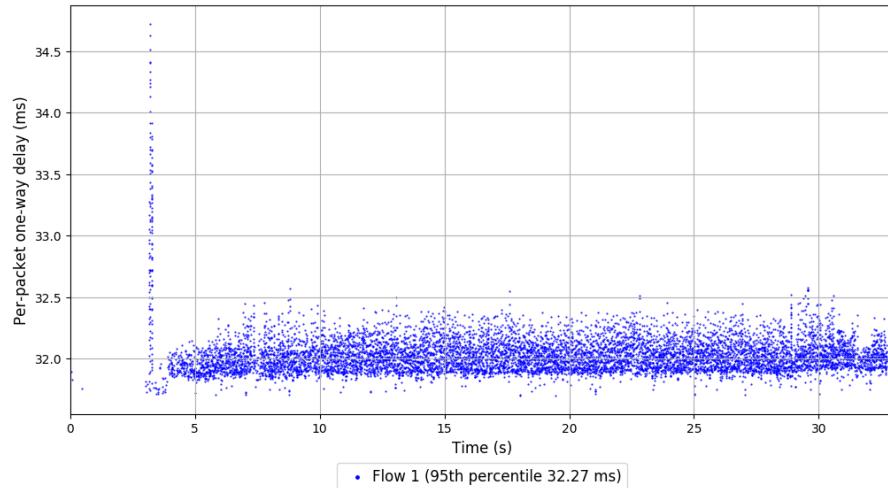
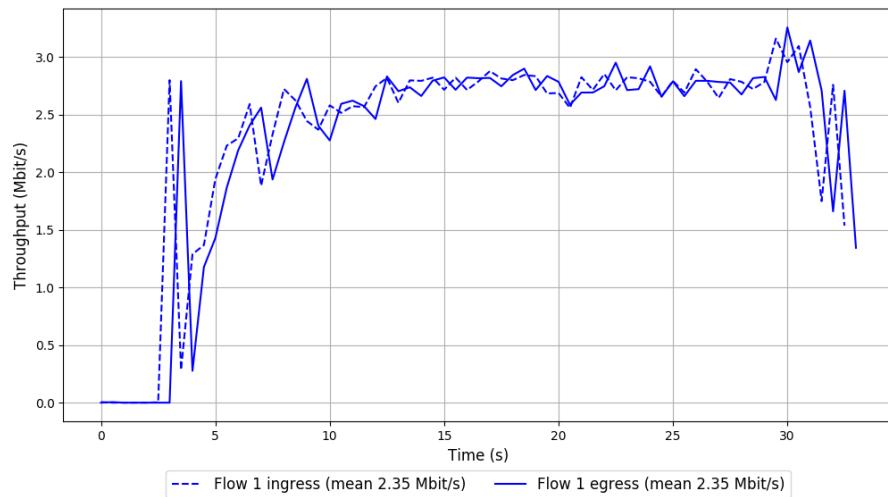


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-19 03:05:30
End at: 2018-06-19 03:06:01
Local clock offset: 1.636 ms
Remote clock offset: -1.879 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 32.272 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 32.272 ms
Loss rate: 0.25%
```

Run 5: Report of WebRTC media — Data Link

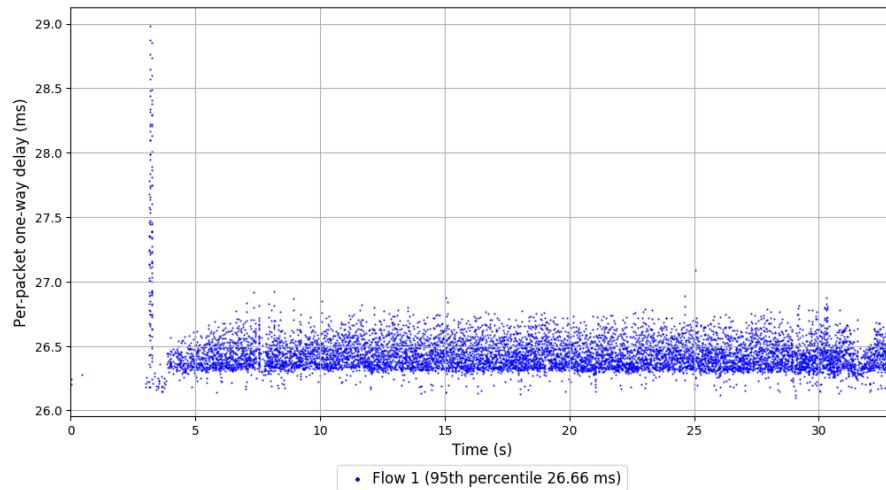
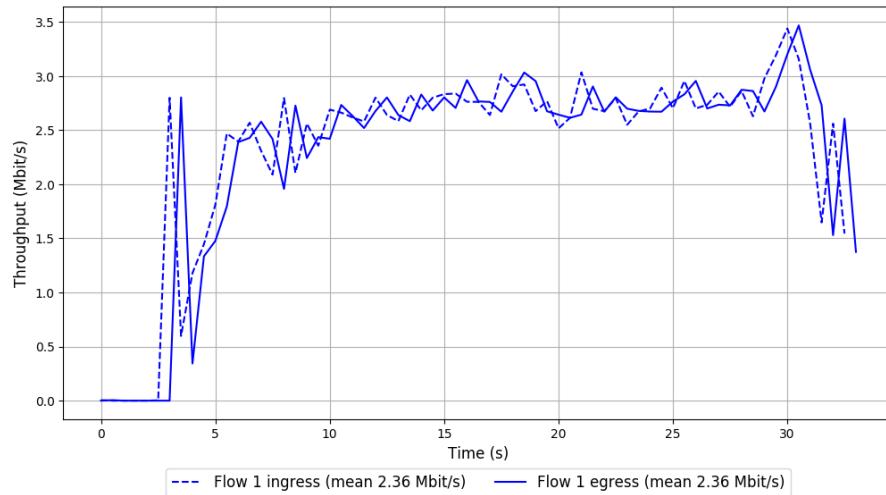


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-19 03:26:24
End at: 2018-06-19 03:26:54
Local clock offset: 1.409 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 26.656 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 26.656 ms
Loss rate: 0.17%
```

Run 6: Report of WebRTC media — Data Link

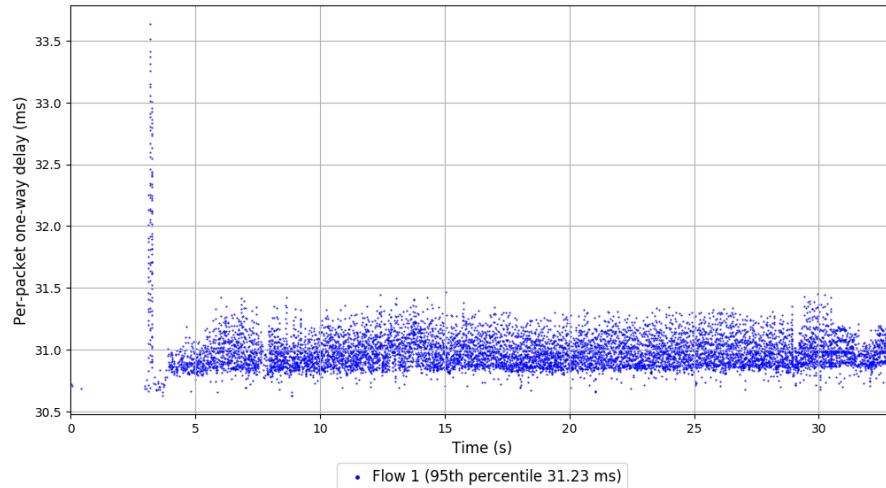
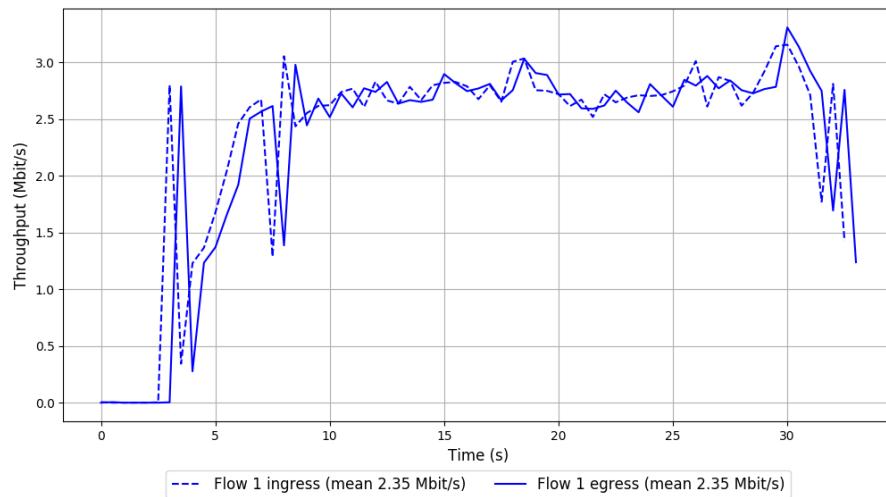


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-19 03:47:18
End at: 2018-06-19 03:47:48
Local clock offset: -1.866 ms
Remote clock offset: -0.576 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 31.225 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 31.225 ms
Loss rate: 0.25%
```

Run 7: Report of WebRTC media — Data Link

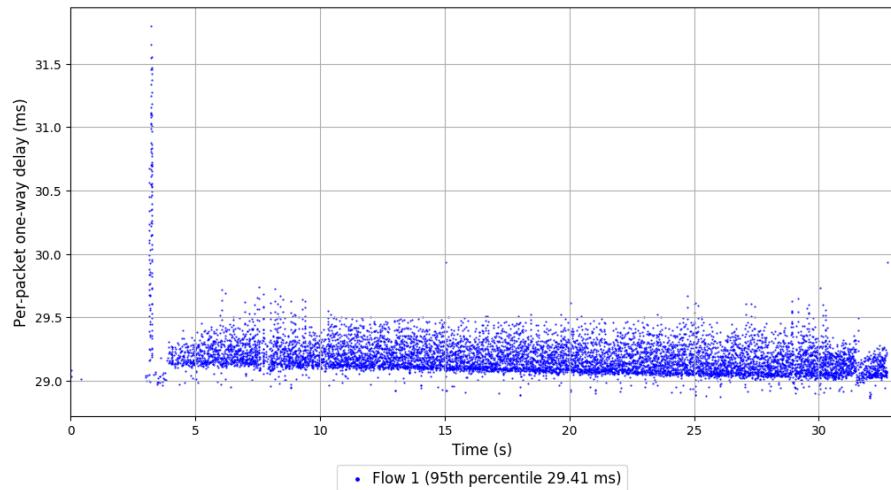
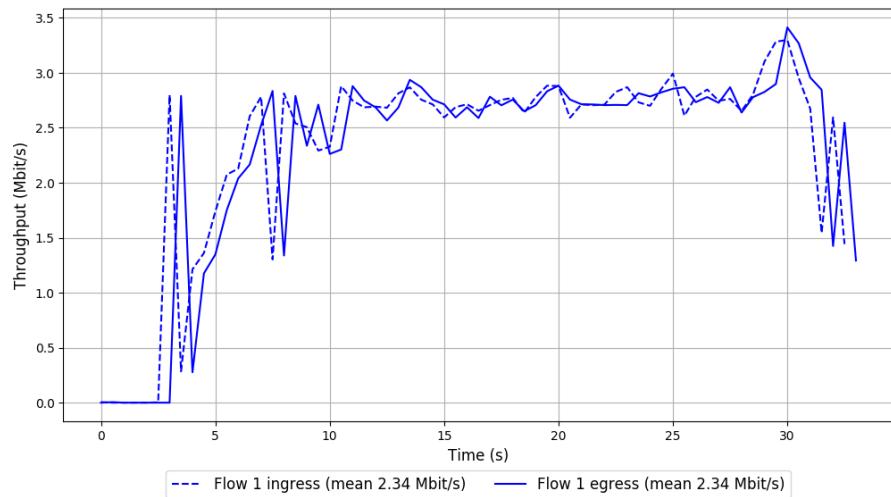


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-19 04:08:11
End at: 2018-06-19 04:08:41
Local clock offset: -1.769 ms
Remote clock offset: -0.842 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 29.413 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 29.413 ms
Loss rate: 0.22%
```

Run 8: Report of WebRTC media — Data Link

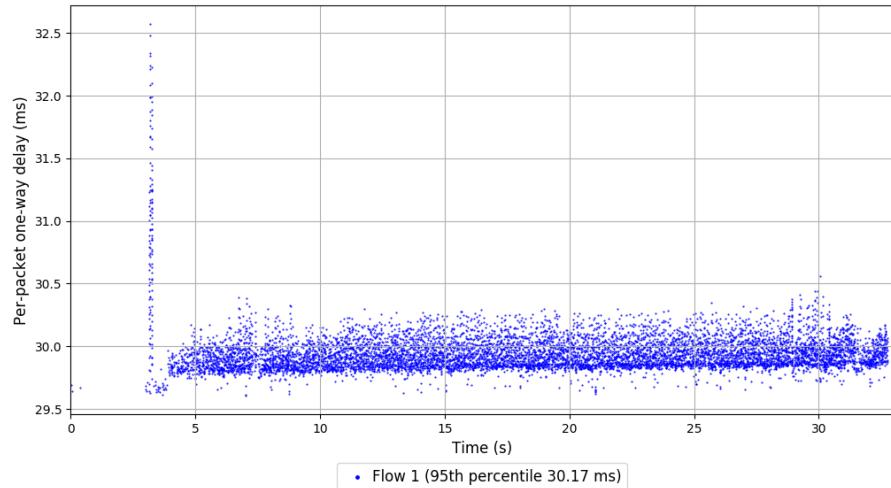
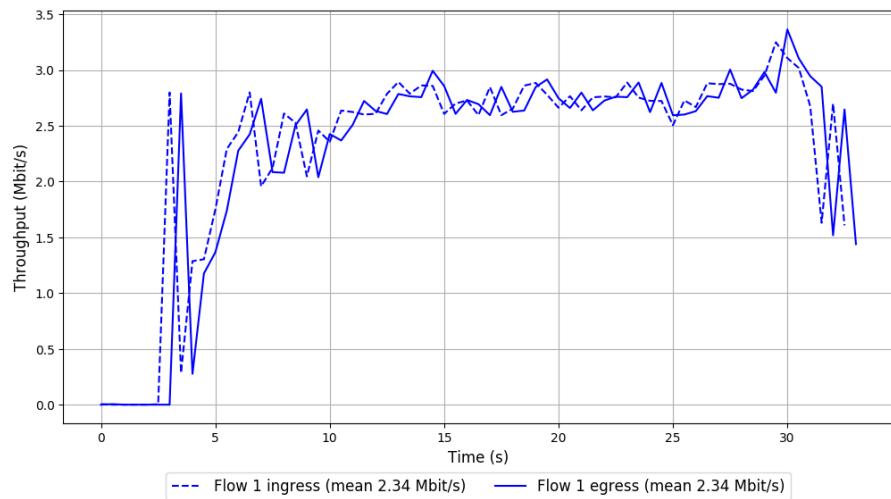


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-19 04:29:21
End at: 2018-06-19 04:29:51
Local clock offset: 0.41 ms
Remote clock offset: -1.761 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 30.170 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 30.170 ms
Loss rate: 0.24%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-19 04:50:17
End at: 2018-06-19 04:50:47
Local clock offset: 0.713 ms
Remote clock offset: -2.676 ms

# Below is generated by plot.py at 2018-06-19 05:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 0.19%
```

Run 10: Report of WebRTC media — Data Link

