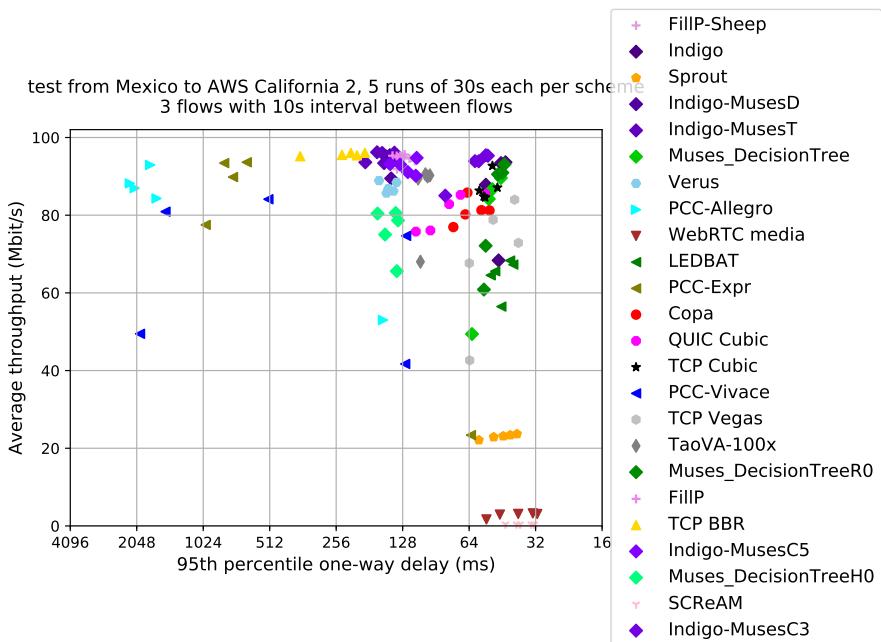
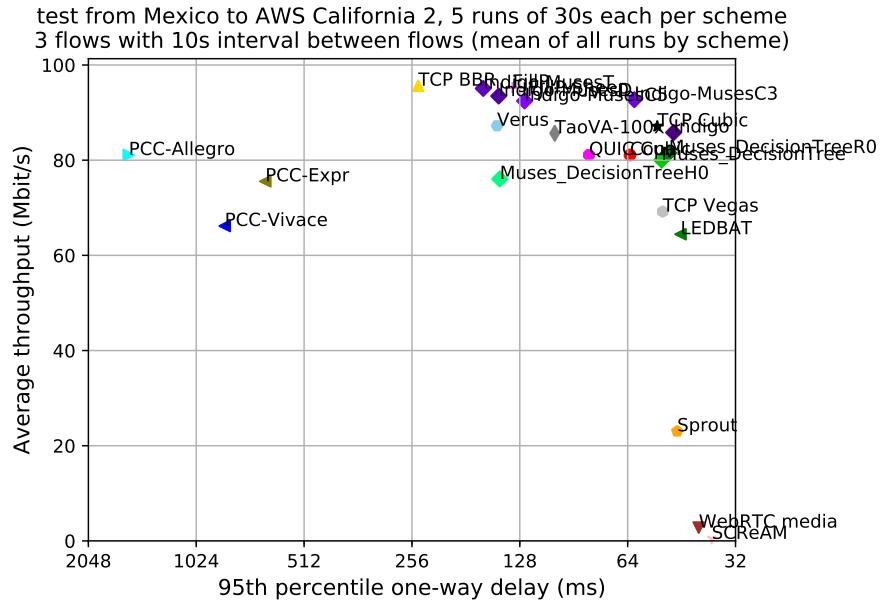


Pantheon Report

Generated at 2019-11-25 06:31:39 (UTC).
Data path: Mexico on `em1` (*remote*) → AWS California 2 on `ens5` (*local*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
System info:  
Linux 4.15.0-1051-aws  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec  
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966  
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
M receiver/src/buffer.h  
M receiver/src/core.cpp  
M sender/src/buffer.h  
M sender/src/core.cpp  
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



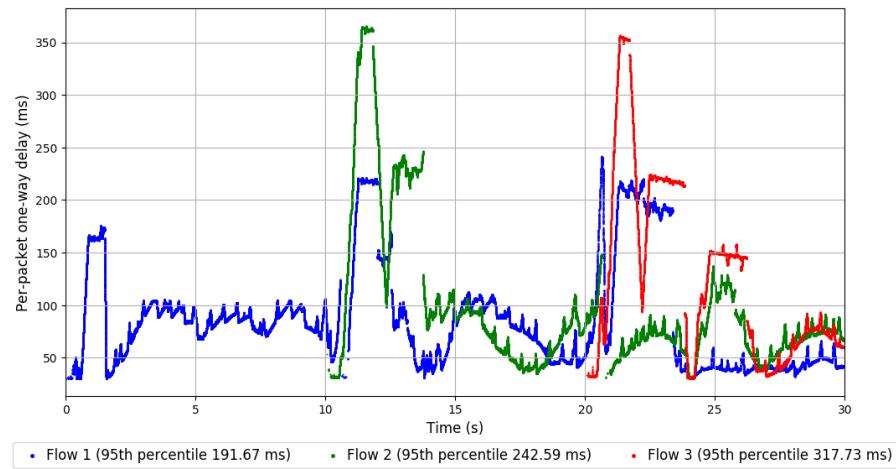
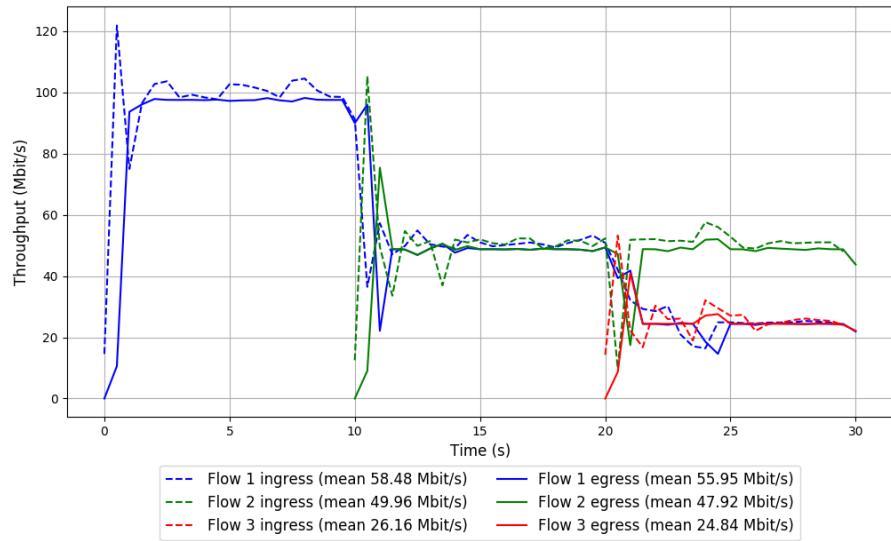
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 5 | 58.68 | 40.93 | 29.39 | 178.43 | 227.02 | 337.16 | 3.92 | 4.63 | 5.22 |
| Copa | 5 | 53.68 | 28.69 | 25.12 | 79.13 | 50.72 | 46.11 | 0.16 | 0.44 | 0.69 |
| TCP Cubic | 5 | 49.02 | 36.91 | 40.82 | 53.86 | 52.04 | 52.70 | 0.12 | 0.31 | 0.73 |
| FillP | 5 | 57.85 | 41.43 | 29.78 | 127.08 | 138.53 | 131.82 | 1.34 | 2.41 | 3.23 |
| FillP-Sheep | 5 | 56.28 | 39.02 | 35.50 | 122.71 | 118.72 | 110.20 | 0.60 | 2.54 | 4.12 |
| Indigo | 4 | 47.65 | 44.87 | 25.52 | 51.91 | 42.90 | 47.96 | 0.19 | 0.31 | 0.66 |
| Indigo-MusesC3 | 5 | 58.33 | 39.89 | 29.68 | 60.94 | 62.25 | 60.26 | 0.32 | 0.54 | 1.14 |
| Indigo-MusesC5 | 5 | 58.46 | 38.87 | 30.53 | 124.29 | 117.01 | 115.01 | 1.92 | 4.03 | 4.81 |
| Indigo-MusesD | 5 | 56.75 | 41.39 | 34.20 | 139.23 | 102.52 | 79.11 | 4.87 | 3.44 | 2.40 |
| Indigo-MusesT | 5 | 61.03 | 40.60 | 26.88 | 123.21 | 156.98 | 266.31 | 1.49 | 5.35 | 9.01 |
| LEDBAT | 5 | 38.60 | 28.92 | 20.04 | 43.87 | 47.46 | 47.65 | 0.20 | 0.35 | 0.73 |
| Muses_DecisionTree | 5 | 48.40 | 37.28 | 21.42 | 48.10 | 51.94 | 72.42 | 0.19 | 0.46 | 0.90 |
| Muses_DecisionTreeH0 | 5 | 47.49 | 31.74 | 23.24 | 152.80 | 145.24 | 96.93 | 0.31 | 0.42 | 0.83 |
| Muses_DecisionTreeR0 | 5 | 44.98 | 40.85 | 29.21 | 51.18 | 47.74 | 59.76 | 0.13 | 0.31 | 0.84 |
| PCC-Allegro | 5 | 49.54 | 36.85 | 21.48 | 1575.64 | 248.46 | 146.61 | 7.81 | 2.18 | 0.85 |
| PCC-Expr | 5 | 48.80 | 28.31 | 24.13 | 612.89 | 571.32 | 187.63 | 30.15 | 16.14 | 3.00 |
| QUIC Cubic | 5 | 48.24 | 35.09 | 28.94 | 72.07 | 97.33 | 126.05 | 0.19 | 0.41 | 1.05 |
| SCReAM | 5 | 0.21 | 0.21 | 0.22 | 38.99 | 34.16 | 38.36 | 0.23 | 0.40 | 0.71 |
| Sprout | 5 | 11.54 | 11.67 | 11.38 | 48.55 | 43.21 | 45.54 | 0.21 | 0.44 | 0.58 |
| TaoVA-100x | 5 | 50.17 | 25.76 | 60.26 | 92.51 | 122.55 | 99.30 | 0.10 | 0.15 | 0.91 |
| TCP Vegas | 5 | 43.81 | 27.13 | 22.08 | 53.10 | 51.63 | 41.37 | 0.19 | 0.32 | 0.72 |
| Verus | 5 | 52.24 | 39.67 | 25.98 | 149.30 | 111.81 | 219.41 | 0.48 | 0.53 | 1.34 |
| PCC-Vivace | 5 | 45.10 | 20.67 | 22.32 | 899.57 | 92.49 | 143.01 | 3.37 | 0.62 | 2.42 |
| WebRTC media | 5 | 1.43 | 1.00 | 0.38 | 41.31 | 37.58 | 43.51 | 0.16 | 0.21 | 0.67 |

Run 1: Statistics of TCP BBR

```
Start at: 2019-11-24 16:30:51
End at: 2019-11-24 16:31:21
Local clock offset: 3.473 ms
Remote clock offset: 4.237 ms

# Below is generated by plot.py at 2019-11-25 06:17:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 219.690 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 191.666 ms
Loss rate: 4.53%
-- Flow 2:
Average throughput: 47.92 Mbit/s
95th percentile per-packet one-way delay: 242.585 ms
Loss rate: 4.52%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 317.731 ms
Loss rate: 5.69%
```

Run 1: Report of TCP BBR — Data Link

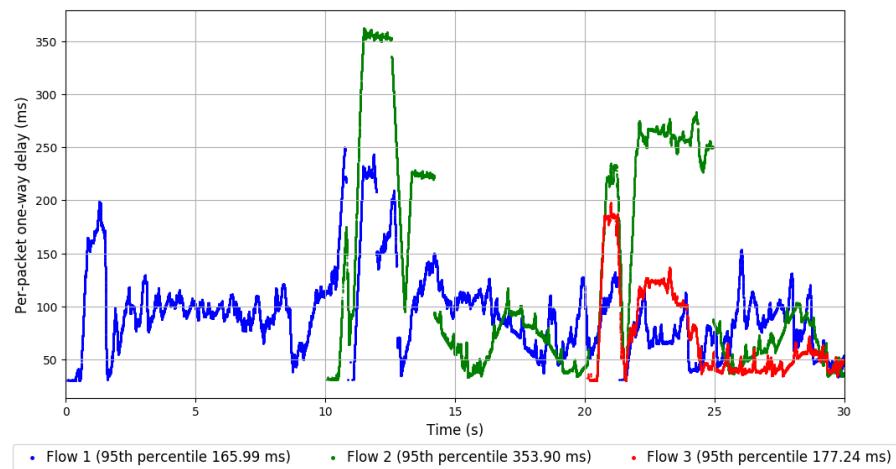
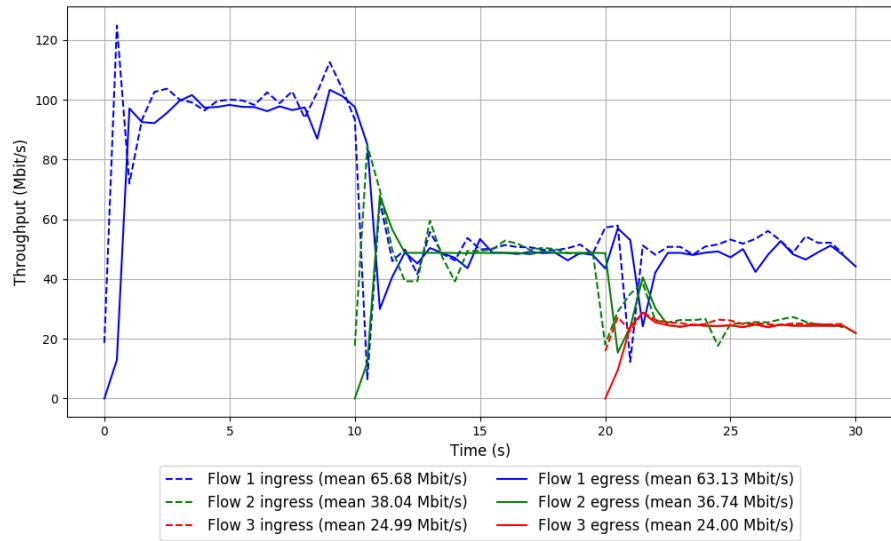


Run 2: Statistics of TCP BBR

```
Start at: 2019-11-24 18:02:26
End at: 2019-11-24 18:02:56
Local clock offset: 4.622 ms
Remote clock offset: 4.371 ms

# Below is generated by plot.py at 2019-11-25 06:17:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 240.796 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 165.986 ms
Loss rate: 4.08%
-- Flow 2:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 353.902 ms
Loss rate: 3.73%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 177.235 ms
Loss rate: 4.62%
```

Run 2: Report of TCP BBR — Data Link

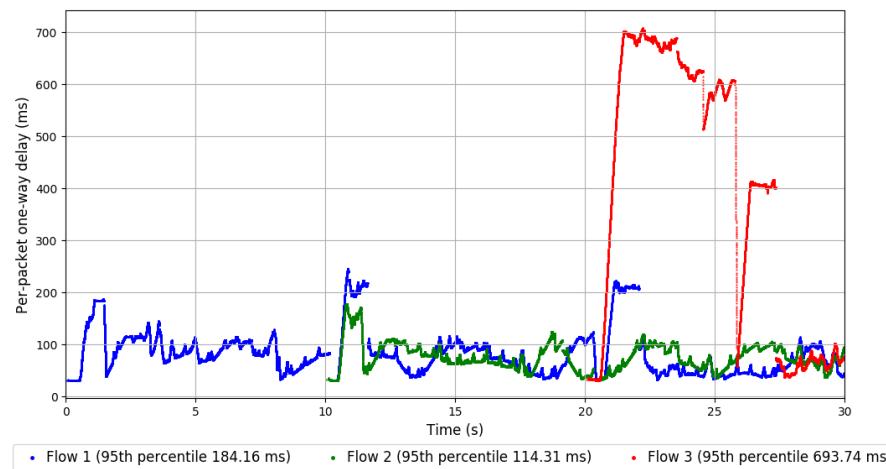
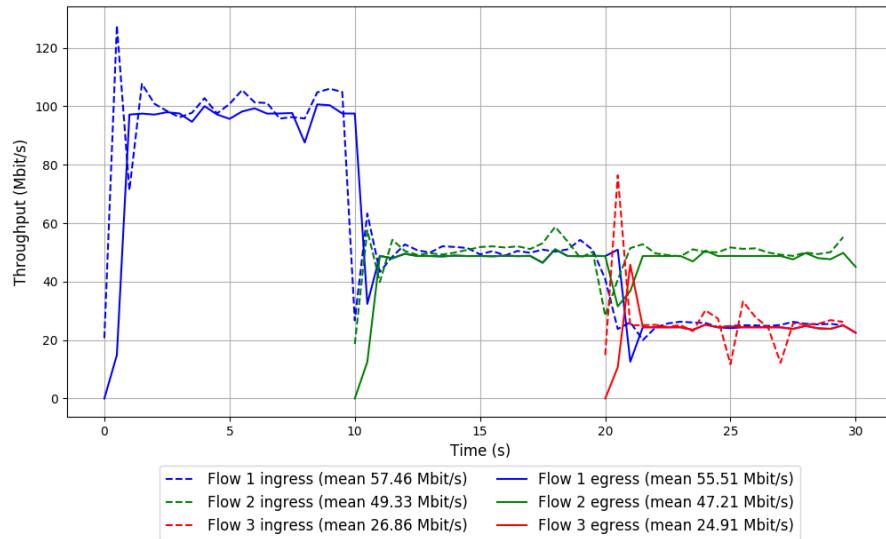


Run 3: Statistics of TCP BBR

```
Start at: 2019-11-25 00:09:59
End at: 2019-11-25 00:10:29
Local clock offset: 3.618 ms
Remote clock offset: 5.271 ms

# Below is generated by plot.py at 2019-11-25 06:17:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 372.517 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 55.51 Mbit/s
95th percentile per-packet one-way delay: 184.161 ms
Loss rate: 3.59%
-- Flow 2:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 114.311 ms
Loss rate: 4.61%
-- Flow 3:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 693.742 ms
Loss rate: 7.87%
```

Run 3: Report of TCP BBR — Data Link

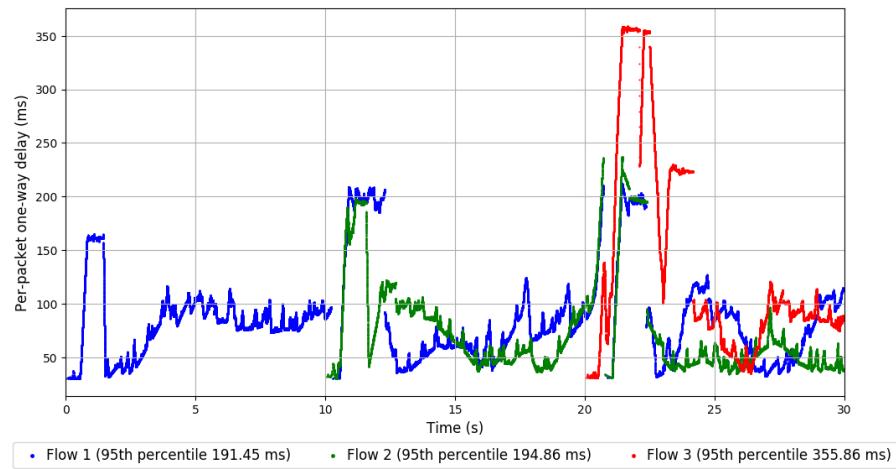
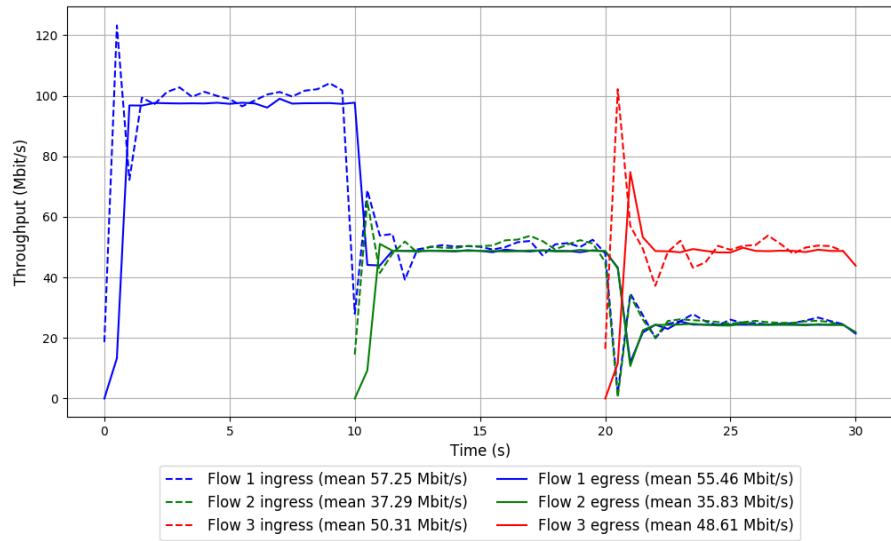


Run 4: Statistics of TCP BBR

```
Start at: 2019-11-25 02:25:41
End at: 2019-11-25 02:26:11
Local clock offset: 3.977 ms
Remote clock offset: 3.11 ms

# Below is generated by plot.py at 2019-11-25 06:17:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 206.192 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 191.452 ms
Loss rate: 3.32%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 194.860 ms
Loss rate: 4.23%
-- Flow 3:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 355.859 ms
Loss rate: 4.01%
```

Run 4: Report of TCP BBR — Data Link

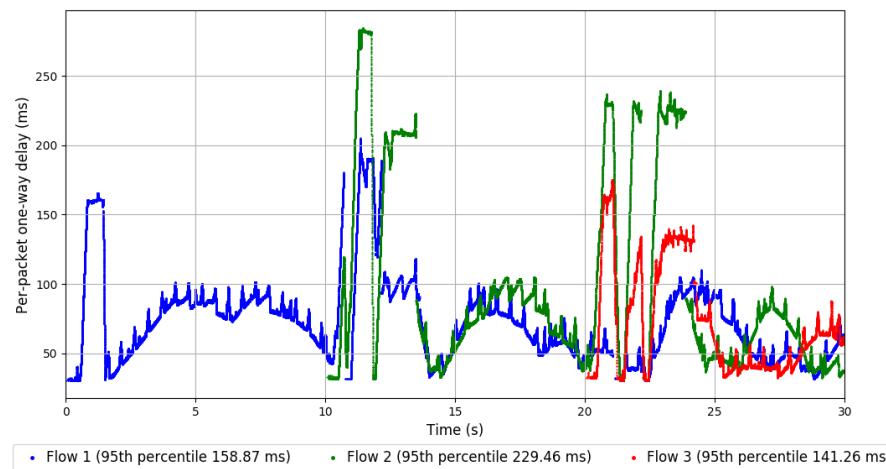
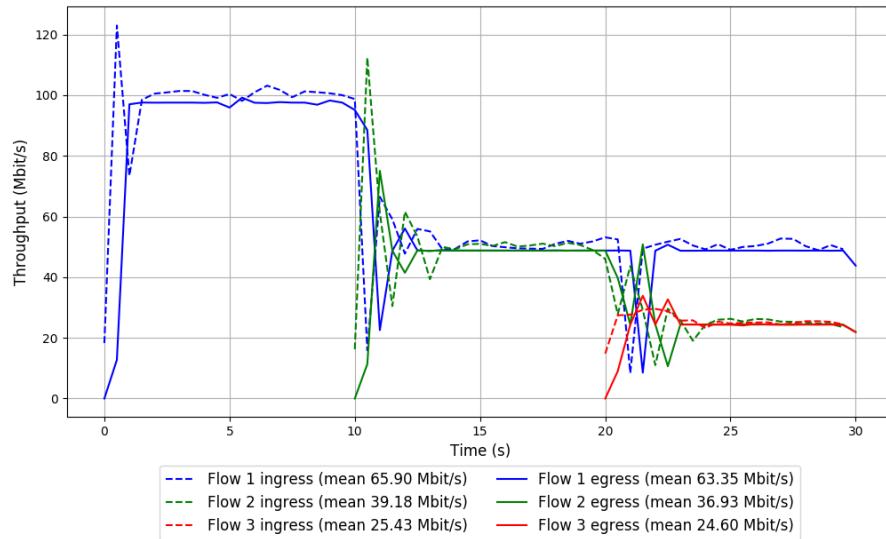


Run 5: Statistics of TCP BBR

```
Start at: 2019-11-25 05:34:55
End at: 2019-11-25 05:35:25
Local clock offset: 2.988 ms
Remote clock offset: 4.027 ms

# Below is generated by plot.py at 2019-11-25 06:17:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 189.882 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 63.35 Mbit/s
95th percentile per-packet one-way delay: 158.871 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 229.458 ms
Loss rate: 6.07%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 141.256 ms
Loss rate: 3.92%
```

Run 5: Report of TCP BBR — Data Link

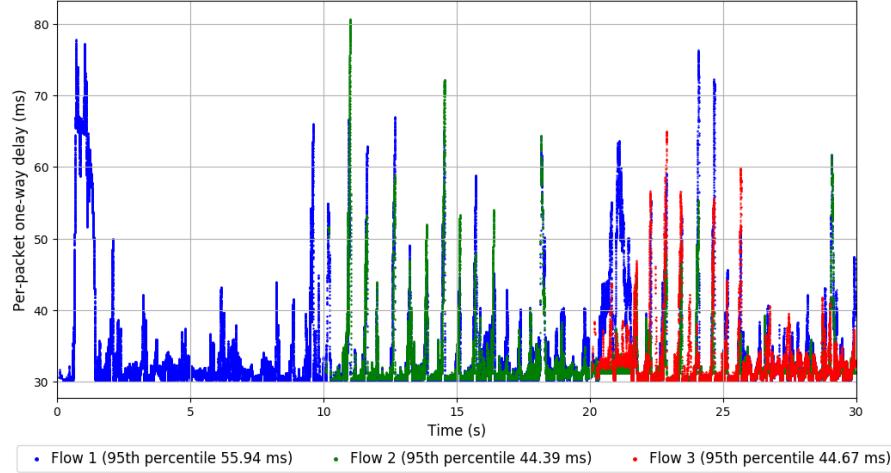
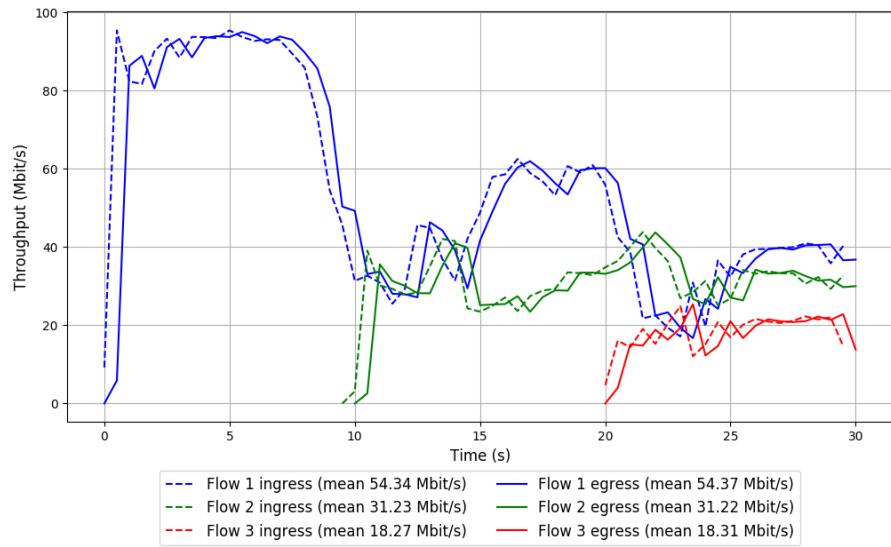


Run 1: Statistics of Copa

```
Start at: 2019-11-24 16:54:36
End at: 2019-11-24 16:55:06
Local clock offset: 3.444 ms
Remote clock offset: 4.168 ms

# Below is generated by plot.py at 2019-11-25 06:18:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.22 Mbit/s
95th percentile per-packet one-way delay: 51.753 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.37 Mbit/s
95th percentile per-packet one-way delay: 55.940 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 44.394 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 44.670 ms
Loss rate: 0.42%
```

Run 1: Report of Copa — Data Link

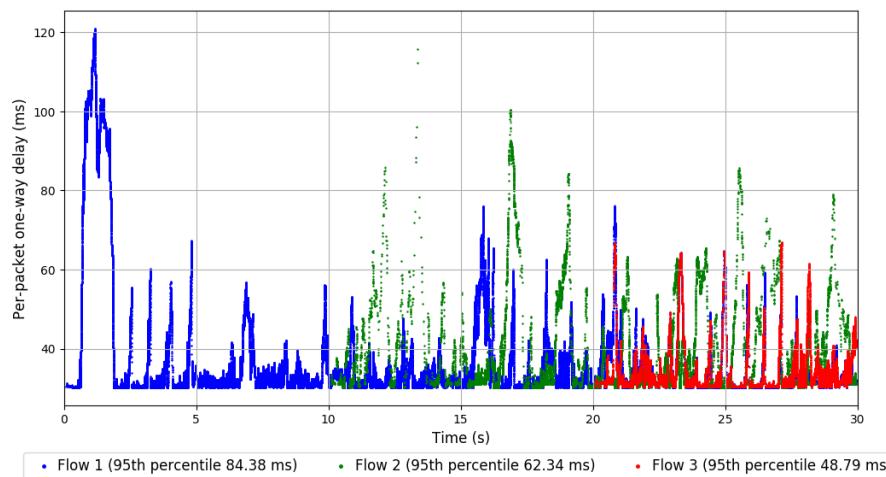
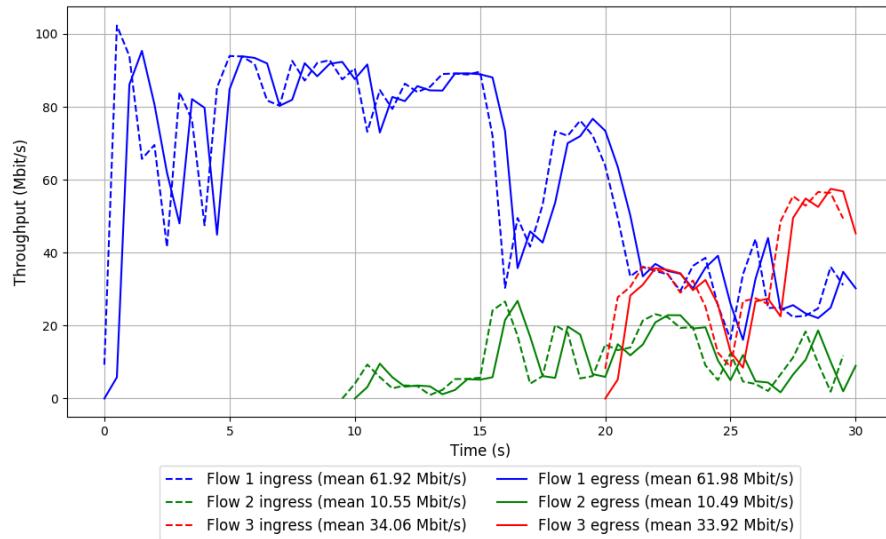


Run 2: Statistics of Copa

```
Start at: 2019-11-24 19:15:26
End at: 2019-11-24 19:15:56
Local clock offset: 3.374 ms
Remote clock offset: 3.015 ms

# Below is generated by plot.py at 2019-11-25 06:18:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 66.580 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 84.376 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 62.343 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 48.790 ms
Loss rate: 1.05%
```

Run 2: Report of Copa — Data Link

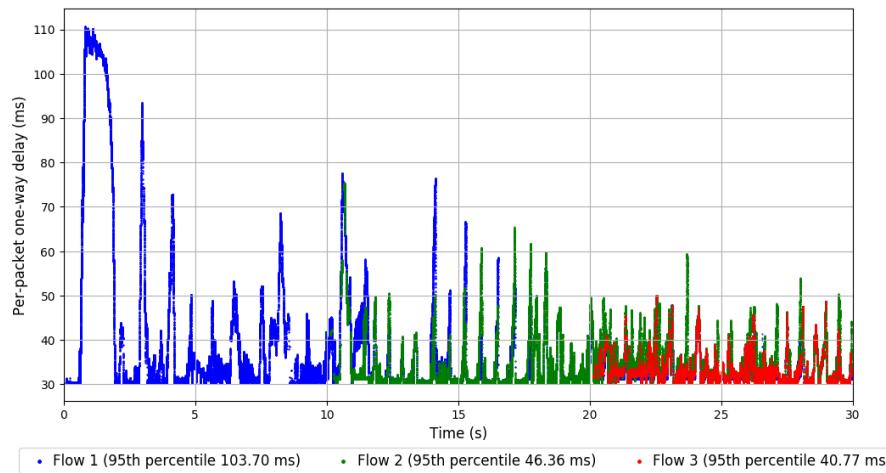
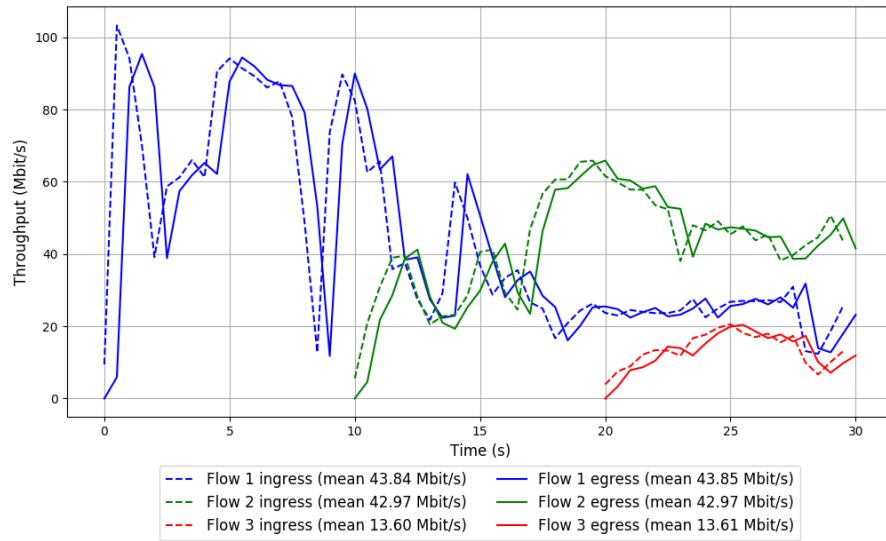


Run 3: Statistics of Copa

```
Start at: 2019-11-25 00:32:15
End at: 2019-11-25 00:32:45
Local clock offset: 2.47 ms
Remote clock offset: 4.949 ms

# Below is generated by plot.py at 2019-11-25 06:18:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.94 Mbit/s
95th percentile per-packet one-way delay: 75.460 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 103.698 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 46.359 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 0.72%
```

Run 3: Report of Copa — Data Link

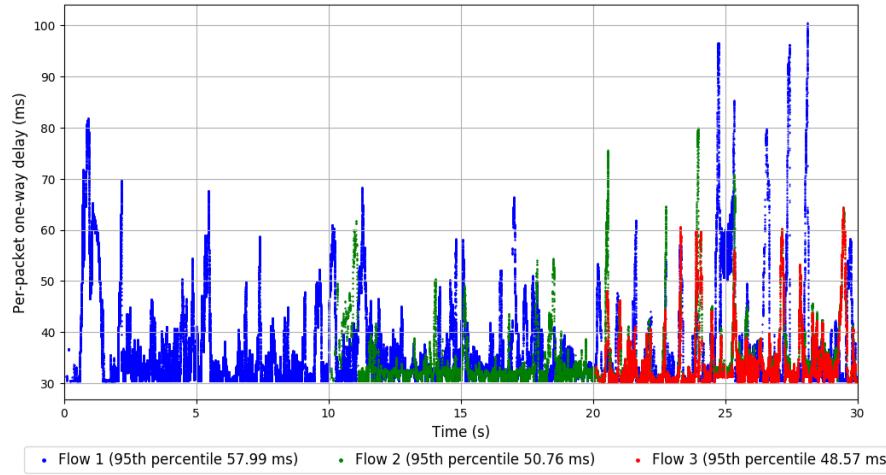
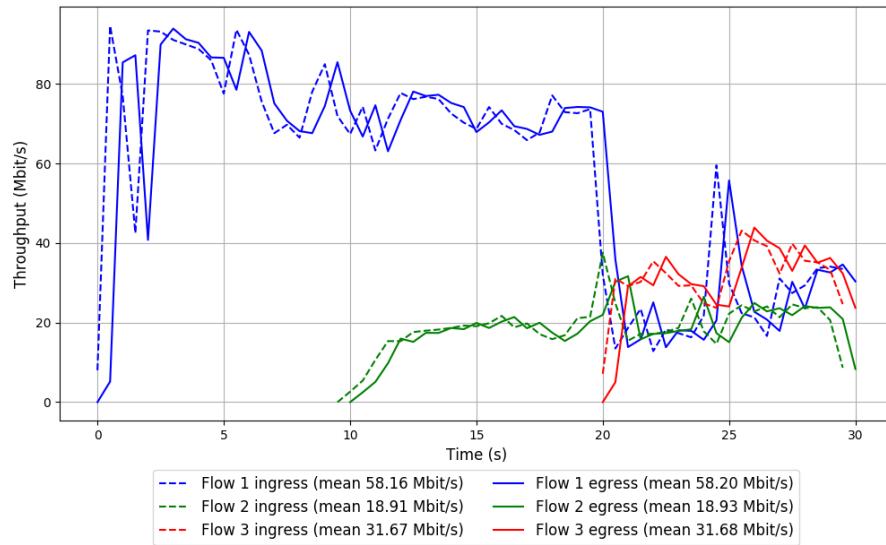


Run 4: Statistics of Copa

```
Start at: 2019-11-25 03:37:35
End at: 2019-11-25 03:38:05
Local clock offset: 3.801 ms
Remote clock offset: 5.213 ms

# Below is generated by plot.py at 2019-11-25 06:19:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.28 Mbit/s
95th percentile per-packet one-way delay: 56.319 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 57.991 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 50.756 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 48.566 ms
Loss rate: 0.62%
```

Run 4: Report of Copa — Data Link

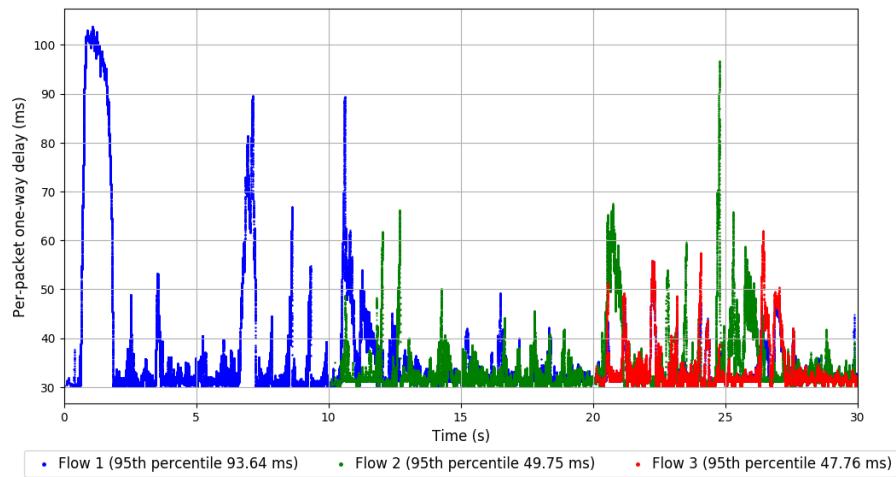
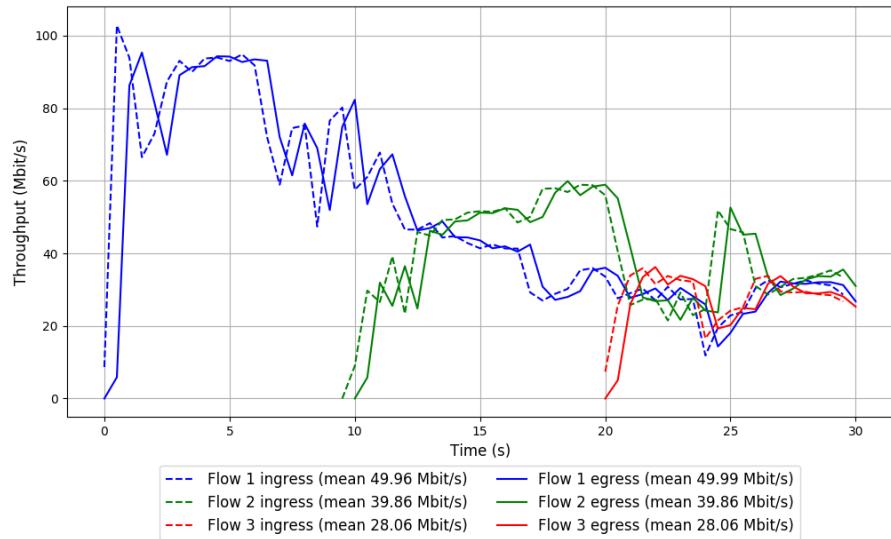


Run 5: Statistics of Copa

```
Start at: 2019-11-25 05:54:08
End at: 2019-11-25 05:54:38
Local clock offset: 3.163 ms
Remote clock offset: 3.983 ms

# Below is generated by plot.py at 2019-11-25 06:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 65.167 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 93.645 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 49.753 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 47.759 ms
Loss rate: 0.63%
```

Run 5: Report of Copa — Data Link

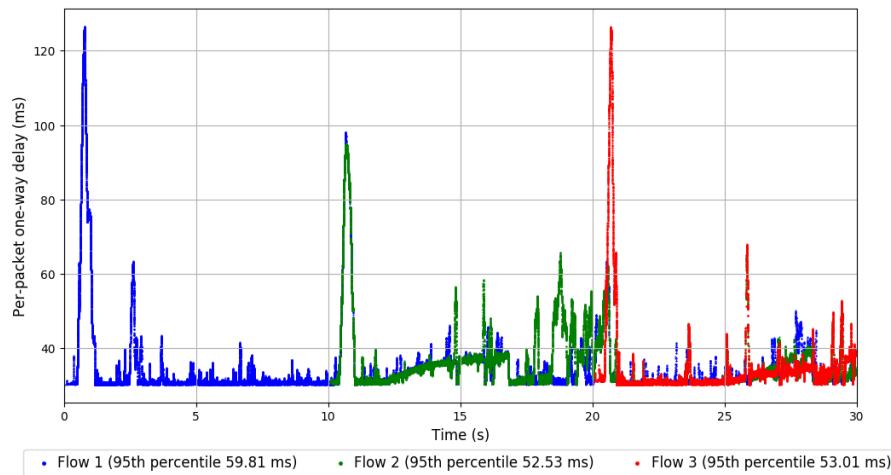
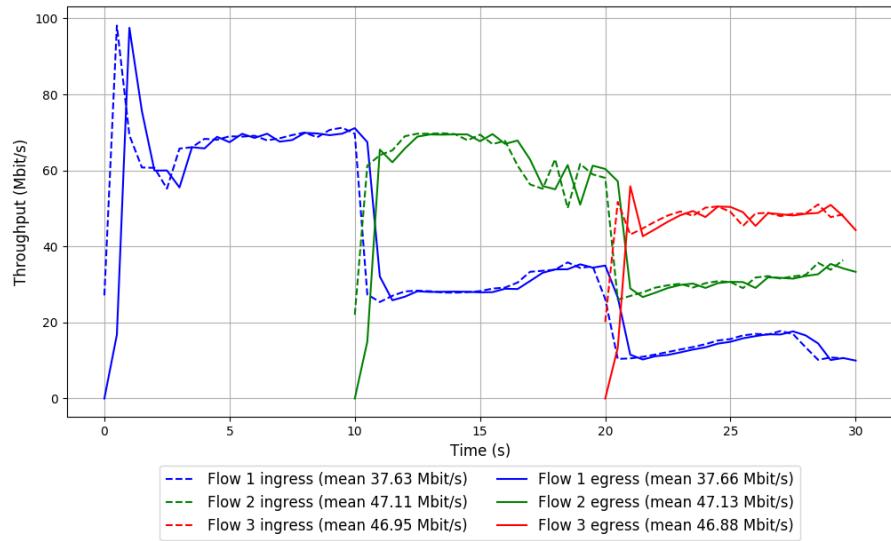


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-11-24 15:47:39
End at: 2019-11-24 15:48:09
Local clock offset: 3.154 ms
Remote clock offset: 3.837 ms

# Below is generated by plot.py at 2019-11-25 06:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 54.134 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 59.812 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 52.527 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 46.88 Mbit/s
95th percentile per-packet one-way delay: 53.009 ms
Loss rate: 0.79%
```

Run 1: Report of TCP Cubic — Data Link

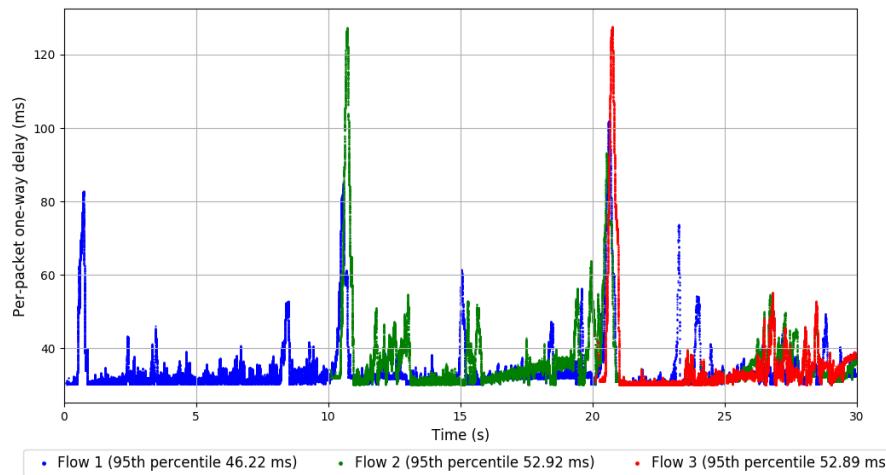
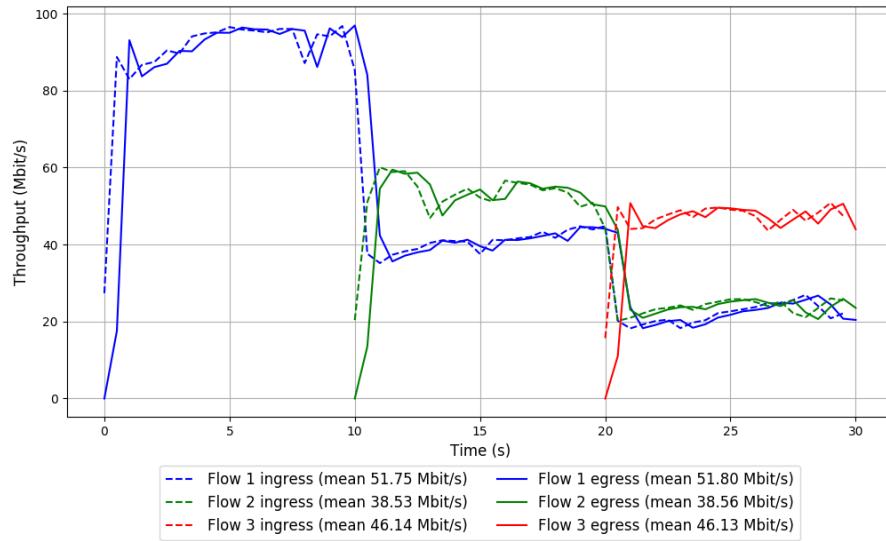


Run 2: Statistics of TCP Cubic

```
Start at: 2019-11-24 17:09:47
End at: 2019-11-24 17:10:17
Local clock offset: 3.527 ms
Remote clock offset: 4.213 ms

# Below is generated by plot.py at 2019-11-25 06:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 50.203 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: 46.222 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.56 Mbit/s
95th percentile per-packet one-way delay: 52.924 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 52.891 ms
Loss rate: 0.79%
```

Run 2: Report of TCP Cubic — Data Link

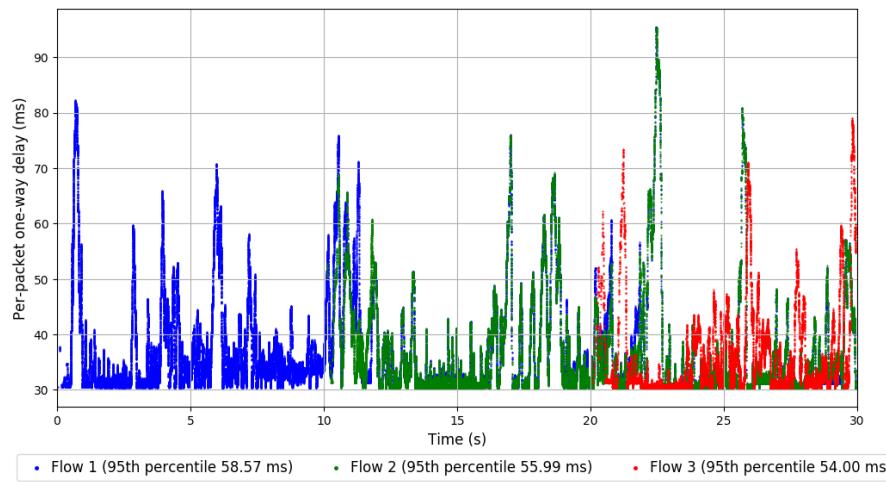
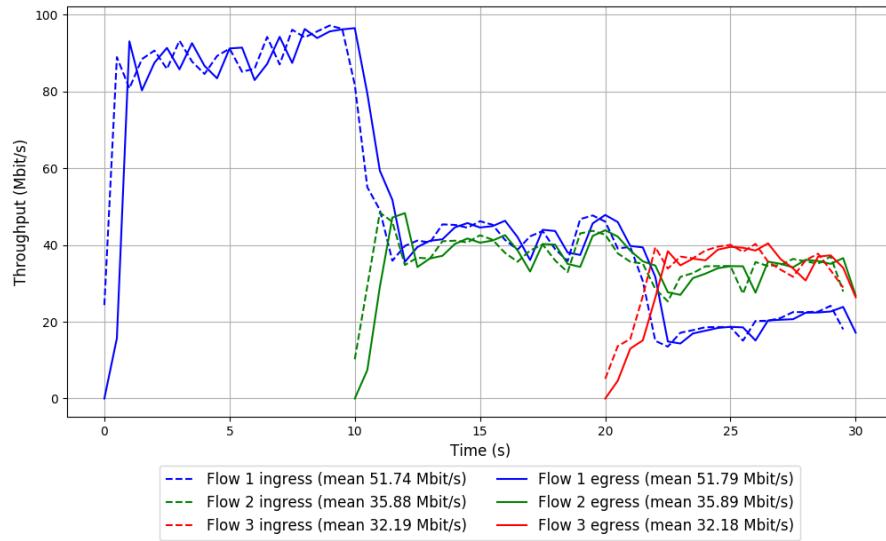


Run 3: Statistics of TCP Cubic

```
Start at: 2019-11-24 21:40:54
End at: 2019-11-24 21:41:24
Local clock offset: 2.363 ms
Remote clock offset: 7.953 ms

# Below is generated by plot.py at 2019-11-25 06:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 57.540 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 51.79 Mbit/s
95th percentile per-packet one-way delay: 58.574 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 55.992 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 53.999 ms
Loss rate: 0.71%
```

Run 3: Report of TCP Cubic — Data Link

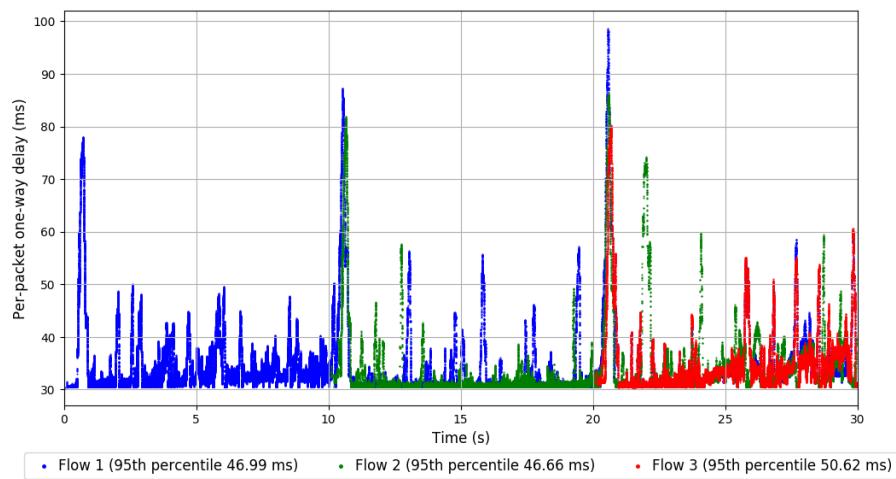
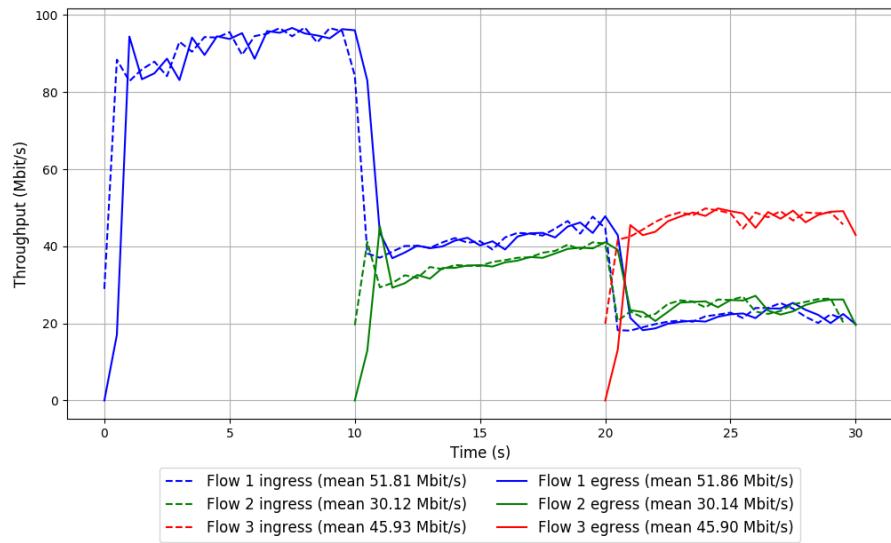


Run 4: Statistics of TCP Cubic

```
Start at: 2019-11-25 00:56:02
End at: 2019-11-25 00:56:32
Local clock offset: 3.062 ms
Remote clock offset: 5.7 ms

# Below is generated by plot.py at 2019-11-25 06:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 47.650 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 46.993 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 46.659 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 45.90 Mbit/s
95th percentile per-packet one-way delay: 50.621 ms
Loss rate: 0.71%
```

Run 4: Report of TCP Cubic — Data Link

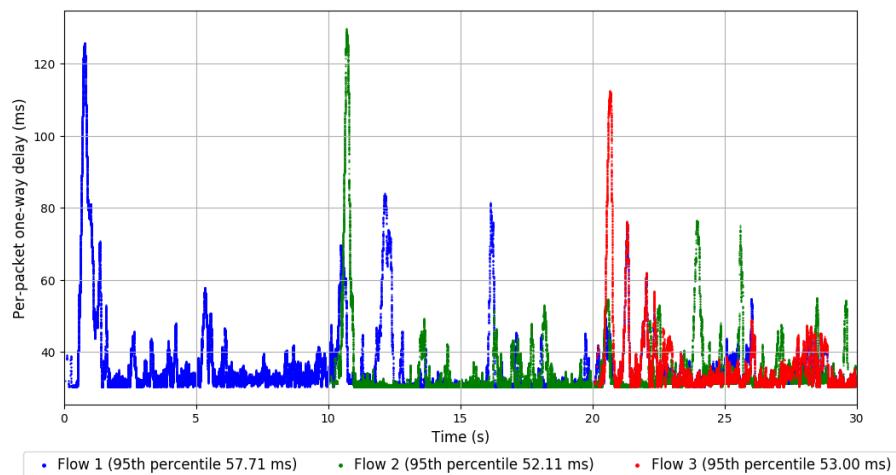
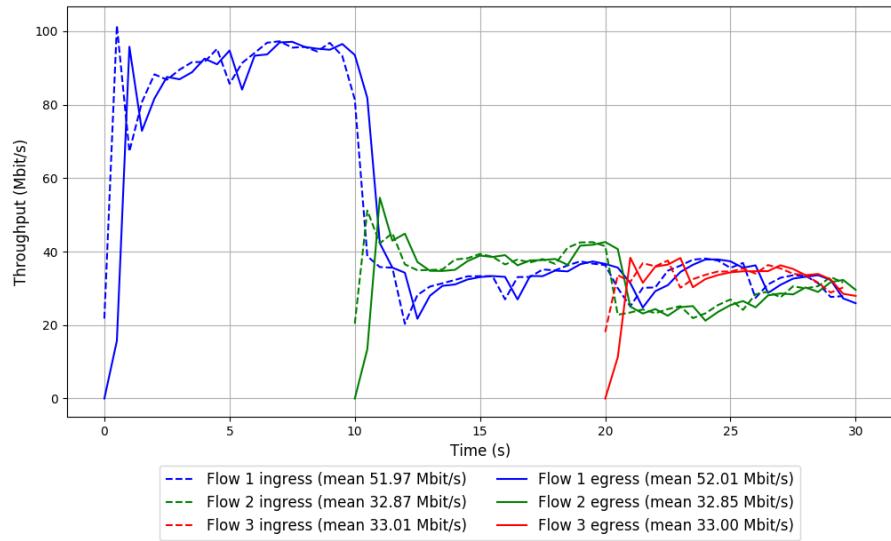


Run 5: Statistics of TCP Cubic

```
Start at: 2019-11-25 04:28:59
End at: 2019-11-25 04:29:29
Local clock offset: 3.415 ms
Remote clock offset: 3.333 ms

# Below is generated by plot.py at 2019-11-25 06:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 54.995 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 57.713 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 52.111 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 52.997 ms
Loss rate: 0.66%
```

Run 5: Report of TCP Cubic — Data Link

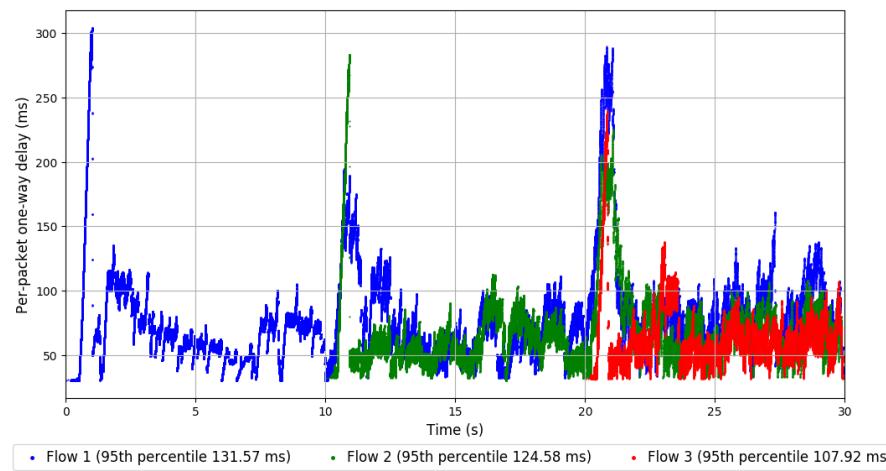
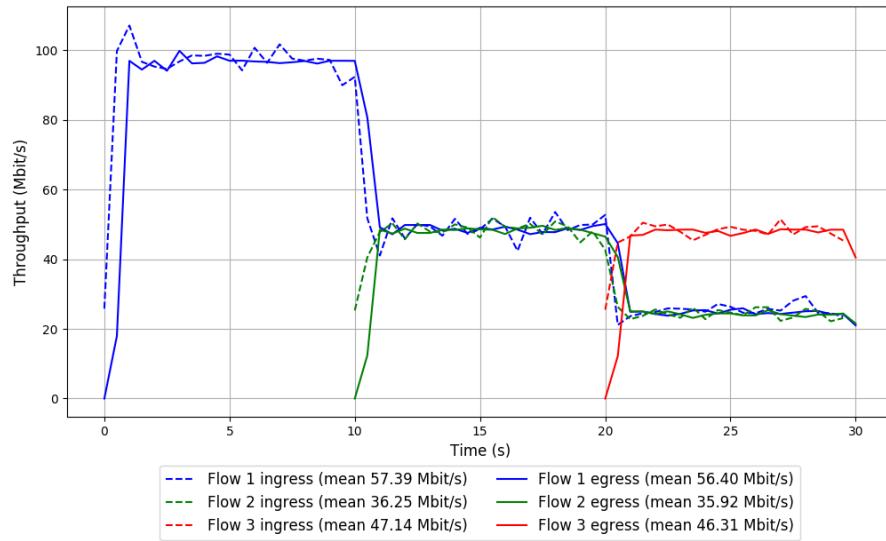


```
Run 1: Statistics of FillP
```

```
Start at: 2019-11-24 16:02:37
End at: 2019-11-24 16:03:07
Local clock offset: 2.977 ms
Remote clock offset: 3.872 ms

# Below is generated by plot.py at 2019-11-25 06:19:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 125.381 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 131.568 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 124.581 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 107.919 ms
Loss rate: 2.39%
```

Run 1: Report of FillP — Data Link

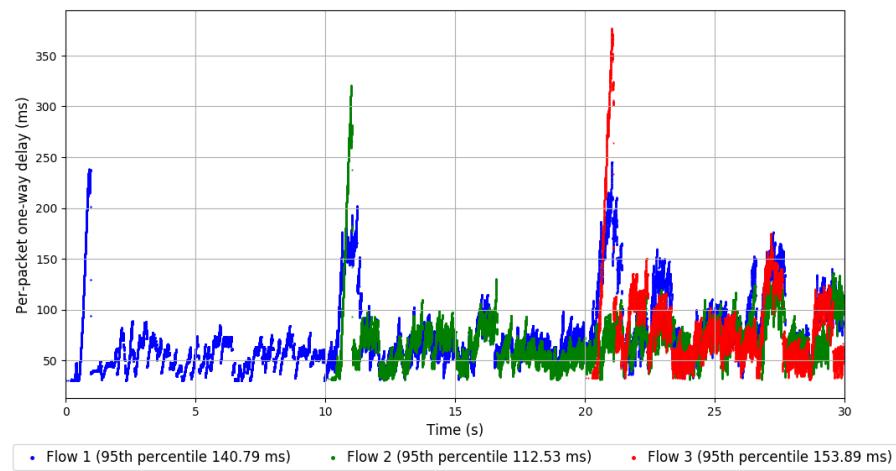
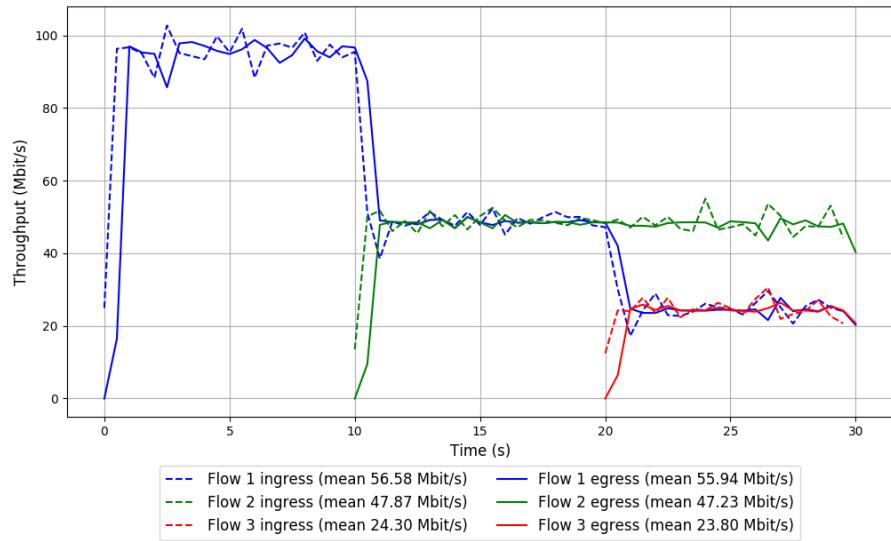


Run 2: Statistics of FillP

```
Start at: 2019-11-24 17:25:39
End at: 2019-11-24 17:26:09
Local clock offset: 4.165 ms
Remote clock offset: 4.216 ms

# Below is generated by plot.py at 2019-11-25 06:19:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 131.264 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 140.788 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 47.23 Mbit/s
95th percentile per-packet one-way delay: 112.527 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 153.886 ms
Loss rate: 2.56%
```

Run 2: Report of FillP — Data Link

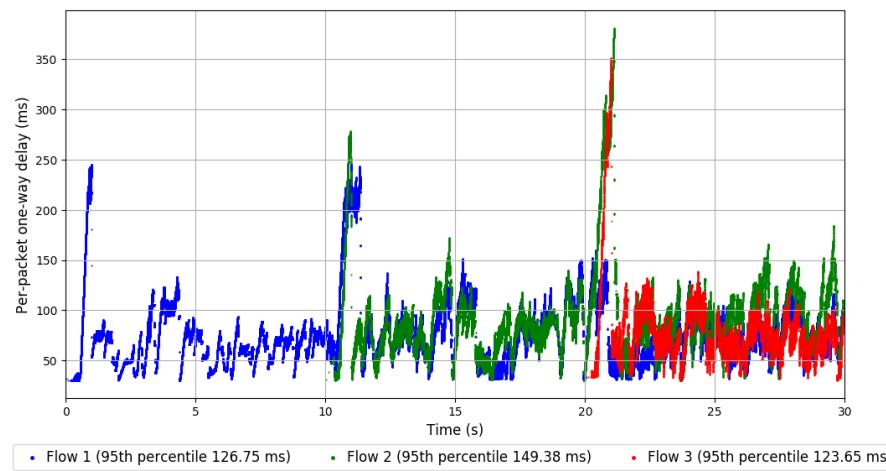
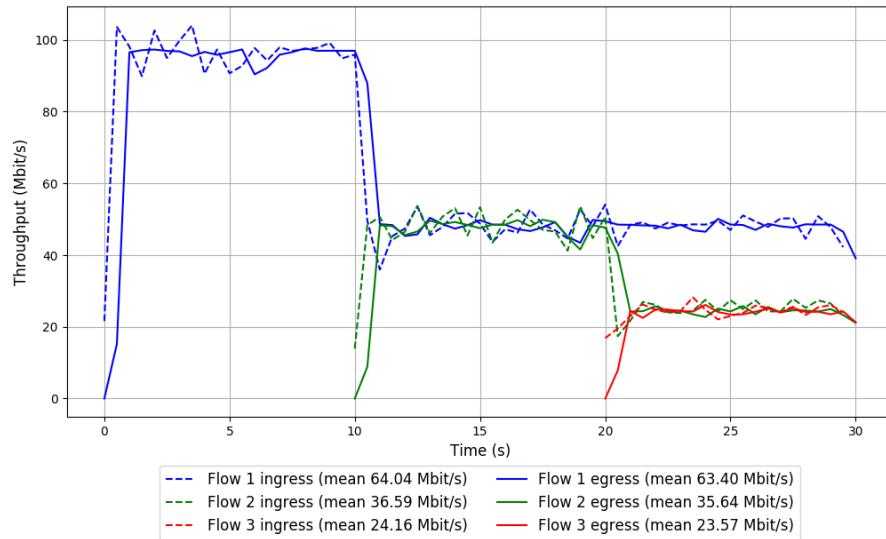


Run 3: Statistics of FillP

```
Start at: 2019-11-24 23:08:23
End at: 2019-11-24 23:08:53
Local clock offset: 3.501 ms
Remote clock offset: 10.233 ms

# Below is generated by plot.py at 2019-11-25 06:19:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 134.460 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 63.40 Mbit/s
95th percentile per-packet one-way delay: 126.755 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 149.382 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 123.654 ms
Loss rate: 2.99%
```

Run 3: Report of FillP — Data Link

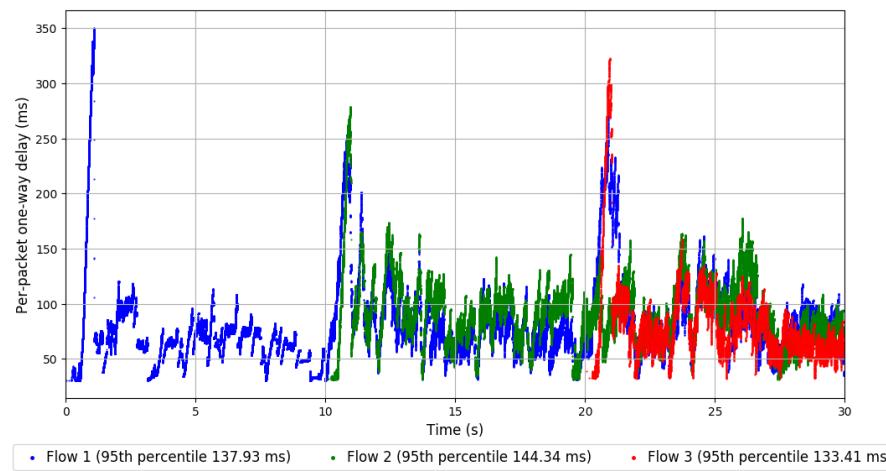
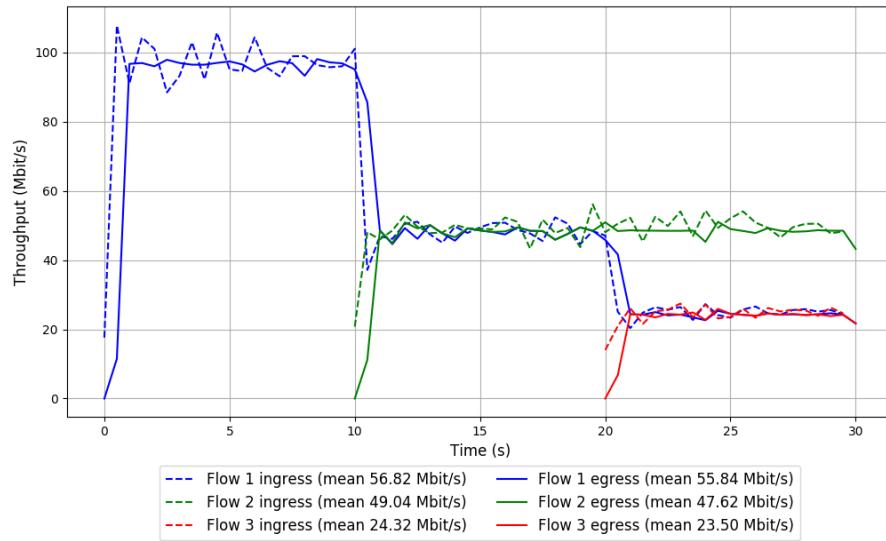


Run 4: Statistics of FillP

```
Start at: 2019-11-25 01:18:37
End at: 2019-11-25 01:19:07
Local clock offset: 3.385 ms
Remote clock offset: 5.946 ms

# Below is generated by plot.py at 2019-11-25 06:20:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 142.306 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 55.84 Mbit/s
95th percentile per-packet one-way delay: 137.931 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 144.340 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 133.411 ms
Loss rate: 4.08%
```

Run 4: Report of FillP — Data Link

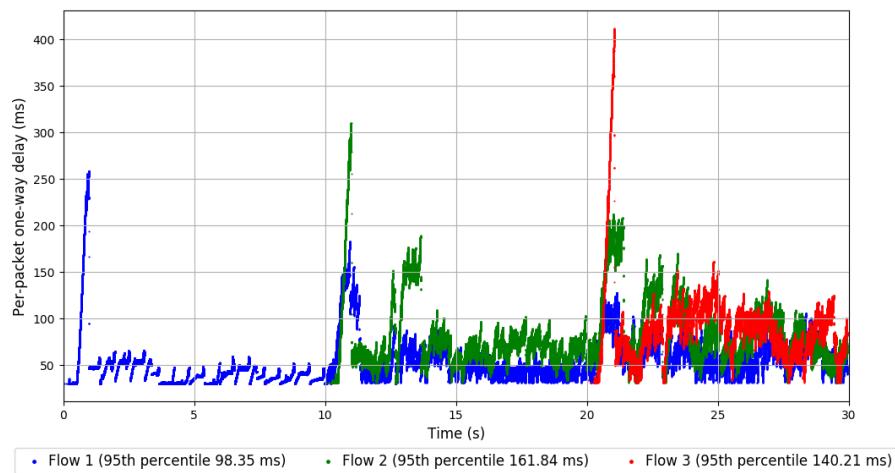
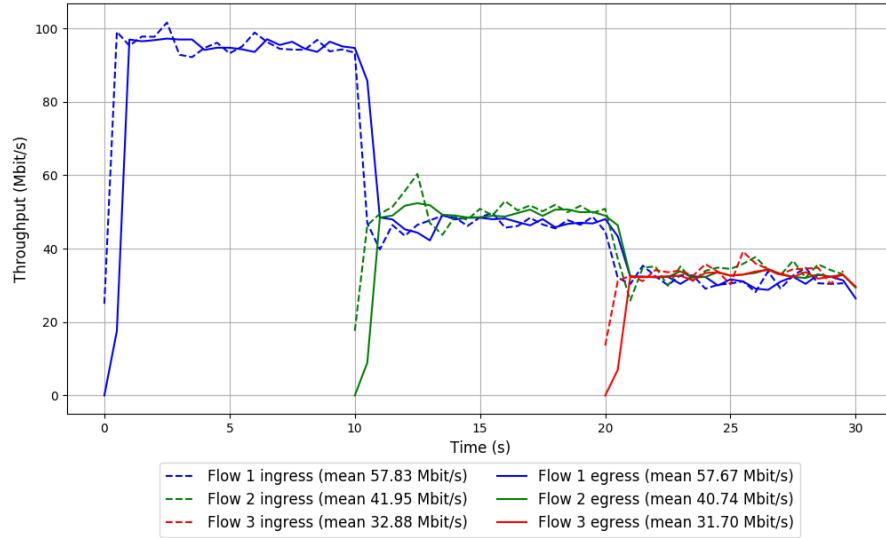


Run 5: Statistics of FillP

```
Start at: 2019-11-25 05:03:29
End at: 2019-11-25 05:03:59
Local clock offset: 4.033 ms
Remote clock offset: 3.664 ms

# Below is generated by plot.py at 2019-11-25 06:20:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 136.246 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 98.350 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 161.835 ms
Loss rate: 3.10%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 140.211 ms
Loss rate: 4.14%
```

Run 5: Report of FillP — Data Link

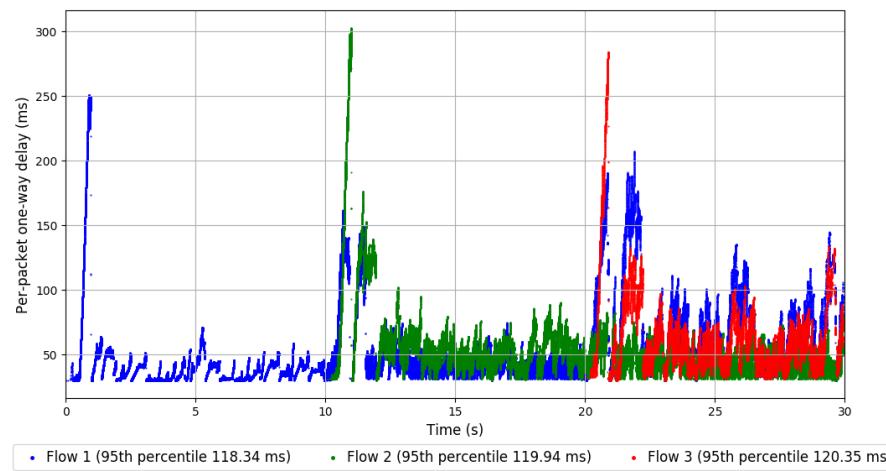
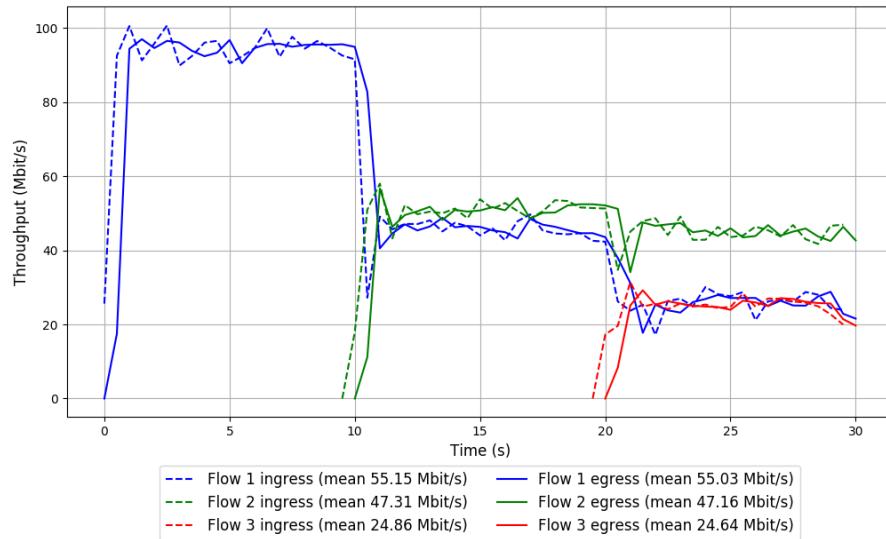


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-11-24 17:05:54
End at: 2019-11-24 17:06:24
Local clock offset: 3.526 ms
Remote clock offset: 4.104 ms

# Below is generated by plot.py at 2019-11-25 06:20:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 119.160 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 118.342 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 119.940 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 120.353 ms
Loss rate: 1.26%
```

Run 1: Report of FillP-Sheep — Data Link

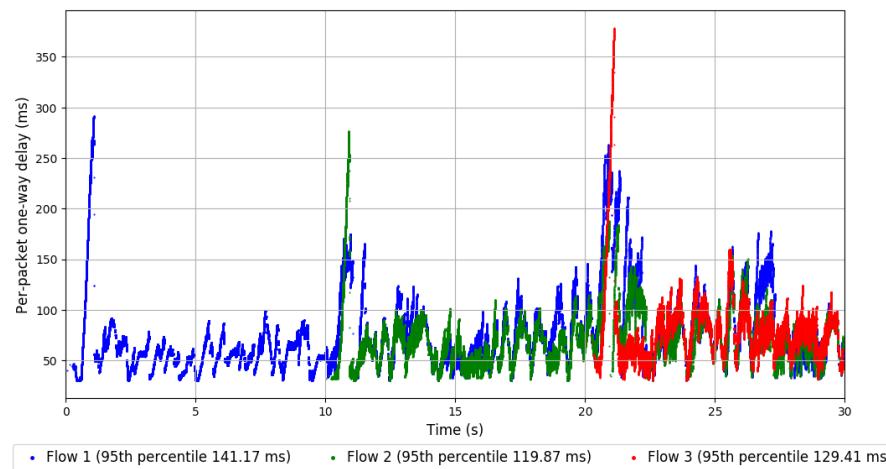
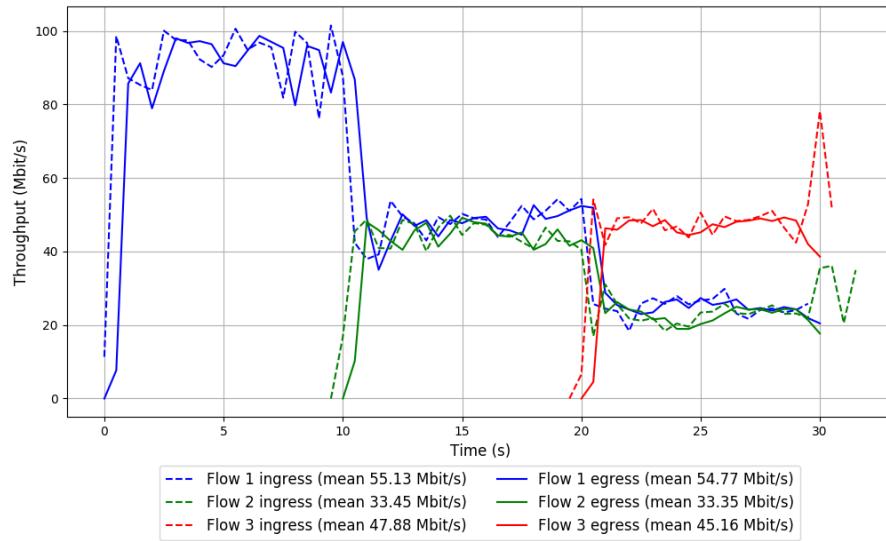


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-11-24 20:11:58
End at: 2019-11-24 20:12:28
Local clock offset: 3.334 ms
Remote clock offset: 14.505 ms

# Below is generated by plot.py at 2019-11-25 06:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 135.742 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 141.174 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 119.870 ms
Loss rate: 9.73%
-- Flow 3:
Average throughput: 45.16 Mbit/s
95th percentile per-packet one-way delay: 129.412 ms
Loss rate: 15.25%
```

Run 2: Report of FillP-Sheep — Data Link

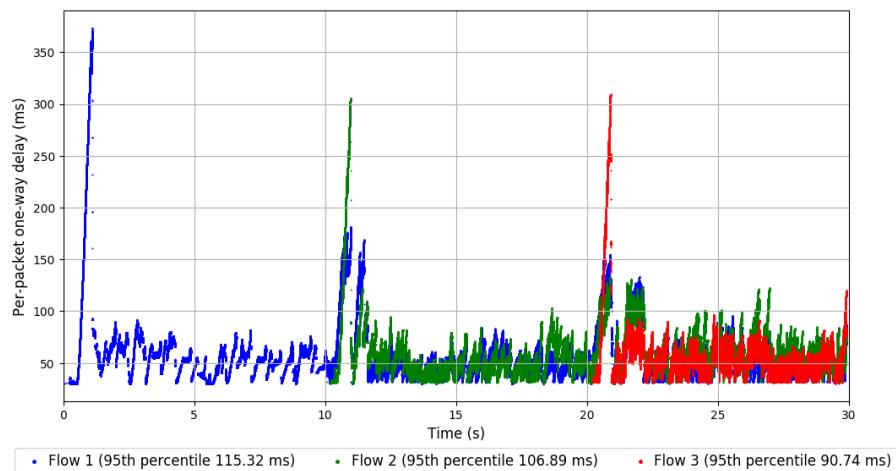
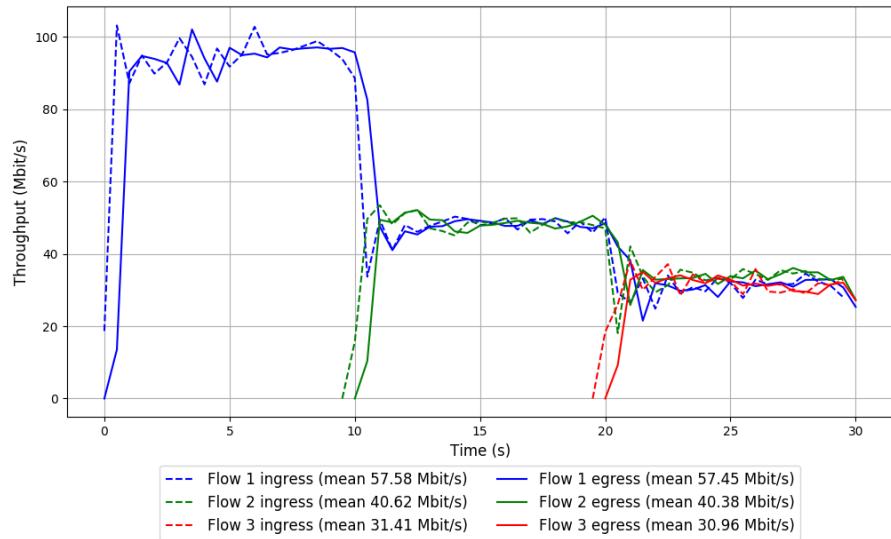


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-11-25 00:50:46
End at: 2019-11-25 00:51:16
Local clock offset: 2.921 ms
Remote clock offset: 5.696 ms

# Below is generated by plot.py at 2019-11-25 06:20:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 109.548 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 115.319 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 106.888 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 90.739 ms
Loss rate: 1.60%
```

Run 3: Report of FillP-Sheep — Data Link

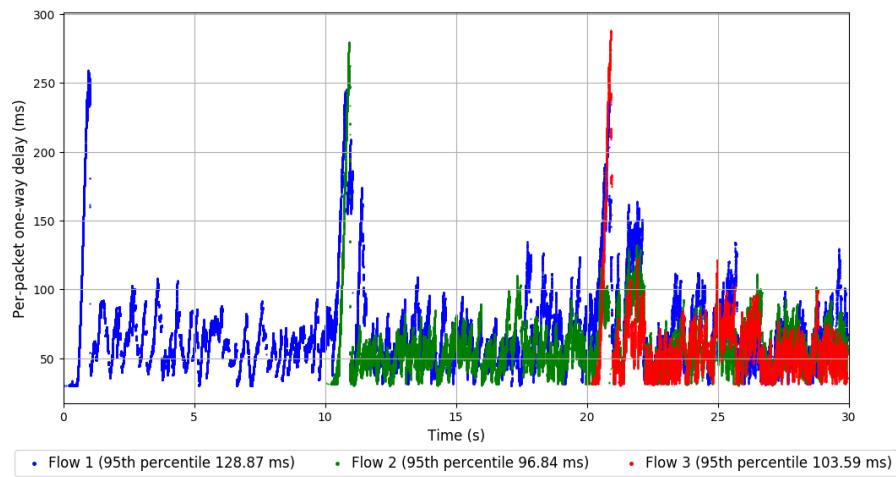
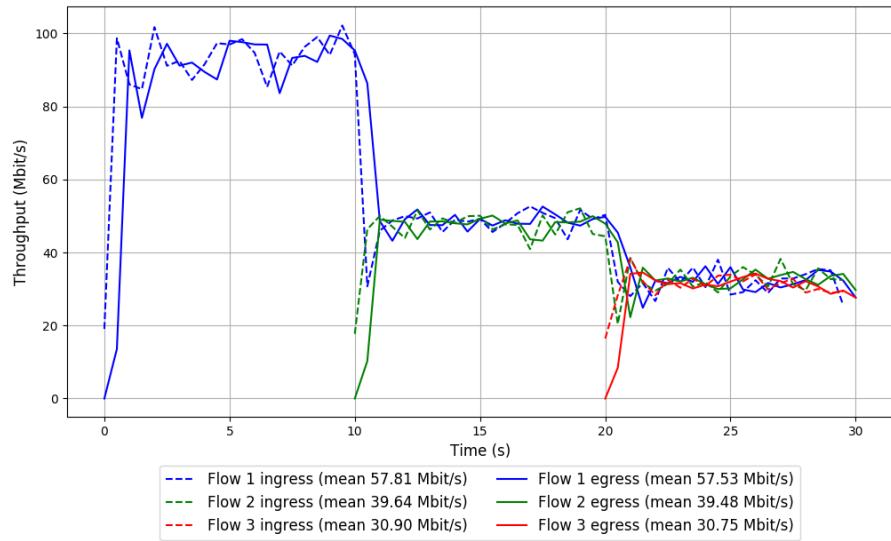


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-11-25 04:18:23
End at: 2019-11-25 04:18:53
Local clock offset: 3.438 ms
Remote clock offset: 4.203 ms

# Below is generated by plot.py at 2019-11-25 06:21:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 112.800 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 128.870 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 96.845 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 103.588 ms
Loss rate: 1.15%
```

Run 4: Report of FillP-Sheep — Data Link

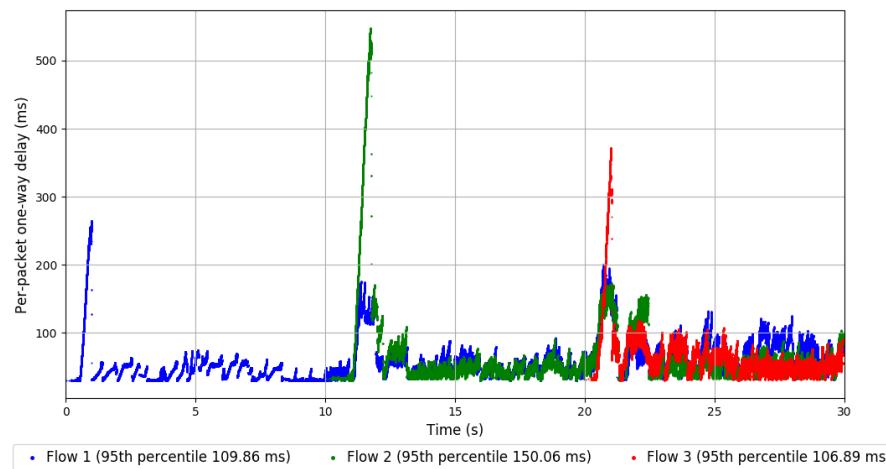
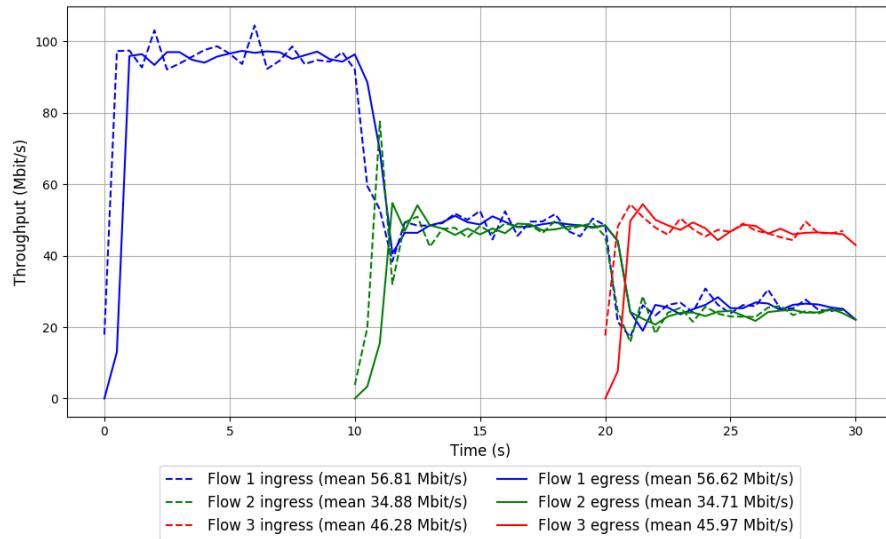


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-11-25 06:09:28
End at: 2019-11-25 06:09:58
Local clock offset: 3.131 ms
Remote clock offset: 3.52 ms

# Below is generated by plot.py at 2019-11-25 06:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 126.077 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 109.857 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 150.056 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 45.97 Mbit/s
95th percentile per-packet one-way delay: 106.895 ms
Loss rate: 1.34%
```

Run 5: Report of FillP-Sheep — Data Link

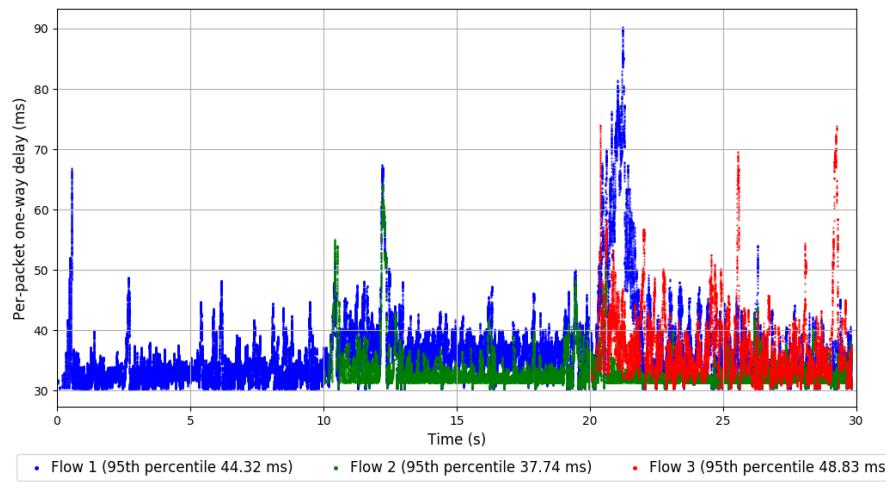
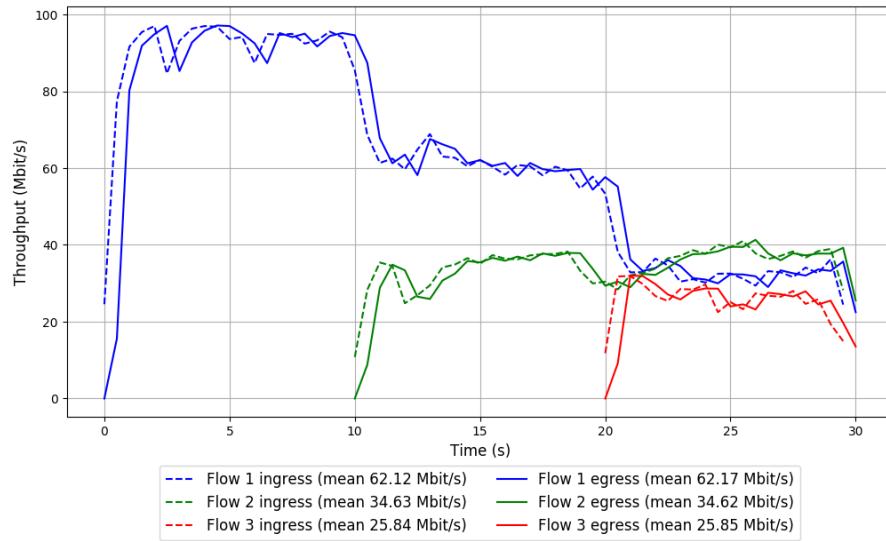


Run 1: Statistics of Indigo

```
Start at: 2019-11-24 16:43:13
End at: 2019-11-24 16:43:43
Local clock offset: 3.487 ms
Remote clock offset: 4.227 ms

# Below is generated by plot.py at 2019-11-25 06:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 43.807 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 44.318 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 37.738 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 25.85 Mbit/s
95th percentile per-packet one-way delay: 48.832 ms
Loss rate: 0.62%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

/home/ubuntu/pantheon/data/2019-11-24T15-47-Mexico-to-AWS-California-2-5-runs-3-flows/indigo

Run 2: Report of Indigo — Data Link

Figure is missing

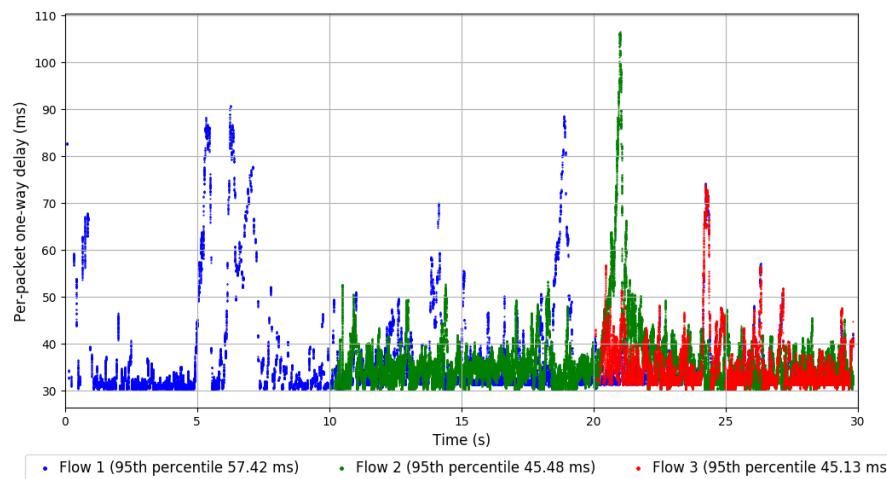
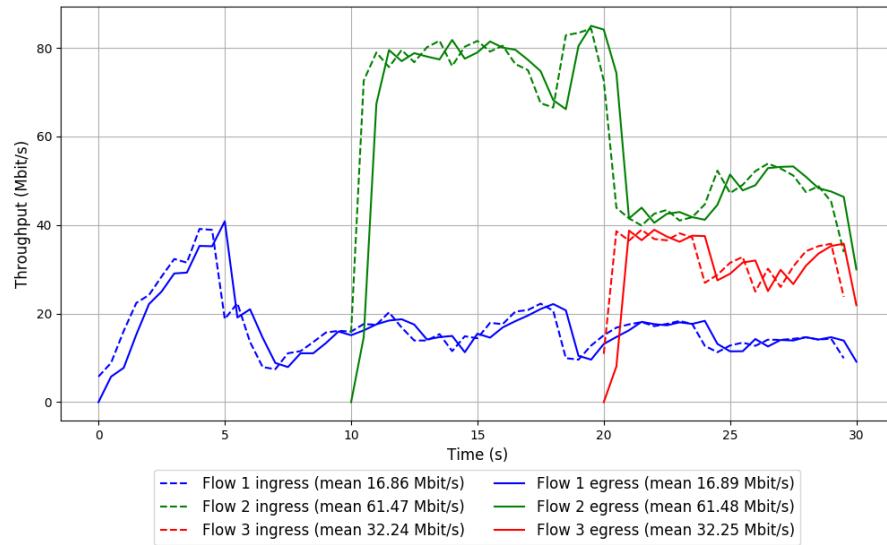
Figure is missing

Run 3: Statistics of Indigo

```
Start at: 2019-11-25 00:26:40
End at: 2019-11-25 00:27:10
Local clock offset: 2.629 ms
Remote clock offset: 5.09 ms

# Below is generated by plot.py at 2019-11-25 06:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 47.077 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 57.422 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 61.48 Mbit/s
95th percentile per-packet one-way delay: 45.479 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 45.133 ms
Loss rate: 0.68%
```

Run 3: Report of Indigo — Data Link

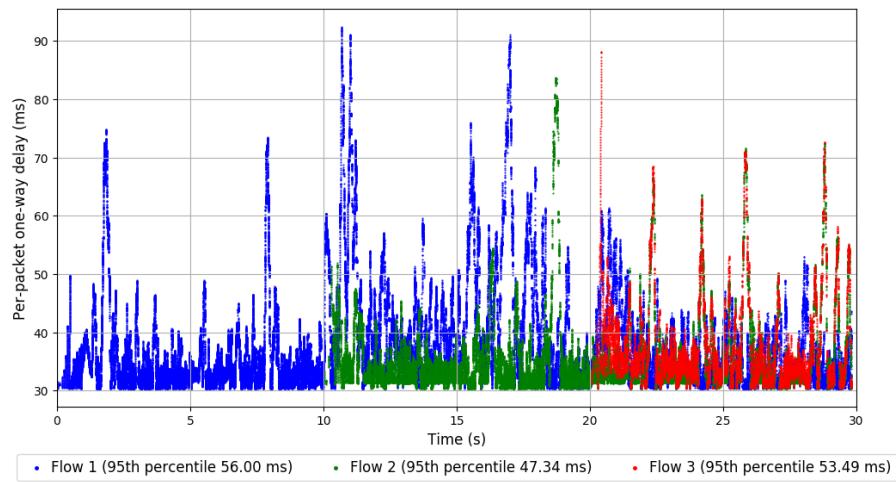
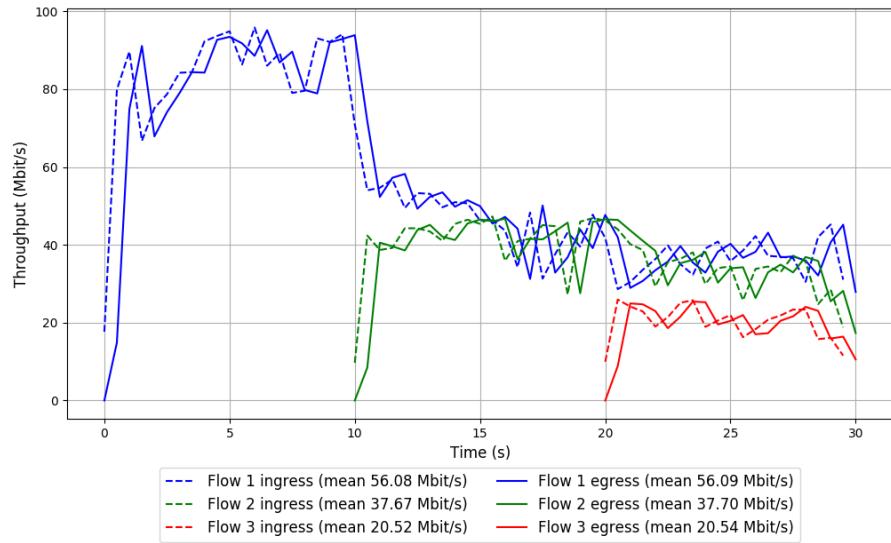


Run 4: Statistics of Indigo

```
Start at: 2019-11-25 03:21:28
End at: 2019-11-25 03:21:58
Local clock offset: 3.788 ms
Remote clock offset: 3.893 ms

# Below is generated by plot.py at 2019-11-25 06:21:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 53.766 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 56.001 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 47.344 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 53.486 ms
Loss rate: 0.57%
```

Run 4: Report of Indigo — Data Link

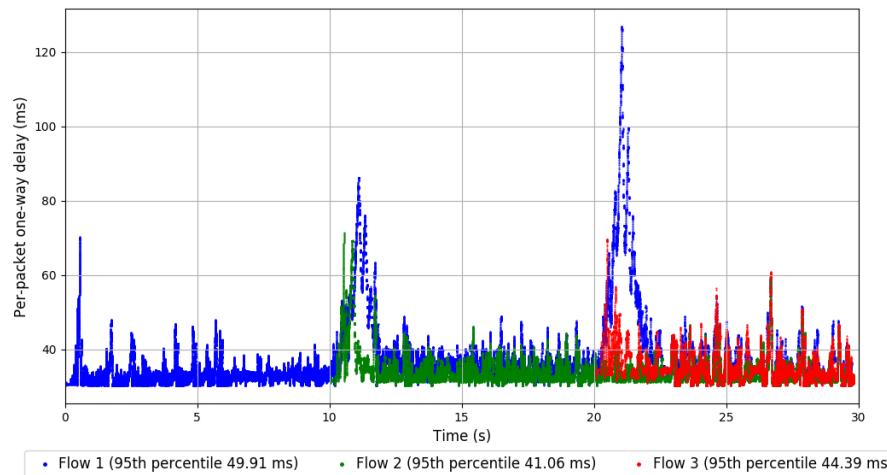
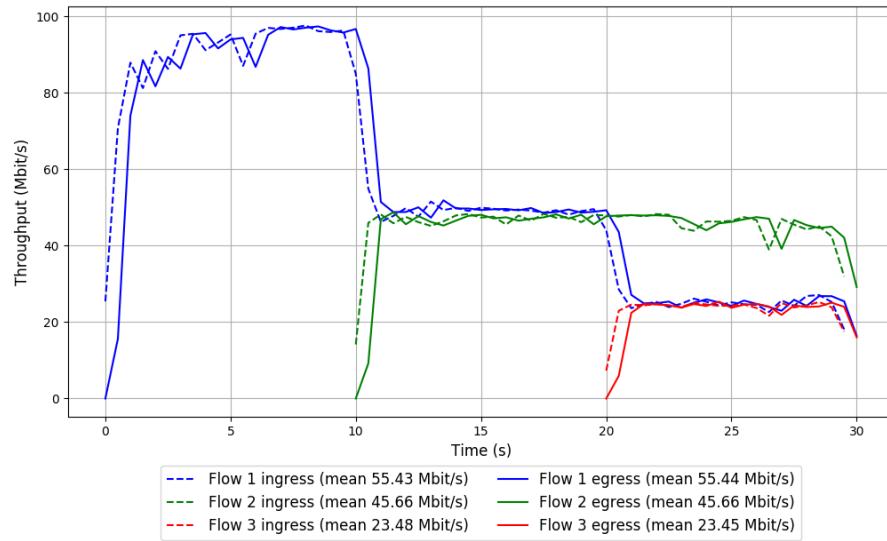


Run 5: Statistics of Indigo

```
Start at: 2019-11-25 05:48:10
End at: 2019-11-25 05:48:40
Local clock offset: 3.1 ms
Remote clock offset: 4.183 ms

# Below is generated by plot.py at 2019-11-25 06:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 45.906 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 49.915 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 41.056 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 44.393 ms
Loss rate: 0.75%
```

Run 5: Report of Indigo — Data Link

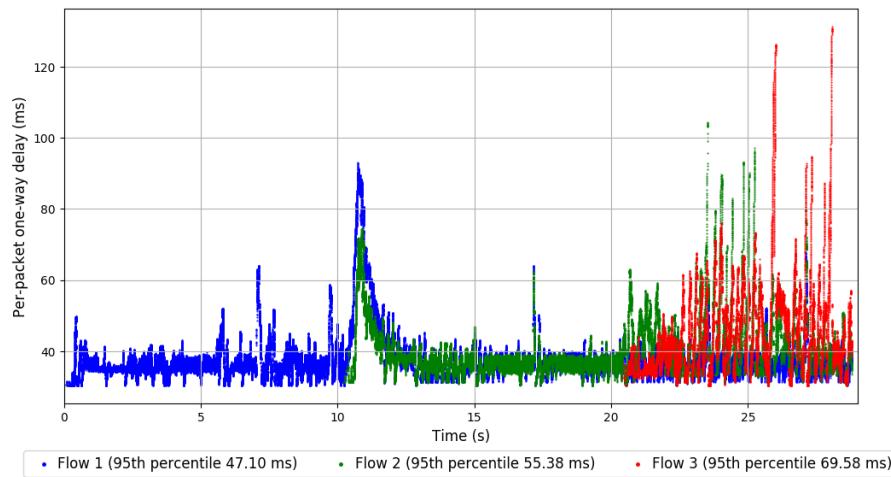
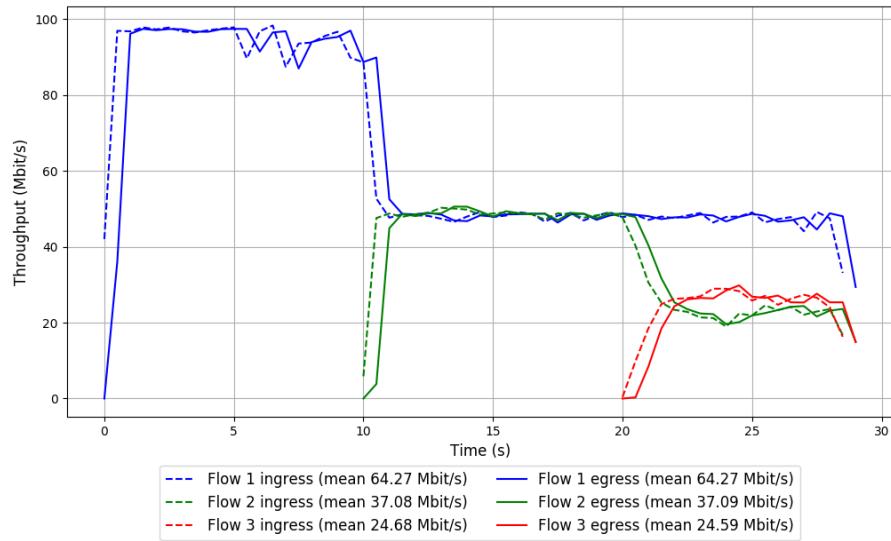


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 16:18:40
End at: 2019-11-24 16:19:10
Local clock offset: 3.297 ms
Remote clock offset: 4.179 ms

# Below is generated by plot.py at 2019-11-25 06:21:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 53.775 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 47.099 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 55.380 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 69.583 ms
Loss rate: 1.03%
```

Run 1: Report of Indigo-MusesC3 — Data Link

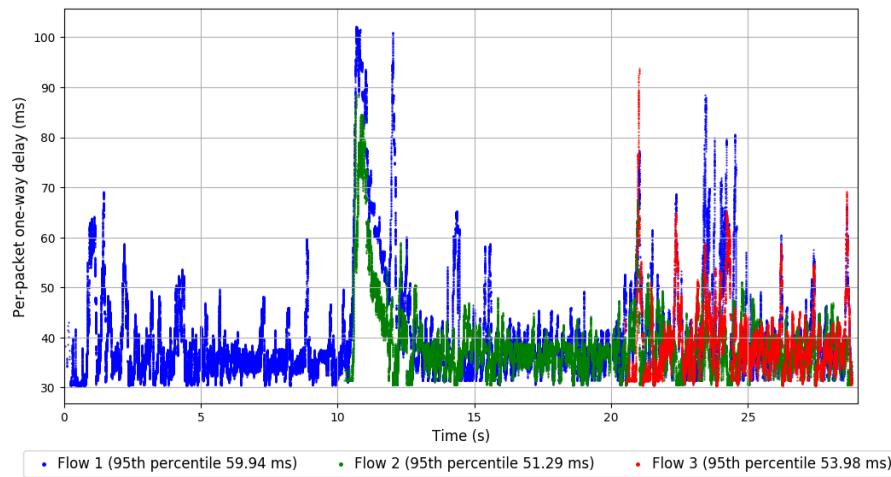
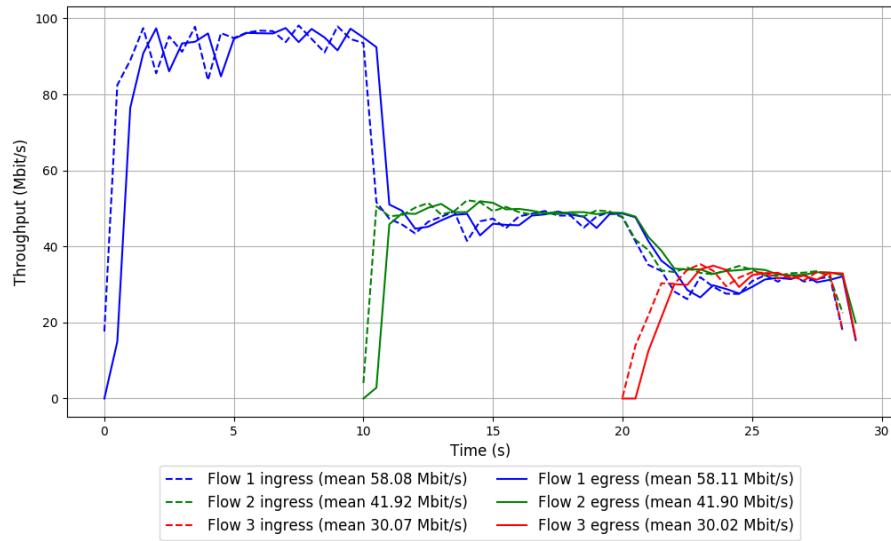


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 17:42:34
End at: 2019-11-24 17:43:04
Local clock offset: 4.429 ms
Remote clock offset: 4.176 ms

# Below is generated by plot.py at 2019-11-25 06:21:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 57.928 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 59.937 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 41.90 Mbit/s
95th percentile per-packet one-way delay: 51.293 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 53.981 ms
Loss rate: 0.94%
```

Run 2: Report of Indigo-MusesC3 — Data Link

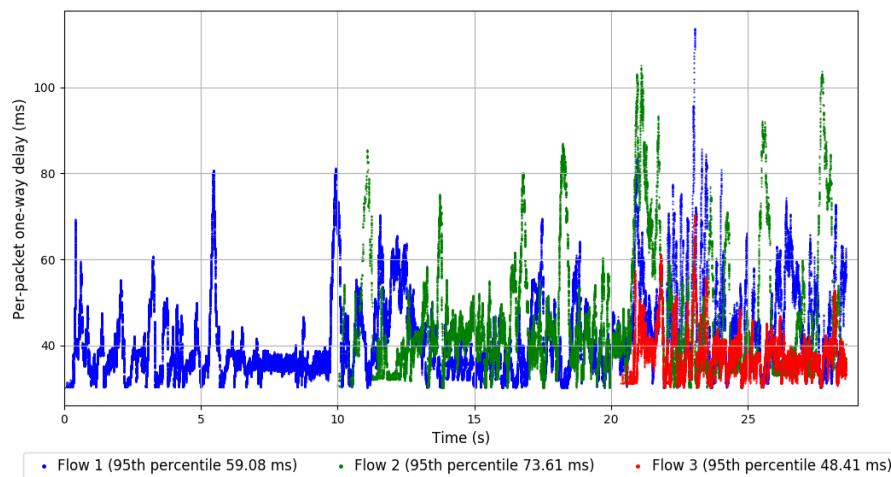
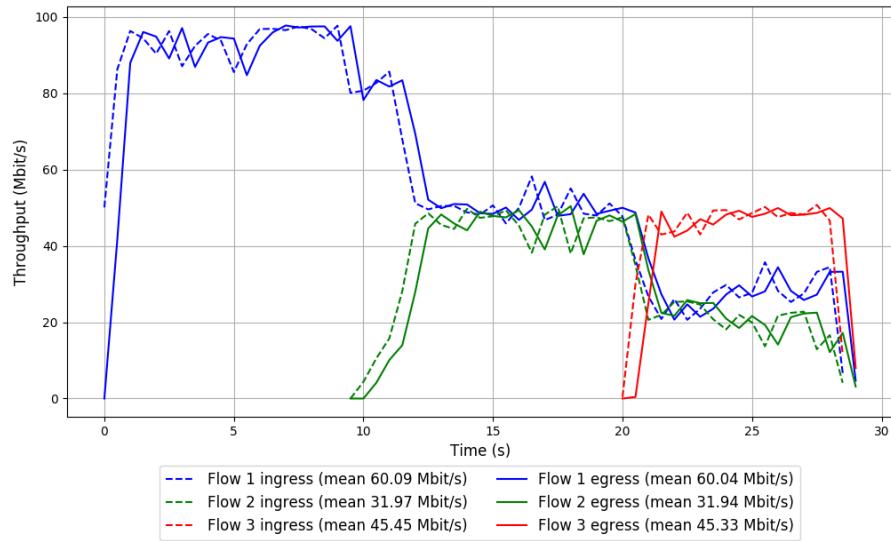


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 23:46:03
End at: 2019-11-24 23:46:33
Local clock offset: 3.756 ms
Remote clock offset: 5.68 ms

# Below is generated by plot.py at 2019-11-25 06:21:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 60.231 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 59.082 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 73.607 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 48.415 ms
Loss rate: 1.02%
```

Run 3: Report of Indigo-MusesC3 — Data Link

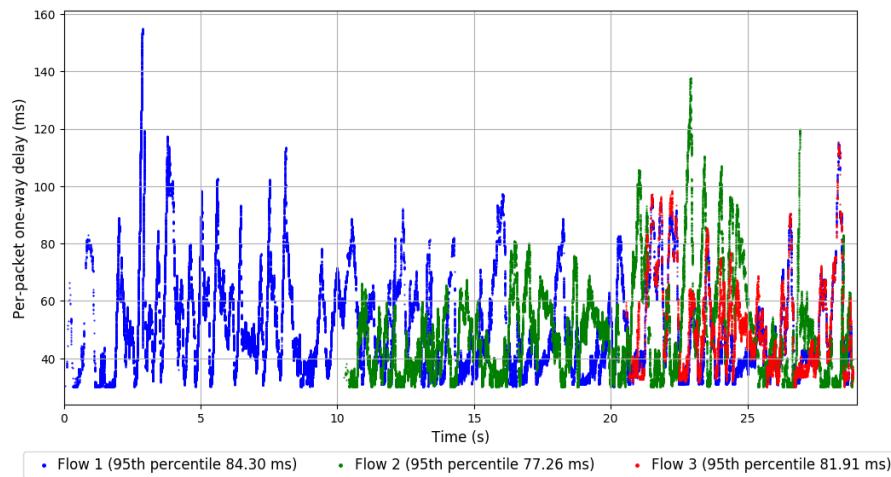
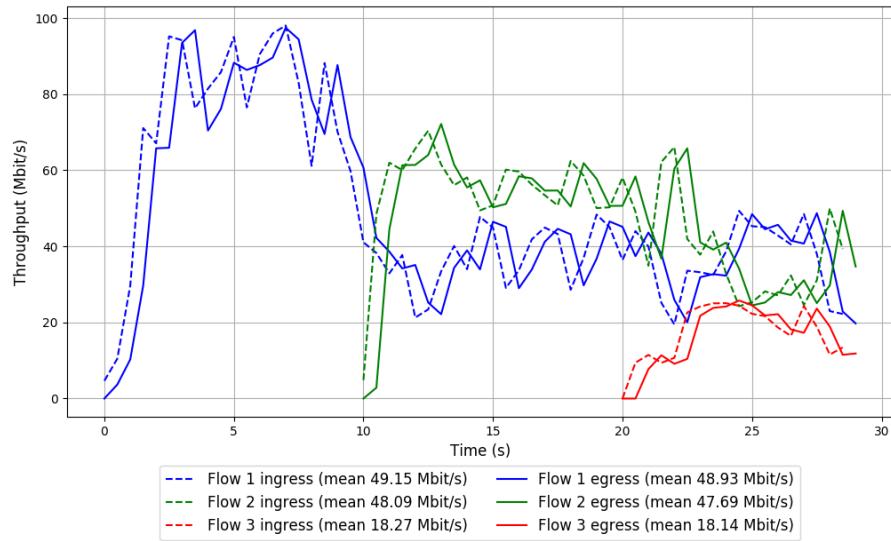


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-11-25 01:47:52
End at: 2019-11-25 01:48:22
Local clock offset: 4.109 ms
Remote clock offset: 5.724 ms

# Below is generated by plot.py at 2019-11-25 06:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 82.061 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 84.302 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 47.69 Mbit/s
95th percentile per-packet one-way delay: 77.260 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 18.14 Mbit/s
95th percentile per-packet one-way delay: 81.906 ms
Loss rate: 1.76%
```

Run 4: Report of Indigo-MusesC3 — Data Link

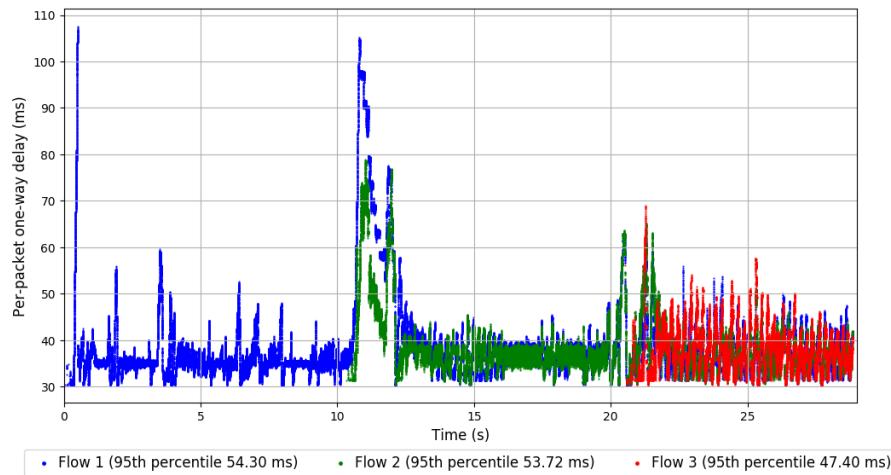
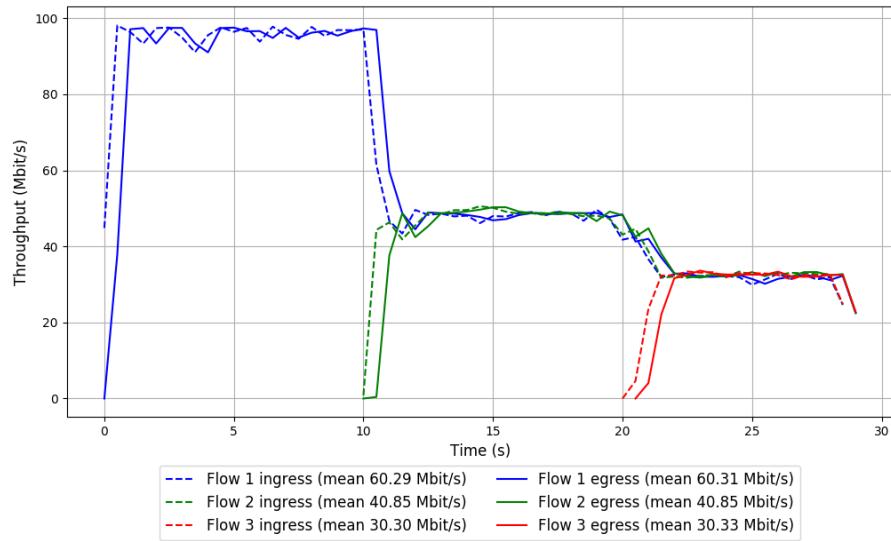


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-11-25 05:19:41
End at: 2019-11-25 05:20:11
Local clock offset: 3.38 ms
Remote clock offset: 3.93 ms

# Below is generated by plot.py at 2019-11-25 06:22:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 52.649 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 54.298 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 53.717 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 47.399 ms
Loss rate: 0.94%
```

Run 5: Report of Indigo-MusesC3 — Data Link

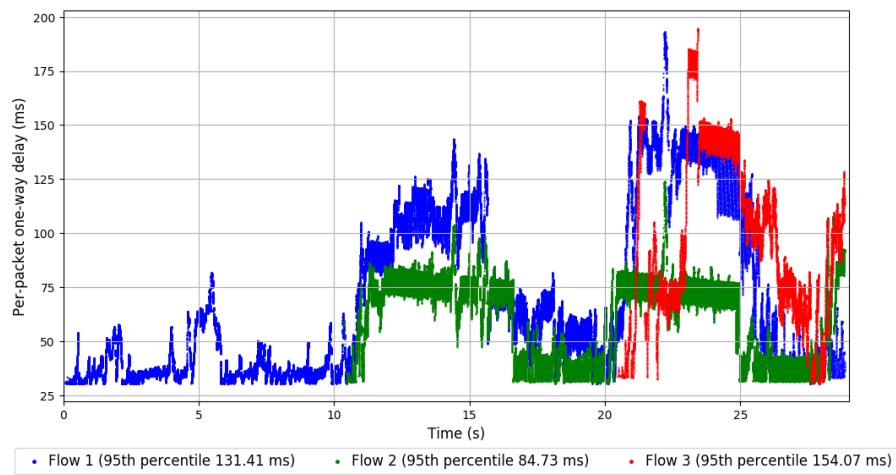
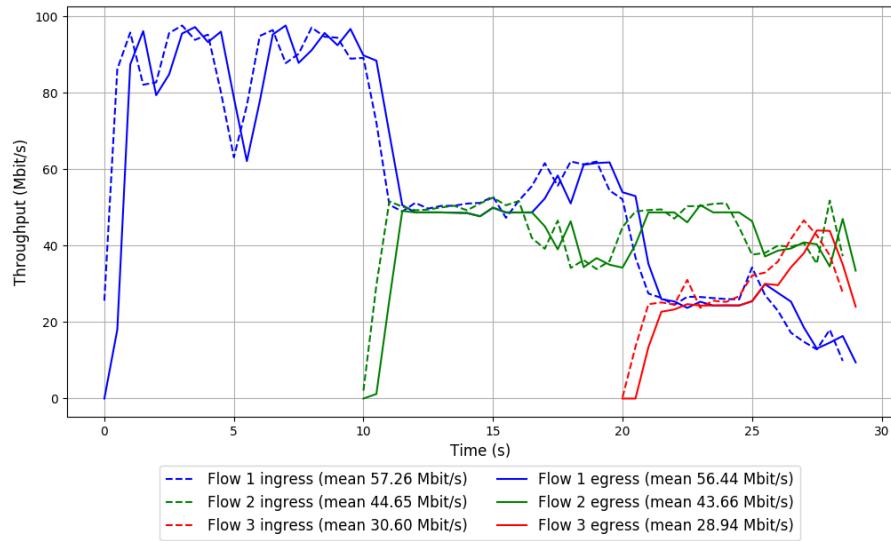


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 16:38:29
End at: 2019-11-24 16:38:59
Local clock offset: 3.539 ms
Remote clock offset: 4.128 ms

# Below is generated by plot.py at 2019-11-25 06:22:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 131.402 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 131.409 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 84.731 ms
Loss rate: 2.55%
-- Flow 3:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 154.068 ms
Loss rate: 6.16%
```

Run 1: Report of Indigo-MusesC5 — Data Link

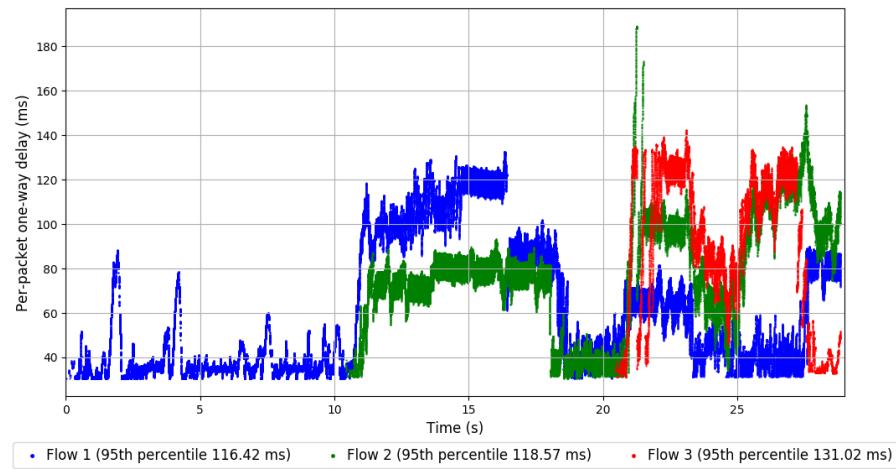
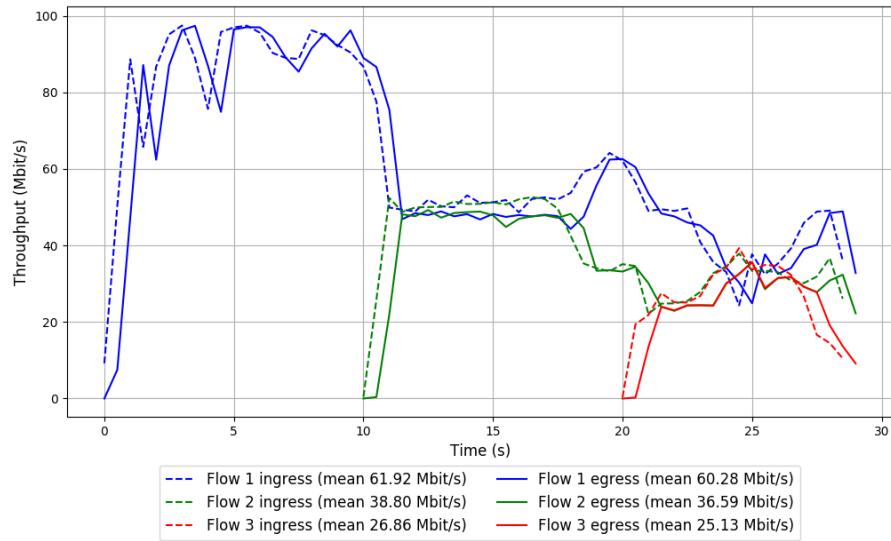


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 18:37:35
End at: 2019-11-24 18:38:05
Local clock offset: 4.283 ms
Remote clock offset: 3.519 ms

# Below is generated by plot.py at 2019-11-25 06:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 121.250 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 116.421 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 118.574 ms
Loss rate: 6.02%
-- Flow 3:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 131.021 ms
Loss rate: 7.18%
```

Run 2: Report of Indigo-MusesC5 — Data Link

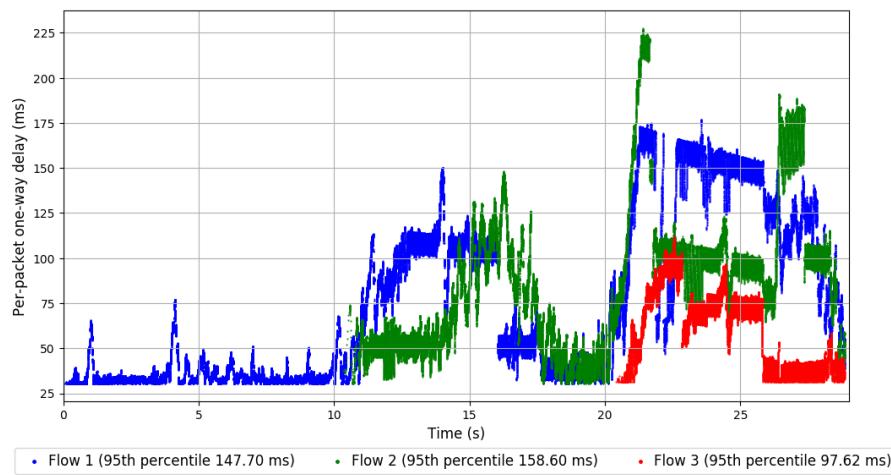
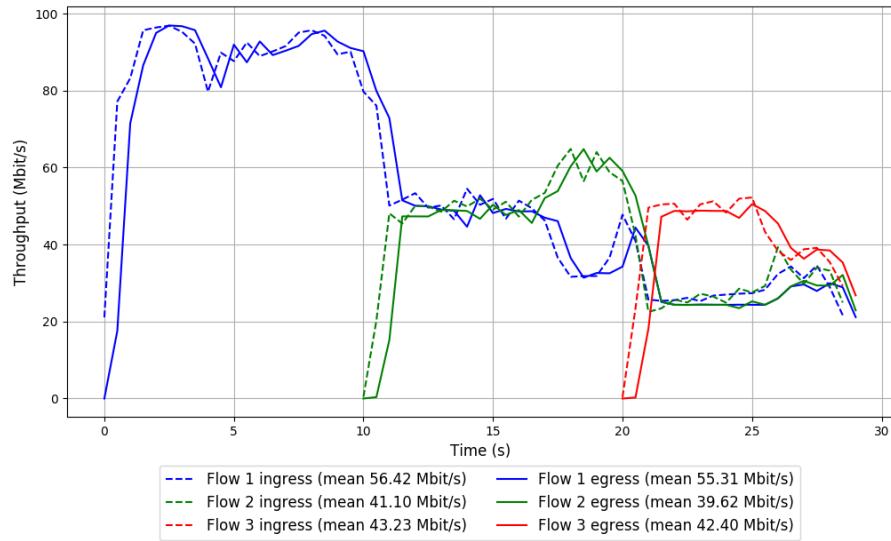


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-11-25 00:20:22
End at: 2019-11-25 00:20:52
Local clock offset: 2.864 ms
Remote clock offset: 5.286 ms

# Below is generated by plot.py at 2019-11-25 06:22:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 145.833 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 147.696 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 158.602 ms
Loss rate: 3.94%
-- Flow 3:
Average throughput: 42.40 Mbit/s
95th percentile per-packet one-way delay: 97.618 ms
Loss rate: 2.67%
```

Run 3: Report of Indigo-MusesC5 — Data Link

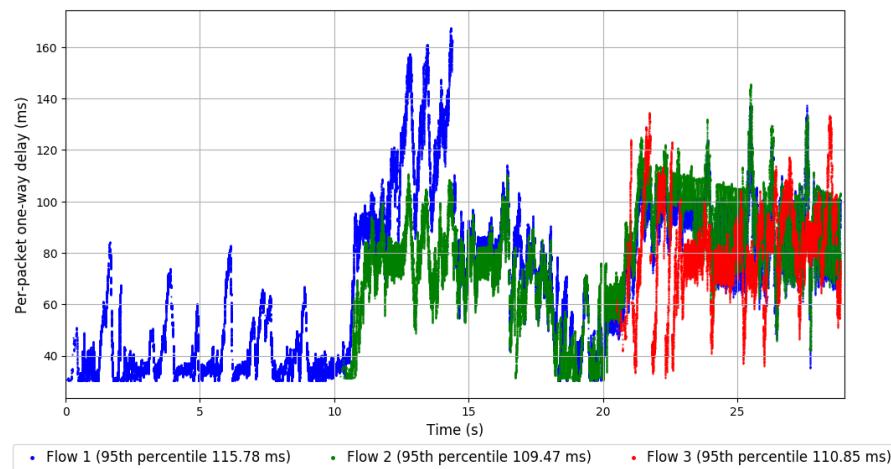
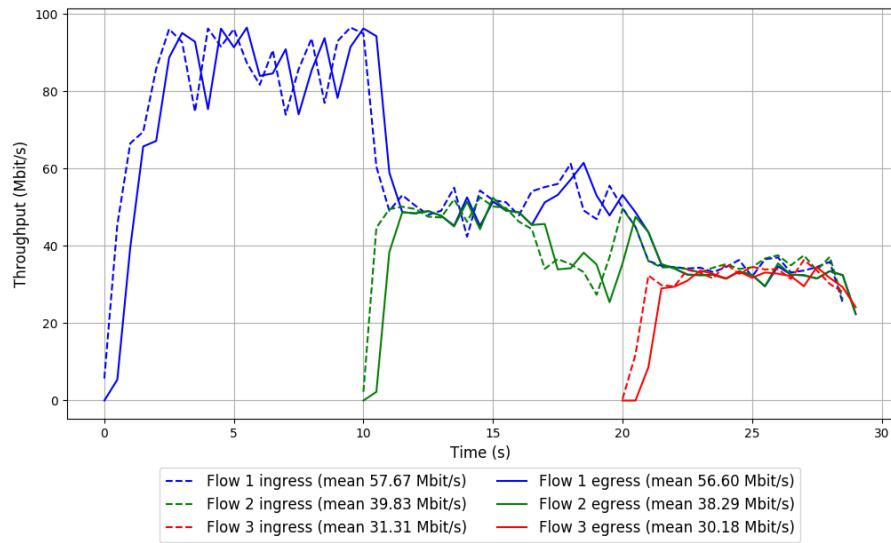


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-11-25 03:08:35
End at: 2019-11-25 03:09:05
Local clock offset: 3.566 ms
Remote clock offset: 3.878 ms

# Below is generated by plot.py at 2019-11-25 06:22:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 111.656 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 115.781 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 109.472 ms
Loss rate: 4.07%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 110.854 ms
Loss rate: 4.54%
```

Run 4: Report of Indigo-MusesC5 — Data Link

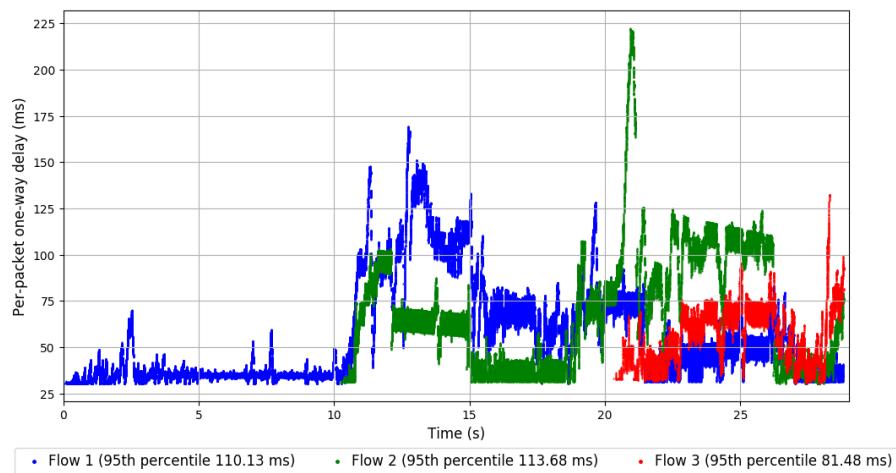
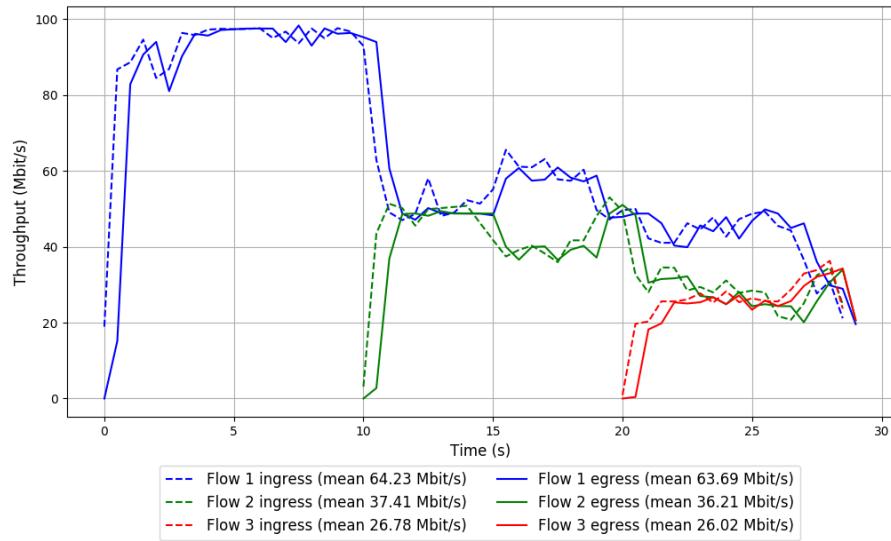


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-11-25 05:44:30
End at: 2019-11-25 05:45:00
Local clock offset: 3.086 ms
Remote clock offset: 4.17 ms

# Below is generated by plot.py at 2019-11-25 06:22:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 110.621 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 63.69 Mbit/s
95th percentile per-packet one-way delay: 110.126 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 113.677 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 81.477 ms
Loss rate: 3.51%
```

Run 5: Report of Indigo-MusesC5 — Data Link

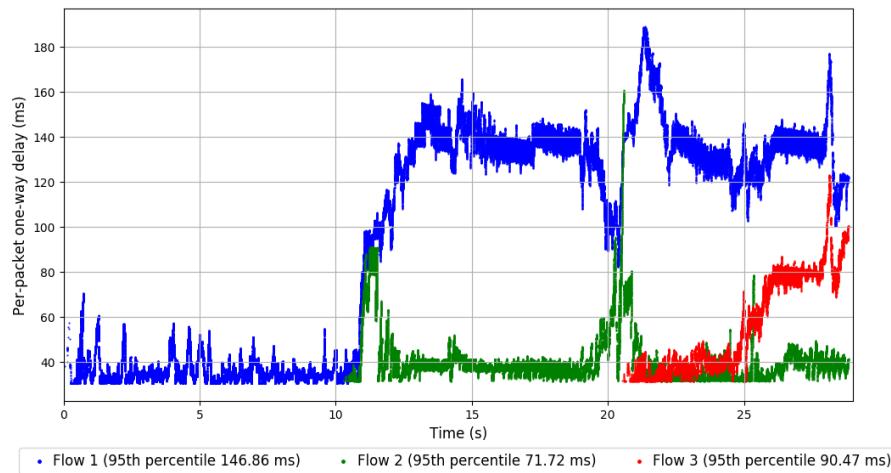
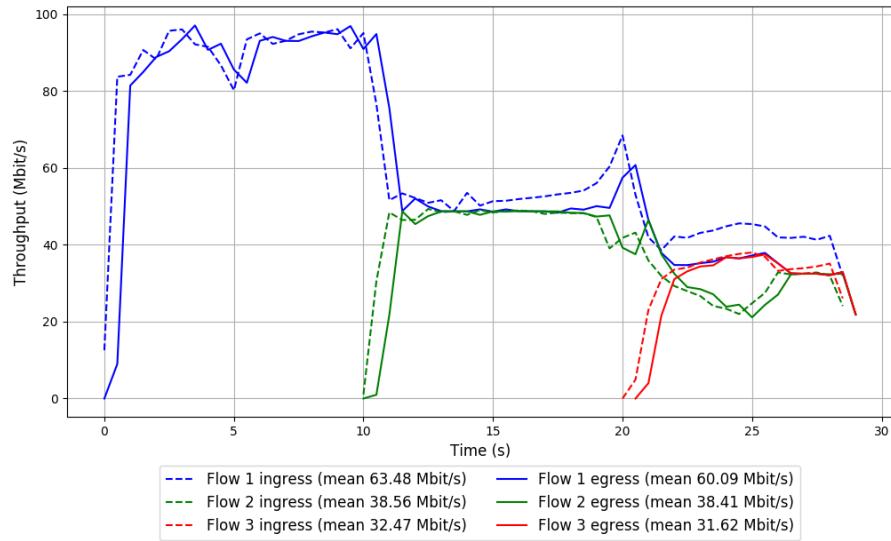


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 15:56:19
End at: 2019-11-24 15:56:49
Local clock offset: 3.047 ms
Remote clock offset: 3.855 ms

# Below is generated by plot.py at 2019-11-25 06:22:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 143.868 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 146.860 ms
Loss rate: 5.58%
-- Flow 2:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 71.725 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 90.473 ms
Loss rate: 3.35%
```

Run 1: Report of Indigo-MusesD — Data Link

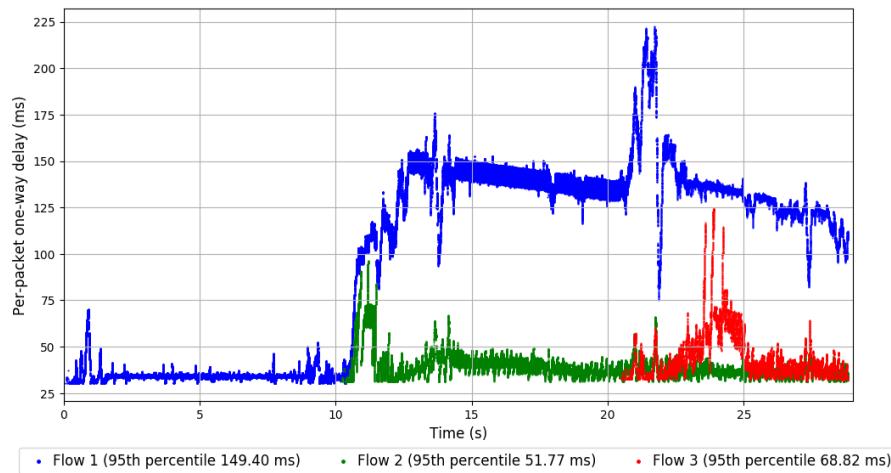
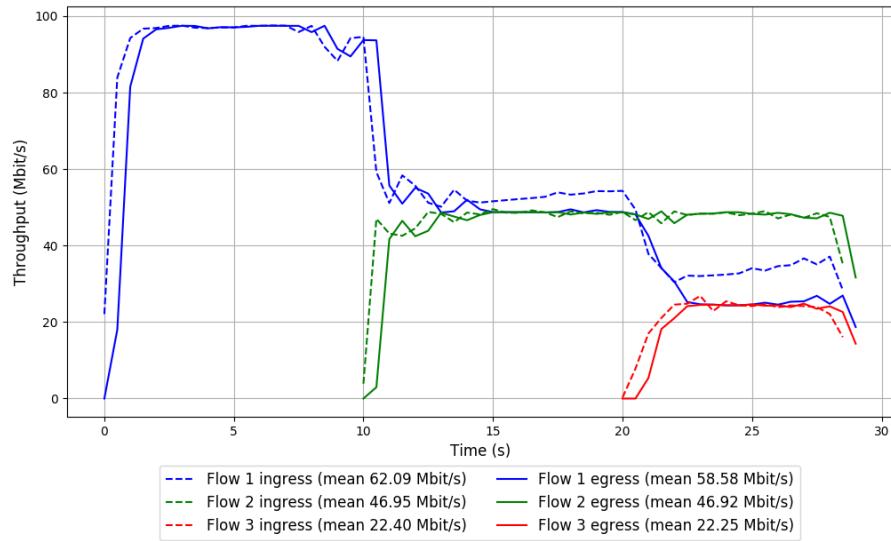


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 17:19:05
End at: 2019-11-24 17:19:35
Local clock offset: 4.009 ms
Remote clock offset: 4.092 ms

# Below is generated by plot.py at 2019-11-25 06:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 146.333 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 149.395 ms
Loss rate: 5.87%
-- Flow 2:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 51.775 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 68.822 ms
Loss rate: 1.43%
```

Run 2: Report of Indigo-MusesD — Data Link

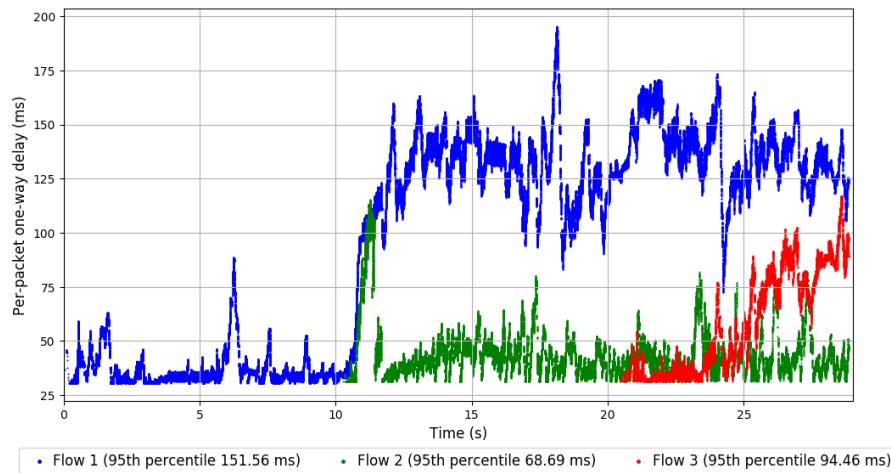
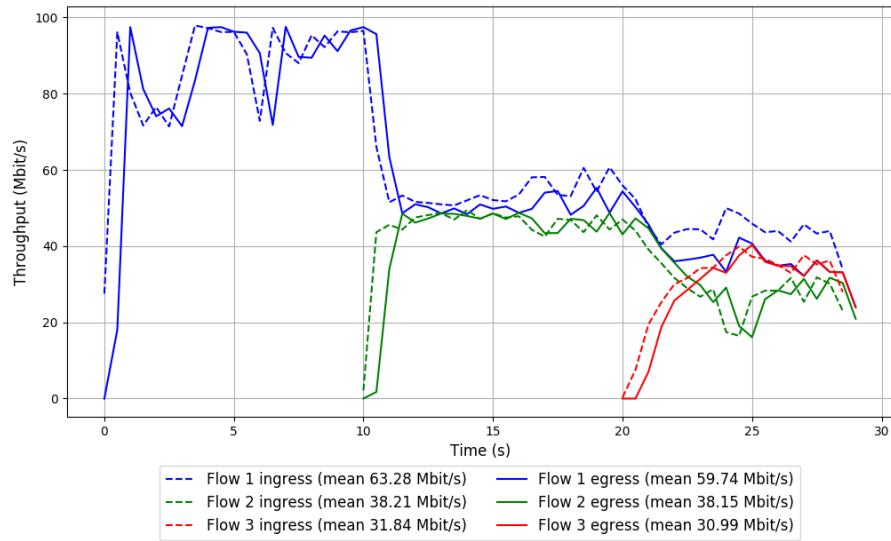


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 22:22:38
End at: 2019-11-24 22:23:08
Local clock offset: 3.066 ms
Remote clock offset: 4.611 ms

# Below is generated by plot.py at 2019-11-25 06:23:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 146.641 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 151.555 ms
Loss rate: 5.82%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 68.690 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 94.459 ms
Loss rate: 3.40%
```

Run 3: Report of Indigo-MusesD — Data Link

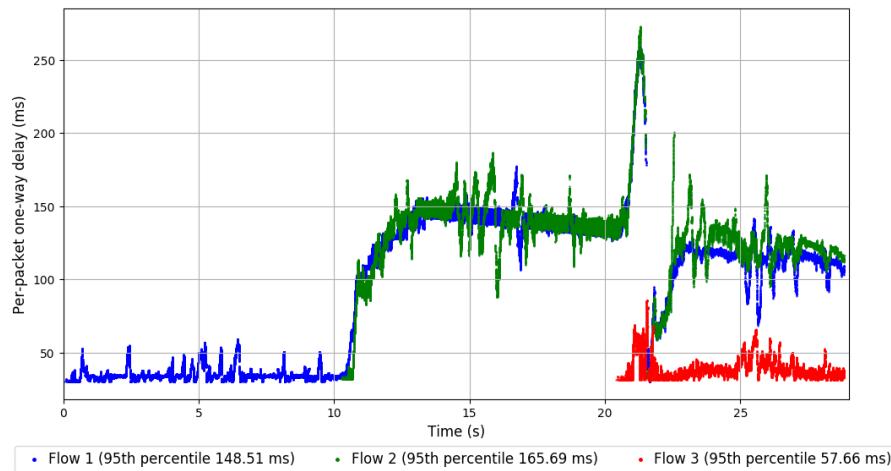
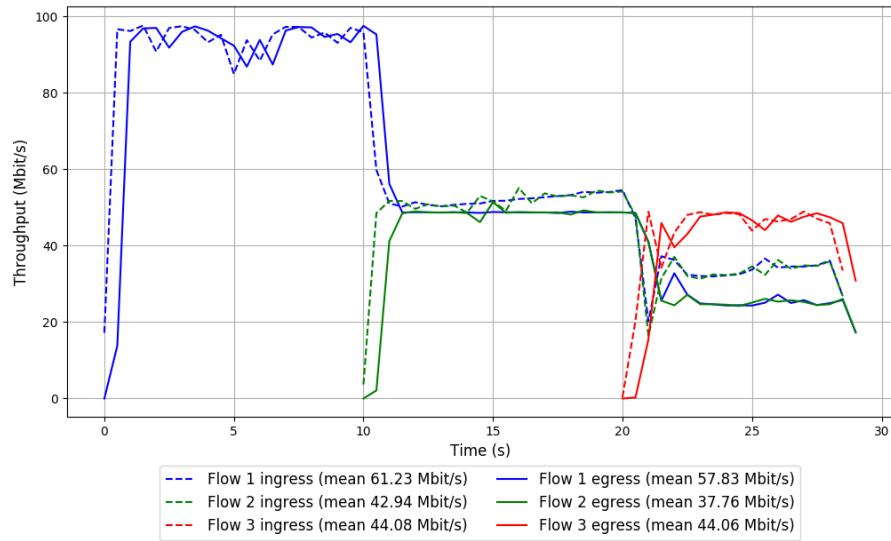


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-11-25 01:07:26
End at: 2019-11-25 01:07:56
Local clock offset: 3.113 ms
Remote clock offset: 5.783 ms

# Below is generated by plot.py at 2019-11-25 06:23:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 151.970 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 148.510 ms
Loss rate: 5.77%
-- Flow 2:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 165.688 ms
Loss rate: 12.37%
-- Flow 3:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 57.659 ms
Loss rate: 0.82%
```

Run 4: Report of Indigo-MusesD — Data Link

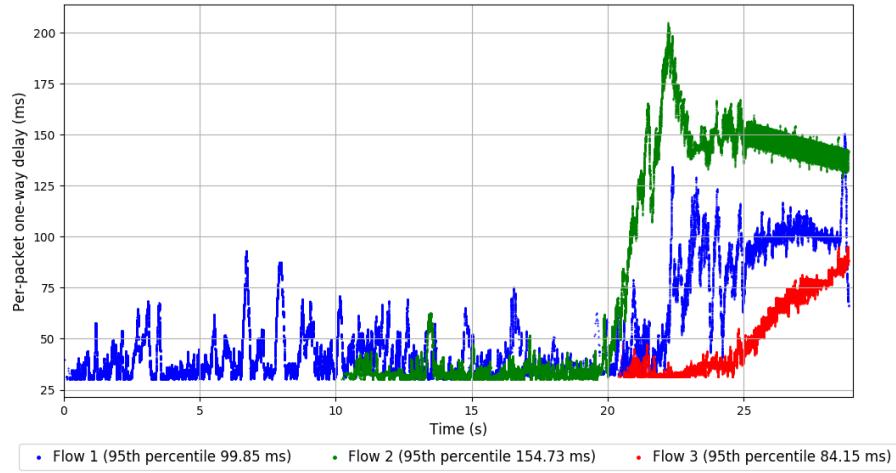
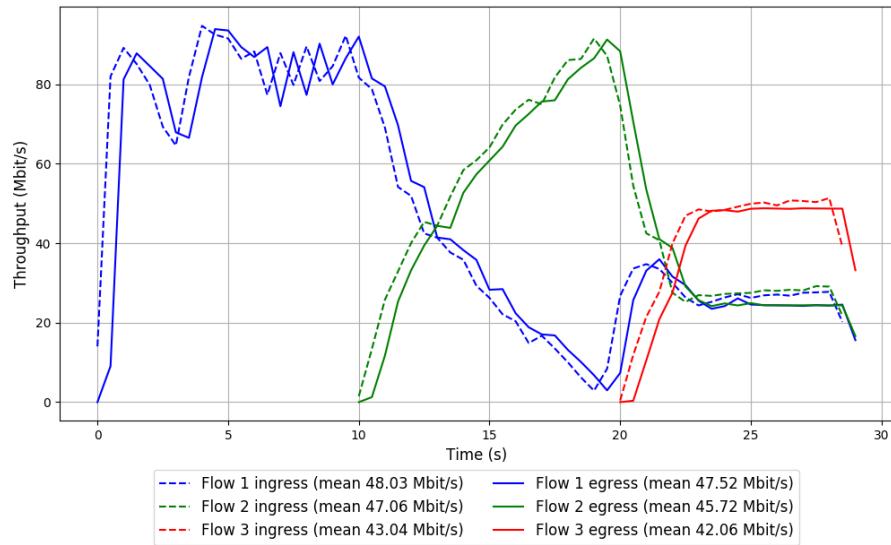


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-11-25 04:54:21
End at: 2019-11-25 04:54:51
Local clock offset: 3.948 ms
Remote clock offset: 3.695 ms

# Below is generated by plot.py at 2019-11-25 06:23:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 144.298 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 99.853 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 45.72 Mbit/s
95th percentile per-packet one-way delay: 154.731 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 42.06 Mbit/s
95th percentile per-packet one-way delay: 84.152 ms
Loss rate: 3.01%
```

Run 5: Report of Indigo-MusesD — Data Link

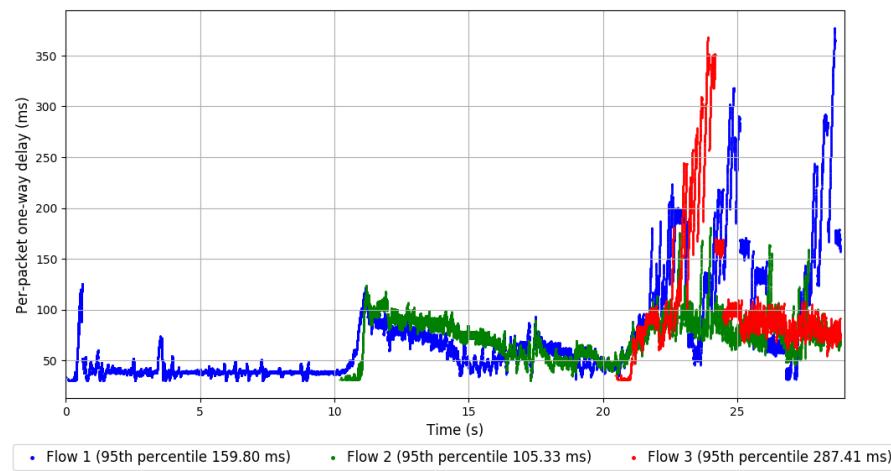
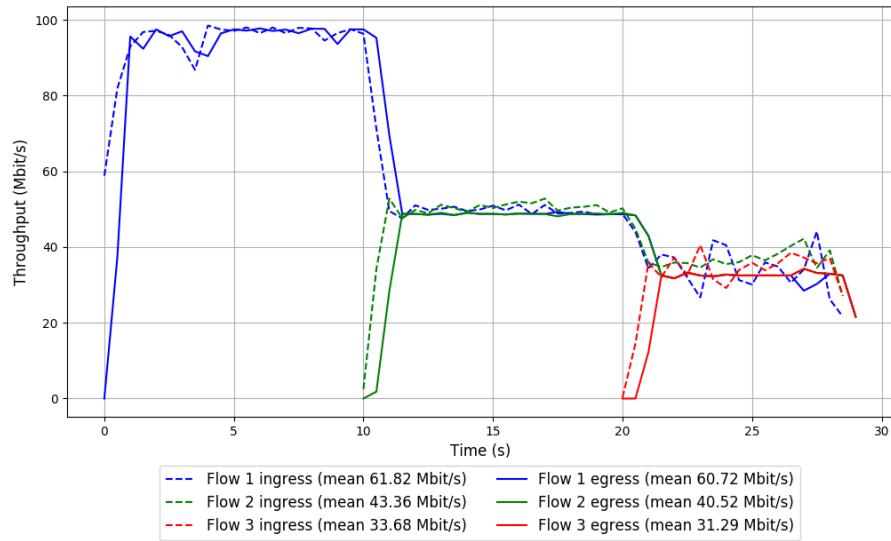


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 16:58:58
End at: 2019-11-24 16:59:28
Local clock offset: 3.501 ms
Remote clock offset: 4.031 ms

# Below is generated by plot.py at 2019-11-25 06:23:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 158.522 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 159.799 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 105.329 ms
Loss rate: 6.89%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 287.414 ms
Loss rate: 7.83%
```

Run 1: Report of Indigo-MusesT — Data Link

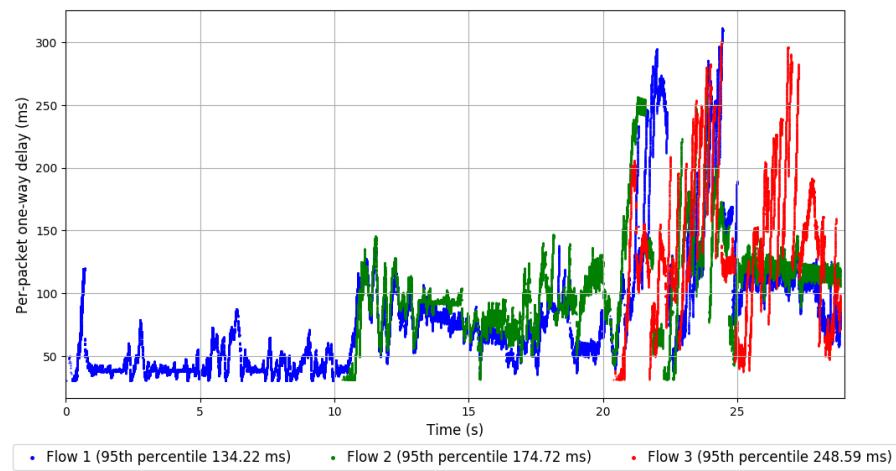
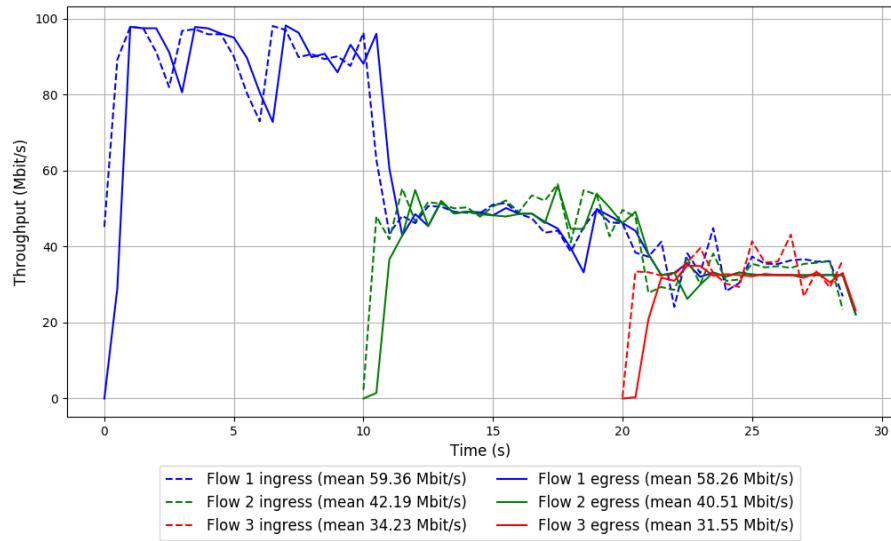


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 19:27:39
End at: 2019-11-24 19:28:09
Local clock offset: 3.421 ms
Remote clock offset: 7.04 ms

# Below is generated by plot.py at 2019-11-25 06:23:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 188.924 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 134.218 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 174.723 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 248.593 ms
Loss rate: 8.51%
```

Run 2: Report of Indigo-MusesT — Data Link

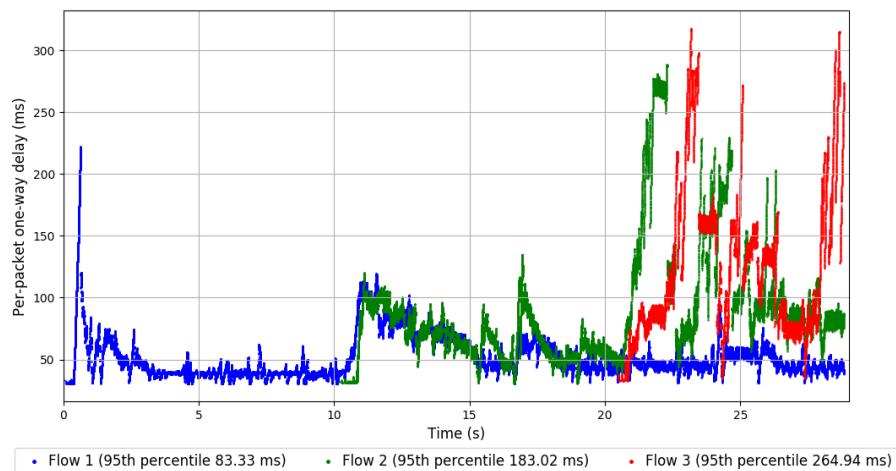
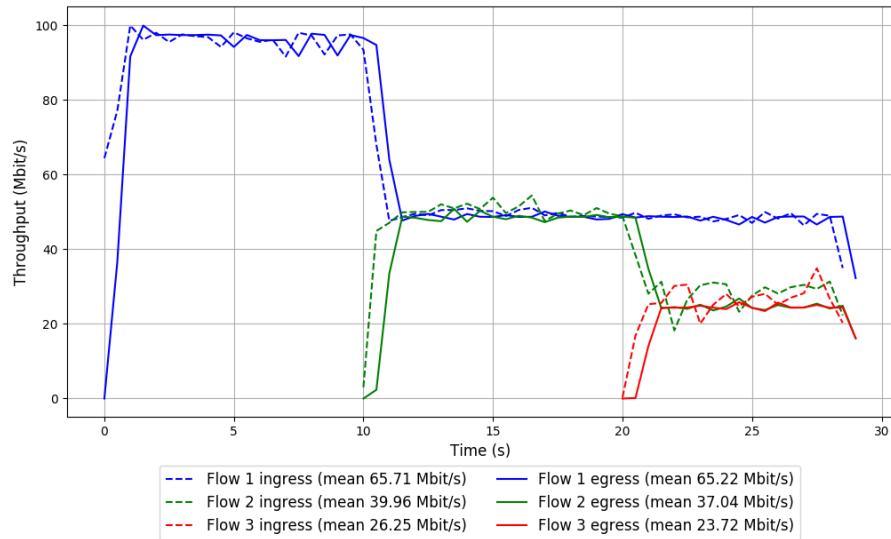


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-11-25 00:40:19
End at: 2019-11-25 00:40:49
Local clock offset: 2.448 ms
Remote clock offset: 5.324 ms

# Below is generated by plot.py at 2019-11-25 06:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 139.452 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 83.335 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 183.017 ms
Loss rate: 7.63%
-- Flow 3:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 264.944 ms
Loss rate: 10.32%
```

Run 3: Report of Indigo-MusesT — Data Link

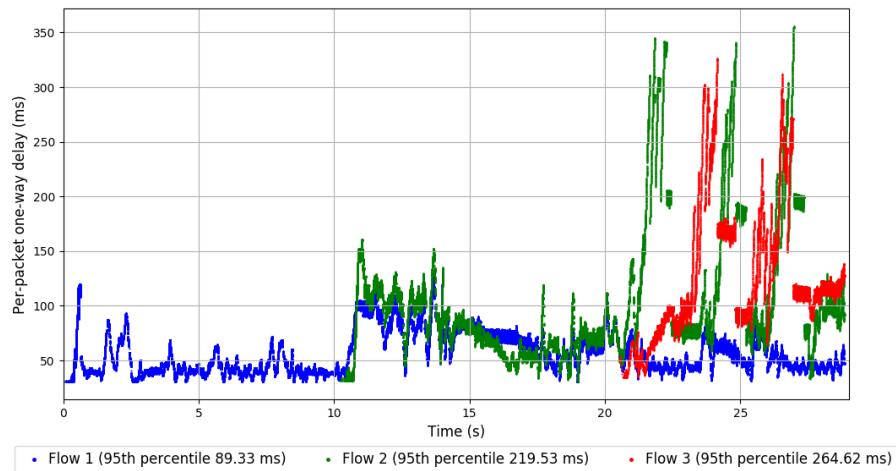
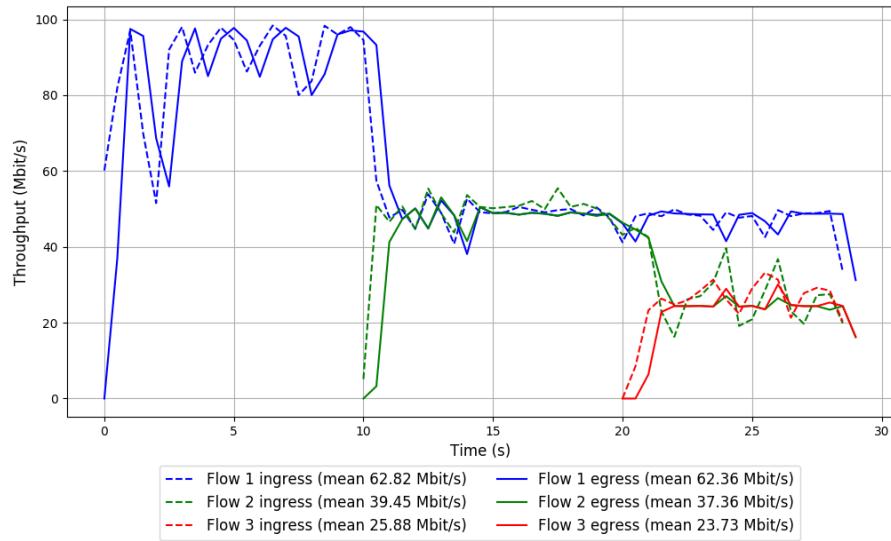


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-11-25 03:59:21
End at: 2019-11-25 03:59:51
Local clock offset: 3.535 ms
Remote clock offset: 6.58 ms

# Below is generated by plot.py at 2019-11-25 06:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 155.332 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 89.331 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 37.36 Mbit/s
95th percentile per-packet one-way delay: 219.534 ms
Loss rate: 5.60%
-- Flow 3:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 264.616 ms
Loss rate: 9.24%
```

Run 4: Report of Indigo-MusesT — Data Link

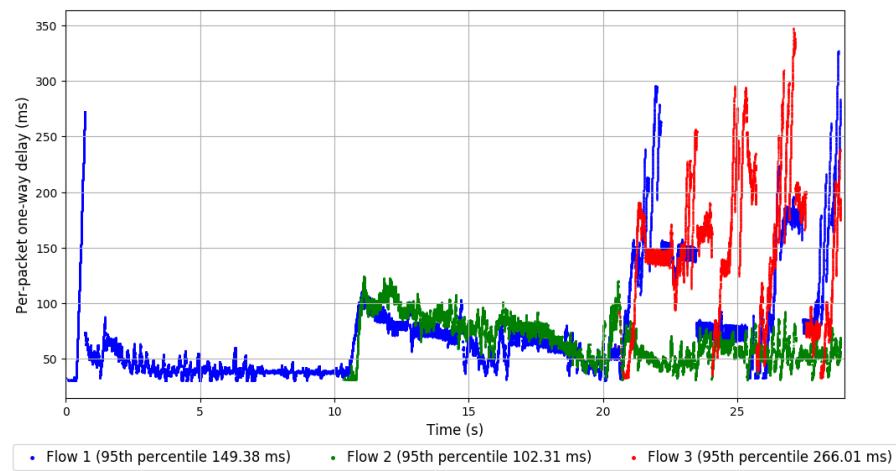
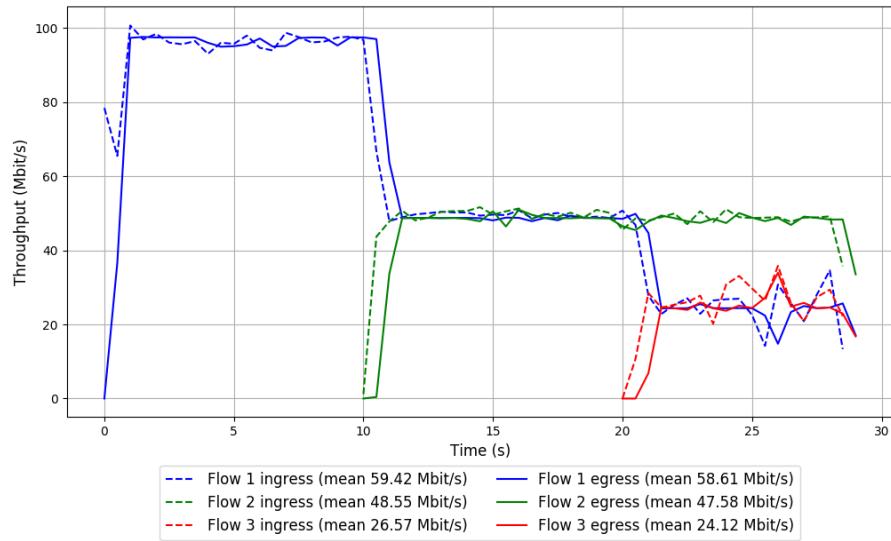


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-11-25 06:00:28
End at: 2019-11-25 06:00:58
Local clock offset: 3.118 ms
Remote clock offset: 3.717 ms

# Below is generated by plot.py at 2019-11-25 06:24:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 167.179 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 149.382 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 102.314 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 266.007 ms
Loss rate: 9.16%
```

Run 5: Report of Indigo-MusesT — Data Link

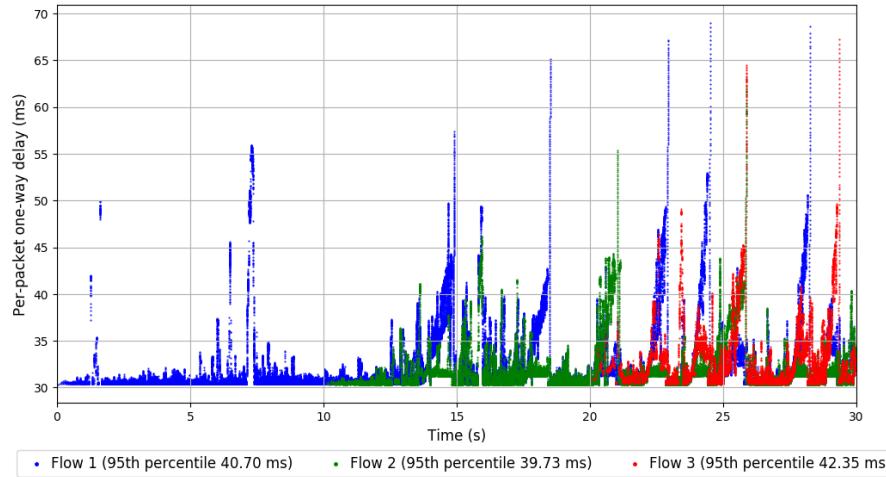
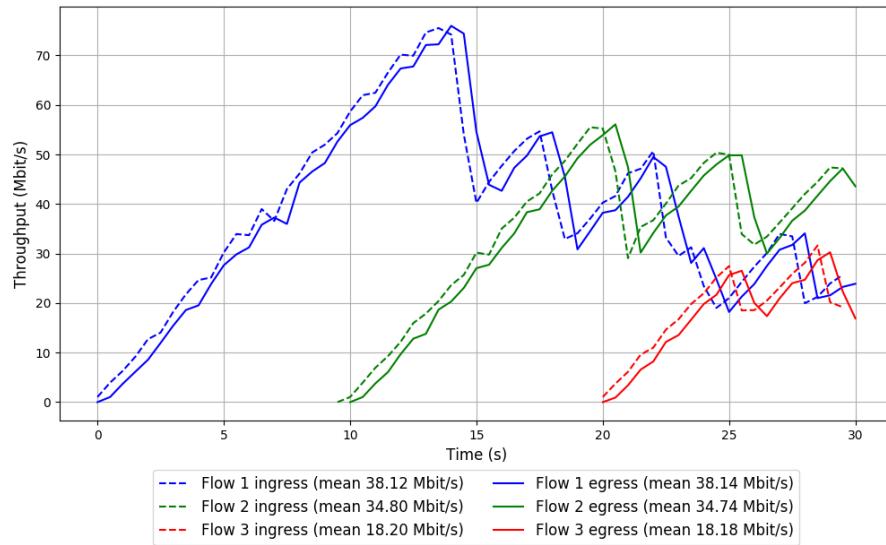


Run 1: Statistics of LEDBAT

```
Start at: 2019-11-24 16:23:58
End at: 2019-11-24 16:24:28
Local clock offset: 3.4 ms
Remote clock offset: 4.273 ms

# Below is generated by plot.py at 2019-11-25 06:24:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.29 Mbit/s
95th percentile per-packet one-way delay: 40.401 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 40.697 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 39.732 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 42.354 ms
Loss rate: 0.76%
```

Run 1: Report of LEDBAT — Data Link

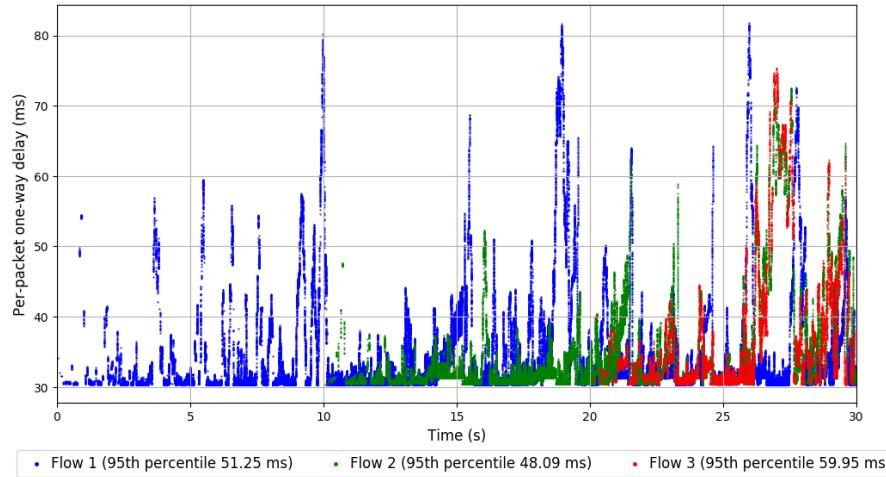
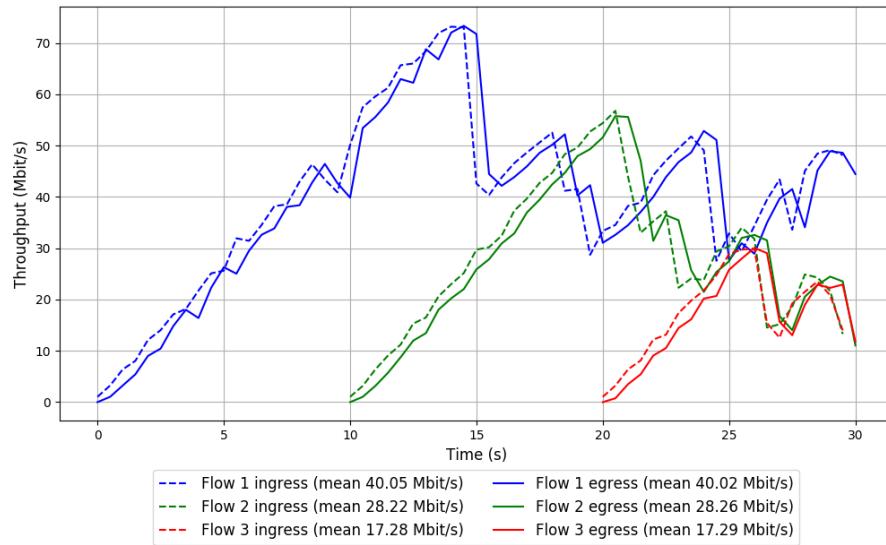


Run 2: Statistics of LEDBAT

```
Start at: 2019-11-24 17:49:56
End at: 2019-11-24 17:50:26
Local clock offset: 4.496 ms
Remote clock offset: 4.282 ms

# Below is generated by plot.py at 2019-11-25 06:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 51.129 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 51.247 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 48.093 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 17.29 Mbit/s
95th percentile per-packet one-way delay: 59.945 ms
Loss rate: 0.65%
```

Run 2: Report of LEDBAT — Data Link

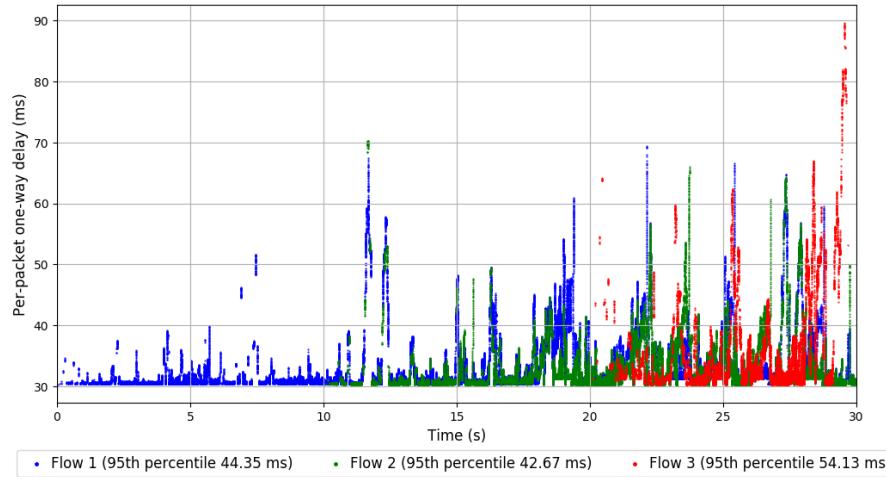
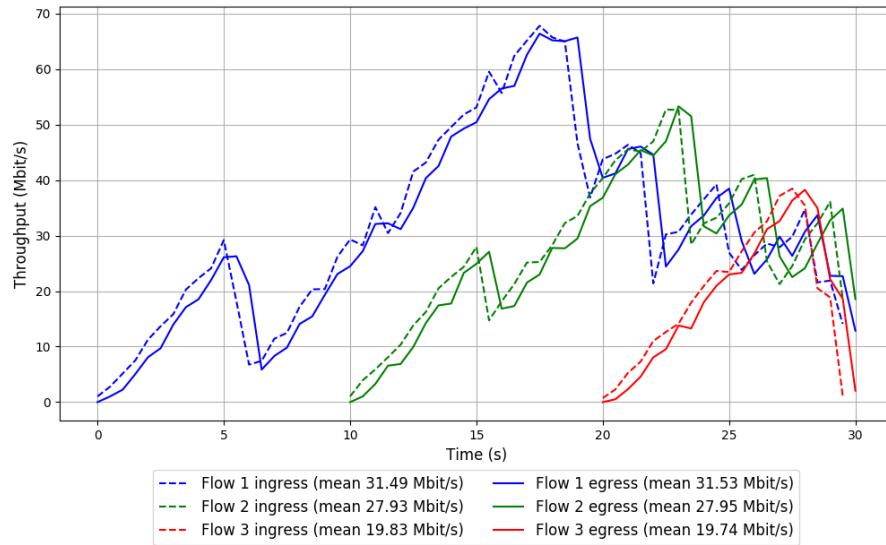


Run 3: Statistics of LEDBAT

```
Start at: 2019-11-24 23:56:39
End at: 2019-11-24 23:57:09
Local clock offset: 3.716 ms
Remote clock offset: 4.727 ms

# Below is generated by plot.py at 2019-11-25 06:24:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 45.757 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 44.355 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 27.95 Mbit/s
95th percentile per-packet one-way delay: 42.670 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 54.130 ms
Loss rate: 0.23%
```

Run 3: Report of LEDBAT — Data Link

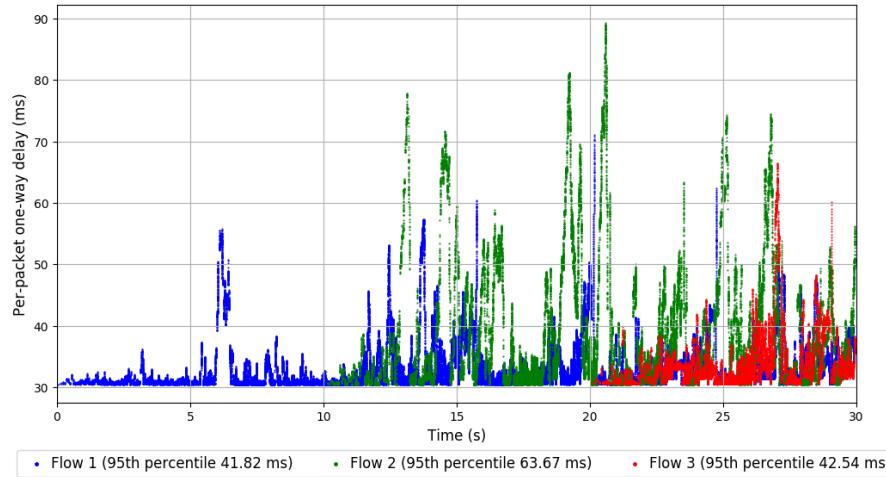
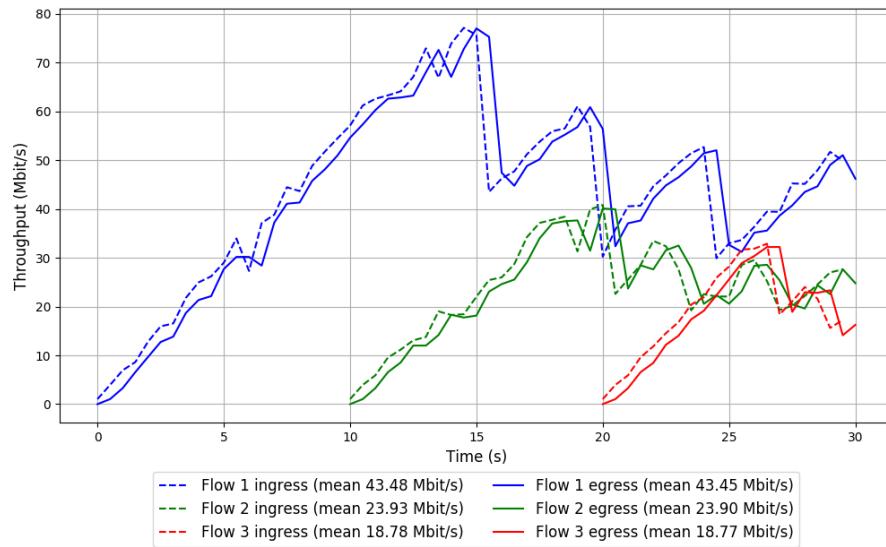


Run 4: Statistics of LEDBAT

```
Start at: 2019-11-25 02:09:15
End at: 2019-11-25 02:09:45
Local clock offset: 4.665 ms
Remote clock offset: 3.21 ms

# Below is generated by plot.py at 2019-11-25 06:24:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 48.774 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 41.822 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 63.670 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 42.536 ms
Loss rate: 0.68%
```

Run 4: Report of LEDBAT — Data Link

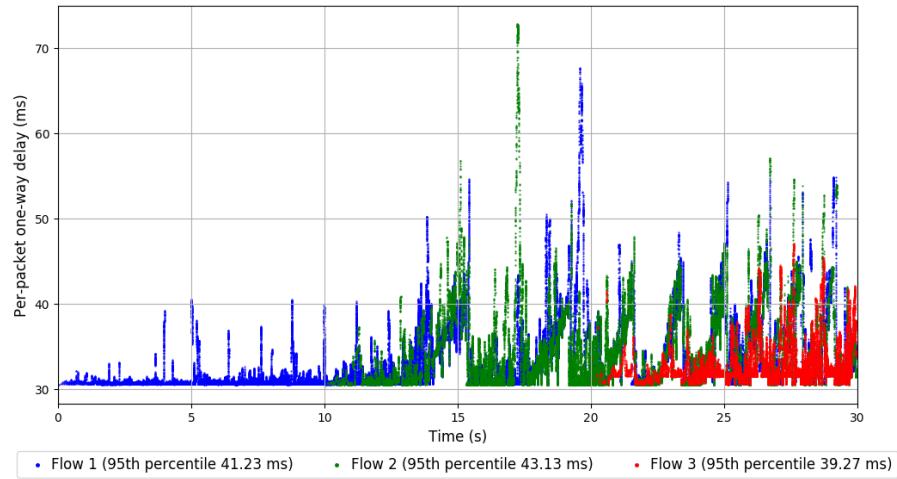
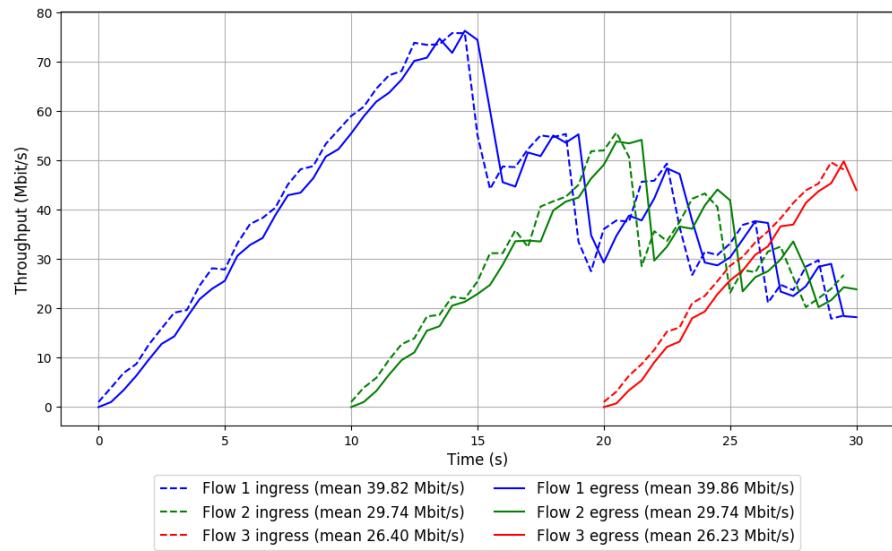


Run 5: Statistics of LEDBAT

```
Start at: 2019-11-25 05:26:36
End at: 2019-11-25 05:27:06
Local clock offset: 3.15 ms
Remote clock offset: 3.978 ms

# Below is generated by plot.py at 2019-11-25 06:24:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 41.768 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 41.227 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 43.128 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 39.271 ms
Loss rate: 1.33%
```

Run 5: Report of LEDBAT — Data Link

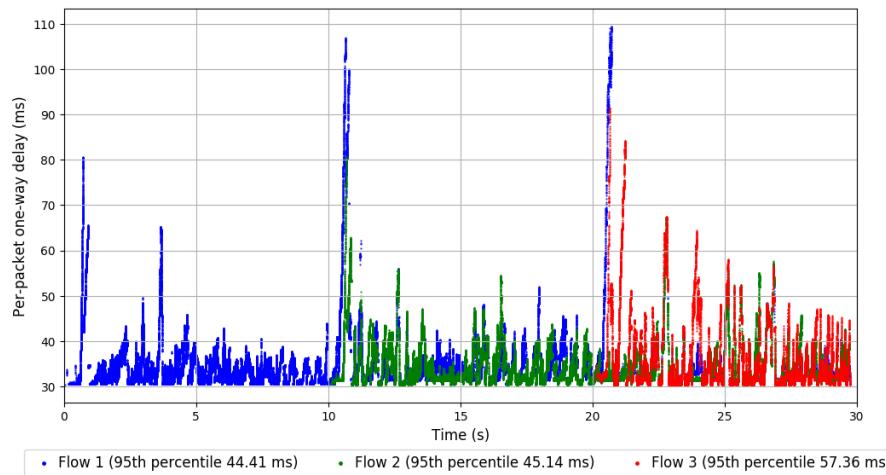
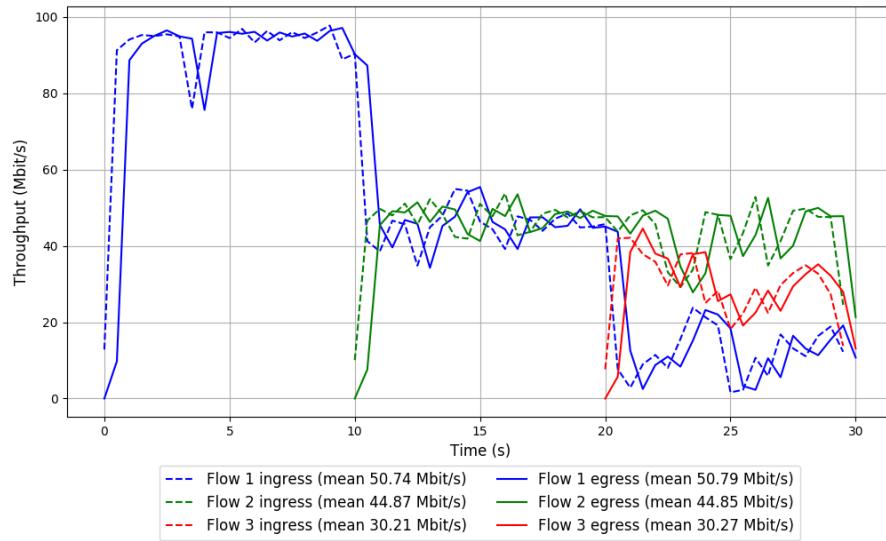


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 15:52:37
End at: 2019-11-24 15:53:07
Local clock offset: 3.102 ms
Remote clock offset: 3.752 ms

# Below is generated by plot.py at 2019-11-25 06:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 46.747 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 50.79 Mbit/s
95th percentile per-packet one-way delay: 44.415 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 45.141 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 57.364 ms
Loss rate: 0.47%
```

Run 1: Report of Muses_DecisionTree — Data Link

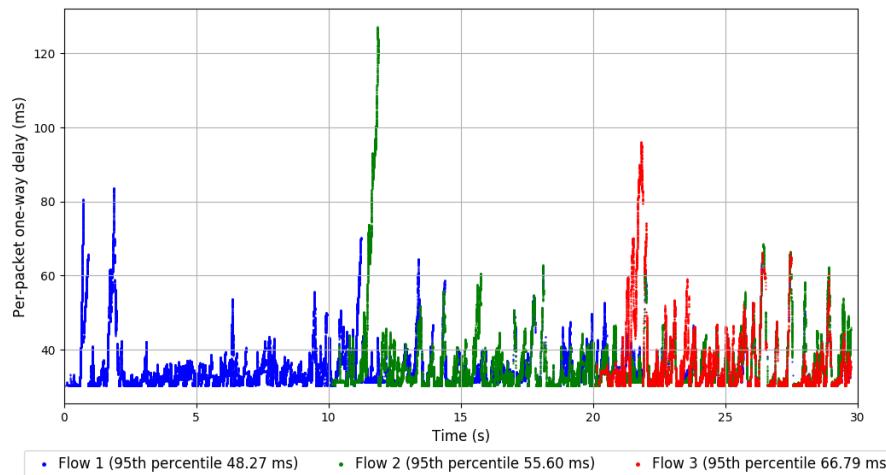
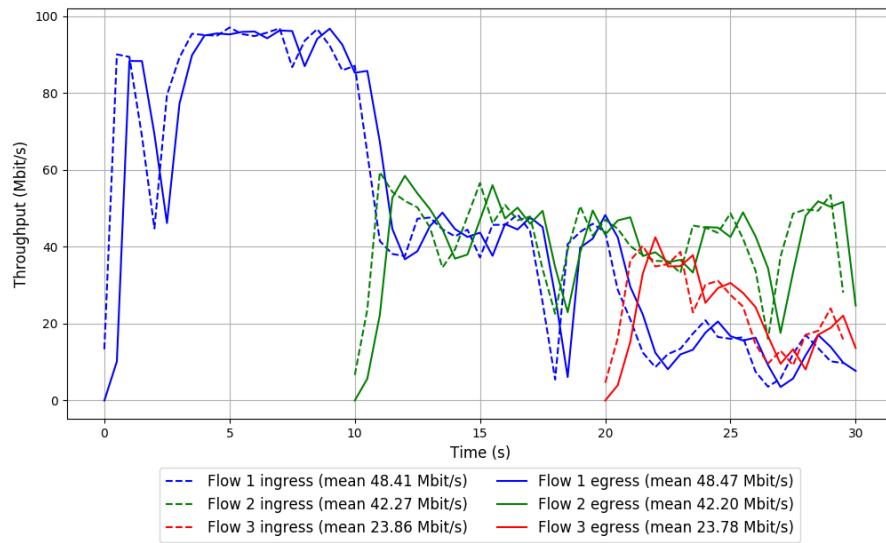


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 17:15:34
End at: 2019-11-24 17:16:04
Local clock offset: 3.836 ms
Remote clock offset: 4.148 ms

# Below is generated by plot.py at 2019-11-25 06:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 52.134 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 48.274 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 55.597 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 66.790 ms
Loss rate: 1.00%
```

Run 2: Report of Muses_DecisionTree — Data Link

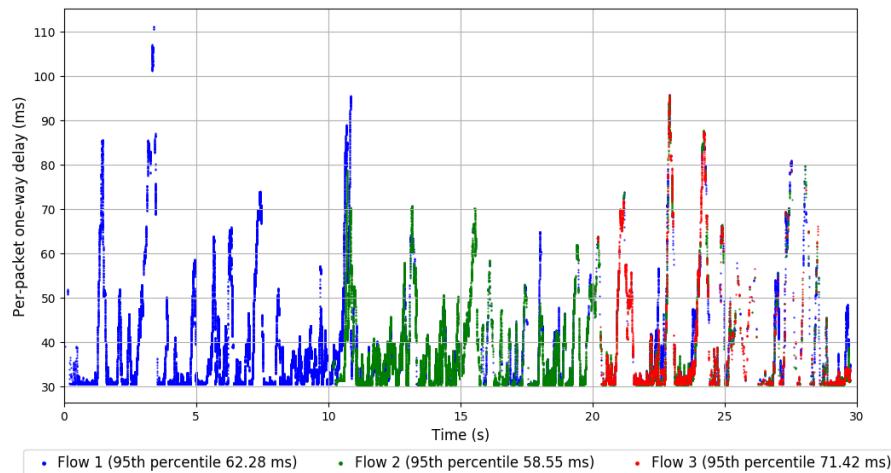
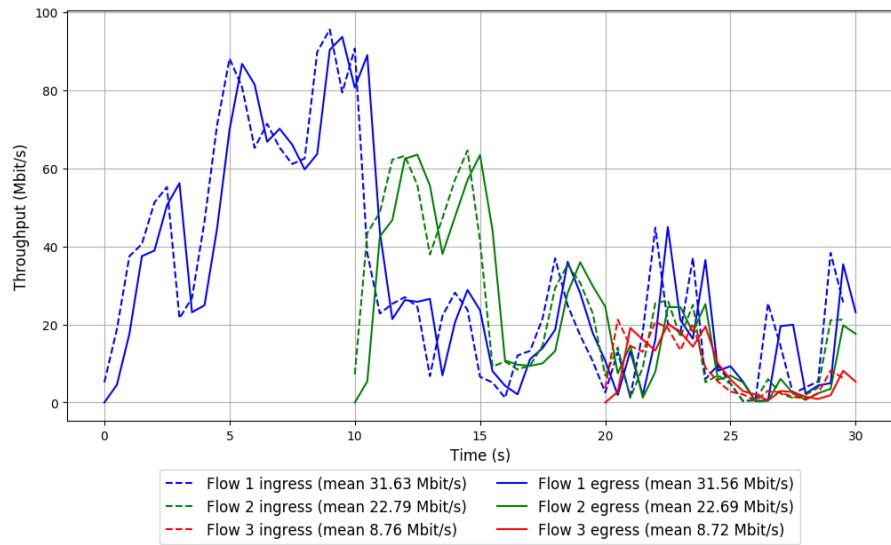


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 22:05:24
End at: 2019-11-24 22:05:54
Local clock offset: 3.032 ms
Remote clock offset: 4.184 ms

# Below is generated by plot.py at 2019-11-25 06:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.40 Mbit/s
95th percentile per-packet one-way delay: 62.131 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 62.281 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 58.550 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 71.419 ms
Loss rate: 1.36%
```

Run 3: Report of Muses_DecisionTree — Data Link

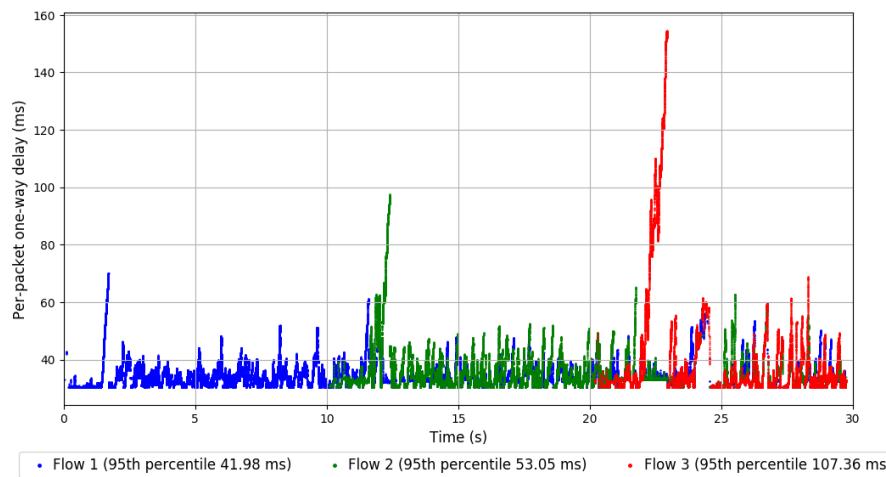
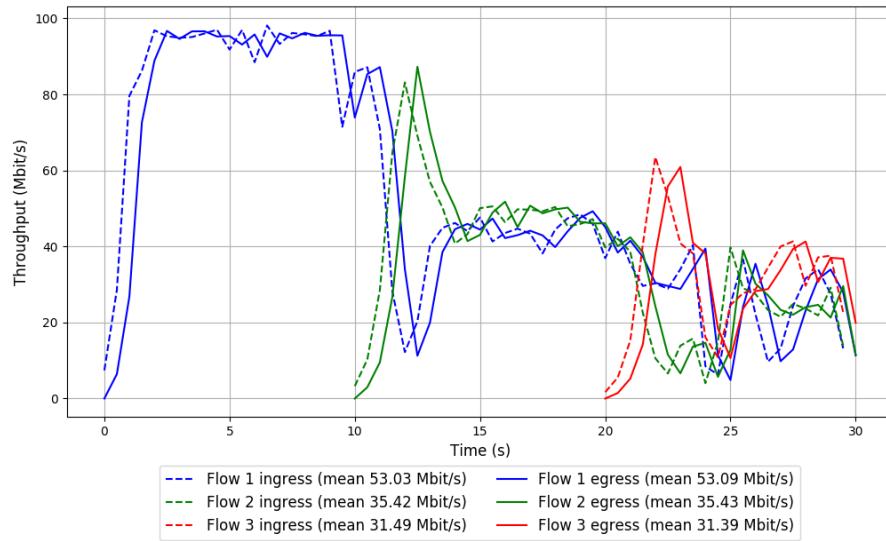


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-25 01:03:45
End at: 2019-11-25 01:04:15
Local clock offset: 3.098 ms
Remote clock offset: 5.599 ms

# Below is generated by plot.py at 2019-11-25 06:25:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 50.248 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 53.09 Mbit/s
95th percentile per-packet one-way delay: 41.978 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 53.053 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 107.358 ms
Loss rate: 1.04%
```

Run 4: Report of Muses_DecisionTree — Data Link

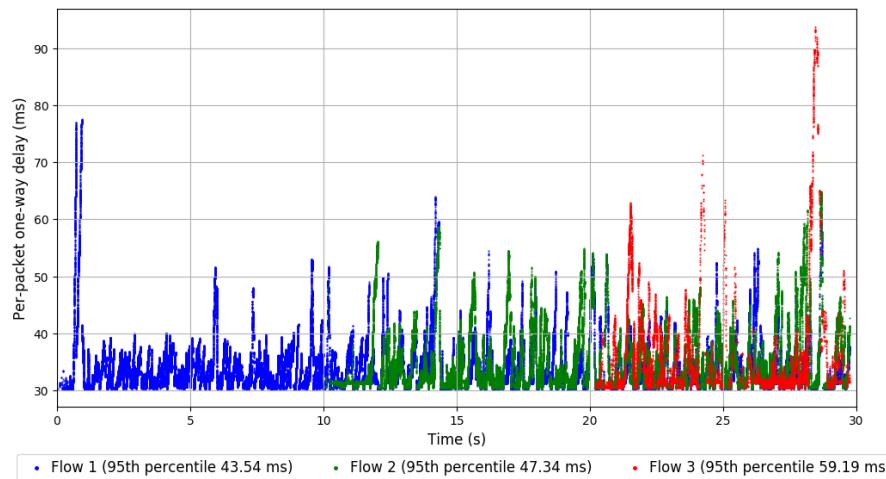
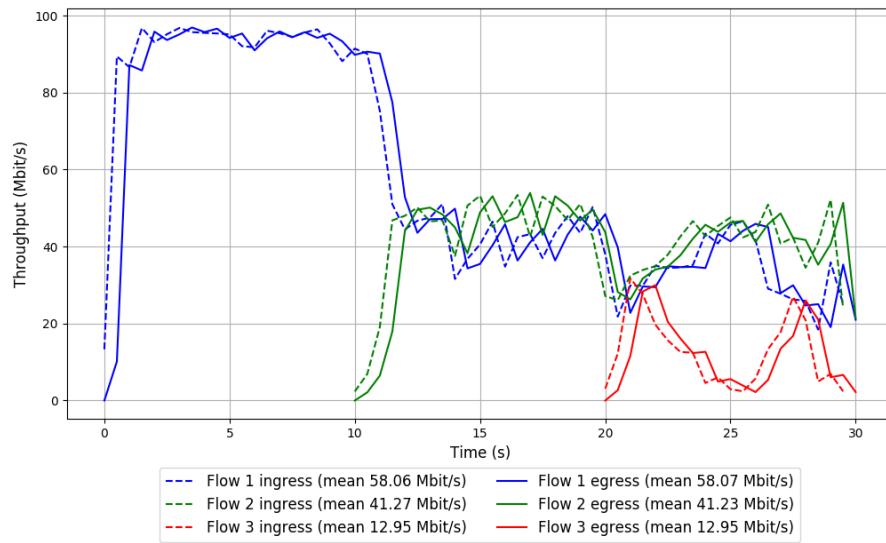


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-25 04:49:58
End at: 2019-11-25 04:50:28
Local clock offset: 3.866 ms
Remote clock offset: 3.544 ms

# Below is generated by plot.py at 2019-11-25 06:25:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 45.974 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 43.539 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 47.343 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 59.189 ms
Loss rate: 0.63%
```

Run 5: Report of Muses_DecisionTree — Data Link

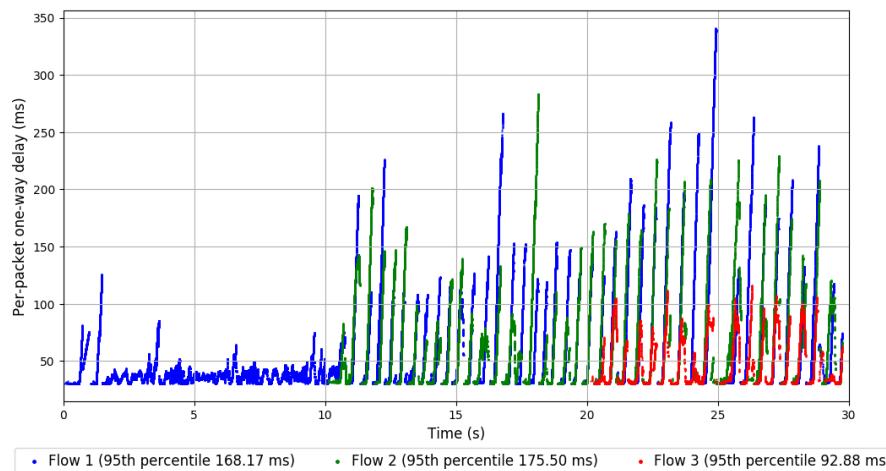
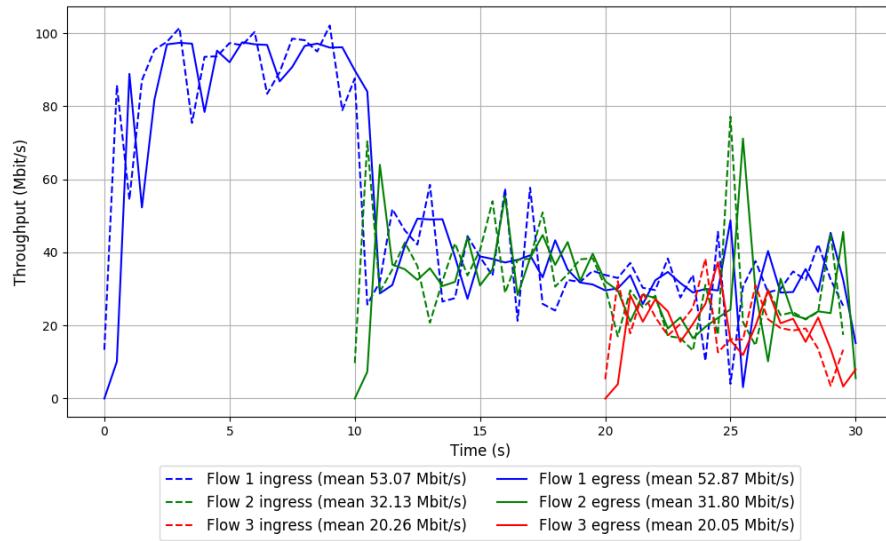


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 15:50:21
End at: 2019-11-24 15:50:51
Local clock offset: 3.116 ms
Remote clock offset: 3.72 ms

# Below is generated by plot.py at 2019-11-25 06:25:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 166.294 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 168.167 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 175.500 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 20.05 Mbit/s
95th percentile per-packet one-way delay: 92.881 ms
Loss rate: 1.71%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

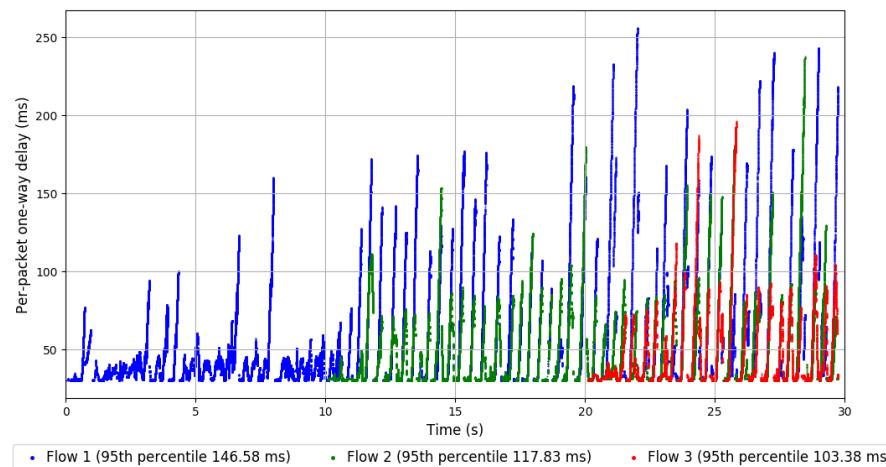
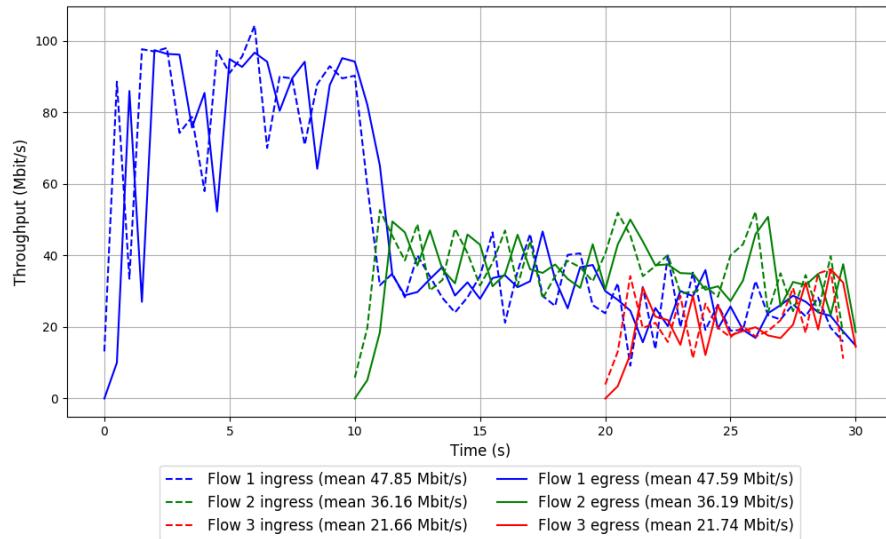


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 17:12:57
End at: 2019-11-24 17:13:27
Local clock offset: 3.723 ms
Remote clock offset: 4.088 ms

# Below is generated by plot.py at 2019-11-25 06:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 134.327 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 146.578 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 117.834 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 103.378 ms
Loss rate: 0.31%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

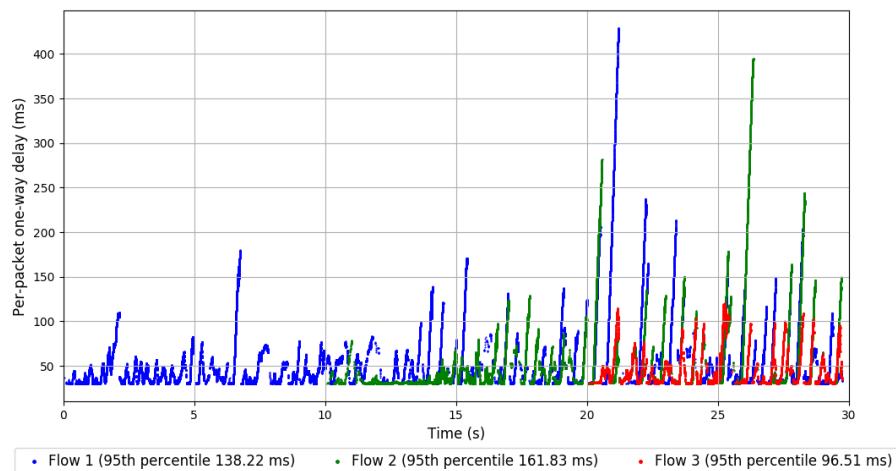
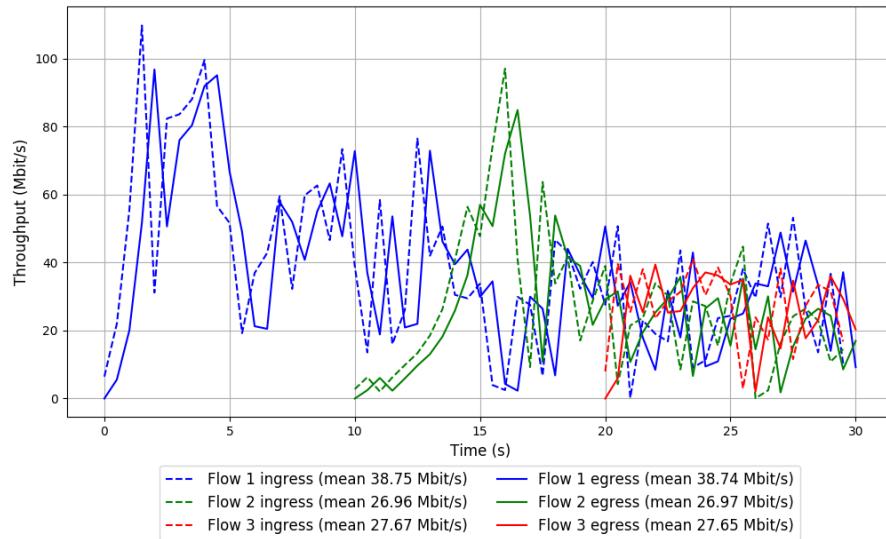


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 21:53:08
End at: 2019-11-24 21:53:38
Local clock offset: 2.916 ms
Remote clock offset: 5.6 ms

# Below is generated by plot.py at 2019-11-25 06:25:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.60 Mbit/s
95th percentile per-packet one-way delay: 136.023 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 138.219 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 161.828 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 96.511 ms
Loss rate: 0.72%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

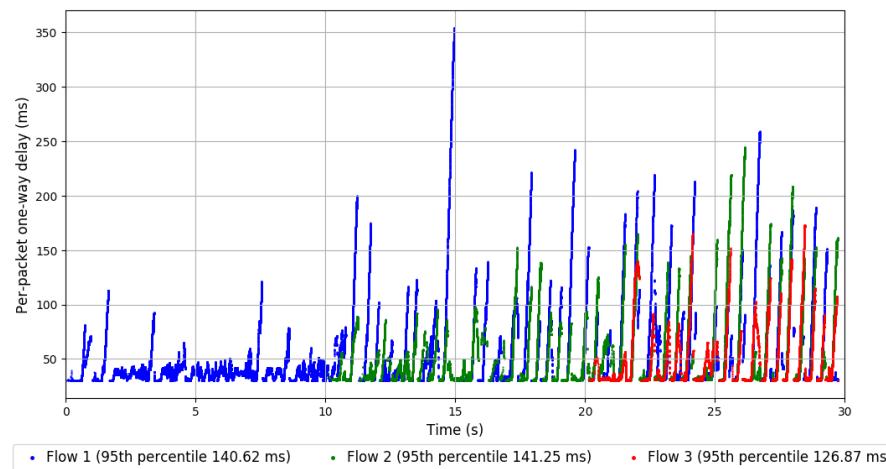
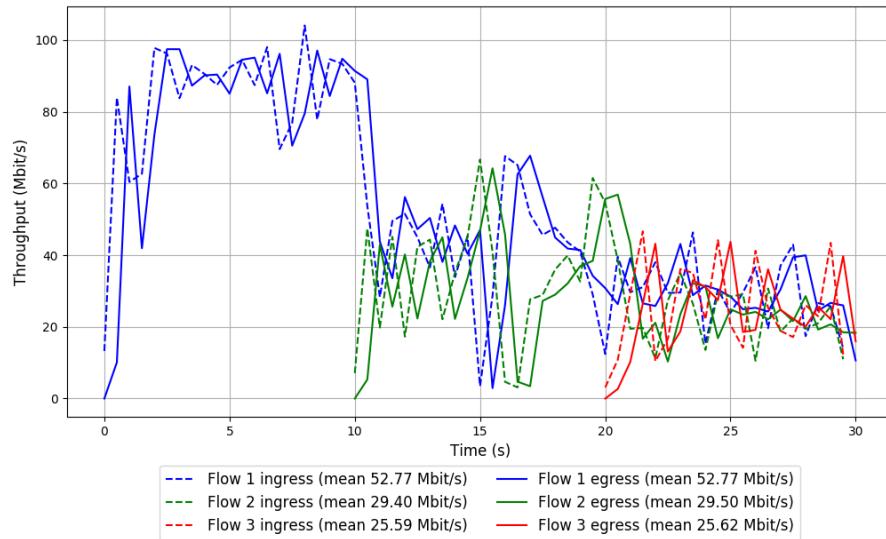


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-25 01:01:04
End at: 2019-11-25 01:01:34
Local clock offset: 3.094 ms
Remote clock offset: 5.747 ms

# Below is generated by plot.py at 2019-11-25 06:25:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.57 Mbit/s
95th percentile per-packet one-way delay: 137.637 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 52.77 Mbit/s
95th percentile per-packet one-way delay: 140.617 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 141.254 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 126.866 ms
Loss rate: 0.49%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

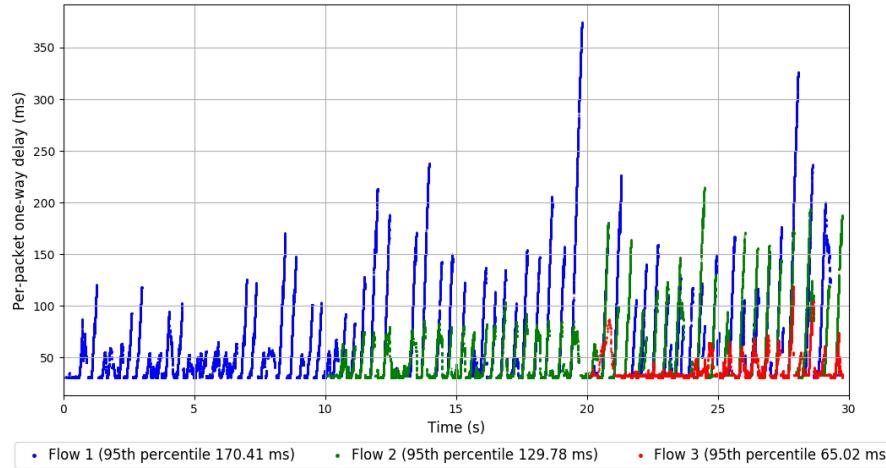
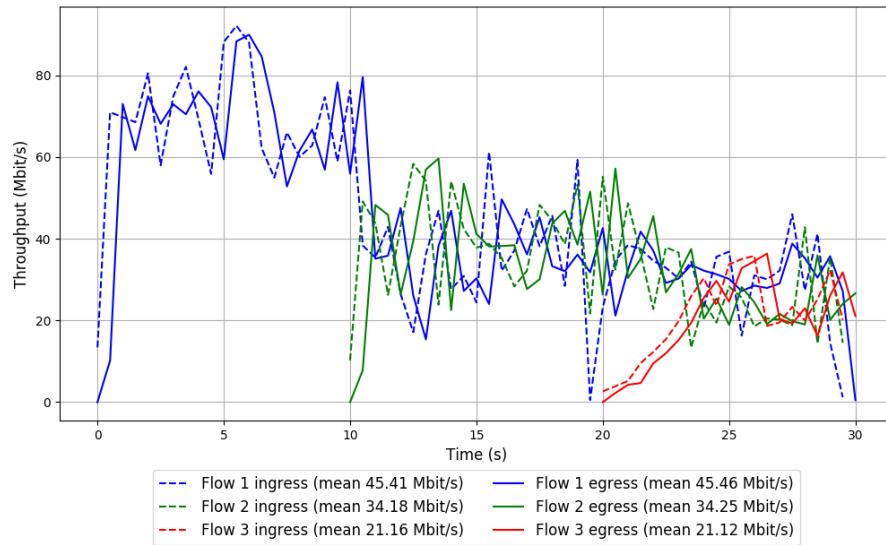


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-25 04:41:34
End at: 2019-11-25 04:42:04
Local clock offset: 3.571 ms
Remote clock offset: 3.092 ms

# Below is generated by plot.py at 2019-11-25 06:25:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 153.709 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 170.411 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 129.781 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 65.021 ms
Loss rate: 0.90%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

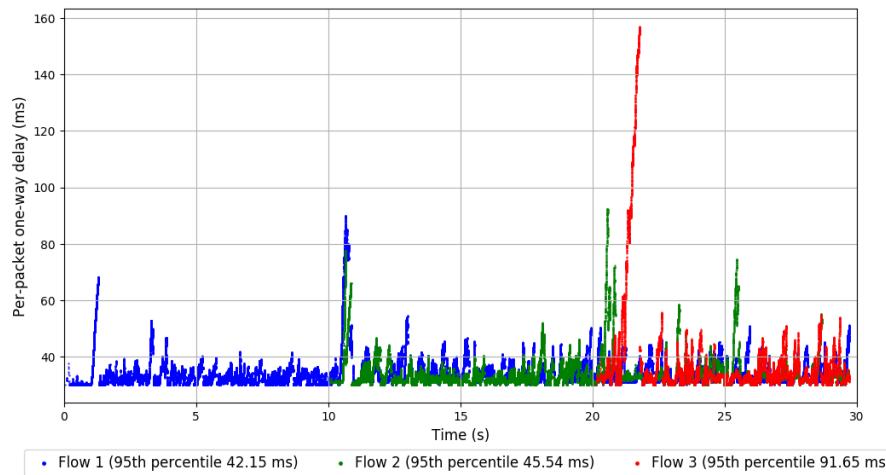
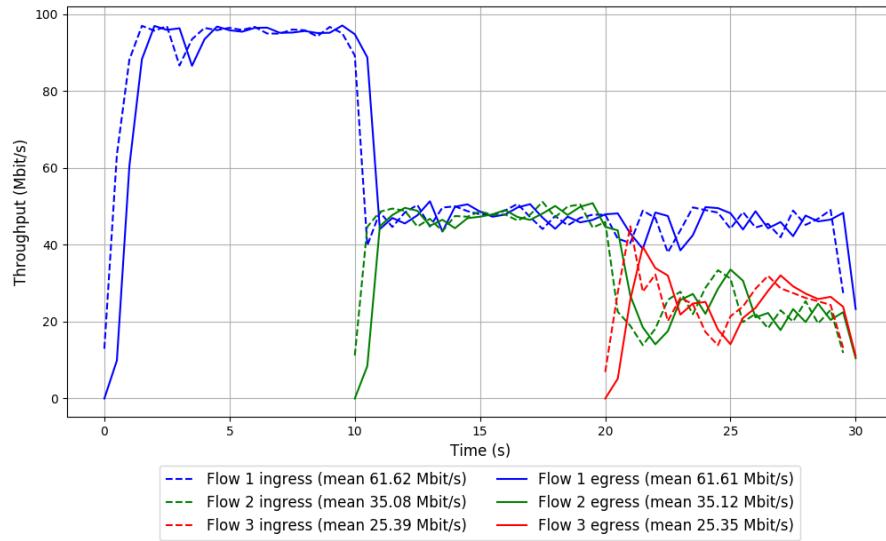


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 16:20:58
End at: 2019-11-24 16:21:28
Local clock offset: 3.333 ms
Remote clock offset: 4.508 ms

# Below is generated by plot.py at 2019-11-25 06:26:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 44.265 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 42.154 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 45.537 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 91.654 ms
Loss rate: 0.80%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

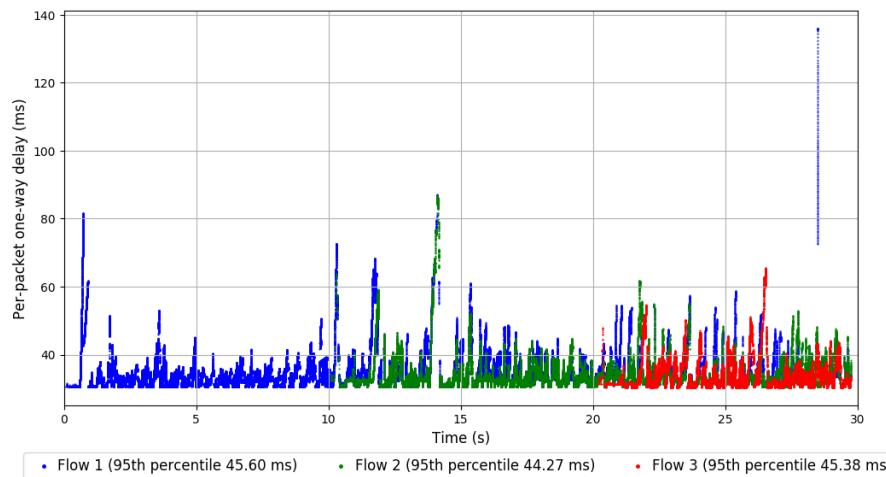
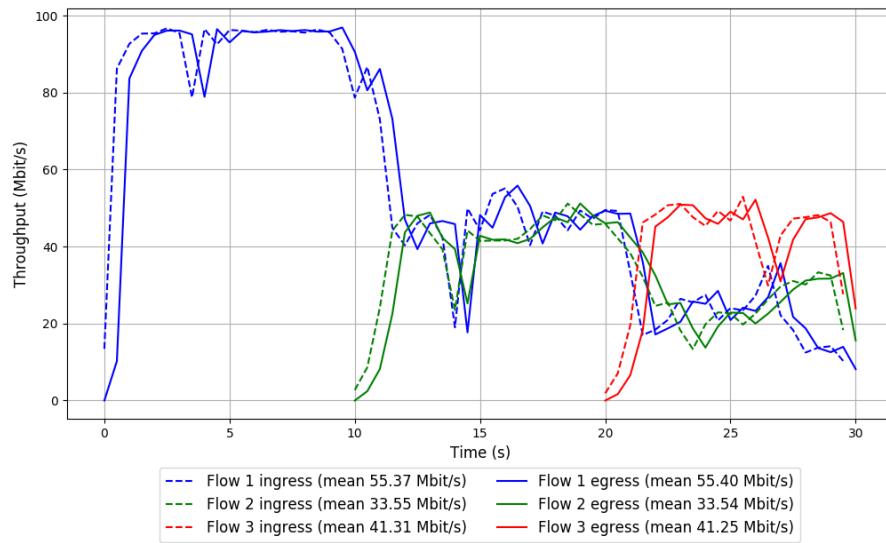


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 17:45:35
End at: 2019-11-24 17:46:05
Local clock offset: 4.471 ms
Remote clock offset: 4.269 ms

# Below is generated by plot.py at 2019-11-25 06:26:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 45.274 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 45.600 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 33.54 Mbit/s
95th percentile per-packet one-way delay: 44.266 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 45.375 ms
Loss rate: 0.82%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

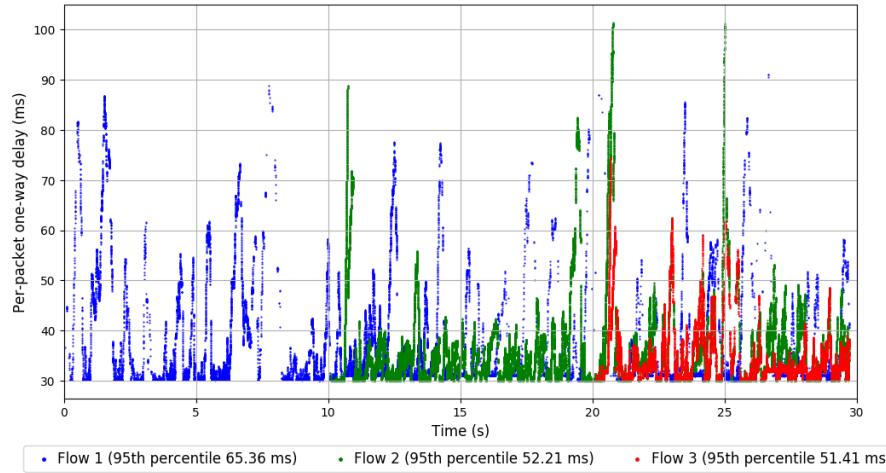
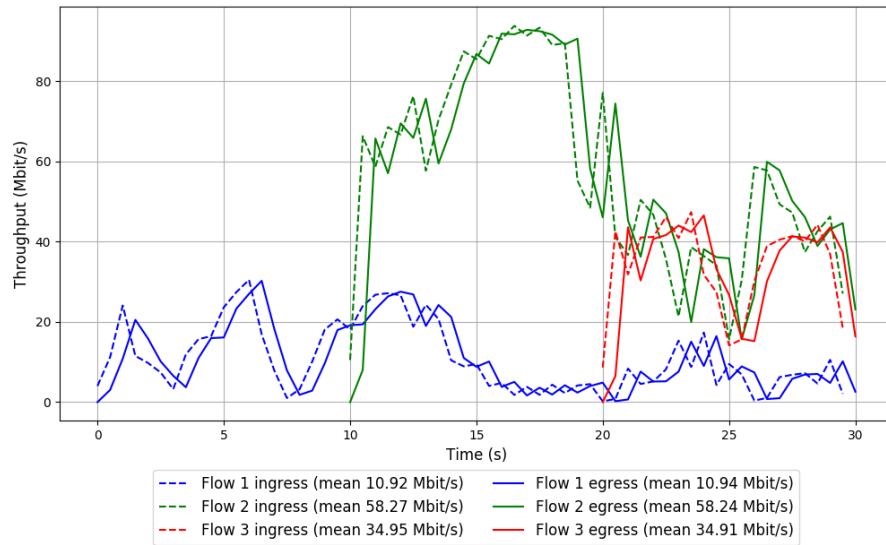


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 23:53:07
End at: 2019-11-24 23:53:37
Local clock offset: 3.73 ms
Remote clock offset: 5.209 ms

# Below is generated by plot.py at 2019-11-25 06:26:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 54.863 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 65.363 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 52.206 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 51.406 ms
Loss rate: 0.76%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

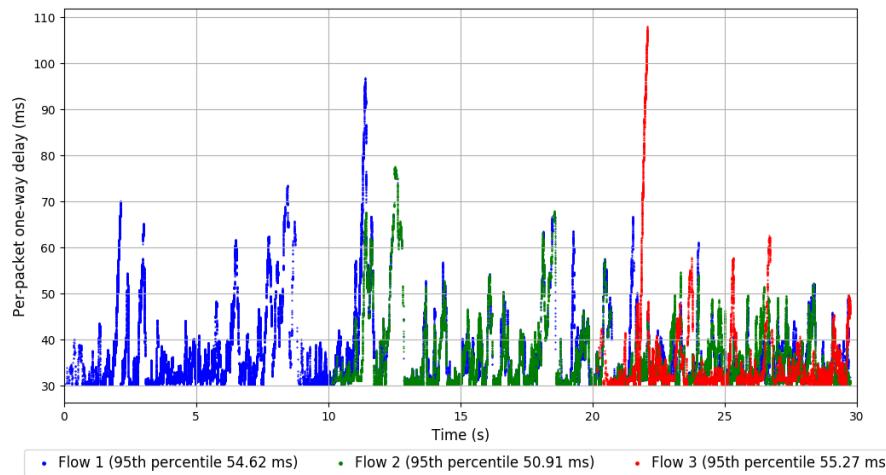
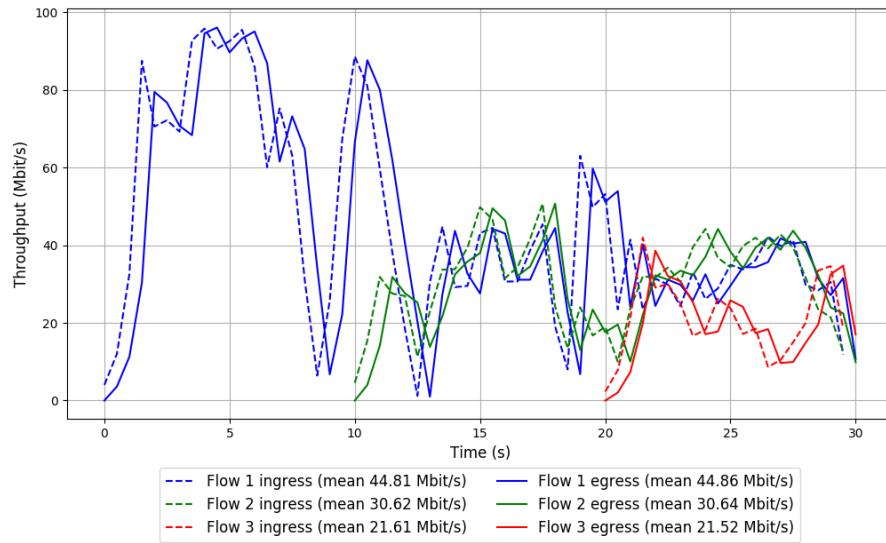


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-25 01:56:45
End at: 2019-11-25 01:57:15
Local clock offset: 4.39 ms
Remote clock offset: 4.32 ms

# Below is generated by plot.py at 2019-11-25 06:26:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 53.877 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 54.621 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 50.913 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 55.275 ms
Loss rate: 0.97%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

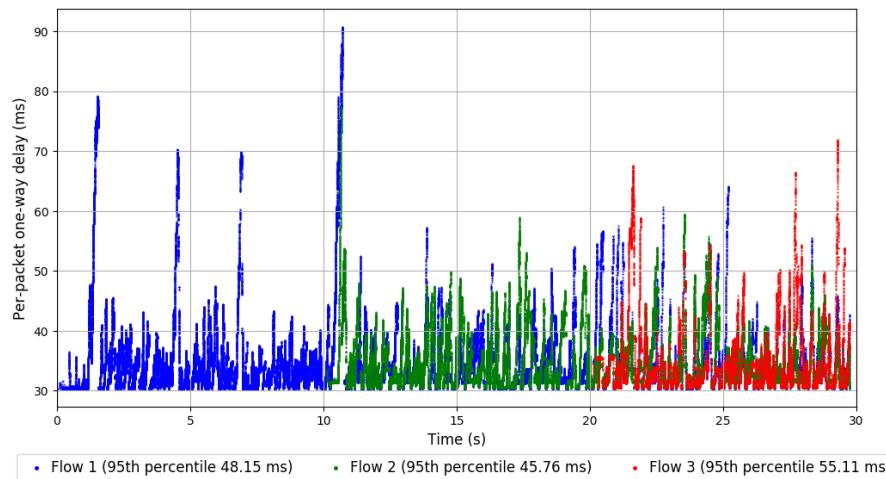
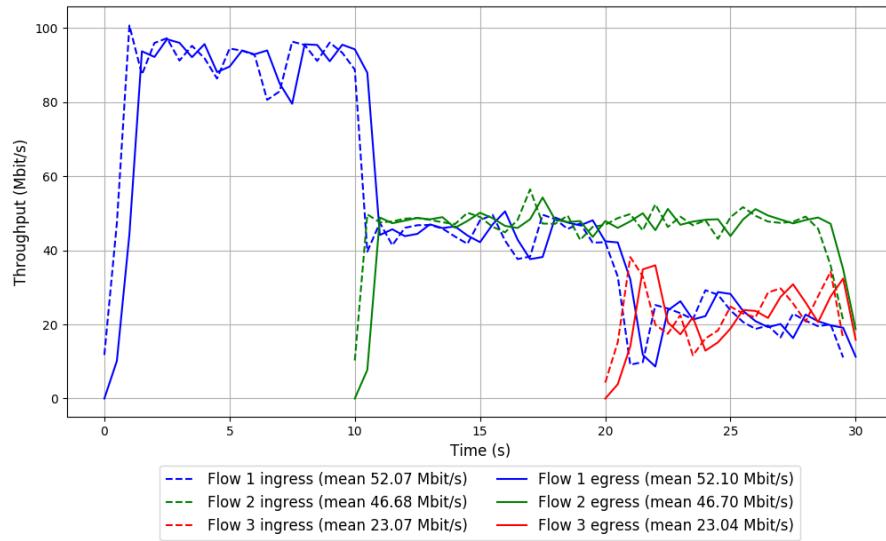


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-25 05:22:59
End at: 2019-11-25 05:23:29
Local clock offset: 3.266 ms
Remote clock offset: 4.02 ms

# Below is generated by plot.py at 2019-11-25 06:26:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 47.372 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 52.10 Mbit/s
95th percentile per-packet one-way delay: 48.145 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 45.762 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 55.110 ms
Loss rate: 0.85%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

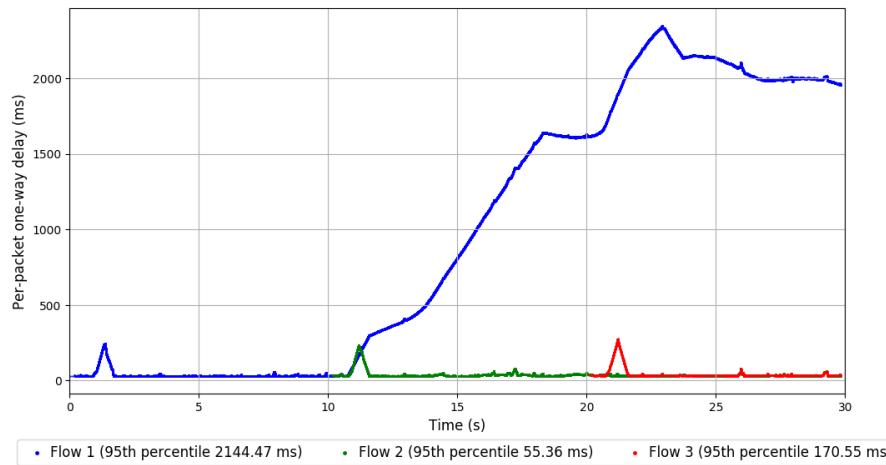
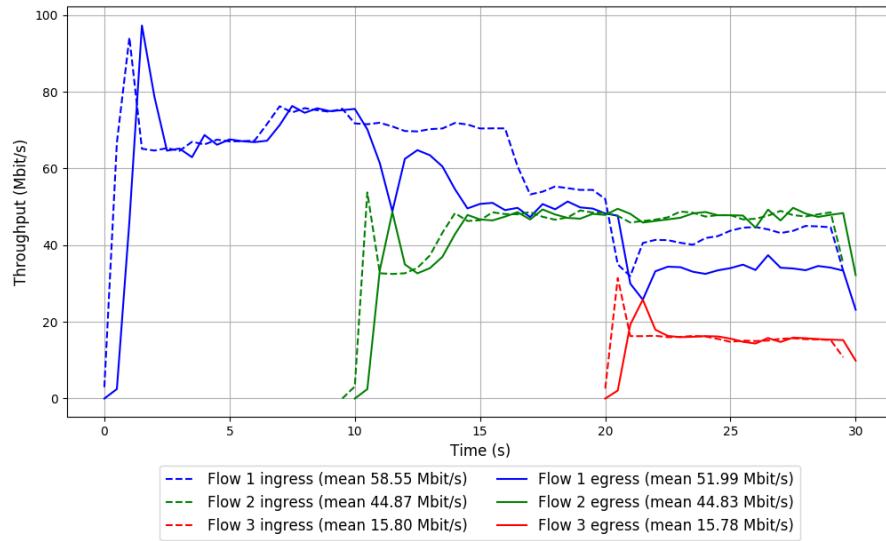


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-11-24 16:12:03
End at: 2019-11-24 16:12:33
Local clock offset: 3.084 ms
Remote clock offset: 4.135 ms

# Below is generated by plot.py at 2019-11-25 06:26:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 2093.633 ms
Loss rate: 7.29%
-- Flow 1:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 2144.473 ms
Loss rate: 11.38%
-- Flow 2:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 55.358 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 15.78 Mbit/s
95th percentile per-packet one-way delay: 170.554 ms
Loss rate: 0.78%
```

Run 1: Report of PCC-Allegro — Data Link

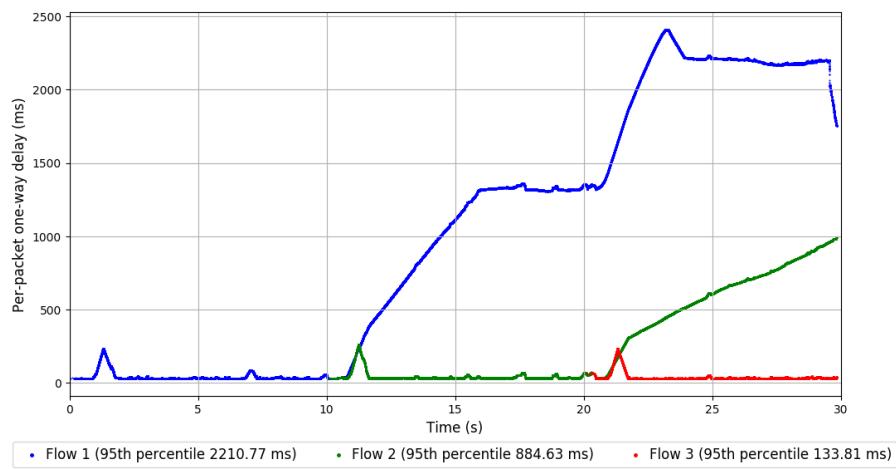
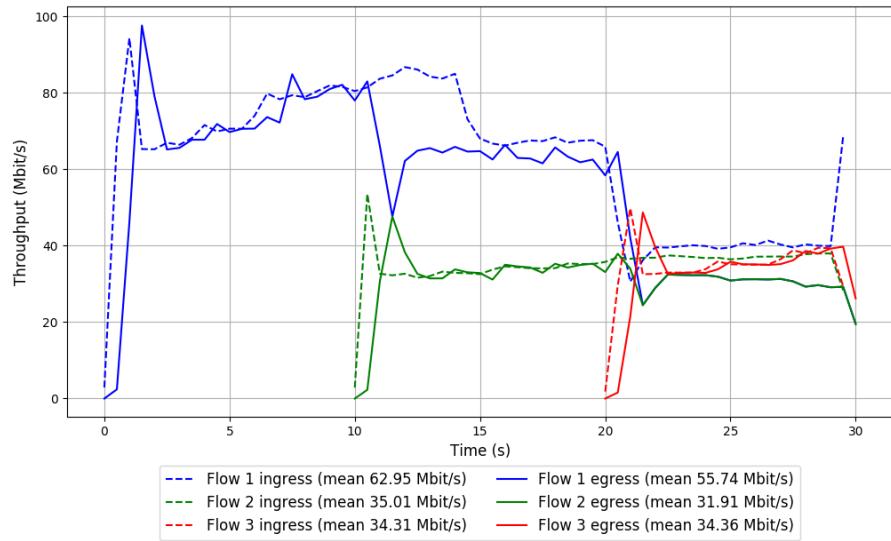


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-11-24 17:33:27
End at: 2019-11-24 17:33:57
Local clock offset: 4.293 ms
Remote clock offset: 4.316 ms

# Below is generated by plot.py at 2019-11-25 06:26:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 2200.997 ms
Loss rate: 9.80%
-- Flow 1:
Average throughput: 55.74 Mbit/s
95th percentile per-packet one-way delay: 2210.774 ms
Loss rate: 11.64%
-- Flow 2:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 884.631 ms
Loss rate: 9.14%
-- Flow 3:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 133.808 ms
Loss rate: 0.90%
```

Run 2: Report of PCC-Allegro — Data Link

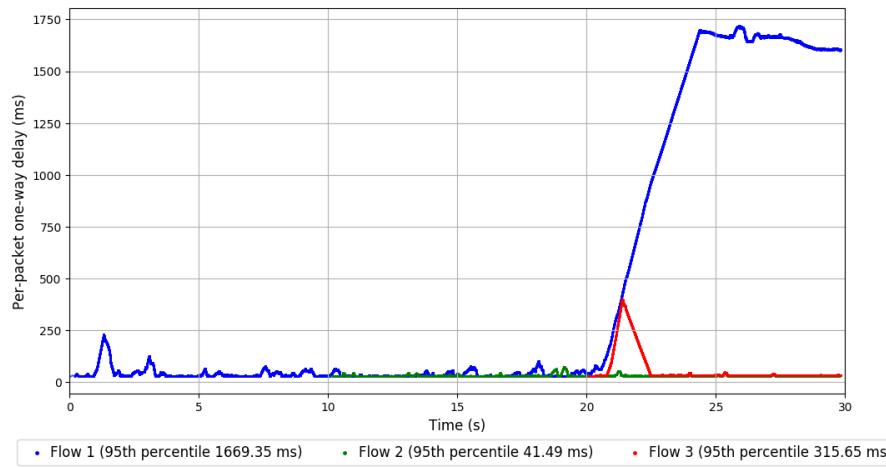
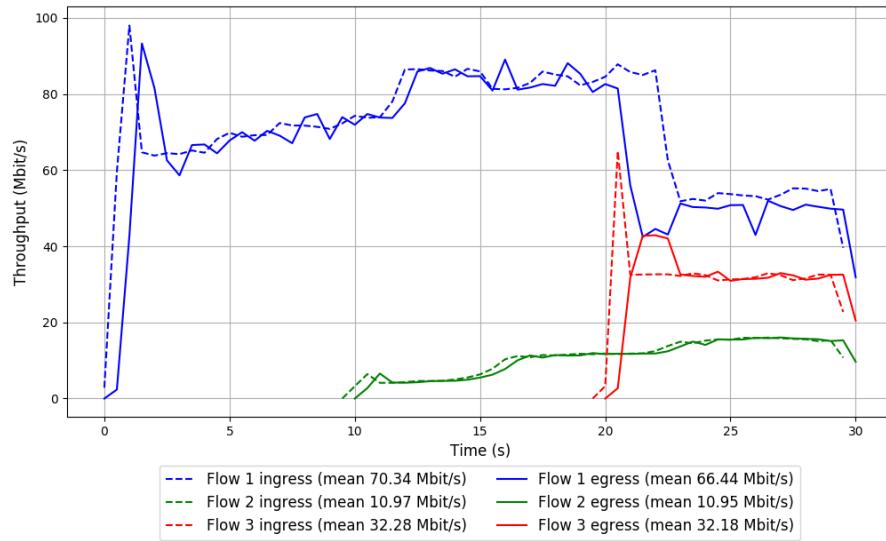


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-11-24 23:28:04
End at: 2019-11-24 23:28:34
Local clock offset: 3.8 ms
Remote clock offset: 10.073 ms

# Below is generated by plot.py at 2019-11-25 06:27:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 1665.924 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 1669.351 ms
Loss rate: 5.74%
-- Flow 2:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 41.494 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 315.655 ms
Loss rate: 0.96%
```

Run 3: Report of PCC-Allegro — Data Link

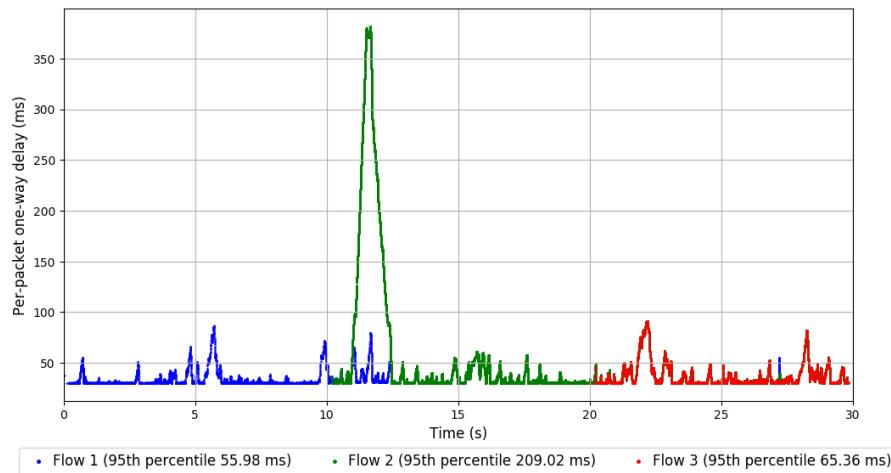
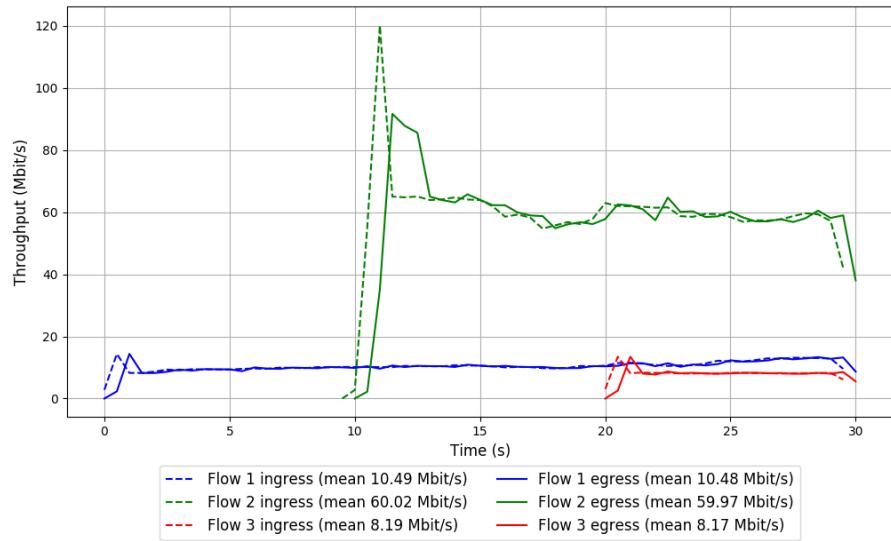


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-11-25 01:31:34
End at: 2019-11-25 01:32:04
Local clock offset: 3.559 ms
Remote clock offset: 6.179 ms

# Below is generated by plot.py at 2019-11-25 06:27:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 157.150 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 55.983 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 209.024 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 65.356 ms
Loss rate: 0.89%
```

Run 4: Report of PCC-Allegro — Data Link

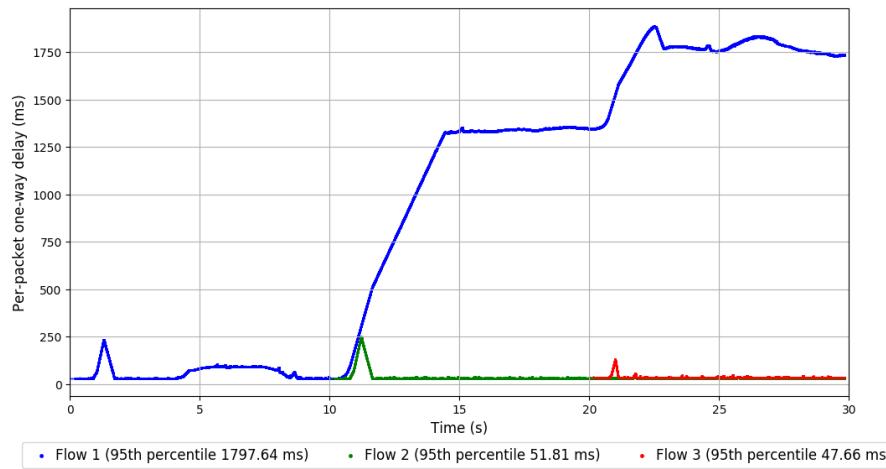
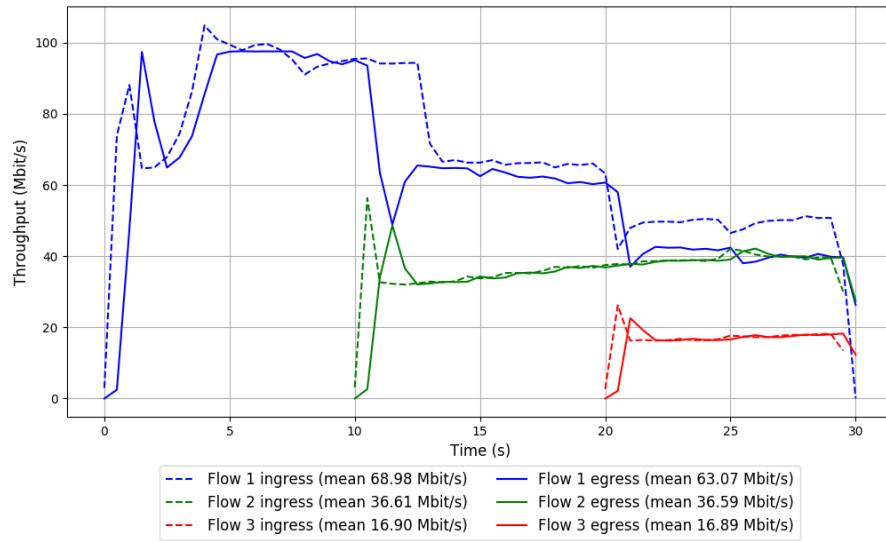


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-11-25 05:11:59
End at: 2019-11-25 05:12:29
Local clock offset: 3.786 ms
Remote clock offset: 3.709 ms

# Below is generated by plot.py at 2019-11-25 06:27:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 1781.159 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 1797.644 ms
Loss rate: 9.96%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 51.815 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 47.661 ms
Loss rate: 0.73%
```

Run 5: Report of PCC-Allegro — Data Link

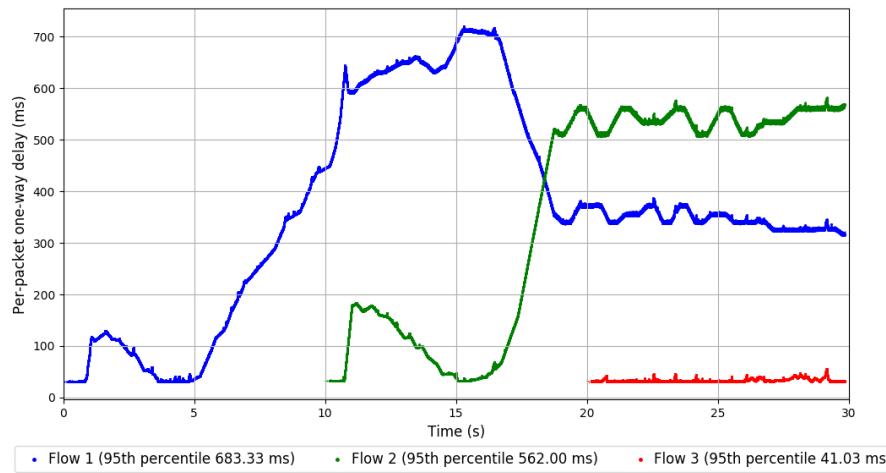
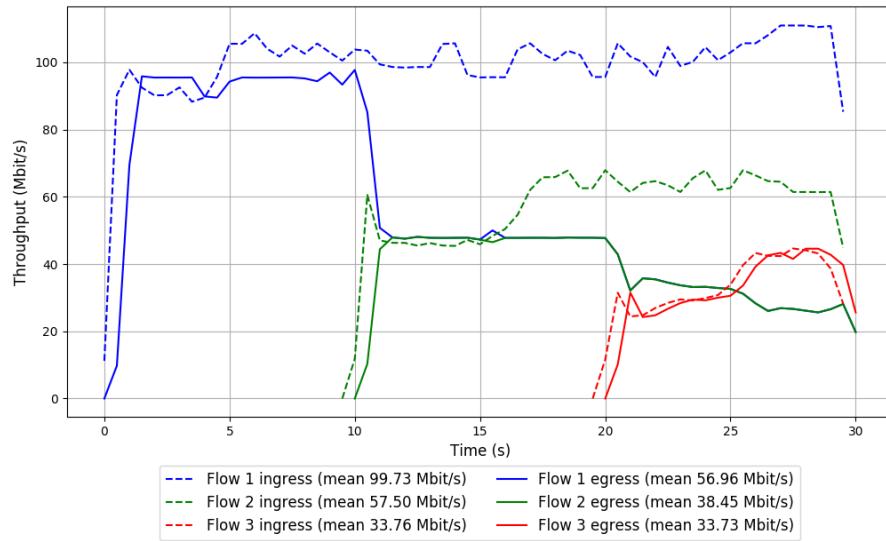


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-11-24 16:26:35
End at: 2019-11-24 16:27:05
Local clock offset: 3.39 ms
Remote clock offset: 4.353 ms

# Below is generated by plot.py at 2019-11-25 06:28:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 650.347 ms
Loss rate: 37.36%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 683.332 ms
Loss rate: 43.00%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 561.999 ms
Loss rate: 33.35%
-- Flow 3:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 41.029 ms
Loss rate: 0.73%
```

Run 1: Report of PCC-Expr — Data Link

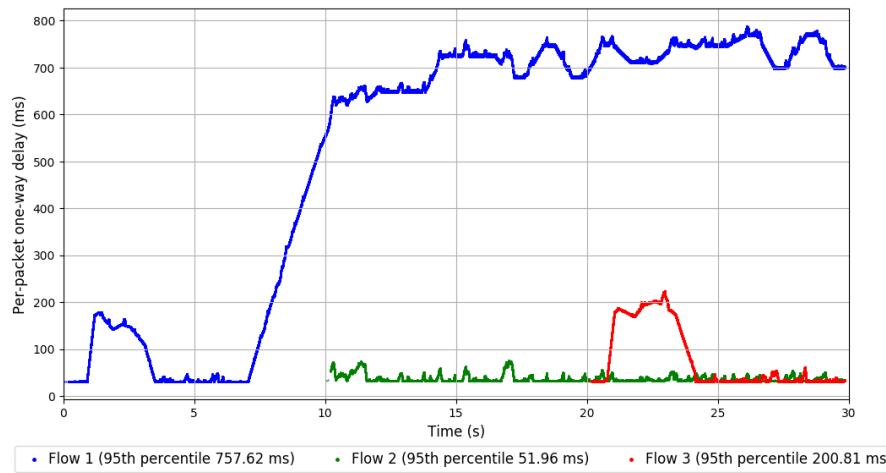
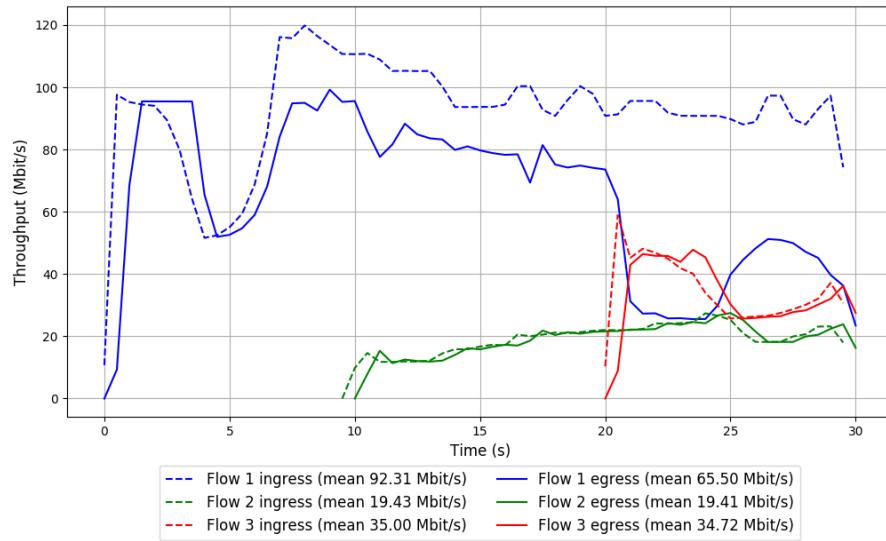


Run 2: Statistics of PCC-Expr

```
Start at: 2019-11-24 17:53:41
End at: 2019-11-24 17:54:11
Local clock offset: 4.514 ms
Remote clock offset: 4.304 ms

# Below is generated by plot.py at 2019-11-25 06:28:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 750.712 ms
Loss rate: 23.27%
-- Flow 1:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 757.619 ms
Loss rate: 29.20%
-- Flow 2:
Average throughput: 19.41 Mbit/s
95th percentile per-packet one-way delay: 51.959 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 200.813 ms
Loss rate: 1.45%
```

Run 2: Report of PCC-Expr — Data Link

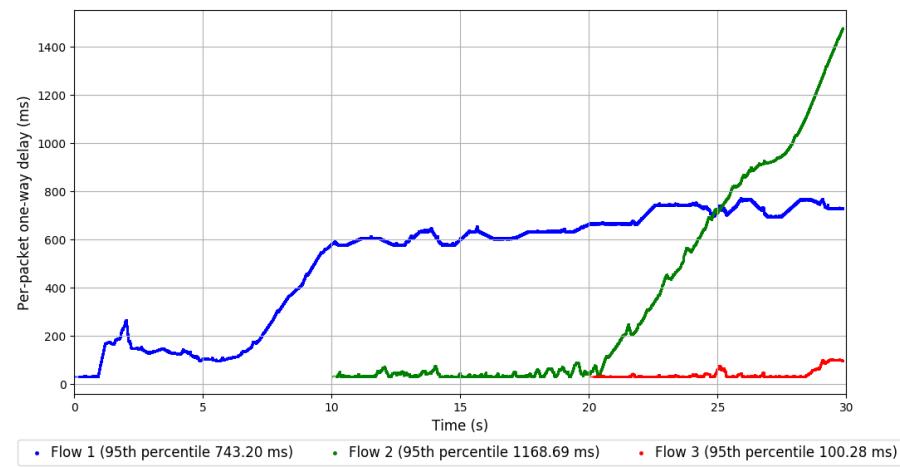
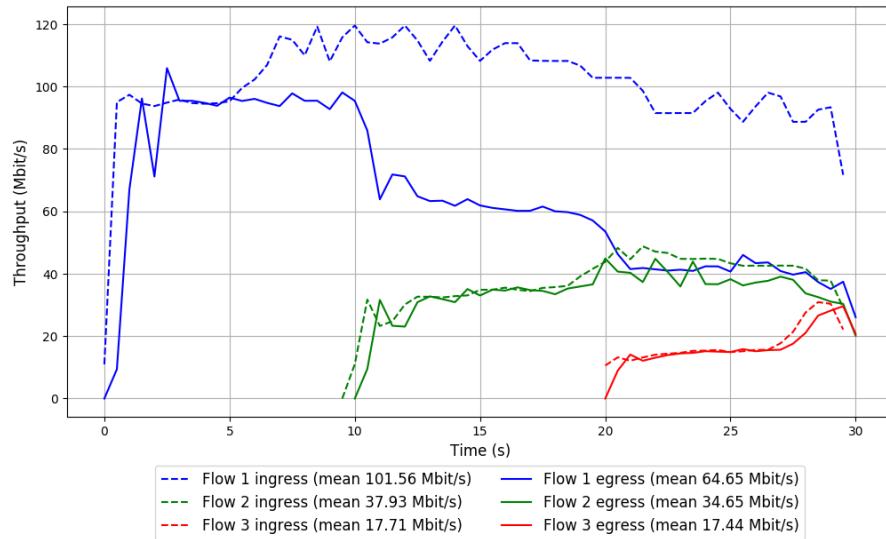


Run 3: Statistics of PCC-Expr

```
Start at: 2019-11-25 00:01:02
End at: 2019-11-25 00:01:32
Local clock offset: 3.693 ms
Remote clock offset: 4.967 ms

# Below is generated by plot.py at 2019-11-25 06:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 823.173 ms
Loss rate: 29.72%
-- Flow 1:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 743.203 ms
Loss rate: 36.48%
-- Flow 2:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 1168.690 ms
Loss rate: 8.93%
-- Flow 3:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 100.280 ms
Loss rate: 2.13%
```

Run 3: Report of PCC-Expr — Data Link

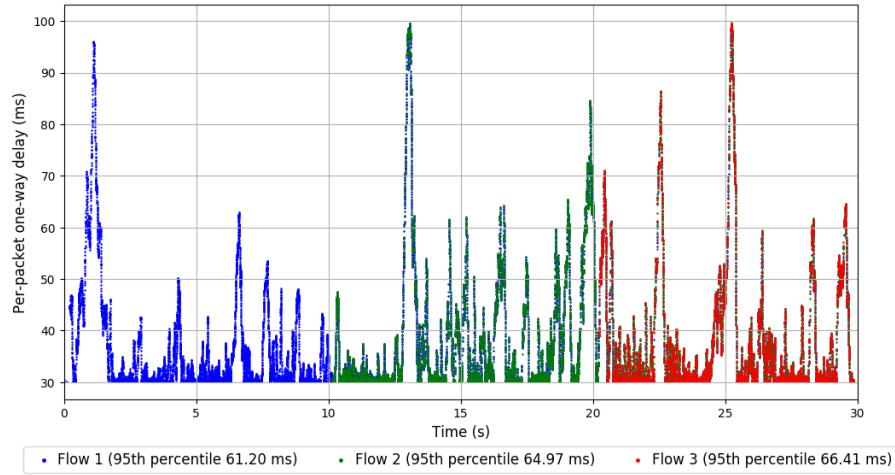
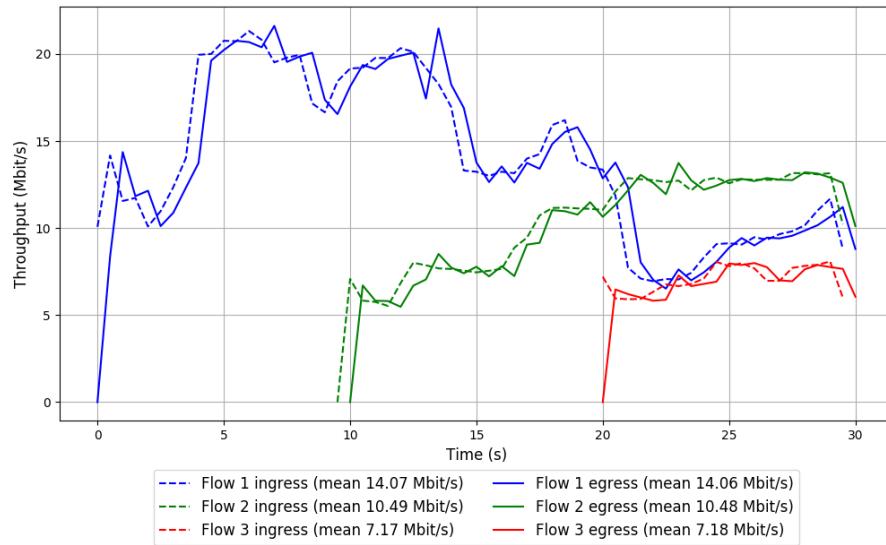


Run 4: Statistics of PCC-Expr

```
Start at: 2019-11-25 02:17:09
End at: 2019-11-25 02:17:39
Local clock offset: 4.145 ms
Remote clock offset: 2.803 ms

# Below is generated by plot.py at 2019-11-25 06:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 62.823 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 61.197 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 64.968 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 66.414 ms
Loss rate: 0.77%
```

Run 4: Report of PCC-Expr — Data Link

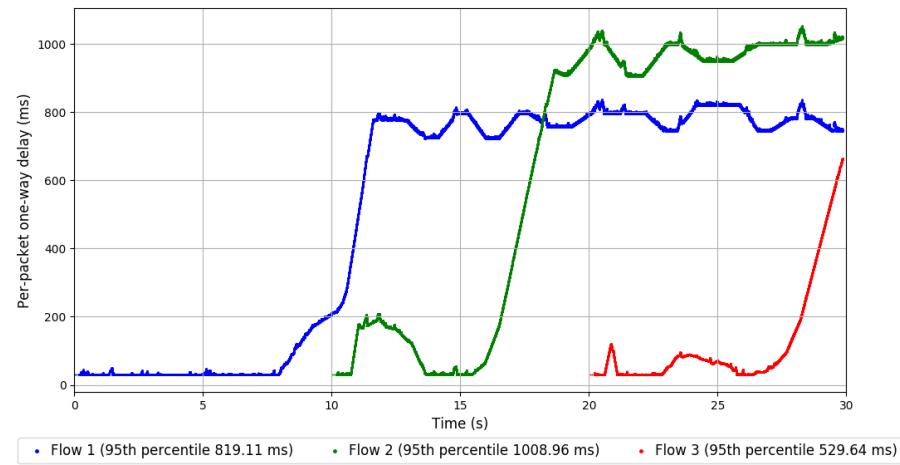
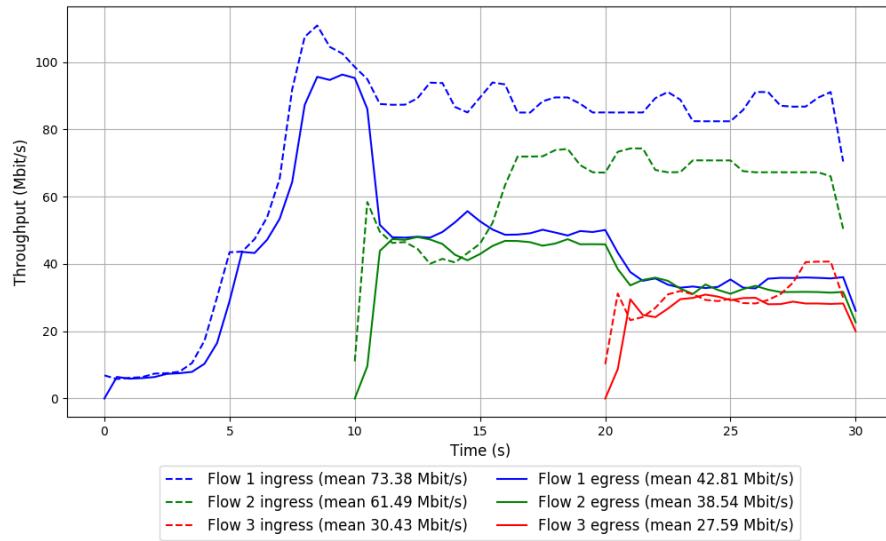


Run 5: Statistics of PCC-Expr

```
Start at: 2019-11-25 05:30:23
End at: 2019-11-25 05:30:53
Local clock offset: 3.095 ms
Remote clock offset: 4.197 ms

# Below is generated by plot.py at 2019-11-25 06:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 998.163 ms
Loss rate: 37.80%
-- Flow 1:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 819.109 ms
Loss rate: 41.78%
-- Flow 2:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 1008.959 ms
Loss rate: 37.53%
-- Flow 3:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 529.639 ms
Loss rate: 9.91%
```

Run 5: Report of PCC-Expr — Data Link

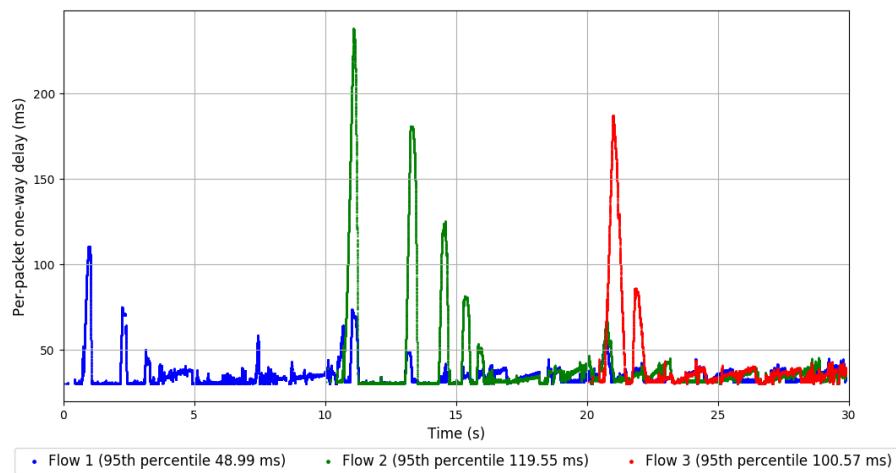
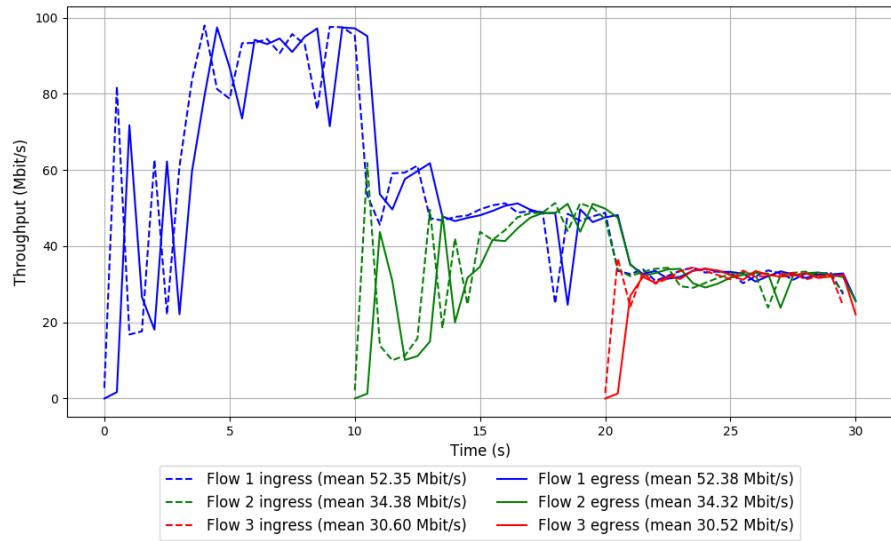


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-11-24 16:07:20
End at: 2019-11-24 16:07:50
Local clock offset: 2.934 ms
Remote clock offset: 4.072 ms

# Below is generated by plot.py at 2019-11-25 06:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 70.001 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 52.38 Mbit/s
95th percentile per-packet one-way delay: 48.995 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 119.552 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 100.567 ms
Loss rate: 0.93%
```

Run 1: Report of QUIC Cubic — Data Link

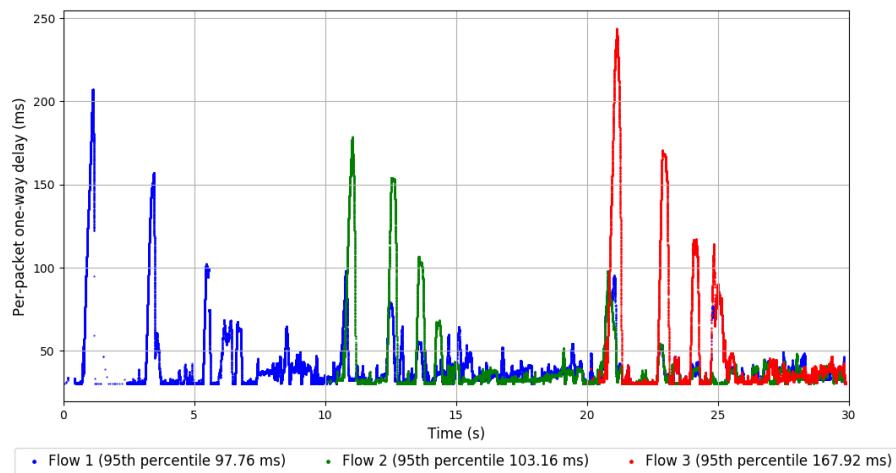
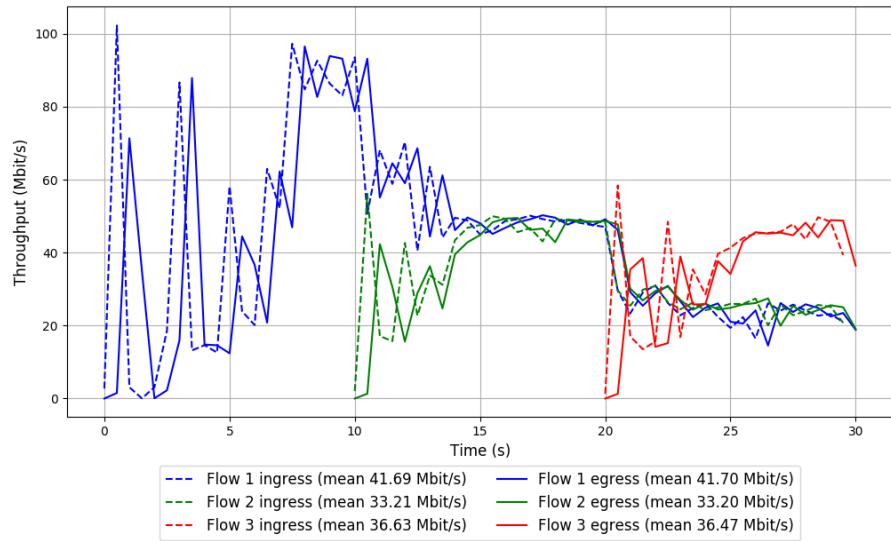


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-11-24 17:28:56
End at: 2019-11-24 17:29:26
Local clock offset: 4.179 ms
Remote clock offset: 4.269 ms

# Below is generated by plot.py at 2019-11-25 06:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 111.536 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 97.756 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 103.156 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 167.923 ms
Loss rate: 1.08%
```

Run 2: Report of QUIC Cubic — Data Link

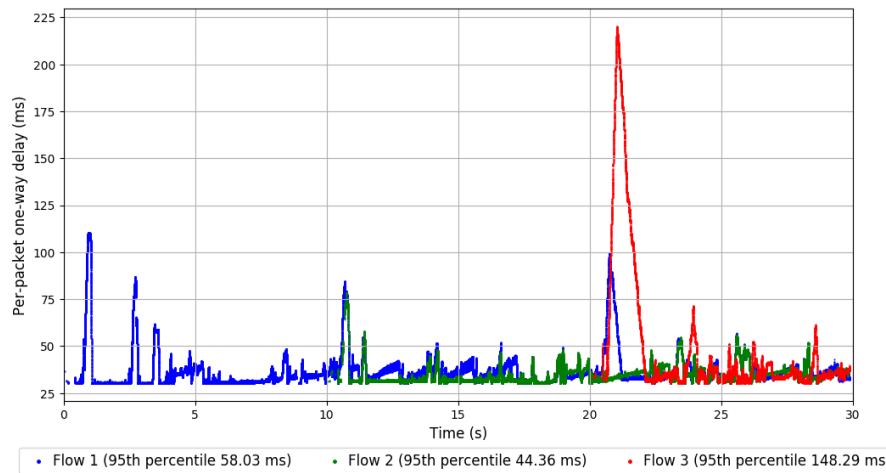
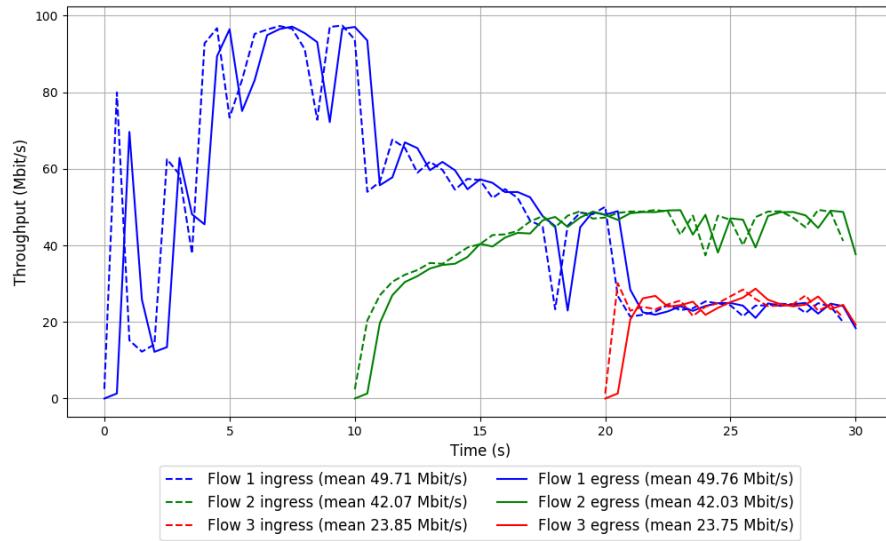


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-11-24 23:16:29
End at: 2019-11-24 23:16:59
Local clock offset: 3.671 ms
Remote clock offset: 10.938 ms

# Below is generated by plot.py at 2019-11-25 06:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 54.059 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 58.035 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 44.363 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 148.286 ms
Loss rate: 1.04%
```

Run 3: Report of QUIC Cubic — Data Link

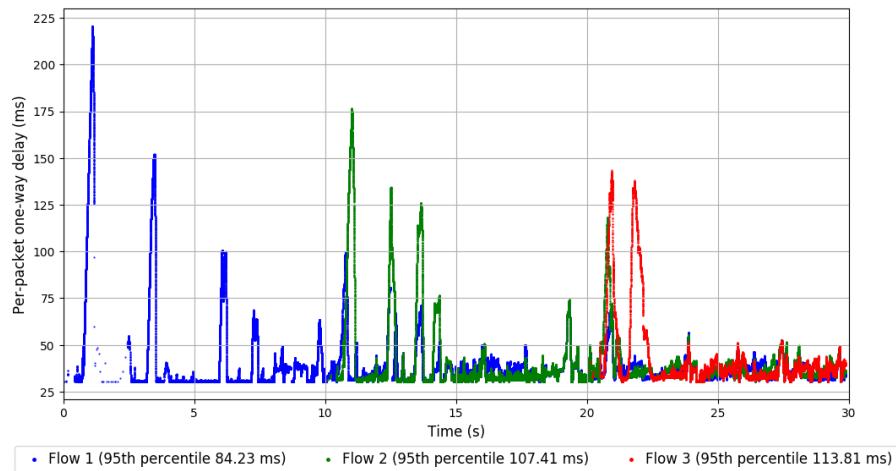
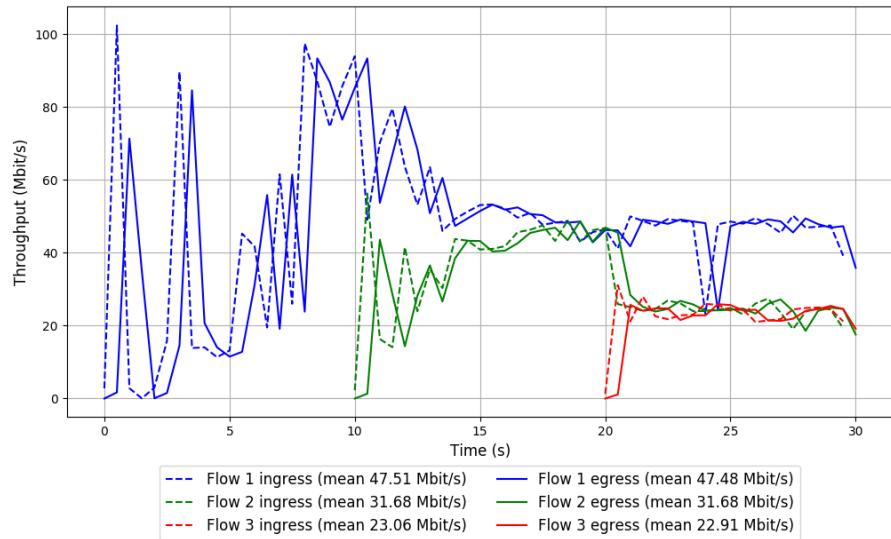


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-11-25 01:23:29
End at: 2019-11-25 01:23:59
Local clock offset: 3.499 ms
Remote clock offset: 6.128 ms

# Below is generated by plot.py at 2019-11-25 06:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 95.850 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 84.226 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 107.408 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 113.811 ms
Loss rate: 1.34%
```

Run 4: Report of QUIC Cubic — Data Link

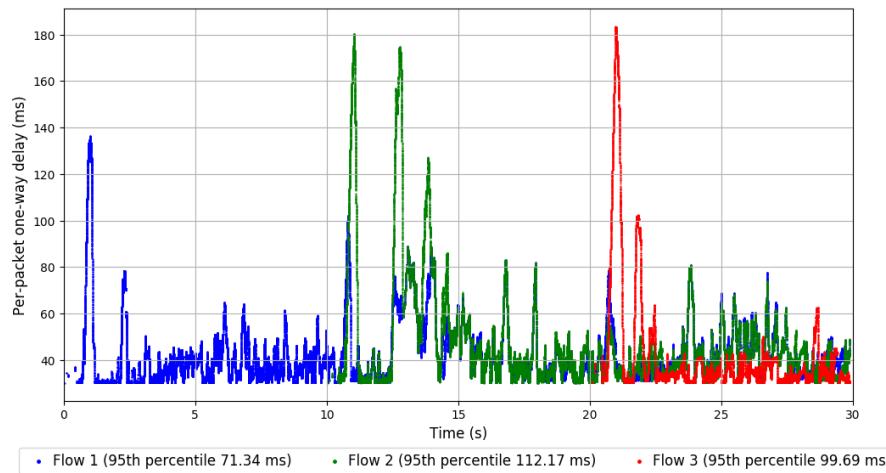
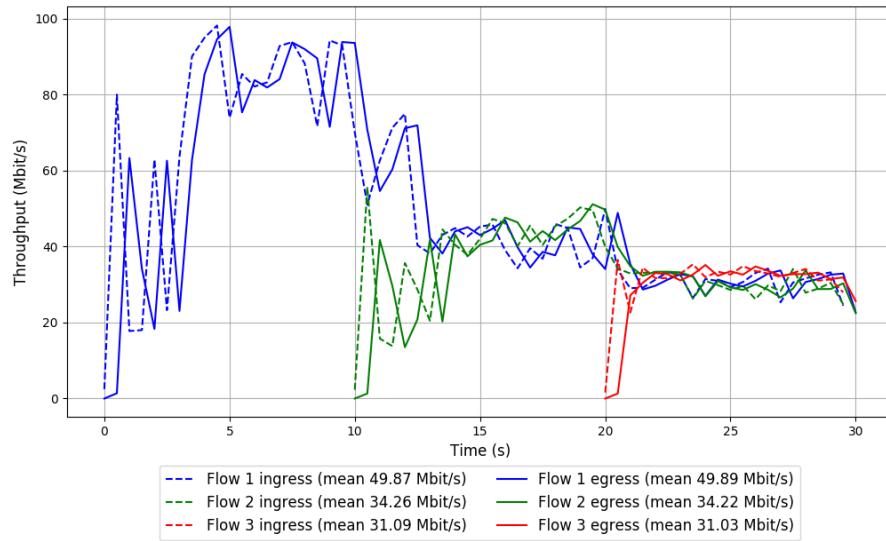


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-11-25 05:07:07
End at: 2019-11-25 05:07:37
Local clock offset: 4.073 ms
Remote clock offset: 3.849 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 78.844 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 71.345 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 112.169 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 99.685 ms
Loss rate: 0.86%
```

Run 5: Report of QUIC Cubic — Data Link

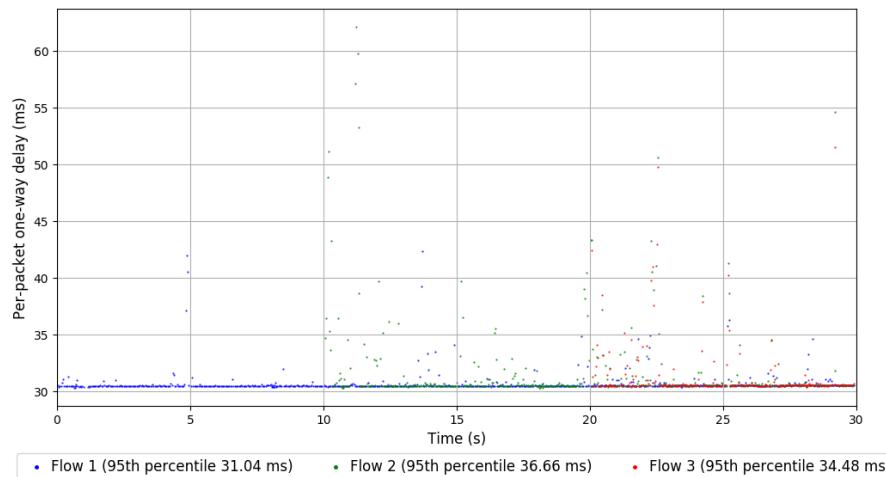
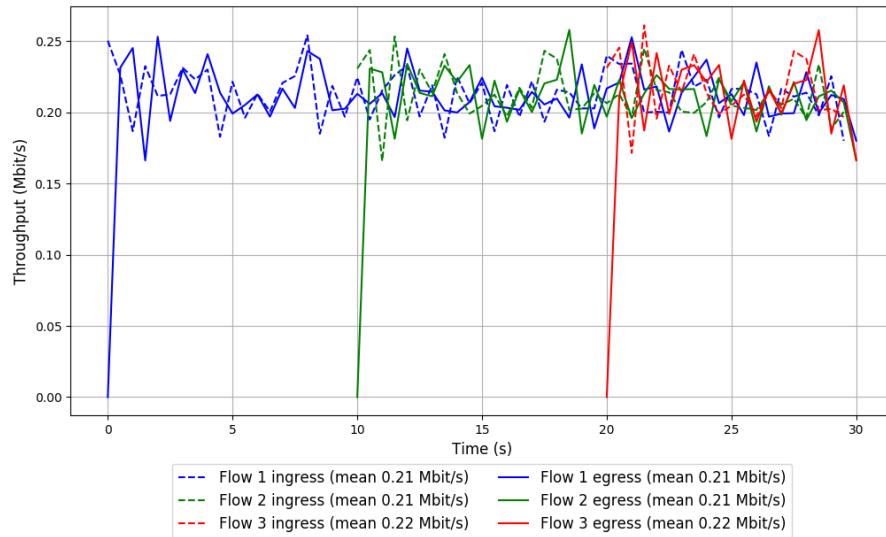


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-11-24 16:06:10
End at: 2019-11-24 16:06:40
Local clock offset: 2.986 ms
Remote clock offset: 4.046 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.466 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.037 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.663 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.482 ms
Loss rate: 0.71%
```

Run 1: Report of SCReAM — Data Link

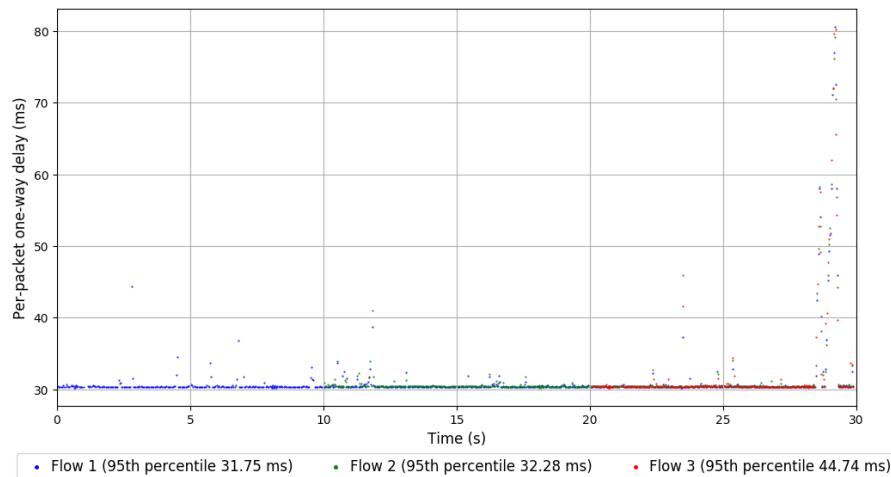
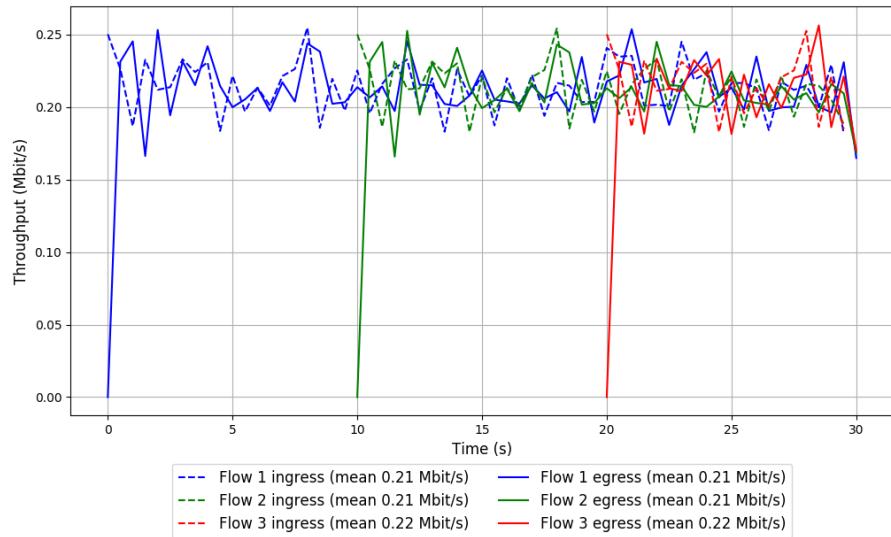


Run 2: Statistics of SCReAM

```
Start at: 2019-11-24 17:27:44
End at: 2019-11-24 17:28:14
Local clock offset: 4.184 ms
Remote clock offset: 4.2 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.505 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.755 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.284 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 44.744 ms
Loss rate: 0.72%
```

Run 2: Report of SCReAM — Data Link

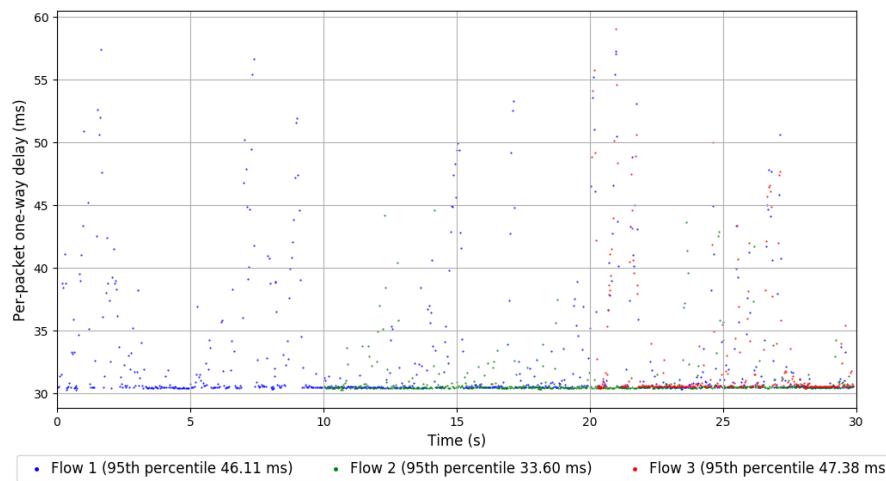
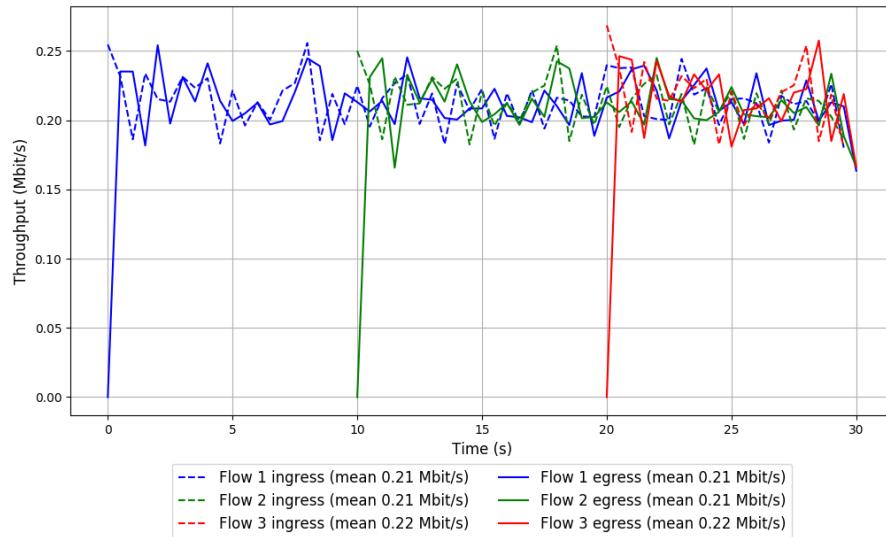


Run 3: Statistics of SCReAM

```
Start at: 2019-11-24 23:15:16
End at: 2019-11-24 23:15:46
Local clock offset: 3.646 ms
Remote clock offset: 10.82 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 43.822 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 46.114 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.603 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.385 ms
Loss rate: 0.70%
```

Run 3: Report of SCReAM — Data Link

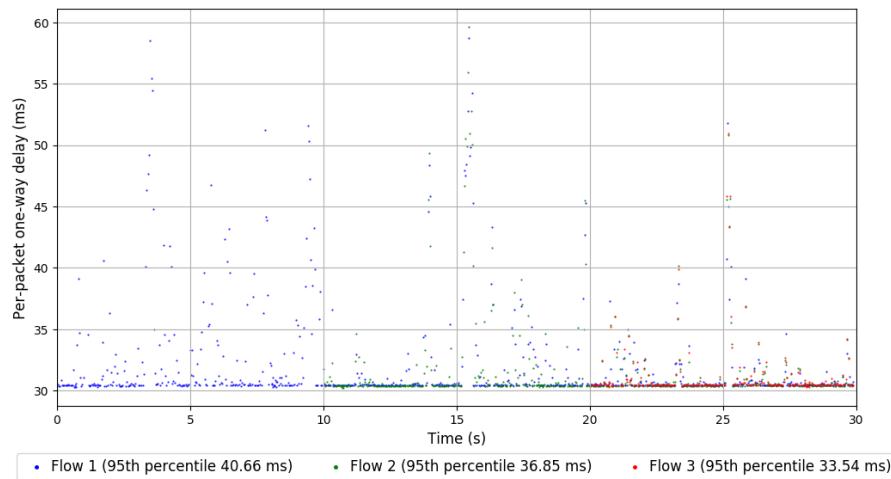
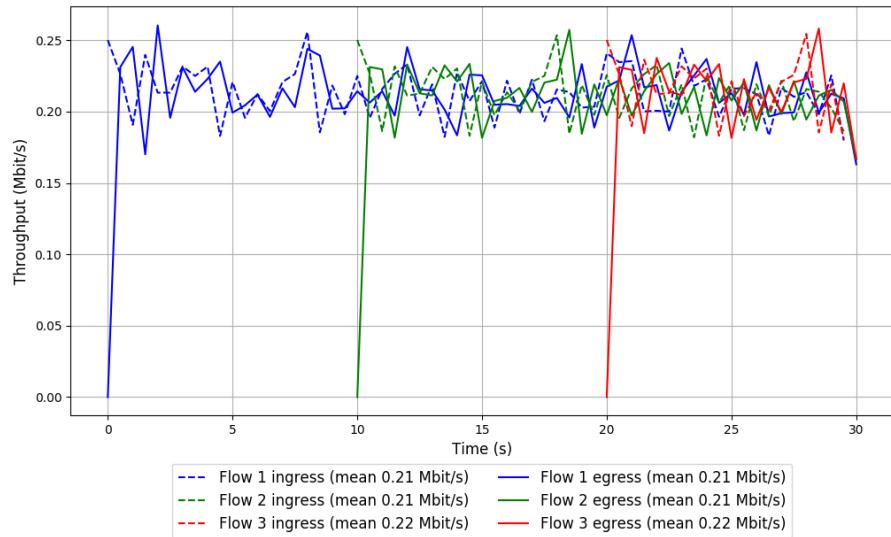


Run 4: Statistics of SCReAM

```
Start at: 2019-11-25 01:22:12
End at: 2019-11-25 01:22:42
Local clock offset: 3.444 ms
Remote clock offset: 6.182 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.038 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.664 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.847 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.536 ms
Loss rate: 0.71%
```

Run 4: Report of SCReAM — Data Link

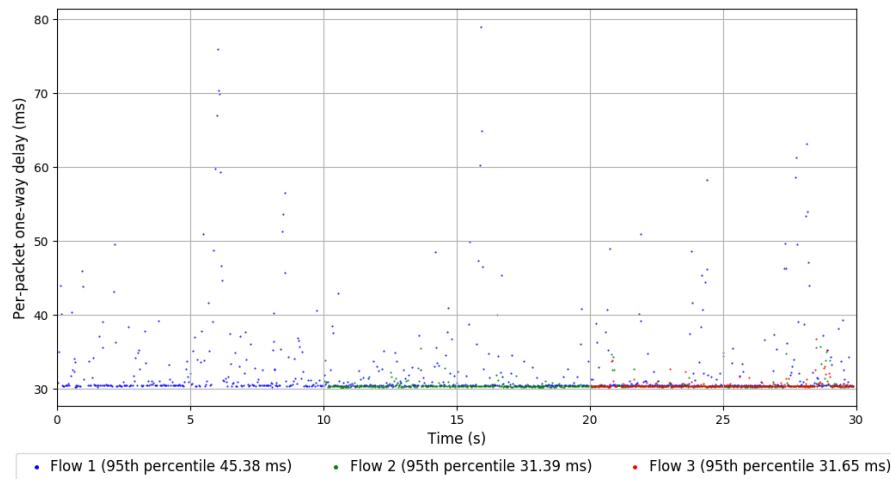
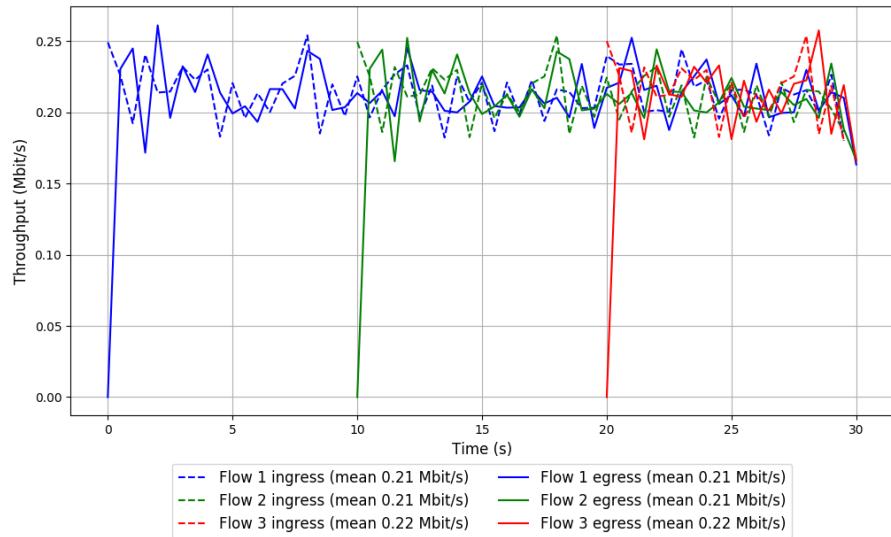


Run 5: Statistics of SCReAM

```
Start at: 2019-11-25 05:05:56
End at: 2019-11-25 05:06:26
Local clock offset: 4.04 ms
Remote clock offset: 3.805 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 37.633 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 45.377 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.393 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.647 ms
Loss rate: 0.71%
```

Run 5: Report of SCReAM — Data Link

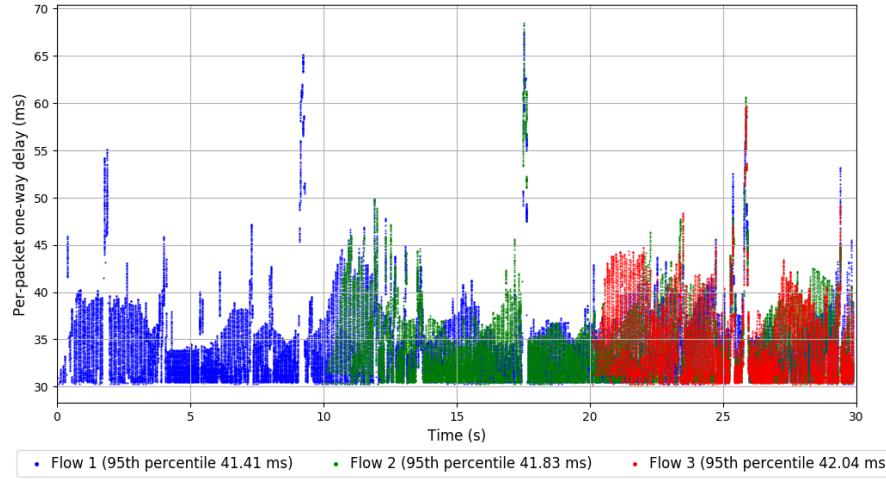
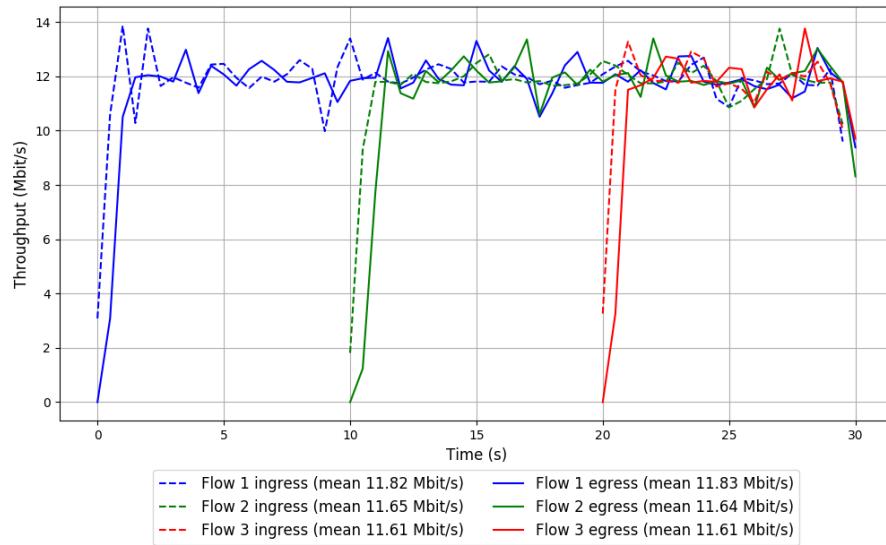


Run 1: Statistics of Sprout

```
Start at: 2019-11-24 16:52:34
End at: 2019-11-24 16:53:04
Local clock offset: 3.464 ms
Remote clock offset: 4.087 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 41.717 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 41.415 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 41.833 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 42.037 ms
Loss rate: 0.53%
```

Run 1: Report of Sprout — Data Link

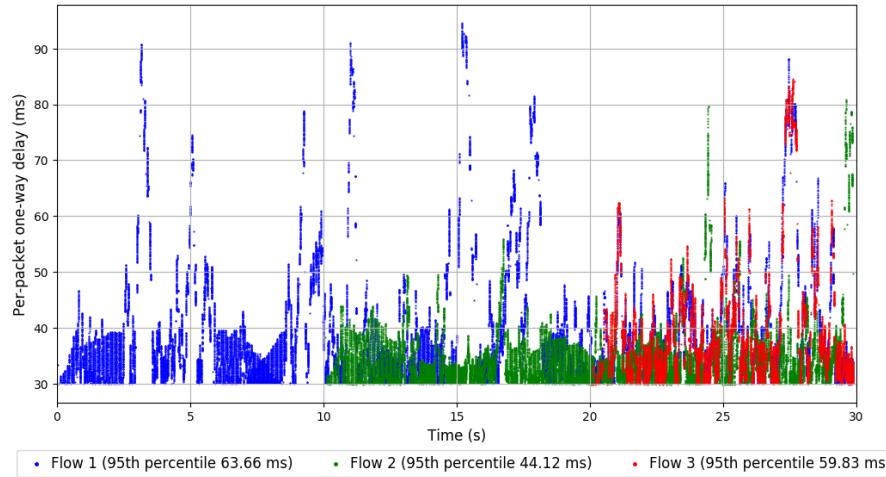
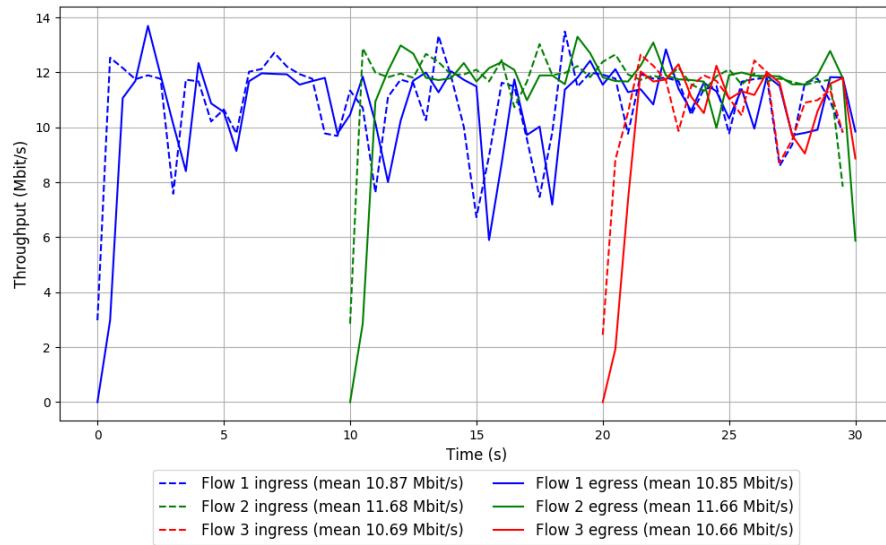


Run 2: Statistics of Sprout

```
Start at: 2019-11-24 19:13:27
End at: 2019-11-24 19:13:57
Local clock offset: 3.17 ms
Remote clock offset: 3.15 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 57.831 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 63.661 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 44.122 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 10.66 Mbit/s
95th percentile per-packet one-way delay: 59.834 ms
Loss rate: 0.47%
```

Run 2: Report of Sprout — Data Link

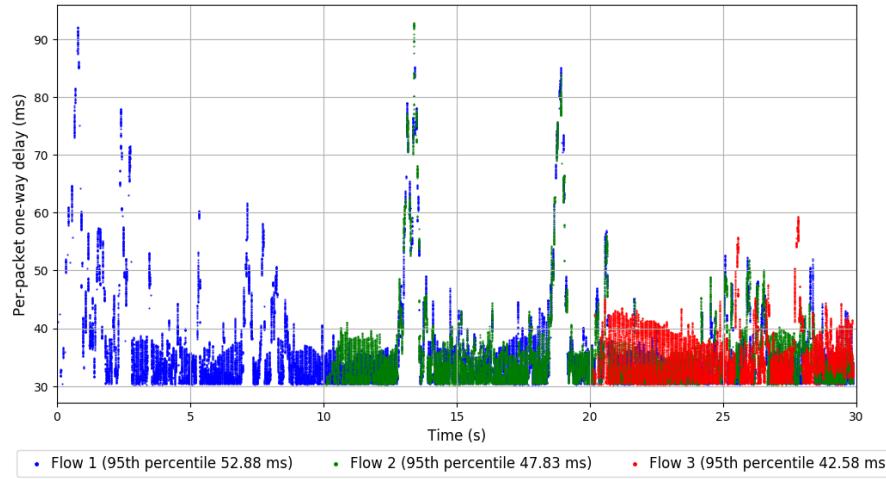
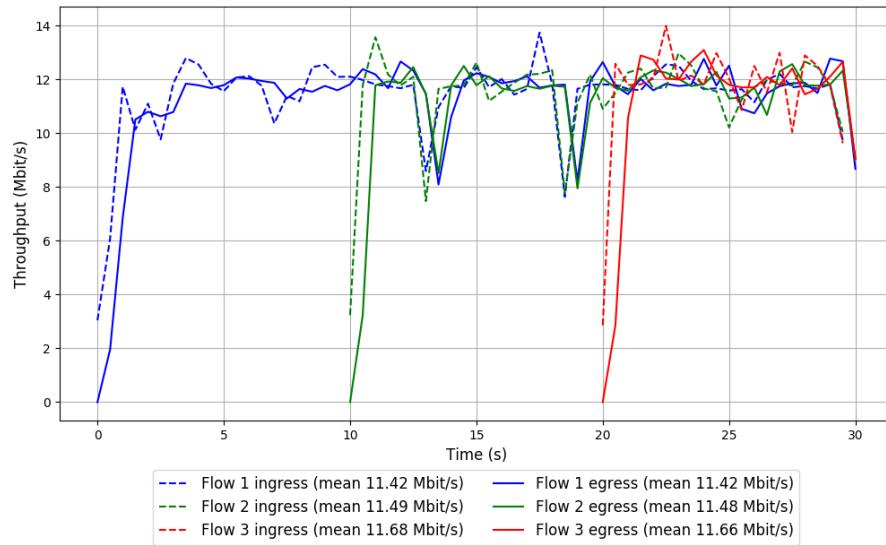


Run 3: Statistics of Sprout

```
Start at: 2019-11-25 00:30:04
End at: 2019-11-25 00:30:34
Local clock offset: 2.503 ms
Remote clock offset: 4.863 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 49.538 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 52.876 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 47.831 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 42.582 ms
Loss rate: 0.58%
```

Run 3: Report of Sprout — Data Link

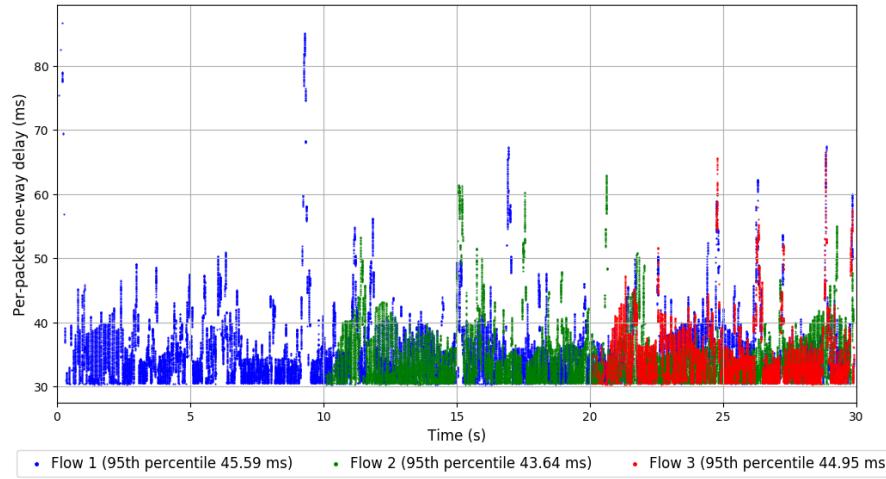
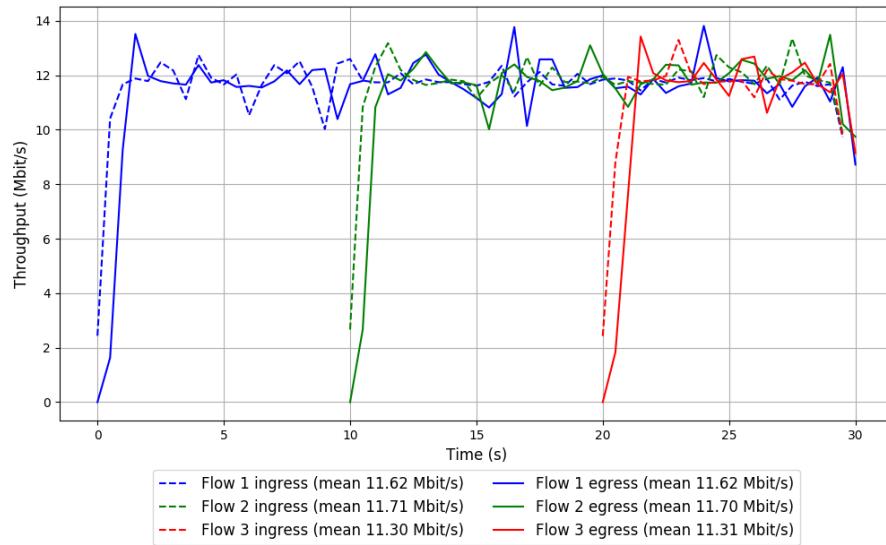


Run 4: Statistics of Sprout

```
Start at: 2019-11-25 03:35:10
End at: 2019-11-25 03:35:40
Local clock offset: 3.802 ms
Remote clock offset: 4.942 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 44.852 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 45.591 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 43.637 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 44.954 ms
Loss rate: 0.55%
```

Run 4: Report of Sprout — Data Link

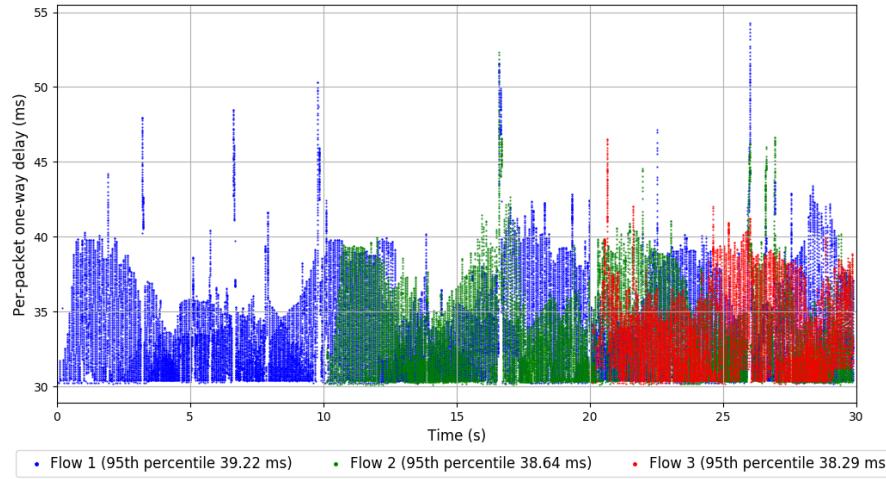
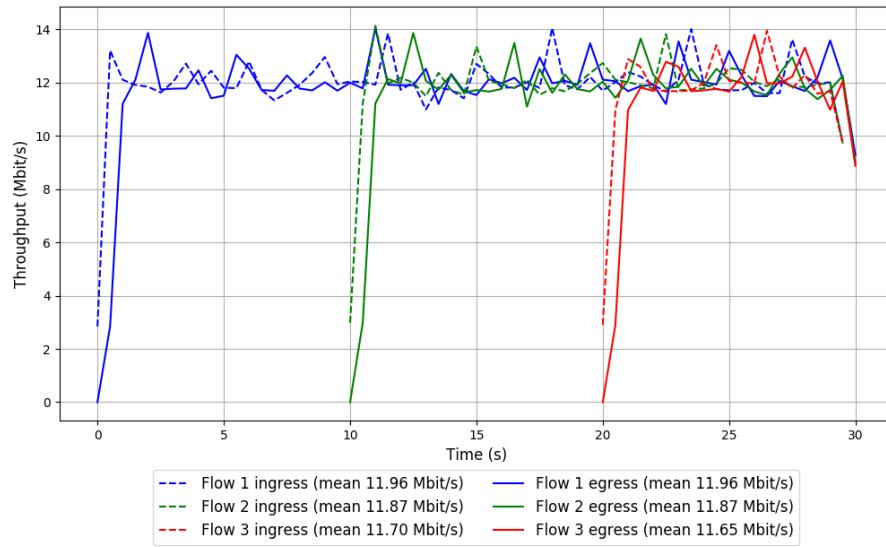


Run 5: Statistics of Sprout

```
Start at: 2019-11-25 05:52:25
End at: 2019-11-25 05:52:55
Local clock offset: 3.134 ms
Remote clock offset: 4.073 ms

# Below is generated by plot.py at 2019-11-25 06:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.68 Mbit/s
95th percentile per-packet one-way delay: 38.862 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 39.222 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 38.642 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 38.287 ms
Loss rate: 0.77%
```

Run 5: Report of Sprout — Data Link

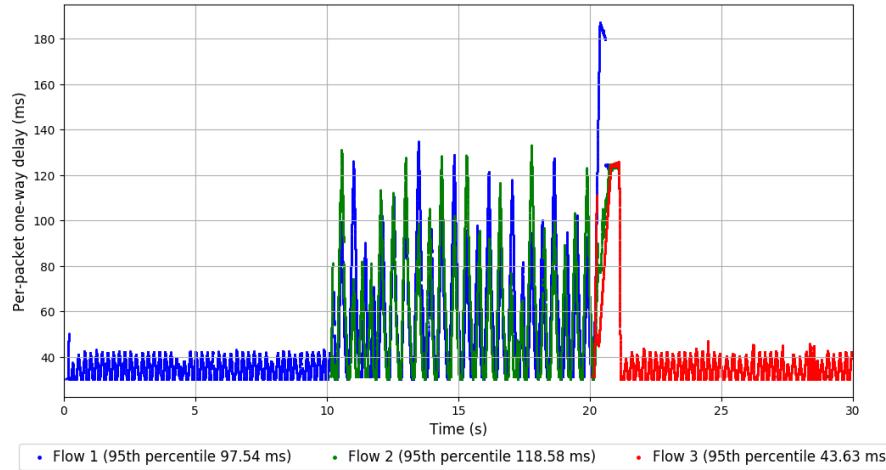
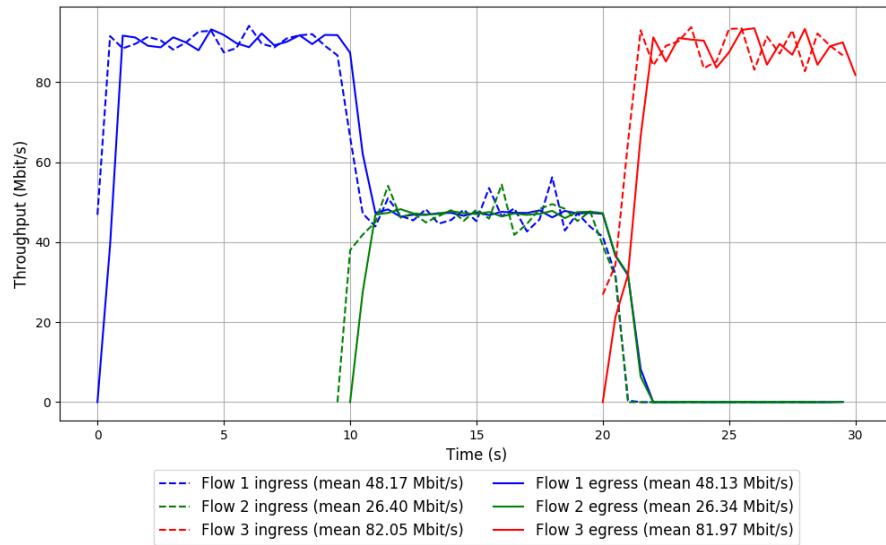


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-11-24 16:14:15
End at: 2019-11-24 16:14:45
Local clock offset: 3.164 ms
Remote clock offset: 4.045 ms

# Below is generated by plot.py at 2019-11-25 06:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 100.941 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 97.537 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 118.578 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 81.97 Mbit/s
95th percentile per-packet one-way delay: 43.633 ms
Loss rate: 0.74%
```

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

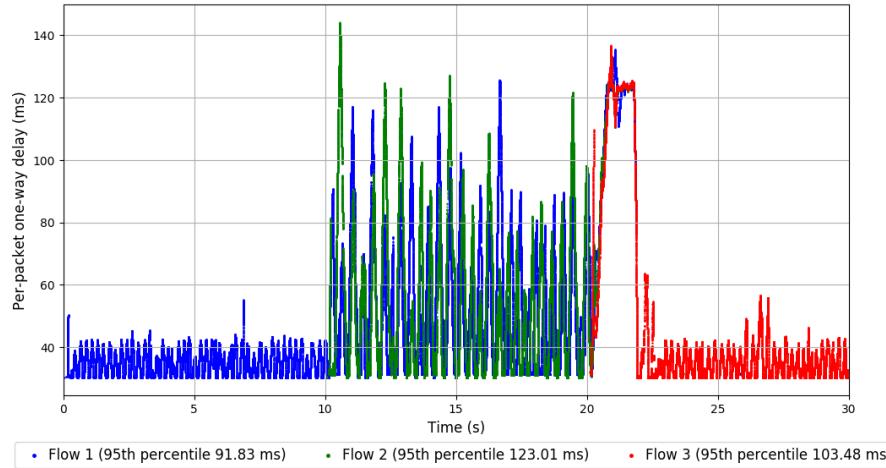
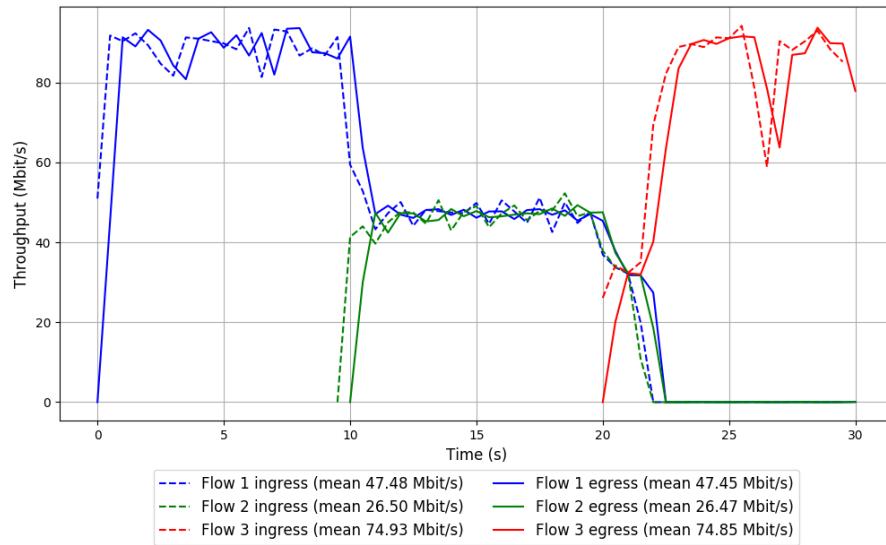


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-11-24 17:36:51
End at: 2019-11-24 17:37:21
Local clock offset: 4.32 ms
Remote clock offset: 4.232 ms

# Below is generated by plot.py at 2019-11-25 06:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 108.905 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 91.832 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 123.007 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 74.85 Mbit/s
95th percentile per-packet one-way delay: 103.476 ms
Loss rate: 0.88%
```

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

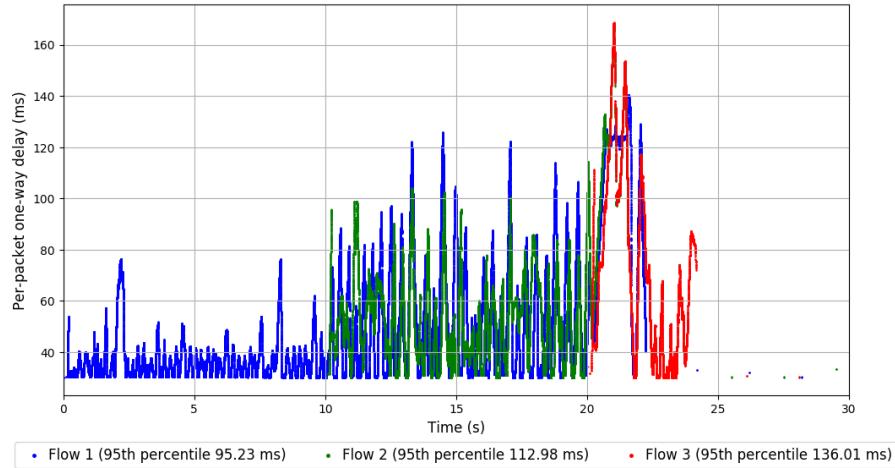
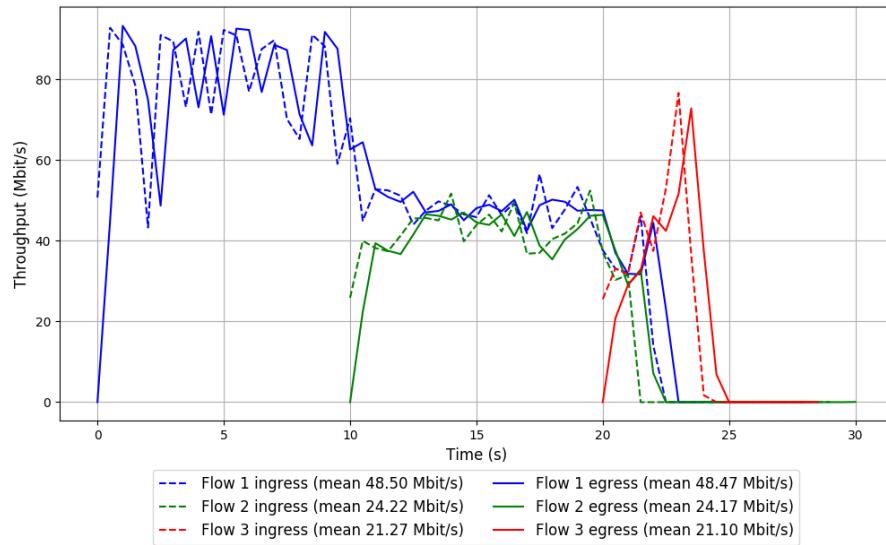


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-11-24 23:33:32
End at: 2019-11-24 23:34:02
Local clock offset: 3.85 ms
Remote clock offset: 7.844 ms

# Below is generated by plot.py at 2019-11-25 06:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 106.373 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 95.235 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 112.979 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 136.008 ms
Loss rate: 0.90%
```

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

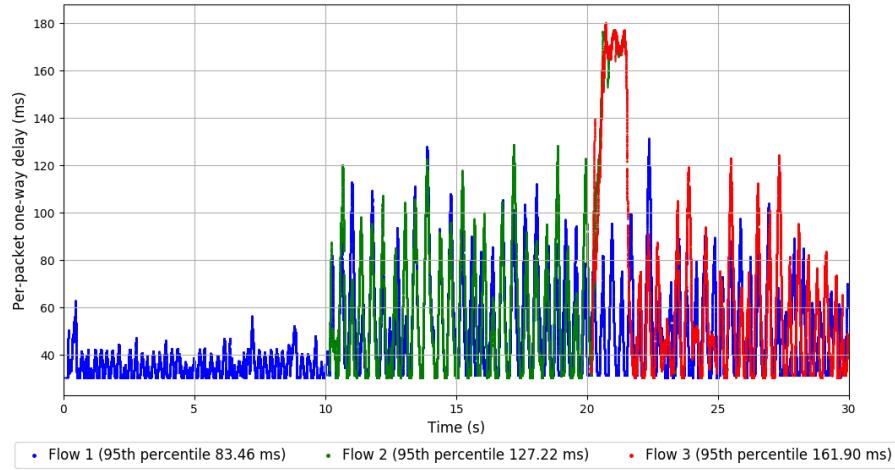
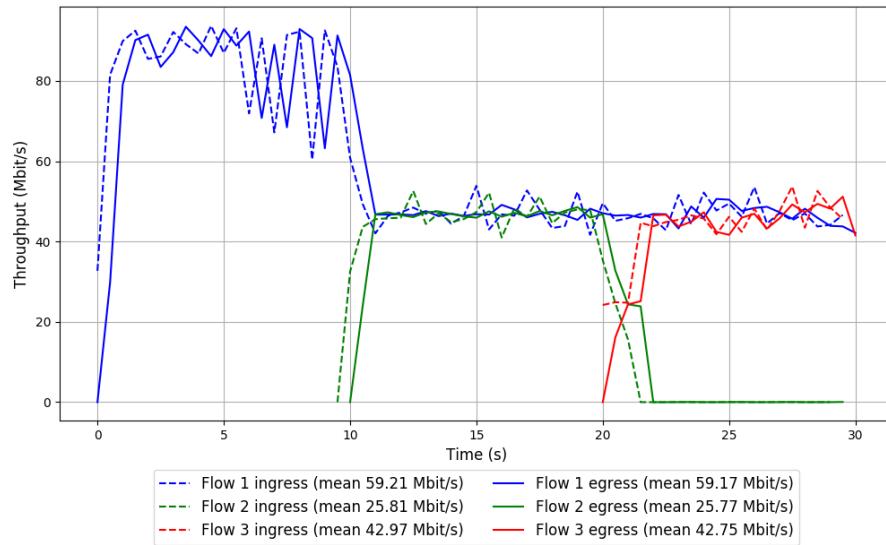


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-11-25 01:34:03
End at: 2019-11-25 01:34:33
Local clock offset: 3.591 ms
Remote clock offset: 6.117 ms

# Below is generated by plot.py at 2019-11-25 06:30:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 98.802 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 83.461 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 127.215 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 161.903 ms
Loss rate: 1.19%
```

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

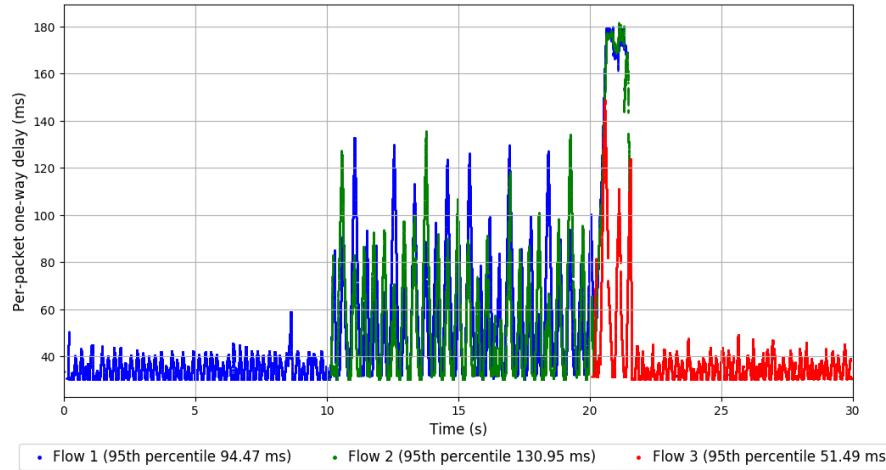
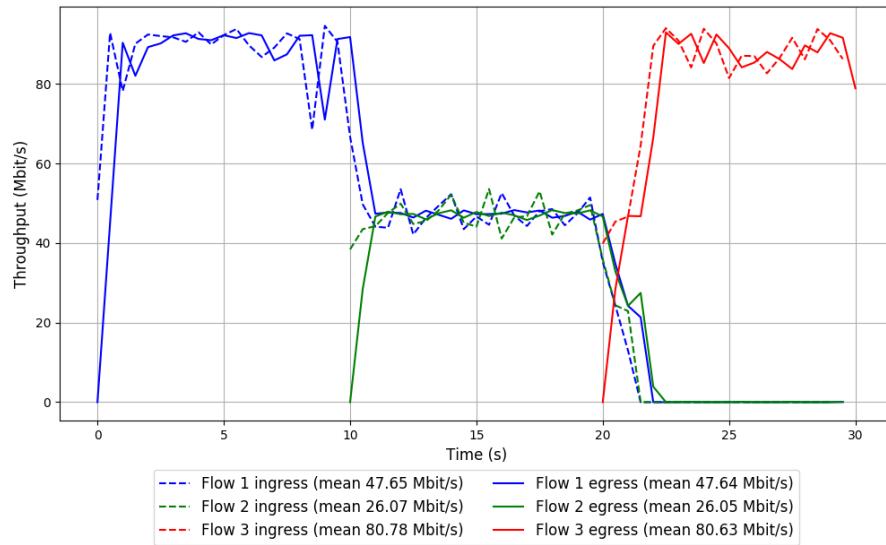


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-11-25 05:14:20
End at: 2019-11-25 05:14:50
Local clock offset: 3.627 ms
Remote clock offset: 3.686 ms

# Below is generated by plot.py at 2019-11-25 06:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 96.352 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 94.468 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 130.946 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 80.63 Mbit/s
95th percentile per-packet one-way delay: 51.495 ms
Loss rate: 0.84%
```

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

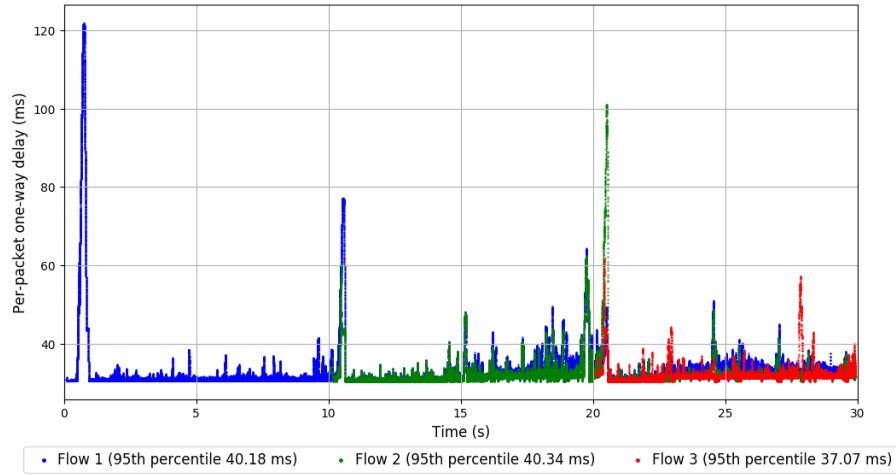
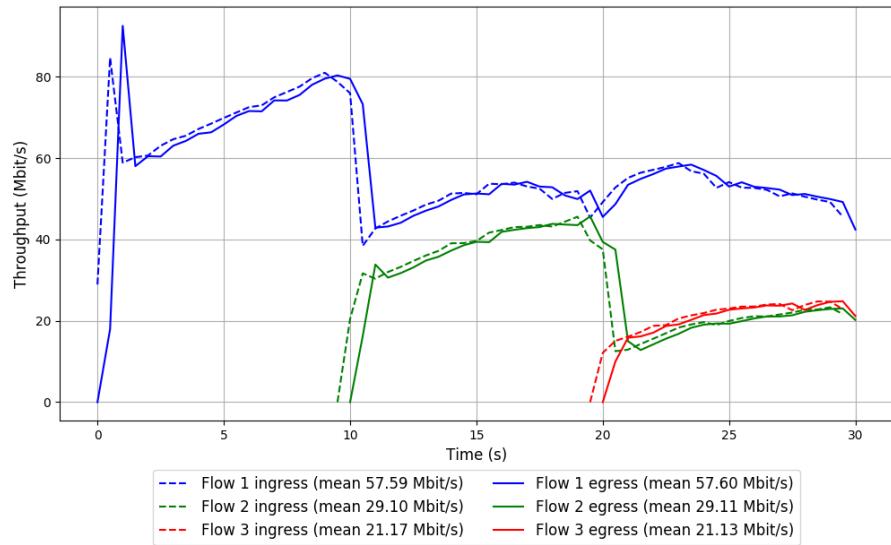


Run 1: Statistics of TCP Vegas

```
Start at: 2019-11-24 16:09:41
End at: 2019-11-24 16:10:11
Local clock offset: 2.971 ms
Remote clock offset: 4.057 ms

# Below is generated by plot.py at 2019-11-25 06:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 39.840 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 40.177 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 40.341 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 21.13 Mbit/s
95th percentile per-packet one-way delay: 37.072 ms
Loss rate: 0.84%
```

Run 1: Report of TCP Vegas — Data Link

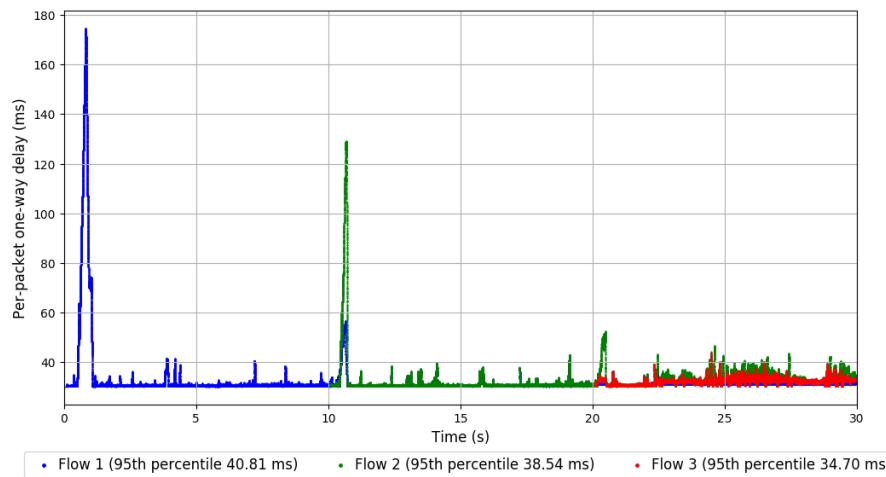
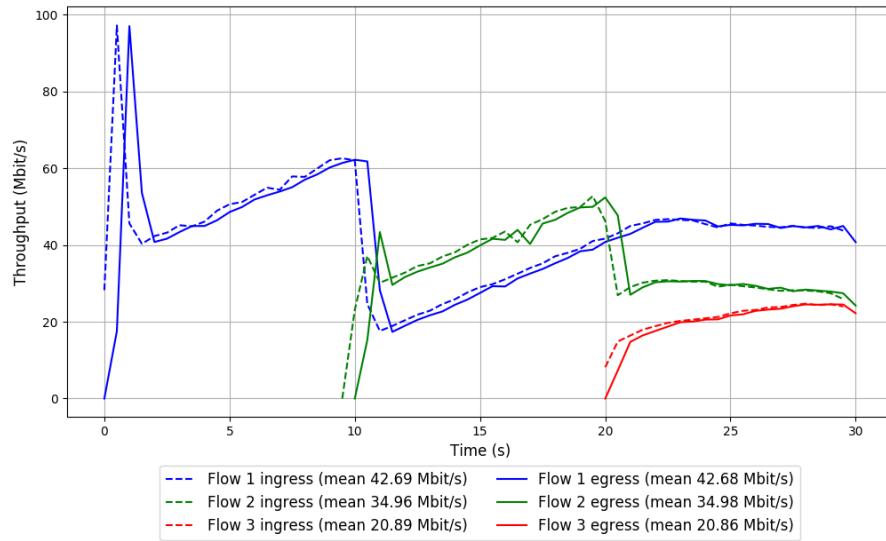


Run 2: Statistics of TCP Vegas

```
Start at: 2019-11-24 17:31:11
End at: 2019-11-24 17:31:41
Local clock offset: 4.258 ms
Remote clock offset: 4.287 ms

# Below is generated by plot.py at 2019-11-25 06:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.88 Mbit/s
95th percentile per-packet one-way delay: 38.310 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 40.808 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 38.538 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 34.697 ms
Loss rate: 0.80%
```

Run 2: Report of TCP Vegas — Data Link

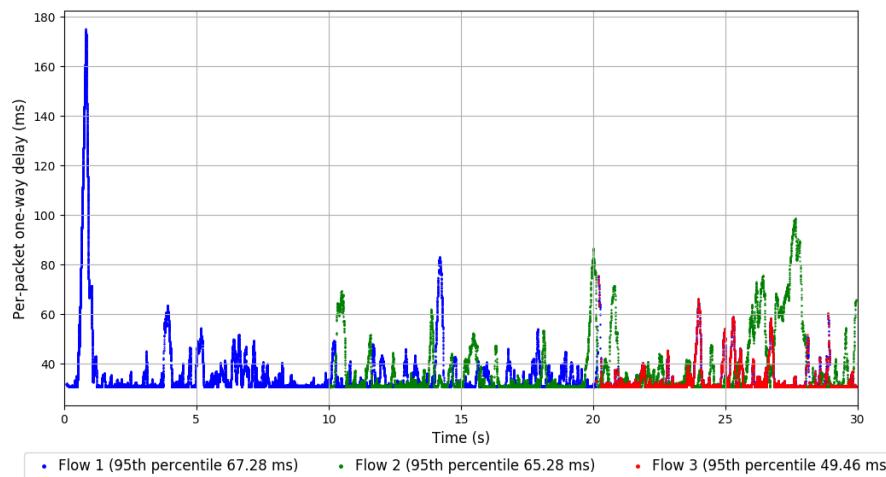
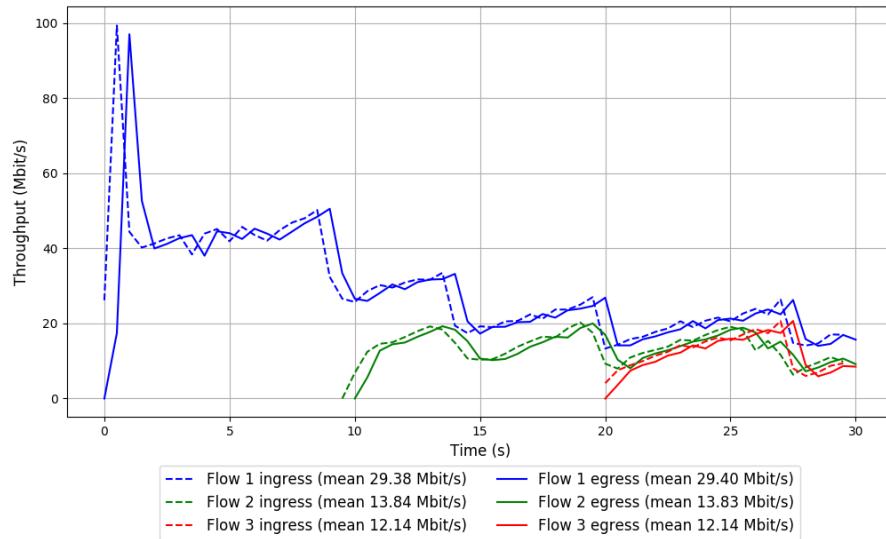


Run 3: Statistics of TCP Vegas

```
Start at: 2019-11-24 23:23:04
End at: 2019-11-24 23:23:34
Local clock offset: 3.801 ms
Remote clock offset: 11.36 ms

# Below is generated by plot.py at 2019-11-25 06:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 63.646 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 67.275 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 13.83 Mbit/s
95th percentile per-packet one-way delay: 65.282 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 49.459 ms
Loss rate: 0.60%
```

Run 3: Report of TCP Vegas — Data Link

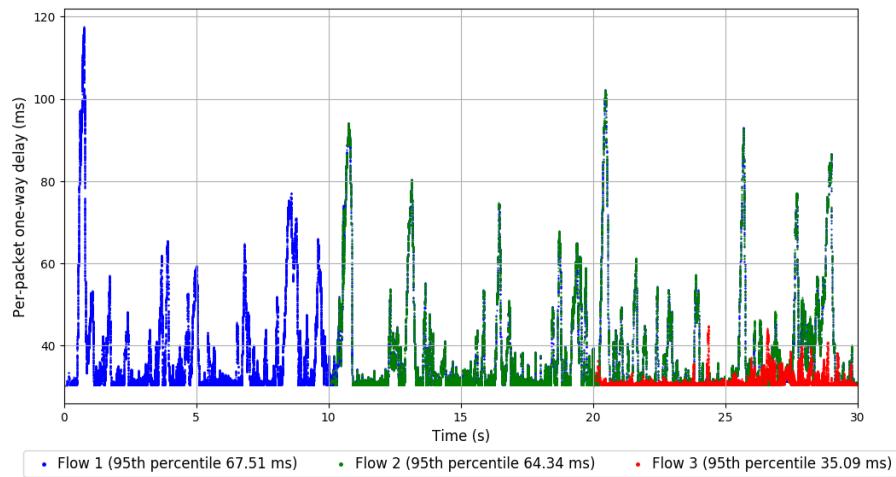
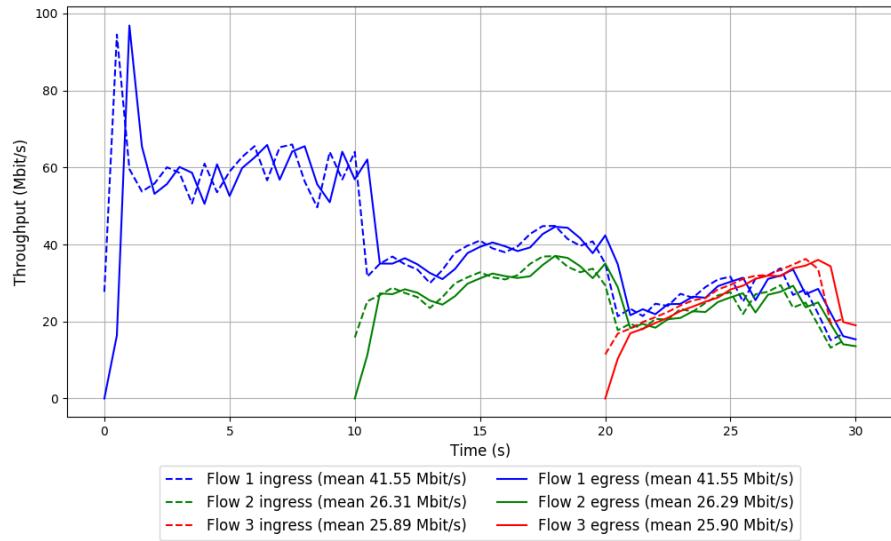


Run 4: Statistics of TCP Vegas

```
Start at: 2019-11-25 01:27:41
End at: 2019-11-25 01:28:11
Local clock offset: 3.516 ms
Remote clock offset: 6.234 ms

# Below is generated by plot.py at 2019-11-25 06:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 63.893 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 41.55 Mbit/s
95th percentile per-packet one-way delay: 67.514 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 64.342 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 35.094 ms
Loss rate: 0.59%
```

Run 4: Report of TCP Vegas — Data Link

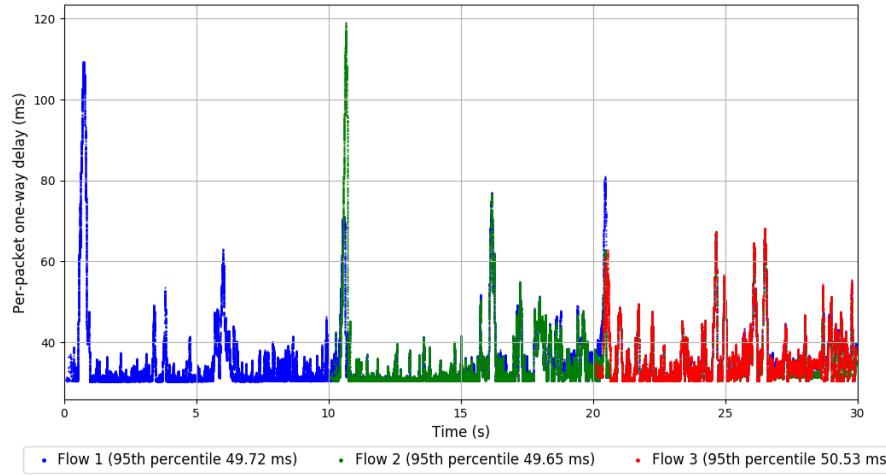
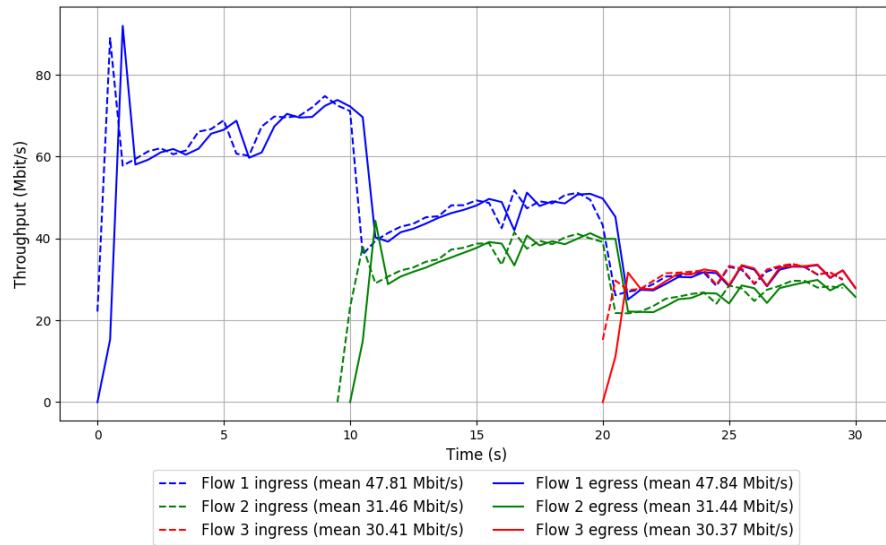


Run 5: Statistics of TCP Vegas

```
Start at: 2019-11-25 05:09:36
End at: 2019-11-25 05:10:06
Local clock offset: 4.031 ms
Remote clock offset: 3.759 ms

# Below is generated by plot.py at 2019-11-25 06:30:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 49.841 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 49.717 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 49.653 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 50.534 ms
Loss rate: 0.76%
```

Run 5: Report of TCP Vegas — Data Link

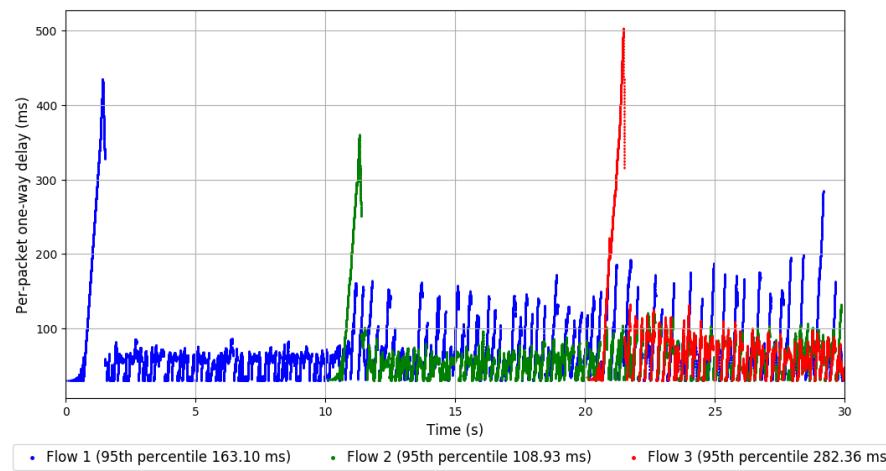
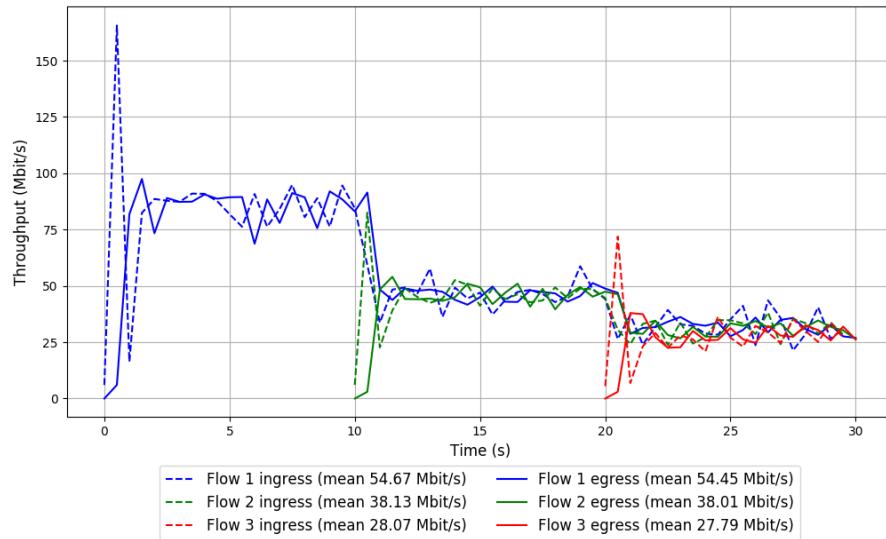


Run 1: Statistics of Verus

```
Start at: 2019-11-24 15:59:51
End at: 2019-11-24 16:00:21
Local clock offset: 3.016 ms
Remote clock offset: 3.824 ms

# Below is generated by plot.py at 2019-11-25 06:30:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 163.781 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 163.104 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 108.929 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 27.79 Mbit/s
95th percentile per-packet one-way delay: 282.355 ms
Loss rate: 1.52%
```

Run 1: Report of Verus — Data Link

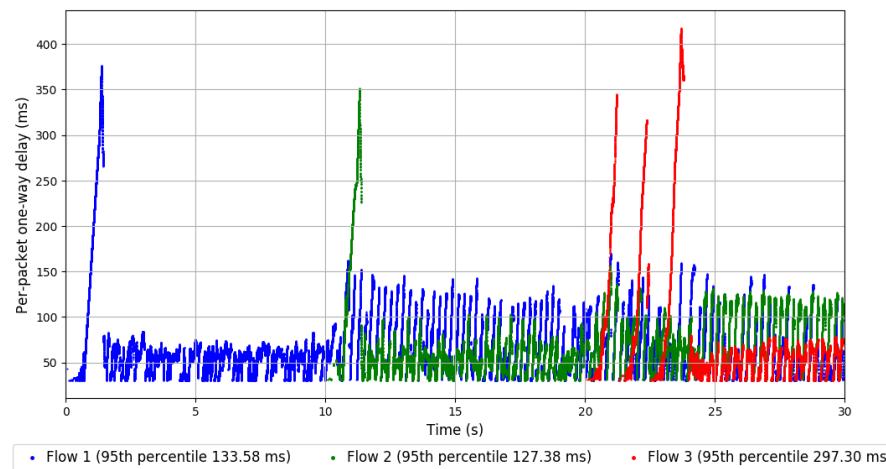
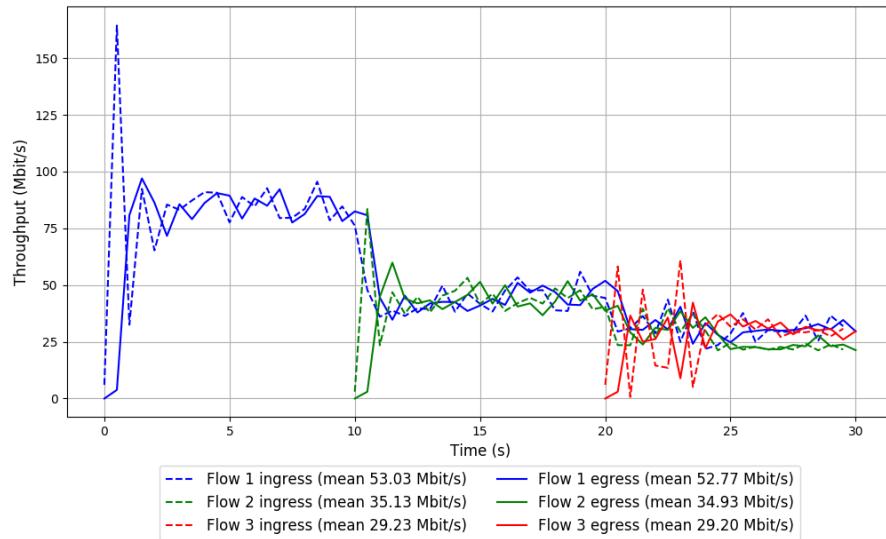


Run 2: Statistics of Verus

```
Start at: 2019-11-24 17:22:27
End at: 2019-11-24 17:22:57
Local clock offset: 4.08 ms
Remote clock offset: 4.185 ms

# Below is generated by plot.py at 2019-11-25 06:31:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 151.600 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 52.77 Mbit/s
95th percentile per-packet one-way delay: 133.576 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 127.380 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 297.298 ms
Loss rate: 0.86%
```

Run 2: Report of Verus — Data Link

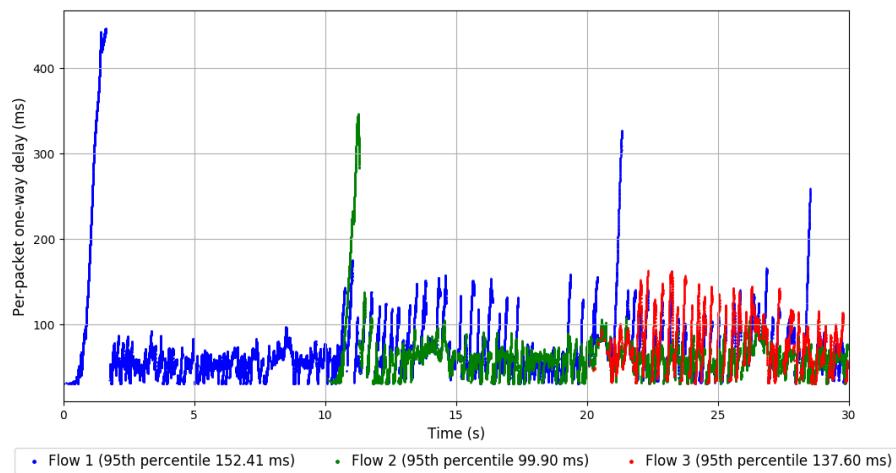
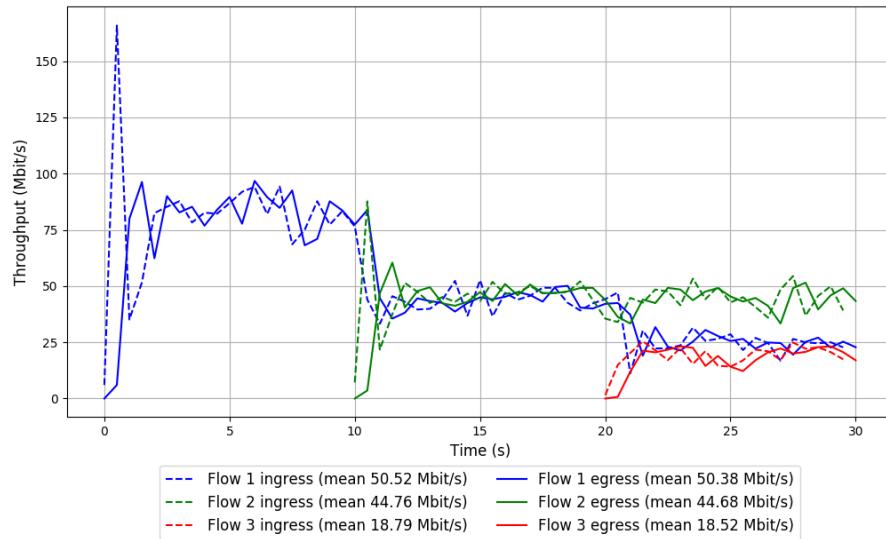


Run 3: Statistics of Verus

```
Start at: 2019-11-24 22:54:57
End at: 2019-11-24 22:55:27
Local clock offset: 3.408 ms
Remote clock offset: 7.422 ms

# Below is generated by plot.py at 2019-11-25 06:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 140.808 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 152.414 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 99.898 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 137.599 ms
Loss rate: 1.92%
```

Run 3: Report of Verus — Data Link

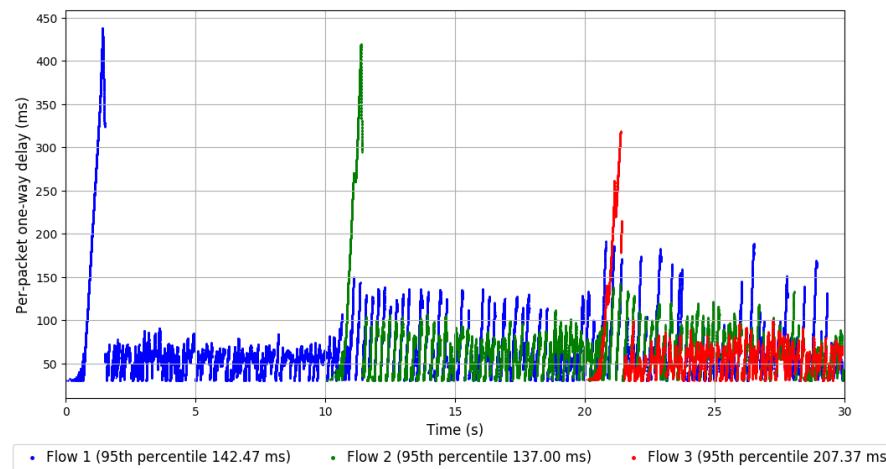
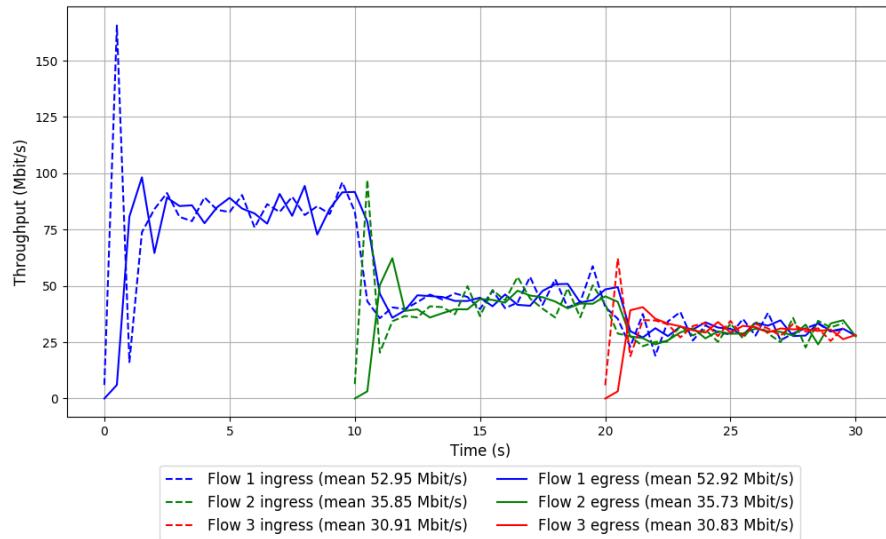


Run 4: Statistics of Verus

```
Start at: 2019-11-25 01:12:39
End at: 2019-11-25 01:13:09
Local clock offset: 3.254 ms
Remote clock offset: 5.795 ms

# Below is generated by plot.py at 2019-11-25 06:31:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 148.471 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 142.465 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 137.001 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 207.367 ms
Loss rate: 1.21%
```

Run 4: Report of Verus — Data Link

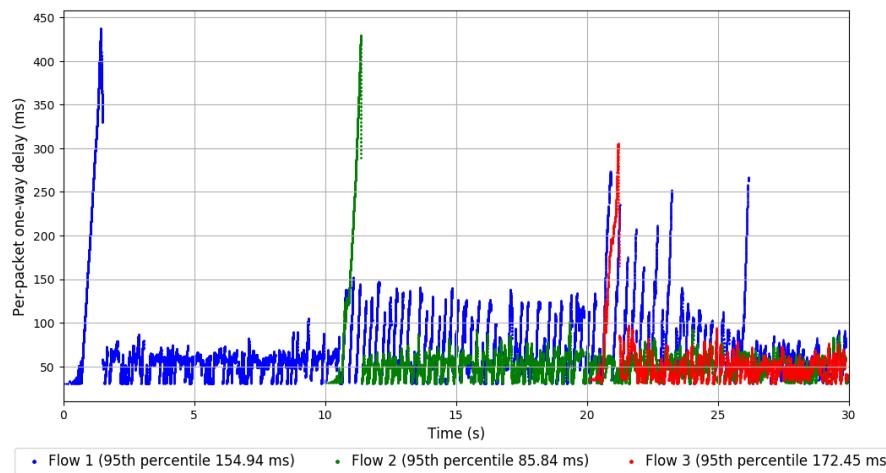
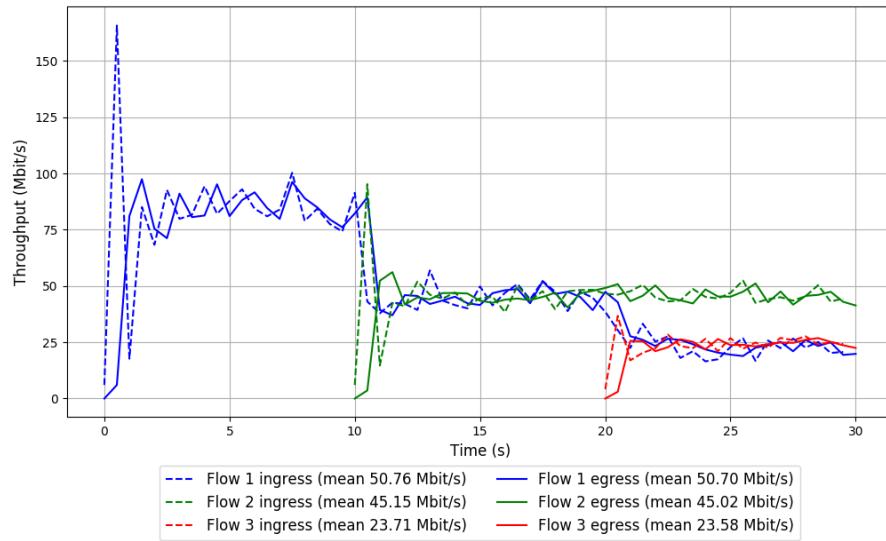


Run 5: Statistics of Verus

```
Start at: 2019-11-25 04:58:46
End at: 2019-11-25 04:59:16
Local clock offset: 4.019 ms
Remote clock offset: 3.679 ms

# Below is generated by plot.py at 2019-11-25 06:31:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 136.331 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 50.70 Mbit/s
95th percentile per-packet one-way delay: 154.937 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 85.842 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 172.449 ms
Loss rate: 1.18%
```

Run 5: Report of Verus — Data Link

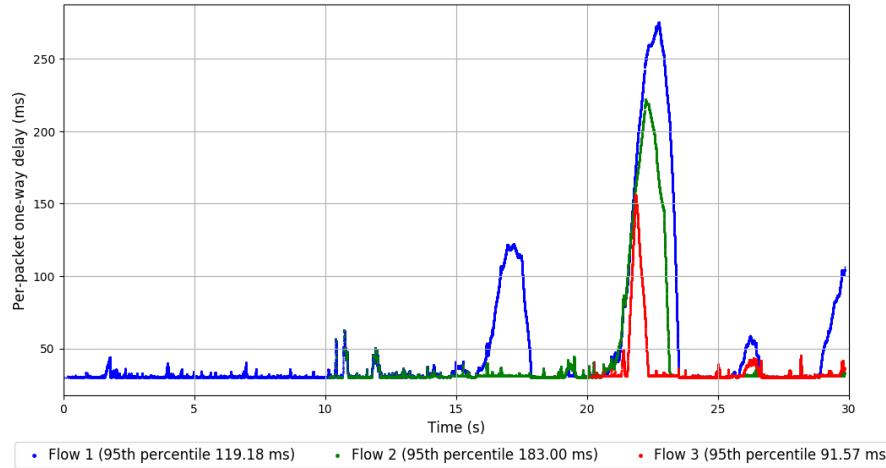
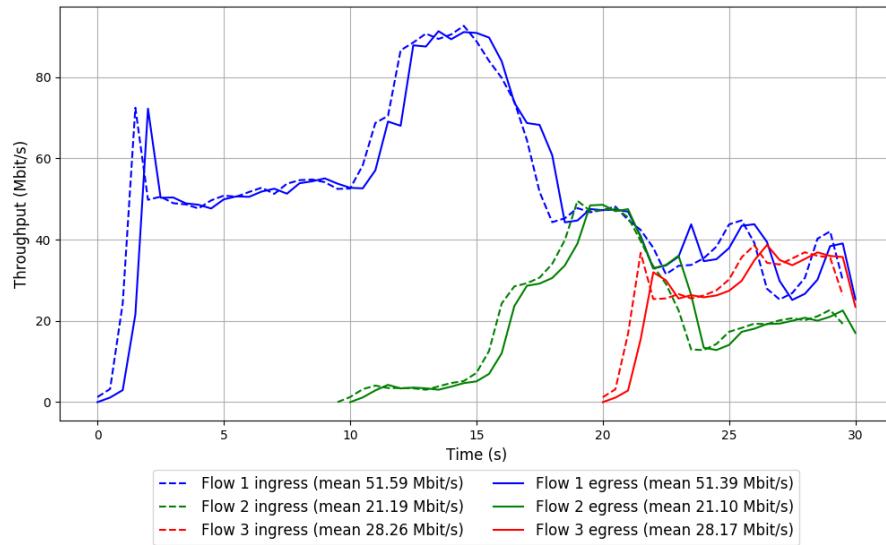


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-11-24 16:34:48
End at: 2019-11-24 16:35:18
Local clock offset: 3.48 ms
Remote clock offset: 4.503 ms

# Below is generated by plot.py at 2019-11-25 06:31:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.67 Mbit/s
95th percentile per-packet one-way delay: 123.467 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 119.183 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 182.998 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 91.566 ms
Loss rate: 0.98%
```

Run 1: Report of PCC-Vivace — Data Link

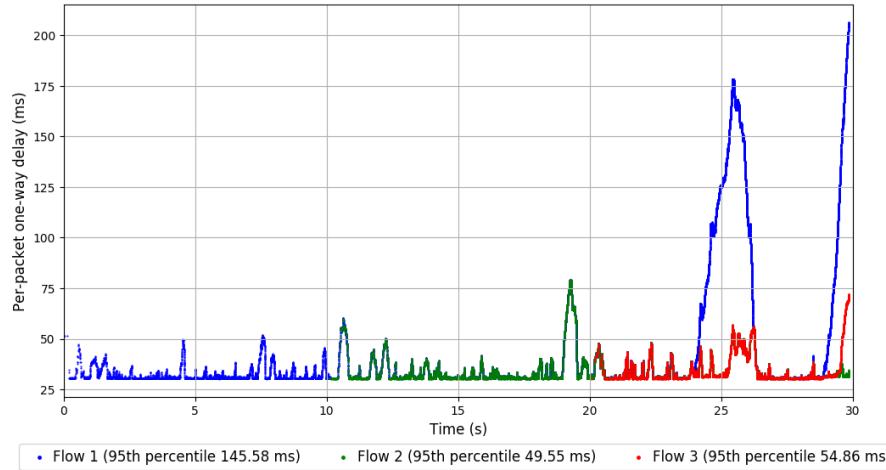
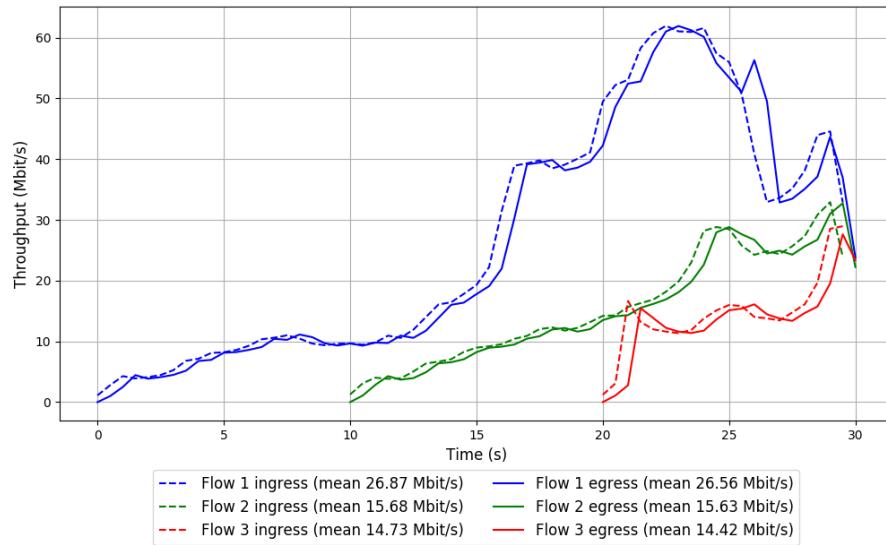


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-11-24 18:18:16
End at: 2019-11-24 18:18:46
Local clock offset: 4.429 ms
Remote clock offset: 4.048 ms

# Below is generated by plot.py at 2019-11-25 06:31:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 124.677 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 145.582 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 49.549 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 54.861 ms
Loss rate: 2.75%
```

Run 2: Report of PCC-Vivace — Data Link

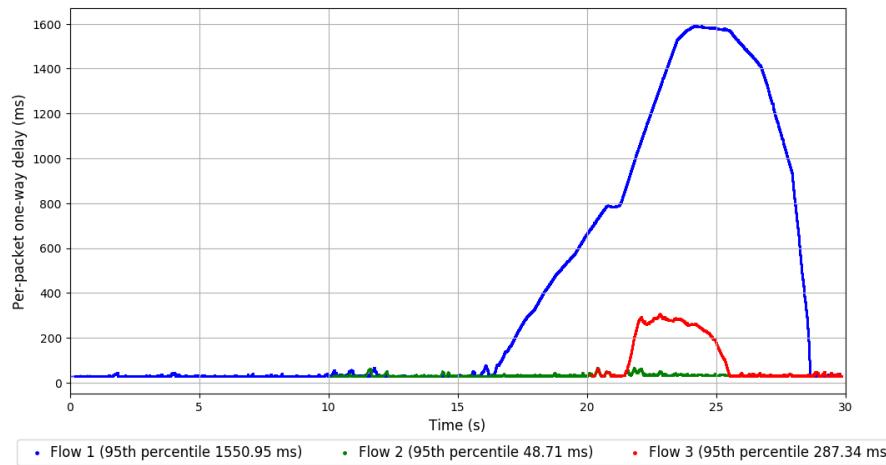
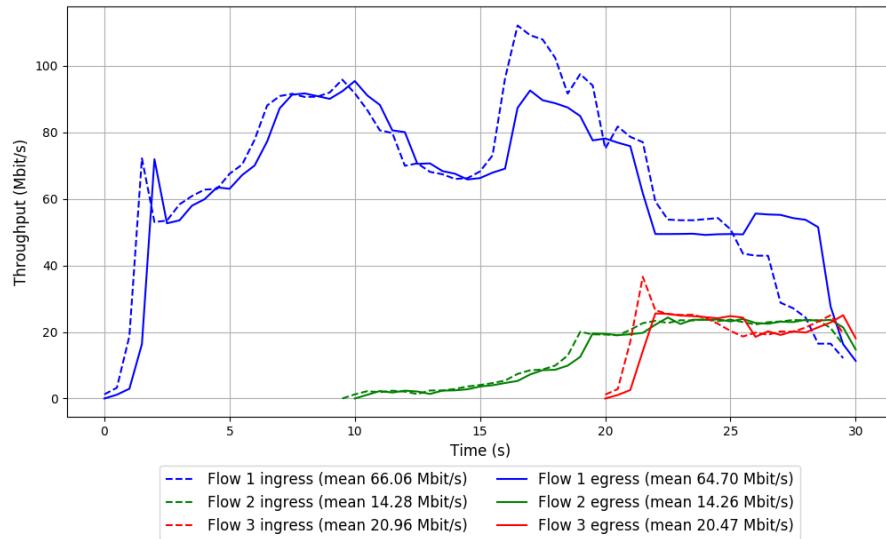


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-11-25 00:14:06
End at: 2019-11-25 00:14:36
Local clock offset: 3.225 ms
Remote clock offset: 5.345 ms

# Below is generated by plot.py at 2019-11-25 06:31:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.91 Mbit/s
95th percentile per-packet one-way delay: 1517.464 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 1550.948 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 14.26 Mbit/s
95th percentile per-packet one-way delay: 48.706 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 287.342 ms
Loss rate: 3.00%
```

Run 3: Report of PCC-Vivace — Data Link

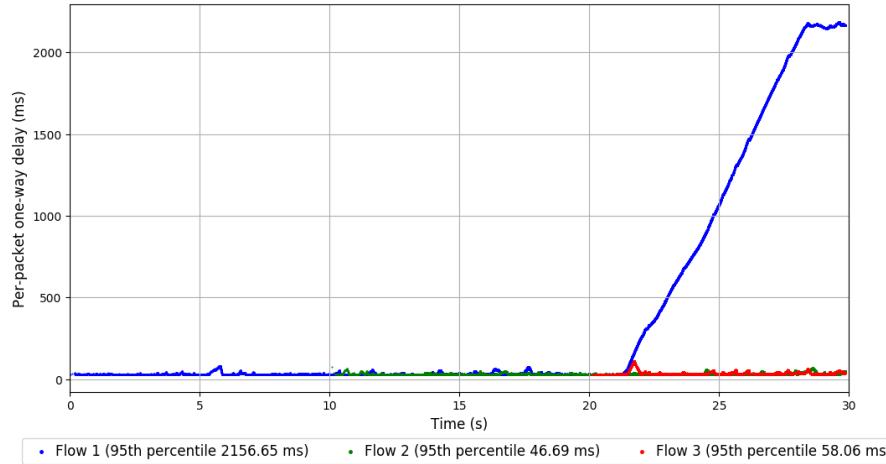
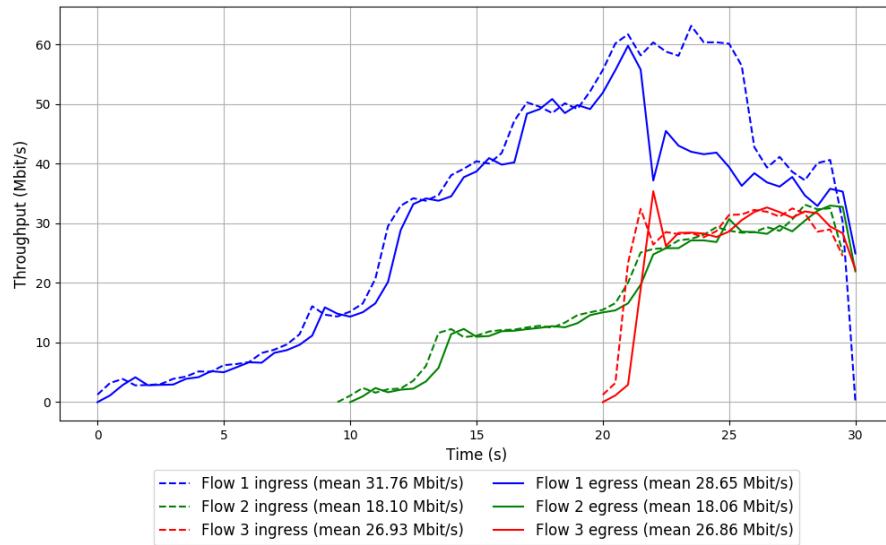


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-11-25 03:02:07
End at: 2019-11-25 03:02:37
Local clock offset: 3.577 ms
Remote clock offset: 3.695 ms

# Below is generated by plot.py at 2019-11-25 06:31:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 1978.983 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 2156.652 ms
Loss rate: 11.21%
-- Flow 2:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 46.689 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 58.061 ms
Loss rate: 0.91%
```

Run 4: Report of PCC-Vivace — Data Link

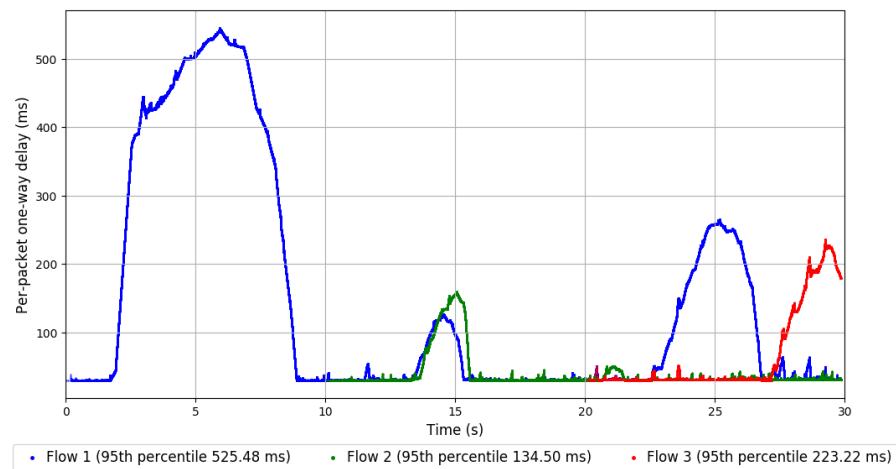
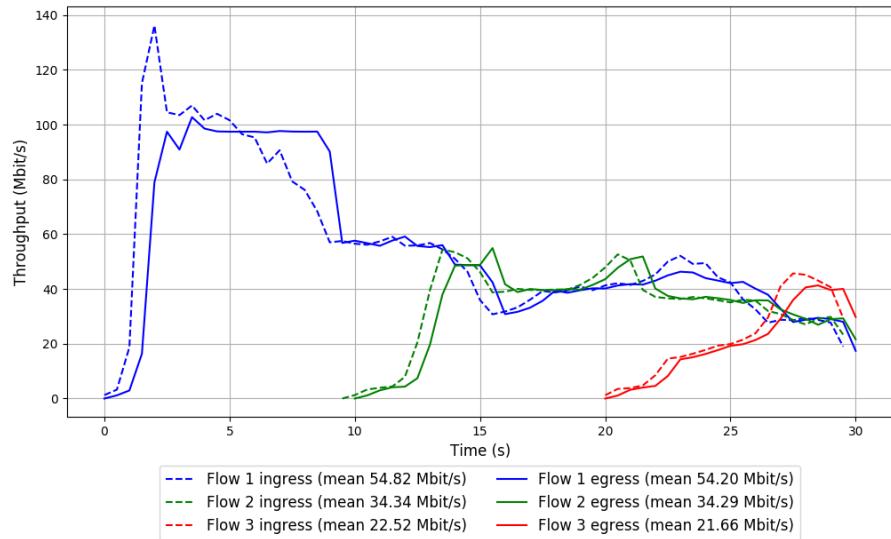


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-11-25 05:39:47
End at: 2019-11-25 05:40:17
Local clock offset: 2.979 ms
Remote clock offset: 4.129 ms

# Below is generated by plot.py at 2019-11-25 06:31:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 519.115 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 525.475 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 134.502 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 223.219 ms
Loss rate: 4.44%
```

Run 5: Report of PCC-Vivace — Data Link

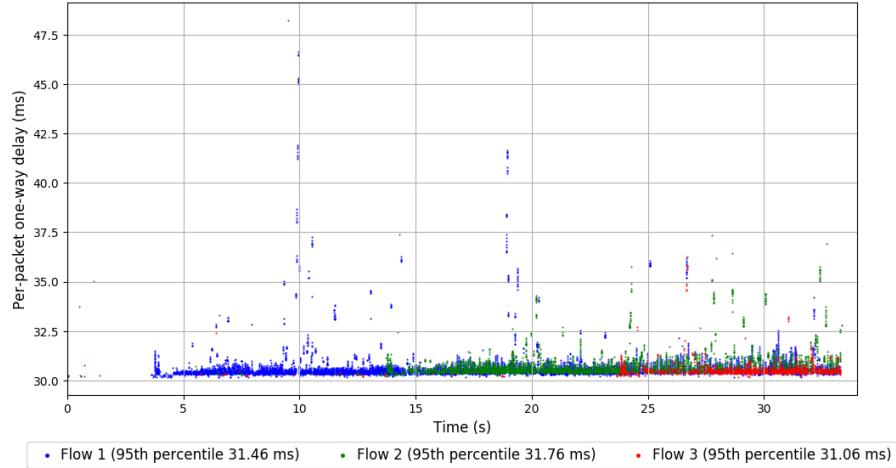
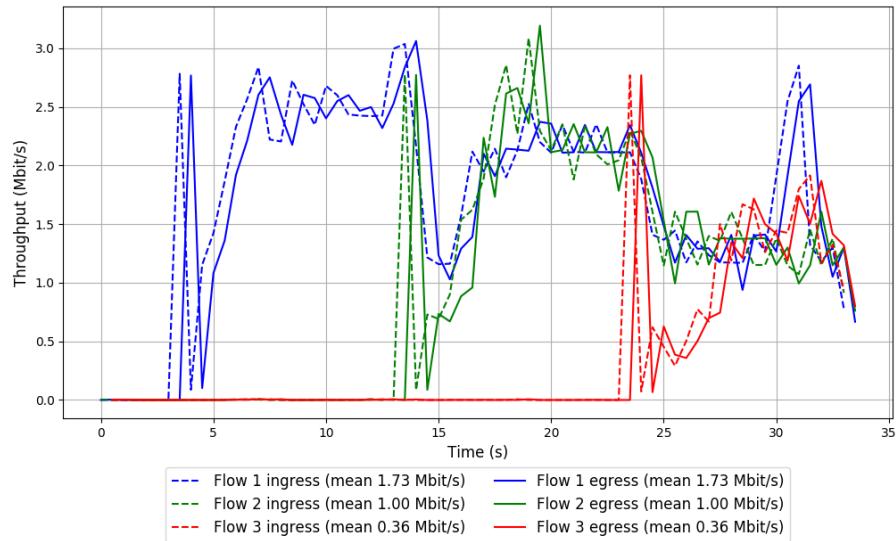


```
Run 1: Statistics of WebRTC media

Start at: 2019-11-24 16:17:26
End at: 2019-11-24 16:17:56
Local clock offset: 3.261 ms
Remote clock offset: 4.169 ms

# Below is generated by plot.py at 2019-11-25 06:31:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 31.479 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 31.461 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 31.764 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 31.058 ms
Loss rate: 1.00%
```

Run 1: Report of WebRTC media — Data Link

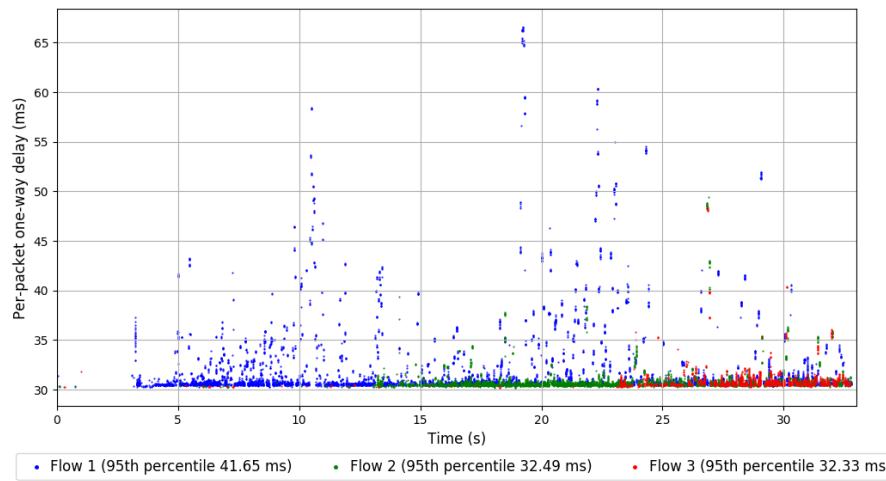
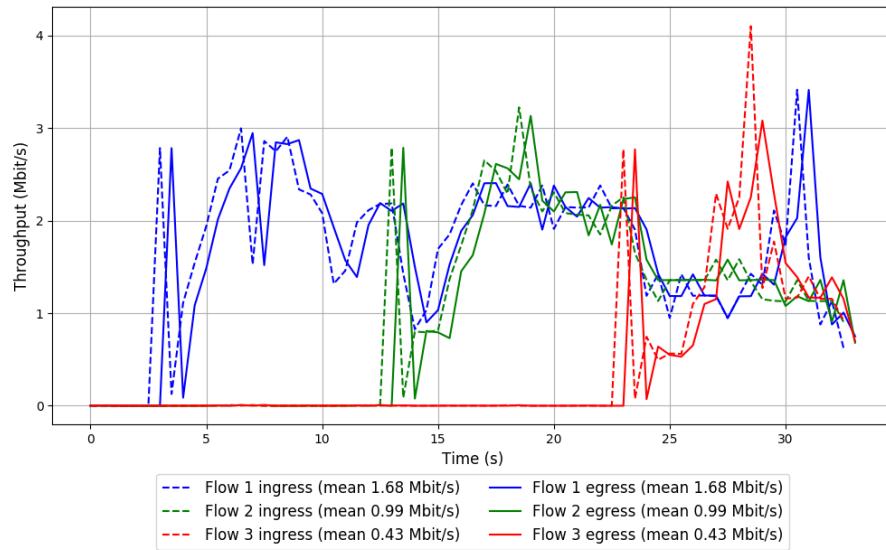


Run 2: Statistics of WebRTC media

```
Start at: 2019-11-24 17:41:23
End at: 2019-11-24 17:41:53
Local clock offset: 4.39 ms
Remote clock offset: 4.27 ms

# Below is generated by plot.py at 2019-11-25 06:31:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 38.371 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 41.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 32.488 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.326 ms
Loss rate: 0.82%
```

Run 2: Report of WebRTC media — Data Link

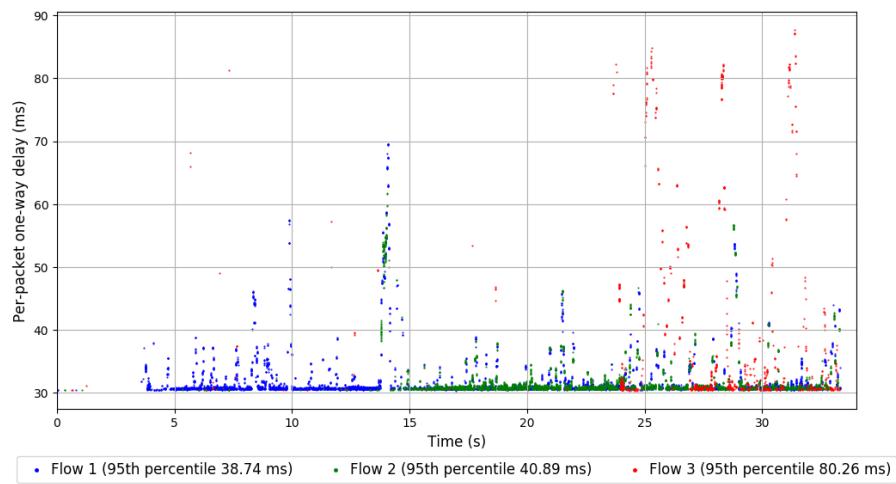
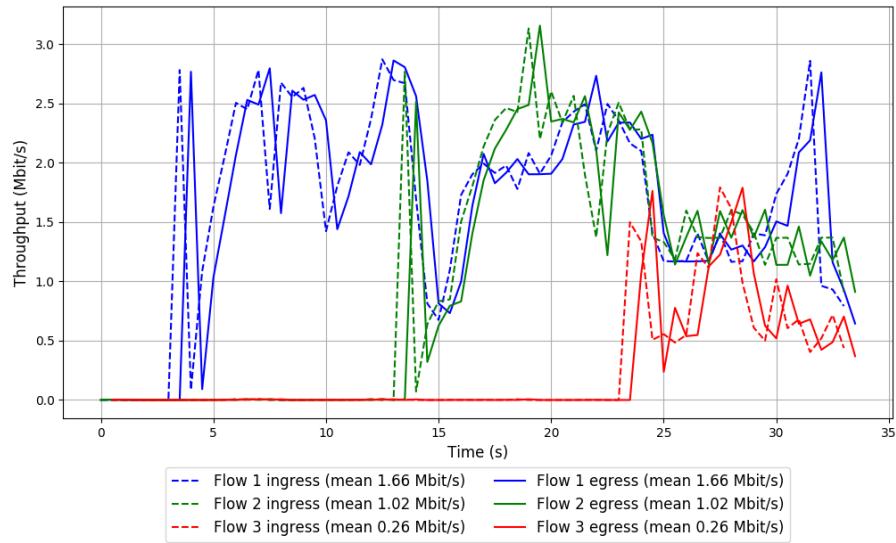


Run 3: Statistics of WebRTC media

```
Start at: 2019-11-24 23:44:40
End at: 2019-11-24 23:45:10
Local clock offset: 3.819 ms
Remote clock offset: 5.614 ms

# Below is generated by plot.py at 2019-11-25 06:31:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 46.465 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 38.738 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 40.886 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 80.262 ms
Loss rate: 0.66%
```

Run 3: Report of WebRTC media — Data Link

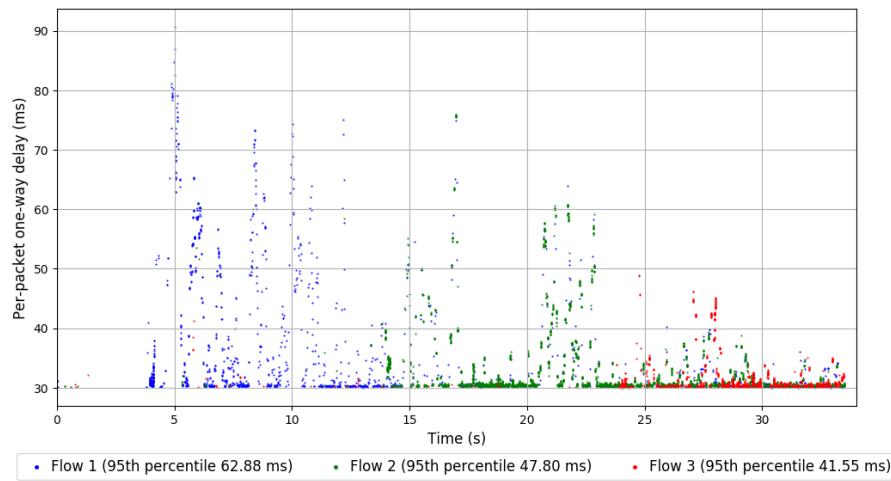
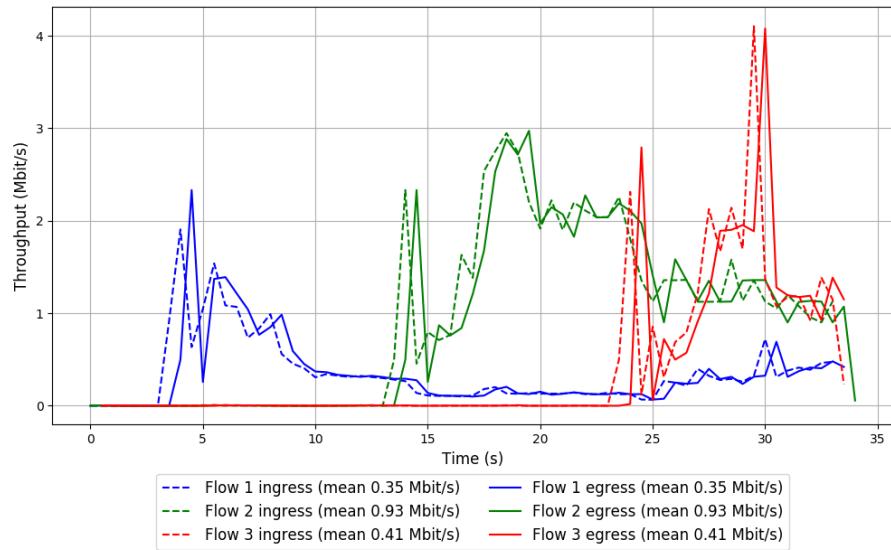


Run 4: Statistics of WebRTC media

```
Start at: 2019-11-25 01:46:03
End at: 2019-11-25 01:46:33
Local clock offset: 4.025 ms
Remote clock offset: 6.204 ms

# Below is generated by plot.py at 2019-11-25 06:31:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 53.438 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 62.881 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 47.803 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 41.549 ms
Loss rate: 0.85%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-11-25 05:18:25
End at: 2019-11-25 05:18:55
Local clock offset: 3.427 ms
Remote clock offset: 3.871 ms

# Below is generated by plot.py at 2019-11-25 06:31:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 32.951 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 31.823 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 34.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 32.359 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

