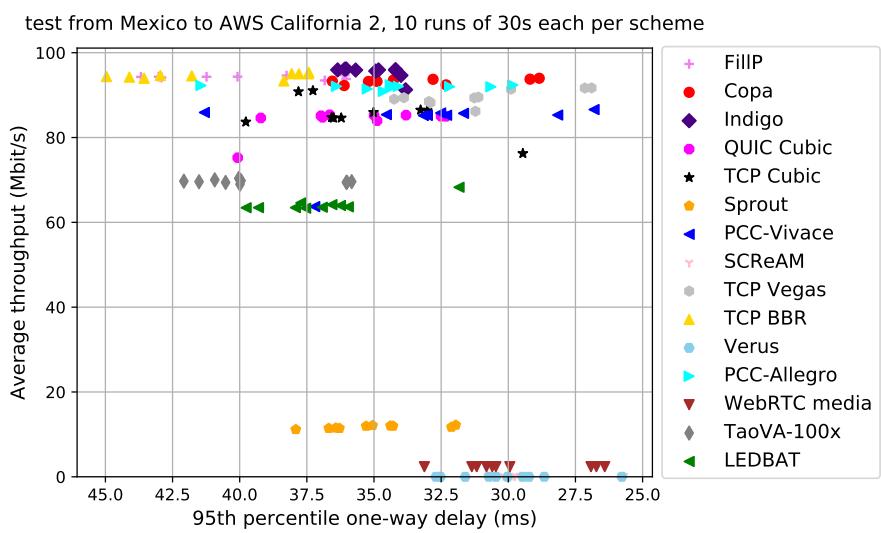
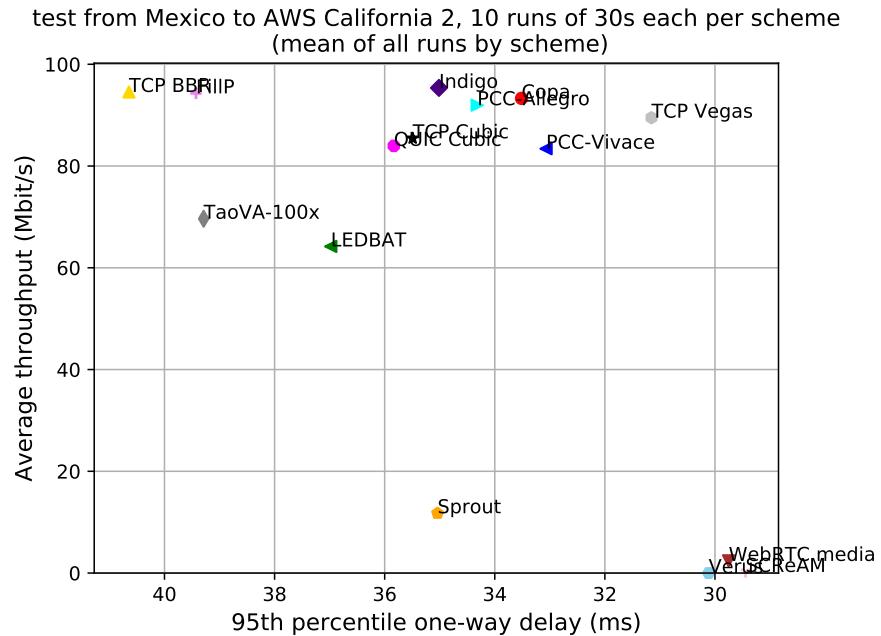


Pantheon Report

Generated at 2018-05-25 05:11:36 (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 @ 0088822873ea99180f63545a341ef069f40efe59  
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834  
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
  M receiver/src/buffer.h  
  M receiver/src/core.cpp  
  M sender/src/buffer.h  
  M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
  M src/verus.hpp  
  M tools/plot.py  
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4  
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



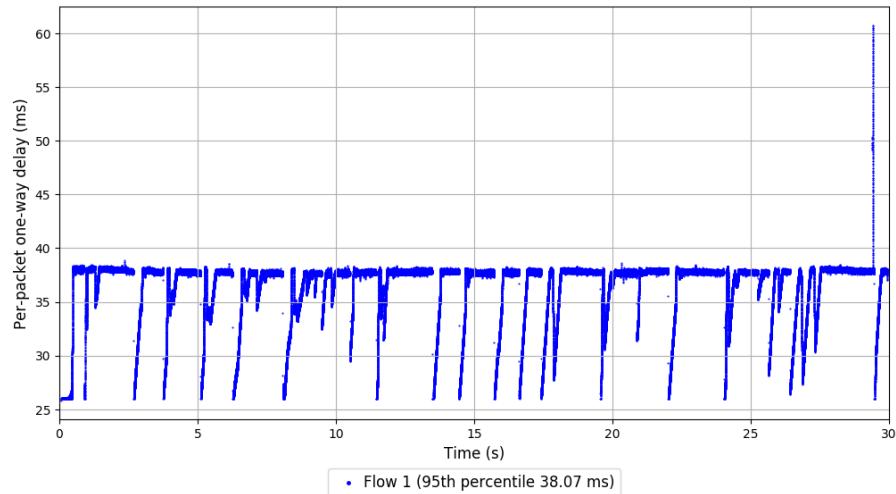
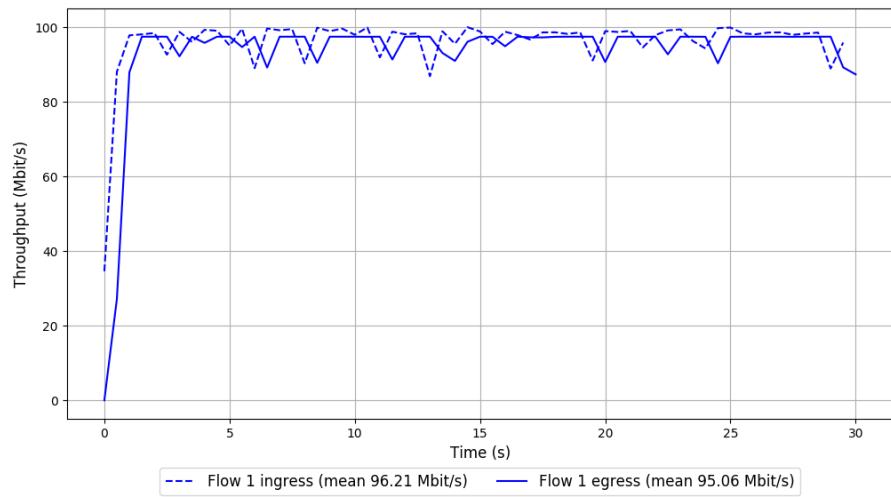
| scheme | # runs | mean avg tput (Mbit/s) flow 1 | mean 95th-%ile delay (ms) flow 1 | mean loss rate (%) flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR | 10 | 94.56 | 40.64 | 1.25 |
| Copa | 10 | 93.30 | 33.51 | 0.20 |
| TCP Cubic | 10 | 85.45 | 35.49 | 0.23 |
| FillP | 10 | 94.29 | 39.43 | 0.23 |
| Indigo | 10 | 95.36 | 35.01 | 0.22 |
| LEDBAT | 10 | 64.19 | 36.98 | 0.25 |
| PCC-Allegro | 10 | 91.95 | 34.32 | 0.22 |
| PCC-Expr | 0 | N/A | N/A | N/A |
| QUIC Cubic | 10 | 83.96 | 35.83 | 0.24 |
| SCReAM | 10 | 0.22 | 29.45 | 0.22 |
| Sprout | 10 | 11.76 | 35.04 | 0.18 |
| TaoVA-100x | 10 | 69.64 | 39.29 | 0.21 |
| TCP Vegas | 10 | 89.50 | 31.15 | 0.21 |
| Verus | 10 | 0.00 | 30.12 | 0.00 |
| PCC-Vivace | 10 | 83.41 | 33.07 | 0.23 |
| WebRTC media | 10 | 2.38 | 29.75 | 0.21 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-25 01:39:55
End at: 2018-05-25 01:40:25
Local clock offset: 0.414 ms
Remote clock offset: 3.485 ms

# Below is generated by plot.py at 2018-05-25 04:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 38.066 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 38.066 ms
Loss rate: 1.38%
```

Run 1: Report of TCP BBR — Data Link

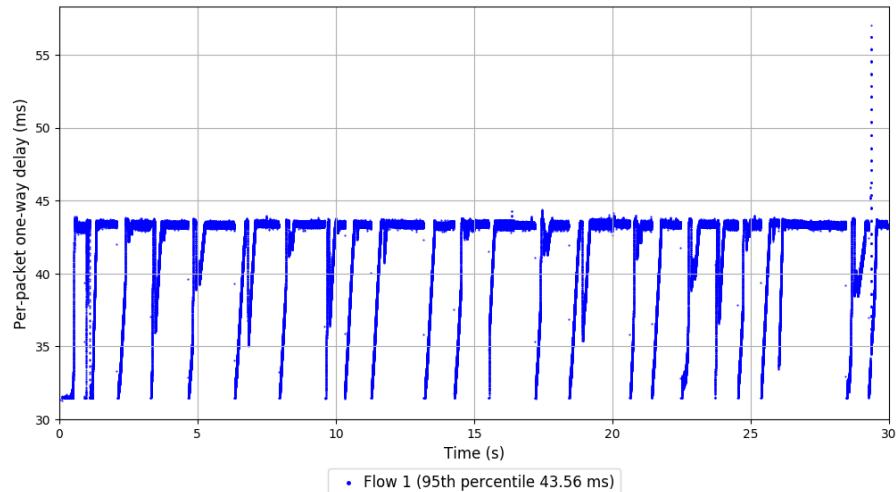
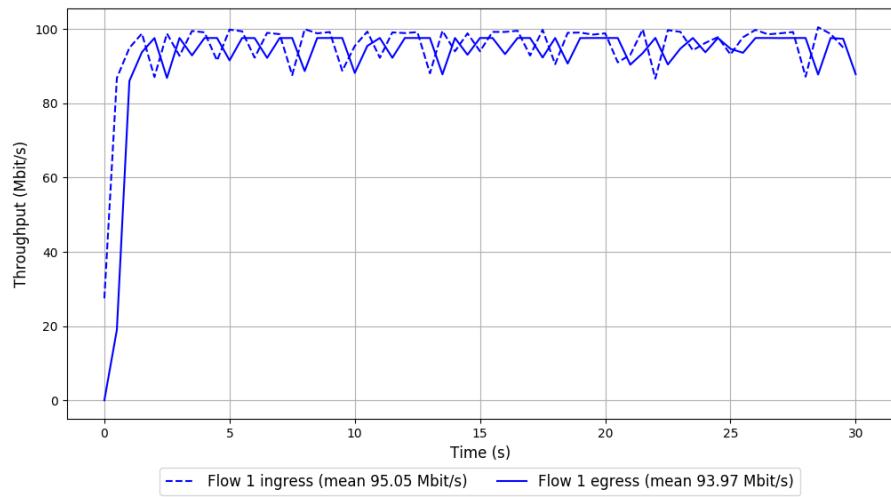


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-25 02:00:41
End at: 2018-05-25 02:01:11
Local clock offset: 0.317 ms
Remote clock offset: 3.184 ms

# Below is generated by plot.py at 2018-05-25 04:55:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 43.559 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 43.559 ms
Loss rate: 1.33%
```

Run 2: Report of TCP BBR — Data Link

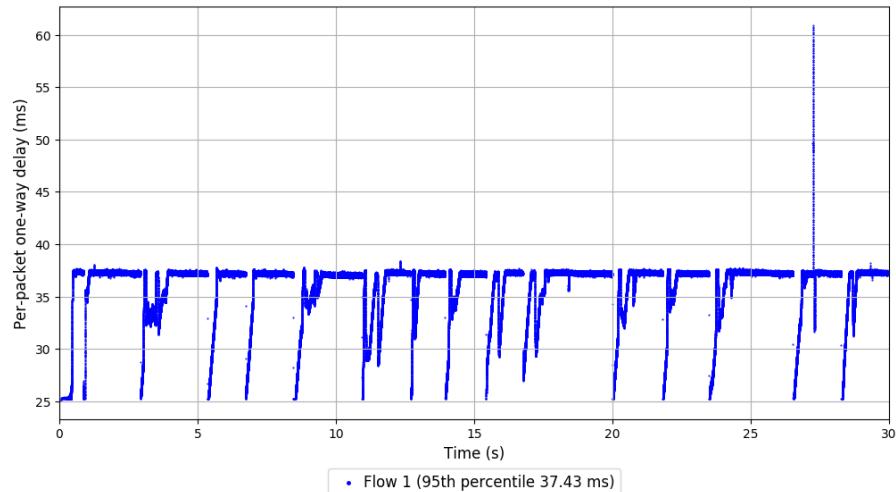
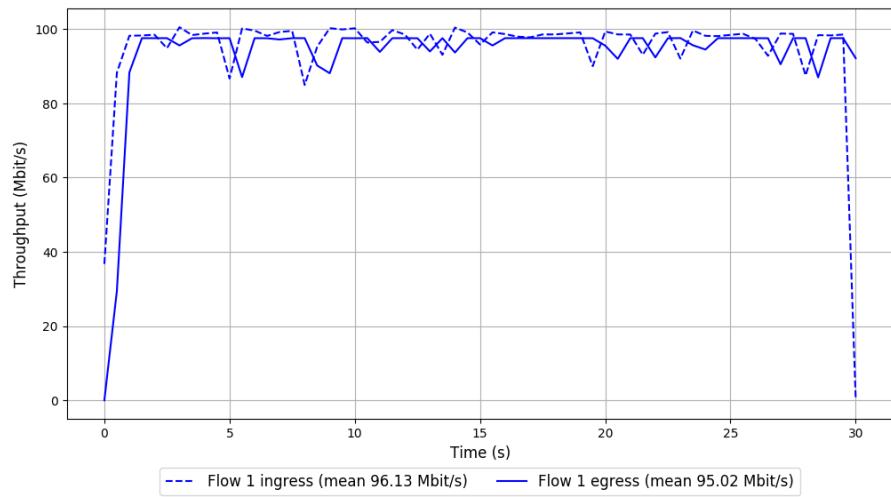


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-25 02:21:28
End at: 2018-05-25 02:21:58
Local clock offset: 0.282 ms
Remote clock offset: 4.077 ms

# Below is generated by plot.py at 2018-05-25 04:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 37.433 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 37.433 ms
Loss rate: 1.35%
```

Run 3: Report of TCP BBR — Data Link

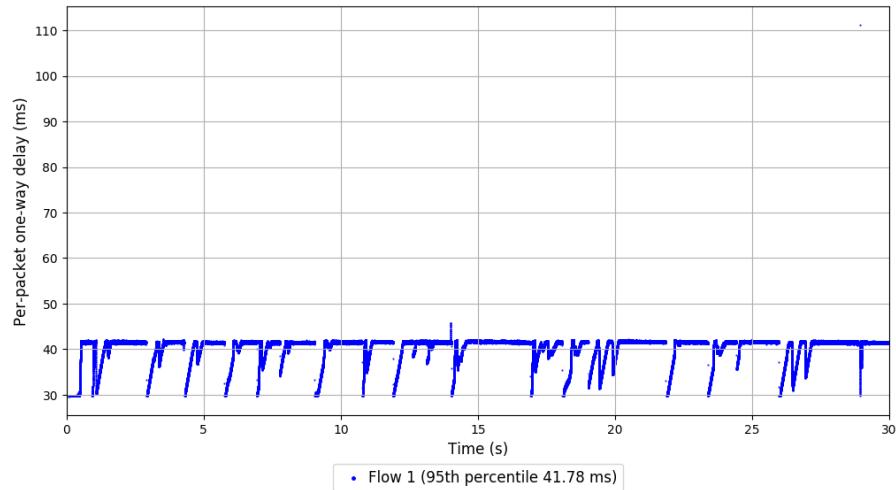
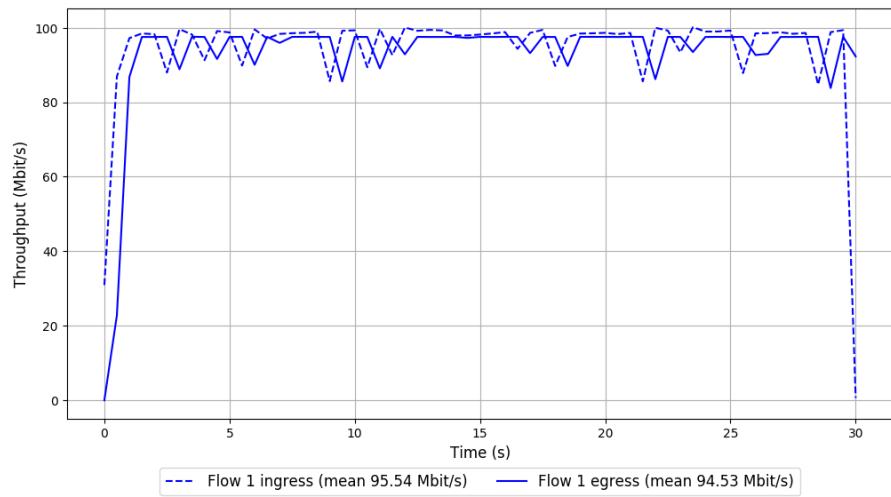


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-25 02:42:15
End at: 2018-05-25 02:42:45
Local clock offset: 0.099 ms
Remote clock offset: 3.335 ms

# Below is generated by plot.py at 2018-05-25 04:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 41.785 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 41.785 ms
Loss rate: 1.27%
```

Run 4: Report of TCP BBR — Data Link

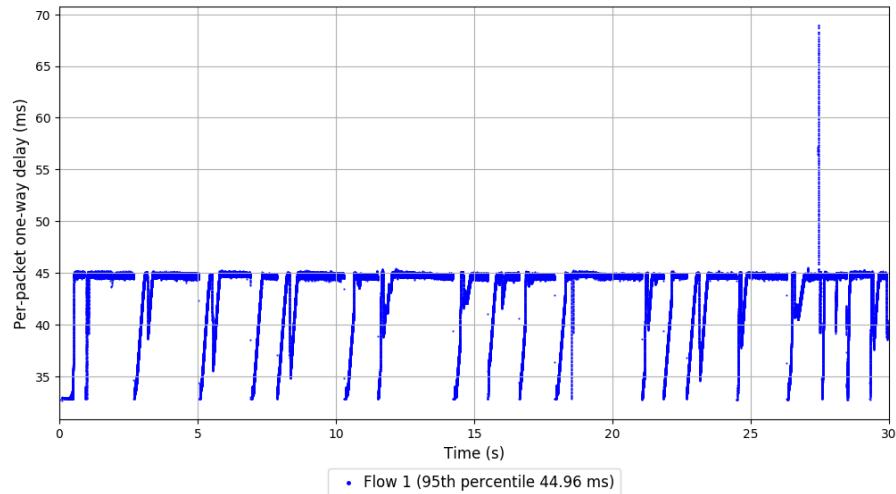
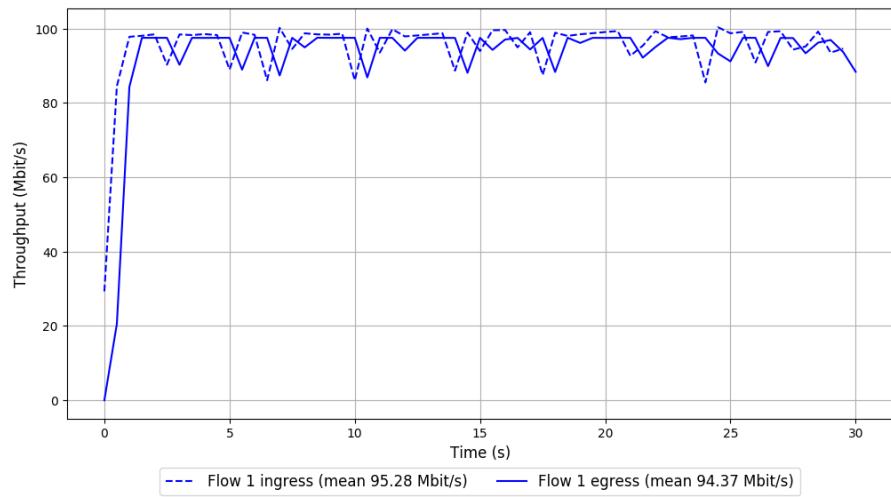


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-25 03:03:04
End at: 2018-05-25 03:03:34
Local clock offset: 0.165 ms
Remote clock offset: 0.569 ms

# Below is generated by plot.py at 2018-05-25 04:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 44.960 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 44.960 ms
Loss rate: 1.15%
```

Run 5: Report of TCP BBR — Data Link

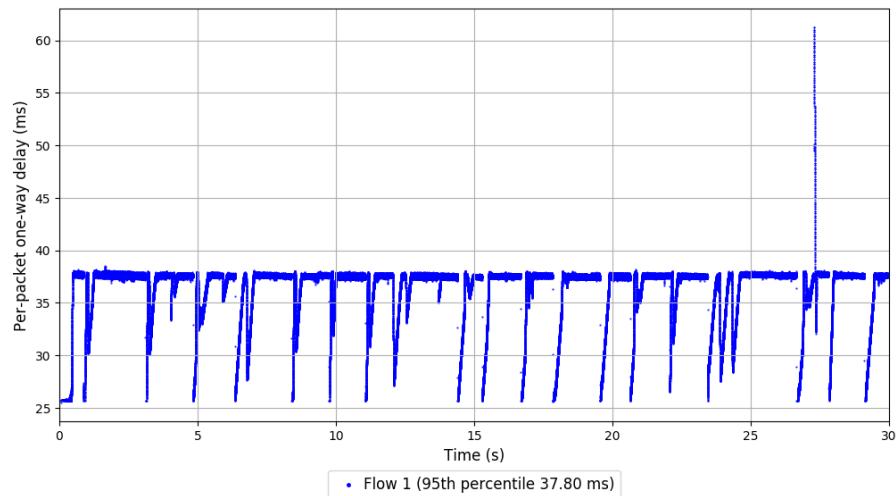
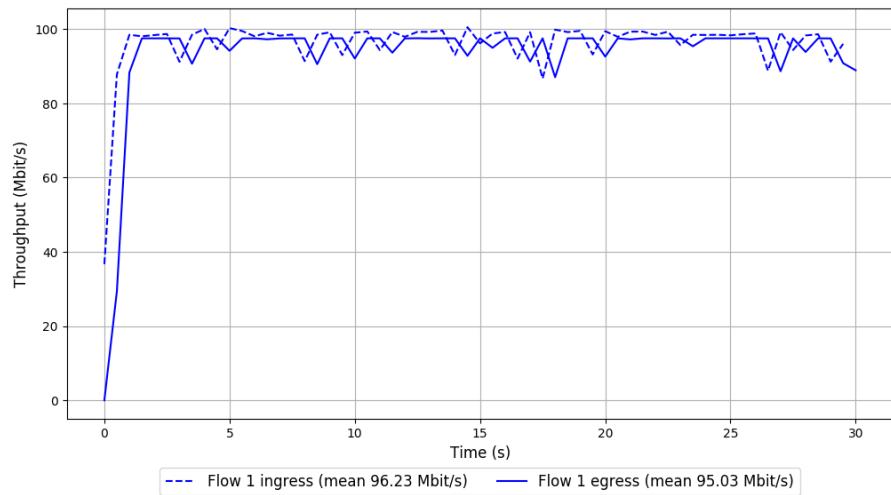


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-25 03:24:10
End at: 2018-05-25 03:24:40
Local clock offset: 0.175 ms
Remote clock offset: 1.711 ms

# Below is generated by plot.py at 2018-05-25 04:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 37.797 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 37.797 ms
Loss rate: 1.44%
```

Run 6: Report of TCP BBR — Data Link

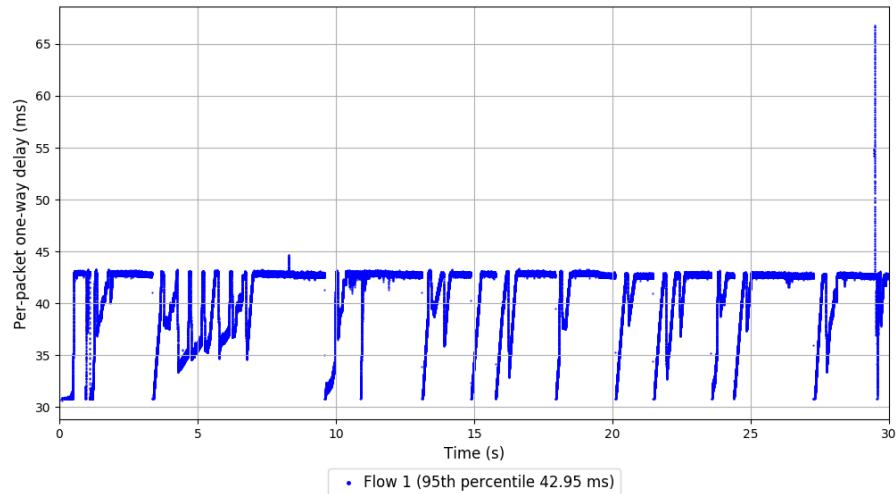
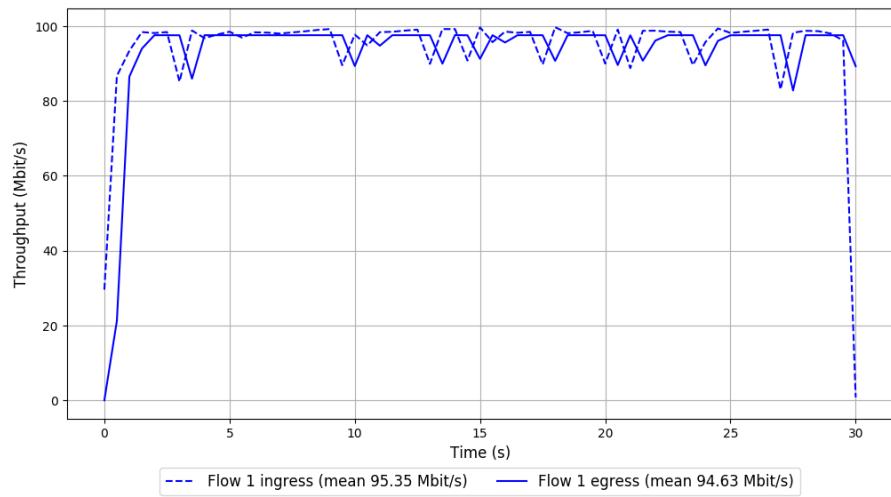


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-25 03:44:53
End at: 2018-05-25 03:45:23
Local clock offset: 0.022 ms
Remote clock offset: 2.018 ms

# Below is generated by plot.py at 2018-05-25 04:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 42.954 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 42.954 ms
Loss rate: 0.97%
```

Run 7: Report of TCP BBR — Data Link

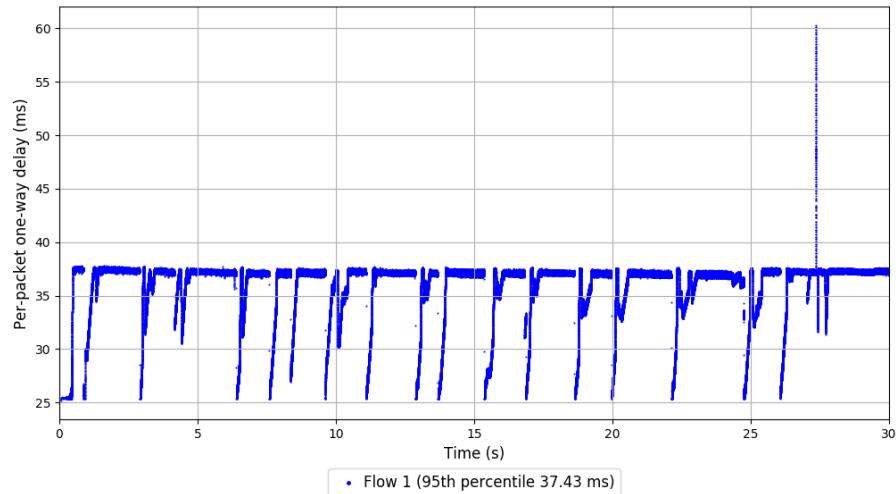
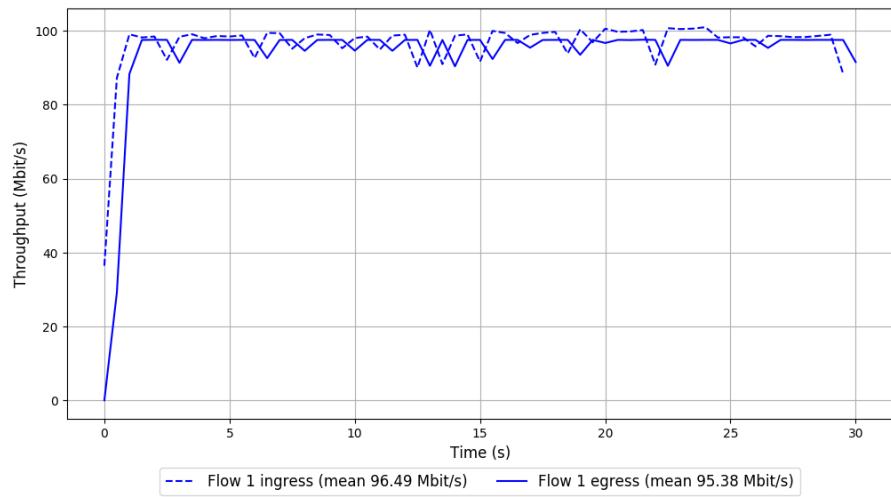


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-25 04:05:52
End at: 2018-05-25 04:06:22
Local clock offset: 0.48 ms
Remote clock offset: 2.509 ms

# Below is generated by plot.py at 2018-05-25 04:55:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 37.430 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 37.430 ms
Loss rate: 1.34%
```

Run 8: Report of TCP BBR — Data Link

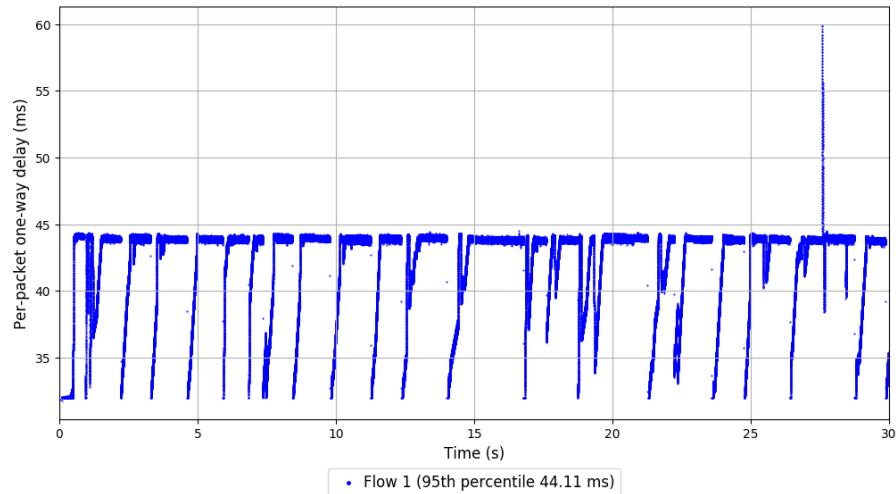
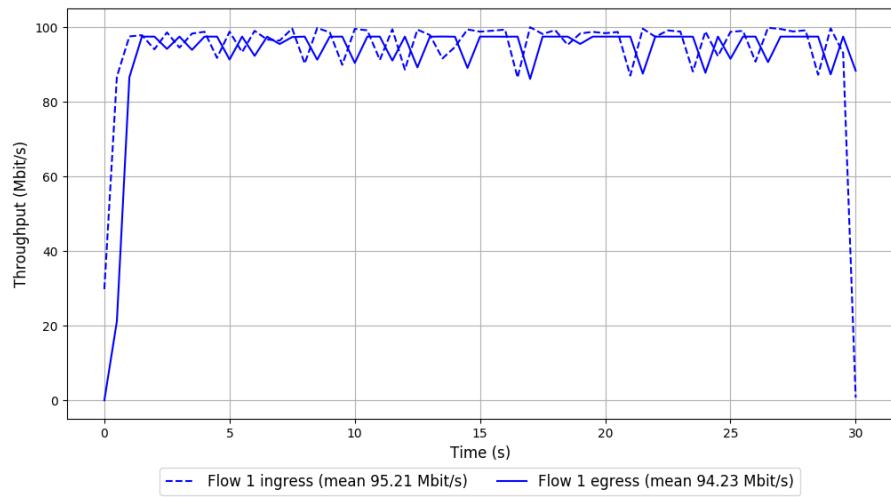


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-25 04:26:41
End at: 2018-05-25 04:27:11
Local clock offset: 0.631 ms
Remote clock offset: 0.422 ms

# Below is generated by plot.py at 2018-05-25 04:56:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 44.106 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 44.106 ms
Loss rate: 1.22%
```

Run 9: Report of TCP BBR — Data Link

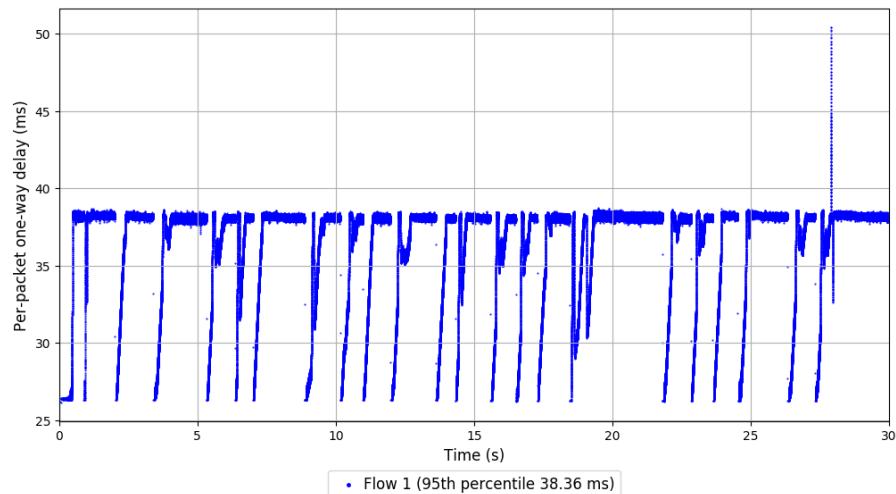
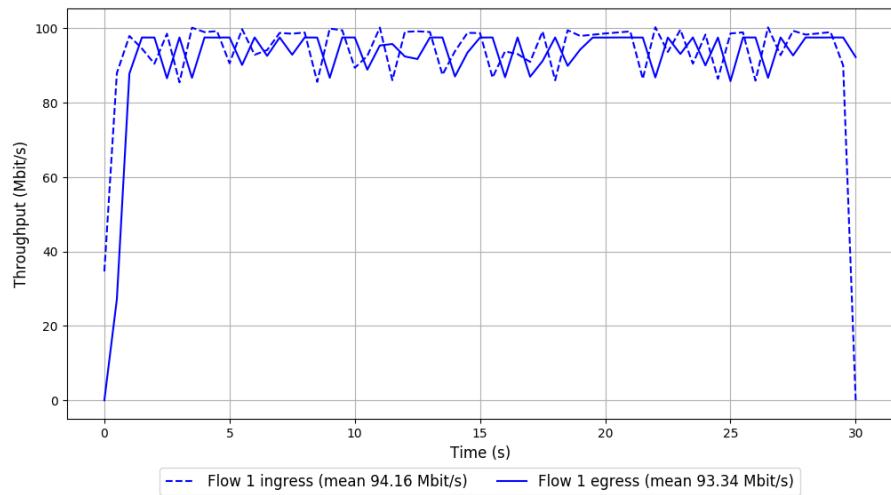


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-25 04:47:30
End at: 2018-05-25 04:48:00
Local clock offset: -0.174 ms
Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2018-05-25 04:56:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 38.358 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 38.358 ms
Loss rate: 1.05%
```

Run 10: Report of TCP BBR — Data Link

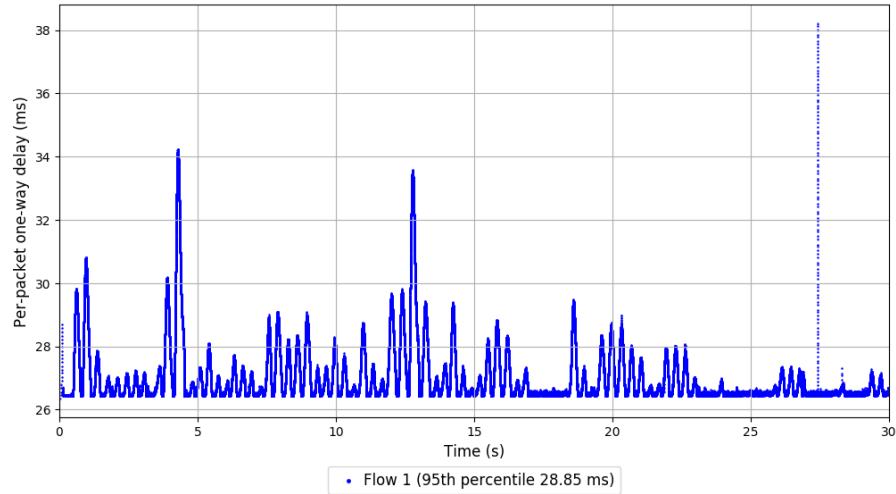
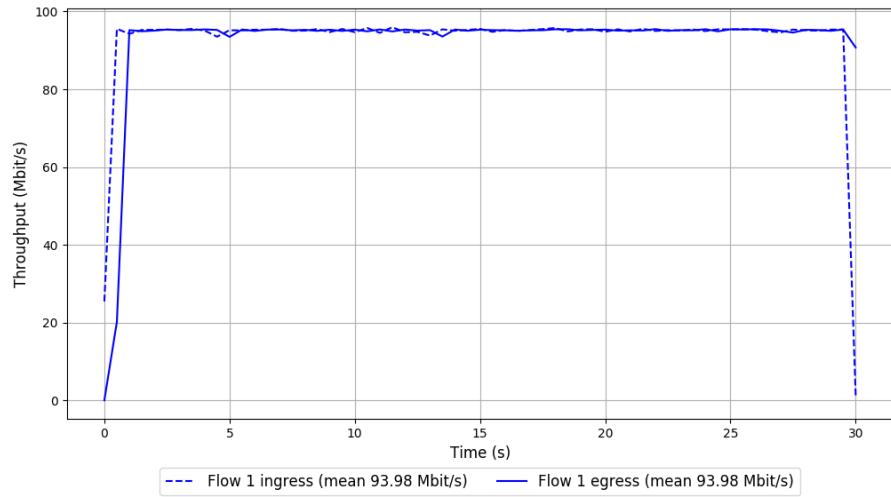


Run 1: Statistics of Copa

```
Start at: 2018-05-25 01:42:29
End at: 2018-05-25 01:42:59
Local clock offset: 0.491 ms
Remote clock offset: 3.14 ms

# Below is generated by plot.py at 2018-05-25 04:57:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 28.848 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 28.848 ms
Loss rate: 0.19%
```

Run 1: Report of Copa — Data Link

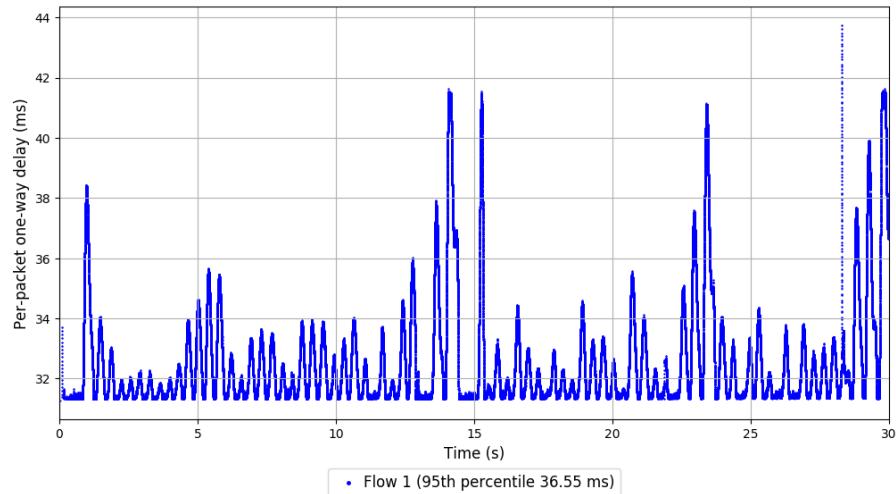
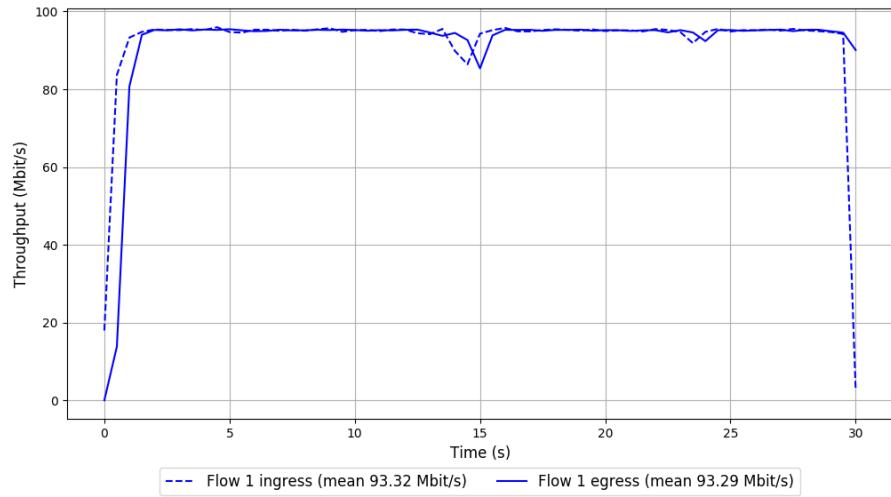


Run 2: Statistics of Copa

```
Start at: 2018-05-25 02:03:16
End at: 2018-05-25 02:03:46
Local clock offset: 0.273 ms
Remote clock offset: 3.259 ms

# Below is generated by plot.py at 2018-05-25 04:57:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 36.552 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 36.552 ms
Loss rate: 0.23%
```

Run 2: Report of Copa — Data Link

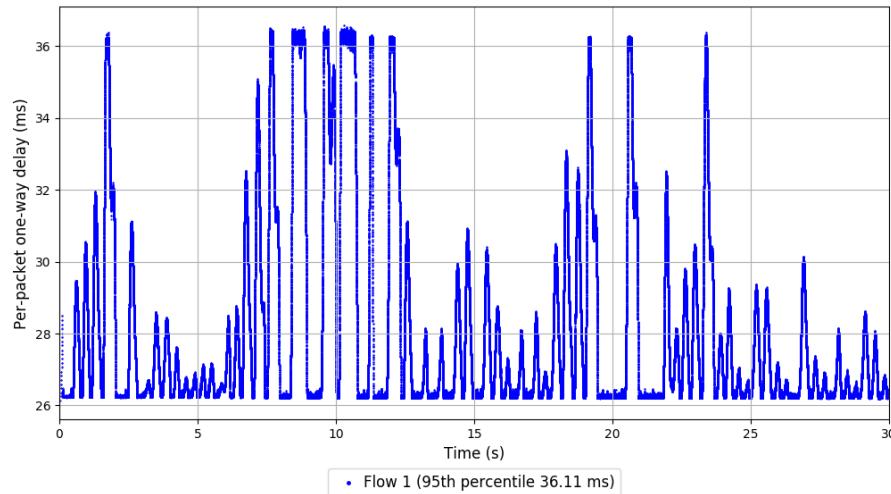
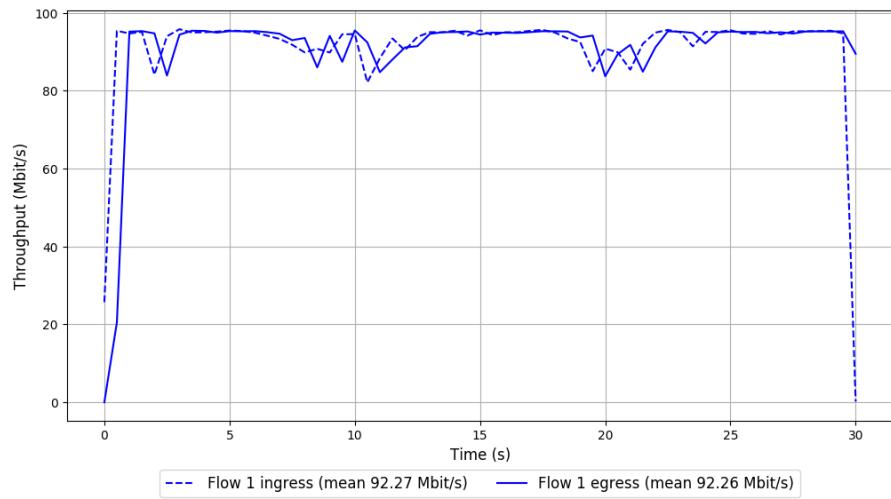


Run 3: Statistics of Copa

```
Start at: 2018-05-25 02:24:03
End at: 2018-05-25 02:24:33
Local clock offset: 0.401 ms
Remote clock offset: 3.625 ms

# Below is generated by plot.py at 2018-05-25 04:57:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 36.111 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 36.111 ms
Loss rate: 0.20%
```

Run 3: Report of Copa — Data Link

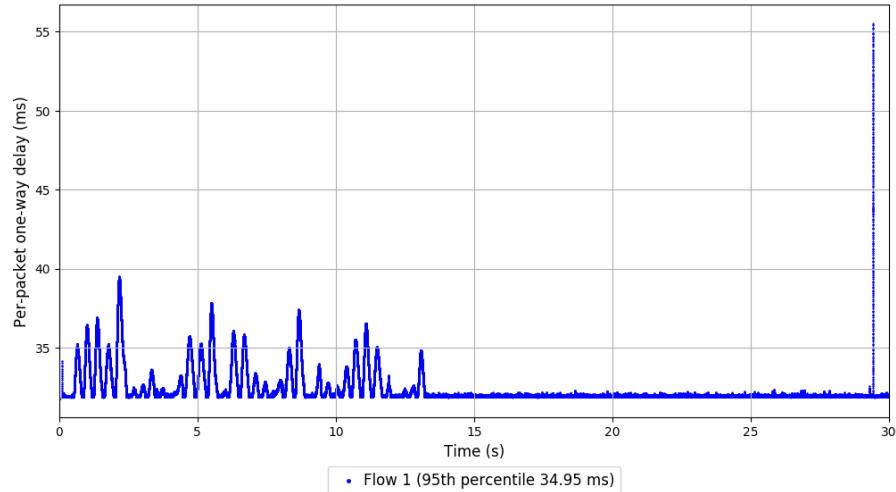
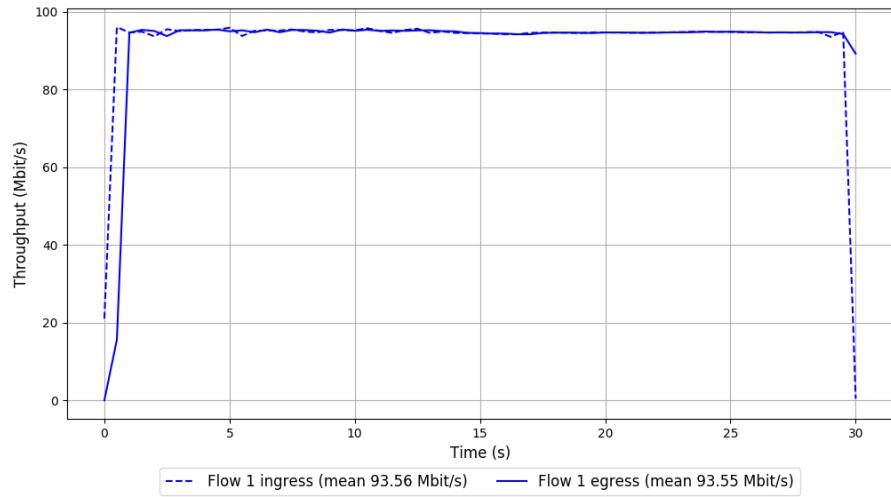


Run 4: Statistics of Copa

```
Start at: 2018-05-25 02:44:49
End at: 2018-05-25 02:45:20
Local clock offset: 0.154 ms
Remote clock offset: 1.253 ms

# Below is generated by plot.py at 2018-05-25 04:57:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 34.950 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 34.950 ms
Loss rate: 0.20%
```

Run 4: Report of Copa — Data Link

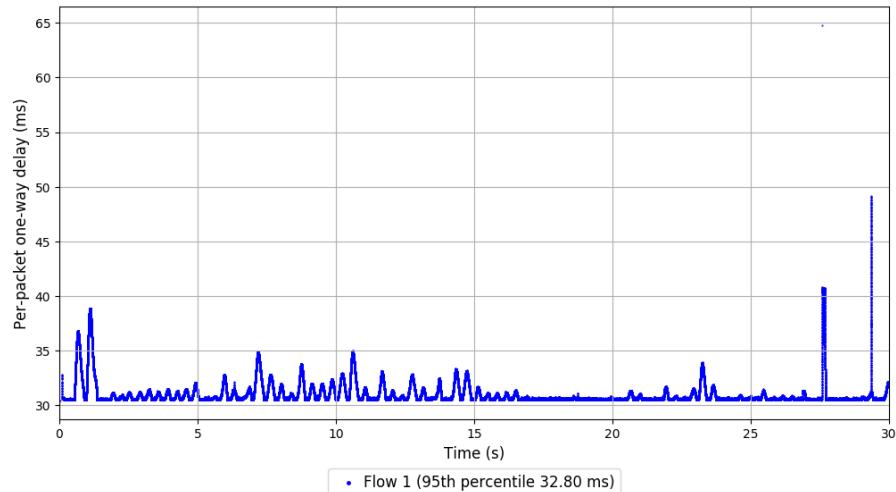
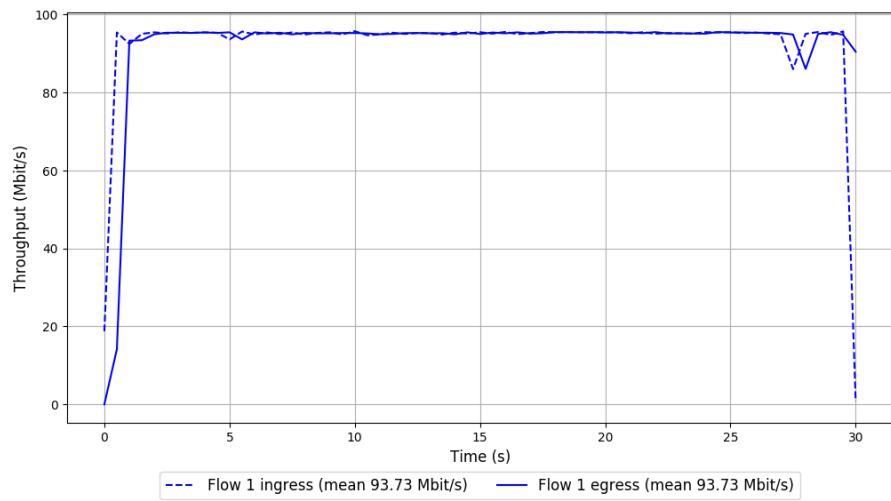


Run 5: Statistics of Copa

```
Start at: 2018-05-25 03:05:39
End at: 2018-05-25 03:06:09
Local clock offset: 0.184 ms
Remote clock offset: 2.455 ms

# Below is generated by plot.py at 2018-05-25 04:57:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 32.802 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 32.802 ms
Loss rate: 0.21%
```

Run 5: Report of Copa — Data Link

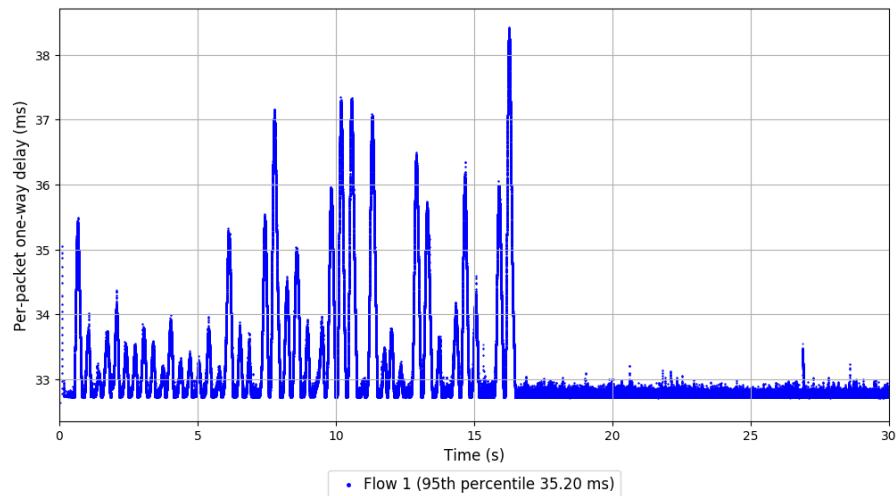
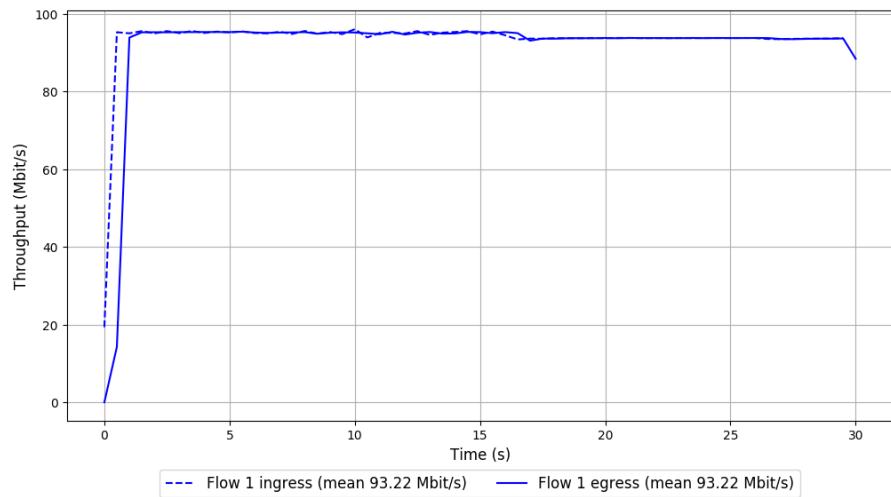


Run 6: Statistics of Copa

```
Start at: 2018-05-25 03:26:44
End at: 2018-05-25 03:27:14
Local clock offset: 0.072 ms
Remote clock offset: -0.469 ms

# Below is generated by plot.py at 2018-05-25 04:57:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 35.205 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 35.205 ms
Loss rate: 0.20%
```

Run 6: Report of Copa — Data Link

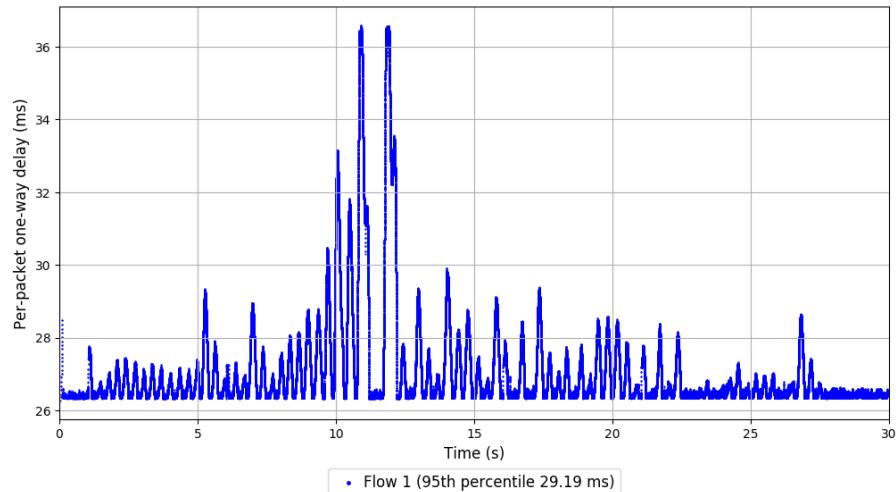
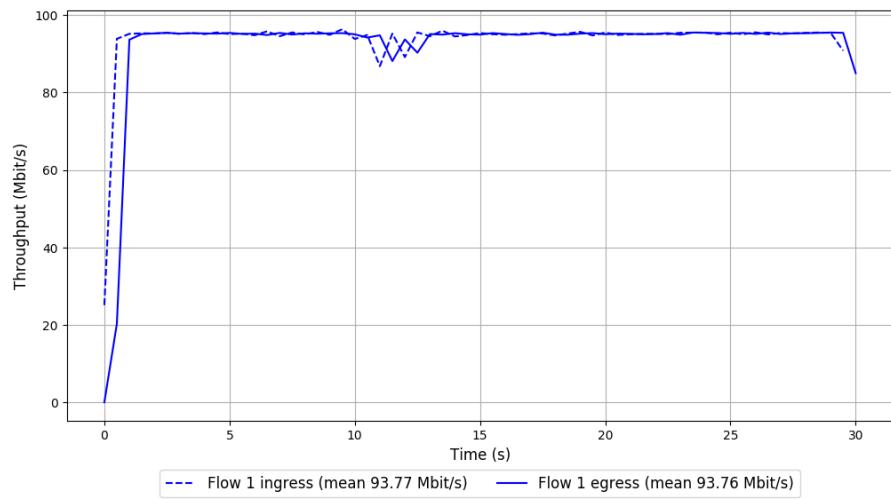


Run 7: Statistics of Copa

```
Start at: 2018-05-25 03:47:27
End at: 2018-05-25 03:47:57
Local clock offset: 0.042 ms
Remote clock offset: 2.106 ms

# Below is generated by plot.py at 2018-05-25 04:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 29.190 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 29.190 ms
Loss rate: 0.19%
```

Run 7: Report of Copa — Data Link

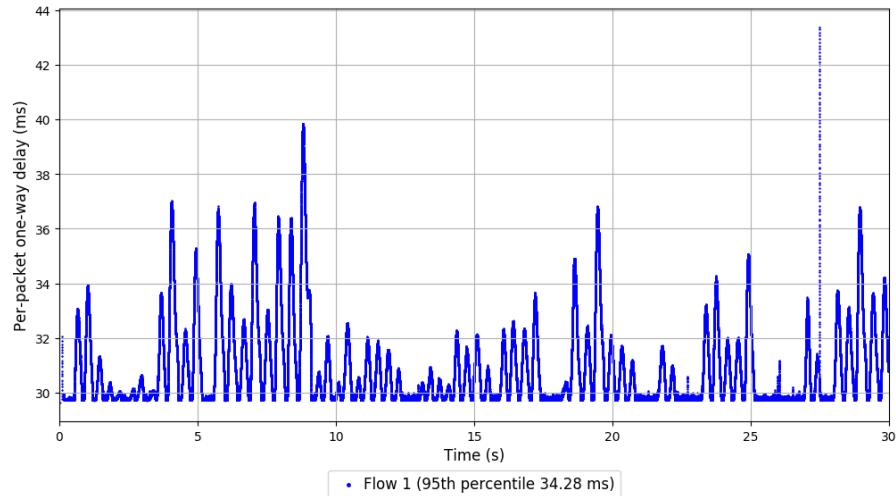
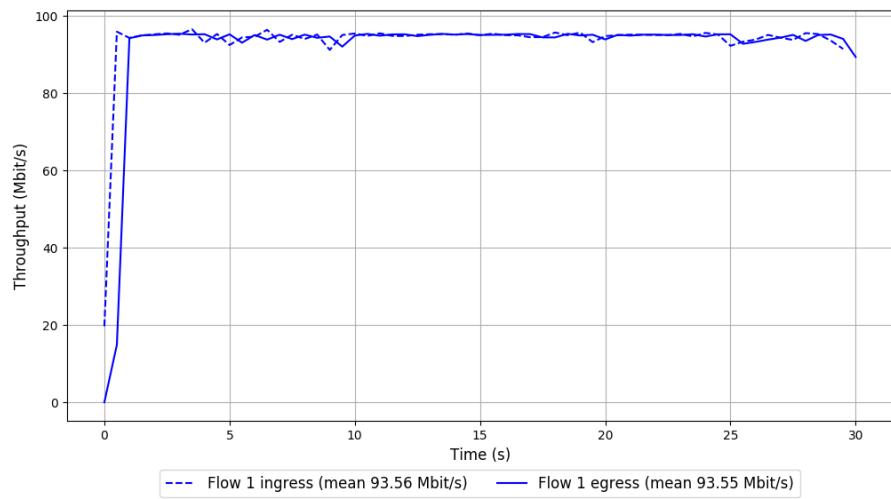


Run 8: Statistics of Copa

```
Start at: 2018-05-25 04:08:27
End at: 2018-05-25 04:08:57
Local clock offset: 0.446 ms
Remote clock offset: 2.228 ms

# Below is generated by plot.py at 2018-05-25 04:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 34.277 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 34.277 ms
Loss rate: 0.15%
```

Run 8: Report of Copa — Data Link

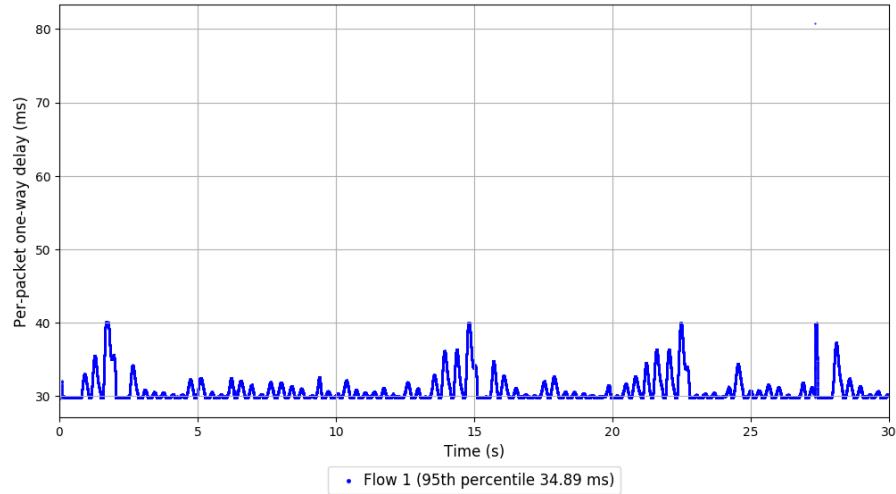
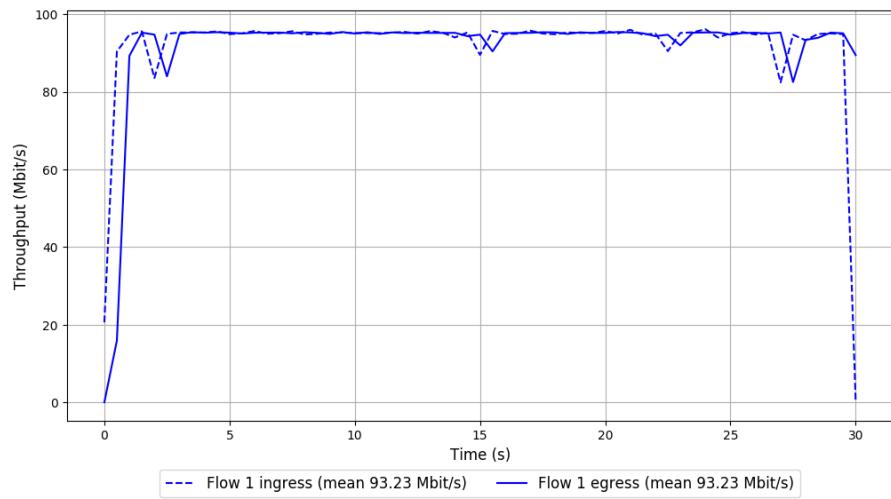


Run 9: Statistics of Copa

```
Start at: 2018-05-25 04:29:16
End at: 2018-05-25 04:29:46
Local clock offset: 0.357 ms
Remote clock offset: 2.529 ms

# Below is generated by plot.py at 2018-05-25 04:59:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 34.888 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 34.888 ms
Loss rate: 0.21%
```

Run 9: Report of Copa — Data Link

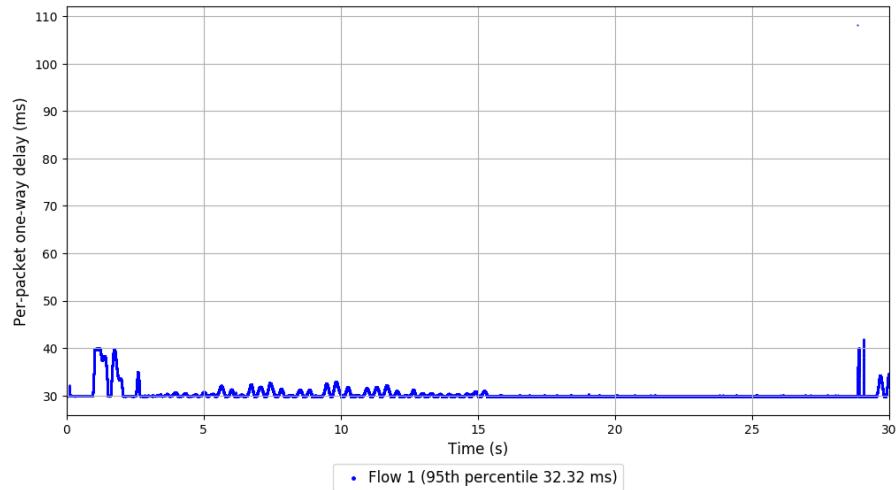
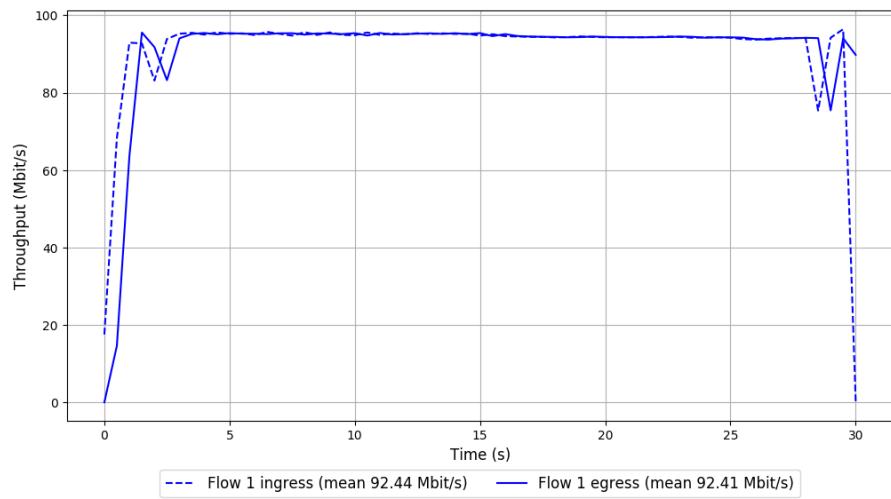


Run 10: Statistics of Copa

```
Start at: 2018-05-25 04:50:05
End at: 2018-05-25 04:50:35
Local clock offset: -0.119 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 32.317 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 32.317 ms
Loss rate: 0.23%
```

Run 10: Report of Copa — Data Link

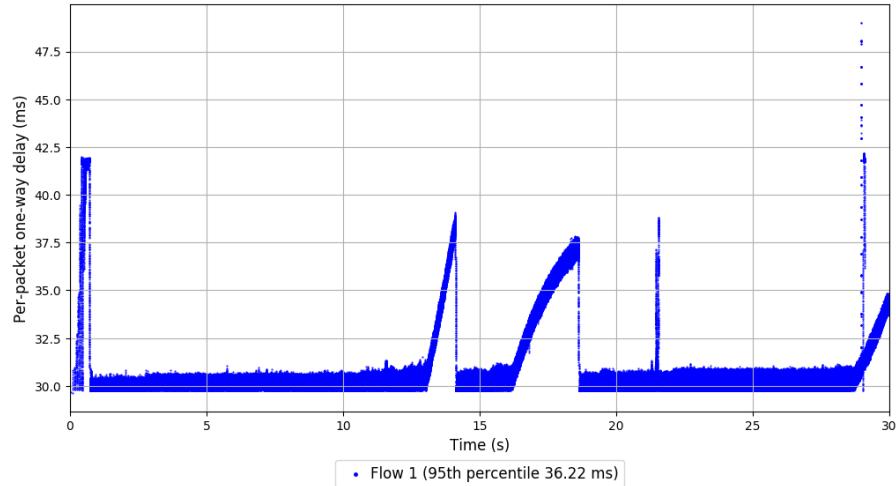
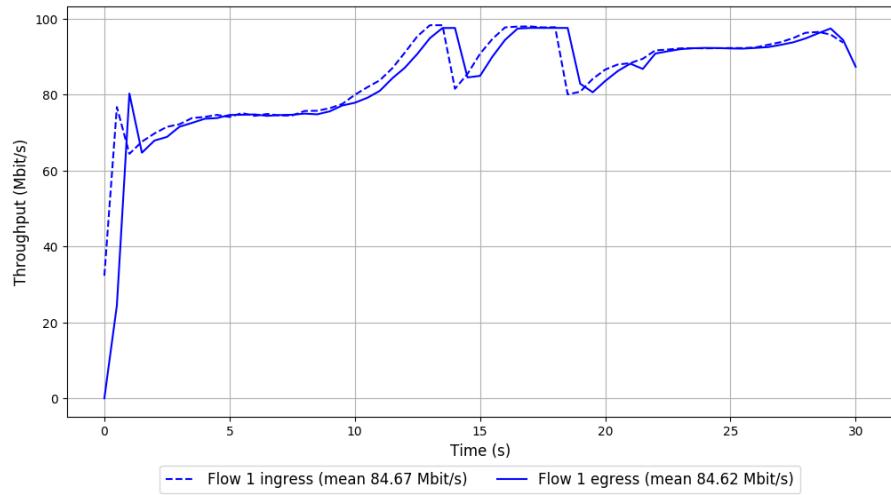


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-25 01:24:23
End at: 2018-05-25 01:24:53
Local clock offset: 0.858 ms
Remote clock offset: 2.926 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 36.220 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 36.220 ms
Loss rate: 0.25%
```

Run 1: Report of TCP Cubic — Data Link

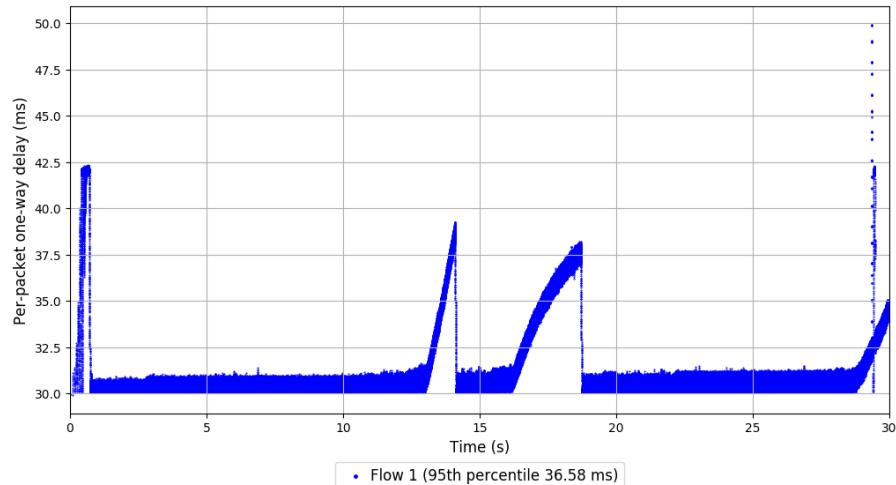
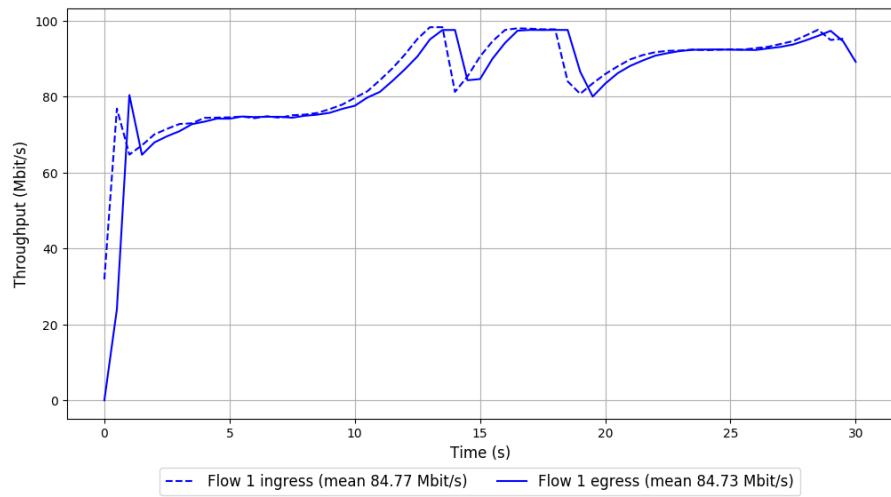


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-25 01:45:06
End at: 2018-05-25 01:45:36
Local clock offset: 0.499 ms
Remote clock offset: 3.119 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 36.576 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 36.576 ms
Loss rate: 0.25%
```

Run 2: Report of TCP Cubic — Data Link

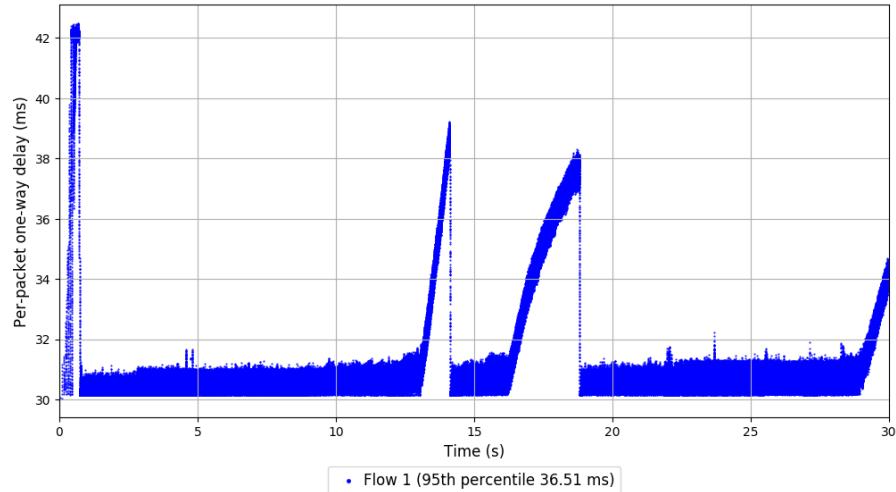
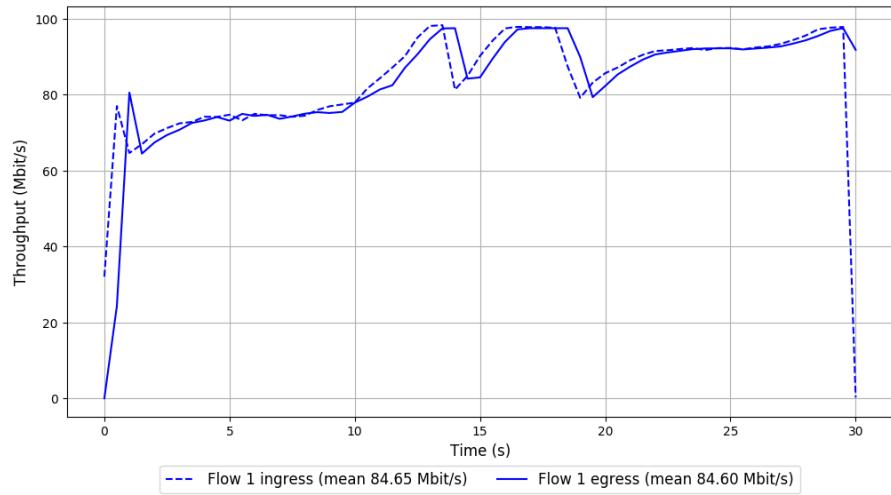


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-05-25 02:05:53
End at: 2018-05-25 02:06:23
Local clock offset: 0.353 ms
Remote clock offset: 3.713 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 36.506 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 36.506 ms
Loss rate: 0.25%
```

Run 3: Report of TCP Cubic — Data Link

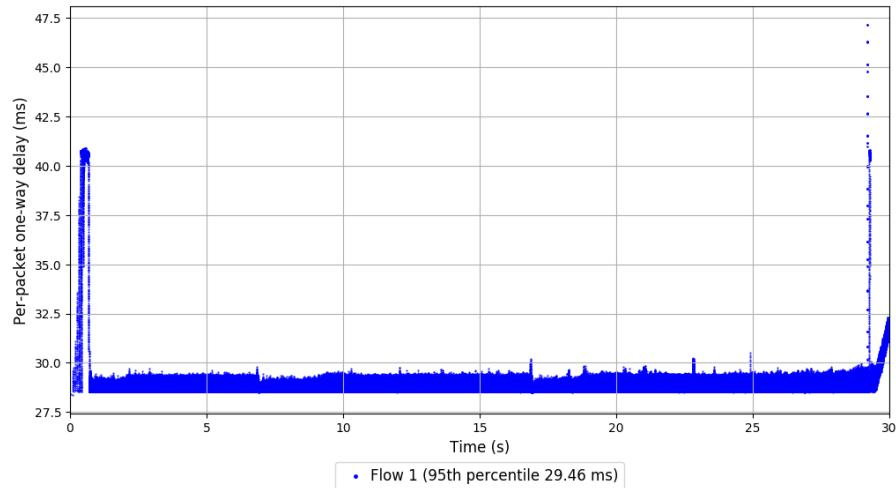
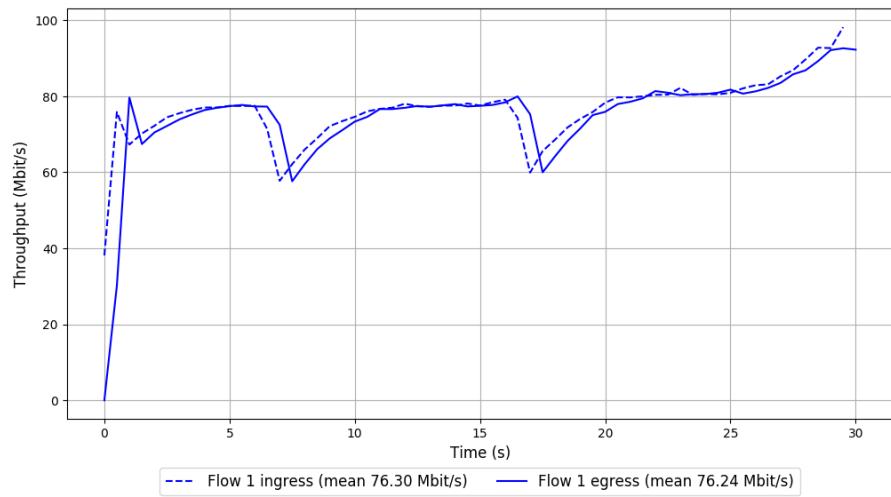


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-25 02:26:39
End at: 2018-05-25 02:27:09
Local clock offset: 0.346 ms
Remote clock offset: 1.39 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 29.458 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 29.458 ms
Loss rate: 0.26%
```

Run 4: Report of TCP Cubic — Data Link

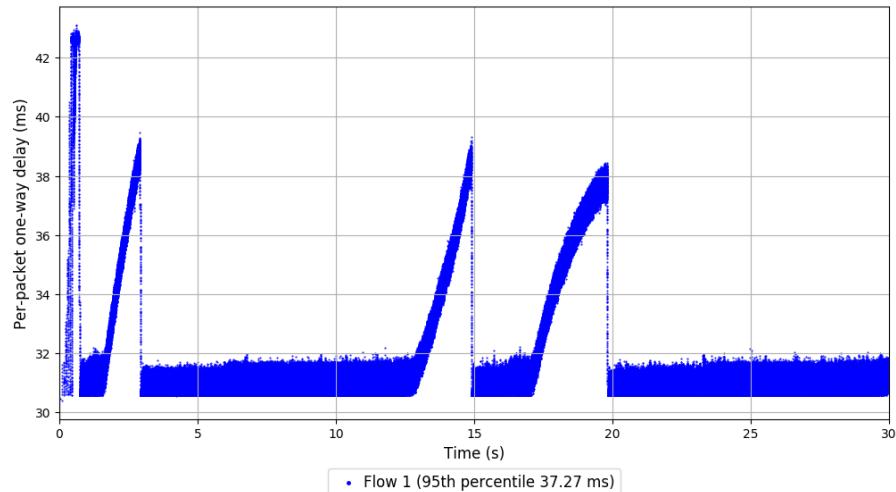
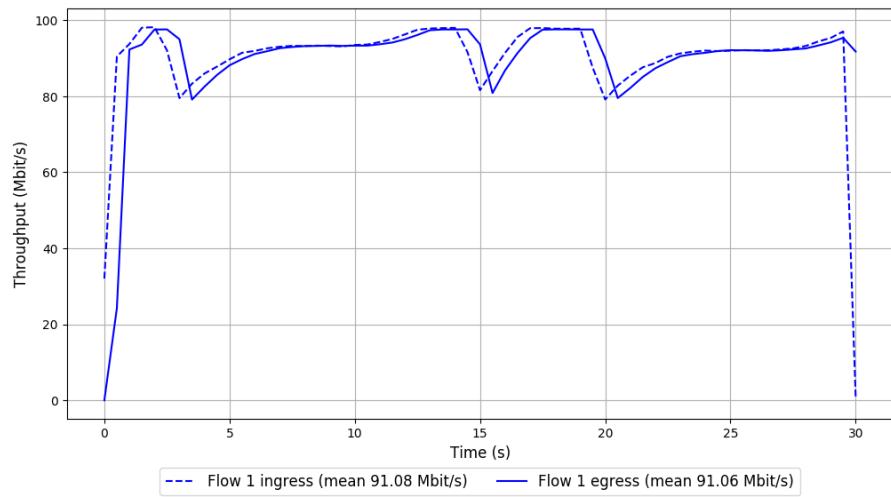


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-25 02:47:26
End at: 2018-05-25 02:47:56
Local clock offset: 0.141 ms
Remote clock offset: 3.242 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 37.274 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 37.274 ms
Loss rate: 0.22%
```

Run 5: Report of TCP Cubic — Data Link

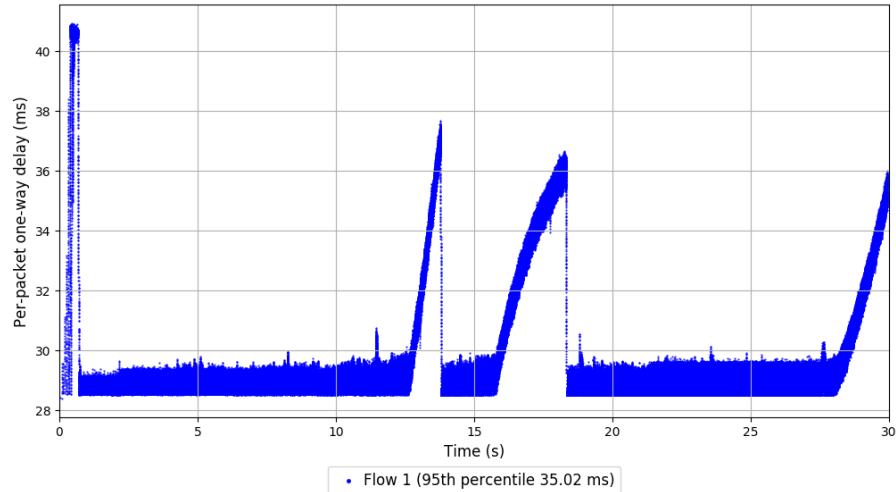
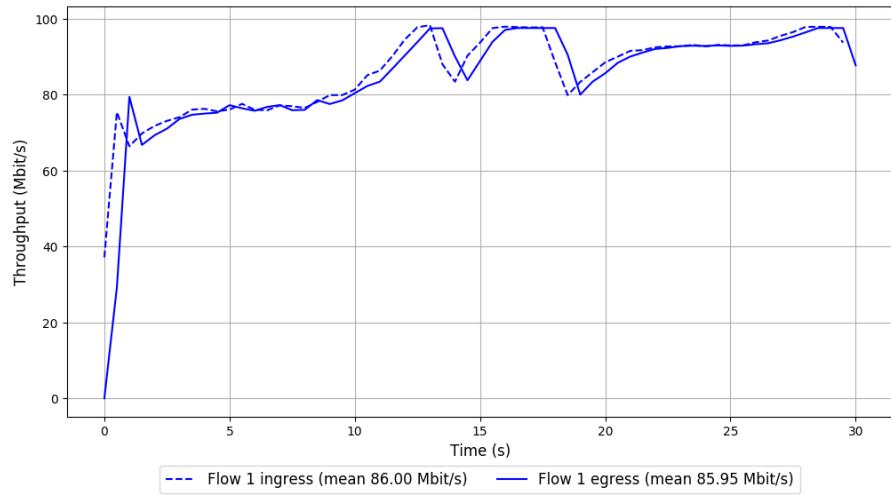


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-25 03:08:17
End at: 2018-05-25 03:08:47
Local clock offset: 0.07 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 35.017 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 35.017 ms
Loss rate: 0.25%
```

Run 6: Report of TCP Cubic — Data Link

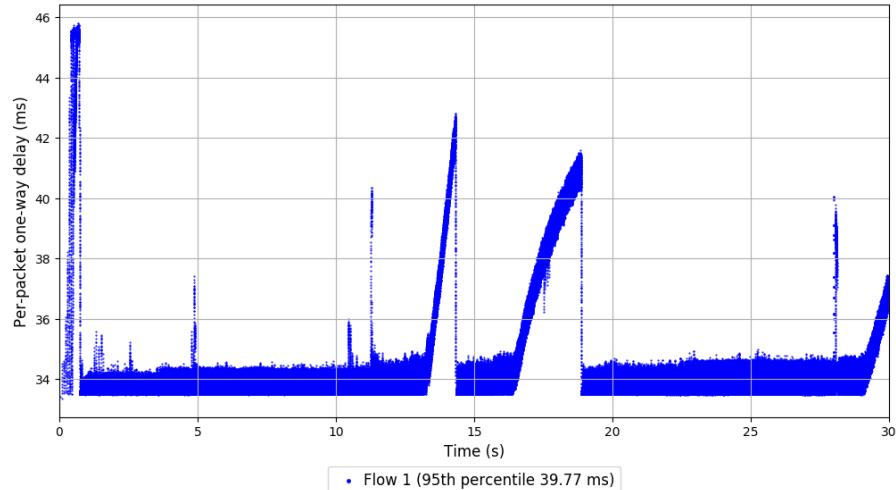
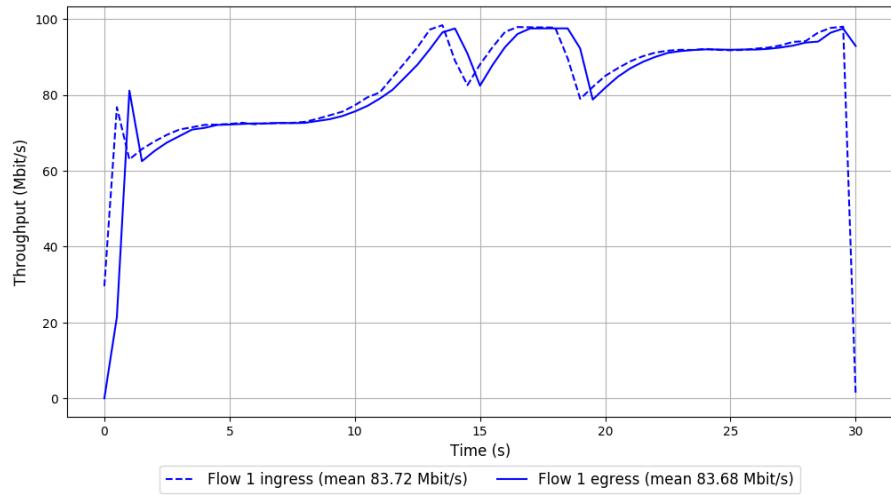


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-25 03:29:21
End at: 2018-05-25 03:29:52
Local clock offset: 0.143 ms
Remote clock offset: -0.489 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.68 Mbit/s
95th percentile per-packet one-way delay: 39.772 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 83.68 Mbit/s
95th percentile per-packet one-way delay: 39.772 ms
Loss rate: 0.25%
```

Run 7: Report of TCP Cubic — Data Link

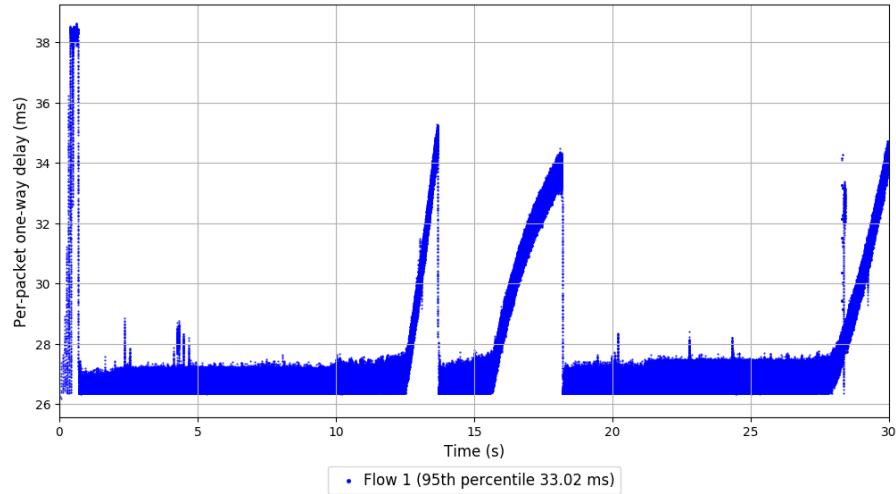
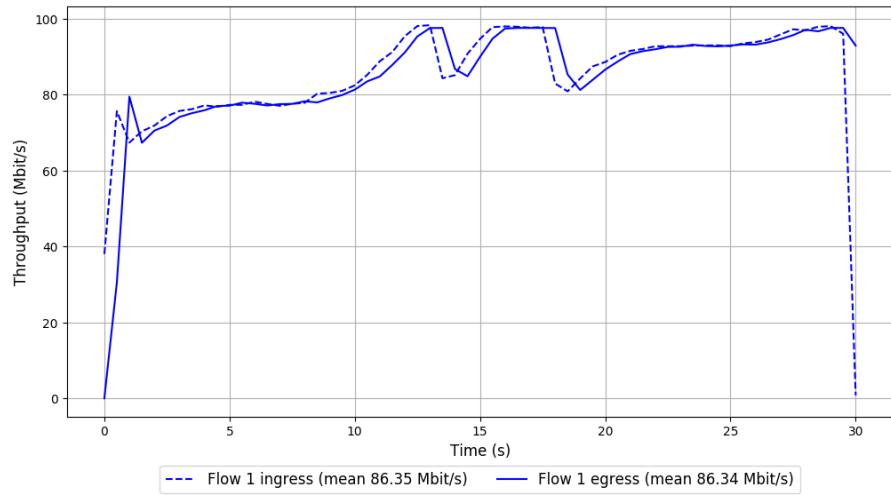


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-25 03:50:04
End at: 2018-05-25 03:50:34
Local clock offset: -0.038 ms
Remote clock offset: 2.125 ms

# Below is generated by plot.py at 2018-05-25 04:59:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 33.016 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 33.016 ms
Loss rate: 0.20%
```

Run 8: Report of TCP Cubic — Data Link

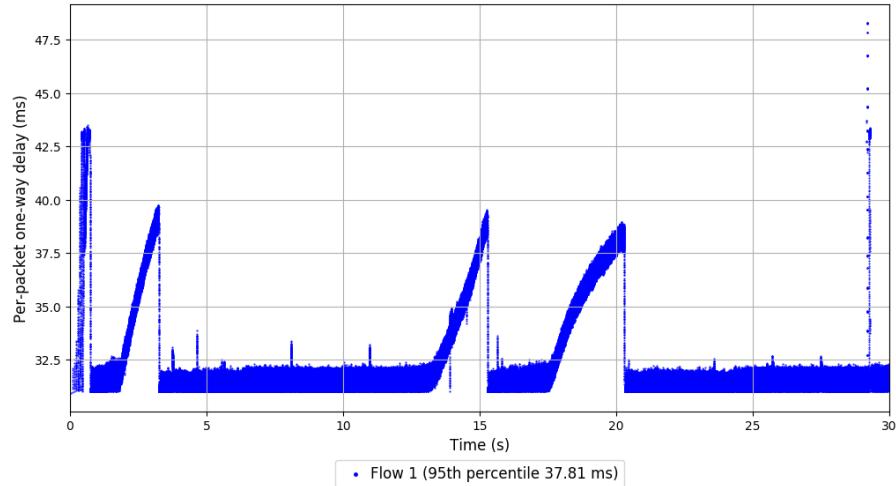
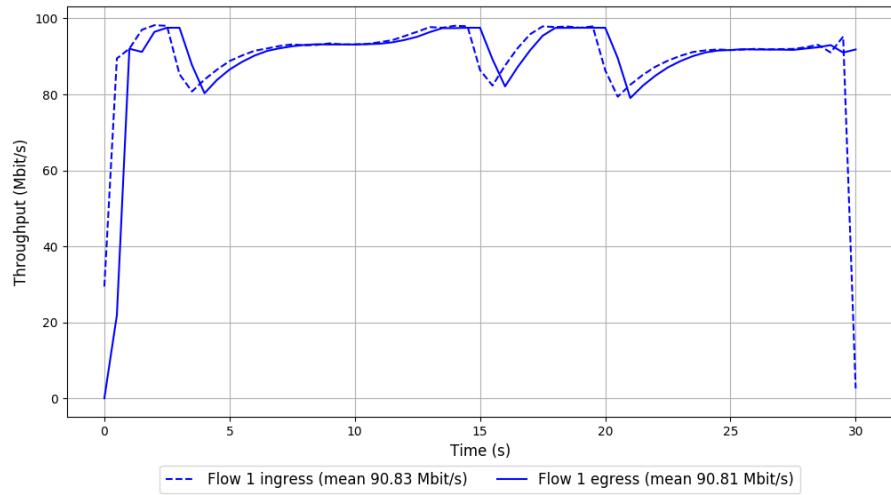


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-25 04:11:04
End at: 2018-05-25 04:11:34
Local clock offset: 0.591 ms
Remote clock offset: 2.725 ms

# Below is generated by plot.py at 2018-05-25 04:59:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 37.812 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 37.812 ms
Loss rate: 0.22%
```

Run 9: Report of TCP Cubic — Data Link

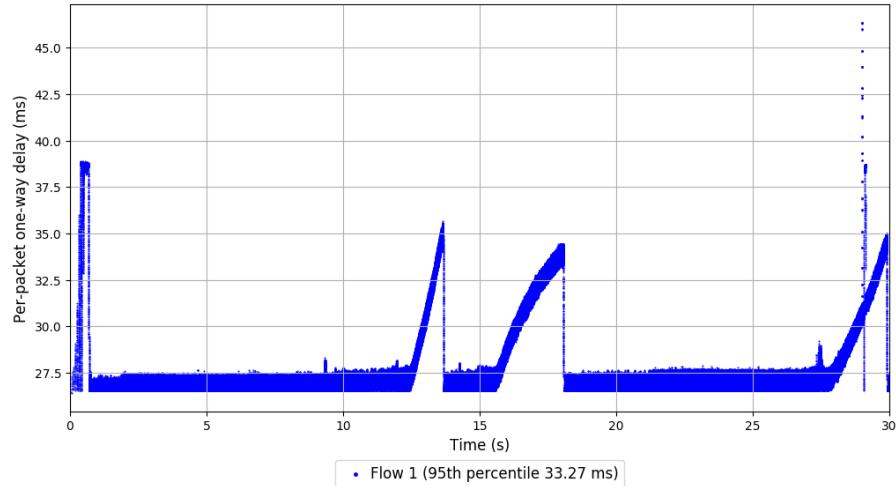
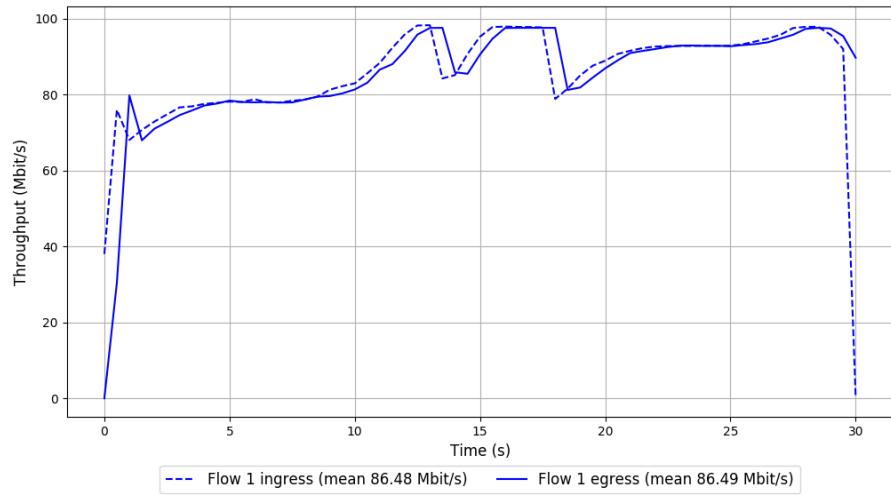


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-05-25 04:31:53
End at: 2018-05-25 04:32:23
Local clock offset: 0.29 ms
Remote clock offset: 2.434 ms

# Below is generated by plot.py at 2018-05-25 04:59:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 33.265 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 33.265 ms
Loss rate: 0.17%
```

Run 10: Report of TCP Cubic — Data Link

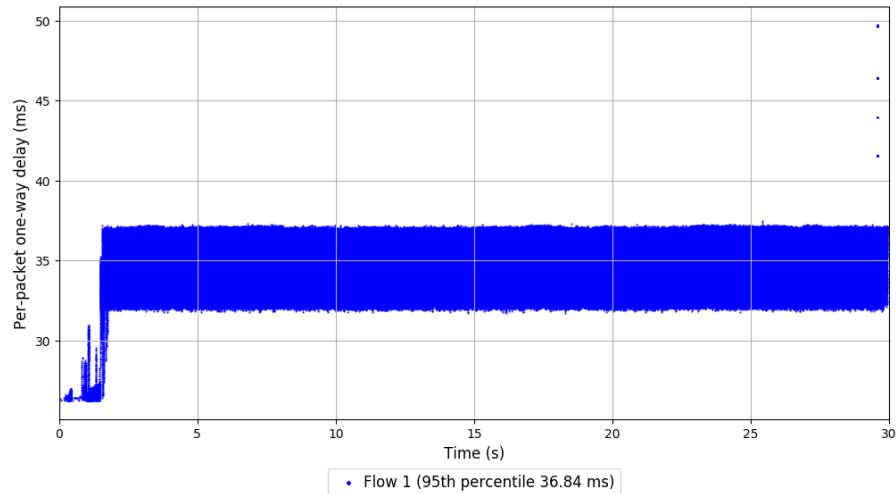
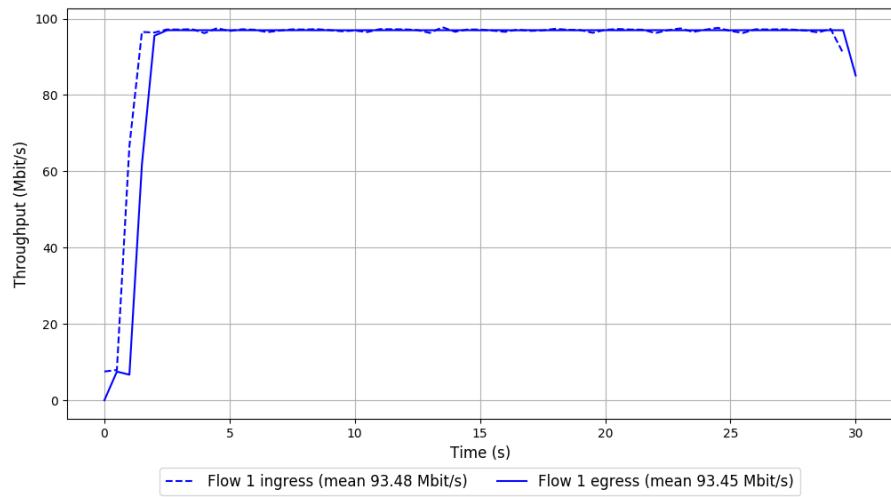


```
Run 1: Statistics of FillP

Start at: 2018-05-25 01:32:08
End at: 2018-05-25 01:32:38
Local clock offset: 0.644 ms
Remote clock offset: 3.023 ms

# Below is generated by plot.py at 2018-05-25 05:00:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 36.835 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 36.835 ms
Loss rate: 0.23%
```

Run 1: Report of FillP — Data Link

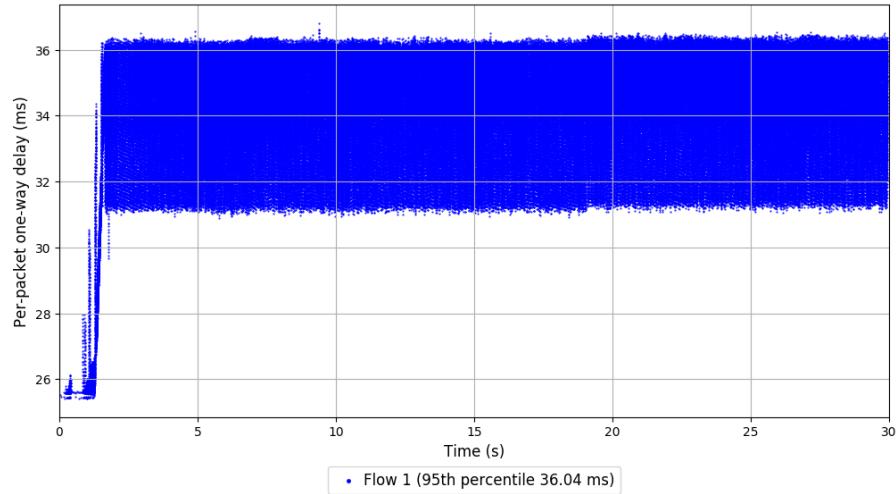
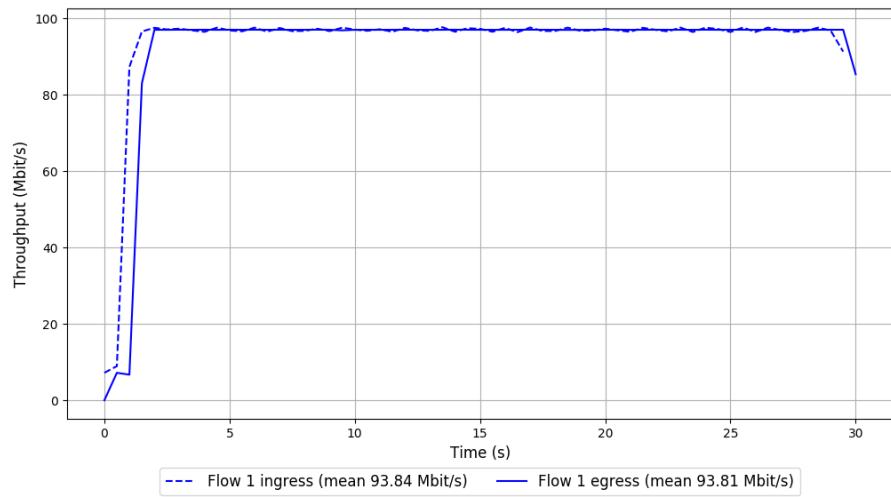


Run 2: Statistics of FillP

```
Start at: 2018-05-25 01:52:52
End at: 2018-05-25 01:53:22
Local clock offset: 0.415 ms
Remote clock offset: 3.175 ms

# Below is generated by plot.py at 2018-05-25 05:00:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 36.040 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 36.040 ms
Loss rate: 0.22%
```

Run 2: Report of FillP — Data Link

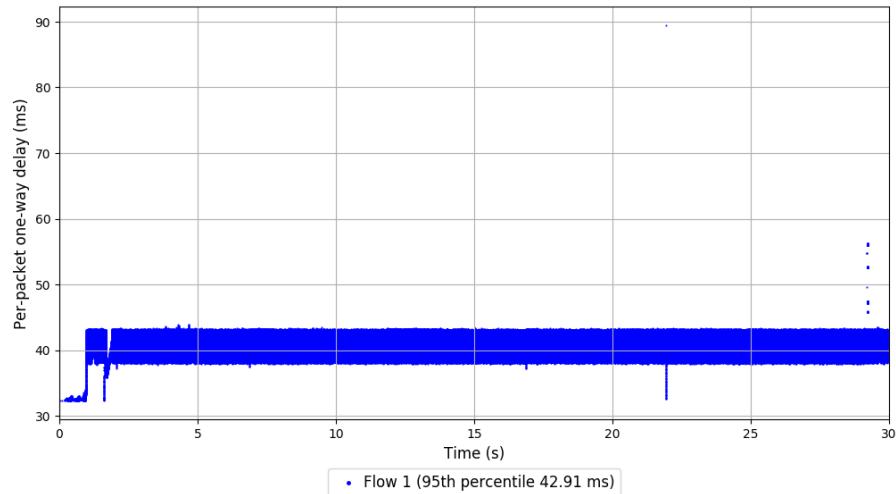
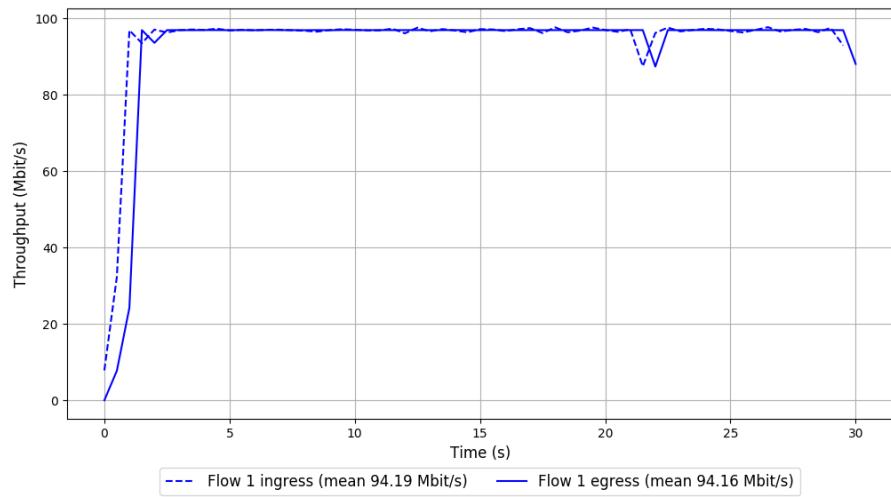


```
Run 3: Statistics of FillP
```

```
Start at: 2018-05-25 02:13:40
End at: 2018-05-25 02:14:10
Local clock offset: 0.265 ms
Remote clock offset: 1.439 ms

# Below is generated by plot.py at 2018-05-25 05:00:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 42.911 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 42.911 ms
Loss rate: 0.23%
```

Run 3: Report of FillP — Data Link

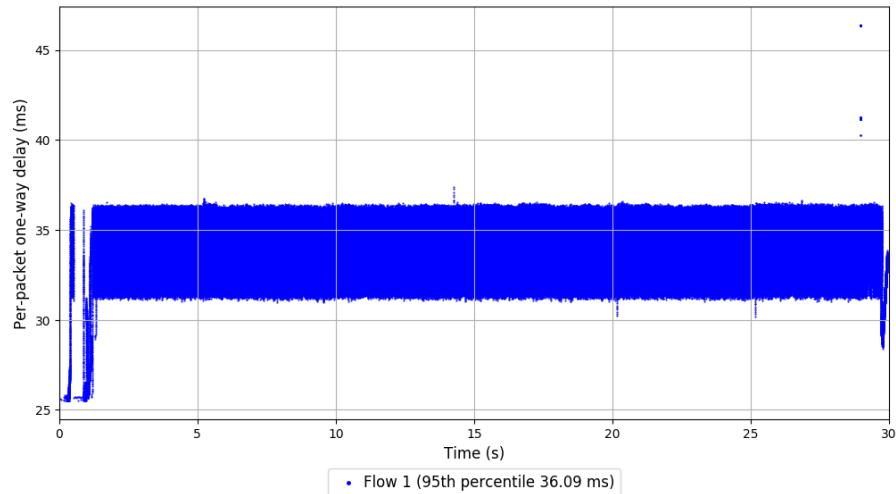
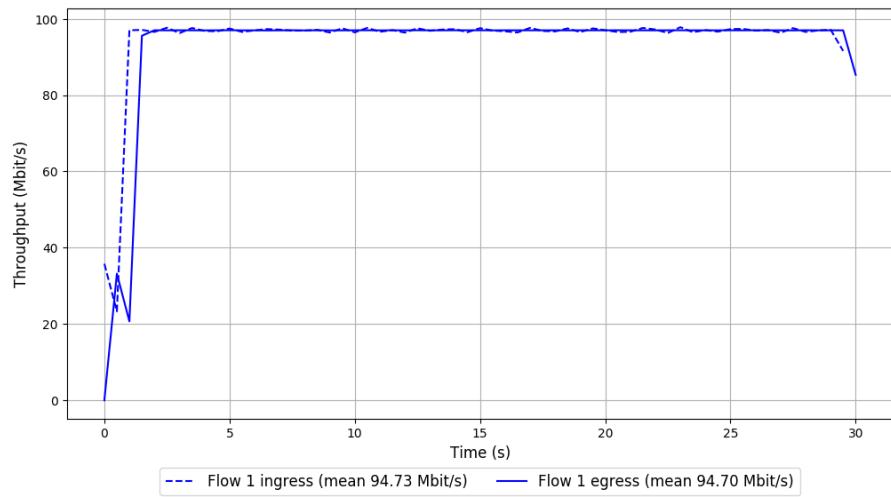


Run 4: Statistics of FillP

```
Start at: 2018-05-25 02:34:26
End at: 2018-05-25 02:34:56
Local clock offset: 0.135 ms
Remote clock offset: 3.291 ms

# Below is generated by plot.py at 2018-05-25 05:00:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 36.089 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 36.089 ms
Loss rate: 0.22%
```

Run 4: Report of FillP — Data Link

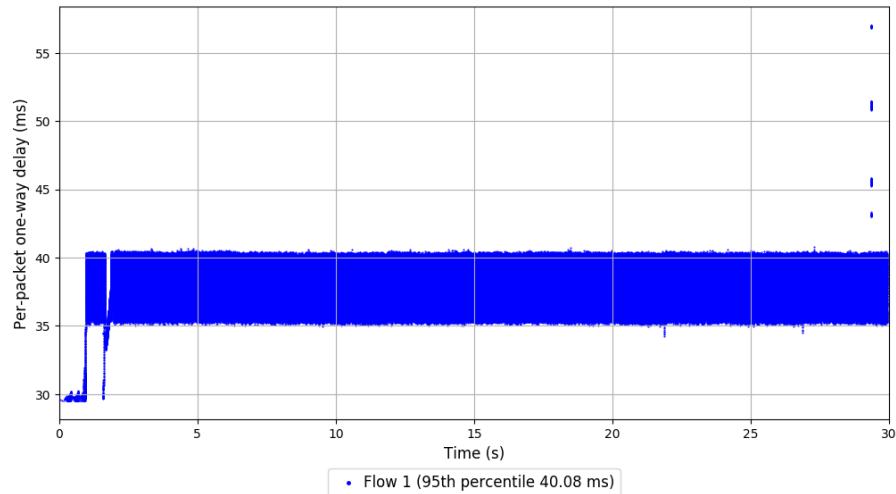
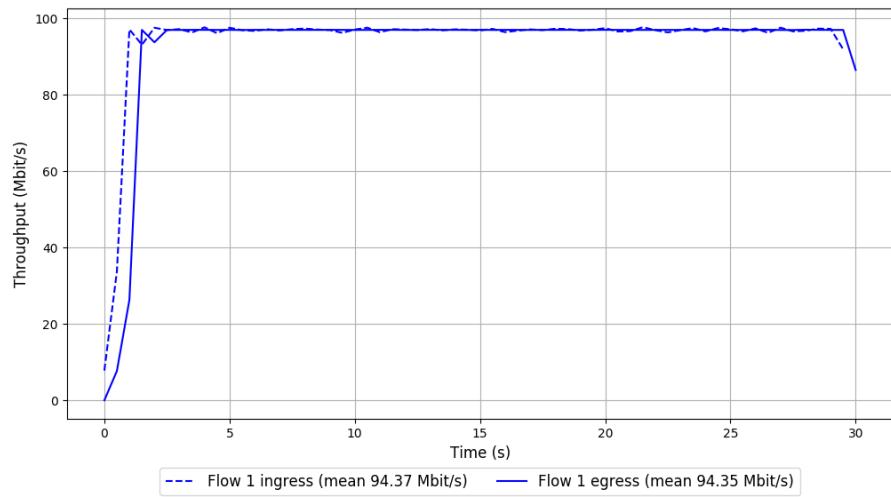


Run 5: Statistics of FillP

```
Start at: 2018-05-25 02:55:14
End at: 2018-05-25 02:55:44
Local clock offset: 0.055 ms
Remote clock offset: 3.468 ms

# Below is generated by plot.py at 2018-05-25 05:00:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 40.081 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 40.081 ms
Loss rate: 0.23%
```

Run 5: Report of FillP — Data Link

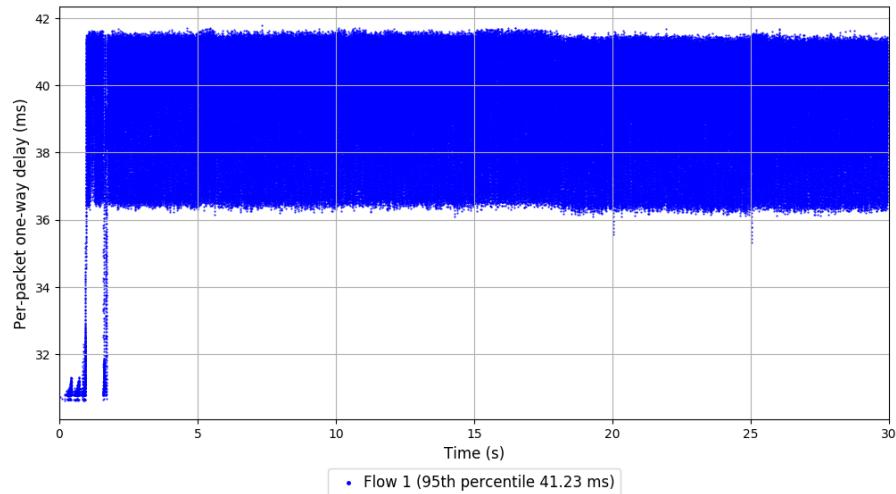
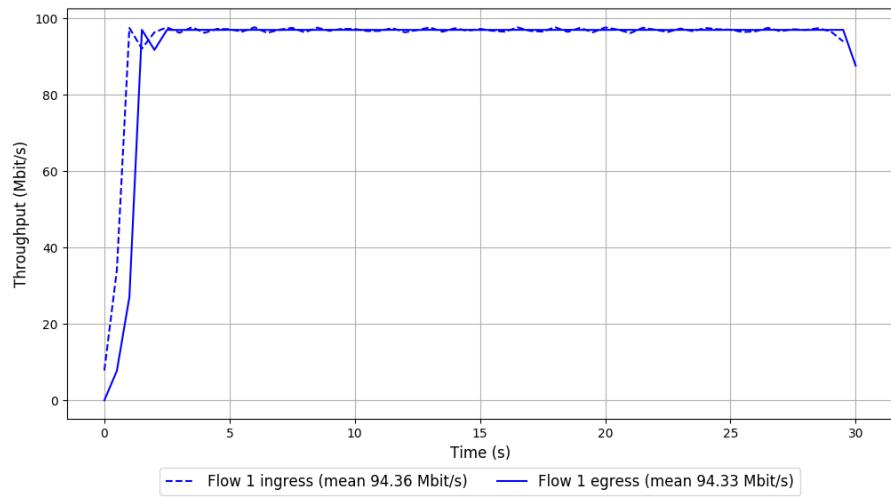


Run 6: Statistics of FillP

```
Start at: 2018-05-25 03:16:04
End at: 2018-05-25 03:16:34
Local clock offset: 0.167 ms
Remote clock offset: 1.901 ms

# Below is generated by plot.py at 2018-05-25 05:00:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 41.235 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 41.235 ms
Loss rate: 0.24%
```

Run 6: Report of FillP — Data Link

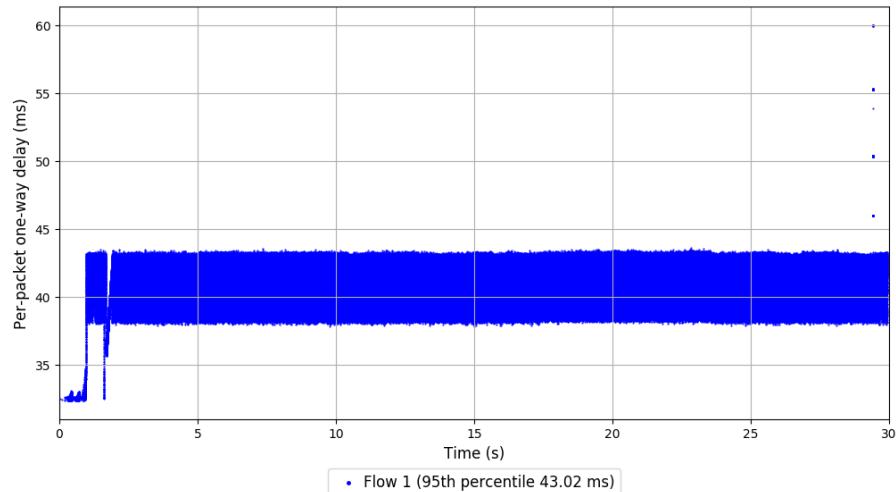
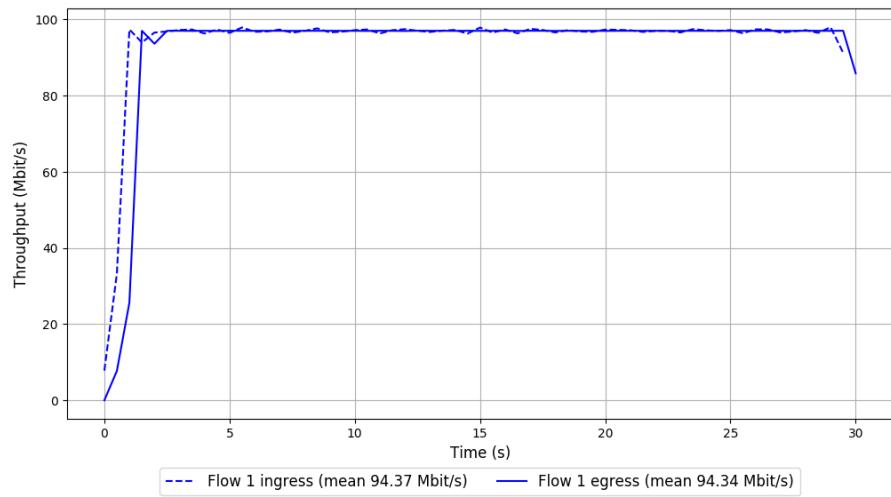


Run 7: Statistics of FillP

```
Start at: 2018-05-25 03:37:06
End at: 2018-05-25 03:37:36
Local clock offset: 0.001 ms
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2018-05-25 05:01:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 43.016 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 43.016 ms
Loss rate: 0.24%
```

Run 7: Report of FillP — Data Link

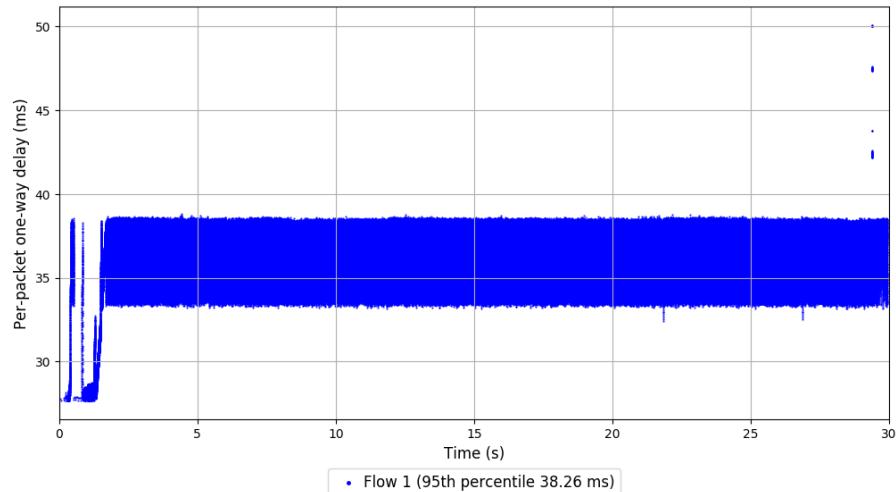
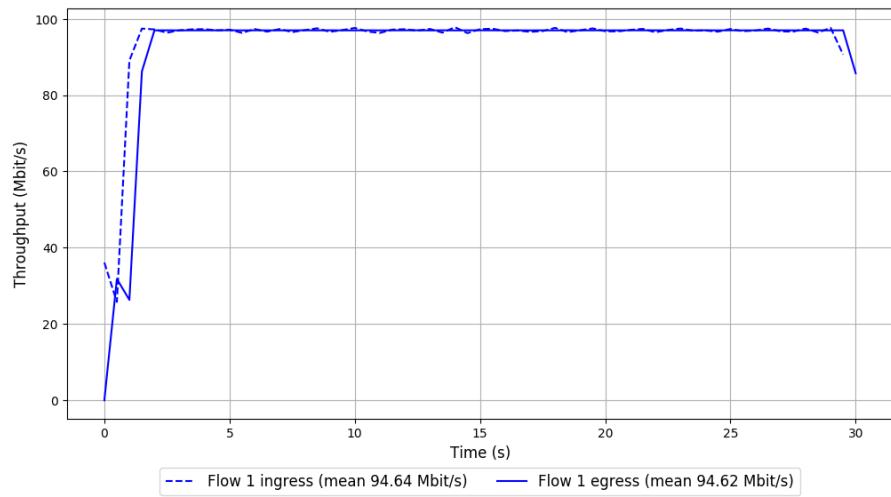


Run 8: Statistics of FillP

```
Start at: 2018-05-25 03:57:49
End at: 2018-05-25 03:58:19
Local clock offset: 0.172 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-05-25 05:01:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 38.256 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 38.256 ms
Loss rate: 0.21%
```

Run 8: Report of FillP — Data Link

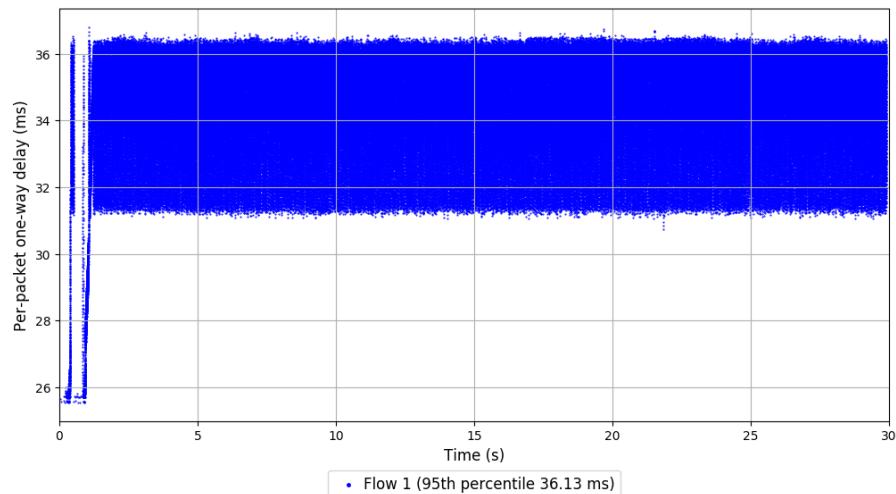
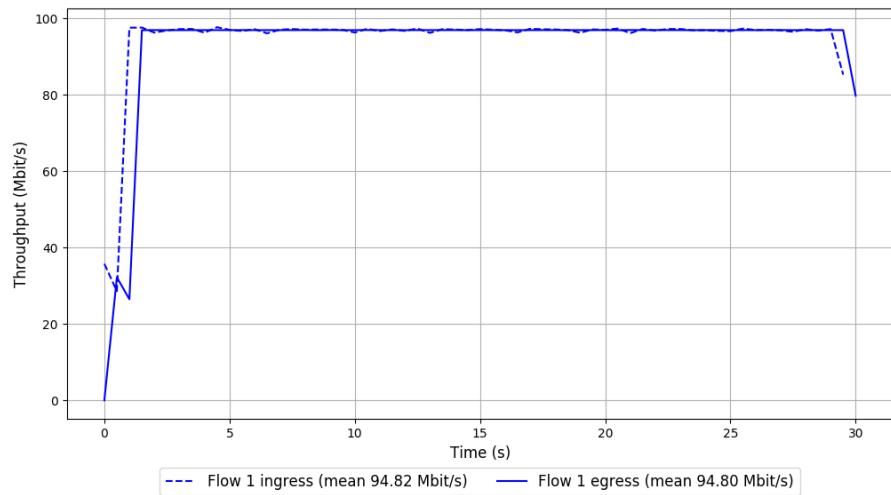


Run 9: Statistics of FillP

```
Start at: 2018-05-25 04:18:50
End at: 2018-05-25 04:19:20
Local clock offset: 0.676 ms
Remote clock offset: 2.497 ms

# Below is generated by plot.py at 2018-05-25 05:02:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 36.134 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 36.134 ms
Loss rate: 0.22%
```

Run 9: Report of FillP — Data Link

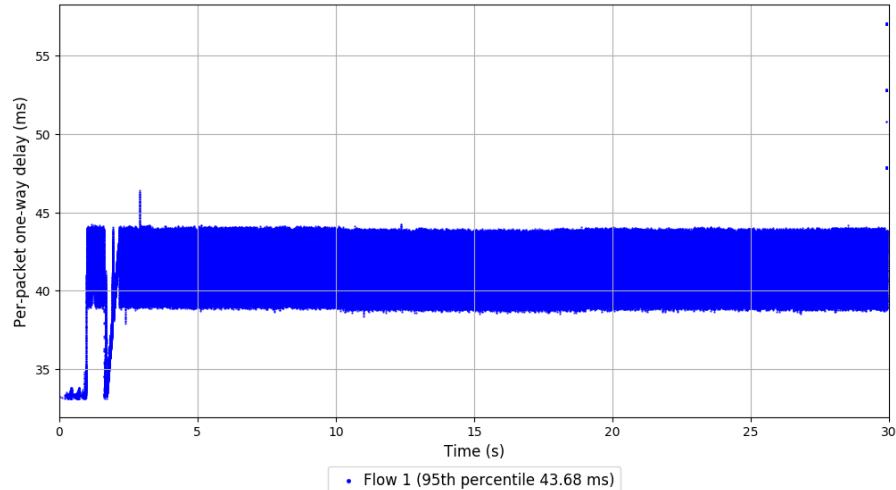
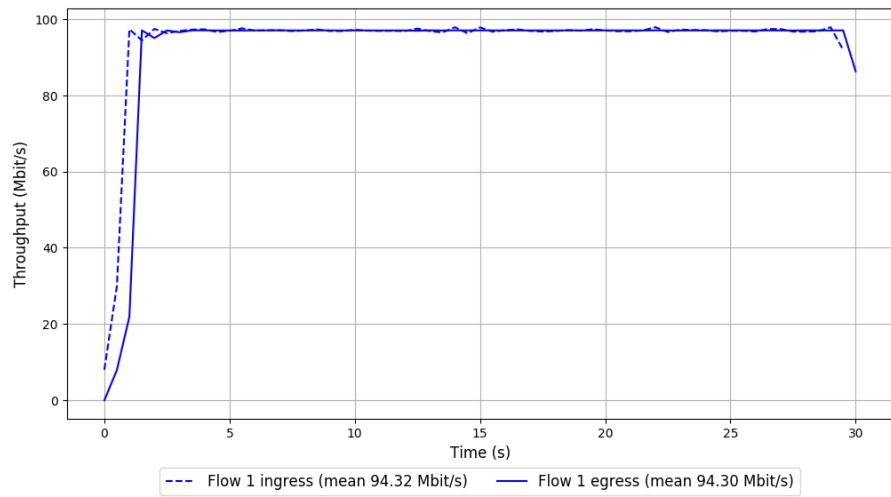


```
Run 10: Statistics of FillP
```

```
Start at: 2018-05-25 04:39:40
End at: 2018-05-25 04:40:10
Local clock offset: -0.056 ms
Remote clock offset: 0.377 ms

# Below is generated by plot.py at 2018-05-25 05:02:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 43.676 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 43.676 ms
Loss rate: 0.25%
```

Run 10: Report of FillP — Data Link

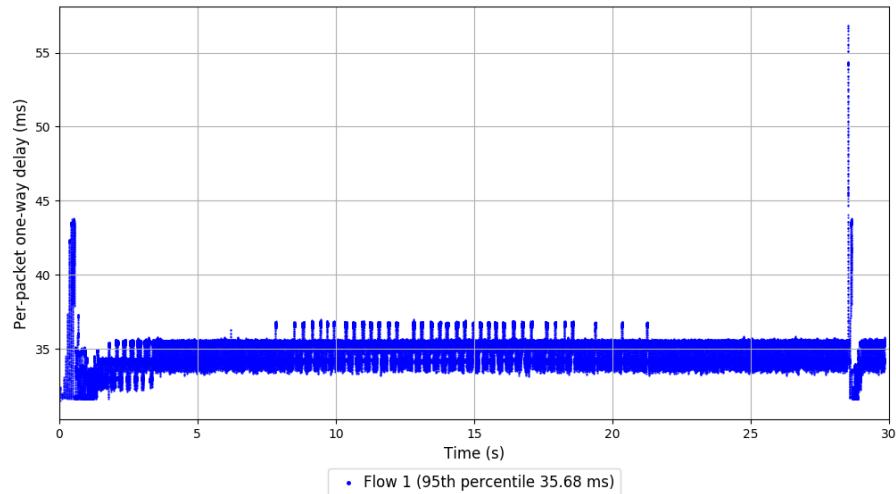
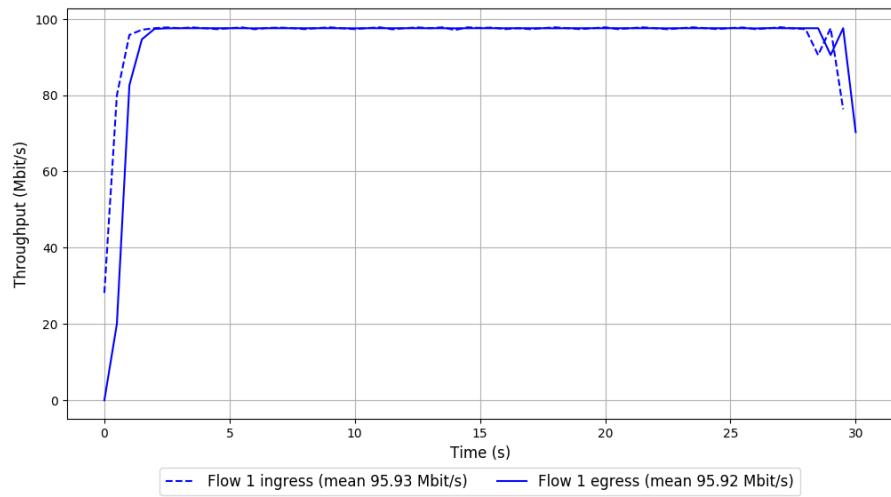


Run 1: Statistics of Indigo

```
Start at: 2018-05-25 01:33:25
End at: 2018-05-25 01:33:55
Local clock offset: 0.627 ms
Remote clock offset: 3.029 ms

# Below is generated by plot.py at 2018-05-25 05:02:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 35.683 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 35.683 ms
Loss rate: 0.22%
```

Run 1: Report of Indigo — Data Link

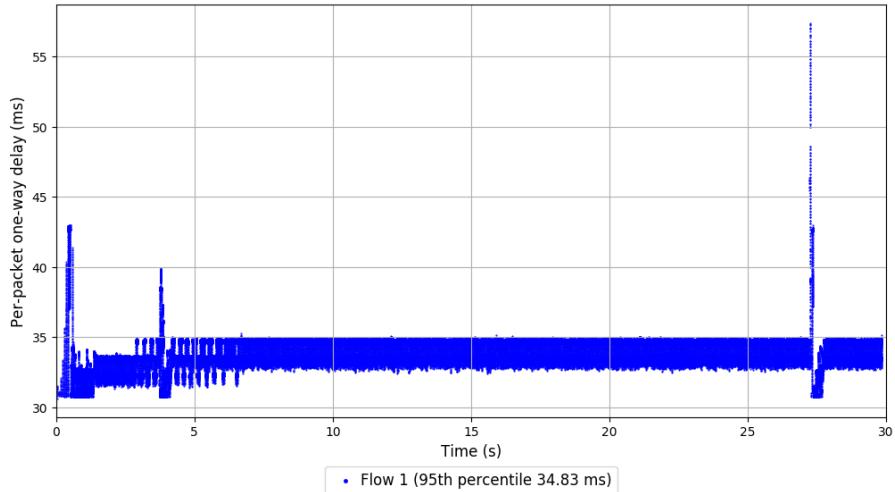
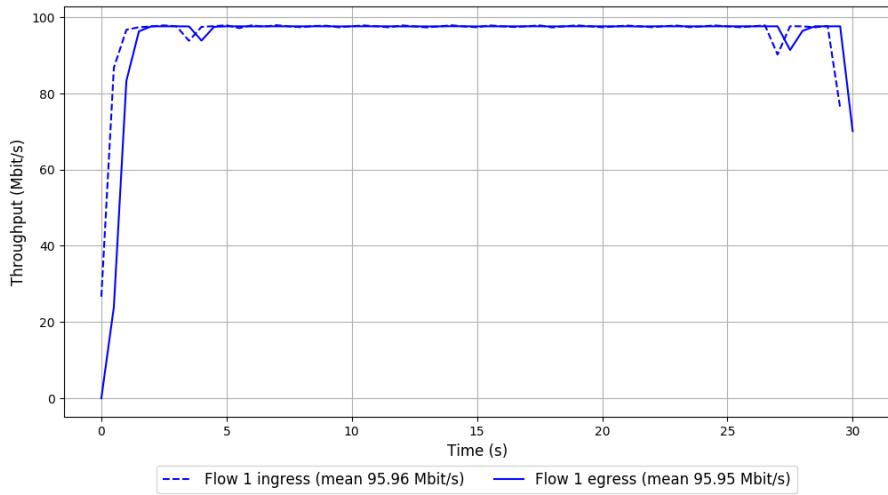


Run 2: Statistics of Indigo

```
Start at: 2018-05-25 01:54:11
End at: 2018-05-25 01:54:41
Local clock offset: 0.5 ms
Remote clock offset: 3.184 ms

# Below is generated by plot.py at 2018-05-25 05:02:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 34.832 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 34.832 ms
Loss rate: 0.22%
```

Run 2: Report of Indigo — Data Link

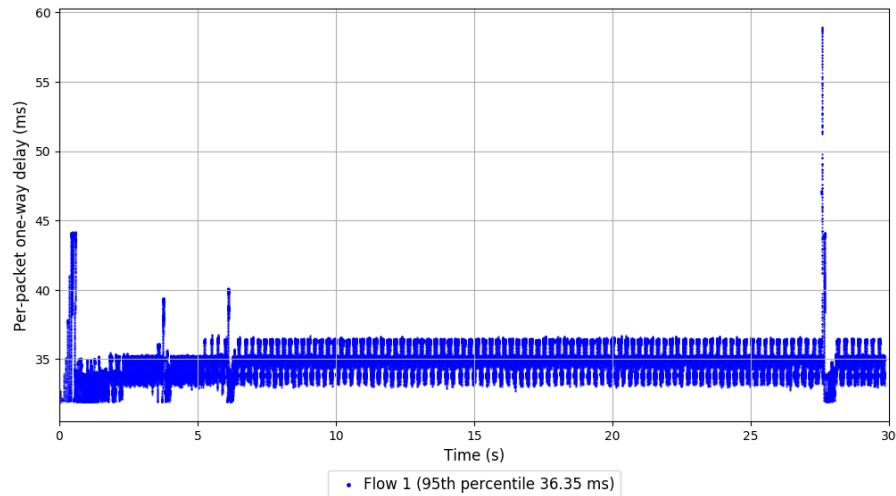
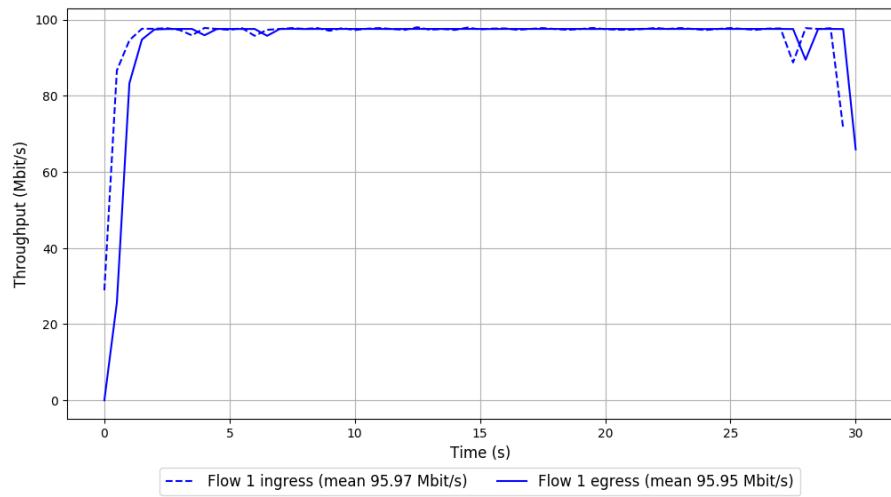


Run 3: Statistics of Indigo

```
Start at: 2018-05-25 02:14:58
End at: 2018-05-25 02:15:28
Local clock offset: 0.364 ms
Remote clock offset: 1.451 ms

# Below is generated by plot.py at 2018-05-25 05:02:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 36.354 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 36.354 ms
Loss rate: 0.22%
```

Run 3: Report of Indigo — Data Link

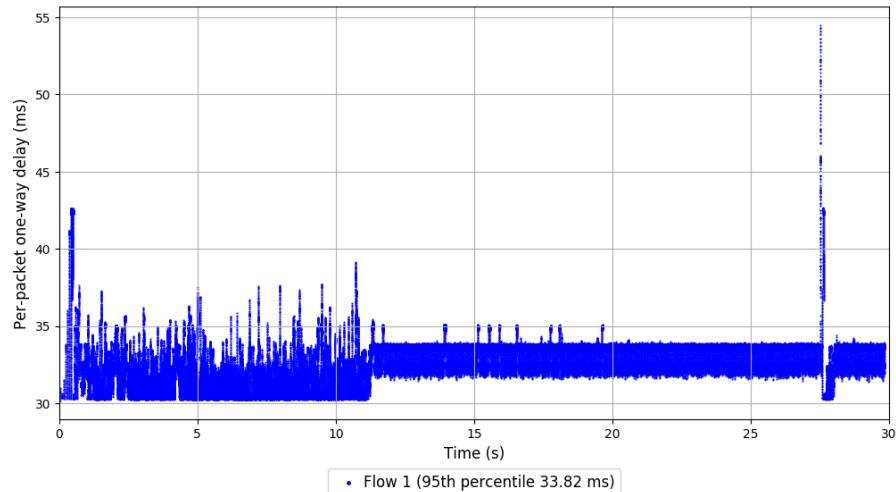
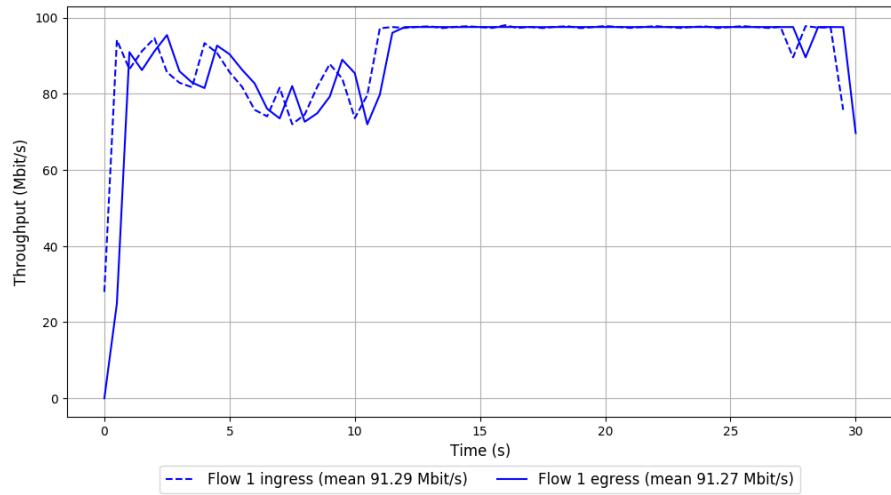


Run 4: Statistics of Indigo

```
Start at: 2018-05-25 02:35:44
End at: 2018-05-25 02:36:14
Local clock offset: 0.12 ms
Remote clock offset: 3.69 ms

# Below is generated by plot.py at 2018-05-25 05:02:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 33.824 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 33.824 ms
Loss rate: 0.23%
```

Run 4: Report of Indigo — Data Link

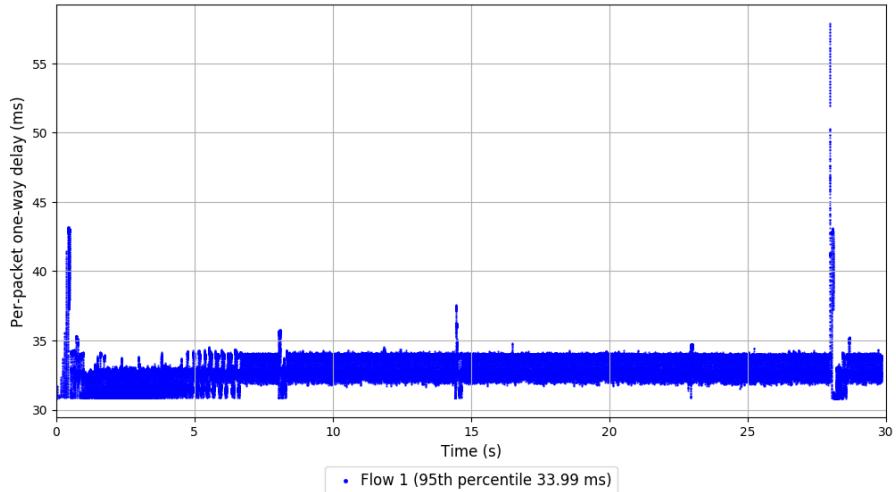
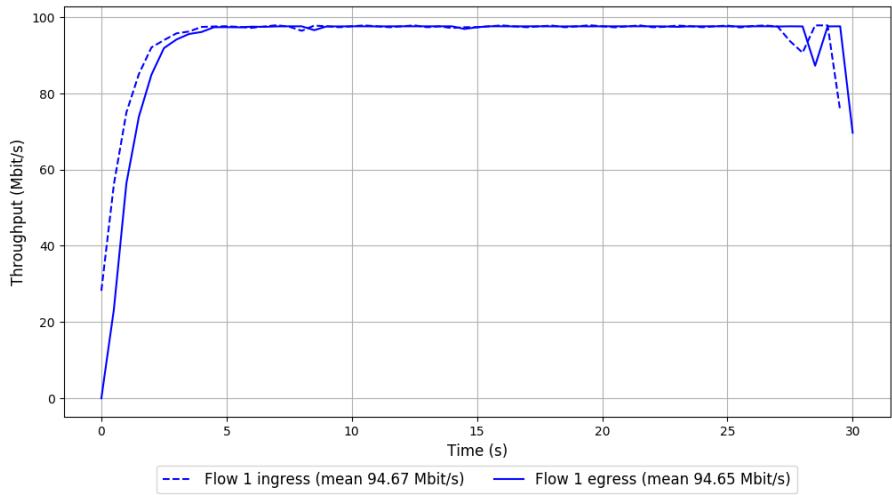


Run 5: Statistics of Indigo

```
Start at: 2018-05-25 02:56:32
End at: 2018-05-25 02:57:02
Local clock offset: 0.13 ms
Remote clock offset: 3.438 ms

# Below is generated by plot.py at 2018-05-25 05:02:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 33.995 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 33.995 ms
Loss rate: 0.22%
```

Run 5: Report of Indigo — Data Link

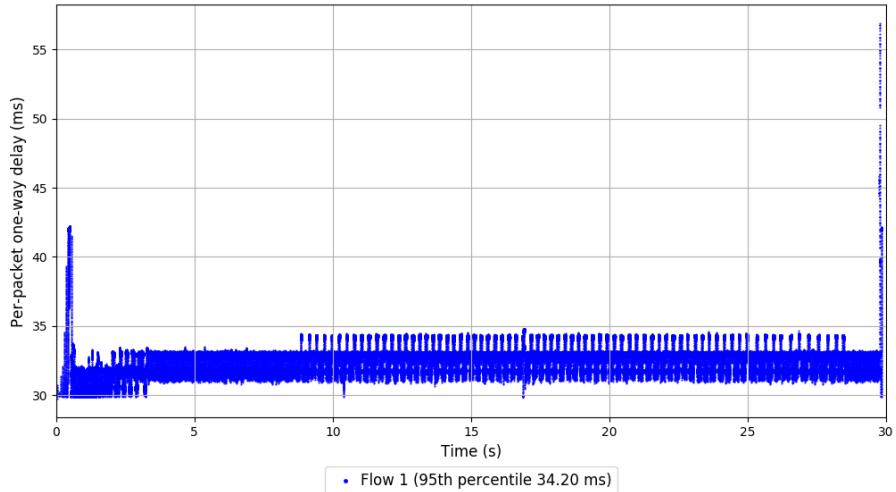
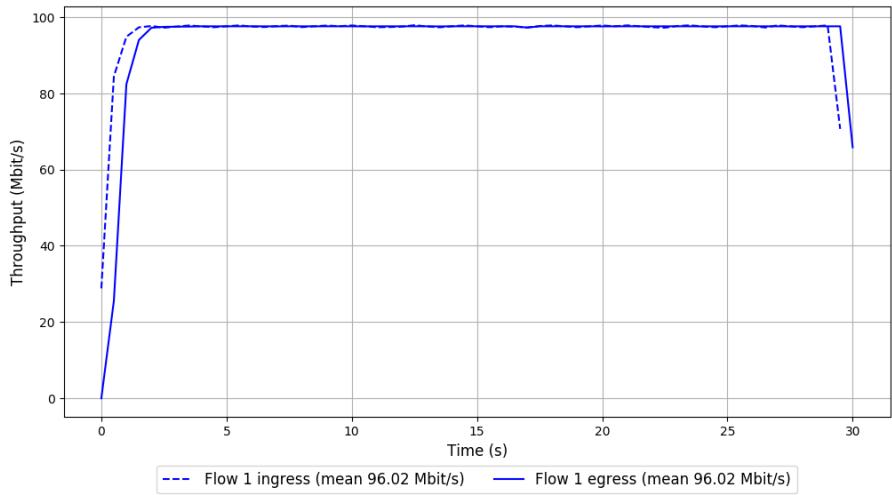


Run 6: Statistics of Indigo

```
Start at: 2018-05-25 03:17:23
End at: 2018-05-25 03:17:53
Local clock offset: 0.149 ms
Remote clock offset: 1.864 ms

# Below is generated by plot.py at 2018-05-25 05:02:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 34.198 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 34.198 ms
Loss rate: 0.20%
```

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-25 03:38:24

End at: 2018-05-25 03:38:54

Local clock offset: 0.073 ms

Remote clock offset: 1.868 ms

Below is generated by plot.py at 2018-05-25 05:03:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 36.035 ms

Loss rate: 0.22%

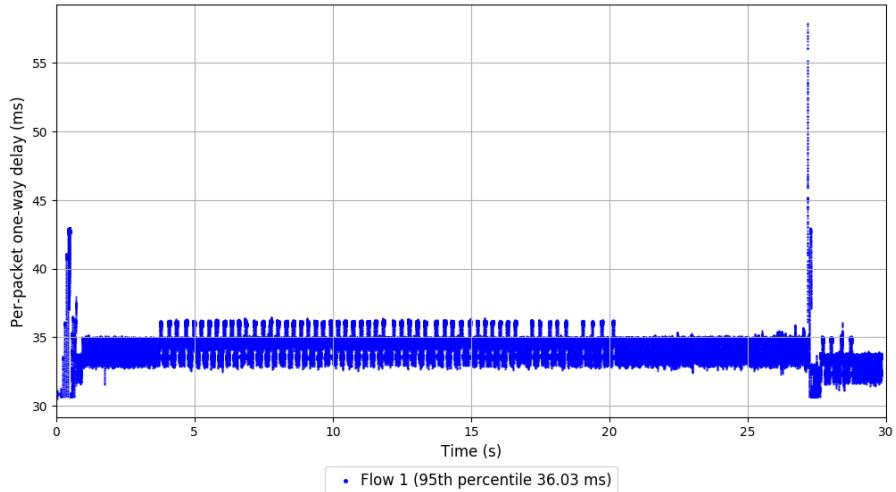
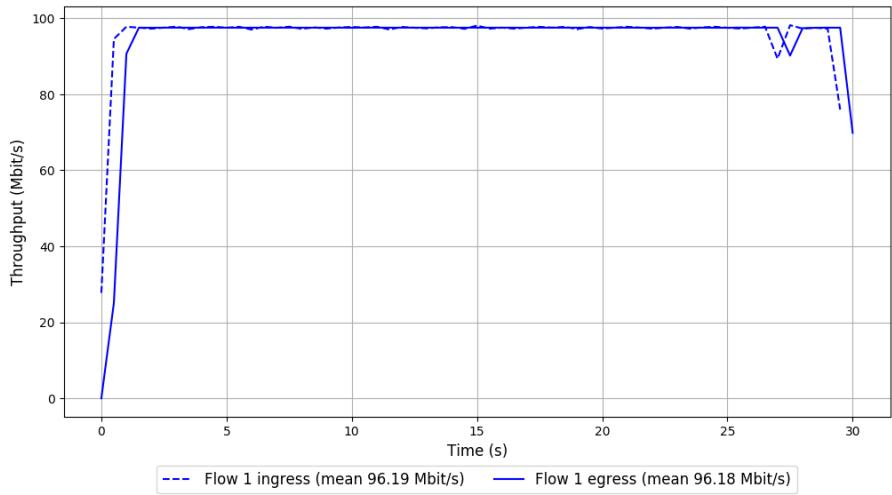
-- Flow 1:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 36.035 ms

Loss rate: 0.22%

Run 7: Report of Indigo — Data Link

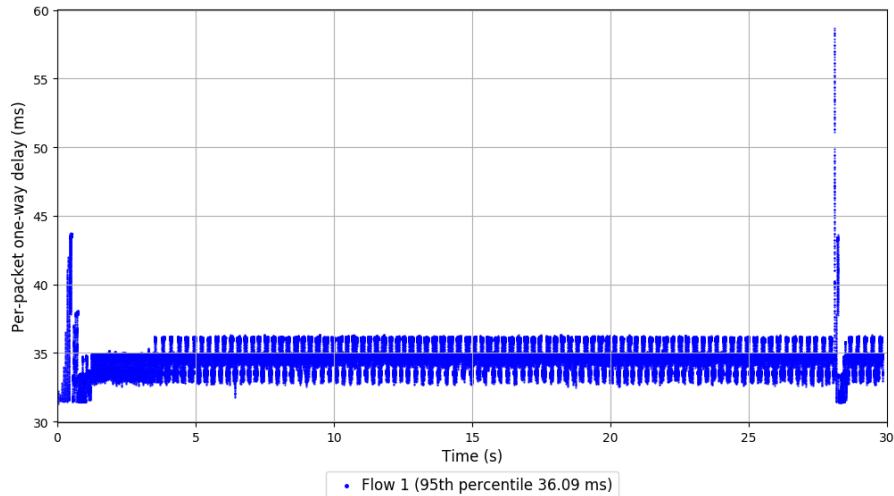
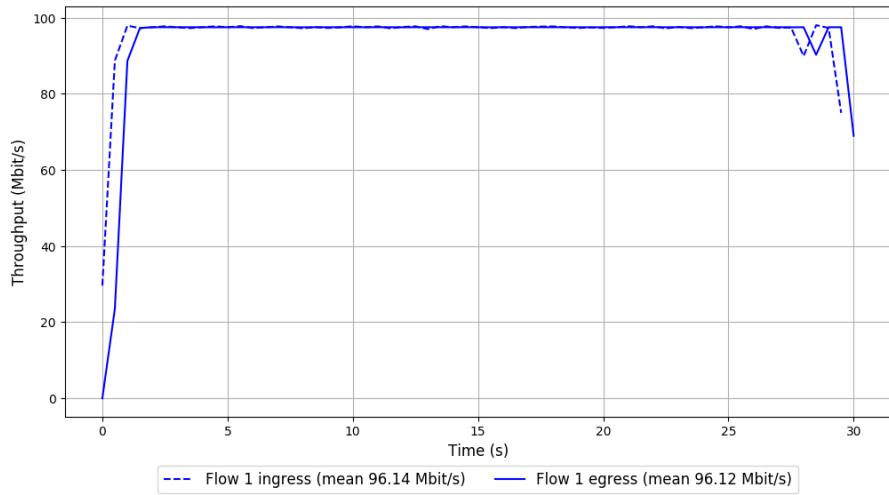


Run 8: Statistics of Indigo

```
Start at: 2018-05-25 03:59:07
End at: 2018-05-25 03:59:37
Local clock offset: 0.235 ms
Remote clock offset: 2.081 ms

# Below is generated by plot.py at 2018-05-25 05:03:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 36.090 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 36.090 ms
Loss rate: 0.22%
```

Run 8: Report of Indigo — Data Link

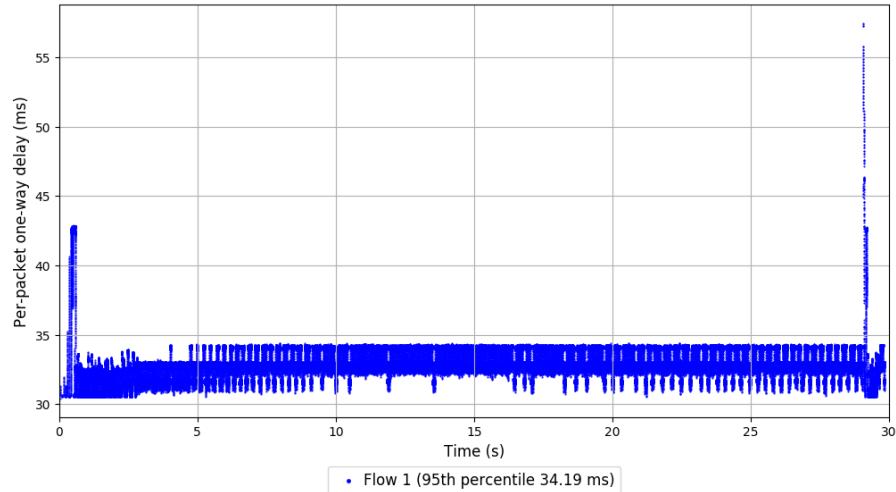
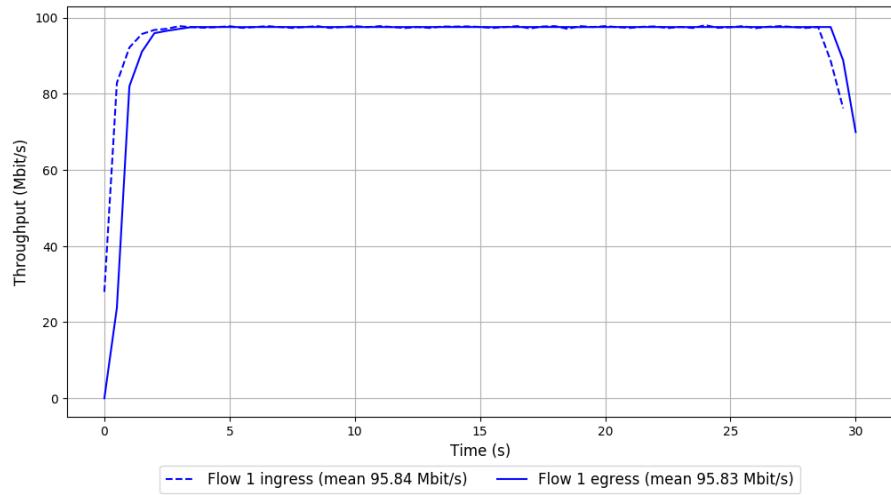


Run 9: Statistics of Indigo

```
Start at: 2018-05-25 04:20:08
End at: 2018-05-25 04:20:38
Local clock offset: 0.678 ms
Remote clock offset: 2.464 ms

# Below is generated by plot.py at 2018-05-25 05:03:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 34.190 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 34.190 ms
Loss rate: 0.22%
```

Run 9: Report of Indigo — Data Link

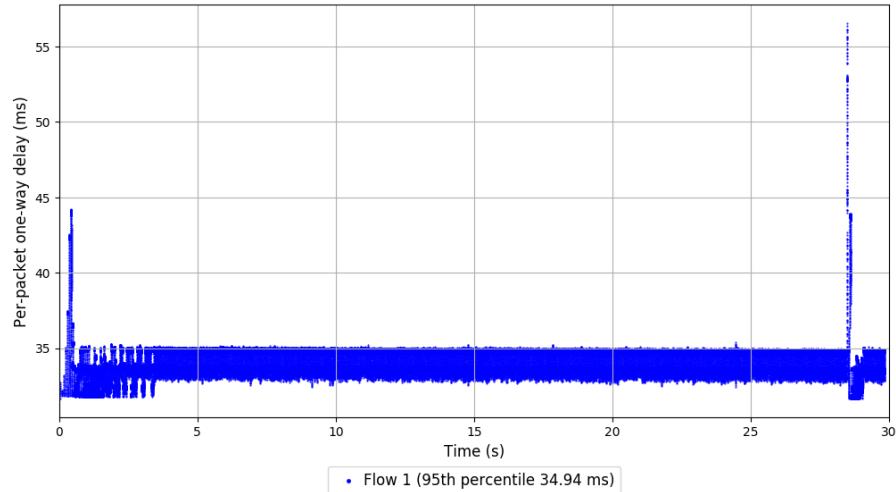
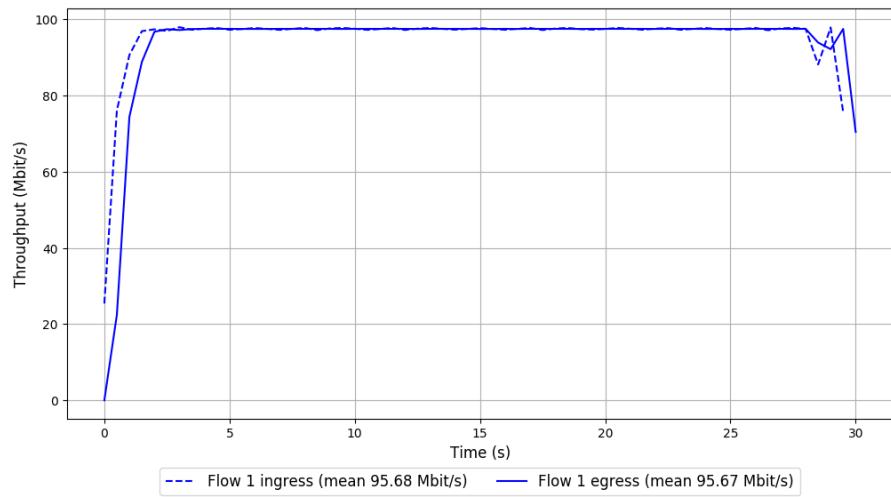


Run 10: Statistics of Indigo

```
Start at: 2018-05-25 04:40:58
End at: 2018-05-25 04:41:28
Local clock offset: -0.089 ms
Remote clock offset: -0.166 ms

# Below is generated by plot.py at 2018-05-25 05:03:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 34.937 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 34.937 ms
Loss rate: 0.21%
```

Run 10: Report of Indigo — Data Link

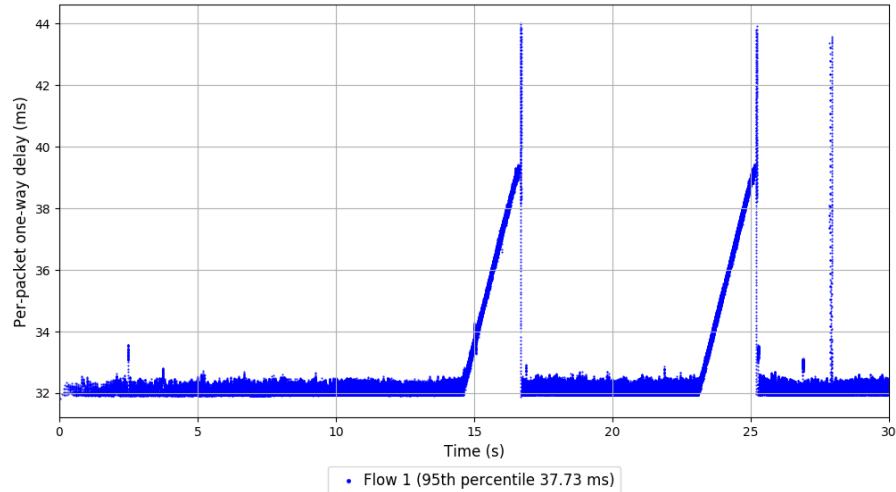
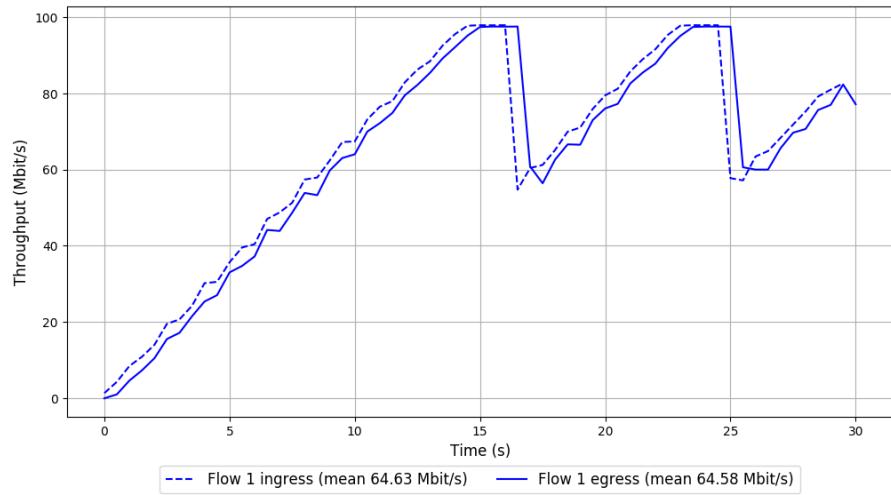


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-05-25 01:25:41
End at: 2018-05-25 01:26:11
Local clock offset: 0.962 ms
Remote clock offset: 0.898 ms

# Below is generated by plot.py at 2018-05-25 05:03:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 37.727 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 37.727 ms
Loss rate: 0.27%
```

Run 1: Report of LEDBAT — Data Link

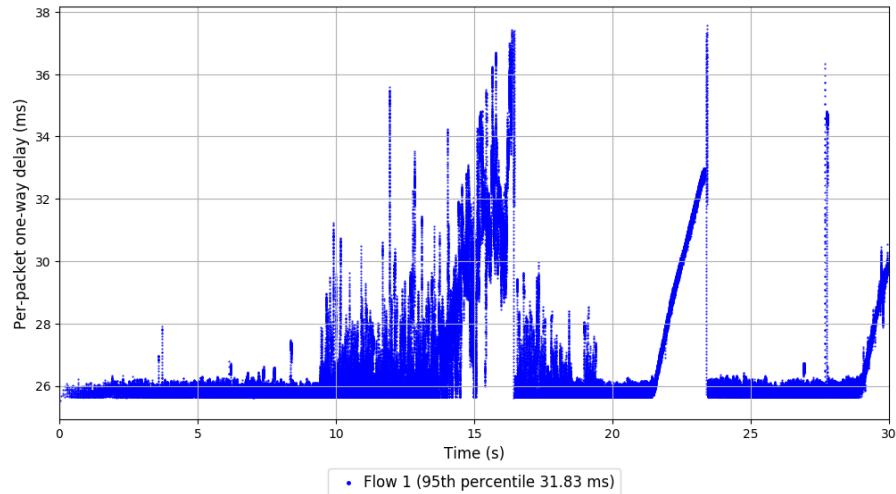
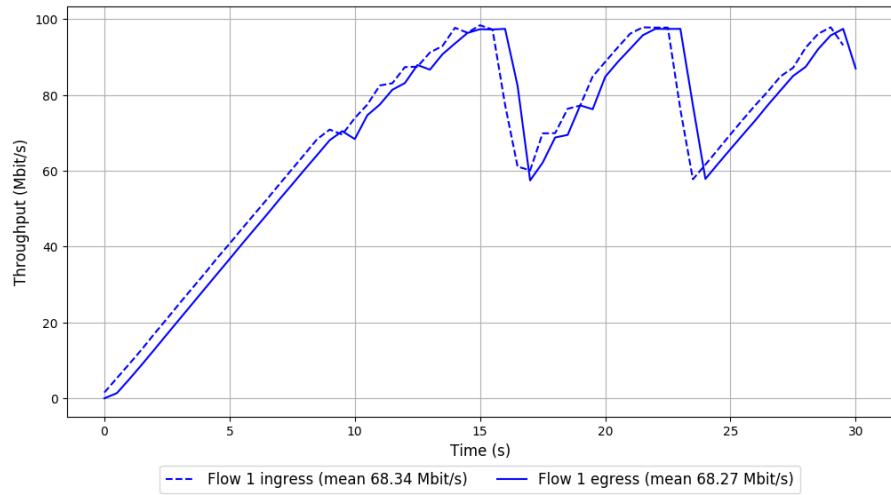


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-25 01:46:25
End at: 2018-05-25 01:46:55
Local clock offset: 0.513 ms
Remote clock offset: 3.226 ms

# Below is generated by plot.py at 2018-05-25 05:03:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 31.834 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 31.834 ms
Loss rate: 0.29%
```

Run 2: Report of LEDBAT — Data Link

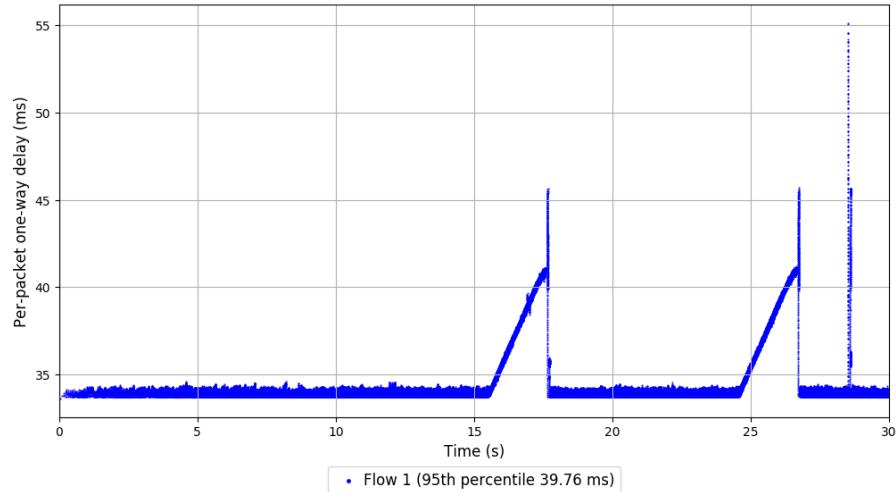
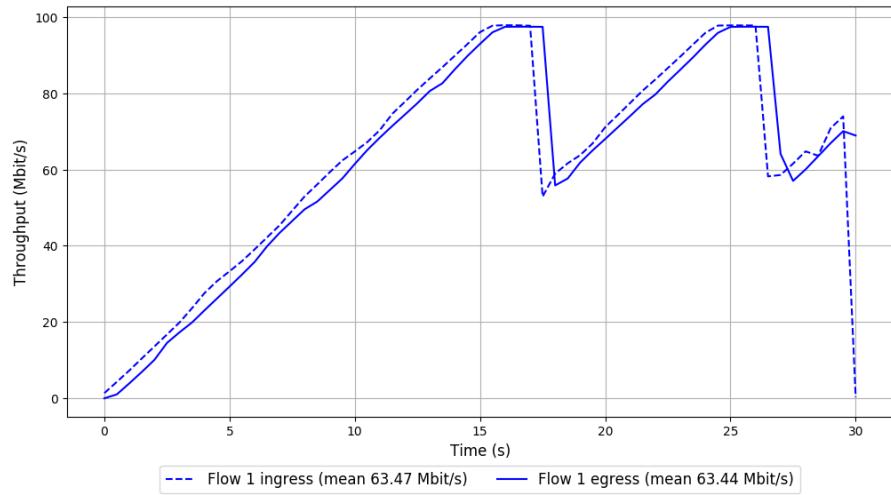


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-25 02:07:11
End at: 2018-05-25 02:07:41
Local clock offset: 0.37 ms
Remote clock offset: 1.268 ms

# Below is generated by plot.py at 2018-05-25 05:03:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 39.762 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 39.762 ms
Loss rate: 0.24%
```

Run 3: Report of LEDBAT — Data Link

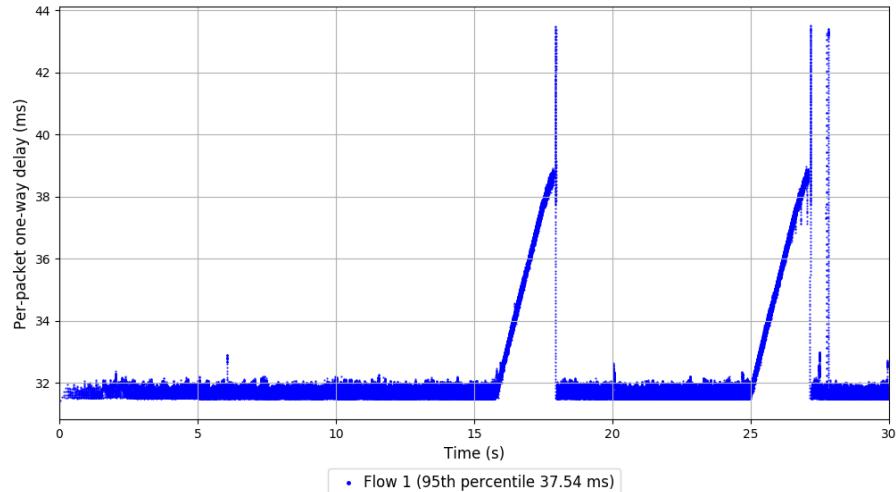
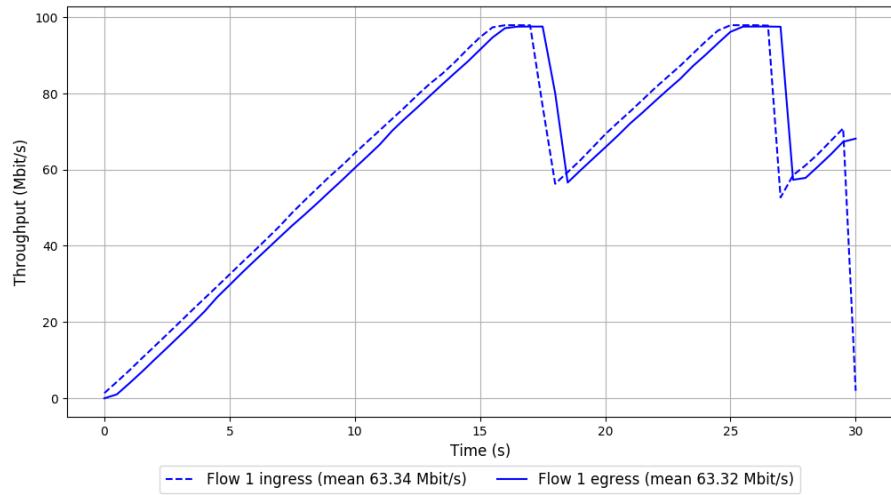


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-25 02:27:58
End at: 2018-05-25 02:28:28
Local clock offset: 0.334 ms
Remote clock offset: 3.354 ms

# Below is generated by plot.py at 2018-05-25 05:03:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 37.544 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 37.544 ms
Loss rate: 0.24%
```

Run 4: Report of LEDBAT — Data Link

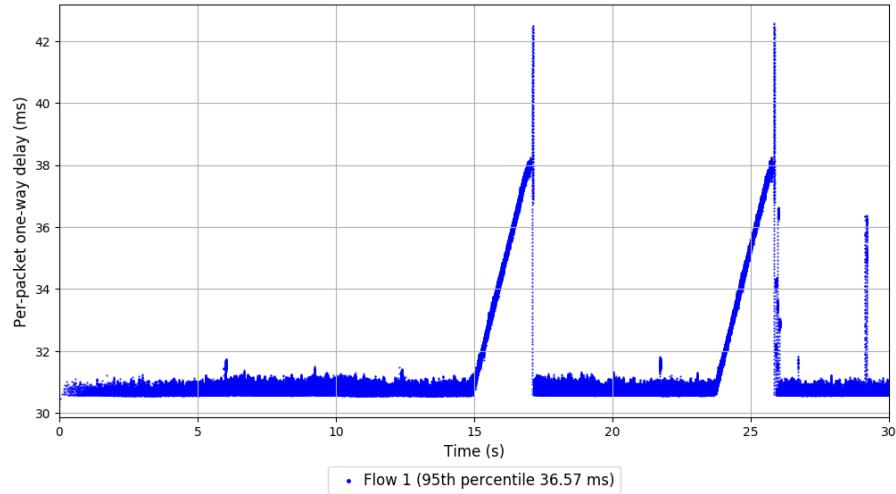
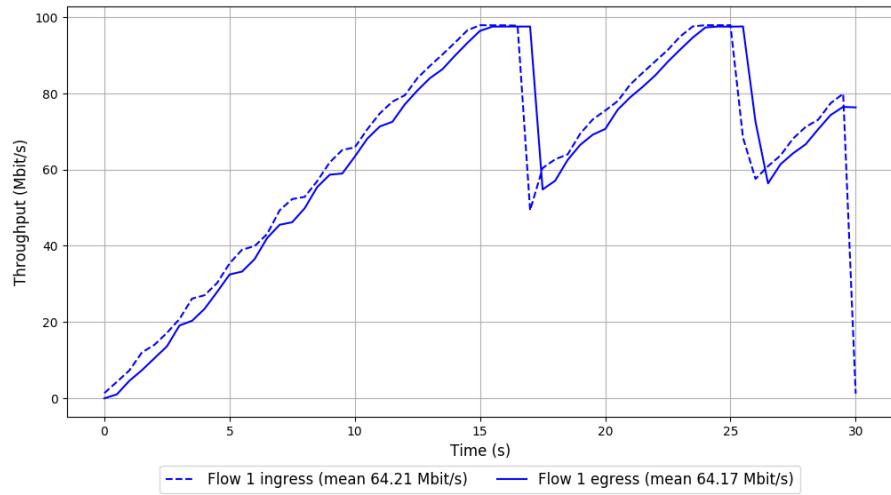


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-25 02:48:45
End at: 2018-05-25 02:49:15
Local clock offset: 0.137 ms
Remote clock offset: 3.253 ms

# Below is generated by plot.py at 2018-05-25 05:03:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 36.567 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 36.567 ms
Loss rate: 0.26%
```

Run 5: Report of LEDBAT — Data Link

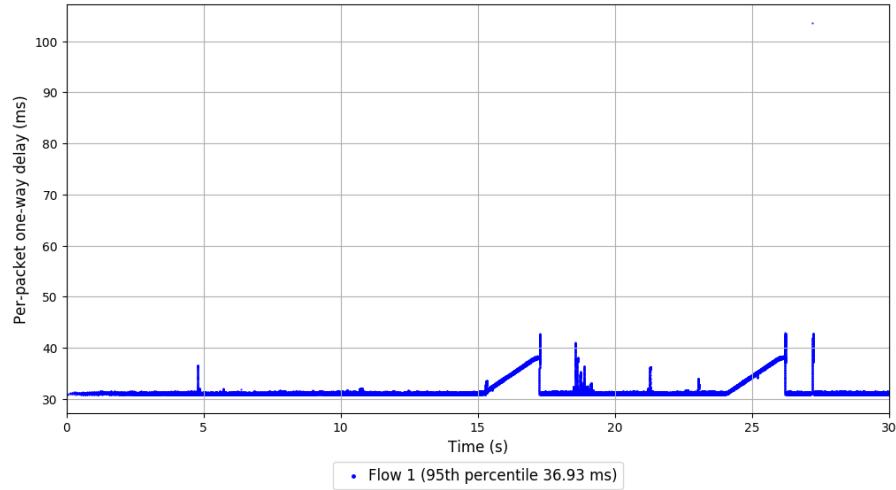
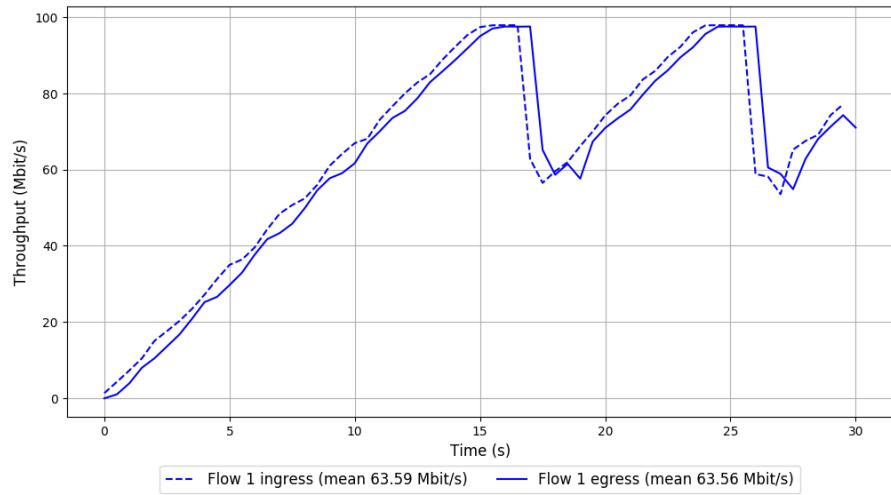


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-25 03:09:35
End at: 2018-05-25 03:10:05
Local clock offset: 0.147 ms
Remote clock offset: 2.167 ms

# Below is generated by plot.py at 2018-05-25 05:03:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 36.926 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 36.926 ms
Loss rate: 0.25%
```

Run 6: Report of LEDBAT — Data Link

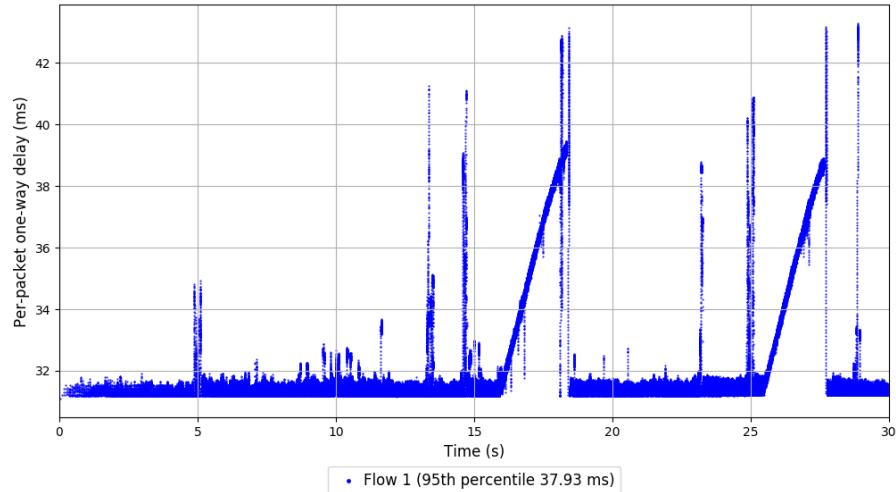
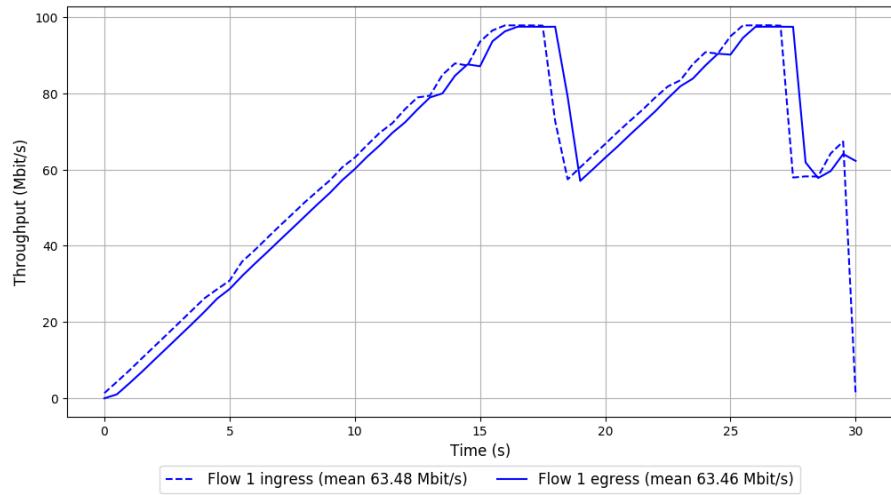


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-25 03:30:40
End at: 2018-05-25 03:31:10
Local clock offset: 0.141 ms
Remote clock offset: 1.99 ms

# Below is generated by plot.py at 2018-05-25 05:03:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 37.927 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 37.927 ms
Loss rate: 0.22%
```

Run 7: Report of LEDBAT — Data Link

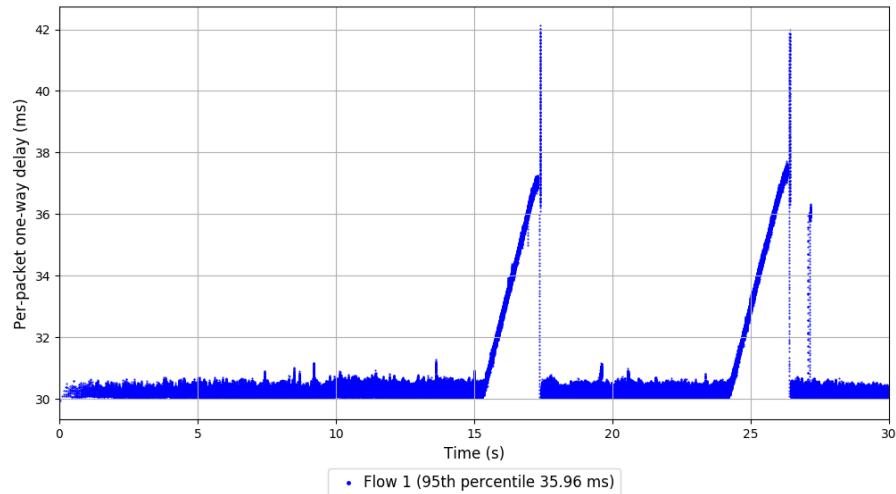
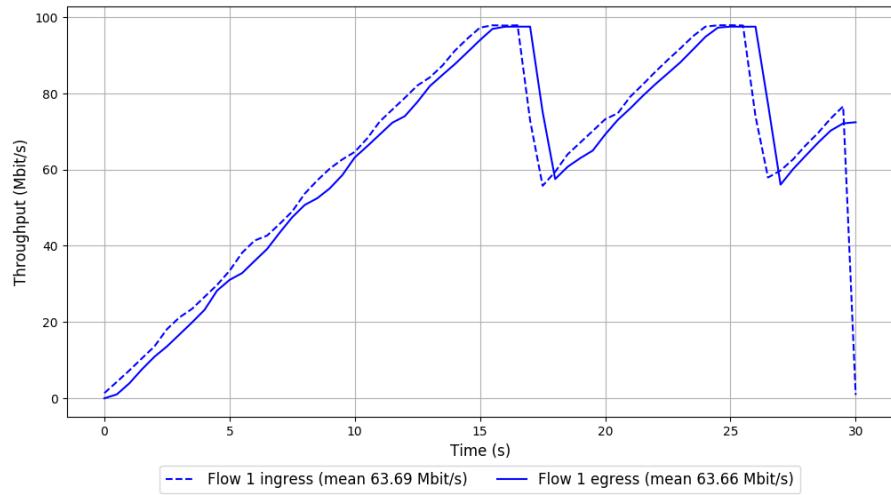


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-25 03:51:22
End at: 2018-05-25 03:51:52
Local clock offset: 0.031 ms
Remote clock offset: 2.577 ms

# Below is generated by plot.py at 2018-05-25 05:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.66 Mbit/s
95th percentile per-packet one-way delay: 35.957 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 63.66 Mbit/s
95th percentile per-packet one-way delay: 35.957 ms
Loss rate: 0.25%
```

Run 8: Report of LEDBAT — Data Link

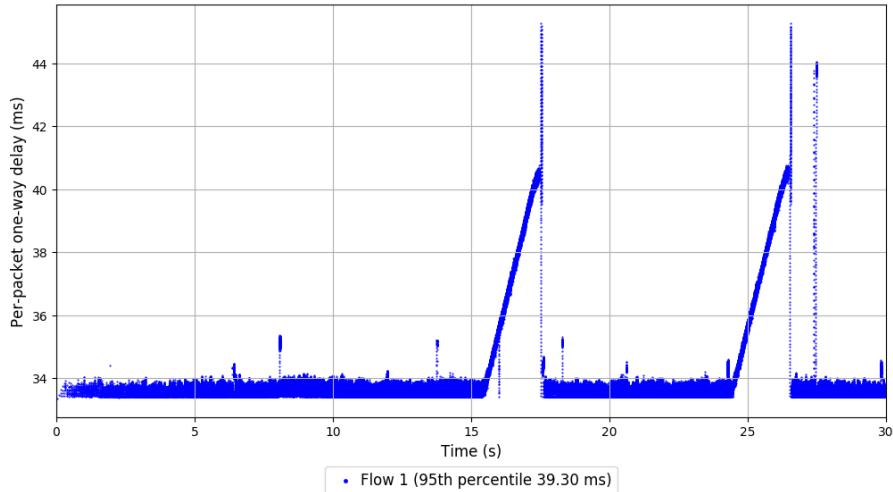
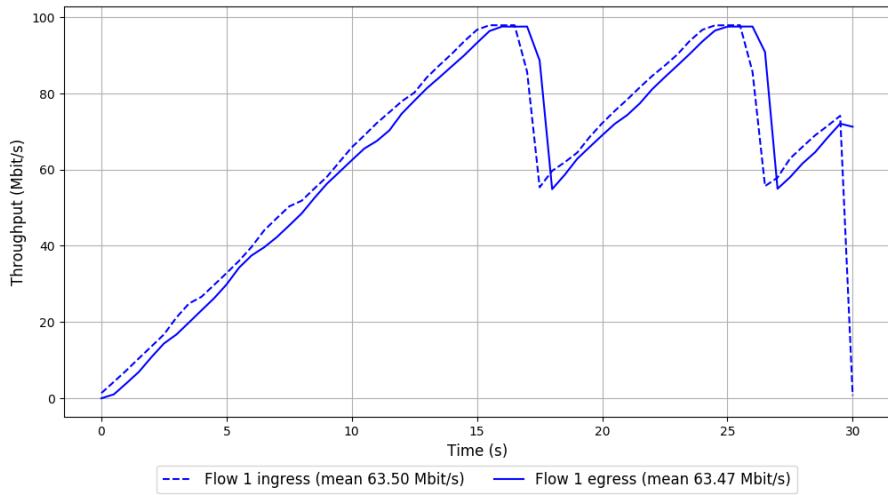


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-25 04:12:22
End at: 2018-05-25 04:12:52
Local clock offset: 0.503 ms
Remote clock offset: 0.283 ms

# Below is generated by plot.py at 2018-05-25 05:03:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.47 Mbit/s
95th percentile per-packet one-way delay: 39.301 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 63.47 Mbit/s
95th percentile per-packet one-way delay: 39.301 ms
Loss rate: 0.25%
```

Run 9: Report of LEDBAT — Data Link

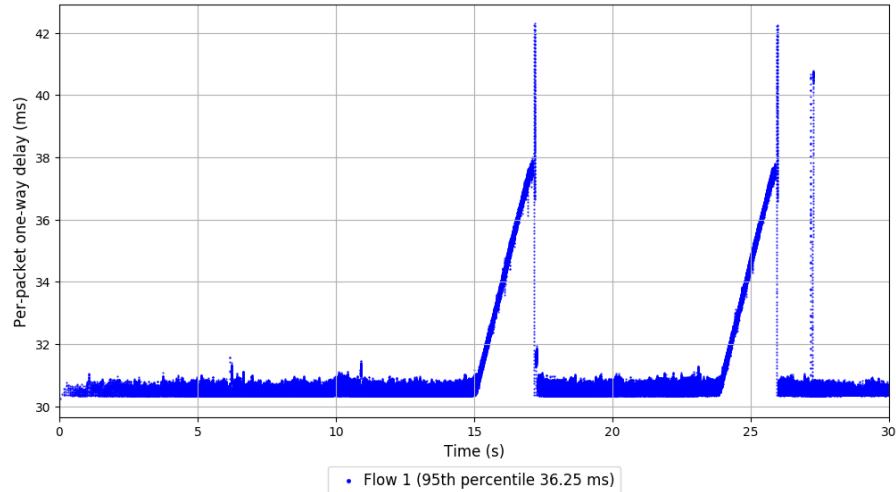
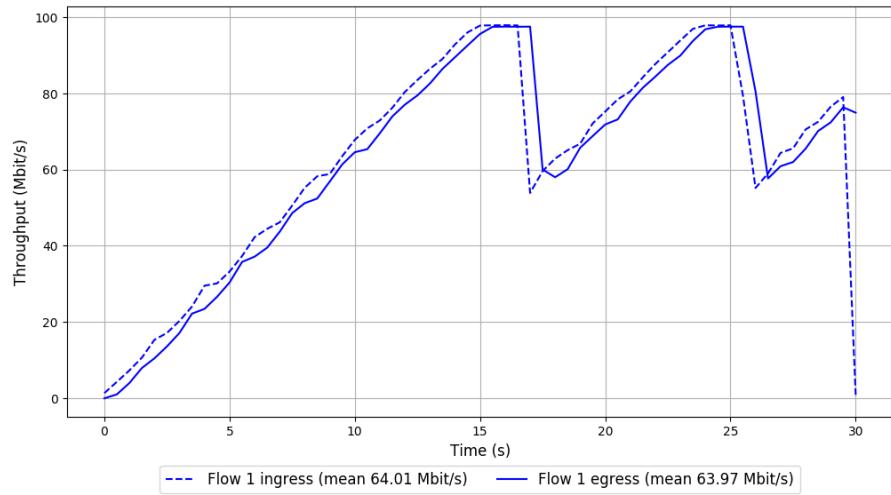


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-25 04:33:12
End at: 2018-05-25 04:33:42
Local clock offset: 0.241 ms
Remote clock offset: 2.916 ms

# Below is generated by plot.py at 2018-05-25 05:03:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 36.249 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 36.249 ms
Loss rate: 0.26%
```

Run 10: Report of LEDBAT — Data Link

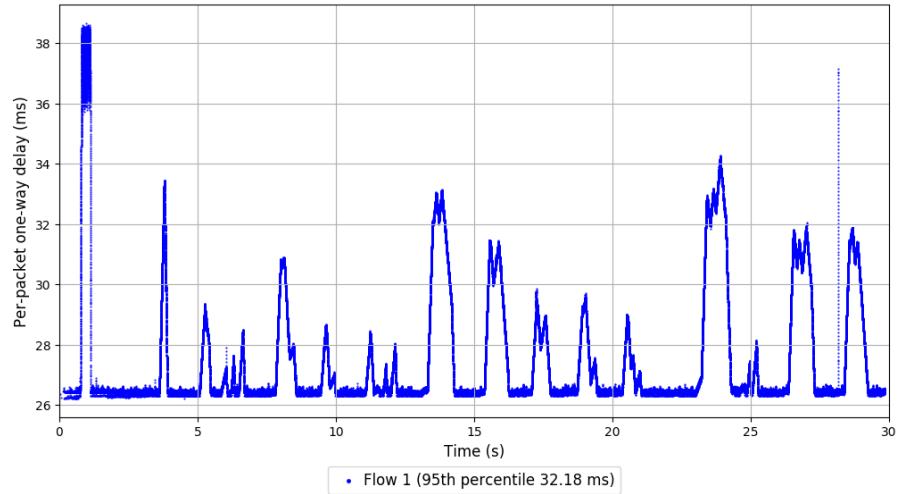
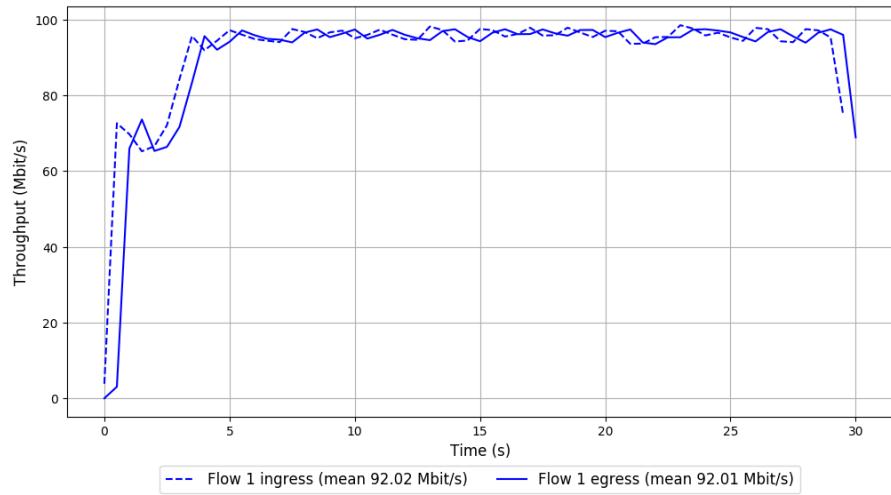


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-05-25 01:37:23
End at: 2018-05-25 01:37:53
Local clock offset: 0.454 ms
Remote clock offset: 2.976 ms

# Below is generated by plot.py at 2018-05-25 05:04:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 32.183 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 32.183 ms
Loss rate: 0.20%
```

Run 1: Report of PCC-Allegro — Data Link

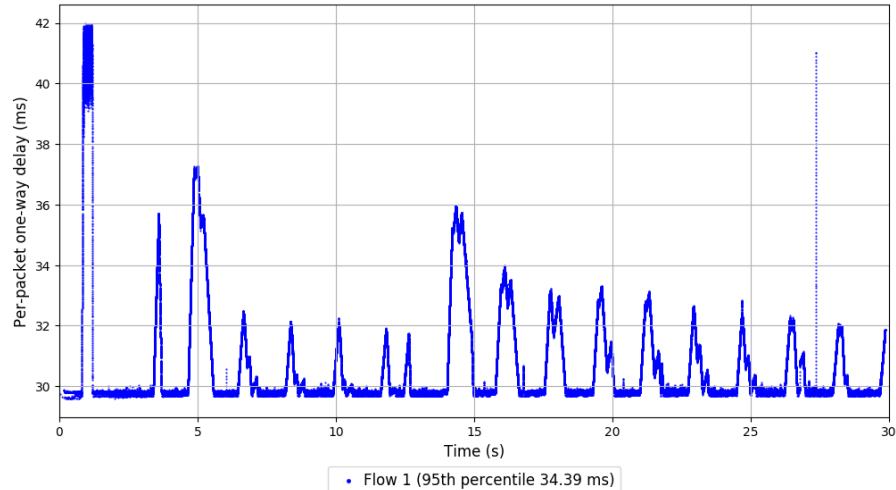
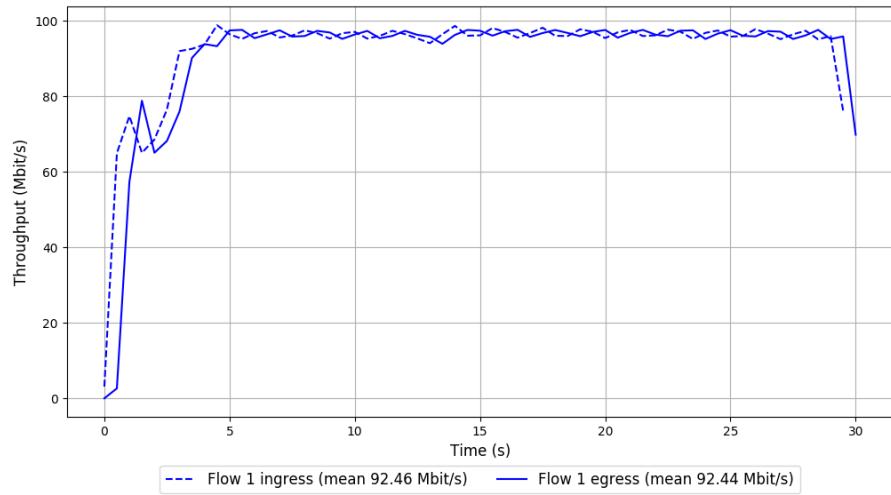


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-25 01:58:09
End at: 2018-05-25 01:58:39
Local clock offset: 0.365 ms
Remote clock offset: 3.177 ms

# Below is generated by plot.py at 2018-05-25 05:04:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 34.393 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 34.393 ms
Loss rate: 0.22%
```

Run 2: Report of PCC-Allegro — Data Link

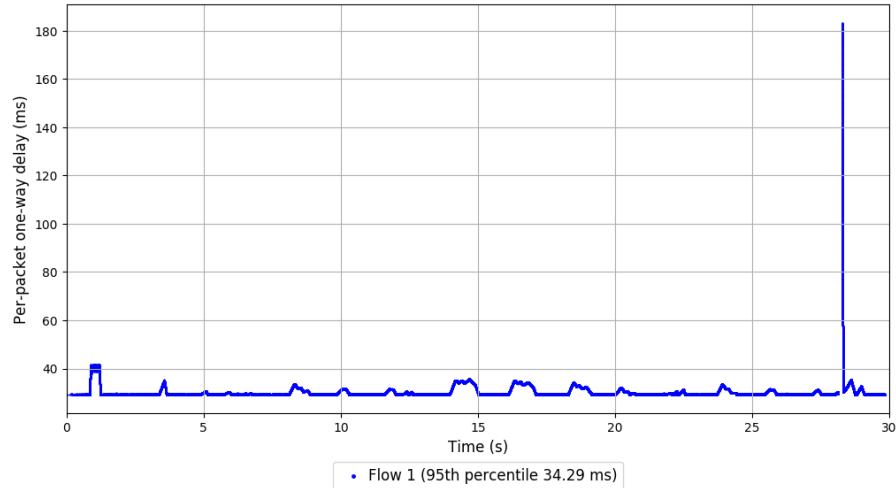
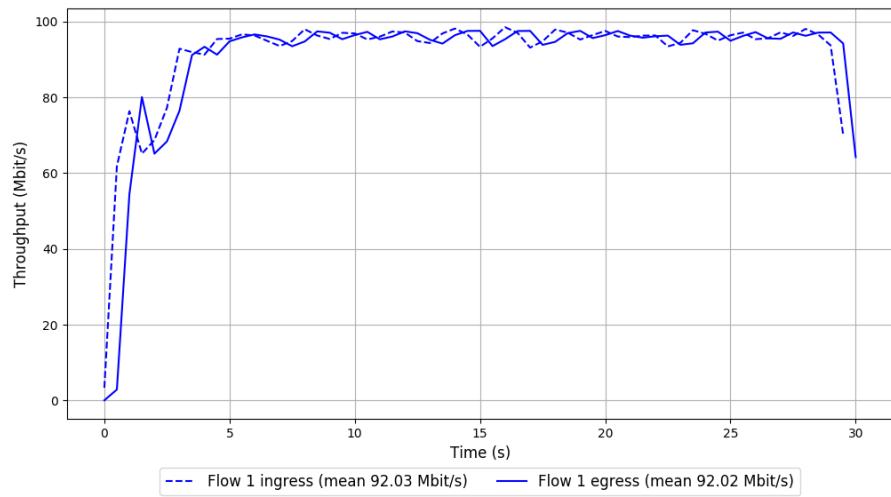


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-25 02:18:56
End at: 2018-05-25 02:19:26
Local clock offset: 0.277 ms
Remote clock offset: 4.006 ms

# Below is generated by plot.py at 2018-05-25 05:04:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 34.293 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 34.293 ms
Loss rate: 0.21%
```

Run 3: Report of PCC-Allegro — Data Link

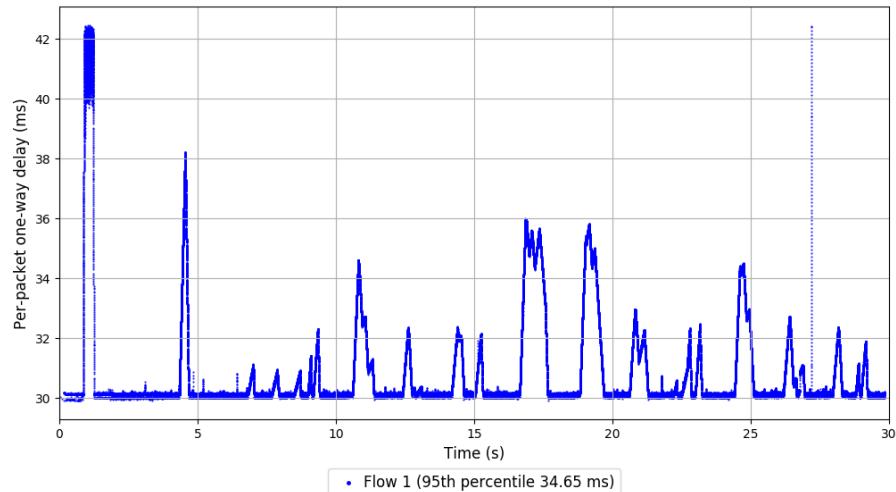
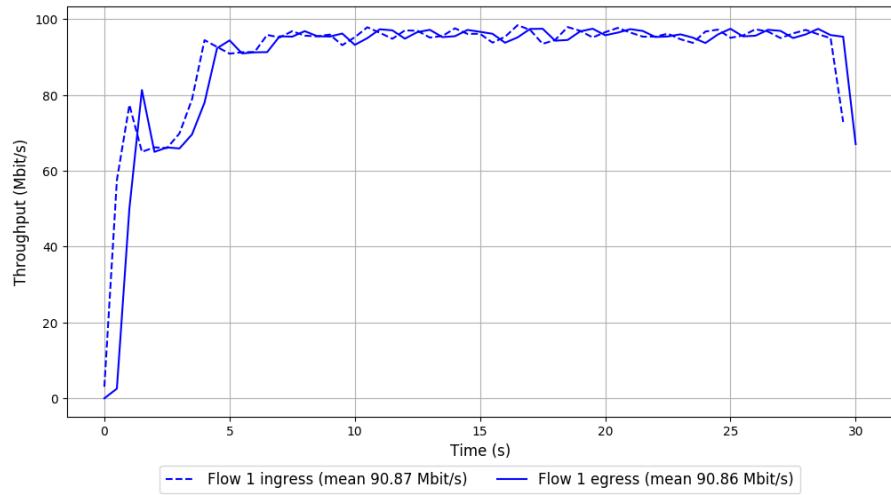


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-25 02:39:42
End at: 2018-05-25 02:40:12
Local clock offset: 0.183 ms
Remote clock offset: 3.688 ms

# Below is generated by plot.py at 2018-05-25 05:04:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 34.654 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 34.654 ms
Loss rate: 0.21%
```

Run 4: Report of PCC-Allegro — Data Link

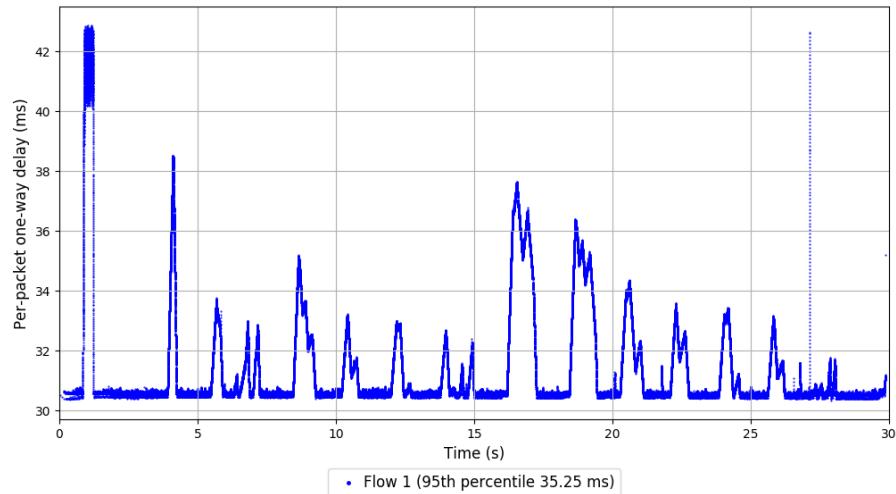
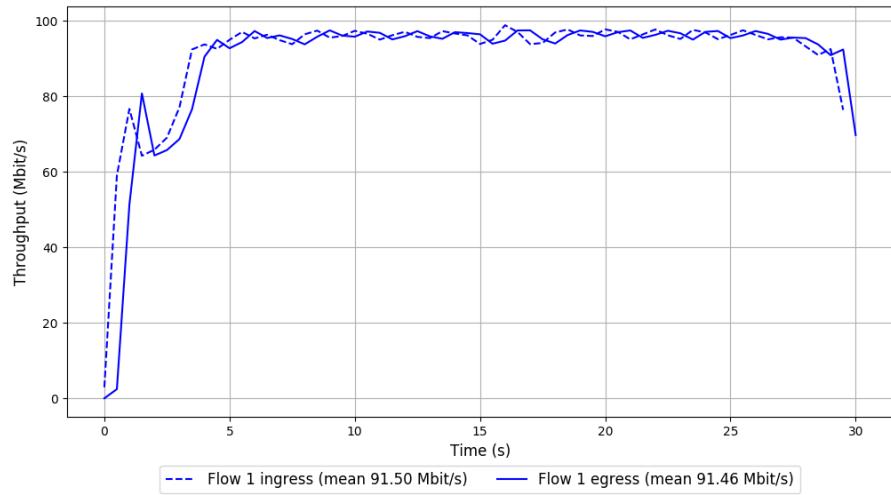


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-25 03:00:31
End at: 2018-05-25 03:01:01
Local clock offset: 0.178 ms
Remote clock offset: 2.875 ms

# Below is generated by plot.py at 2018-05-25 05:04:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 35.251 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 35.251 ms
Loss rate: 0.23%
```

Run 5: Report of PCC-Allegro — Data Link

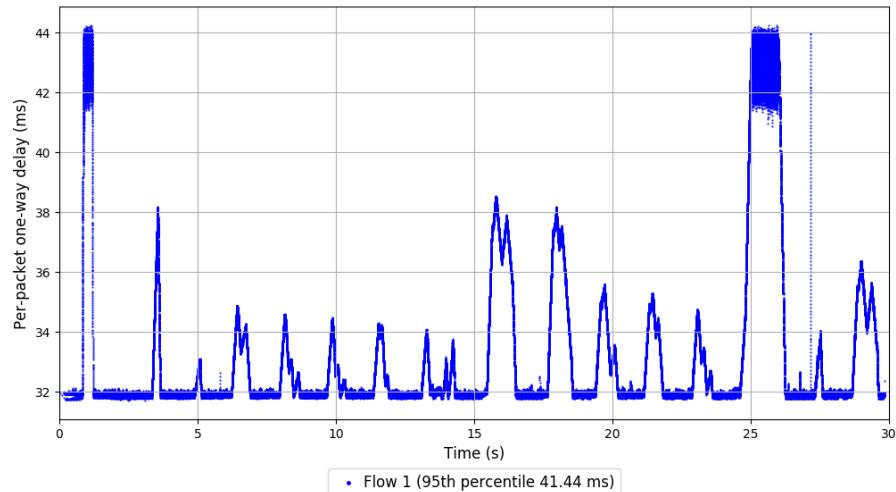
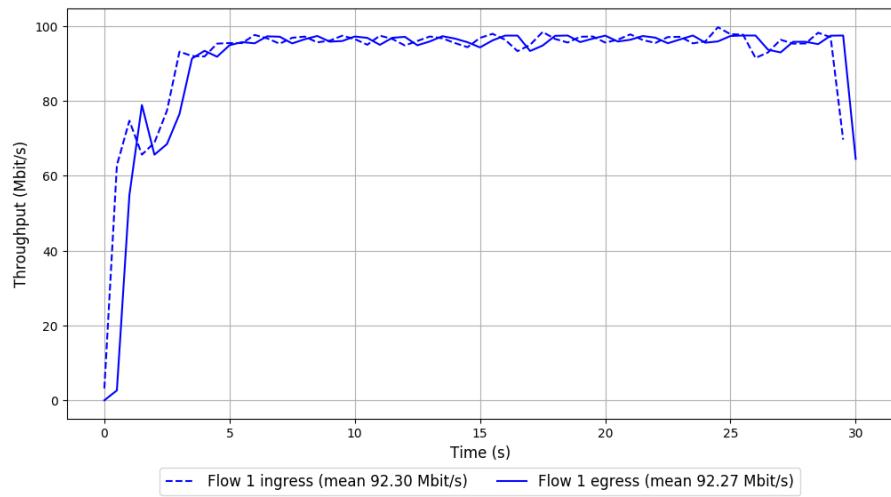


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-25 03:21:22
End at: 2018-05-25 03:21:52
Local clock offset: 0.158 ms
Remote clock offset: -0.303 ms

# Below is generated by plot.py at 2018-05-25 05:04:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 41.442 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 41.442 ms
Loss rate: 0.23%
```

Run 6: Report of PCC-Allegro — Data Link

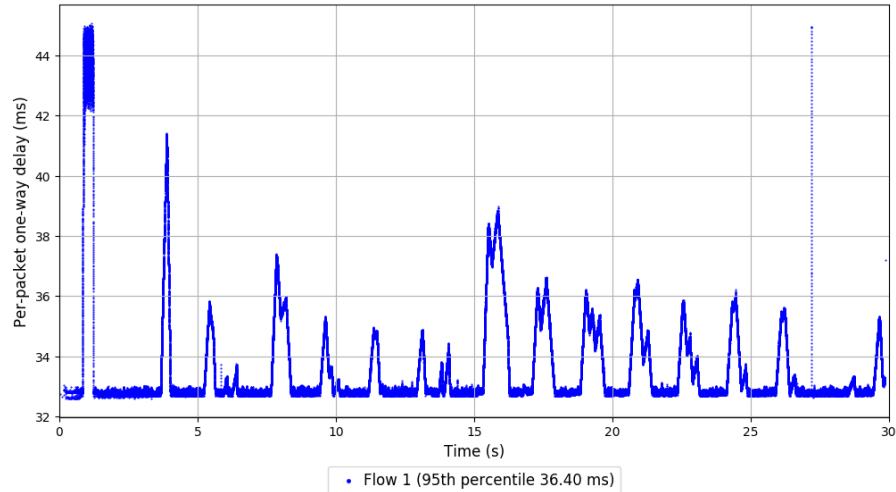
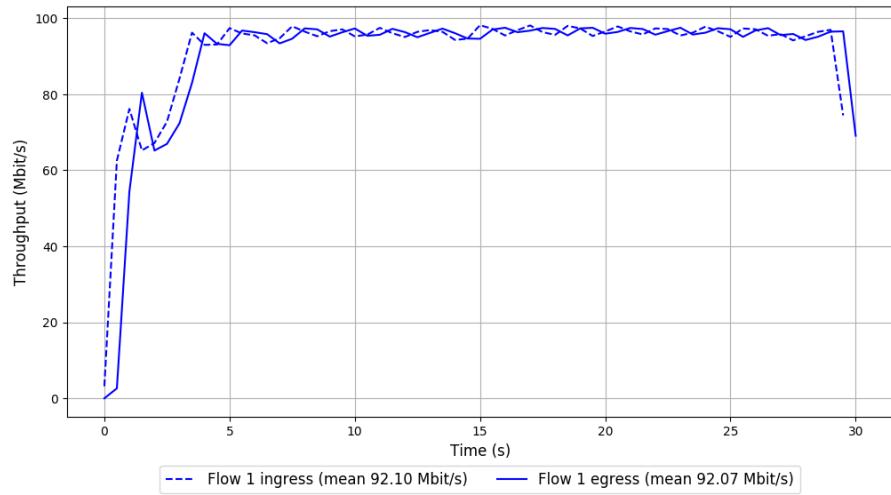


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-25 03:42:21
End at: 2018-05-25 03:42:51
Local clock offset: -0.022 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-05-25 05:04:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 36.399 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 36.399 ms
Loss rate: 0.22%
```

Run 7: Report of PCC-Allegro — Data Link

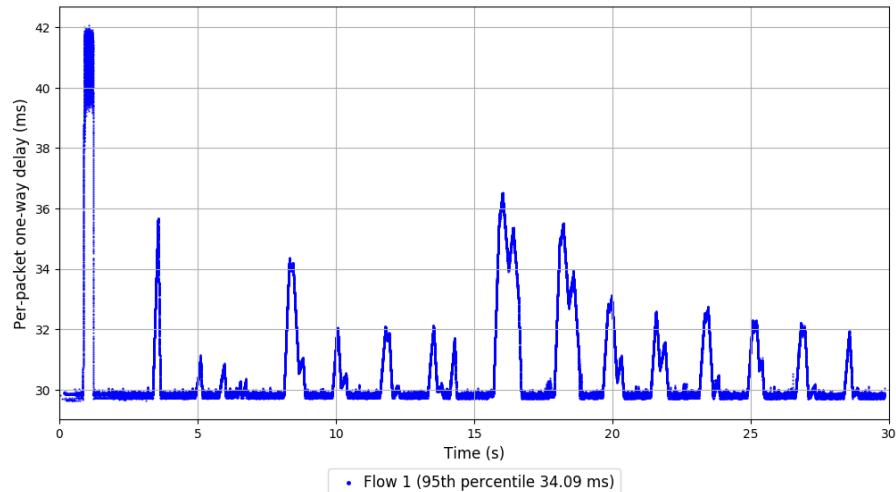
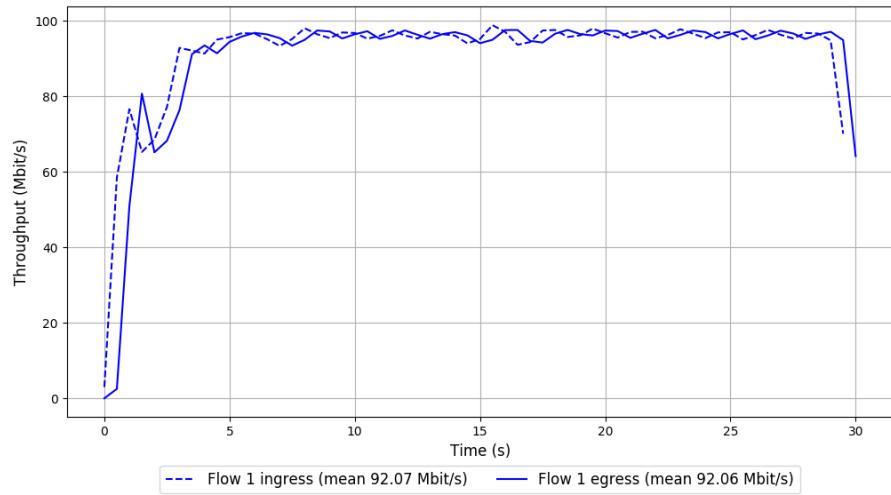


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-25 04:03:19
End at: 2018-05-25 04:03:49
Local clock offset: 0.397 ms
Remote clock offset: 2.051 ms

# Below is generated by plot.py at 2018-05-25 05:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 34.091 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 34.091 ms
Loss rate: 0.21%
```

Run 8: Report of PCC-Allegro — Data Link

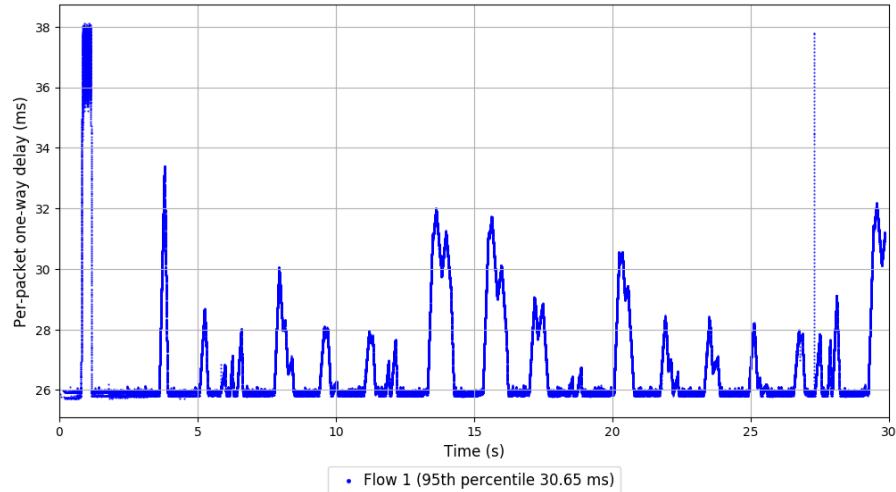
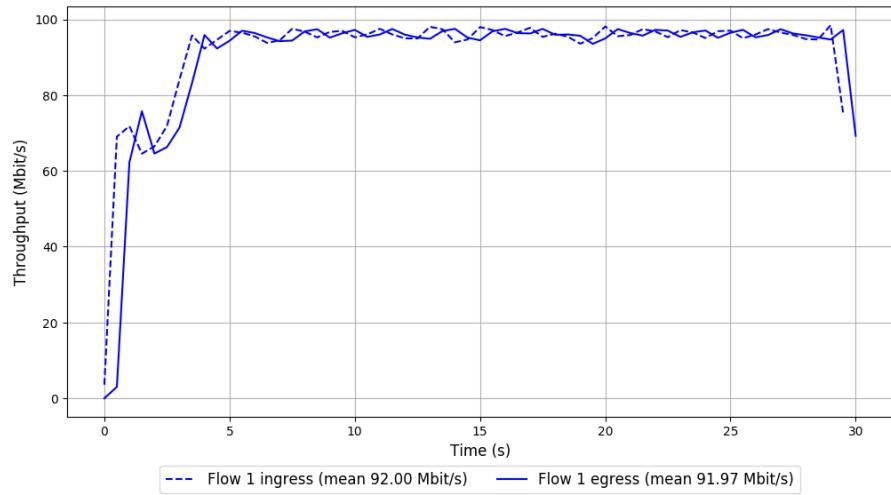


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-25 04:24:08
End at: 2018-05-25 04:24:38
Local clock offset: 0.632 ms
Remote clock offset: 2.96 ms

# Below is generated by plot.py at 2018-05-25 05:05:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 0.22%
```

Run 9: Report of PCC-Allegro — Data Link

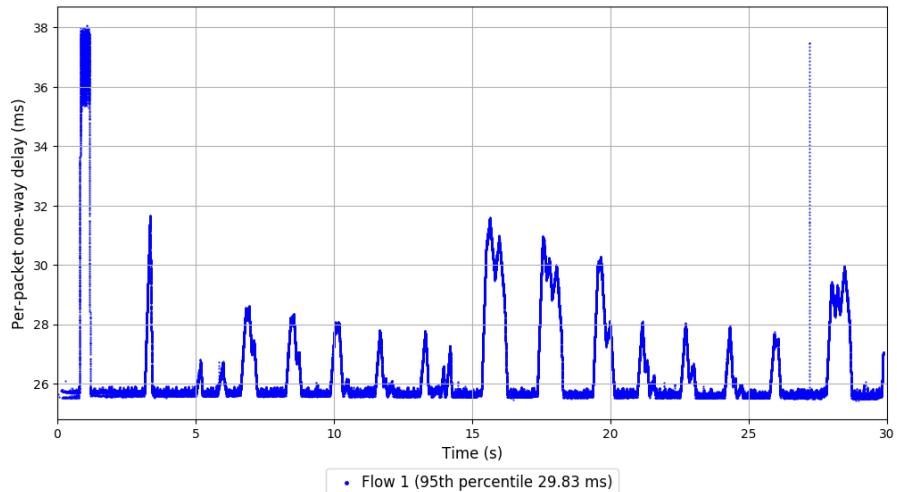
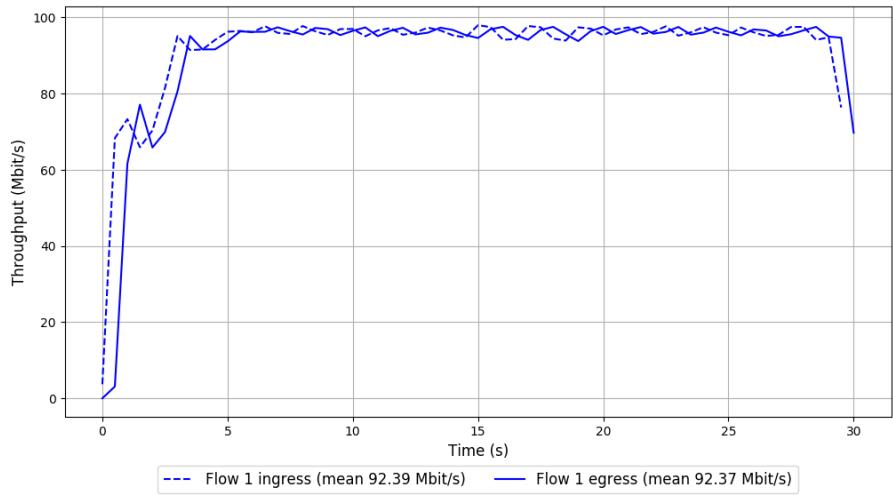


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-25 04:44:57
End at: 2018-05-25 04:45:27
Local clock offset: -0.042 ms
Remote clock offset: 0.862 ms

# Below is generated by plot.py at 2018-05-25 05:05:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 29.832 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 29.832 ms
Loss rate: 0.21%
```

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-25 01:30:53

End at: 2018-05-25 01:31:23

Local clock offset: 0.687 ms

Remote clock offset: 0.89 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-25 01:51:38

End at: 2018-05-25 01:52:08

Local clock offset: 0.402 ms

Remote clock offset: 1.15 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-05-25 02:12:25

End at: 2018-05-25 02:12:55

Local clock offset: 0.356 ms

Remote clock offset: 3.408 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-25 02:33:11

End at: 2018-05-25 02:33:41

Local clock offset: 0.246 ms

Remote clock offset: 1.248 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-05-25 02:53:59

End at: 2018-05-25 02:54:29

Local clock offset: 0.143 ms

Remote clock offset: 3.782 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-25 03:14:49

End at: 2018-05-25 03:15:19

Local clock offset: 0.156 ms

Remote clock offset: 2.02 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-25 03:35:51

End at: 2018-05-25 03:36:21

Local clock offset: 0.101 ms

Remote clock offset: 1.836 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-25 03:56:34

End at: 2018-05-25 03:57:04

Local clock offset: 0.118 ms

Remote clock offset: 2.042 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-25 04:17:35

End at: 2018-05-25 04:18:05

Local clock offset: 0.567 ms

Remote clock offset: 2.387 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-25 04:38:25

End at: 2018-05-25 04:38:55

Local clock offset: 0.054 ms

Remote clock offset: 0.383 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

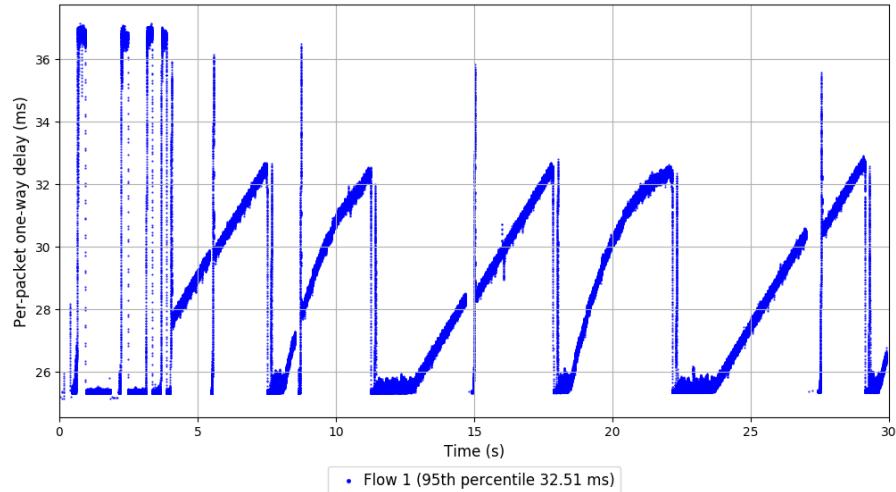
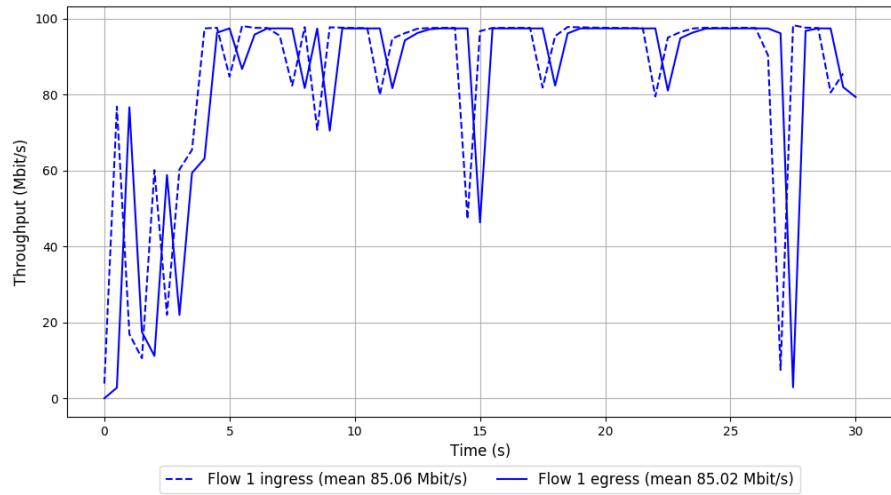
Figure is missing

```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-05-25 01:28:19
End at: 2018-05-25 01:28:49
Local clock offset: 0.788 ms
Remote clock offset: 3.374 ms

# Below is generated by plot.py at 2018-05-25 05:05:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 32.505 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 32.505 ms
Loss rate: 0.22%
```

Run 1: Report of QUIC Cubic — Data Link

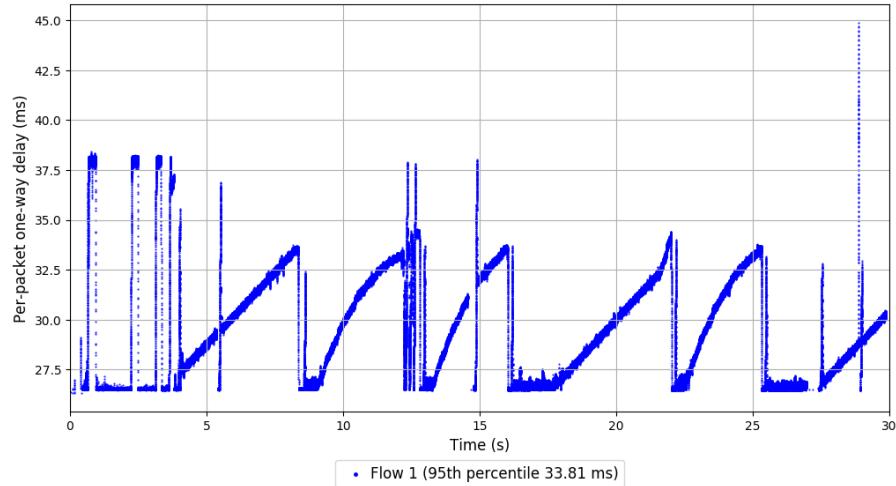
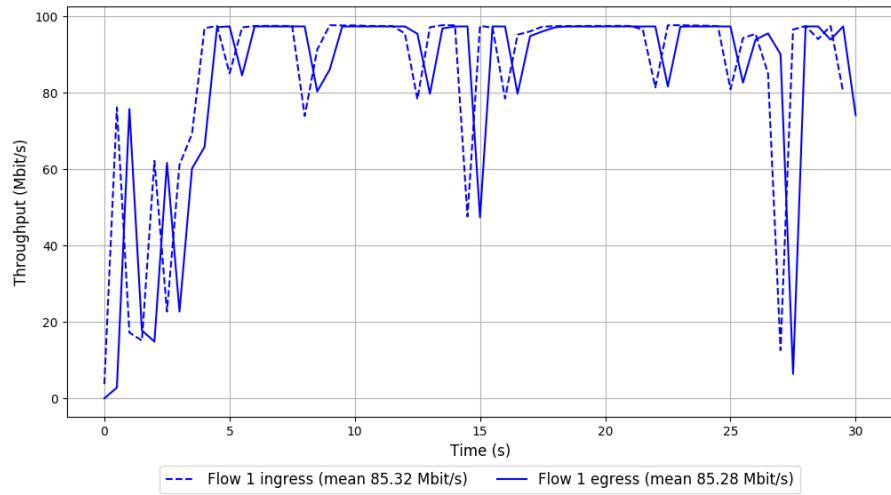


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-25 01:49:04
End at: 2018-05-25 01:49:34
Local clock offset: 0.493 ms
Remote clock offset: 3.21 ms

# Below is generated by plot.py at 2018-05-25 05:05:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 33.808 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 33.808 ms
Loss rate: 0.24%
```

Run 2: Report of QUIC Cubic — Data Link

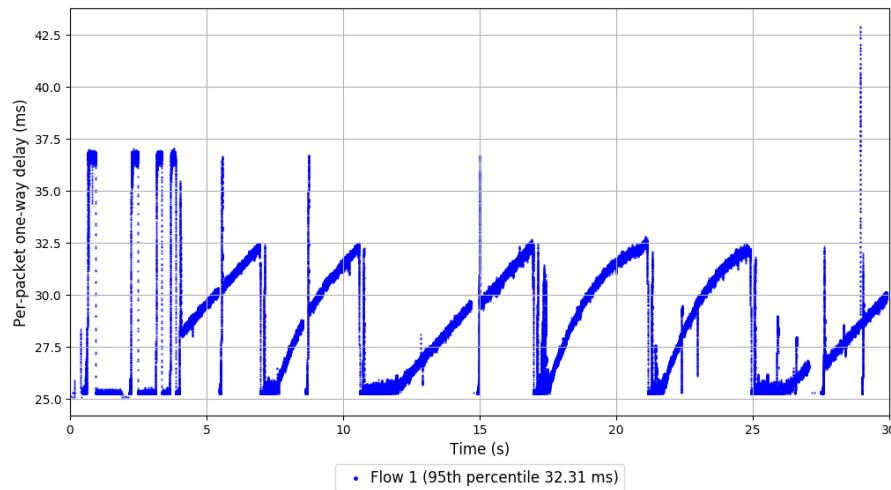
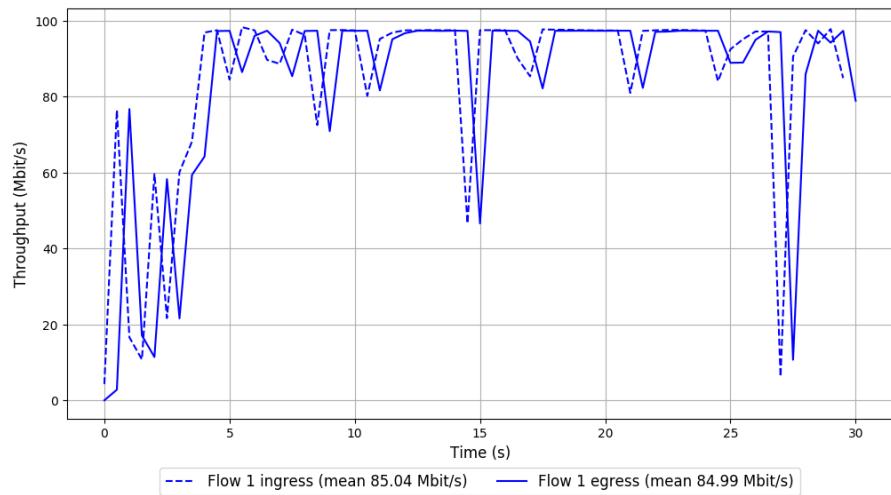


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-25 02:09:50
End at: 2018-05-25 02:10:20
Local clock offset: 0.334 ms
Remote clock offset: 3.902 ms

# Below is generated by plot.py at 2018-05-25 05:05:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.99 Mbit/s
95th percentile per-packet one-way delay: 32.315 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 84.99 Mbit/s
95th percentile per-packet one-way delay: 32.315 ms
Loss rate: 0.24%
```

Run 3: Report of QUIC Cubic — Data Link

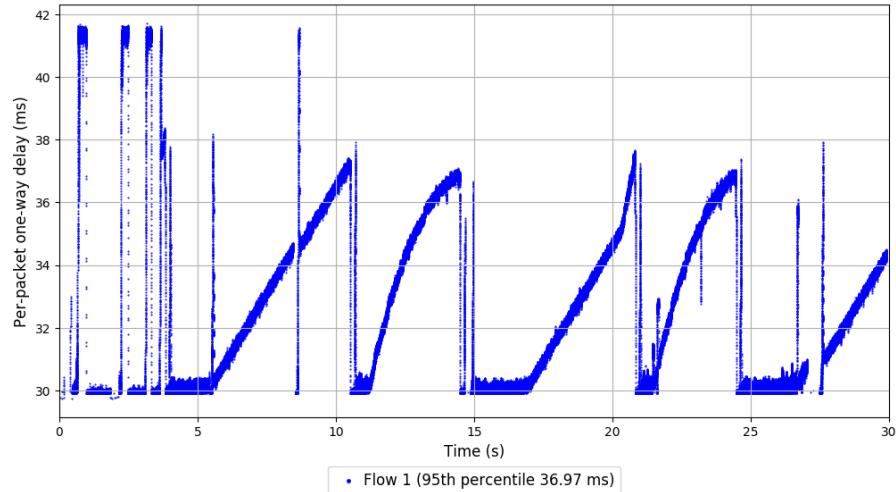
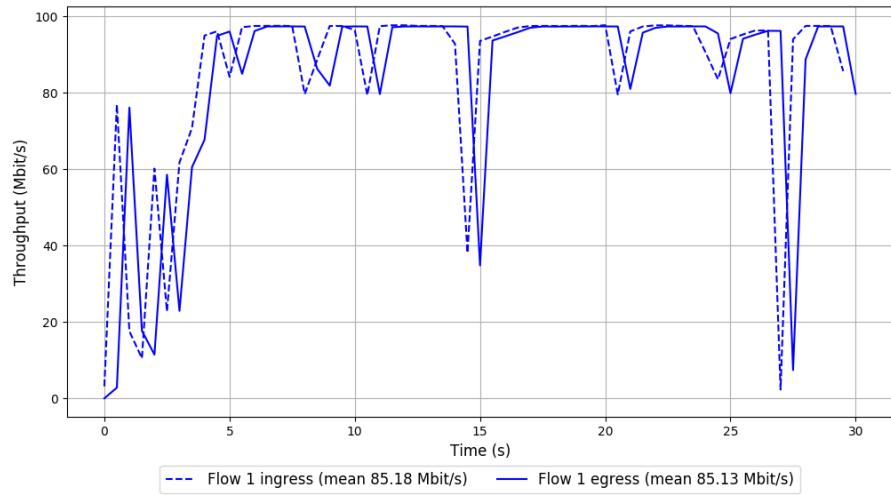


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-25 02:30:36
End at: 2018-05-25 02:31:06
Local clock offset: 0.289 ms
Remote clock offset: 3.469 ms

# Below is generated by plot.py at 2018-05-25 05:06:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.13 Mbit/s
95th percentile per-packet one-way delay: 36.974 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 85.13 Mbit/s
95th percentile per-packet one-way delay: 36.974 ms
Loss rate: 0.25%
```

Run 4: Report of QUIC Cubic — Data Link

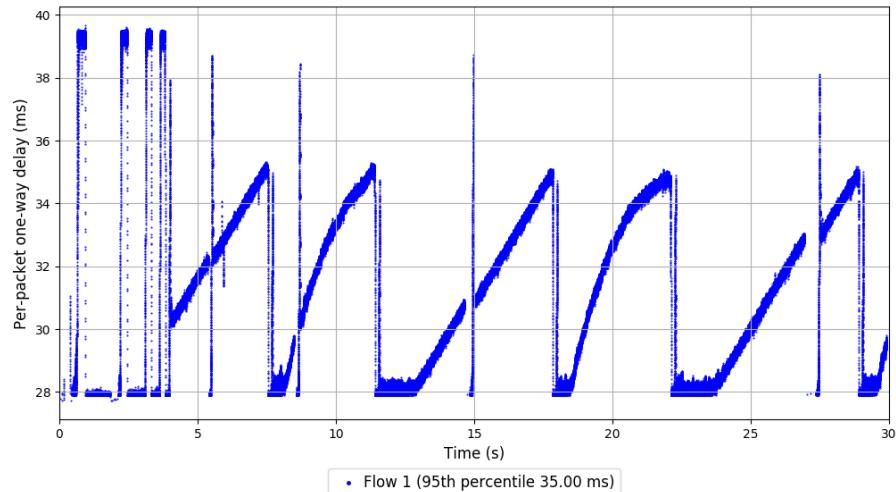
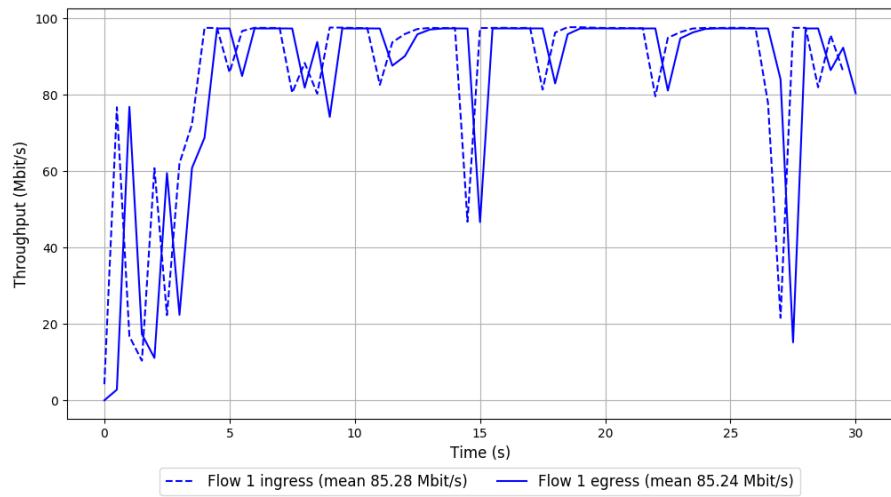


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-25 02:51:24
End at: 2018-05-25 02:51:54
Local clock offset: 0.141 ms
Remote clock offset: 1.204 ms

# Below is generated by plot.py at 2018-05-25 05:06:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 34.998 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 34.998 ms
Loss rate: 0.23%
```

Run 5: Report of QUIC Cubic — Data Link

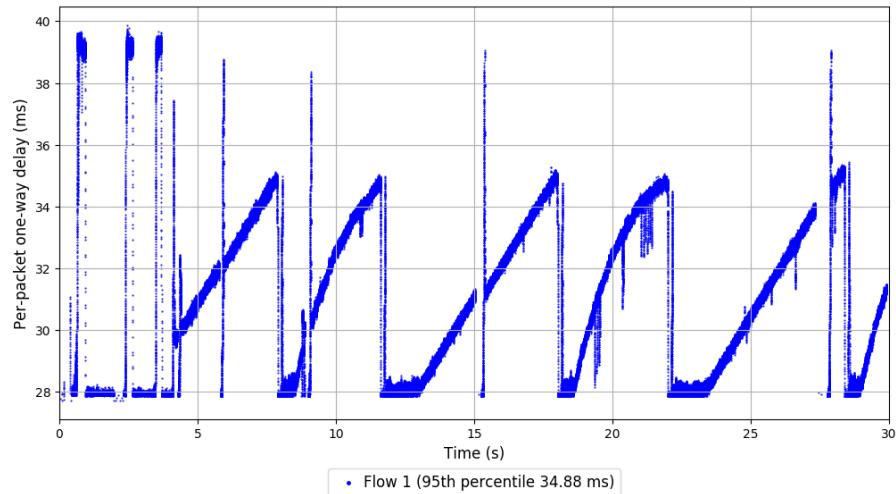
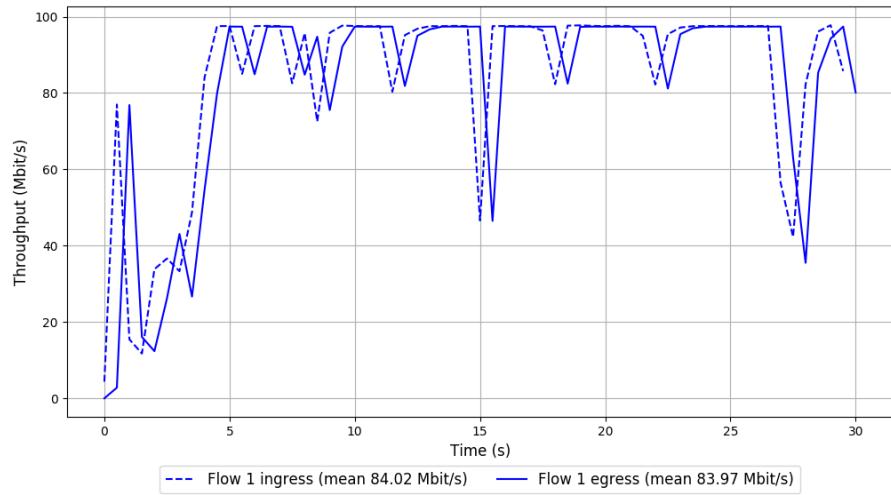


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-25 03:12:14
End at: 2018-05-25 03:12:44
Local clock offset: 0.143 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-05-25 05:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 34.885 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 34.885 ms
Loss rate: 0.25%
```

Run 6: Report of QUIC Cubic — Data Link

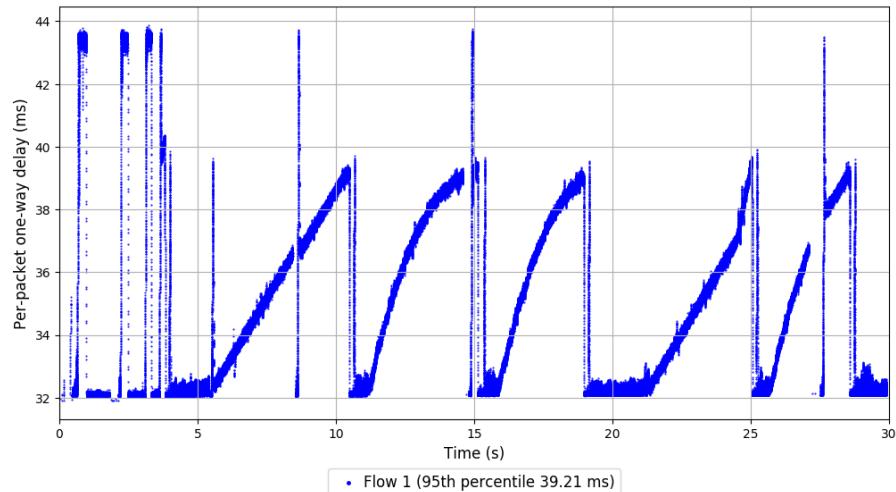
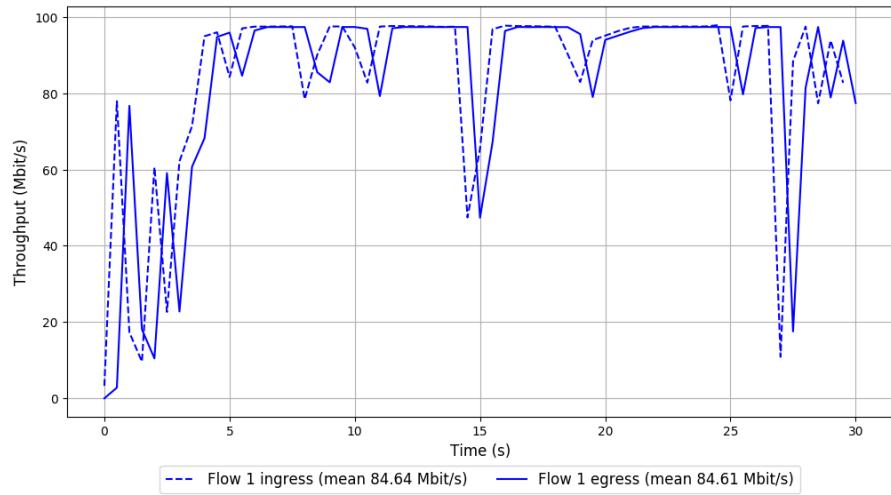


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-25 03:33:18
End at: 2018-05-25 03:33:48
Local clock offset: 0.121 ms
Remote clock offset: -0.31 ms

# Below is generated by plot.py at 2018-05-25 05:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 39.214 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 39.214 ms
Loss rate: 0.23%
```

Run 7: Report of QUIC Cubic — Data Link

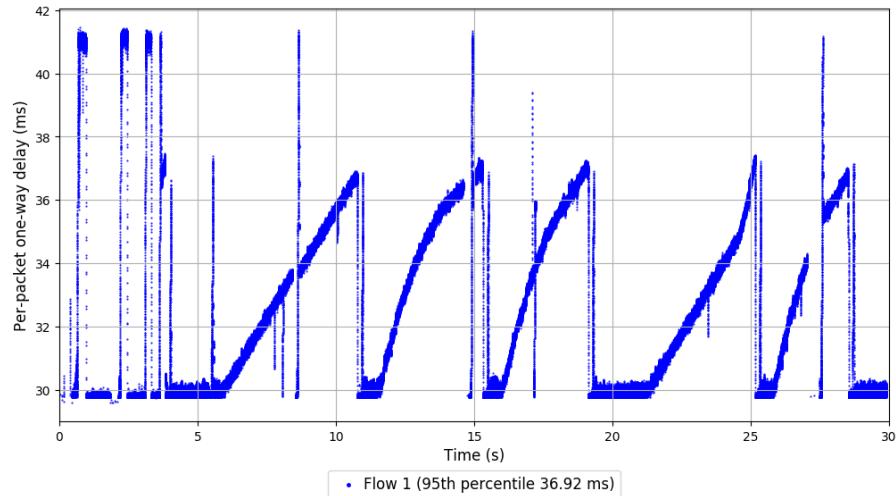
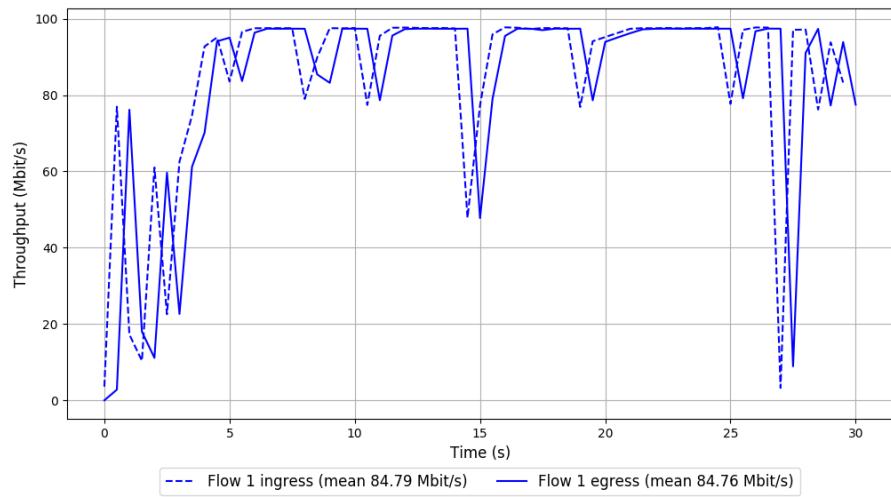


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-25 03:54:00
End at: 2018-05-25 03:54:30
Local clock offset: -0.065 ms
Remote clock offset: 2.068 ms

# Below is generated by plot.py at 2018-05-25 05:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 36.916 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 36.916 ms
Loss rate: 0.23%
```

Run 8: Report of QUIC Cubic — Data Link

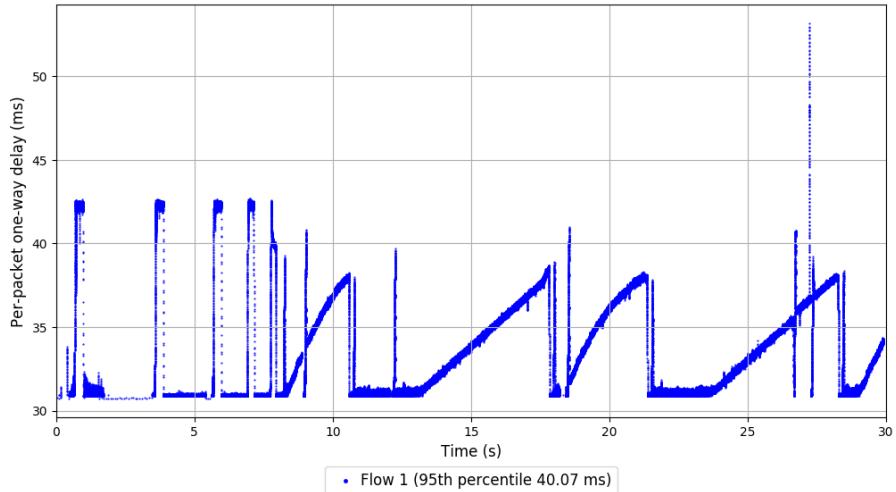
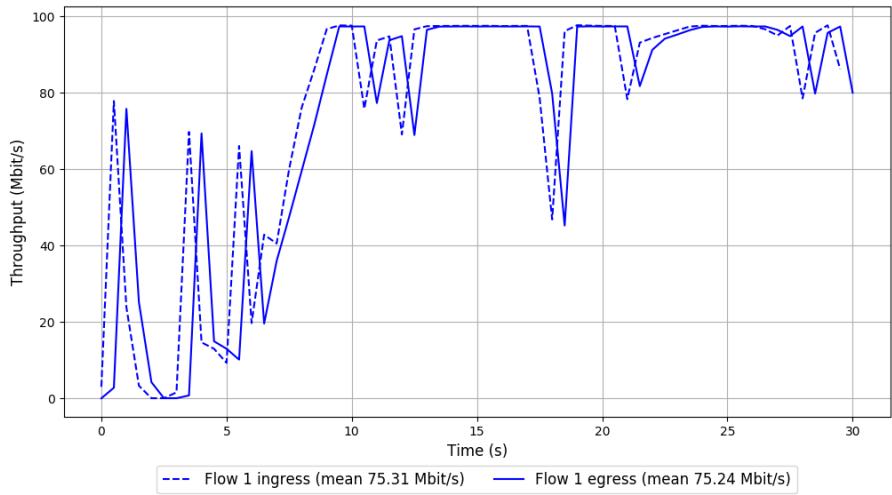


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-25 04:15:01
End at: 2018-05-25 04:15:31
Local clock offset: 0.551 ms
Remote clock offset: 2.847 ms

# Below is generated by plot.py at 2018-05-25 05:07:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 40.074 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 40.074 ms
Loss rate: 0.29%
```

Run 9: Report of QUIC Cubic — Data Link

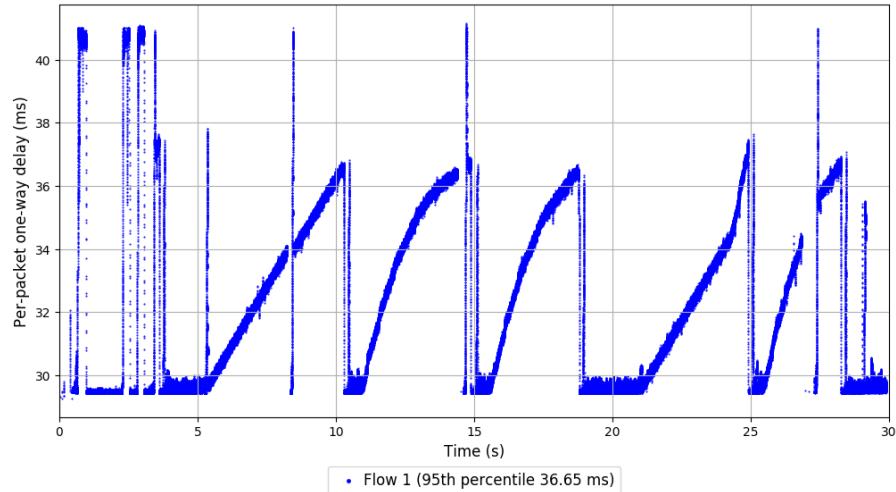
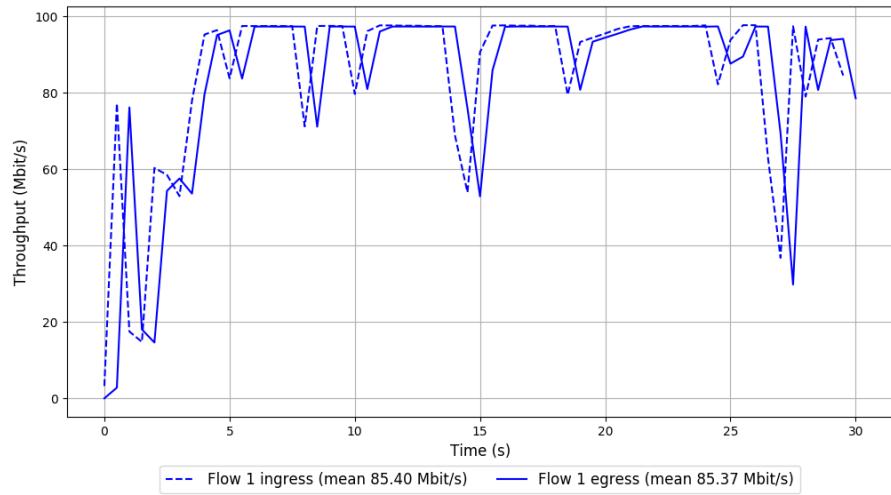


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-25 04:35:50
End at: 2018-05-25 04:36:20
Local clock offset: 0.13 ms
Remote clock offset: 2.897 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 36.650 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 36.650 ms
Loss rate: 0.23%
```

Run 10: Report of QUIC Cubic — Data Link

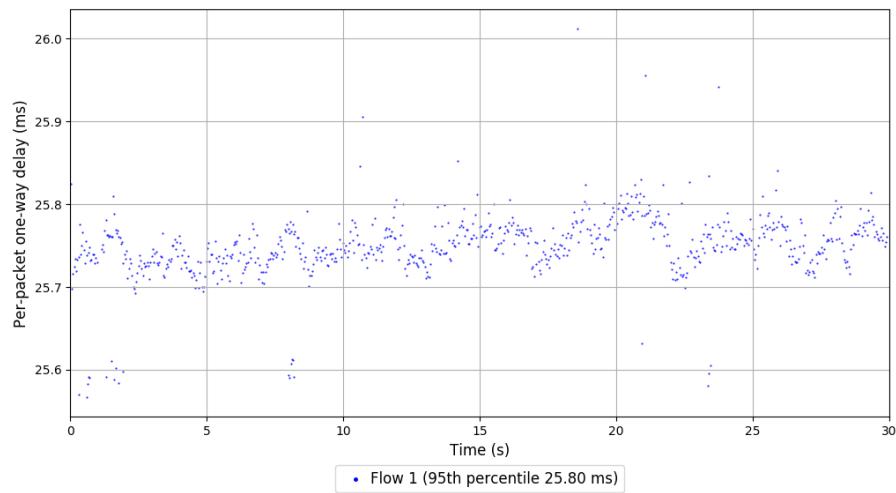
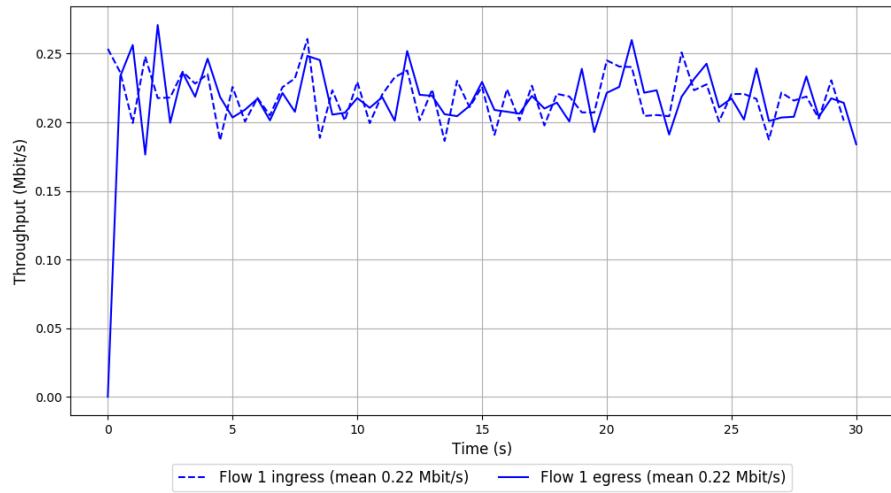


Run 1: Statistics of SCReAM

```
Start at: 2018-05-25 01:38:40
End at: 2018-05-25 01:39:11
Local clock offset: 0.427 ms
Remote clock offset: 2.994 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.800 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.800 ms
Loss rate: 0.26%
```

Run 1: Report of SCReAM — Data Link

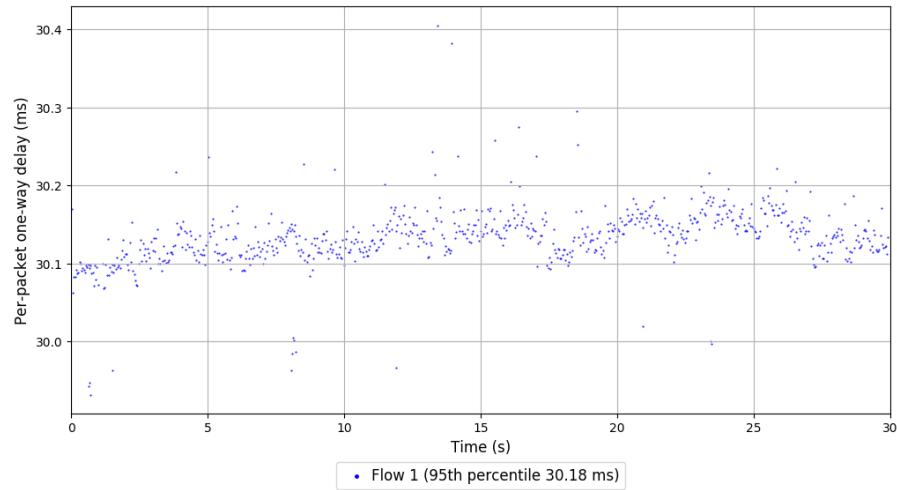
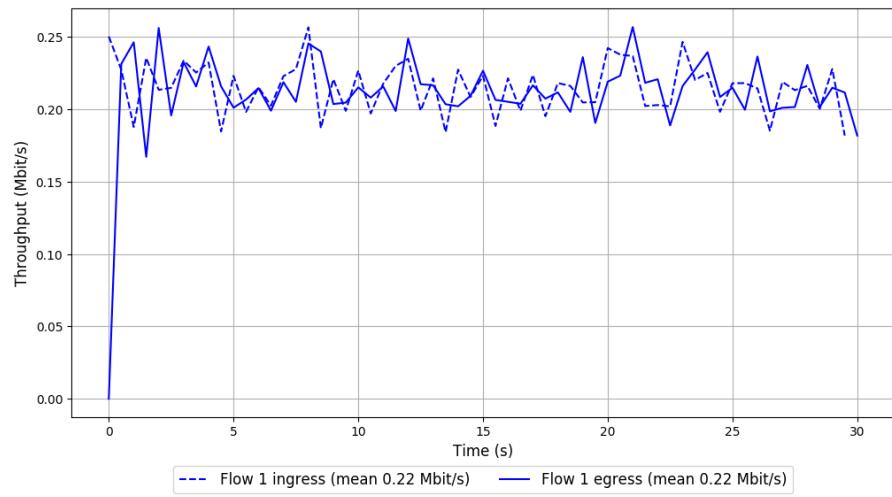


Run 2: Statistics of SCReAM

```
Start at: 2018-05-25 01:59:27
End at: 2018-05-25 01:59:57
Local clock offset: 0.334 ms
Remote clock offset: 3.747 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.180 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.180 ms
Loss rate: 0.13%
```

Run 2: Report of SCReAM — Data Link

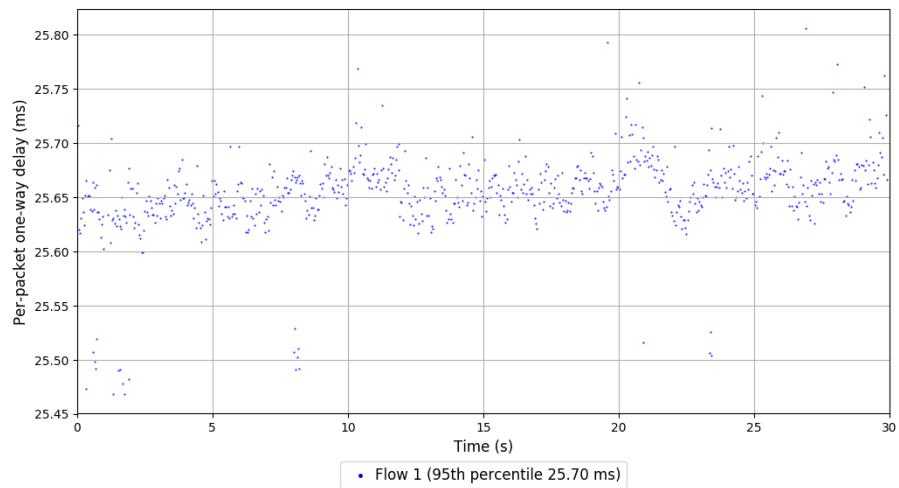
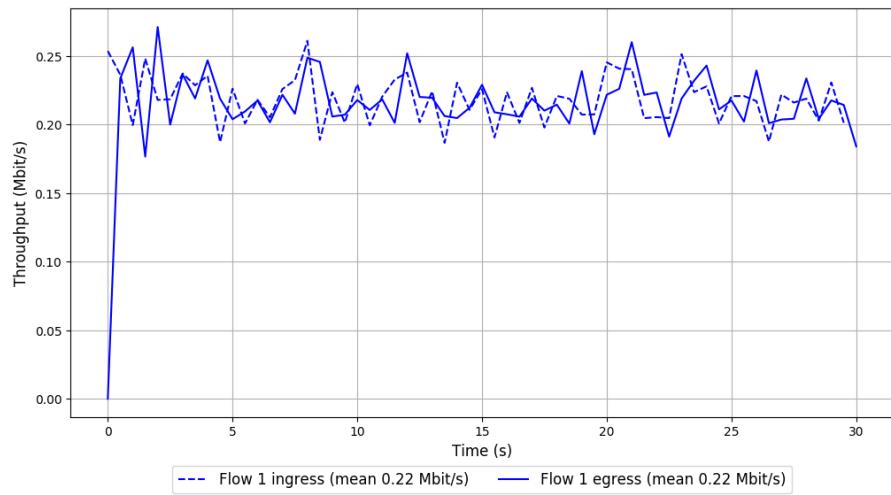


Run 3: Statistics of SCReAM

```
Start at: 2018-05-25 02:20:13
End at: 2018-05-25 02:20:43
Local clock offset: 0.296 ms
Remote clock offset: 3.571 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.698 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.698 ms
Loss rate: 0.26%
```

Run 3: Report of SCReAM — Data Link

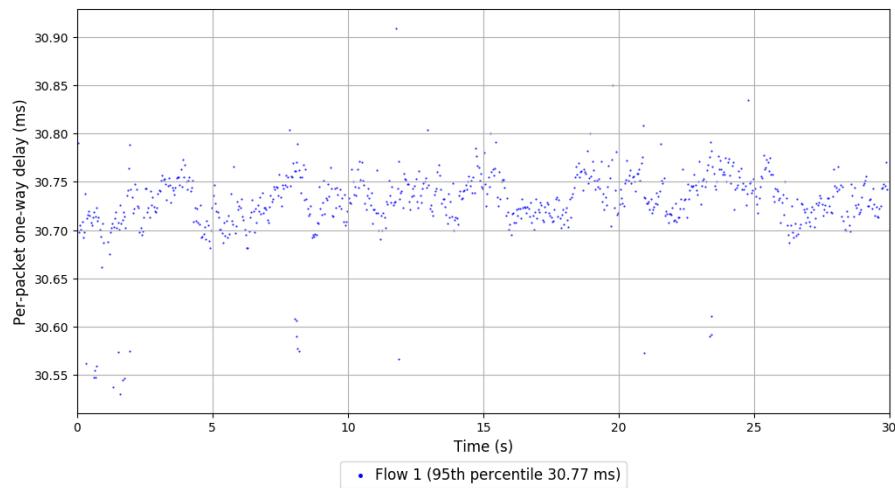
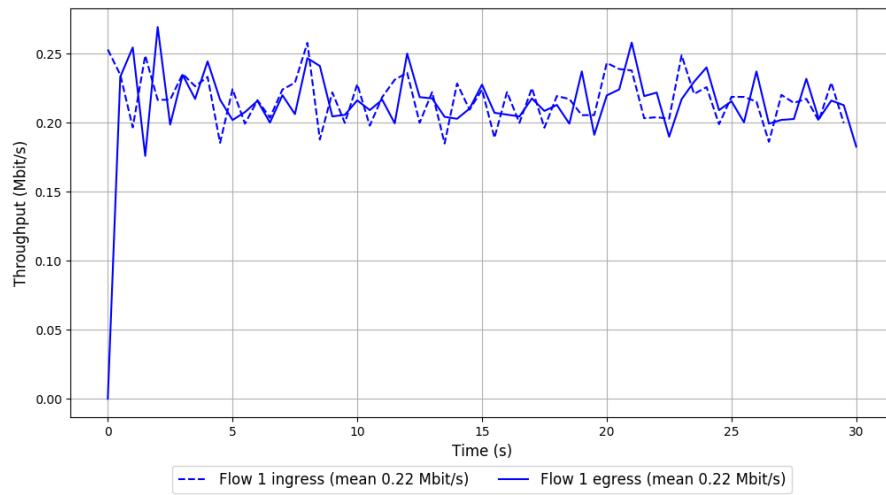


Run 4: Statistics of SCReAM

```
Start at: 2018-05-25 02:41:00
End at: 2018-05-25 02:41:30
Local clock offset: 0.1 ms
Remote clock offset: 3.203 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.770 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.770 ms
Loss rate: 0.26%
```

Run 4: Report of SCReAM — Data Link

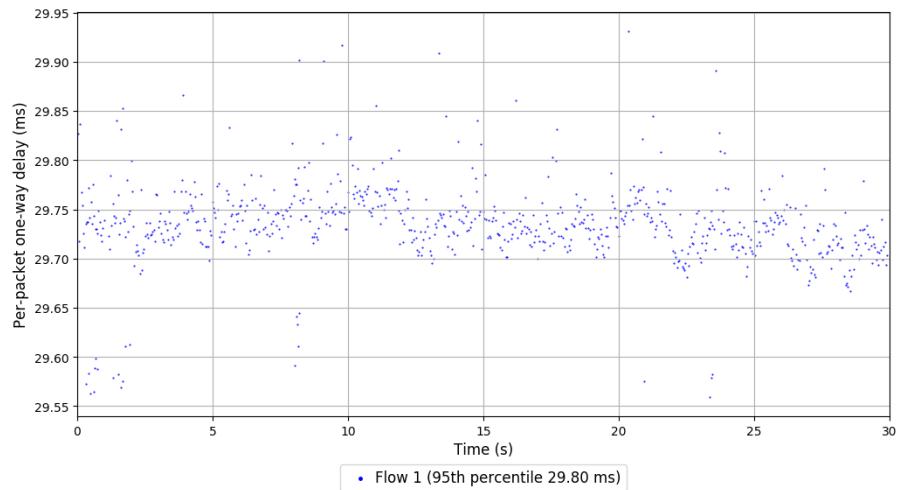
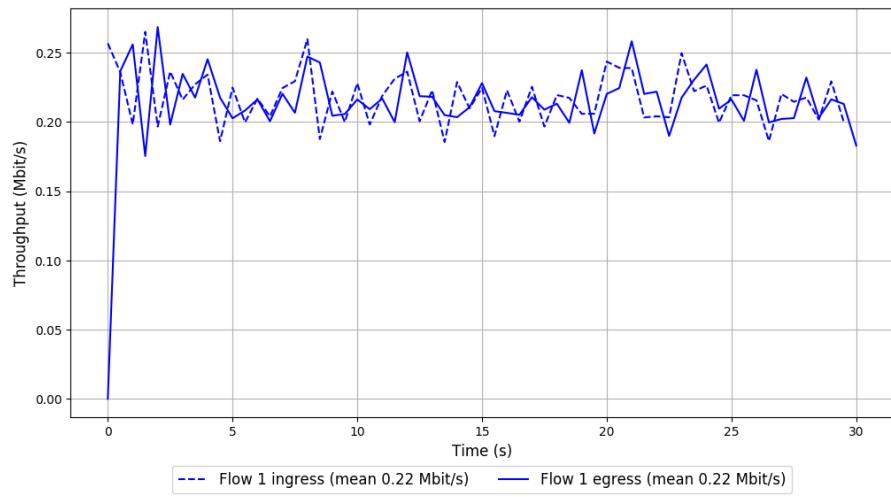


Run 5: Statistics of SCReAM

```
Start at: 2018-05-25 03:01:49
End at: 2018-05-25 03:02:19
Local clock offset: 0.077 ms
Remote clock offset: 2.735 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.795 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.795 ms
Loss rate: 0.26%
```

Run 5: Report of SCReAM — Data Link

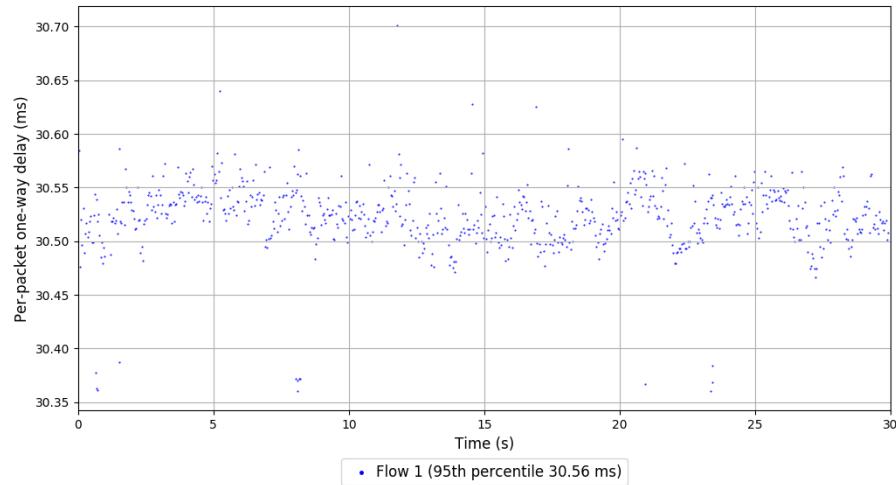
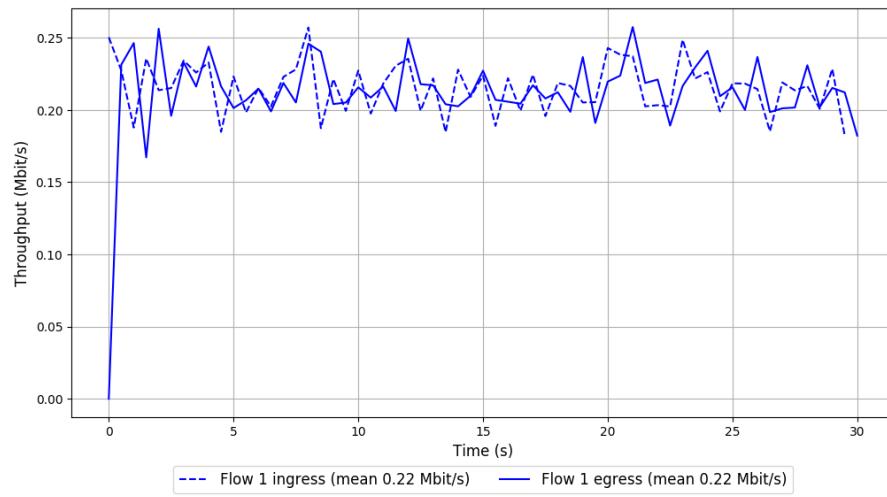


Run 6: Statistics of SCReAM

```
Start at: 2018-05-25 03:22:54
End at: 2018-05-25 03:23:24
Local clock offset: 0.166 ms
Remote clock offset: 2.138 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.564 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.564 ms
Loss rate: 0.13%
```

Run 6: Report of SCReAM — Data Link

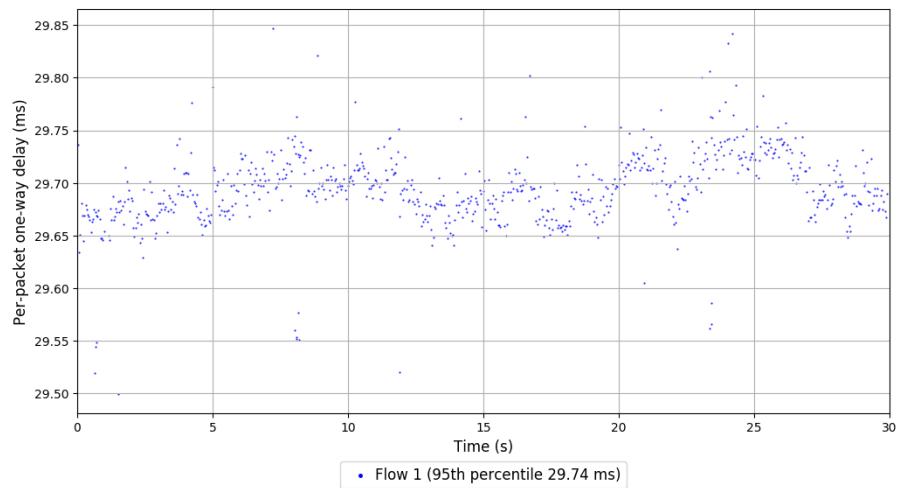
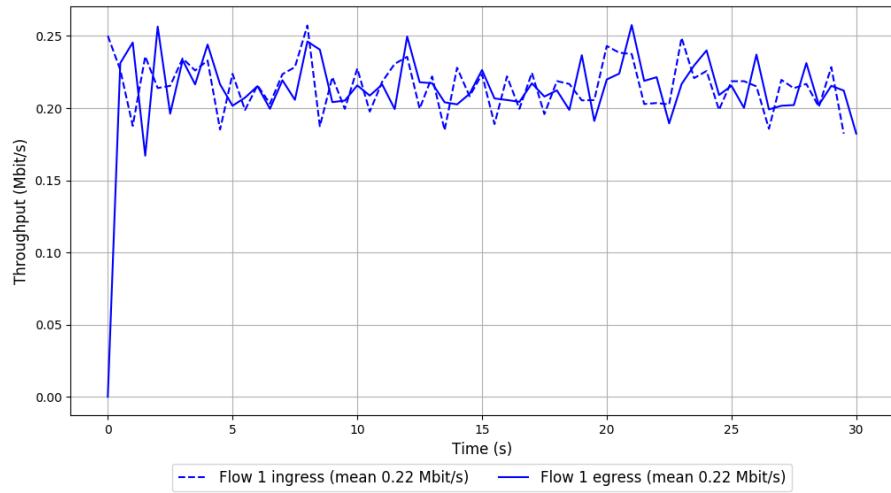


Run 7: Statistics of SCReAM

```
Start at: 2018-05-25 03:43:38
End at: 2018-05-25 03:44:08
Local clock offset: -0.029 ms
Remote clock offset: 2.119 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.743 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.743 ms
Loss rate: 0.13%
```

Run 7: Report of SCReAM — Data Link

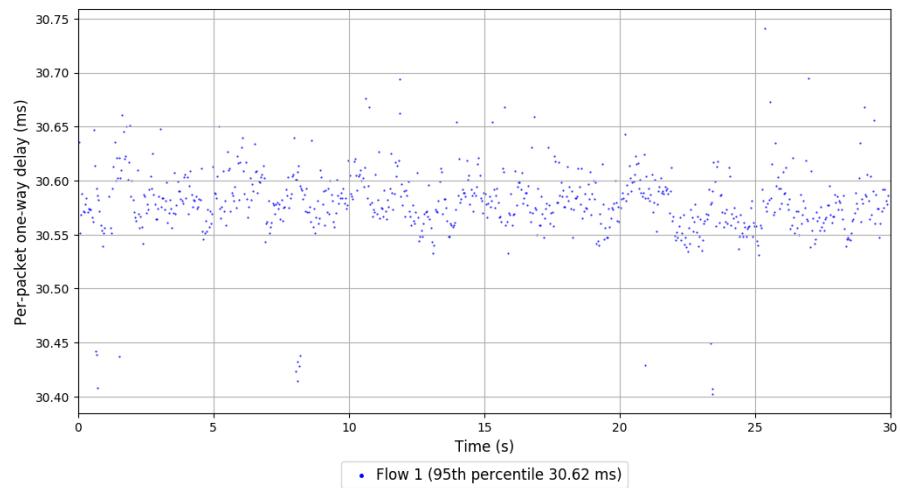
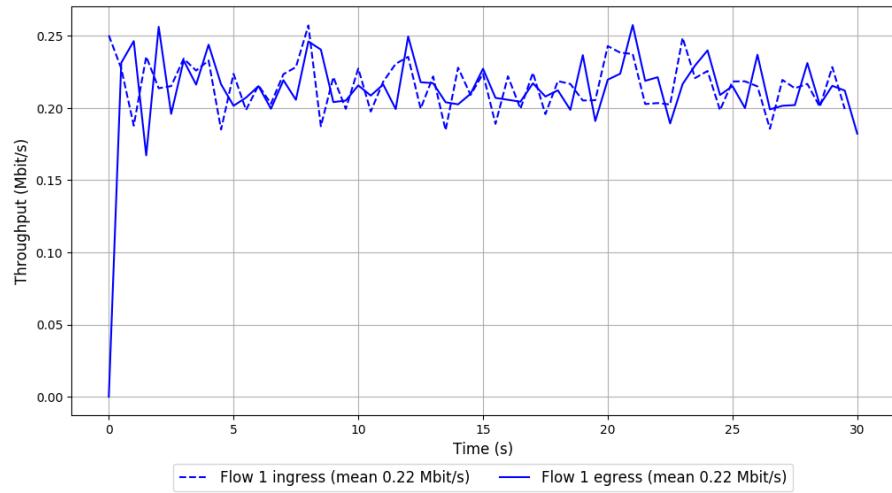


Run 8: Statistics of SCReAM

```
Start at: 2018-05-25 04:04:37
End at: 2018-05-25 04:05:07
Local clock offset: 0.44 ms
Remote clock offset: 2.011 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.623 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.623 ms
Loss rate: 0.26%
```

Run 8: Report of SCReAM — Data Link

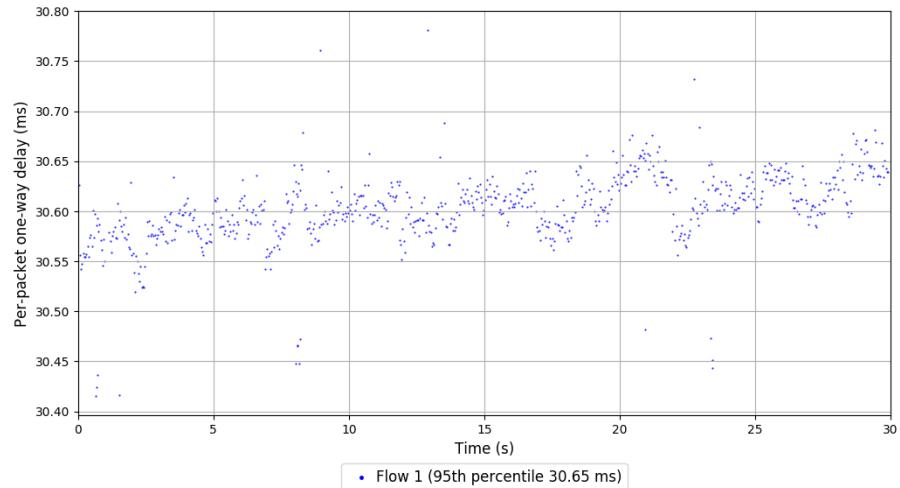
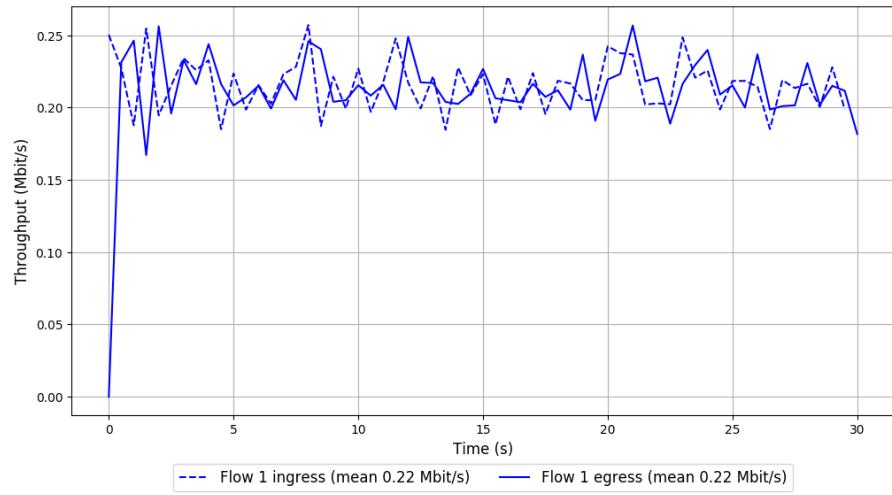


Run 9: Statistics of SCReAM

```
Start at: 2018-05-25 04:25:26
End at: 2018-05-25 04:25:56
Local clock offset: 0.657 ms
Remote clock offset: 2.442 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.651 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.651 ms
Loss rate: 0.26%
```

Run 9: Report of SCReAM — Data Link

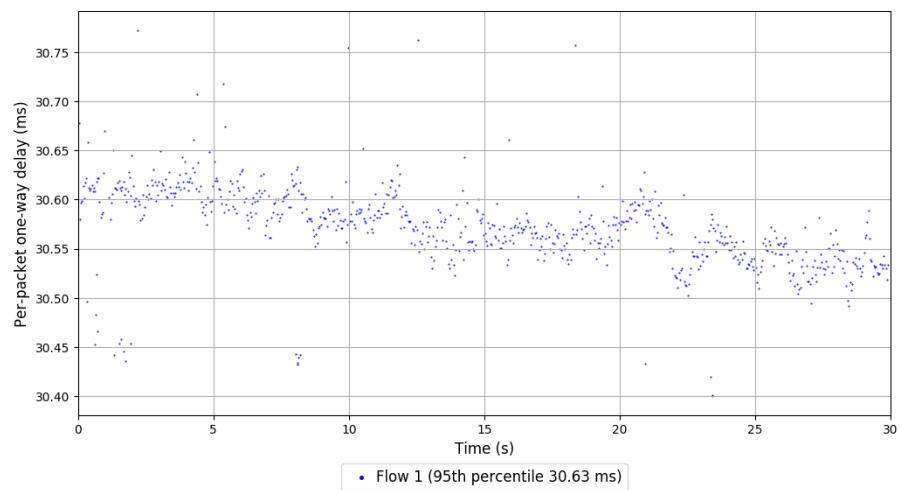
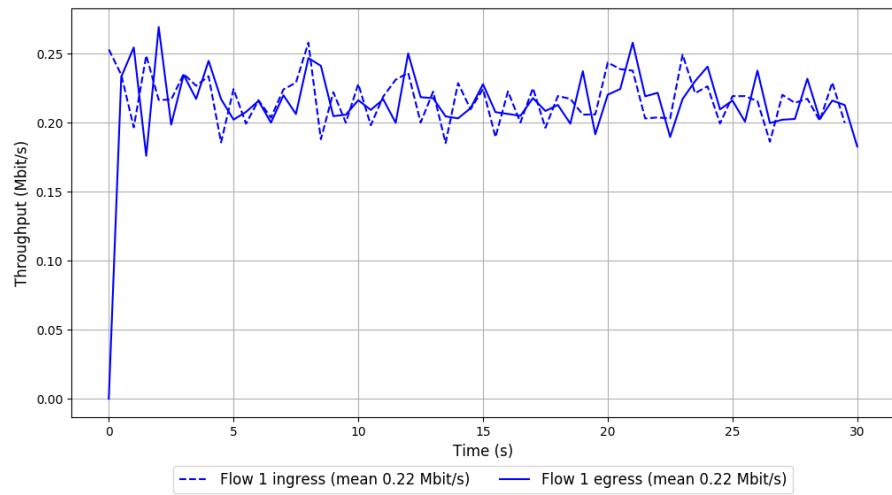


Run 10: Statistics of SCReAM

```
Start at: 2018-05-25 04:46:15
End at: 2018-05-25 04:46:45
Local clock offset: -0.162 ms
Remote clock offset: 0.553 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.626 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.626 ms
Loss rate: 0.26%
```

Run 10: Report of SCReAM — Data Link

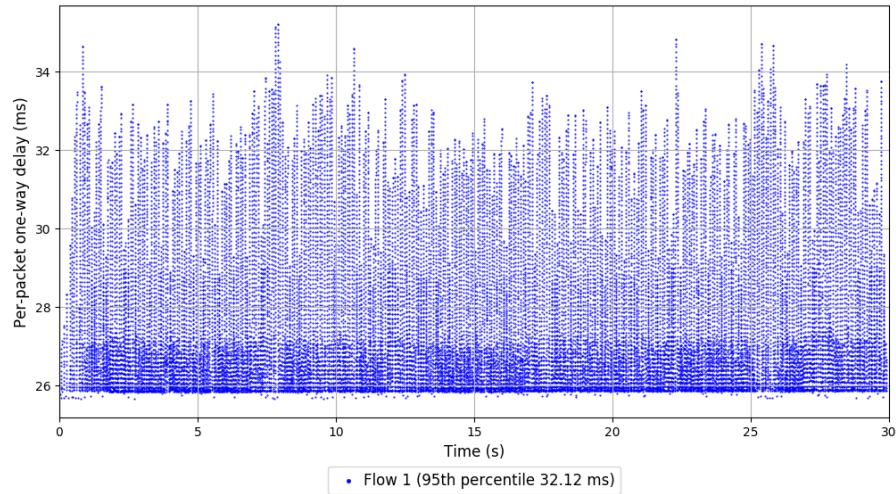
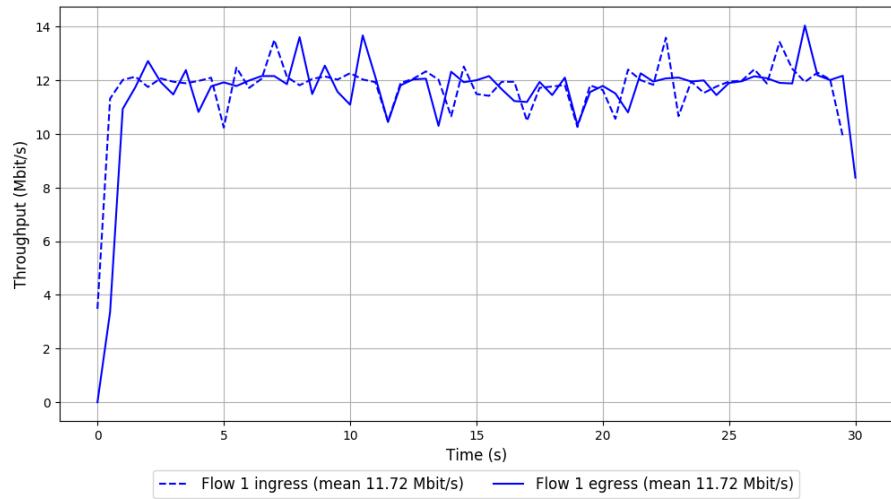


Run 1: Statistics of Sprout

```
Start at: 2018-05-25 01:29:37
End at: 2018-05-25 01:30:07
Local clock offset: 0.742 ms
Remote clock offset: 2.906 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 0.24%
```

Run 1: Report of Sprout — Data Link

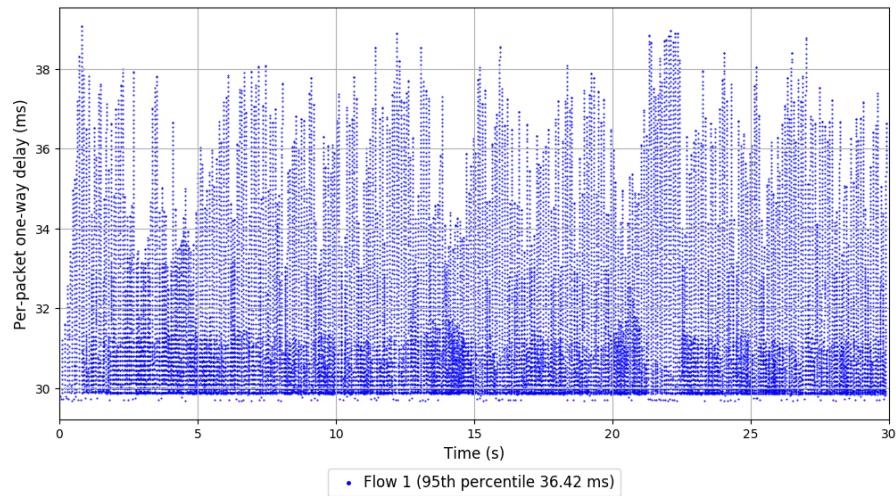
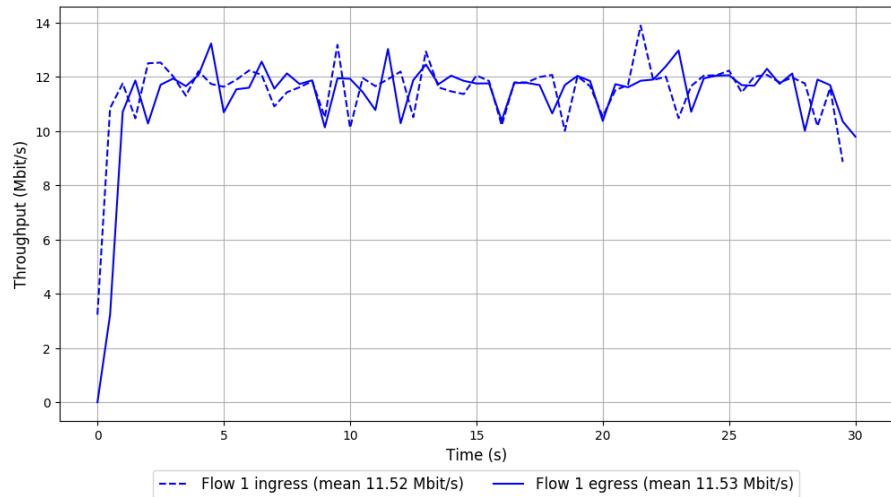


Run 2: Statistics of Sprout

```
Start at: 2018-05-25 01:50:22
End at: 2018-05-25 01:50:52
Local clock offset: 0.498 ms
Remote clock offset: 3.197 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 36.421 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 36.421 ms
Loss rate: 0.09%
```

Run 2: Report of Sprout — Data Link

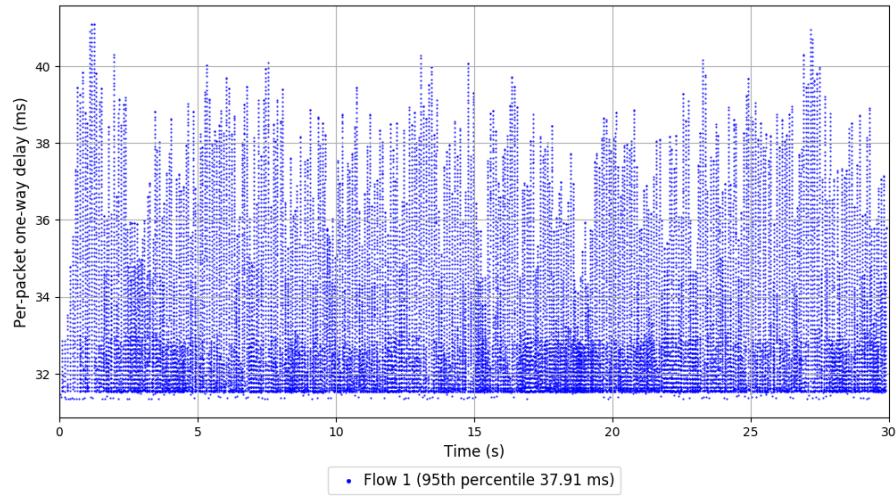
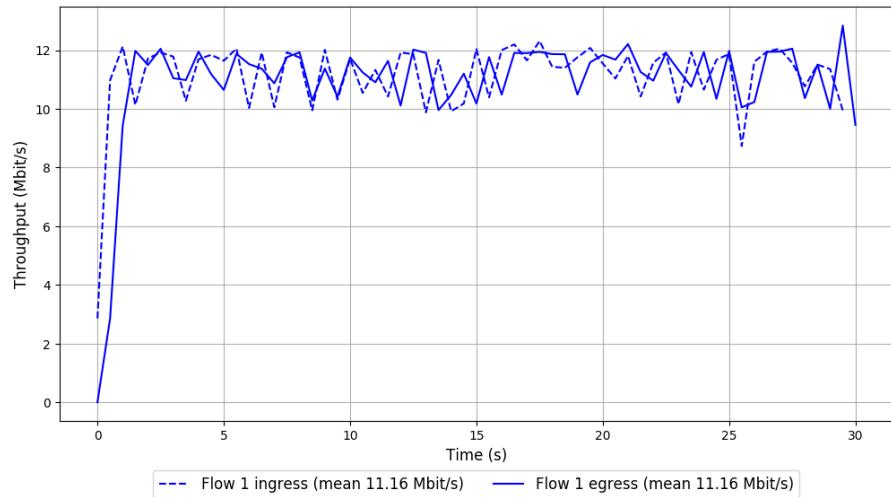


Run 3: Statistics of Sprout

```
Start at: 2018-05-25 02:11:09
End at: 2018-05-25 02:11:39
Local clock offset: 0.355 ms
Remote clock offset: 3.372 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 37.912 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 37.912 ms
Loss rate: 0.15%
```

Run 3: Report of Sprout — Data Link

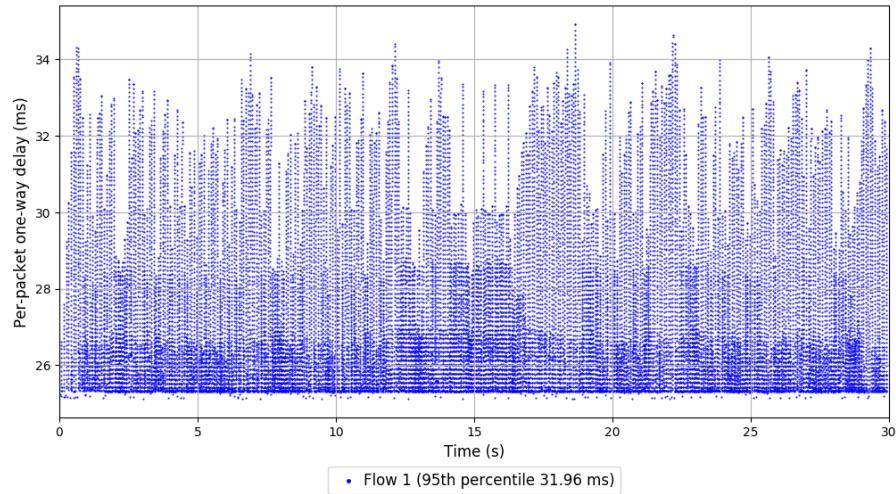
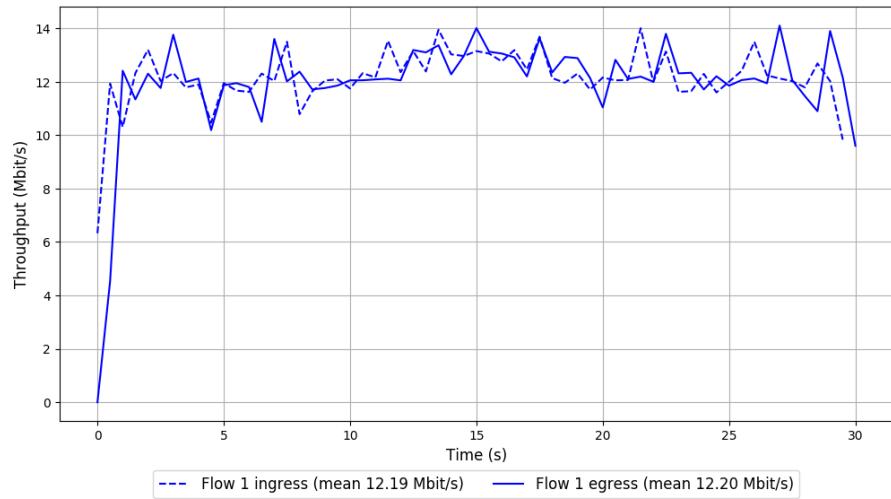


Run 4: Statistics of Sprout

```
Start at: 2018-05-25 02:31:55
End at: 2018-05-25 02:32:25
Local clock offset: 0.178 ms
Remote clock offset: 3.704 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 31.957 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 31.957 ms
Loss rate: 0.05%
```

Run 4: Report of Sprout — Data Link

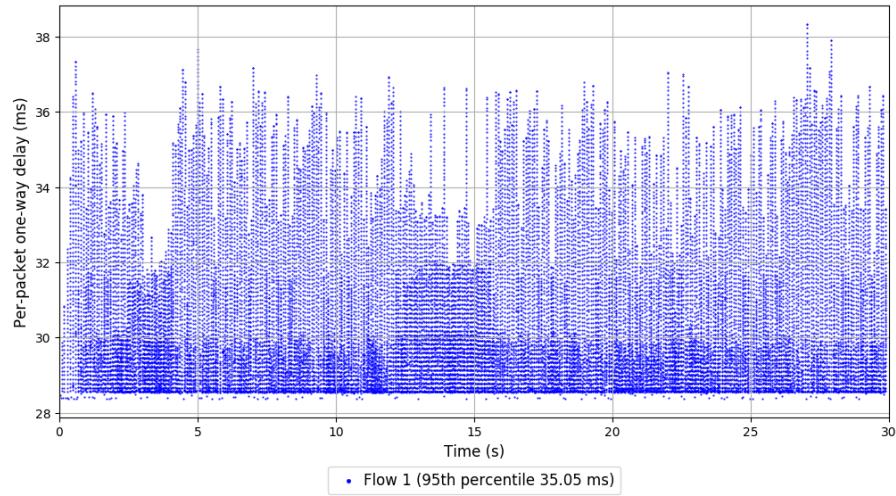
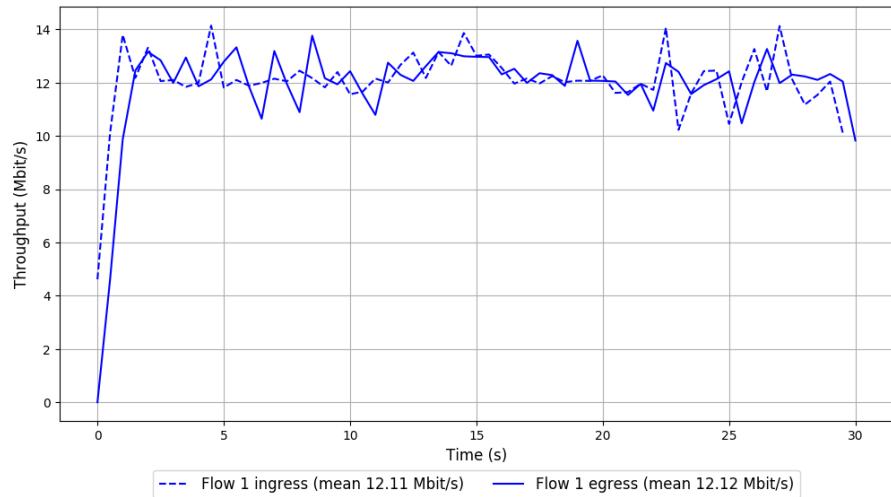


Run 5: Statistics of Sprout

```
Start at: 2018-05-25 02:52:43
End at: 2018-05-25 02:53:13
Local clock offset: 0.13 ms
Remote clock offset: 1.165 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 35.053 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 35.053 ms
Loss rate: 0.04%
```

Run 5: Report of Sprout — Data Link

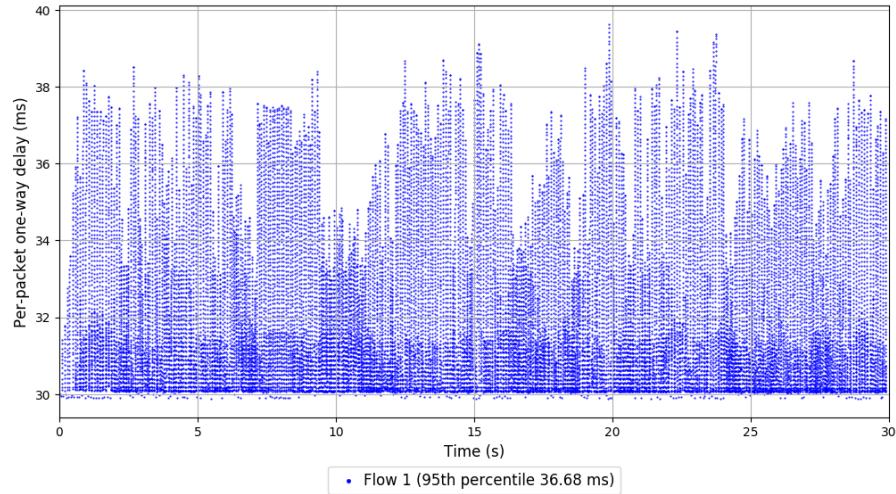
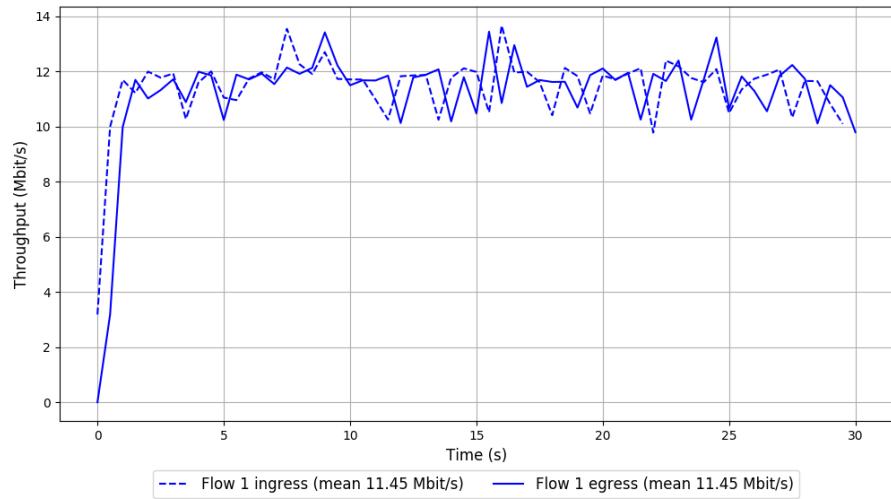


Run 6: Statistics of Sprout

```
Start at: 2018-05-25 03:13:33
End at: 2018-05-25 03:14:03
Local clock offset: 0.147 ms
Remote clock offset: 2.481 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 36.683 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 36.683 ms
Loss rate: 0.28%
```

Run 6: Report of Sprout — Data Link

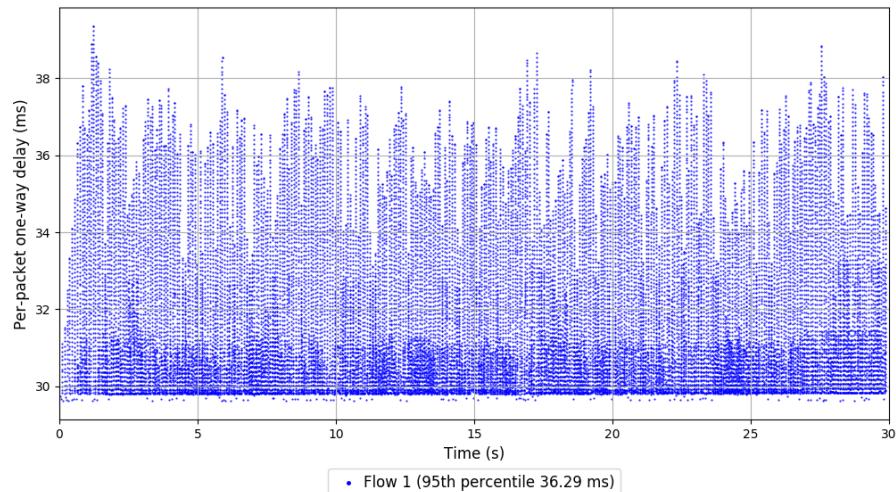
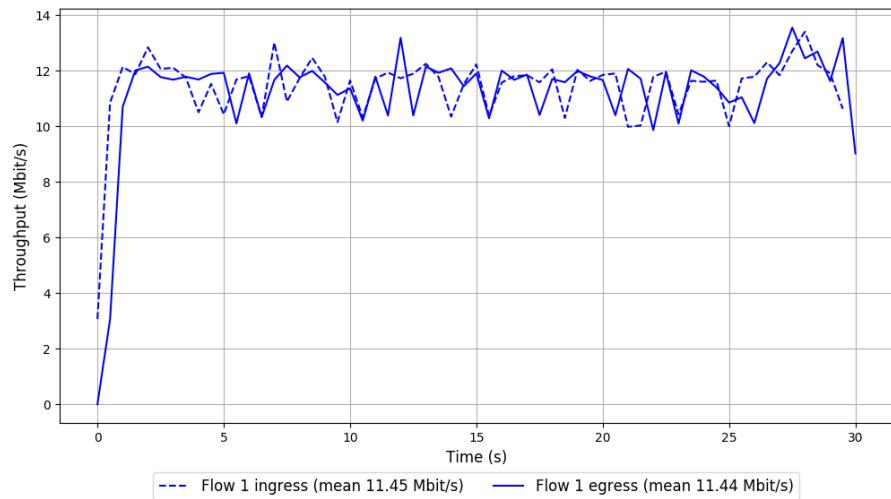


Run 7: Statistics of Sprout

```
Start at: 2018-05-25 03:34:36
End at: 2018-05-25 03:35:06
Local clock offset: 0.001 ms
Remote clock offset: 1.735 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 36.286 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 36.286 ms
Loss rate: 0.29%
```

Run 7: Report of Sprout — Data Link

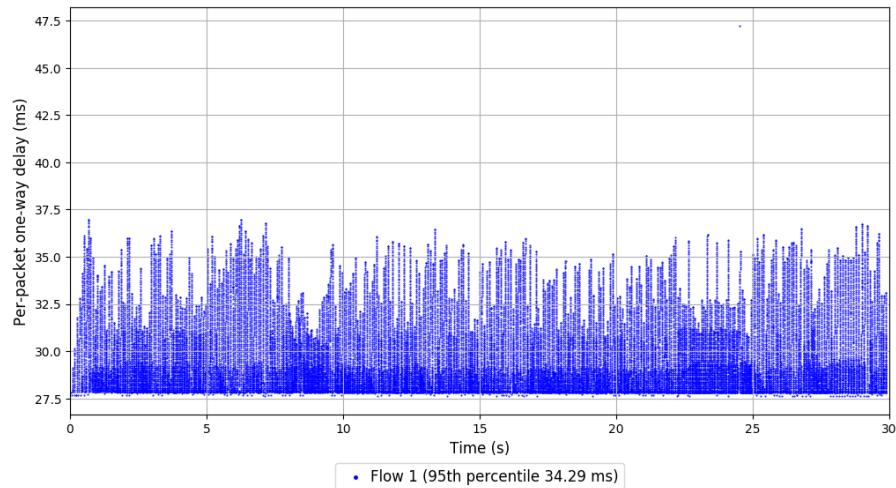
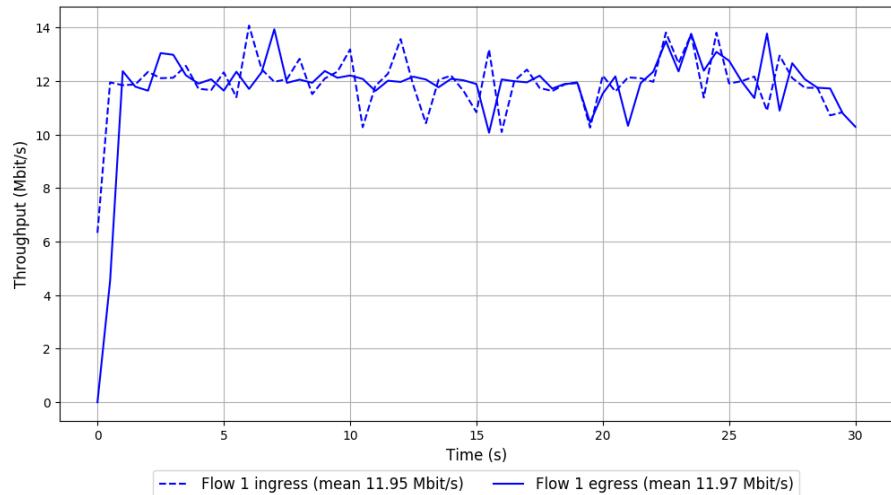


Run 8: Statistics of Sprout

```
Start at: 2018-05-25 03:55:18
End at: 2018-05-25 03:55:48
Local clock offset: 0.054 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 34.292 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 34.292 ms
Loss rate: 0.12%
```

Run 8: Report of Sprout — Data Link

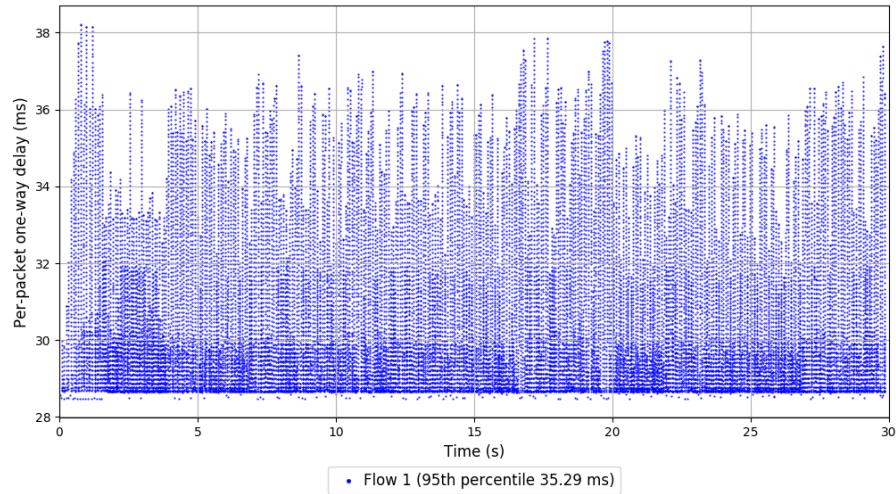
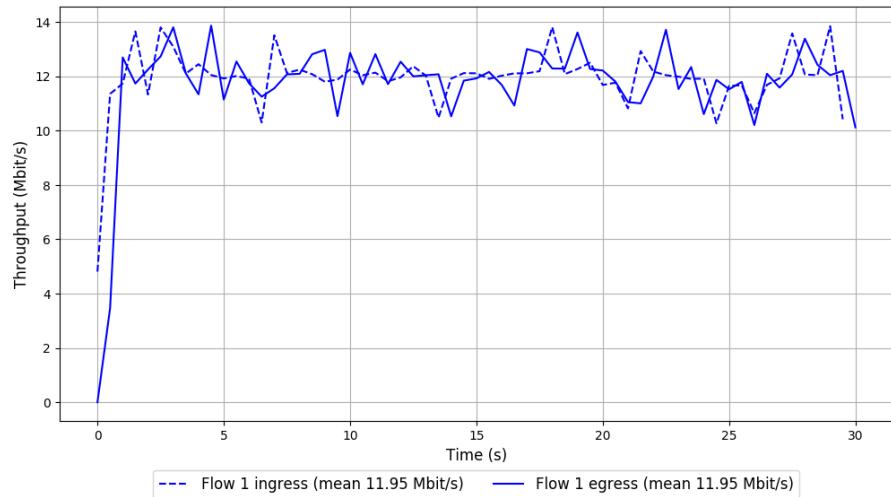


Run 9: Statistics of Sprout

```
Start at: 2018-05-25 04:16:20
End at: 2018-05-25 04:16:50
Local clock offset: 0.649 ms
Remote clock offset: 0.243 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 35.292 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 35.292 ms
Loss rate: 0.27%
```

Run 9: Report of Sprout — Data Link

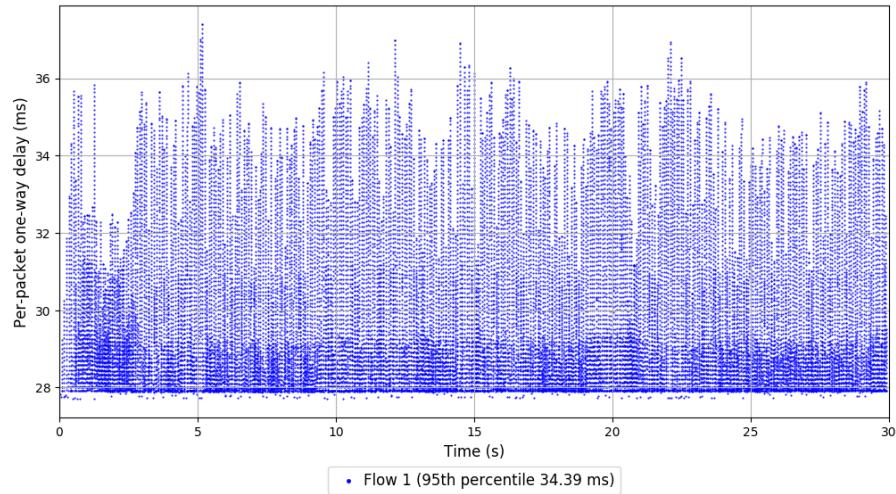
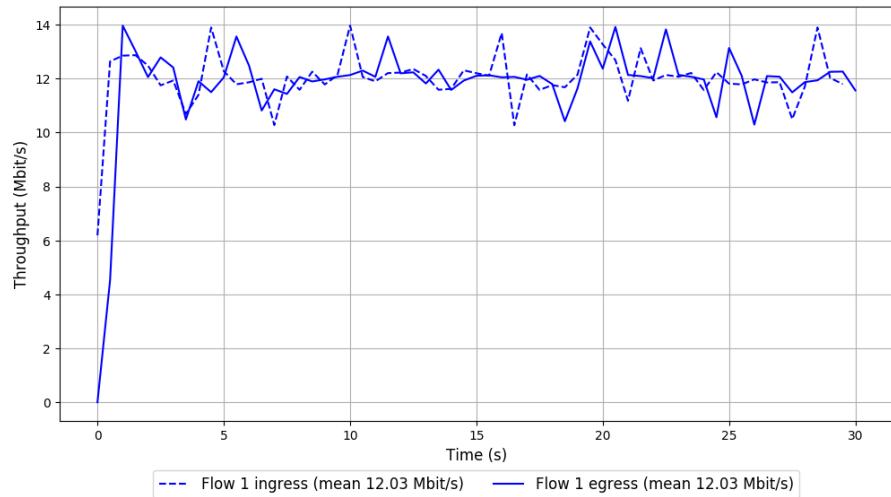


Run 10: Statistics of Sprout

```
Start at: 2018-05-25 04:37:09
End at: 2018-05-25 04:37:39
Local clock offset: 0.1 ms
Remote clock offset: 0.401 ms

# Below is generated by plot.py at 2018-05-25 05:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 34.387 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 34.387 ms
Loss rate: 0.23%
```

Run 10: Report of Sprout — Data Link

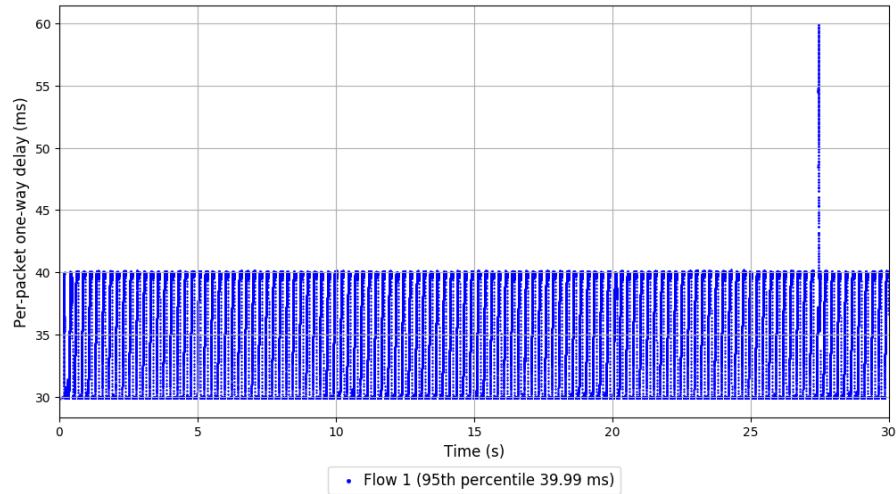
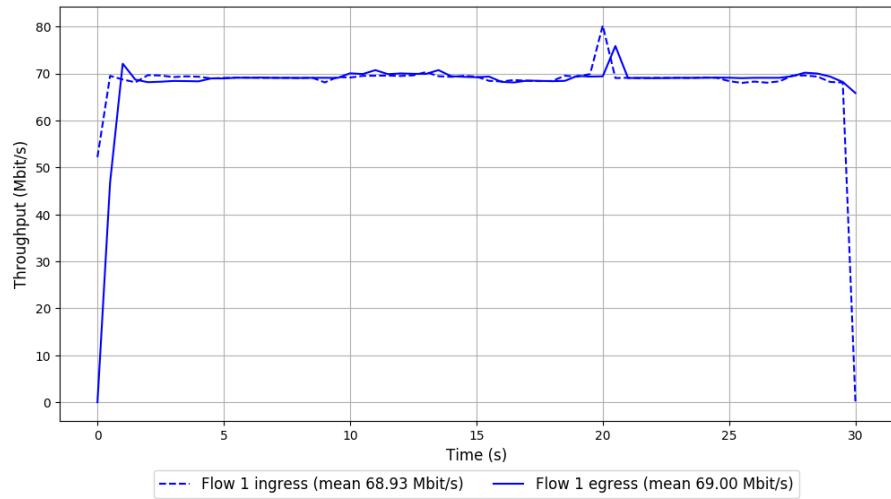


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-25 01:26:59
End at: 2018-05-25 01:27:29
Local clock offset: 0.879 ms
Remote clock offset: 2.916 ms

# Below is generated by plot.py at 2018-05-25 05:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 39.990 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 39.990 ms
Loss rate: 0.10%
```

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

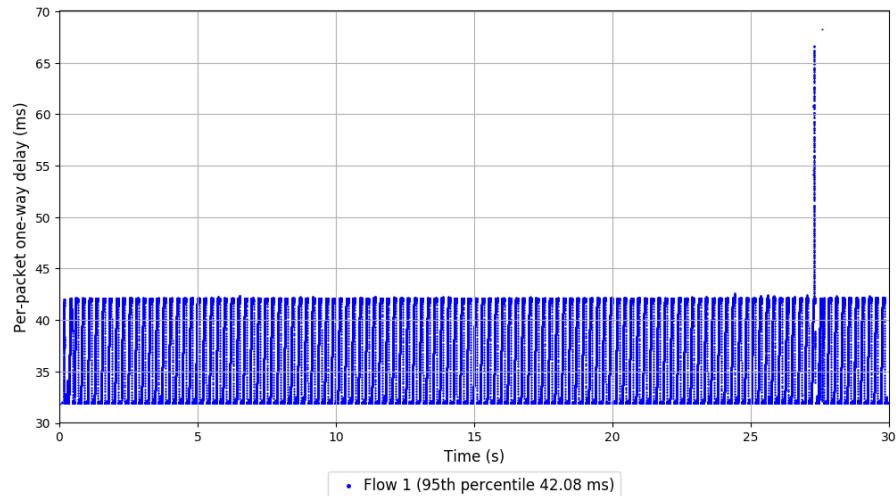
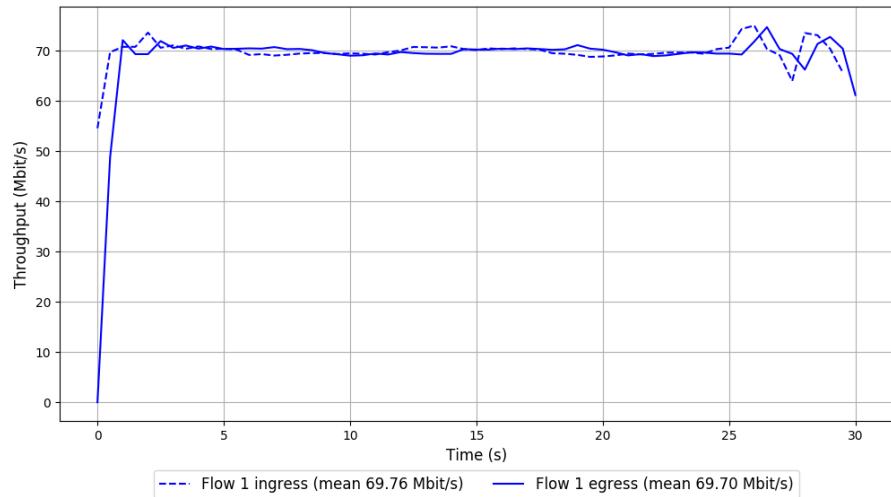


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-25 01:47:44
End at: 2018-05-25 01:48:14
Local clock offset: 0.514 ms
Remote clock offset: 1.145 ms

# Below is generated by plot.py at 2018-05-25 05:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 42.079 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 42.079 ms
Loss rate: 0.30%
```

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

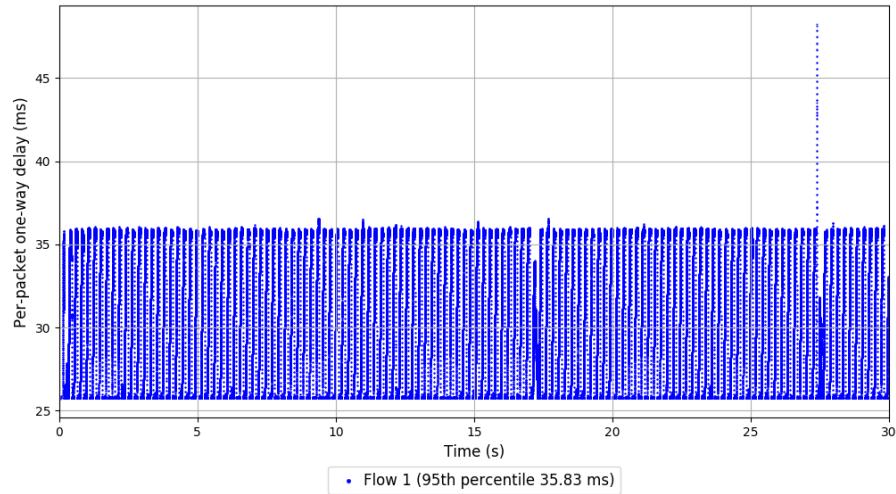
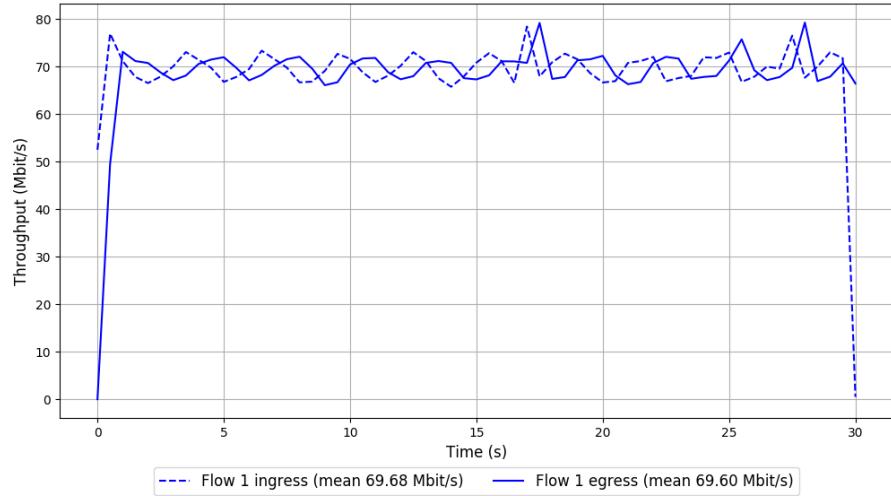


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-25 02:08:30
End at: 2018-05-25 02:09:00
Local clock offset: 0.255 ms
Remote clock offset: 3.307 ms

# Below is generated by plot.py at 2018-05-25 05:08:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 35.831 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 35.831 ms
Loss rate: 0.31%
```

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

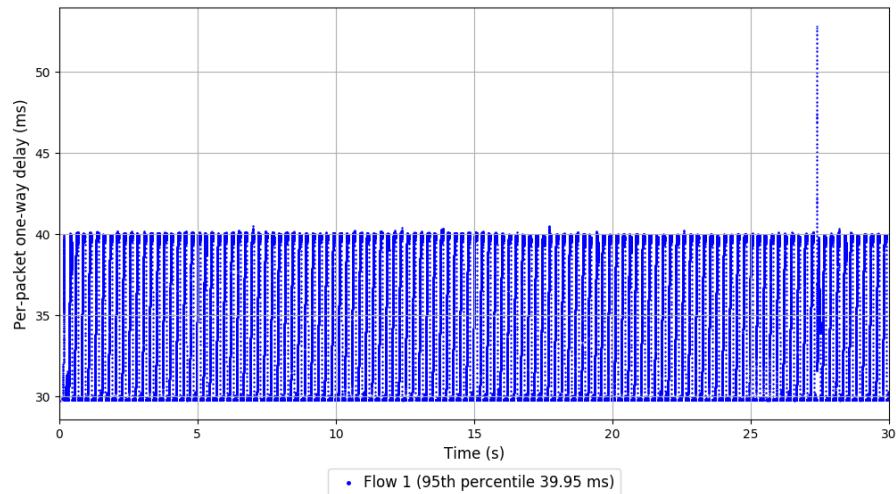
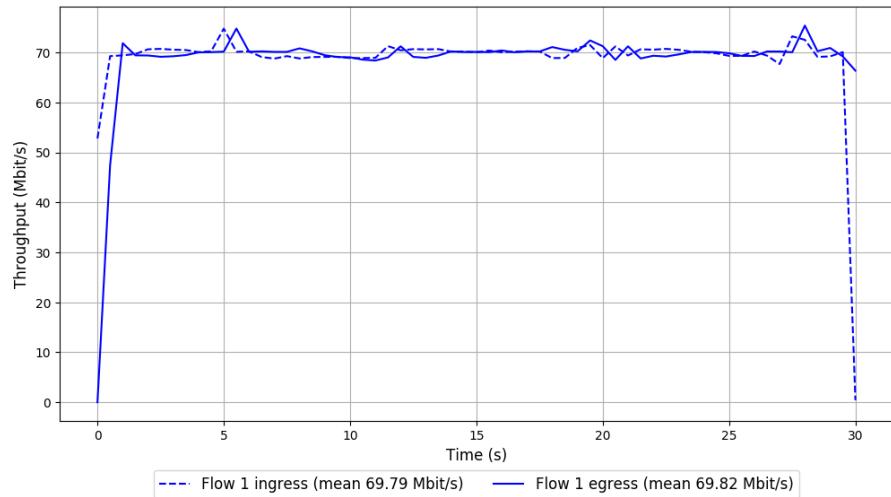


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-25 02:29:16
End at: 2018-05-25 02:29:46
Local clock offset: 0.207 ms
Remote clock offset: 3.338 ms

# Below is generated by plot.py at 2018-05-25 05:08:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 39.949 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 39.949 ms
Loss rate: 0.16%
```

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

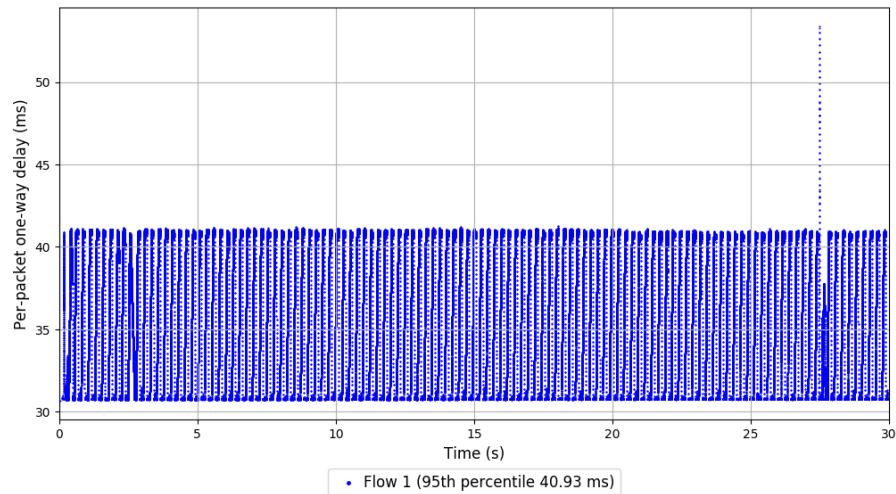
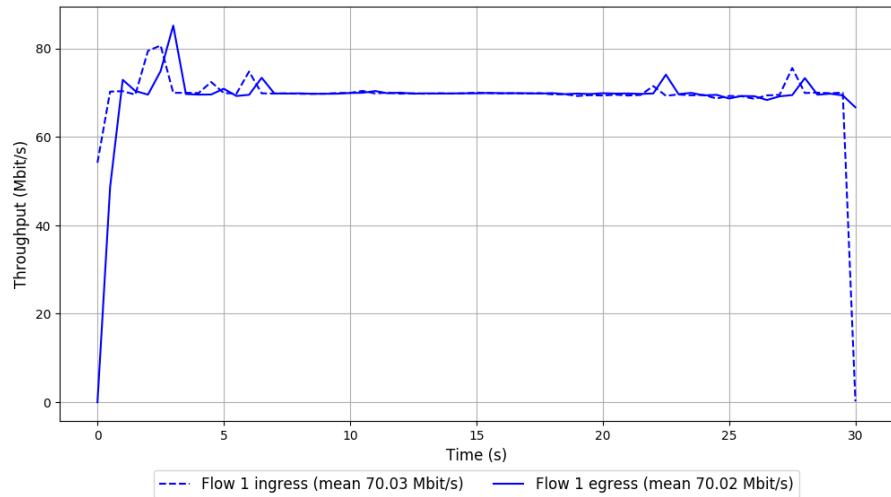


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-25 02:50:04
End at: 2018-05-25 02:50:34
Local clock offset: 0.115 ms
Remote clock offset: 3.29 ms

# Below is generated by plot.py at 2018-05-25 05:08:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 40.929 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 40.929 ms
Loss rate: 0.22%
```

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

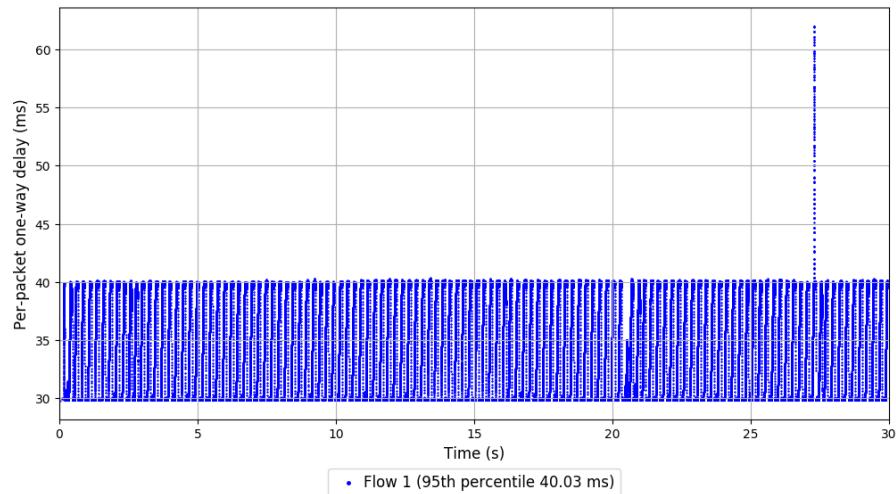
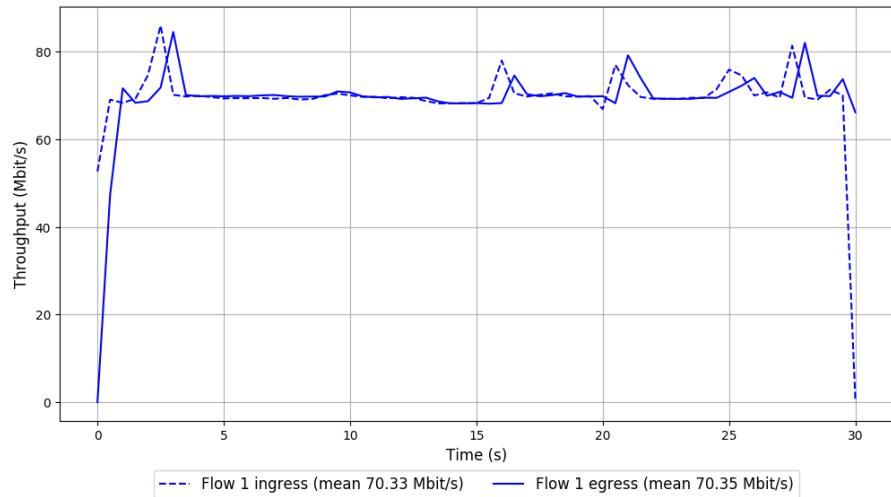


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-25 03:10:53
End at: 2018-05-25 03:11:23
Local clock offset: 0.142 ms
Remote clock offset: 2.075 ms

# Below is generated by plot.py at 2018-05-25 05:08:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 40.034 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 40.034 ms
Loss rate: 0.17%
```

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

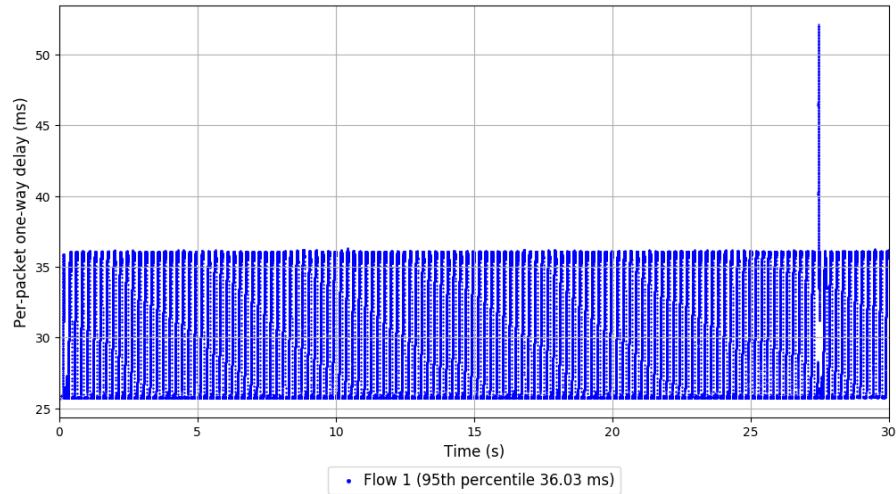
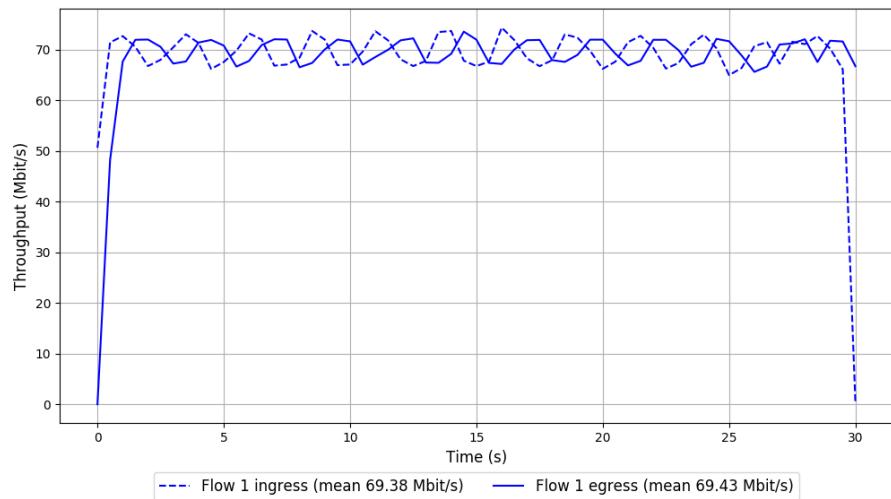


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-25 03:31:58
End at: 2018-05-25 03:32:28
Local clock offset: 0.109 ms
Remote clock offset: 1.641 ms

# Below is generated by plot.py at 2018-05-25 05:08:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 36.028 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 36.028 ms
Loss rate: 0.12%
```

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

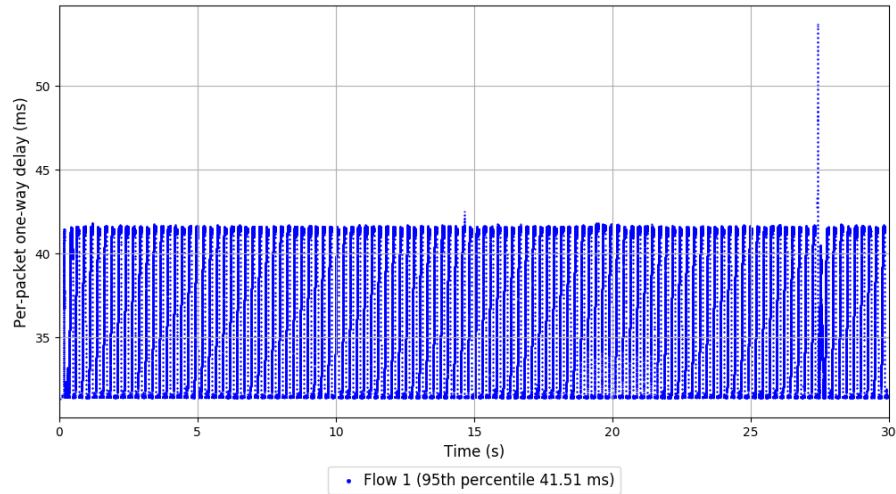
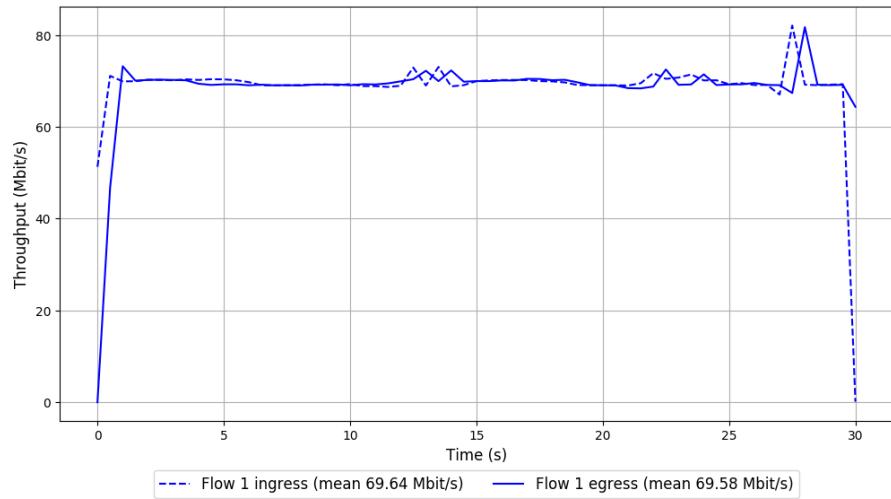


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-25 03:52:40
End at: 2018-05-25 03:53:10
Local clock offset: -0.049 ms
Remote clock offset: 2.03 ms

# Below is generated by plot.py at 2018-05-25 05:08:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.58 Mbit/s
95th percentile per-packet one-way delay: 41.513 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 69.58 Mbit/s
95th percentile per-packet one-way delay: 41.513 ms
Loss rate: 0.31%
```

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

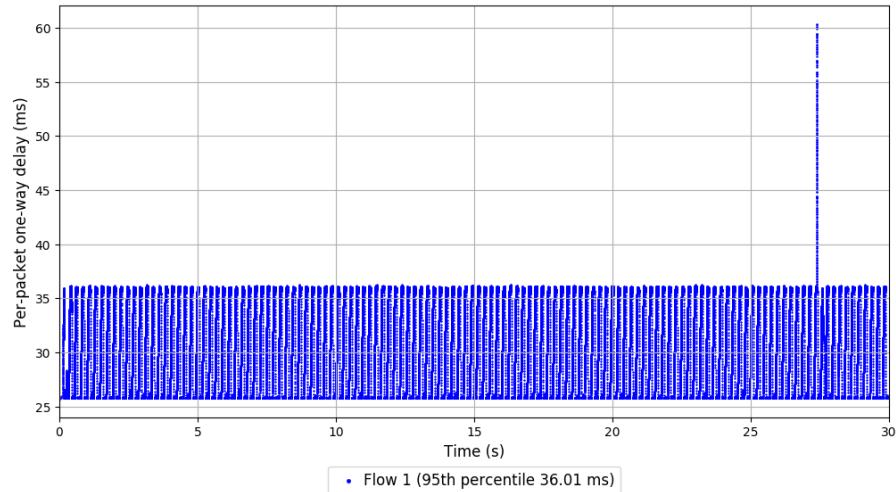
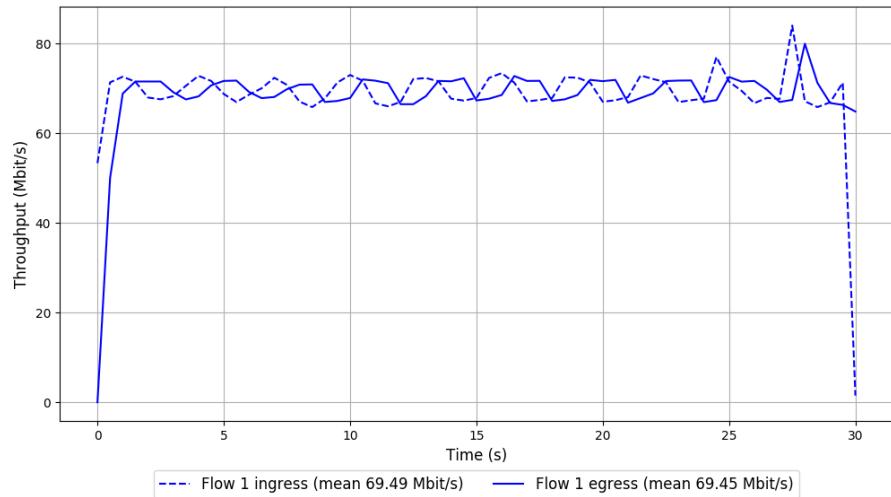


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-25 04:13:41
End at: 2018-05-25 04:14:11
Local clock offset: 0.617 ms
Remote clock offset: 2.333 ms

# Below is generated by plot.py at 2018-05-25 05:09:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 36.009 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 36.009 ms
Loss rate: 0.25%
```

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

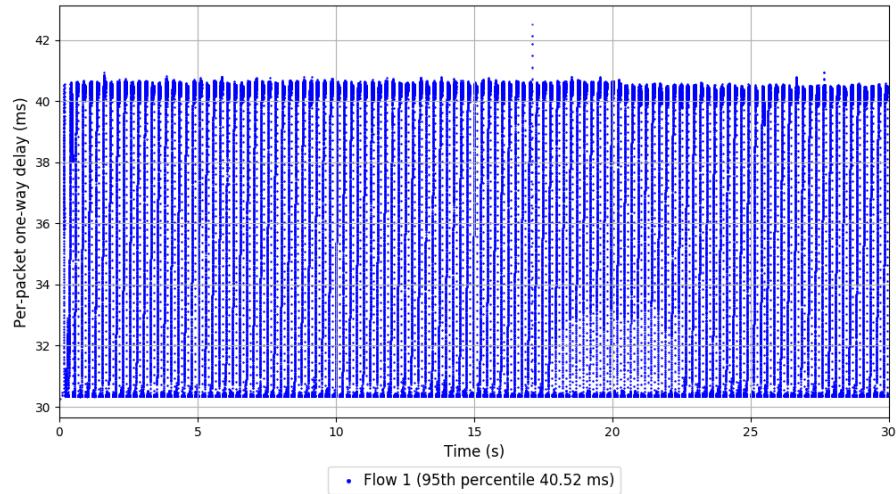
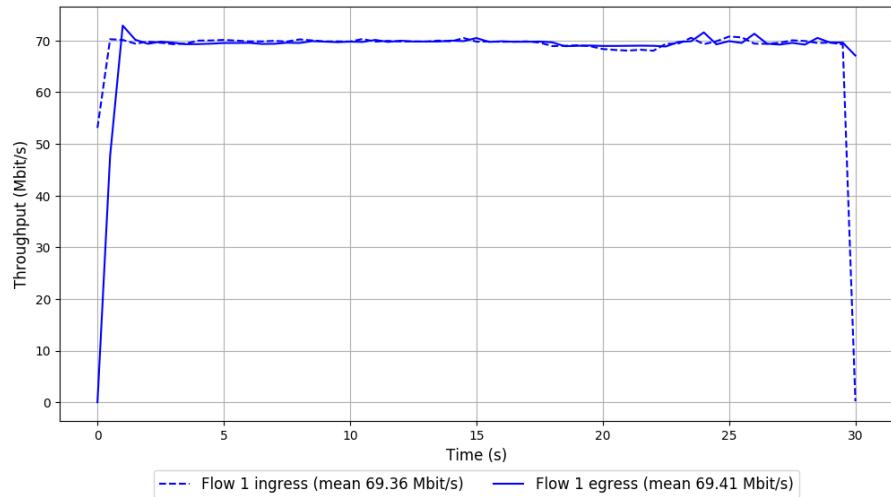


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-25 04:34:30
End at: 2018-05-25 04:35:00
Local clock offset: 0.184 ms
Remote clock offset: 2.925 ms

# Below is generated by plot.py at 2018-05-25 05:09:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 40.525 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 40.525 ms
Loss rate: 0.12%
```

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

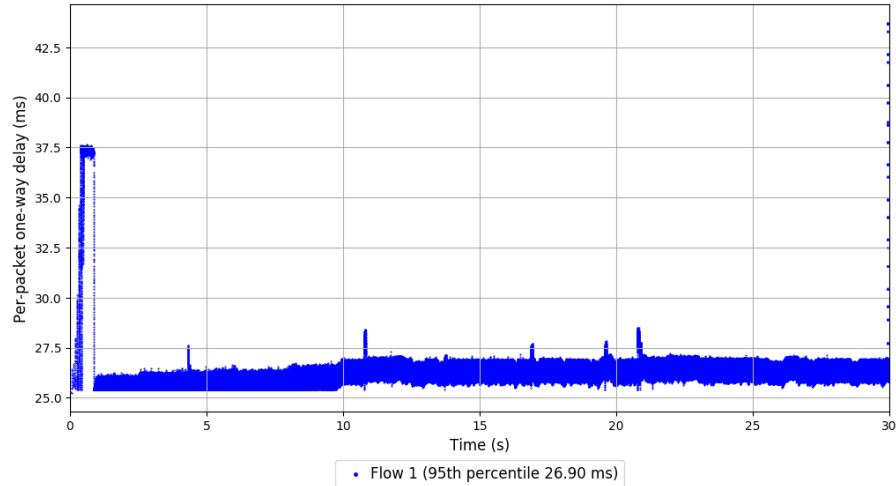
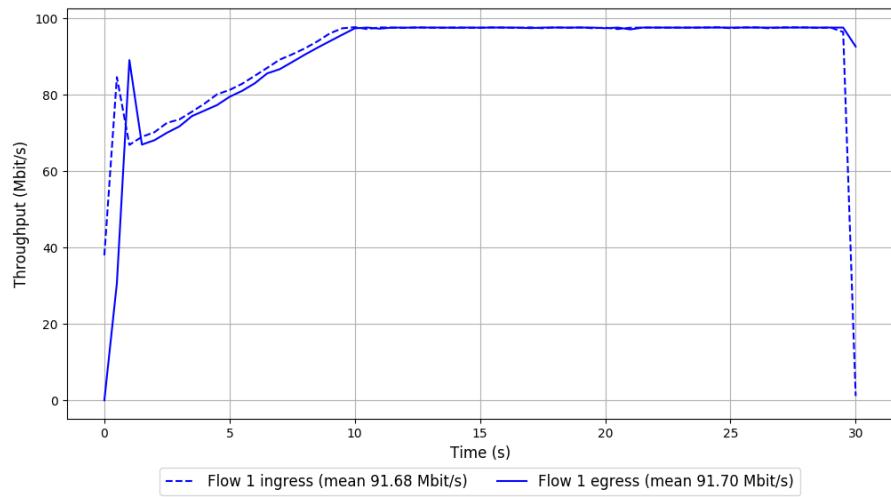


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-25 01:36:05
End at: 2018-05-25 01:36:35
Local clock offset: 0.563 ms
Remote clock offset: 3.382 ms

# Below is generated by plot.py at 2018-05-25 05:09:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 26.901 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 26.901 ms
Loss rate: 0.19%
```

Run 1: Report of TCP Vegas — Data Link

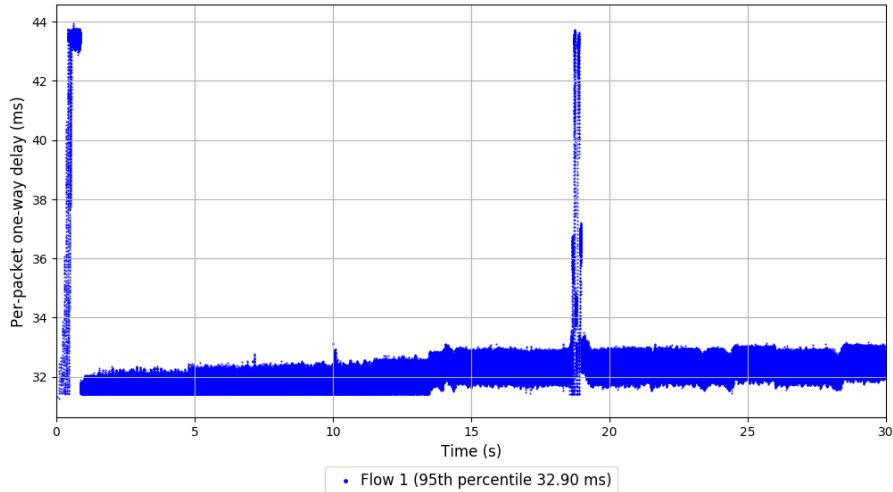
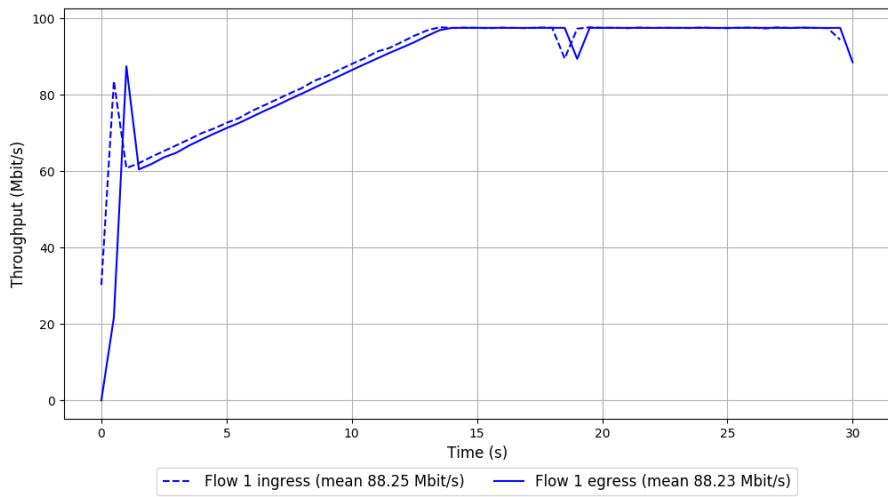


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-25 01:56:50
End at: 2018-05-25 01:57:20
Local clock offset: 0.395 ms
Remote clock offset: 3.175 ms

# Below is generated by plot.py at 2018-05-25 05:09:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 32.897 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 32.897 ms
Loss rate: 0.23%
```

Run 2: Report of TCP Vegas — Data Link

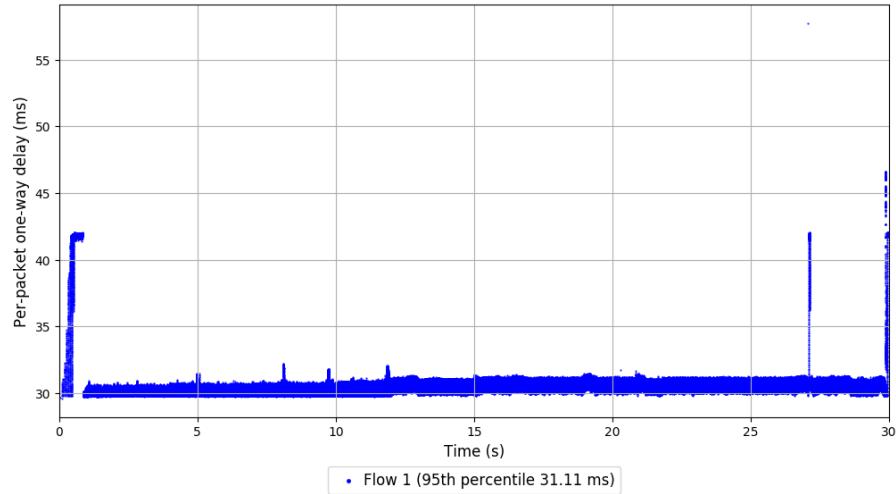
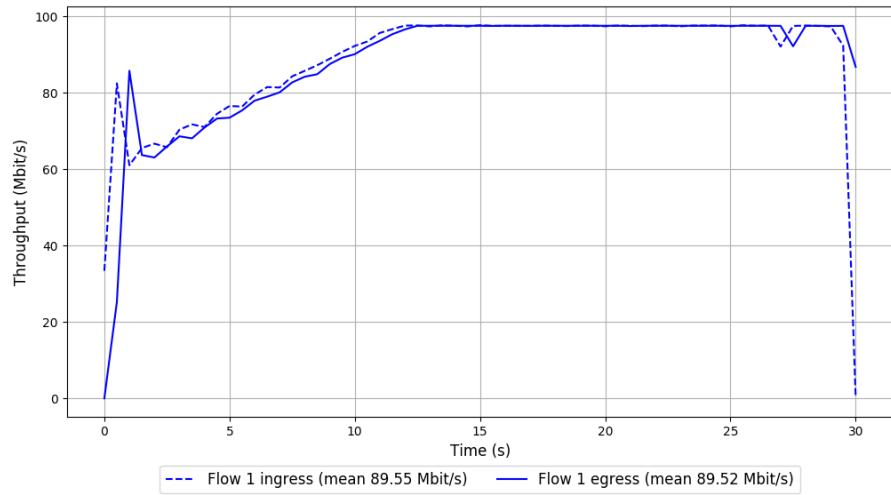


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-25 02:17:37
End at: 2018-05-25 02:18:07
Local clock offset: 0.354 ms
Remote clock offset: 3.646 ms

# Below is generated by plot.py at 2018-05-25 05:09:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.22%
```

Run 3: Report of TCP Vegas — Data Link

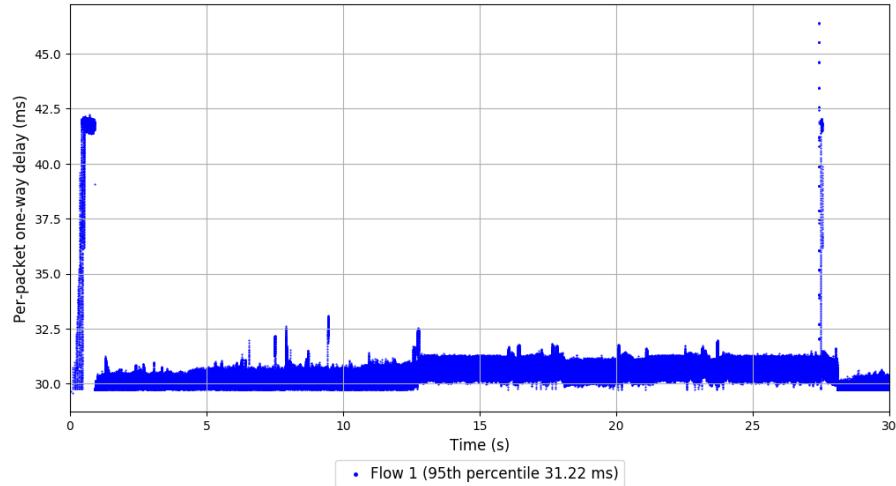
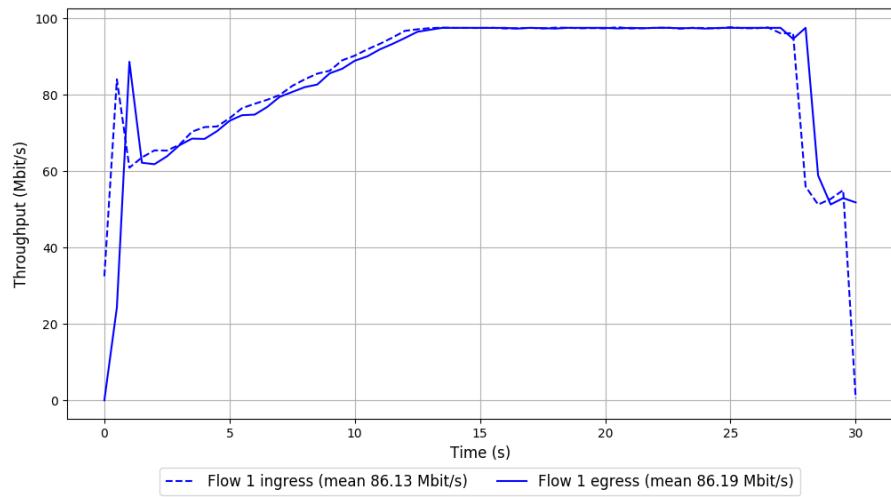


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-25 02:38:24
End at: 2018-05-25 02:38:54
Local clock offset: 0.184 ms
Remote clock offset: 3.341 ms

# Below is generated by plot.py at 2018-05-25 05:09:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 31.224 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 31.224 ms
Loss rate: 0.13%
```

Run 4: Report of TCP Vegas — Data Link

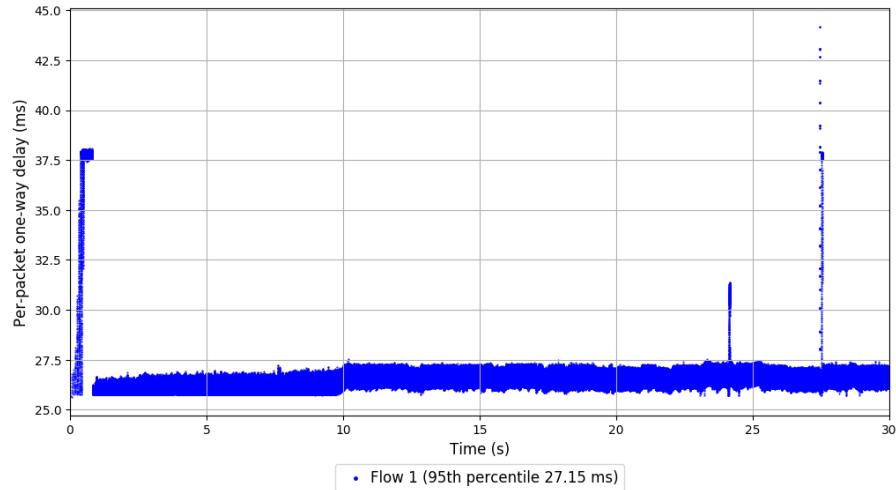
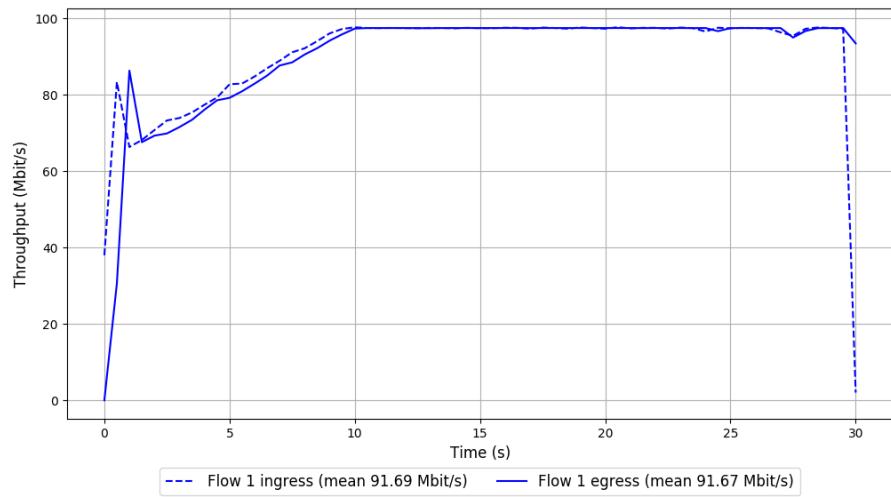


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-25 02:59:12
End at: 2018-05-25 02:59:42
Local clock offset: 0.161 ms
Remote clock offset: 3.05 ms

# Below is generated by plot.py at 2018-05-25 05:09:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 27.150 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 27.150 ms
Loss rate: 0.20%
```

Run 5: Report of TCP Vegas — Data Link

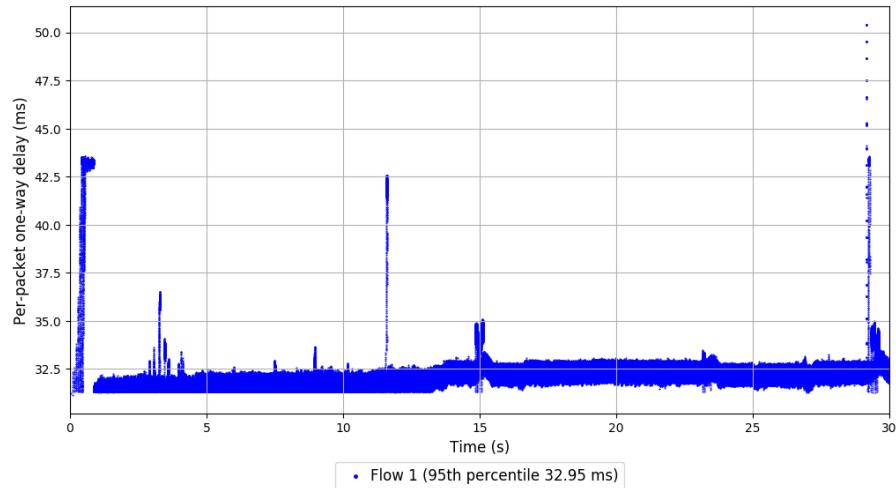
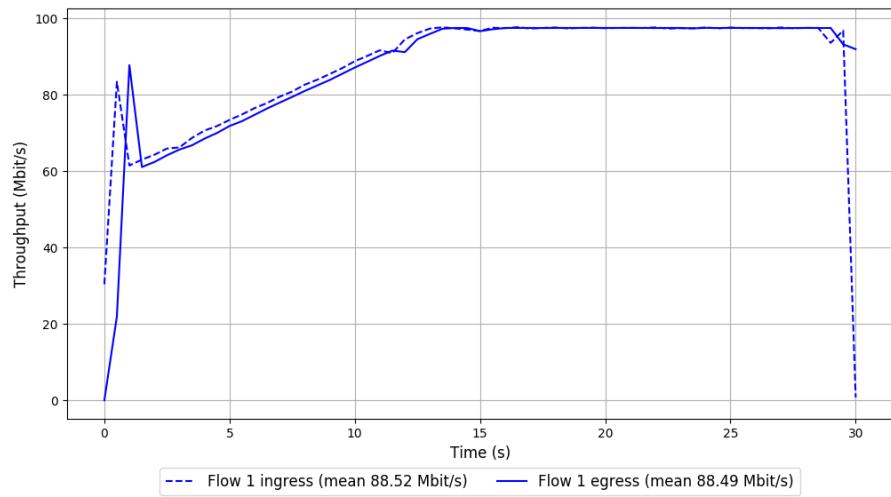


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-25 03:20:03
End at: 2018-05-25 03:20:33
Local clock offset: 0.073 ms
Remote clock offset: 1.849 ms

# Below is generated by plot.py at 2018-05-25 05:09:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.49 Mbit/s
95th percentile per-packet one-way delay: 32.955 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 88.49 Mbit/s
95th percentile per-packet one-way delay: 32.955 ms
Loss rate: 0.23%
```

Run 6: Report of TCP Vegas — Data Link

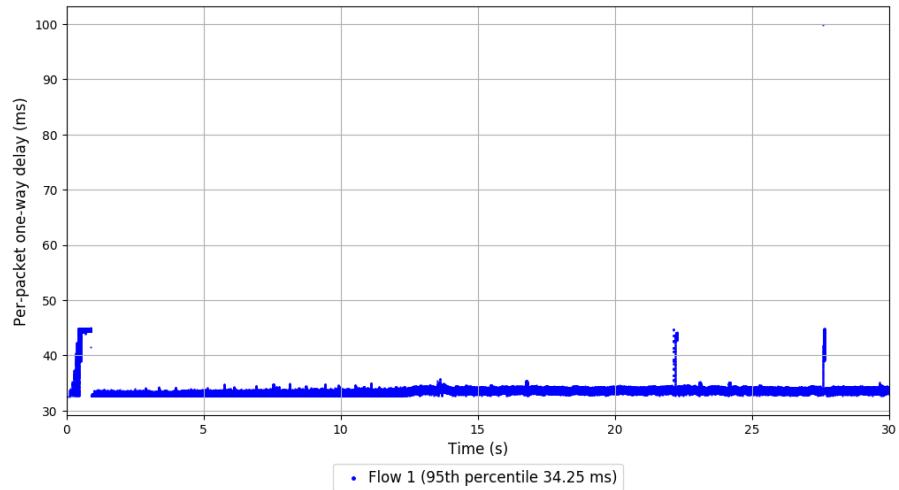
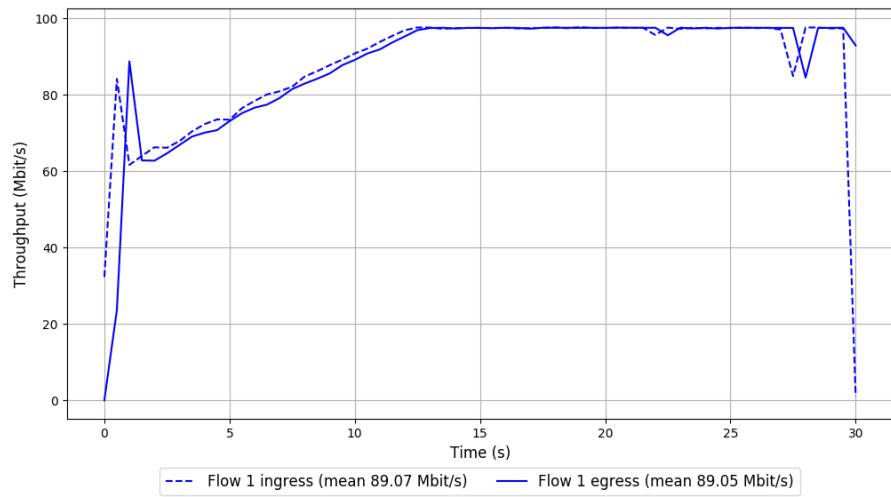


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-25 03:41:02
End at: 2018-05-25 03:41:32
Local clock offset: -0.019 ms
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-05-25 05:10:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 34.250 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 34.250 ms
Loss rate: 0.23%
```

Run 7: Report of TCP Vegas — Data Link

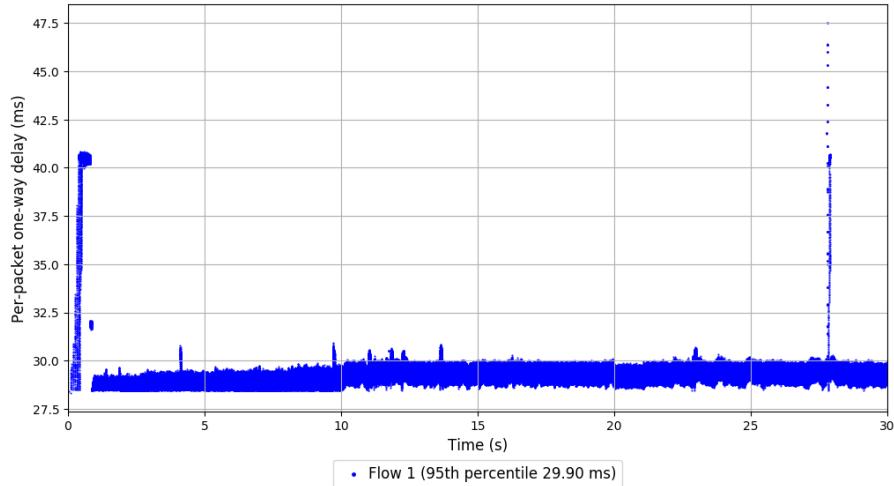
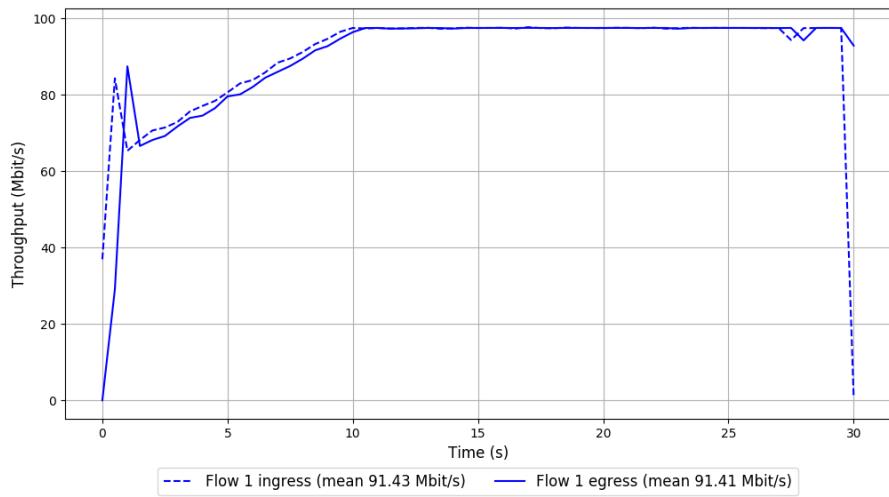


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-25 04:01:46
End at: 2018-05-25 04:02:16
Local clock offset: 0.356 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-05-25 05:10:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 29.896 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 29.896 ms
Loss rate: 0.21%
```

Run 8: Report of TCP Vegas — Data Link

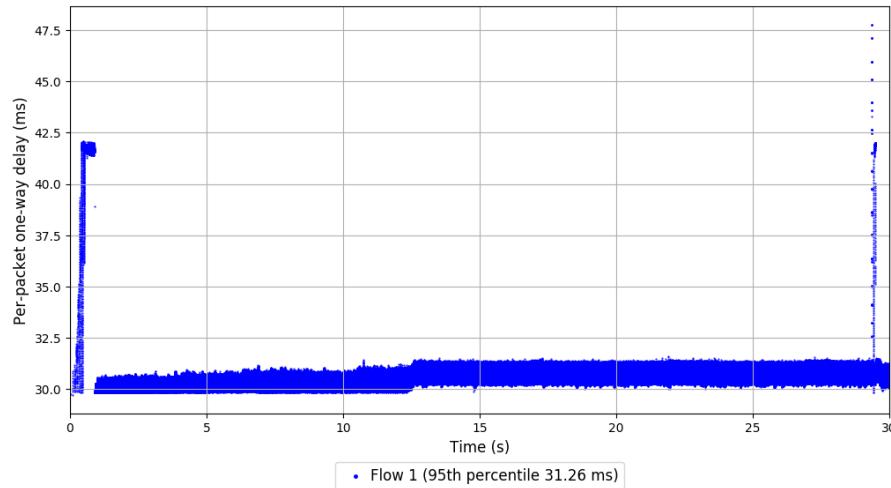
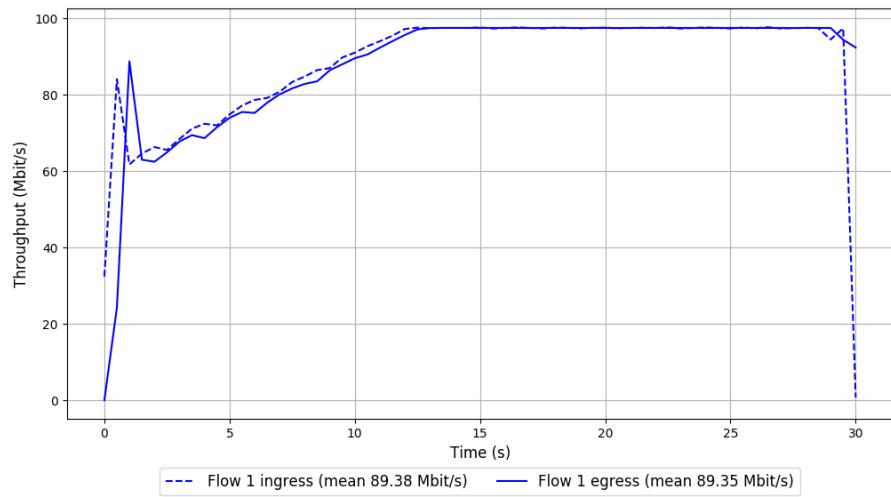


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-25 04:22:49
End at: 2018-05-25 04:23:19
Local clock offset: 0.726 ms
Remote clock offset: 2.493 ms

# Below is generated by plot.py at 2018-05-25 05:10:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 31.264 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 31.264 ms
Loss rate: 0.22%
```

Run 9: Report of TCP Vegas — Data Link

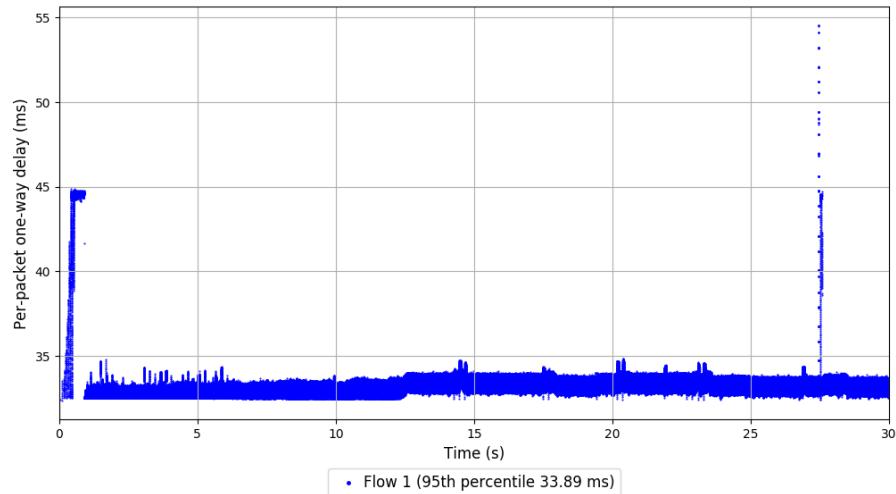
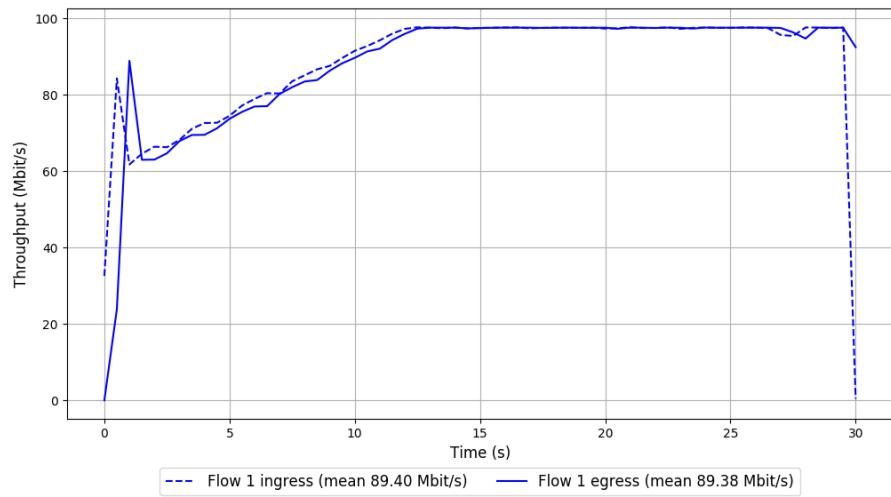


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-25 04:43:38
End at: 2018-05-25 04:44:08
Local clock offset: -0.044 ms
Remote clock offset: -0.858 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 33.887 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 33.887 ms
Loss rate: 0.23%
```

Run 10: Report of TCP Vegas — Data Link

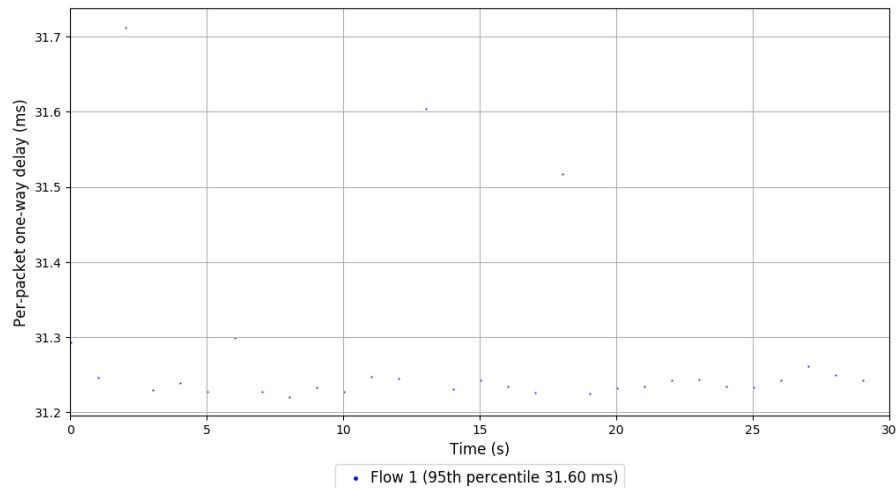
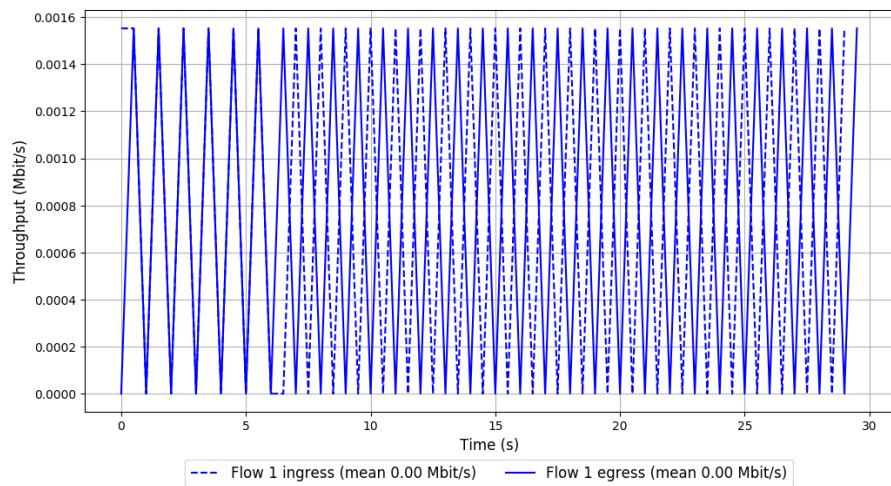


Run 1: Statistics of Verus

```
Start at: 2018-05-25 01:41:15
End at: 2018-05-25 01:41:45
Local clock offset: 0.512 ms
Remote clock offset: 3.13 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.604 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

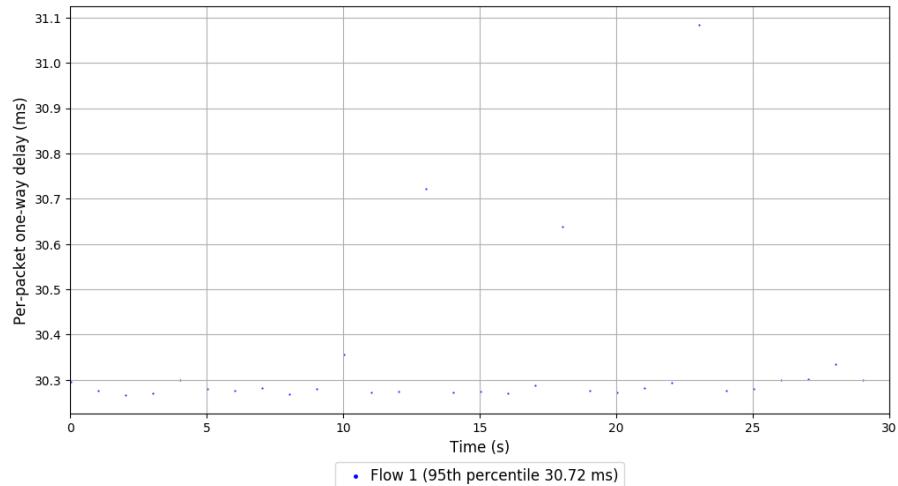
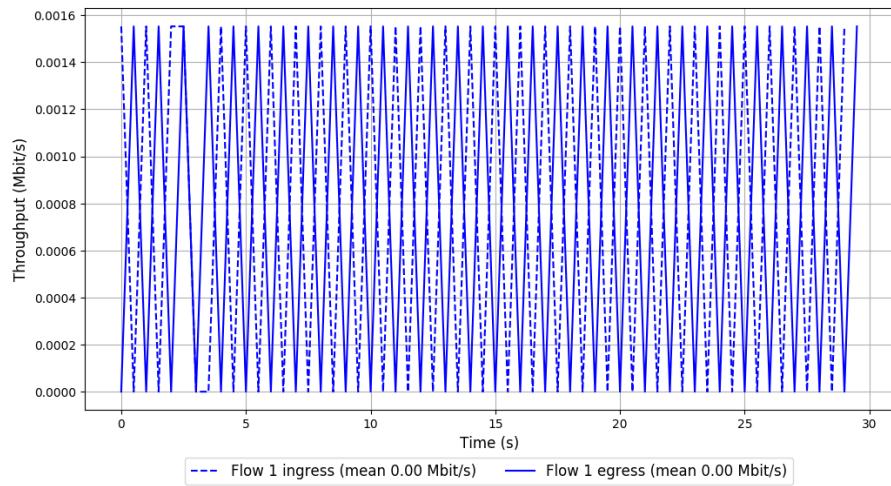


Run 2: Statistics of Verus

```
Start at: 2018-05-25 02:02:01
End at: 2018-05-25 02:02:31
Local clock offset: 0.296 ms
Remote clock offset: 3.252 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.721 ms
Loss rate: 0.00%
```

Run 2: Report of Verus — Data Link

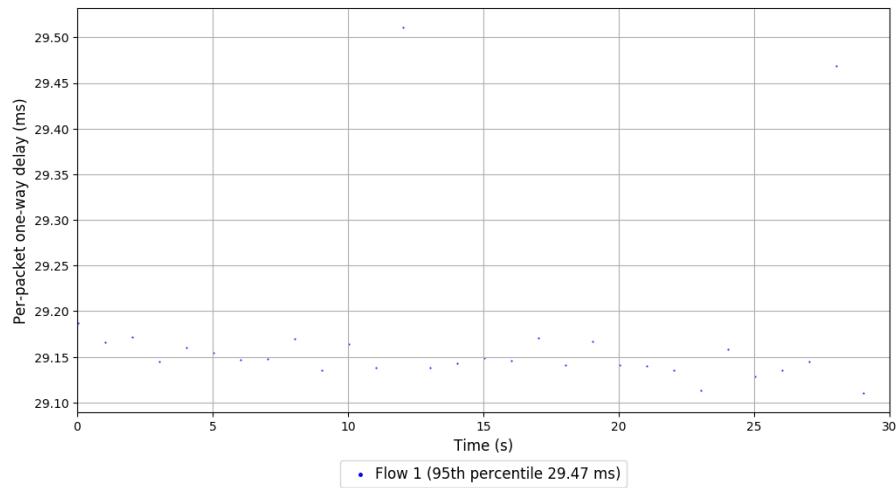
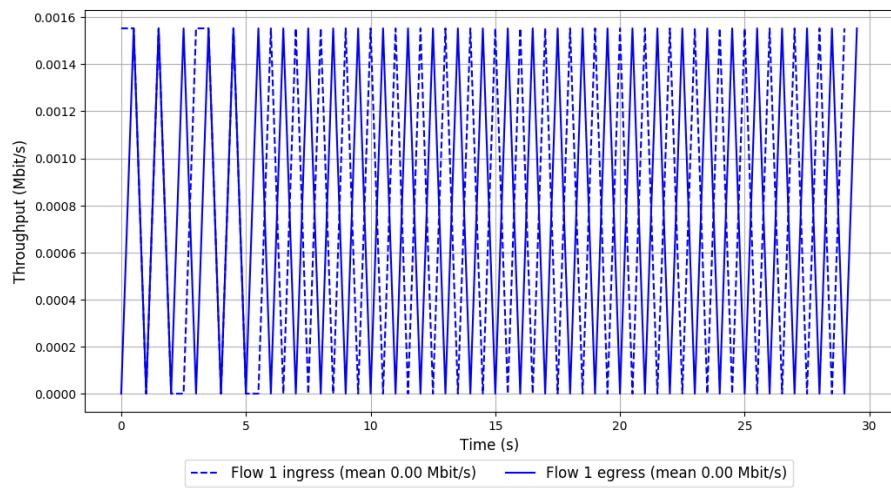


Run 3: Statistics of Verus

```
Start at: 2018-05-25 02:22:48
End at: 2018-05-25 02:23:18
Local clock offset: 0.391 ms
Remote clock offset: 4.182 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.469 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

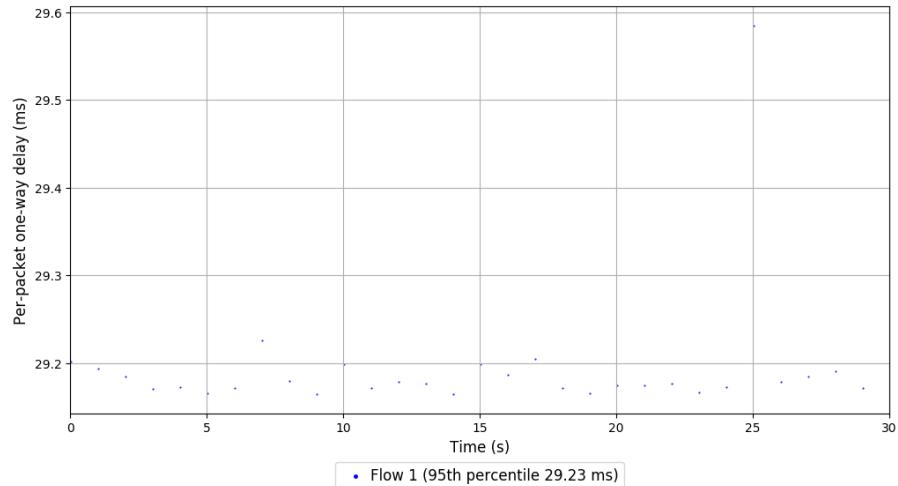
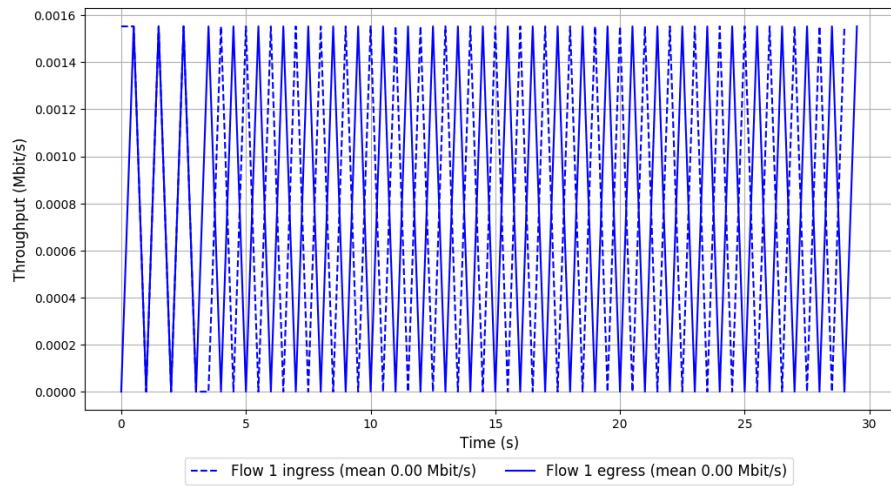


Run 4: Statistics of Verus

```
Start at: 2018-05-25 02:43:35
End at: 2018-05-25 02:44:05
Local clock offset: 0.171 ms
Remote clock offset: 3.782 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.226 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

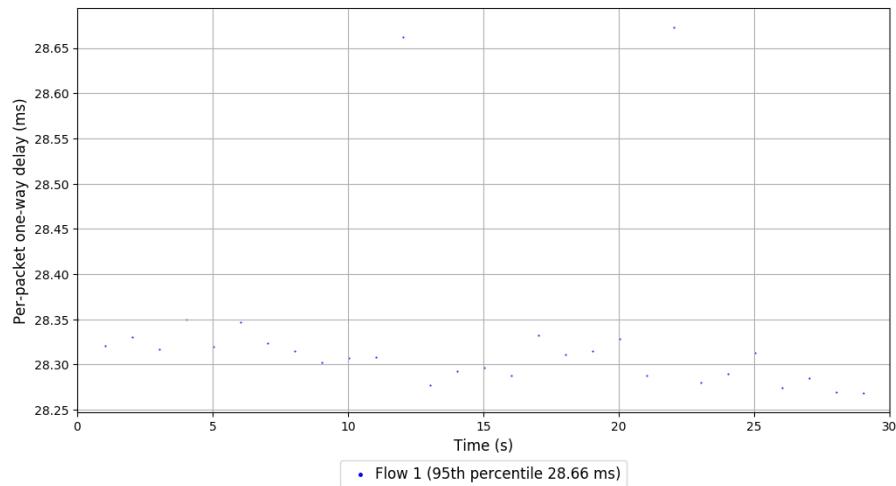
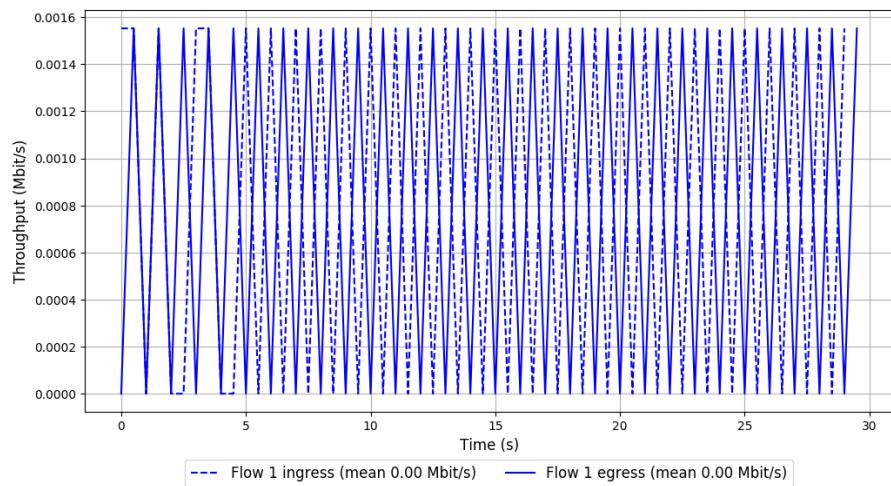


Run 5: Statistics of Verus

```
Start at: 2018-05-25 03:04:24
End at: 2018-05-25 03:04:54
Local clock offset: 0.167 ms
Remote clock offset: 0.465 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 28.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 28.662 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

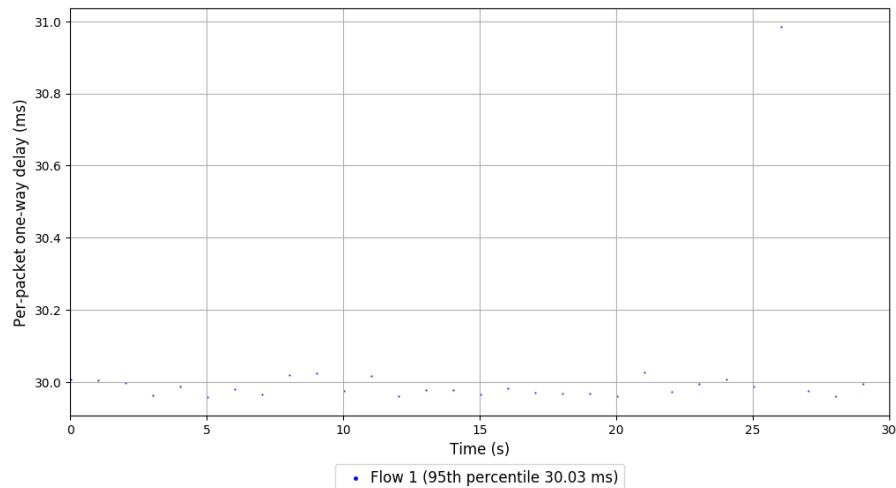
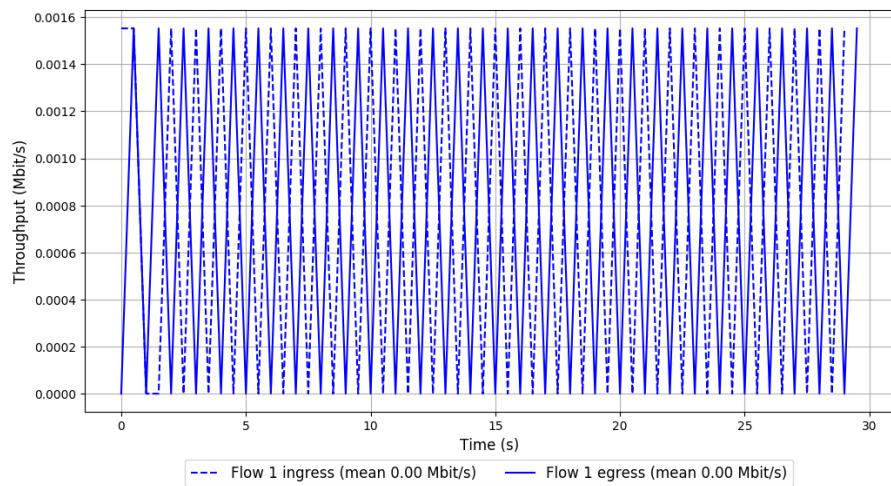


Run 6: Statistics of Verus

```
Start at: 2018-05-25 03:25:29
End at: 2018-05-25 03:25:59
Local clock offset: 0.065 ms
Remote clock offset: 2.162 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.026 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

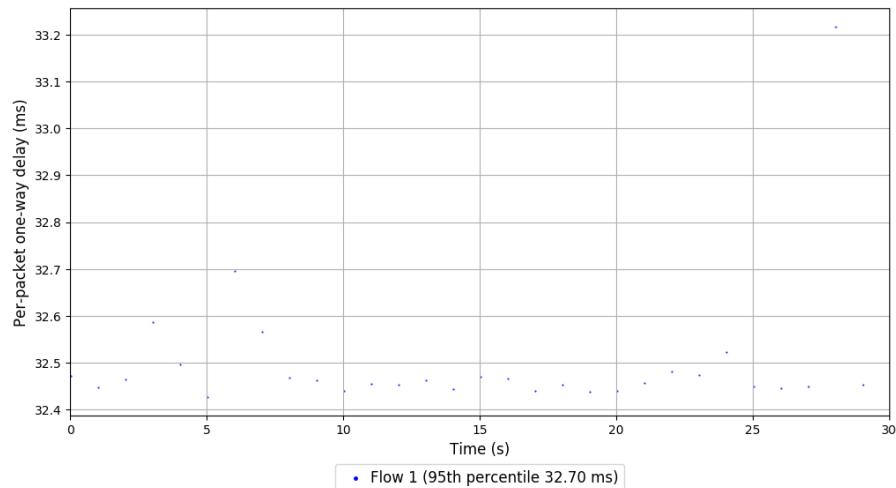
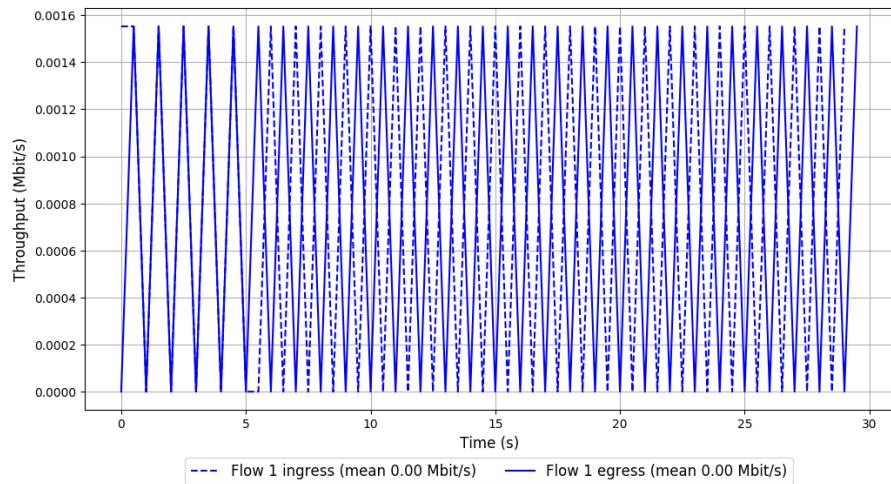


Run 7: Statistics of Verus

```
Start at: 2018-05-25 03:46:13
End at: 2018-05-25 03:46:43
Local clock offset: 0.038 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.696 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

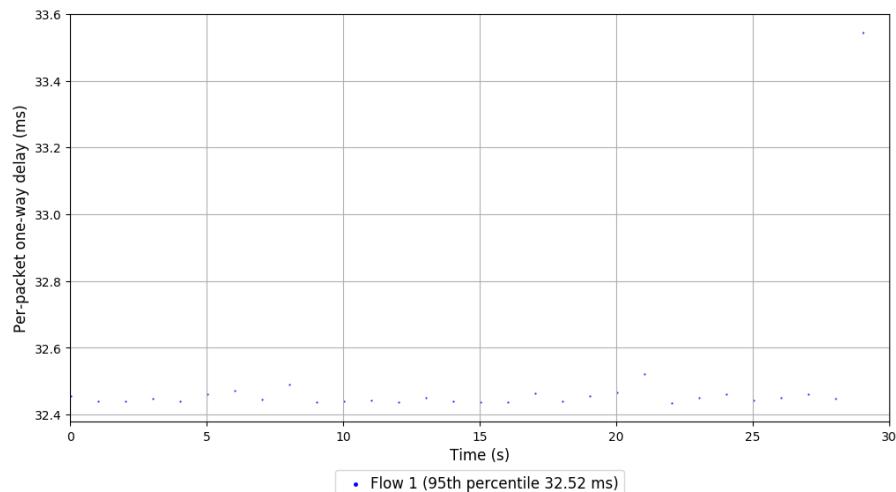
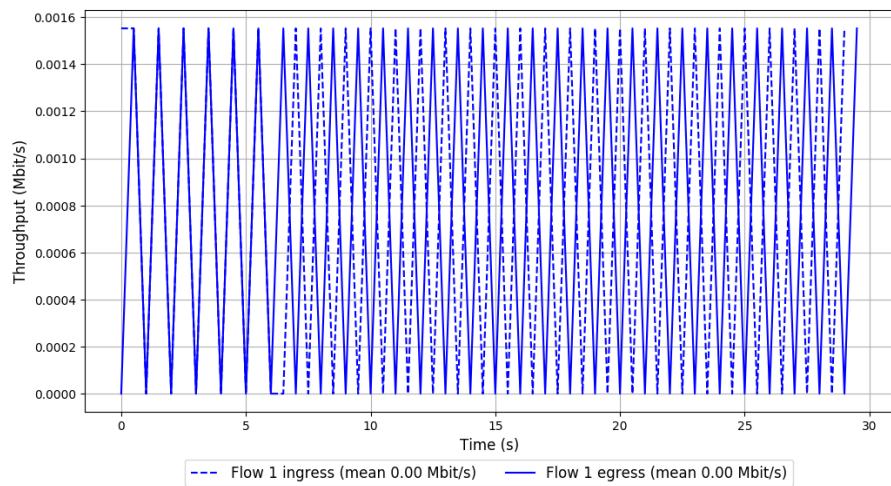


Run 8: Statistics of Verus

```
Start at: 2018-05-25 04:07:12
End at: 2018-05-25 04:07:42
Local clock offset: 0.504 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.523 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link

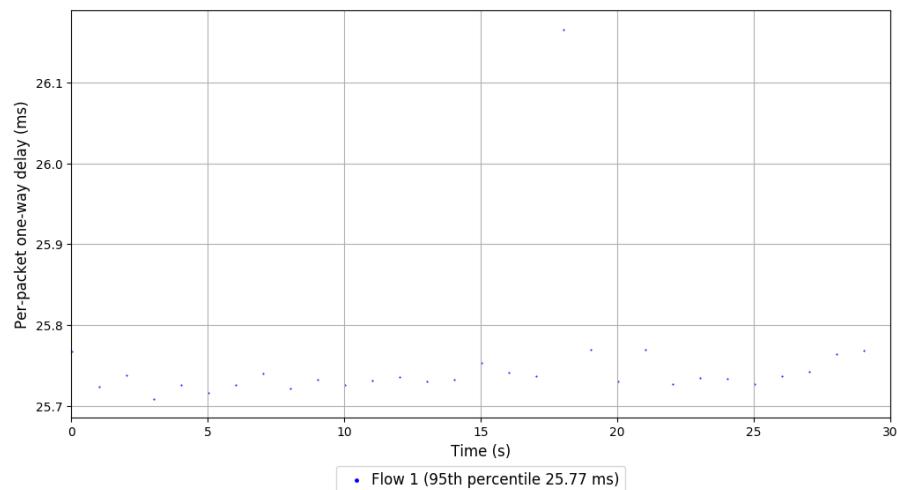
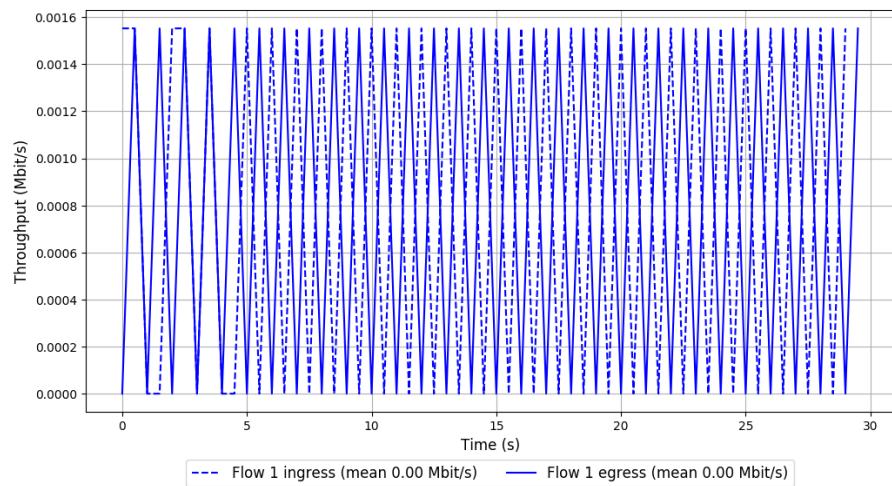


Run 9: Statistics of Verus

```
Start at: 2018-05-25 04:28:01
End at: 2018-05-25 04:28:31
Local clock offset: 0.531 ms
Remote clock offset: 3.027 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 25.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 25.770 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

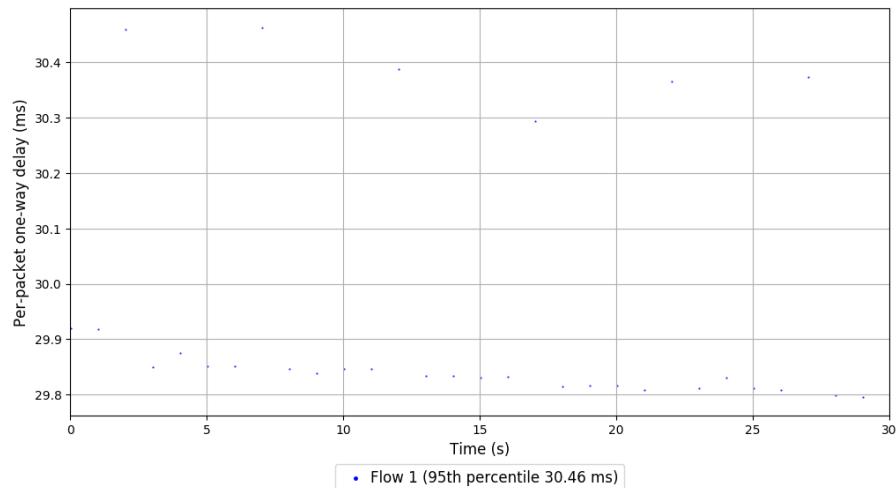
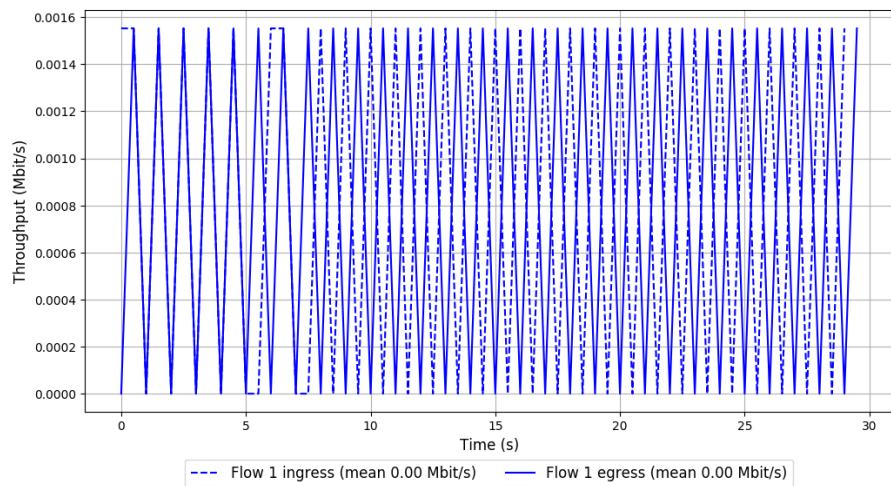


Run 10: Statistics of Verus

```
Start at: 2018-05-25 04:48:50
End at: 2018-05-25 04:49:20
Local clock offset: -0.096 ms
Remote clock offset: 0.572 ms

# Below is generated by plot.py at 2018-05-25 05:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.459 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

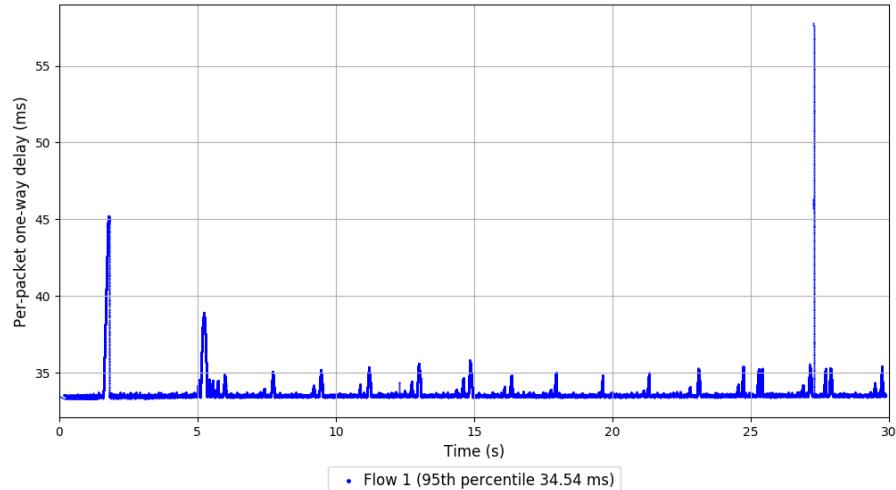
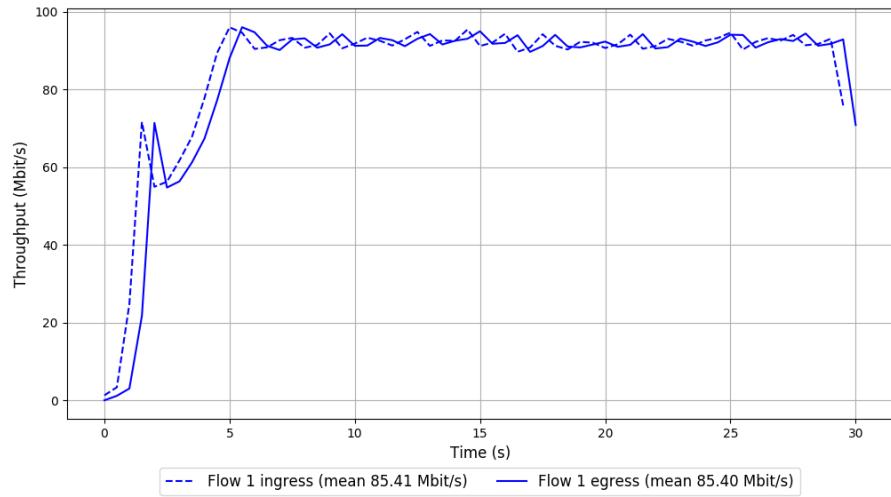


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-05-25 01:34:45
End at: 2018-05-25 01:35:15
Local clock offset: 0.563 ms
Remote clock offset: 0.908 ms

# Below is generated by plot.py at 2018-05-25 05:10:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 34.540 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 34.540 ms
Loss rate: 0.22%
```

Run 1: Report of PCC-Vivace — Data Link

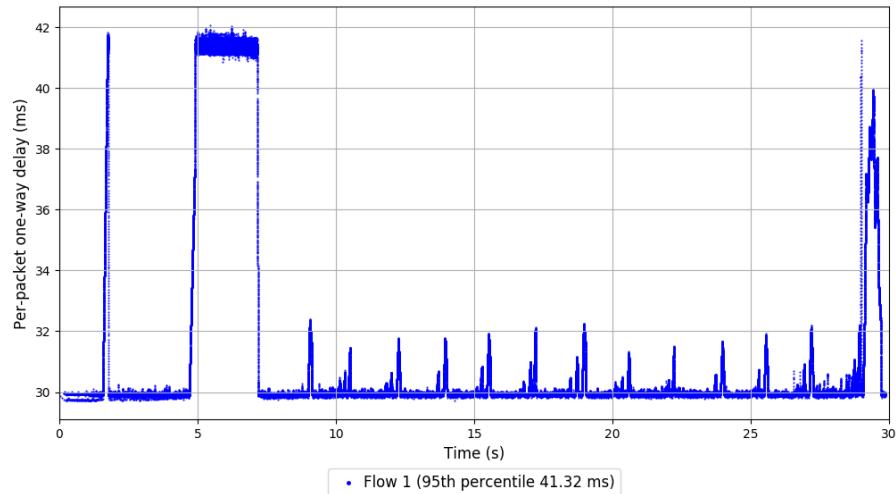
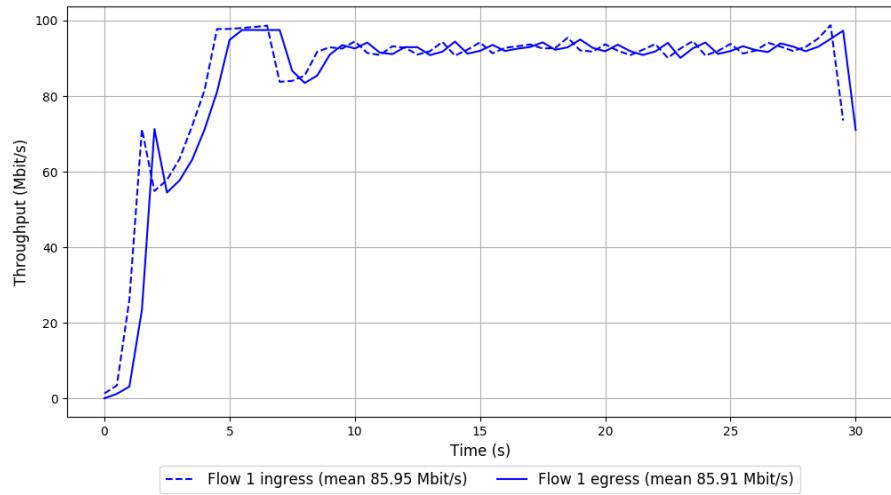


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-25 01:55:31
End at: 2018-05-25 01:56:01
Local clock offset: 0.52 ms
Remote clock offset: 3.15 ms

# Below is generated by plot.py at 2018-05-25 05:10:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 41.316 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 41.316 ms
Loss rate: 0.25%
```

Run 2: Report of PCC-Vivace — Data Link

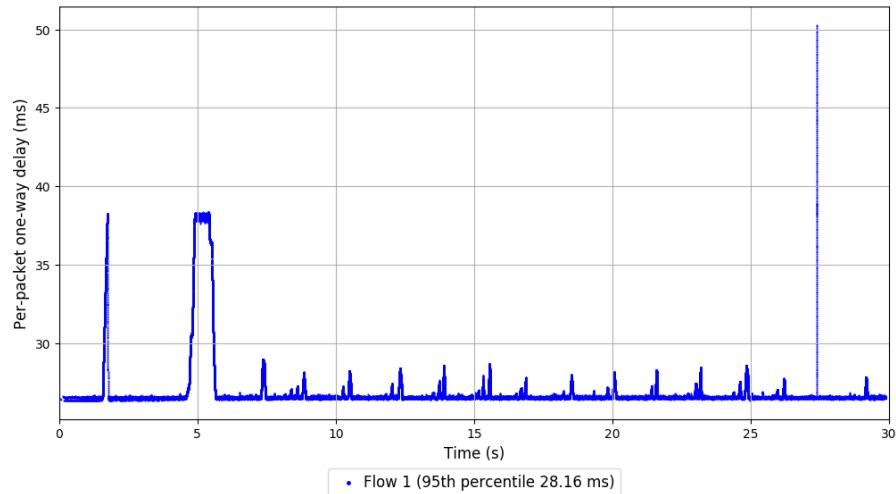
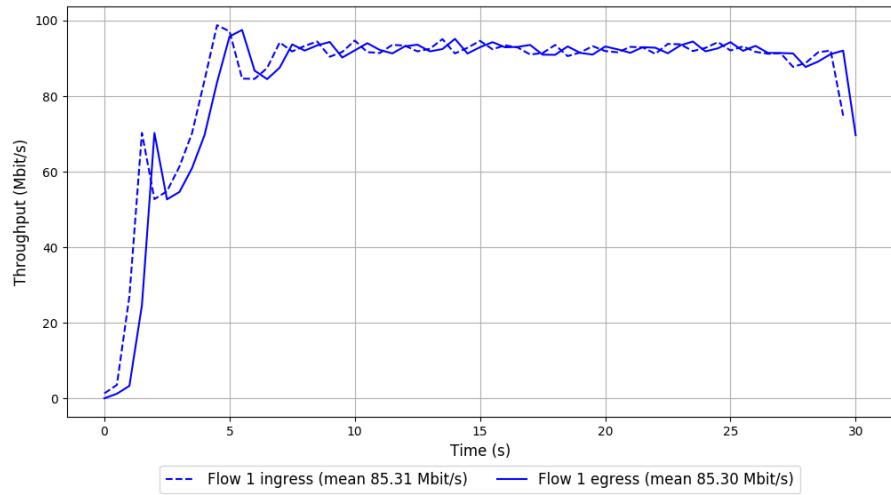


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-25 02:16:18
End at: 2018-05-25 02:16:48
Local clock offset: 0.367 ms
Remote clock offset: 3.489 ms

# Below is generated by plot.py at 2018-05-25 05:10:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 28.161 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 28.161 ms
Loss rate: 0.21%
```

Run 3: Report of PCC-Vivace — Data Link

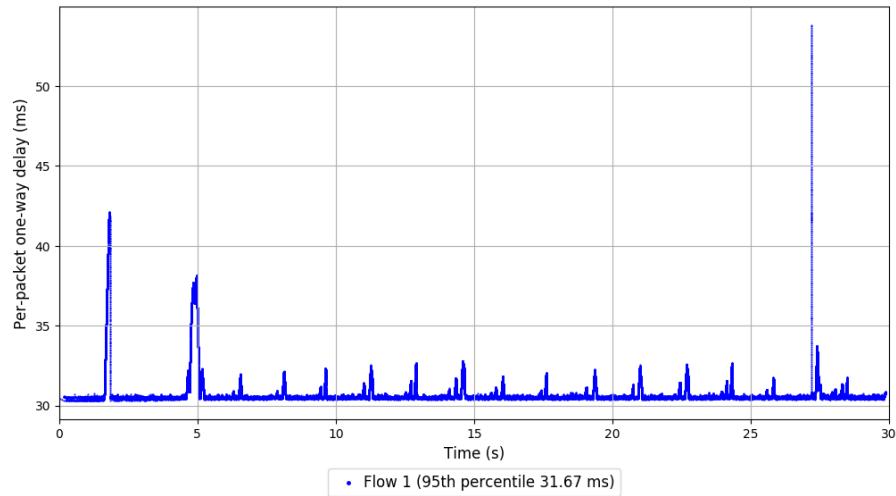
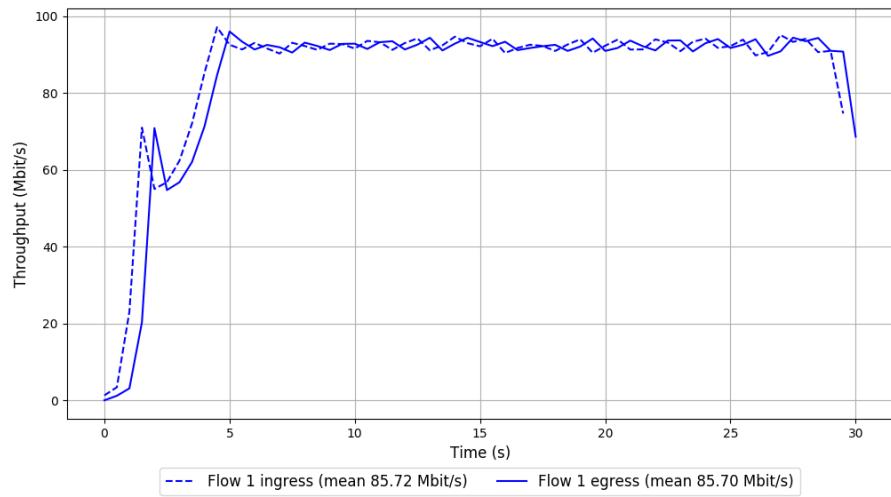


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-25 02:37:04
End at: 2018-05-25 02:37:34
Local clock offset: 0.121 ms
Remote clock offset: 3.217 ms

# Below is generated by plot.py at 2018-05-25 05:11:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 31.667 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 31.667 ms
Loss rate: 0.22%
```

Run 4: Report of PCC-Vivace — Data Link

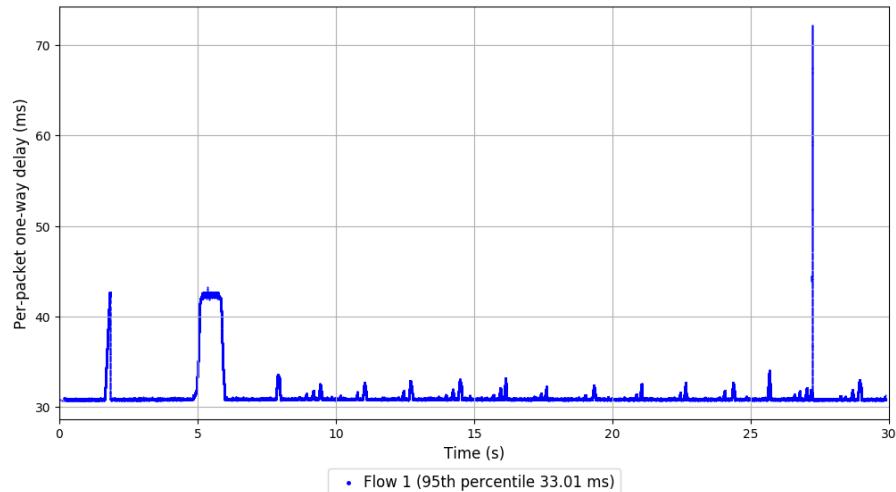
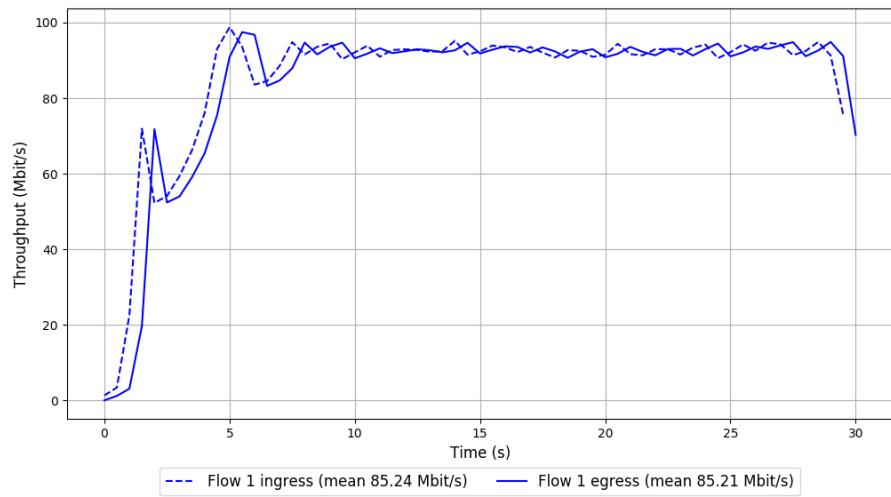


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-25 02:57:52
End at: 2018-05-25 02:58:22
Local clock offset: 0.142 ms
Remote clock offset: 3.224 ms

# Below is generated by plot.py at 2018-05-25 05:11:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 33.014 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 33.014 ms
Loss rate: 0.23%
```

Run 5: Report of PCC-Vivace — Data Link

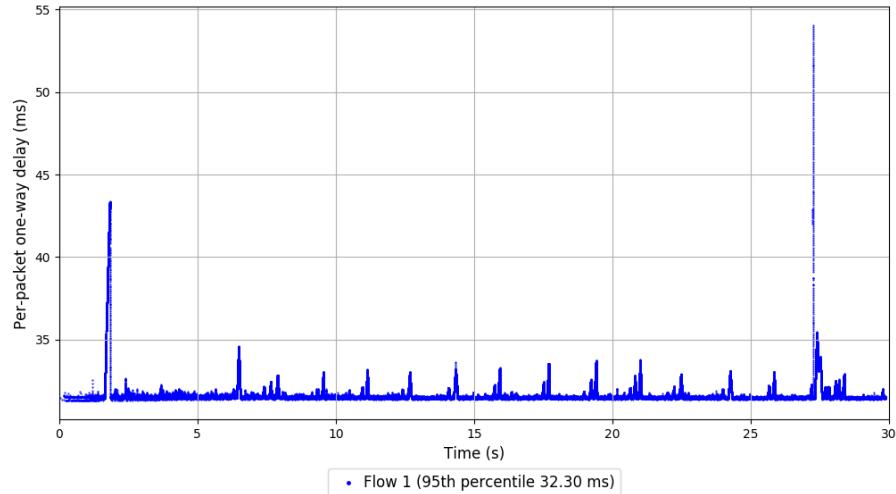
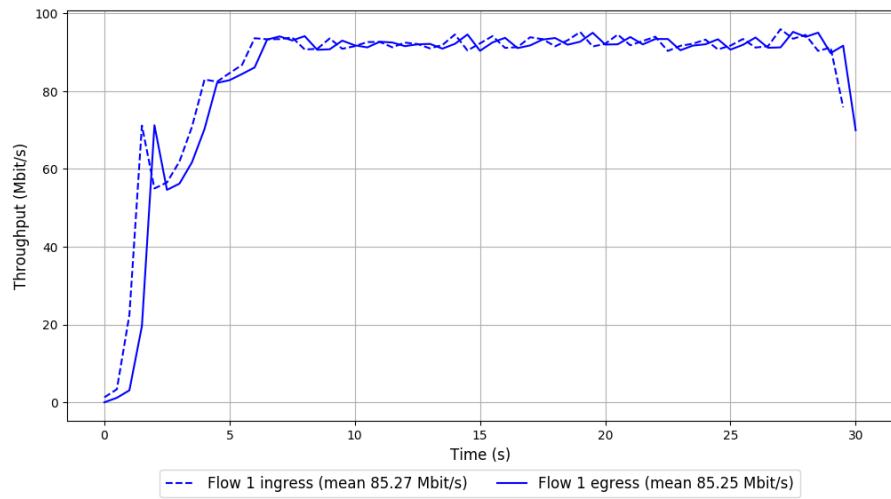


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-25 03:18:43
End at: 2018-05-25 03:19:13
Local clock offset: 0.148 ms
Remote clock offset: 1.799 ms

# Below is generated by plot.py at 2018-05-25 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 32.297 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 32.297 ms
Loss rate: 0.23%
```

Run 6: Report of PCC-Vivace — Data Link

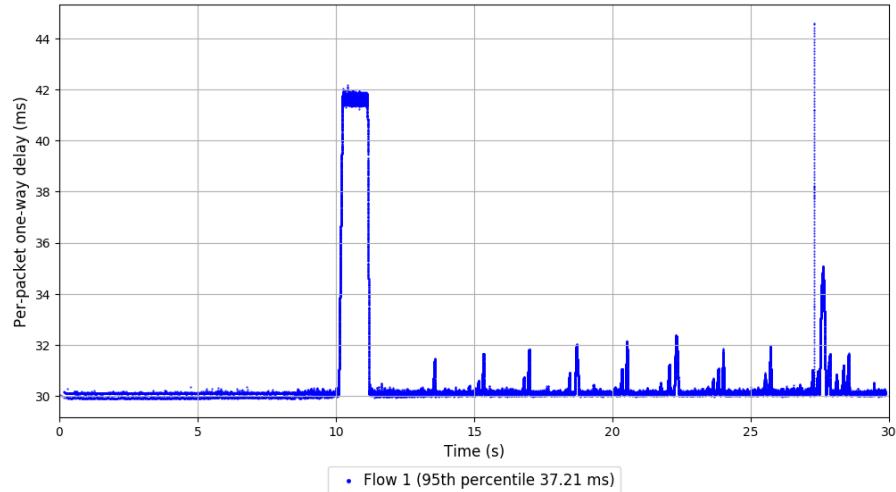
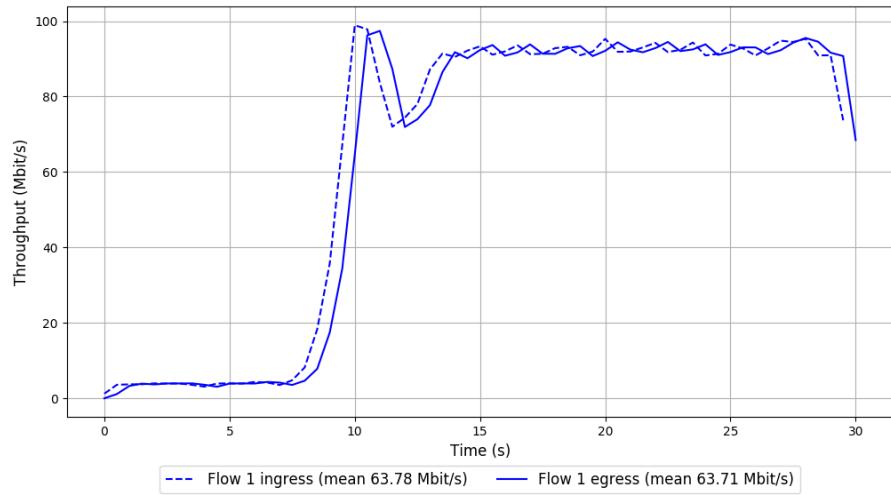


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-25 03:39:44
End at: 2018-05-25 03:40:14
Local clock offset: 0.069 ms
Remote clock offset: 2.409 ms

# Below is generated by plot.py at 2018-05-25 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 37.206 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 37.206 ms
Loss rate: 0.30%
```

Run 7: Report of PCC-Vivace — Data Link

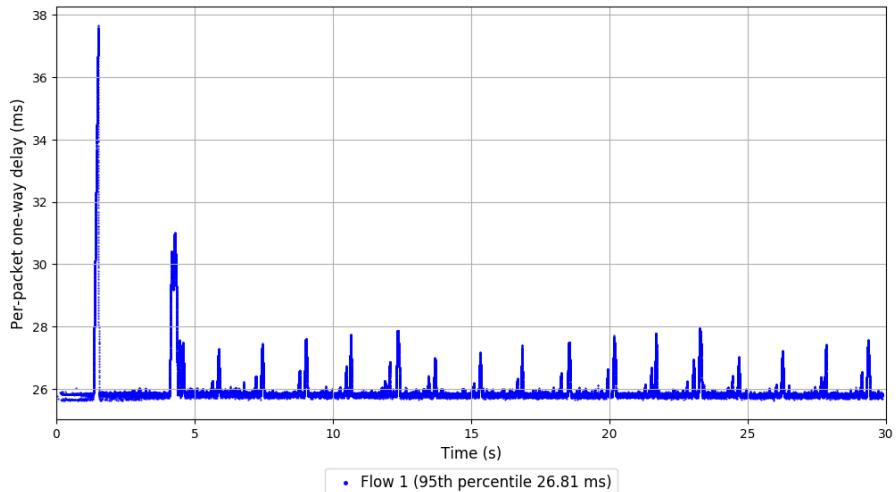
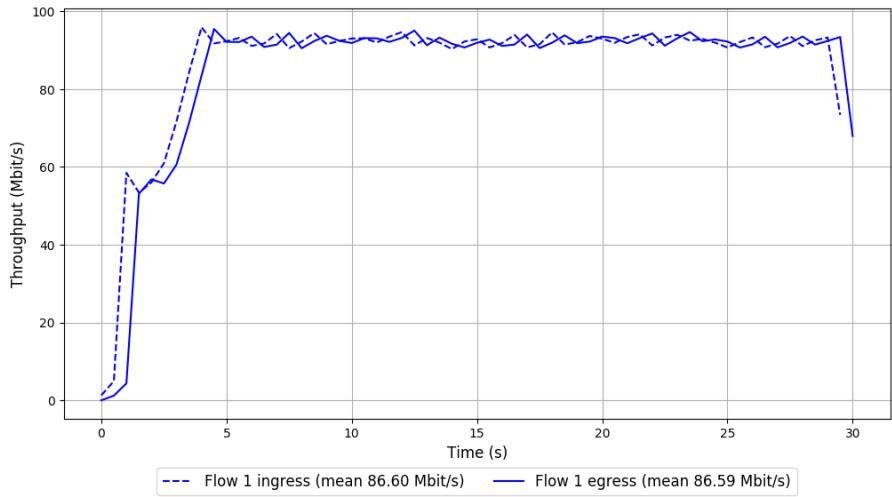


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-25 04:00:26
End at: 2018-05-25 04:00:56
Local clock offset: 0.303 ms
Remote clock offset: 2.023 ms

# Below is generated by plot.py at 2018-05-25 05:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 26.807 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 26.807 ms
Loss rate: 0.19%
```

Run 8: Report of PCC-Vivace — Data Link

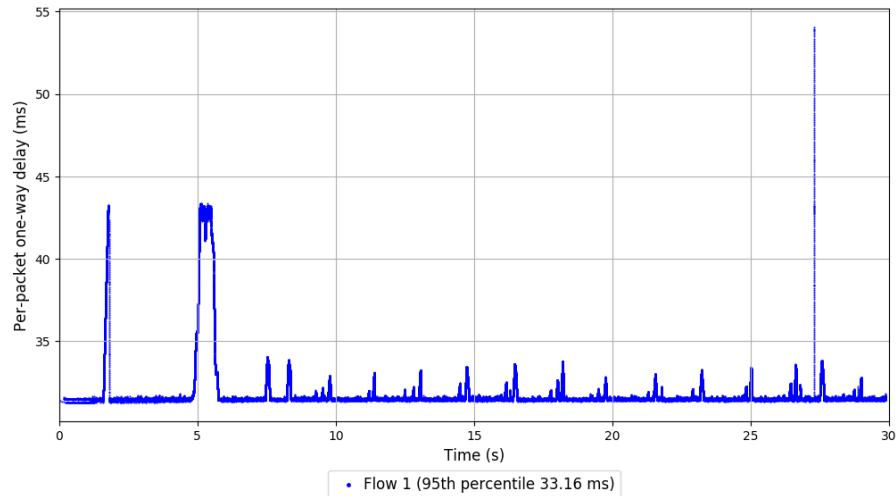
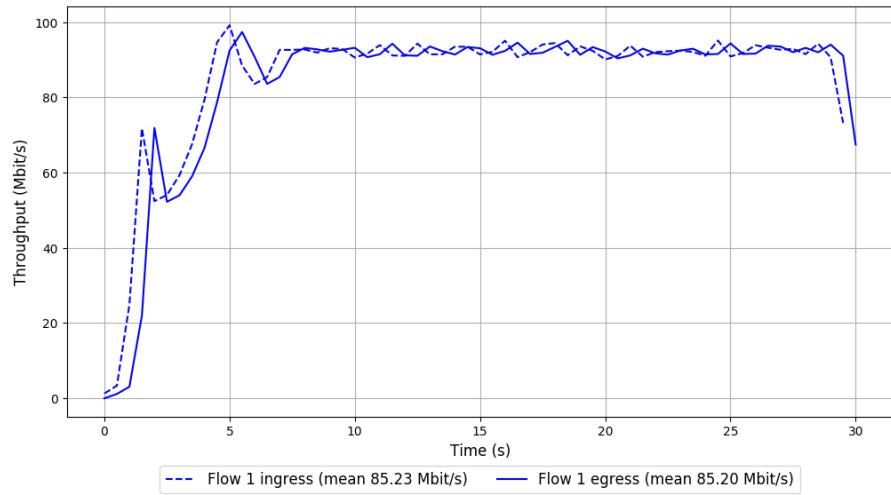


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-25 04:21:29
End at: 2018-05-25 04:21:59
Local clock offset: 0.718 ms
Remote clock offset: 2.457 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 33.162 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 33.162 ms
Loss rate: 0.25%
```

Run 9: Report of PCC-Vivace — Data Link

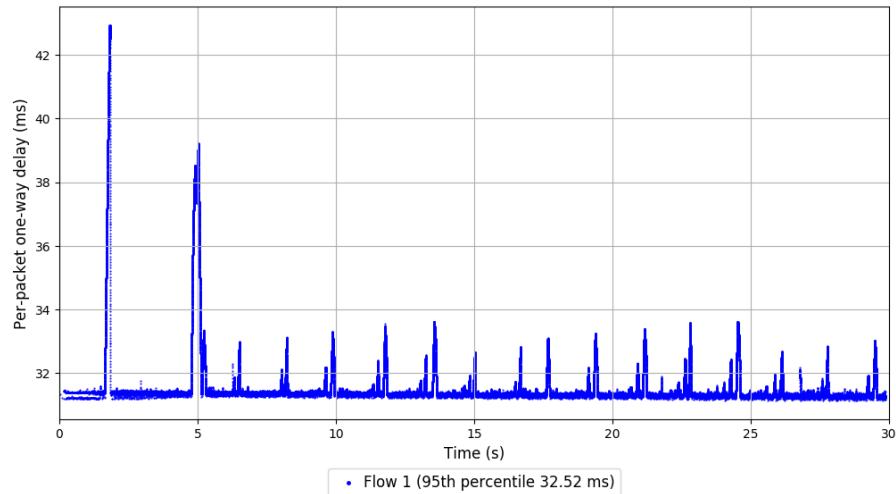
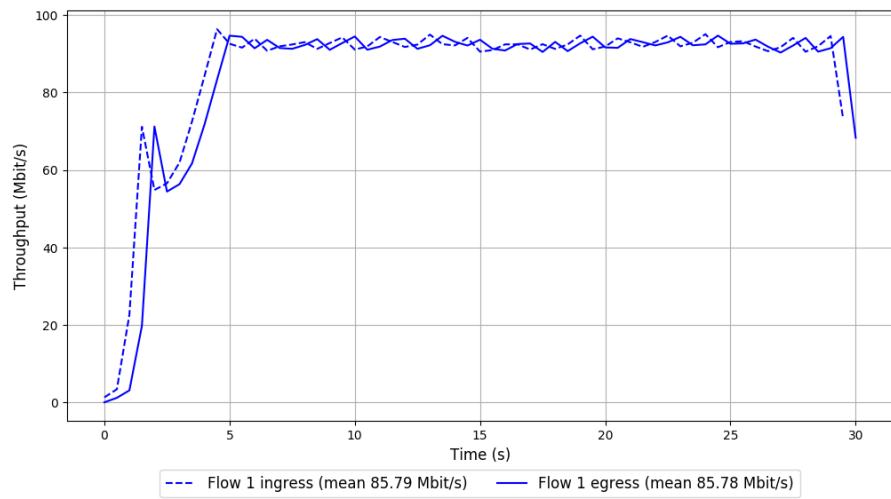


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-25 04:42:18
End at: 2018-05-25 04:42:48
Local clock offset: -0.02 ms
Remote clock offset: 1.536 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 32.519 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 32.519 ms
Loss rate: 0.22%
```

Run 10: Report of PCC-Vivace — Data Link

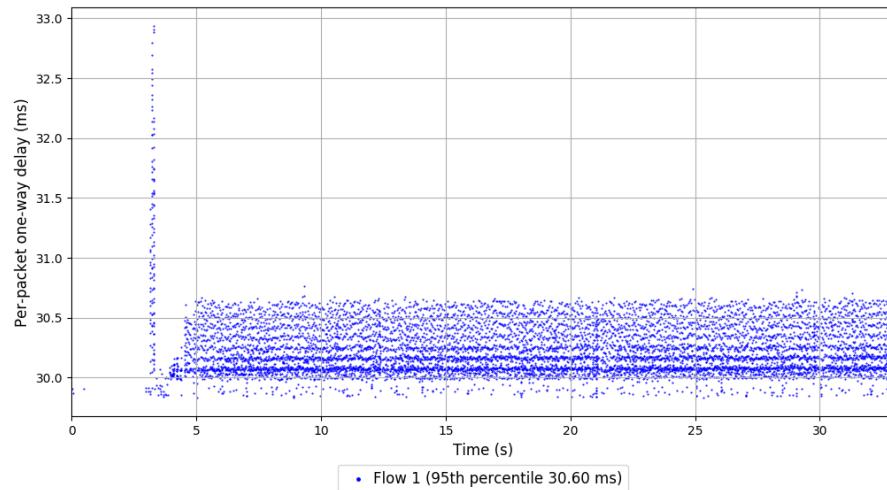
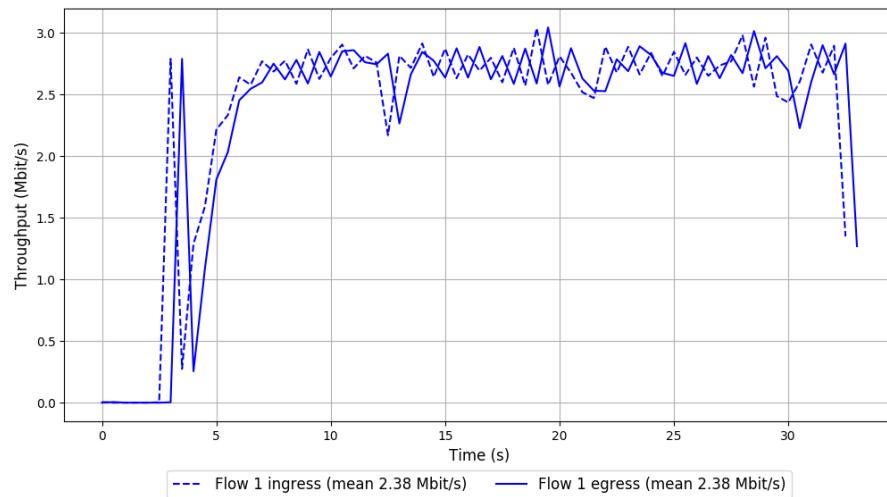


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2018-05-25 01:43:51
End at: 2018-05-25 01:44:21
Local clock offset: 0.486 ms
Remote clock offset: 3.636 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 30.597 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 30.597 ms
Loss rate: 0.19%
```

Run 1: Report of WebRTC media — Data Link

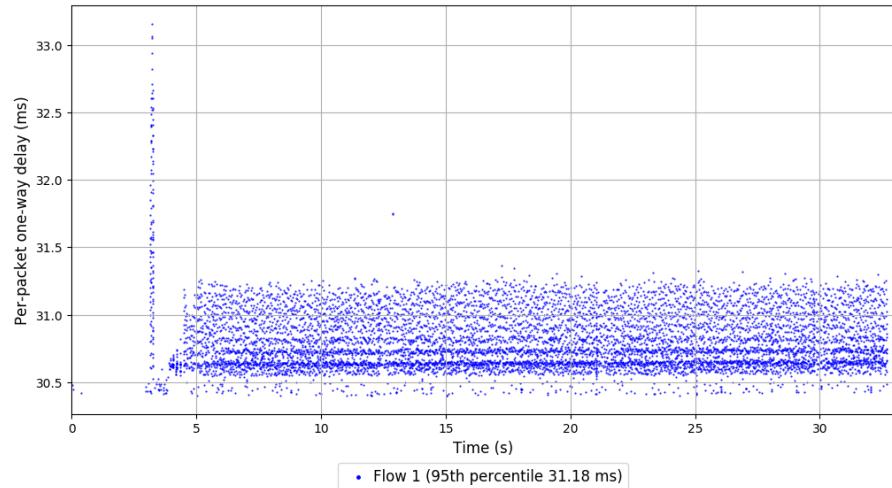
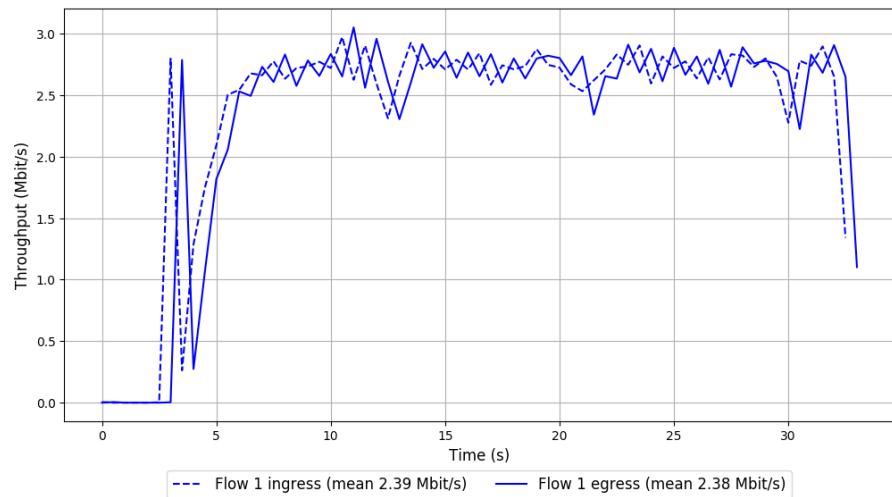


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-25 02:04:38
End at: 2018-05-25 02:05:08
Local clock offset: 0.364 ms
Remote clock offset: 3.251 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 31.178 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 31.178 ms
Loss rate: 0.29%
```

Run 2: Report of WebRTC media — Data Link

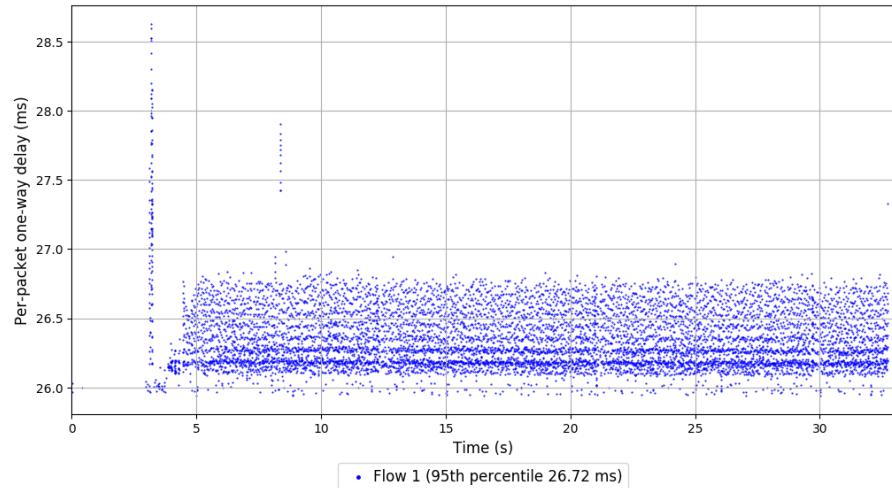
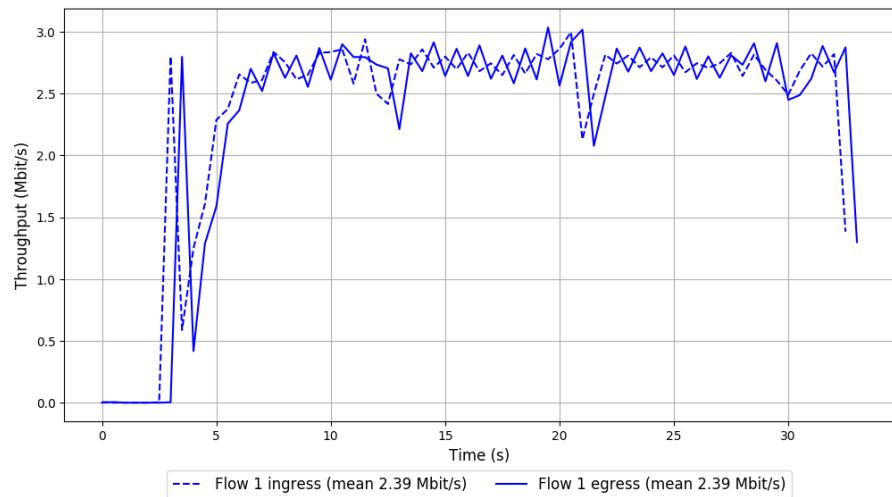


```
Run 3: Statistics of WebRTC media

Start at: 2018-05-25 02:25:25
End at: 2018-05-25 02:25:55
Local clock offset: 0.302 ms
Remote clock offset: 3.557 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 26.720 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 26.720 ms
Loss rate: 0.15%
```

Run 3: Report of WebRTC media — Data Link

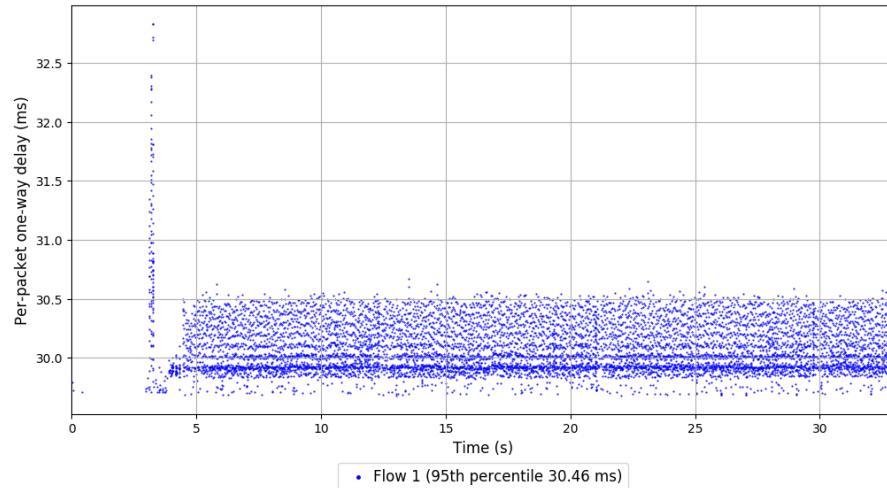
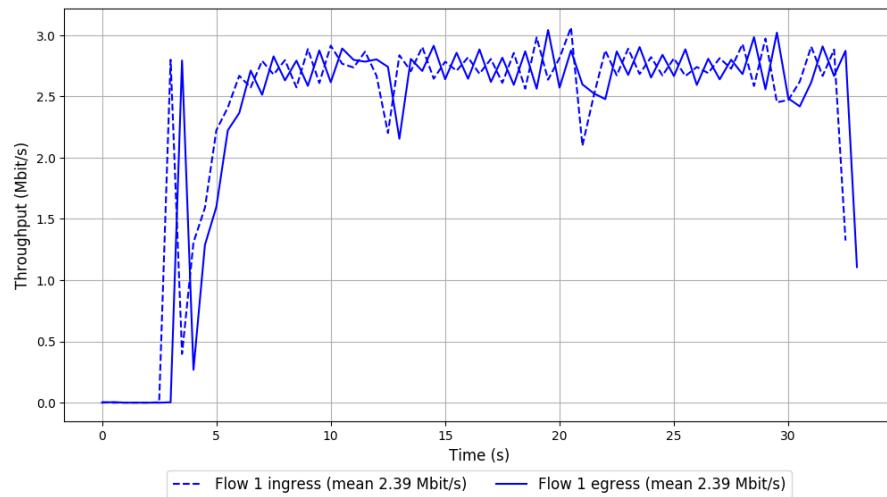


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-25 02:46:11
End at: 2018-05-25 02:46:41
Local clock offset: 0.163 ms
Remote clock offset: 3.261 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 30.462 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 30.462 ms
Loss rate: 0.28%
```

Run 4: Report of WebRTC media — Data Link

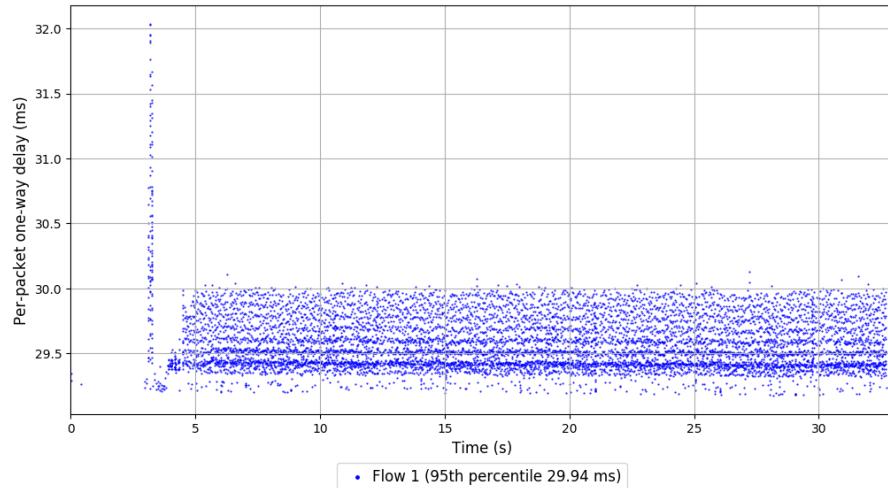
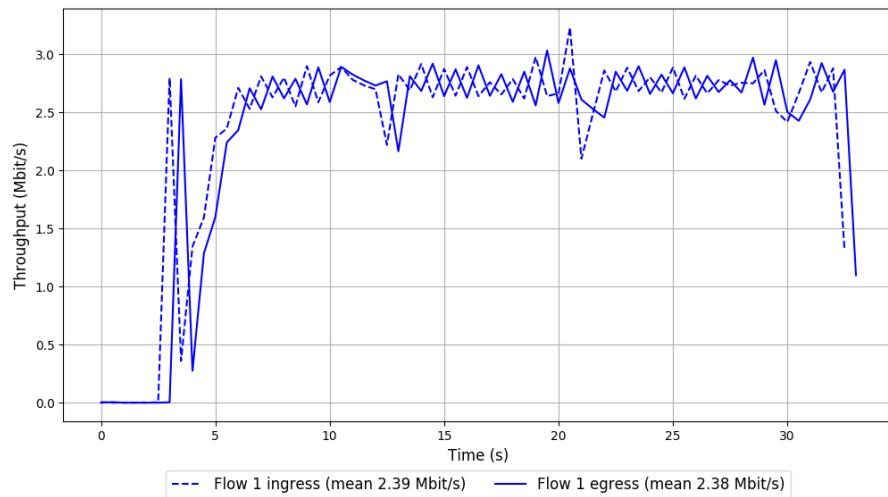


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-25 03:07:01
End at: 2018-05-25 03:07:31
Local clock offset: 0.161 ms
Remote clock offset: 2.773 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 29.943 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 29.943 ms
Loss rate: 0.28%
```

Run 5: Report of WebRTC media — Data Link

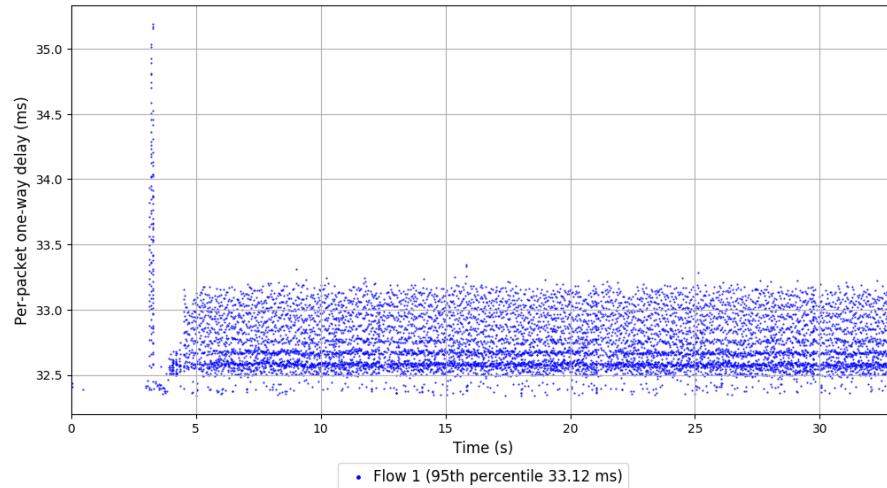
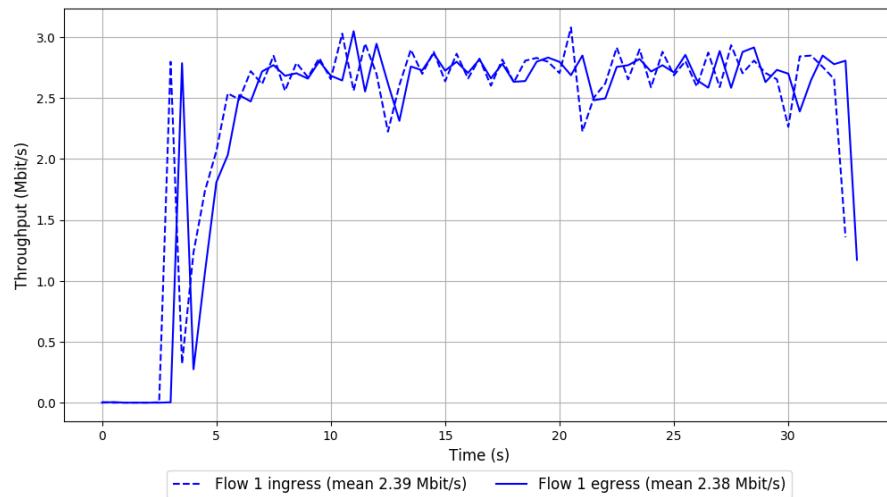


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-25 03:28:06
End at: 2018-05-25 03:28:36
Local clock offset: 0.068 ms
Remote clock offset: -0.482 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 33.124 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 33.124 ms
Loss rate: 0.16%
```

Run 6: Report of WebRTC media — Data Link

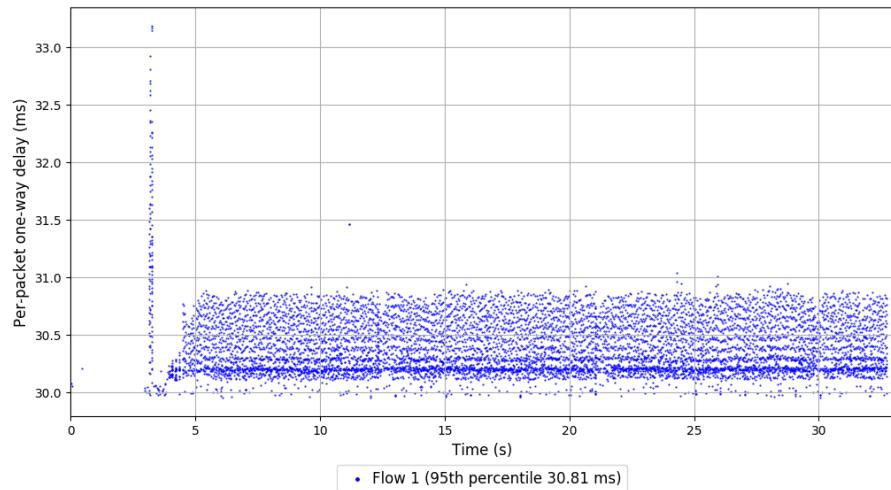
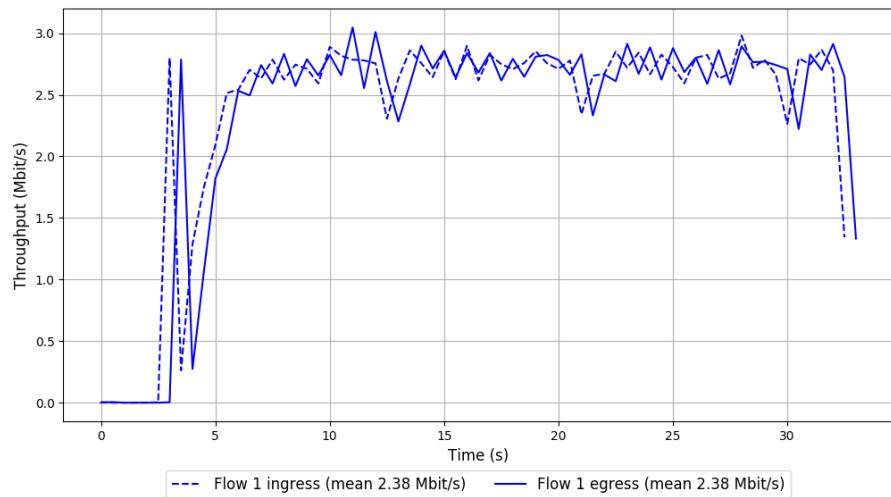


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-25 03:48:49
End at: 2018-05-25 03:49:19
Local clock offset: 0.052 ms
Remote clock offset: 2.488 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 30.811 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 30.811 ms
Loss rate: 0.15%
```

Run 7: Report of WebRTC media — Data Link

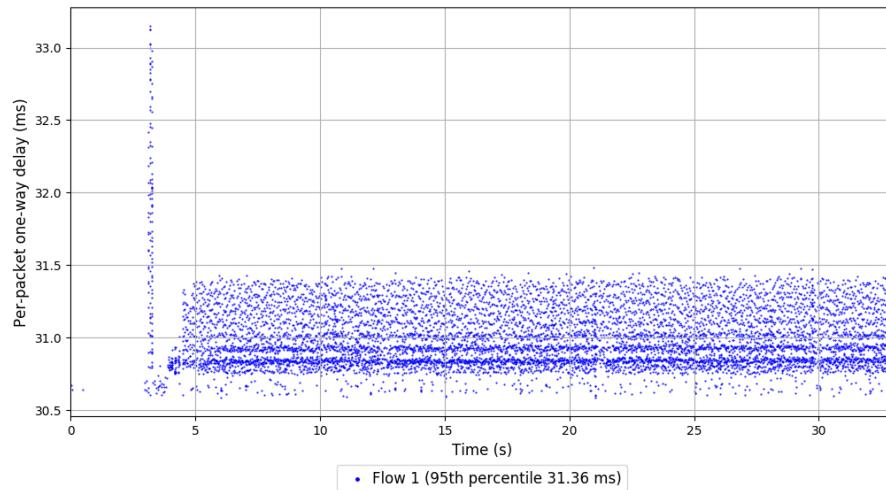
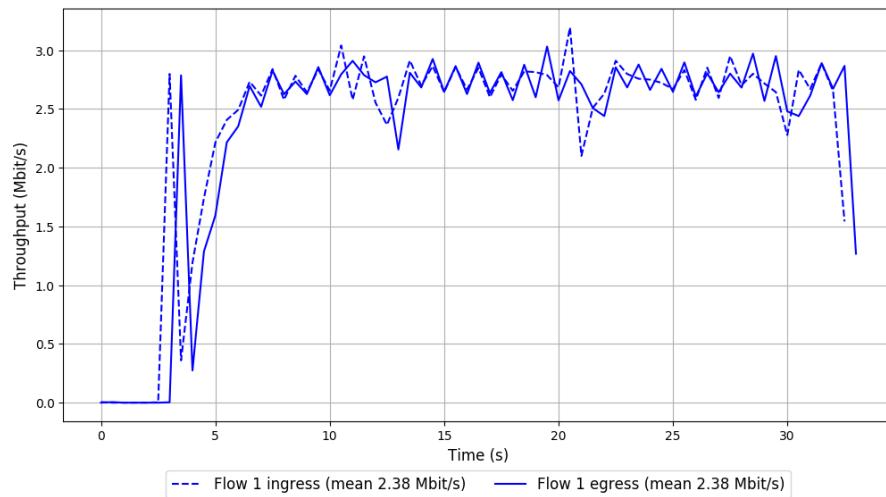


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-25 04:09:49
End at: 2018-05-25 04:10:19
Local clock offset: 0.554 ms
Remote clock offset: 2.205 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.18%
```

Run 8: Report of WebRTC media — Data Link

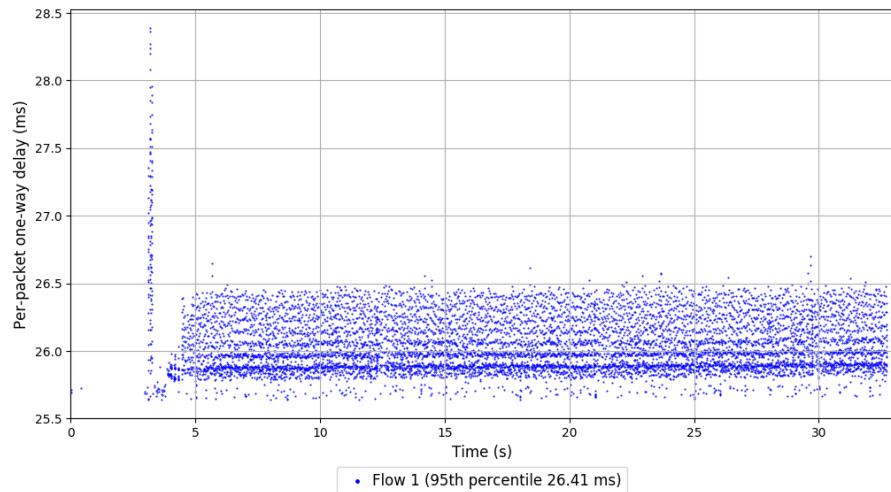
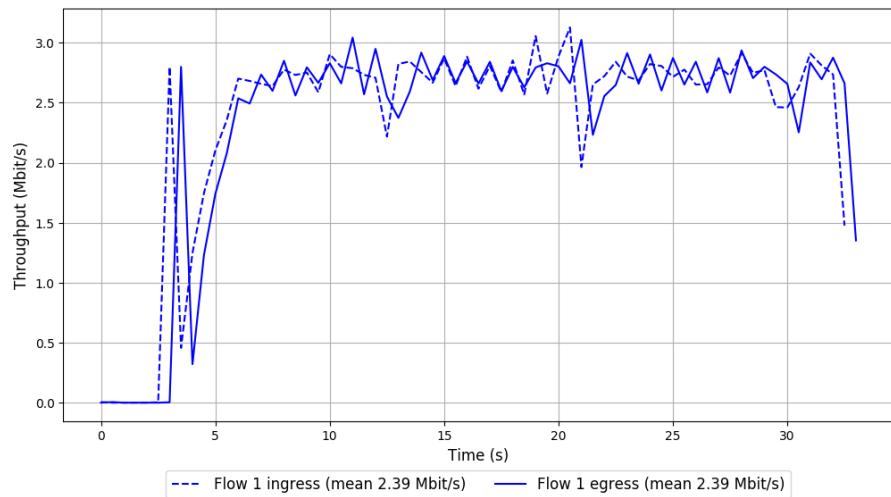


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-25 04:30:38
End at: 2018-05-25 04:31:08
Local clock offset: 0.35 ms
Remote clock offset: 2.45 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 26.409 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 26.409 ms
Loss rate: 0.22%
```

Run 9: Report of WebRTC media — Data Link



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

```
Start at: 2018-05-25 04:51:27
End at: 2018-05-25 04:51:57
Local clock offset: -0.216 ms
Remote clock offset: -0.341 ms

# Below is generated by plot.py at 2018-05-25 05:11:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 26.922 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 26.922 ms
Loss rate: 0.18%
```

Run 10: Report of WebRTC media — Data Link

