

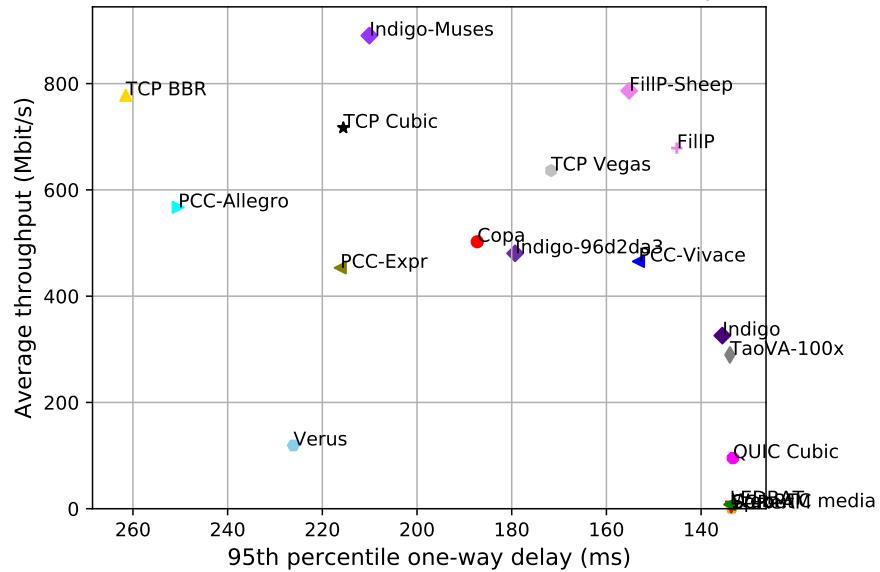
Pantheon Report

Generated at 2018-11-30 23:45:13 (UTC).
Data path: GCE London on `ens4` (*remote*) → GCE Sydney on `ens4` (*local*).
Repeated the test of 19 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.google.com` and have been applied to correct the timestamps in logs.

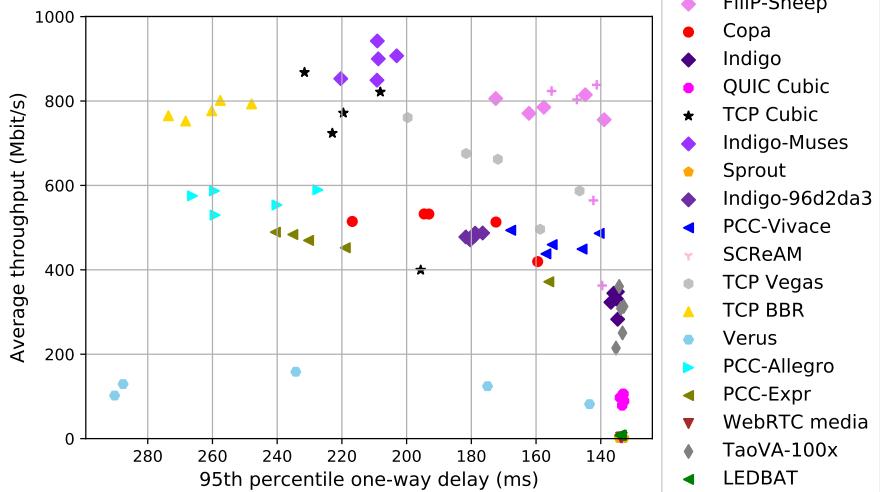
```
System info:  
Linux 4.15.0-1024-gcp  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ 7b6dad87cde3ab65f7c4052140eb54098aa58e9d  
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/indigo-96d2da3 @ 8413272d46f8aa0bc967ed7048b6a8f994abb95  
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf  
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a  
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
```

test from GCE London to GCE Sydney, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE London to GCE Sydney, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows



4

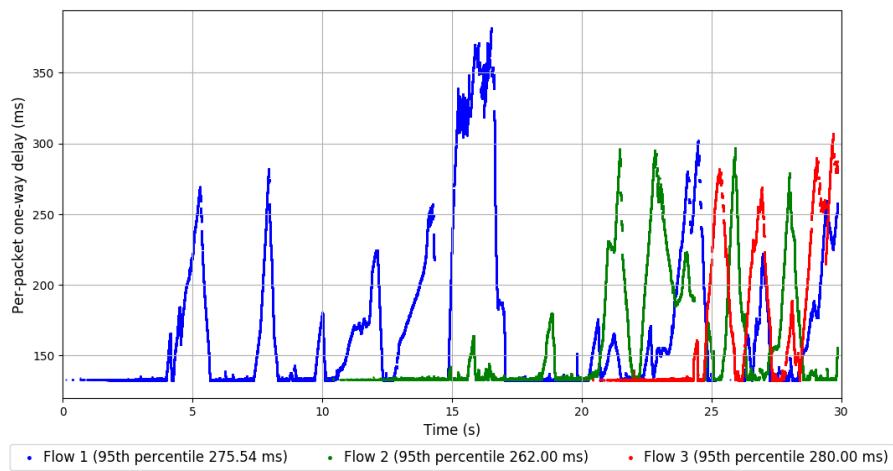
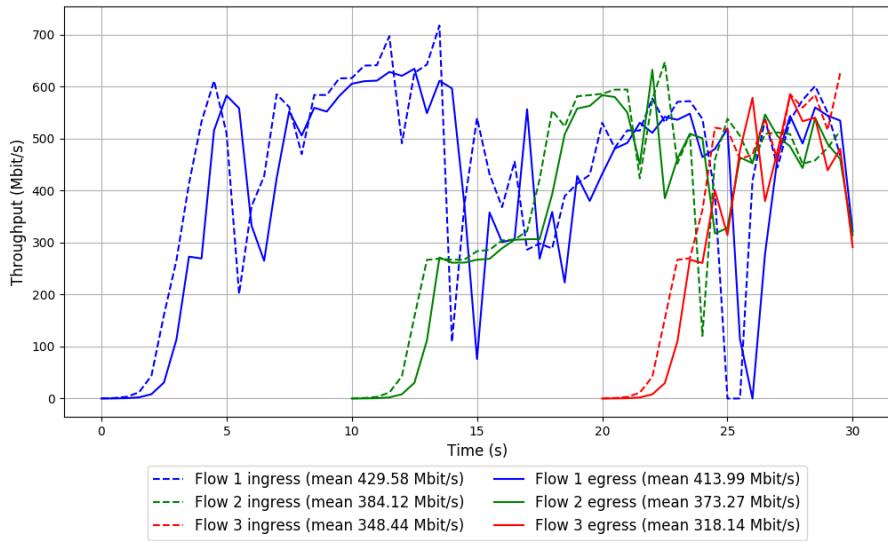
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 5 | 436.21 | 389.44 | 256.11 | 254.66 | 261.46 | 185.37 | 3.32 | 3.84 | 6.77 |
| Copa | 5 | 270.24 | 250.18 | 202.98 | 171.00 | 182.89 | 196.59 | 1.11 | 1.46 | 3.15 |
| TCP Cubic | 5 | 397.25 | 362.36 | 242.95 | 208.50 | 206.32 | 219.28 | 1.32 | 1.90 | 5.63 |
| FillP | 5 | 386.37 | 321.95 | 243.29 | 147.80 | 138.33 | 137.73 | 0.56 | 1.42 | 3.11 |
| FillP-Sheep | 5 | 491.58 | 328.81 | 237.09 | 162.78 | 139.54 | 135.92 | 0.94 | 1.27 | 3.00 |
| Indigo | 5 | 171.72 | 159.65 | 148.07 | 135.03 | 135.71 | 137.03 | 0.83 | 1.35 | 3.37 |
| Indigo-96d2da3 | 5 | 262.09 | 244.57 | 177.66 | 180.73 | 179.27 | 172.96 | 1.21 | 1.68 | 4.17 |
| LEDBAT | 5 | 5.24 | 3.42 | 1.66 | 133.91 | 133.79 | 133.94 | 1.79 | 2.71 | 5.40 |
| Indigo-Muses | 5 | 519.54 | 438.62 | 252.55 | 203.69 | 216.28 | 202.31 | 1.19 | 2.09 | 5.73 |
| PCC-Allegro | 5 | 301.62 | 291.07 | 225.54 | 250.68 | 225.74 | 244.77 | 3.71 | 4.82 | 5.52 |
| PCC-Expr | 5 | 269.72 | 193.91 | 170.52 | 210.53 | 172.08 | 216.56 | 2.92 | 1.94 | 6.67 |
| QUIC Cubic | 5 | 54.17 | 45.76 | 32.36 | 133.20 | 132.87 | 132.95 | 1.23 | 2.22 | 2.43 |
| SCReAM | 5 | 0.16 | 0.15 | 0.16 | 133.33 | 133.04 | 133.40 | 0.91 | 1.43 | 2.51 |
| Sprout | 5 | 0.66 | 0.56 | 0.57 | 133.38 | 133.37 | 133.41 | 0.93 | 1.72 | 2.74 |
| TaoVA-100x | 5 | 182.50 | 115.85 | 92.41 | 133.62 | 133.83 | 134.40 | 0.87 | 1.45 | 2.81 |
| TCP Vegas | 5 | 352.37 | 303.19 | 254.06 | 165.43 | 141.03 | 214.12 | 0.88 | 1.39 | 4.17 |
| Verus | 5 | 46.37 | 89.24 | 42.95 | 181.94 | 188.91 | 213.84 | 2.11 | 2.38 | 6.95 |
| PCC-Vivace | 5 | 287.16 | 216.05 | 108.55 | 165.51 | 136.65 | 139.92 | 1.23 | 1.57 | 4.41 |
| WebRTC media | 5 | 1.68 | 1.00 | 0.30 | 133.58 | 133.38 | 133.29 | 1.14 | 1.89 | 7.31 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-11-30 18:35:59
End at: 2018-11-30 18:36:29
Local clock offset: -0.446 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2018-11-30 21:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 765.28 Mbit/s
95th percentile per-packet one-way delay: 273.620 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 413.99 Mbit/s
95th percentile per-packet one-way delay: 275.543 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 373.27 Mbit/s
95th percentile per-packet one-way delay: 262.001 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 318.14 Mbit/s
95th percentile per-packet one-way delay: 280.004 ms
Loss rate: 11.14%
```

Run 1: Report of TCP BBR — Data Link

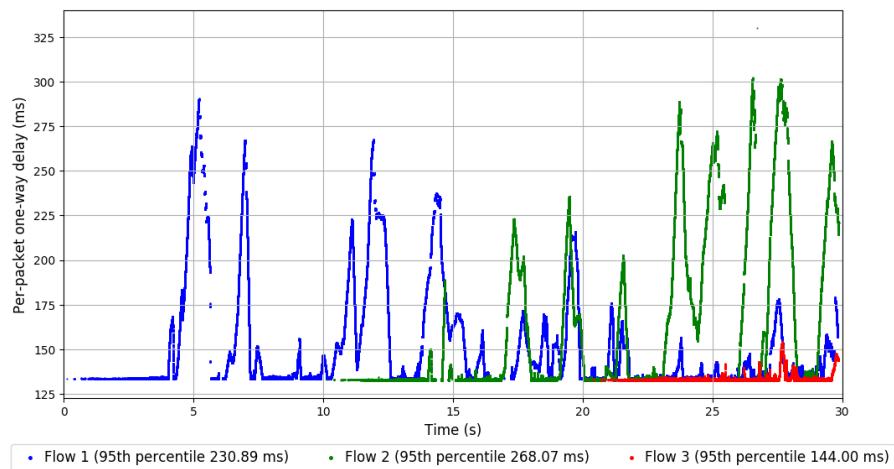
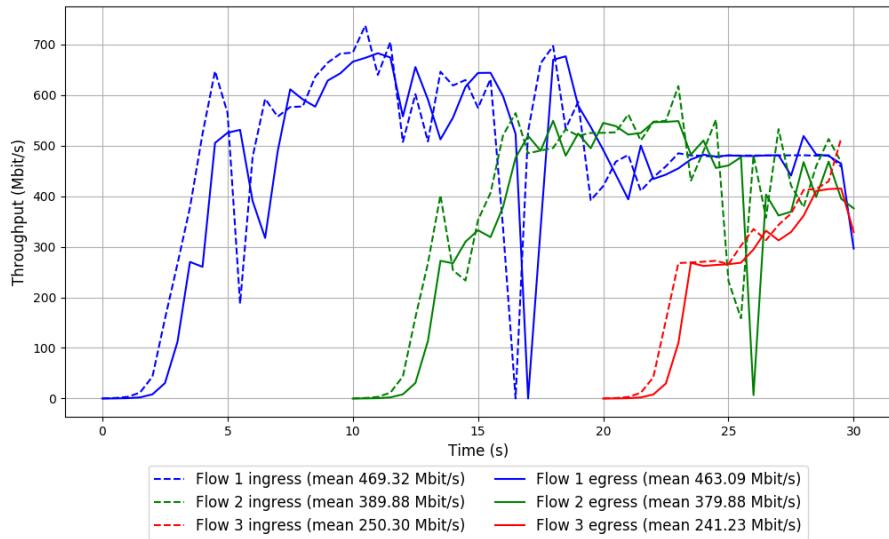


Run 2: Statistics of TCP BBR

```
Start at: 2018-11-30 19:13:43
End at: 2018-11-30 19:14:13
Local clock offset: -0.19 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-11-30 21:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 793.27 Mbit/s
95th percentile per-packet one-way delay: 247.908 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 463.09 Mbit/s
95th percentile per-packet one-way delay: 230.894 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 379.88 Mbit/s
95th percentile per-packet one-way delay: 268.073 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 241.23 Mbit/s
95th percentile per-packet one-way delay: 144.002 ms
Loss rate: 6.21%
```

Run 2: Report of TCP BBR — Data Link

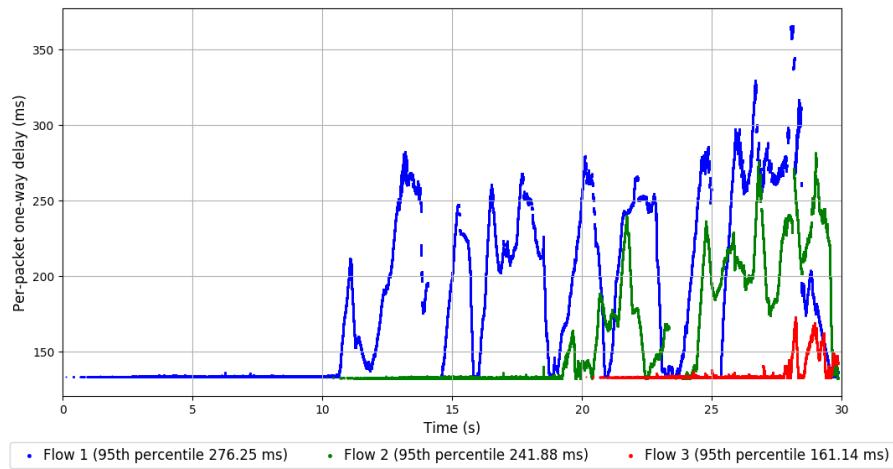
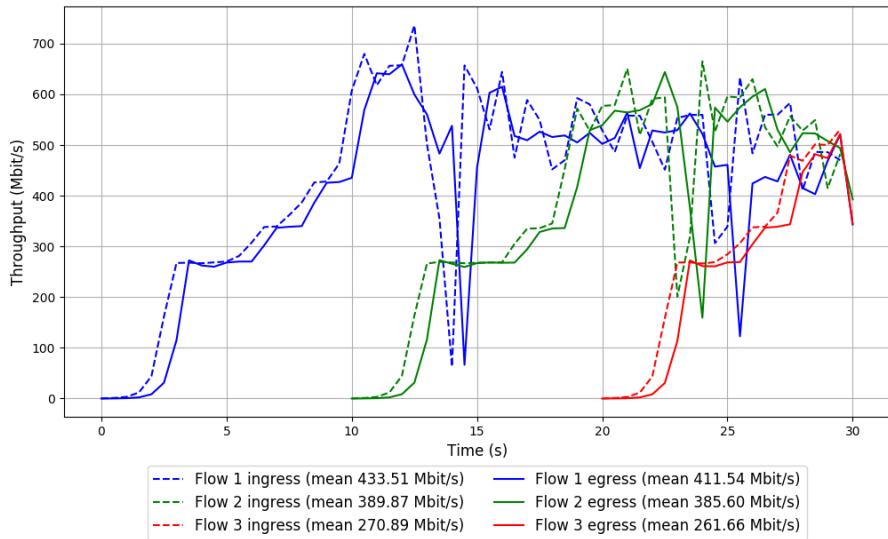


Run 3: Statistics of TCP BBR

```
Start at: 2018-11-30 19:50:29
End at: 2018-11-30 19:50:59
Local clock offset: -0.124 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-11-30 21:50:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 752.75 Mbit/s
95th percentile per-packet one-way delay: 268.282 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 411.54 Mbit/s
95th percentile per-packet one-way delay: 276.248 ms
Loss rate: 5.92%
-- Flow 2:
Average throughput: 385.60 Mbit/s
95th percentile per-packet one-way delay: 241.876 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 261.66 Mbit/s
95th percentile per-packet one-way delay: 161.144 ms
Loss rate: 6.01%
```

Run 3: Report of TCP BBR — Data Link

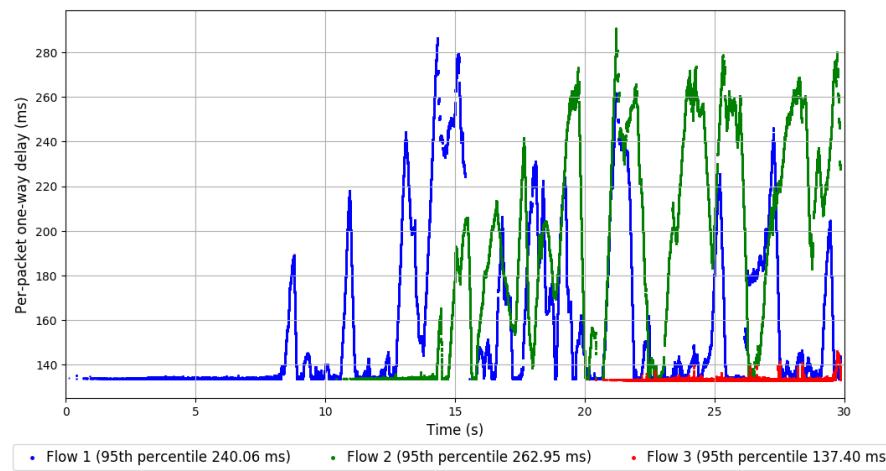
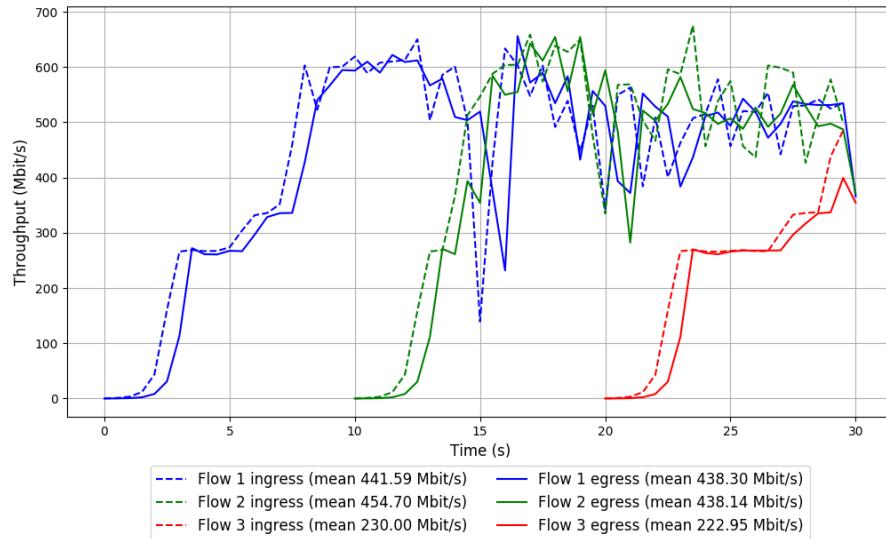


Run 4: Statistics of TCP BBR

```
Start at: 2018-11-30 20:27:15
End at: 2018-11-30 20:27:45
Local clock offset: 0.379 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-11-30 21:51:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 801.65 Mbit/s
95th percentile per-packet one-way delay: 257.573 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 438.30 Mbit/s
95th percentile per-packet one-way delay: 240.059 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 438.14 Mbit/s
95th percentile per-packet one-way delay: 262.949 ms
Loss rate: 4.93%
-- Flow 3:
Average throughput: 222.95 Mbit/s
95th percentile per-packet one-way delay: 137.397 ms
Loss rate: 5.66%
```

Run 4: Report of TCP BBR — Data Link

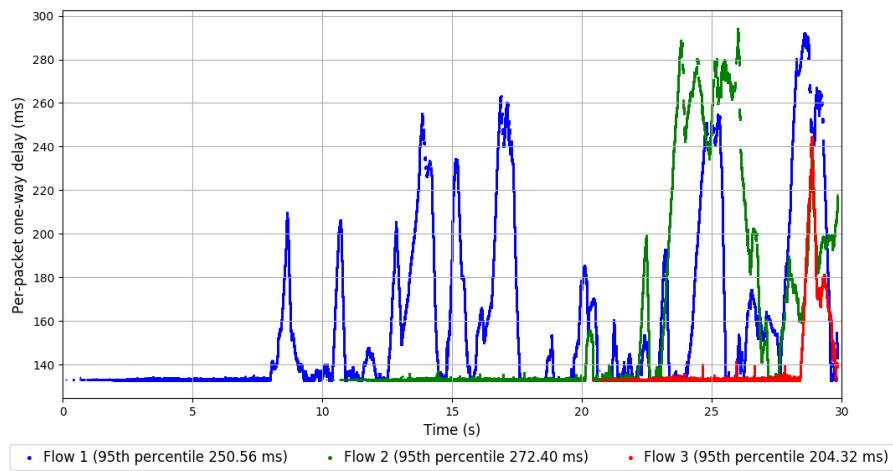
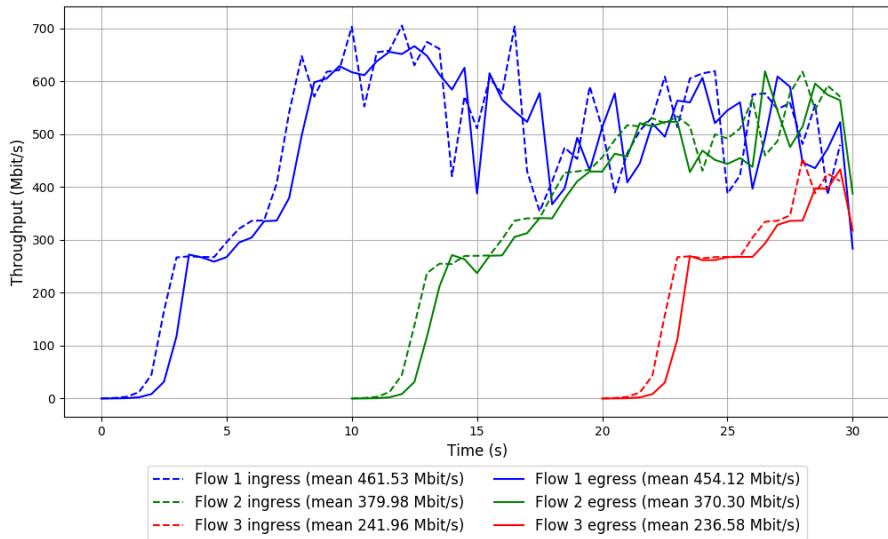


Run 5: Statistics of TCP BBR

```
Start at: 2018-11-30 21:05:20
End at: 2018-11-30 21:05:50
Local clock offset: -0.093 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-11-30 21:51:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 776.92 Mbit/s
95th percentile per-packet one-way delay: 260.222 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 454.12 Mbit/s
95th percentile per-packet one-way delay: 250.565 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 370.30 Mbit/s
95th percentile per-packet one-way delay: 272.405 ms
Loss rate: 3.84%
-- Flow 3:
Average throughput: 236.58 Mbit/s
95th percentile per-packet one-way delay: 204.319 ms
Loss rate: 4.84%
```

Run 5: Report of TCP BBR — Data Link

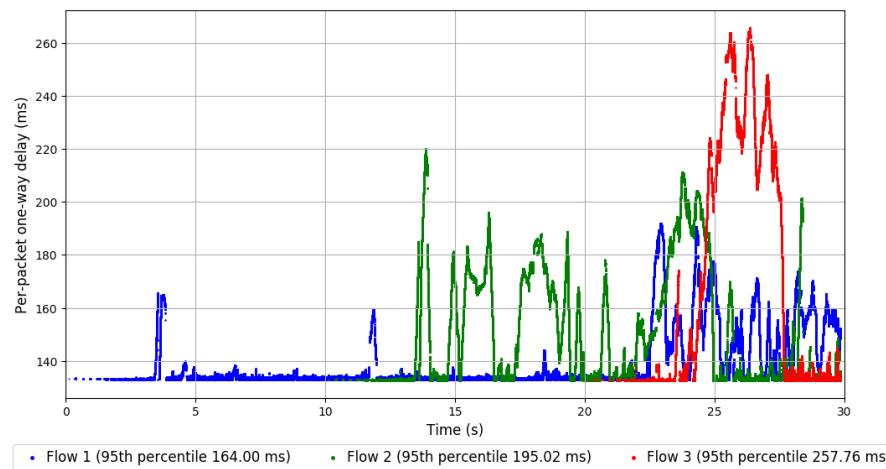
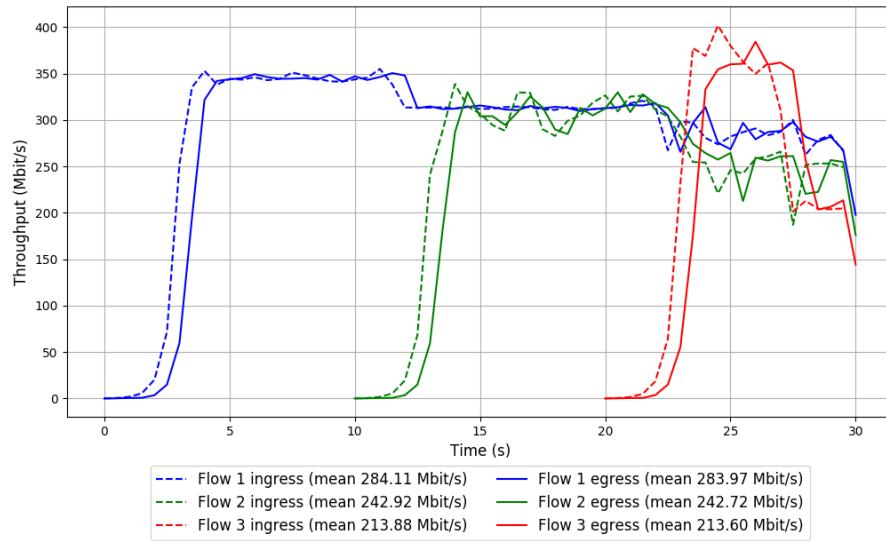


Run 1: Statistics of Copa

```
Start at: 2018-11-30 18:45:16
End at: 2018-11-30 18:45:46
Local clock offset: -0.218 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-11-30 21:53:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 514.65 Mbit/s
95th percentile per-packet one-way delay: 216.796 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 283.97 Mbit/s
95th percentile per-packet one-way delay: 163.997 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 242.72 Mbit/s
95th percentile per-packet one-way delay: 195.019 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 213.60 Mbit/s
95th percentile per-packet one-way delay: 257.762 ms
Loss rate: 2.79%
```

Run 1: Report of Copa — Data Link

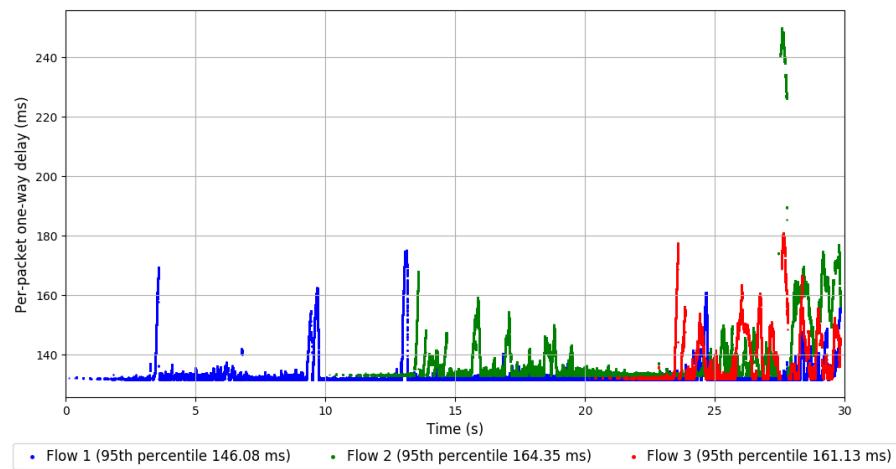
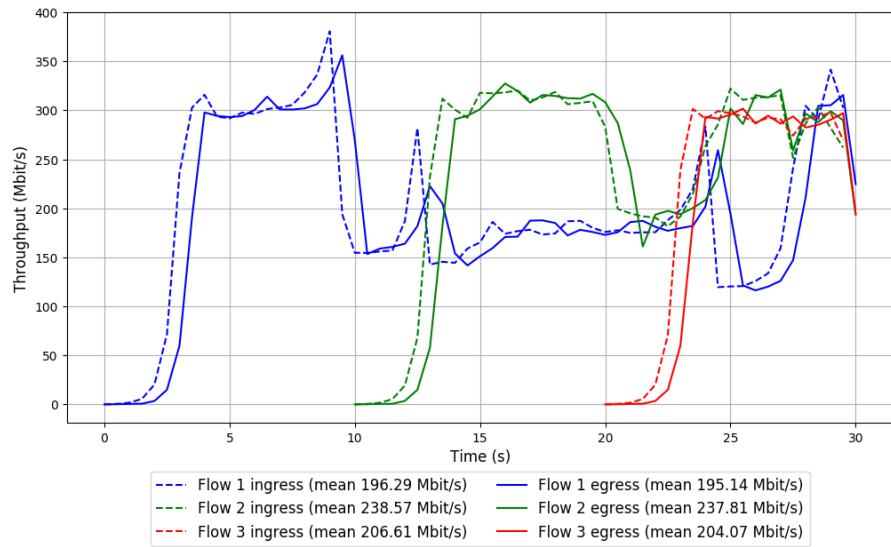


Run 2: Statistics of Copa

```
Start at: 2018-11-30 19:23:24
End at: 2018-11-30 19:23:54
Local clock offset: -0.564 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-11-30 21:53:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 419.46 Mbit/s
95th percentile per-packet one-way delay: 159.502 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 195.14 Mbit/s
95th percentile per-packet one-way delay: 146.081 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 237.81 Mbit/s
95th percentile per-packet one-way delay: 164.352 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 204.07 Mbit/s
95th percentile per-packet one-way delay: 161.128 ms
Loss rate: 3.85%
```

Run 2: Report of Copa — Data Link

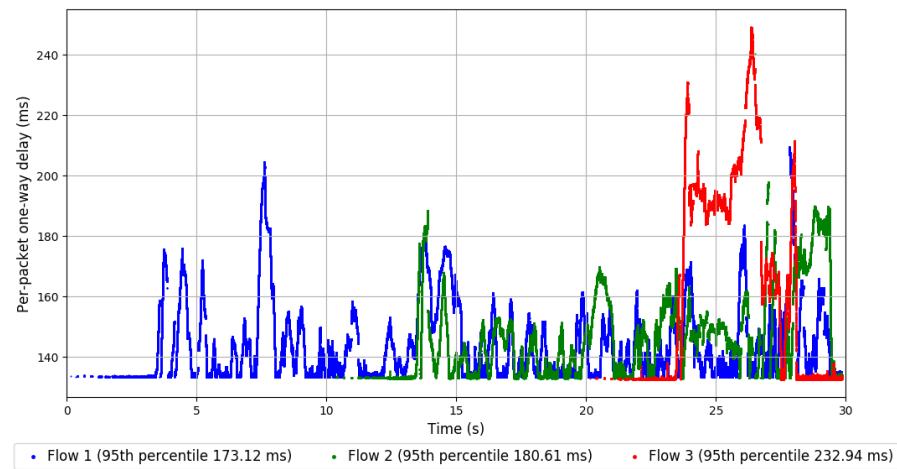
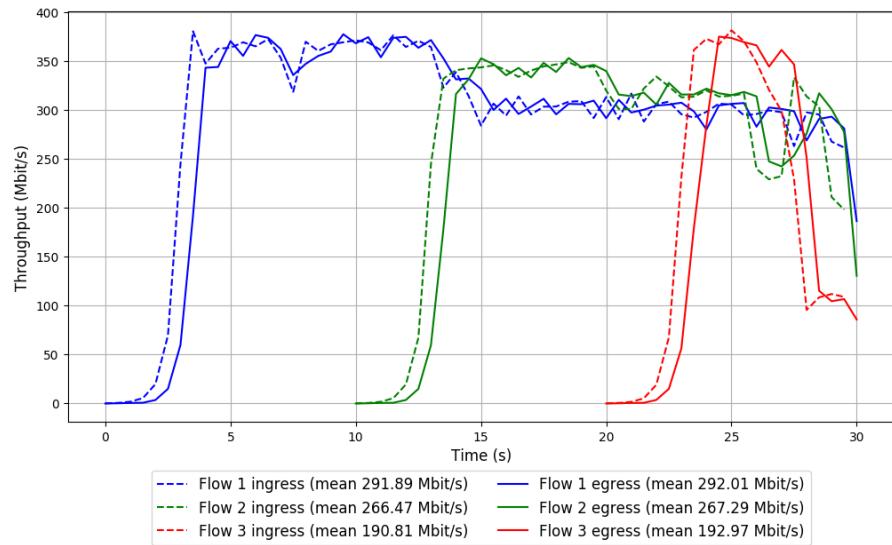


Run 3: Statistics of Copa

```
Start at: 2018-11-30 19:59:00
End at: 2018-11-30 19:59:30
Local clock offset: -0.103 ms
Remote clock offset: -0.407 ms

# Below is generated by plot.py at 2018-11-30 21:54:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.20 Mbit/s
95th percentile per-packet one-way delay: 193.132 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 292.01 Mbit/s
95th percentile per-packet one-way delay: 173.120 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 267.29 Mbit/s
95th percentile per-packet one-way delay: 180.609 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 192.97 Mbit/s
95th percentile per-packet one-way delay: 232.945 ms
Loss rate: 1.58%
```

Run 3: Report of Copa — Data Link

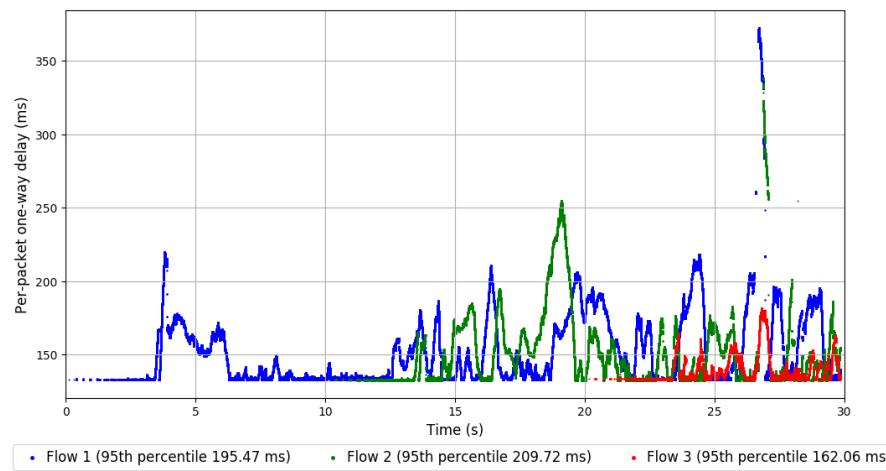
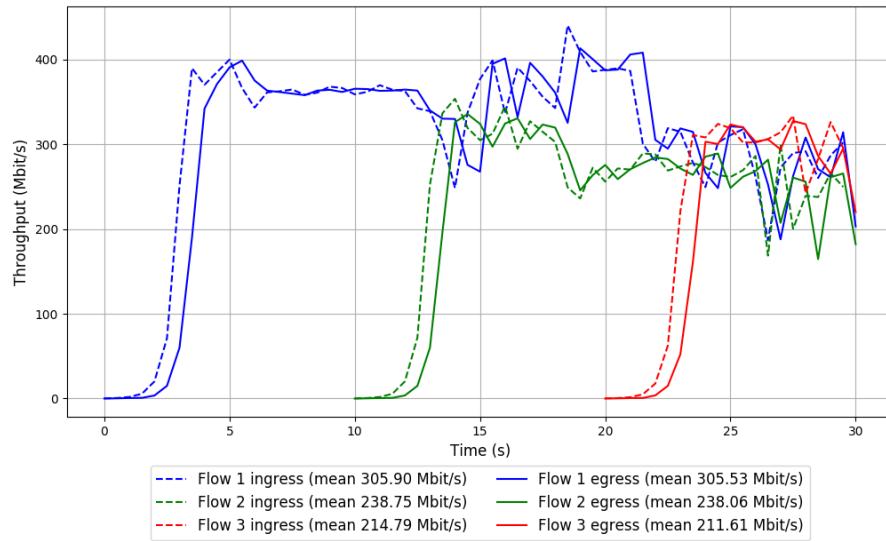


Run 4: Statistics of Copa

```
Start at: 2018-11-30 20:37:09
End at: 2018-11-30 20:37:39
Local clock offset: -0.004 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-11-30 22:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.41 Mbit/s
95th percentile per-packet one-way delay: 194.575 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 305.53 Mbit/s
95th percentile per-packet one-way delay: 195.467 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 238.06 Mbit/s
95th percentile per-packet one-way delay: 209.719 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 211.61 Mbit/s
95th percentile per-packet one-way delay: 162.055 ms
Loss rate: 4.12%
```

Run 4: Report of Copa — Data Link

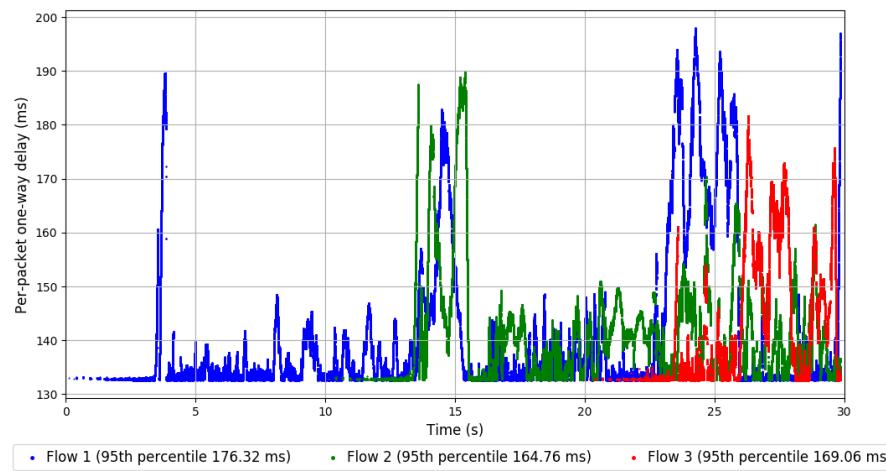
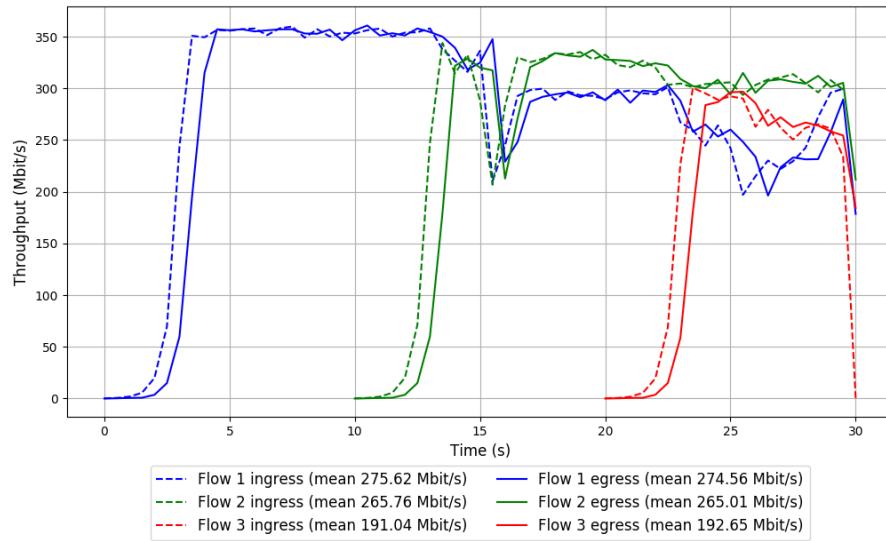


Run 5: Statistics of Copa

```
Start at: 2018-11-30 21:15:23
End at: 2018-11-30 21:15:53
Local clock offset: -0.298 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-11-30 22:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 513.20 Mbit/s
95th percentile per-packet one-way delay: 172.389 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 274.56 Mbit/s
95th percentile per-packet one-way delay: 176.316 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 265.01 Mbit/s
95th percentile per-packet one-way delay: 164.757 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 192.65 Mbit/s
95th percentile per-packet one-way delay: 169.056 ms
Loss rate: 3.39%
```

Run 5: Report of Copa — Data Link

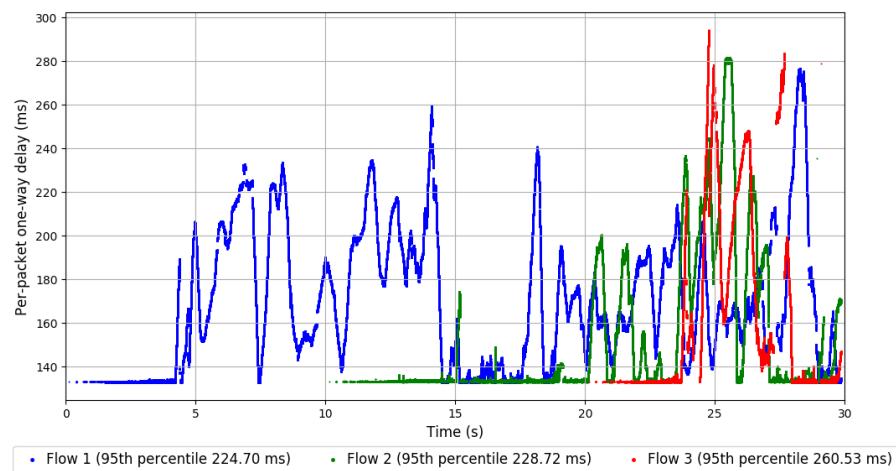
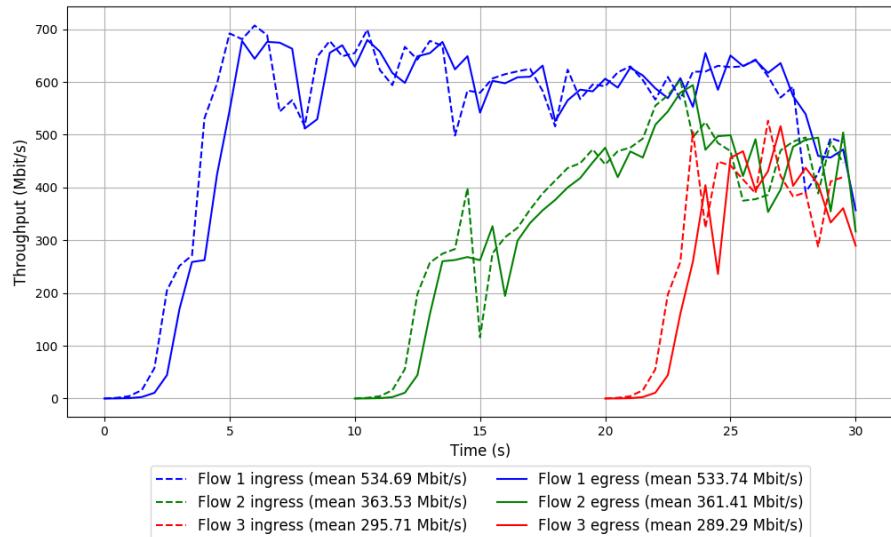


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-11-30 18:38:23
End at: 2018-11-30 18:38:53
Local clock offset: -0.257 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-11-30 22:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 867.90 Mbit/s
95th percentile per-packet one-way delay: 231.558 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 533.74 Mbit/s
95th percentile per-packet one-way delay: 224.701 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 361.41 Mbit/s
95th percentile per-packet one-way delay: 228.718 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 289.29 Mbit/s
95th percentile per-packet one-way delay: 260.528 ms
Loss rate: 4.79%
```

Run 1: Report of TCP Cubic — Data Link

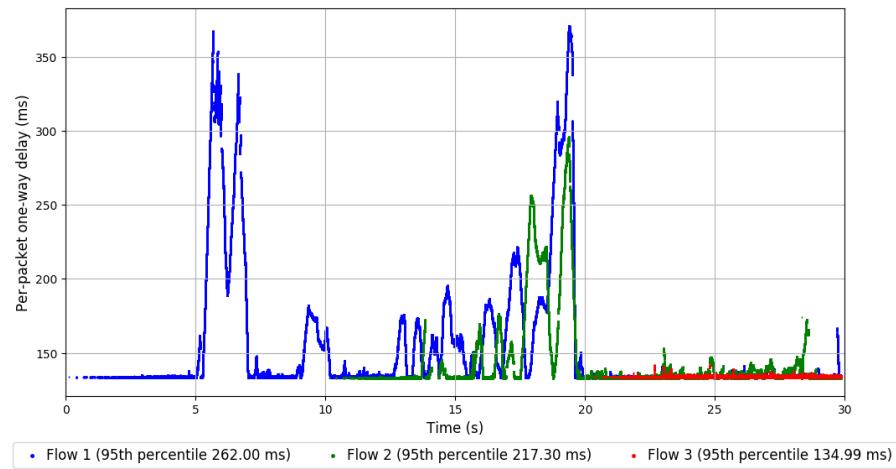
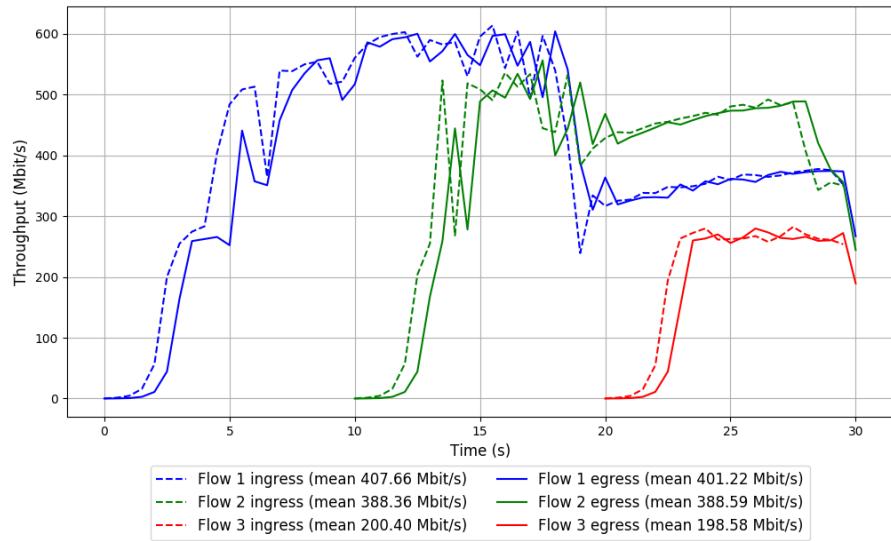


Run 2: Statistics of TCP Cubic

```
Start at: 2018-11-30 19:16:19
End at: 2018-11-30 19:16:49
Local clock offset: -0.01 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-11-30 22:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 723.75 Mbit/s
95th percentile per-packet one-way delay: 222.944 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 401.22 Mbit/s
95th percentile per-packet one-way delay: 262.004 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 388.59 Mbit/s
95th percentile per-packet one-way delay: 217.297 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 198.58 Mbit/s
95th percentile per-packet one-way delay: 134.985 ms
Loss rate: 3.56%
```

Run 2: Report of TCP Cubic — Data Link

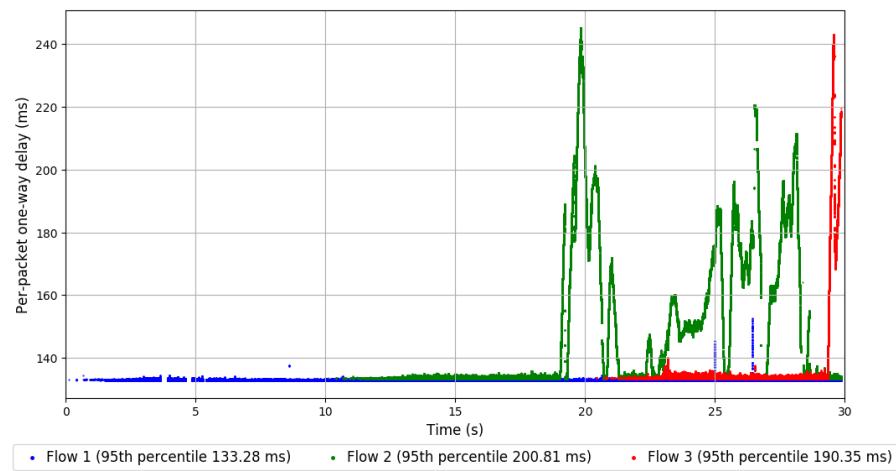
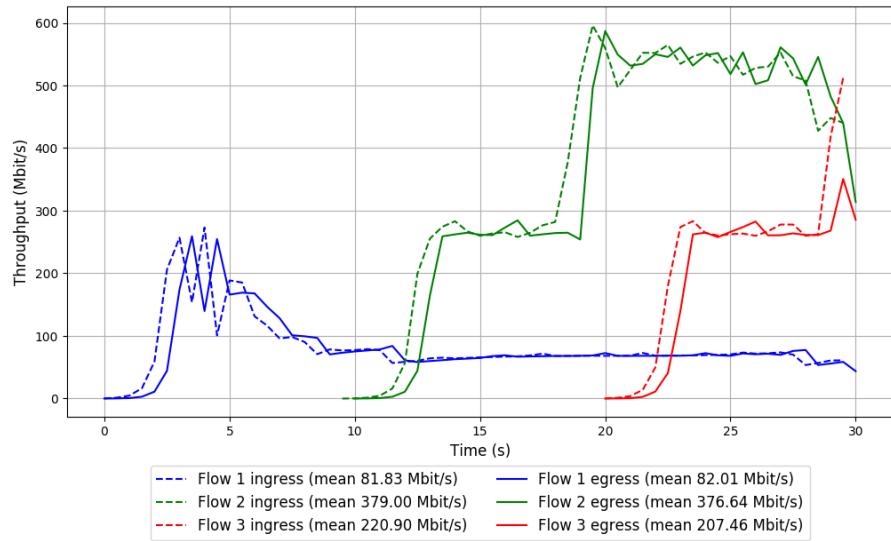


Run 3: Statistics of TCP Cubic

```
Start at: 2018-11-30 19:52:40
End at: 2018-11-30 19:53:10
Local clock offset: -0.049 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-11-30 22:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.43 Mbit/s
95th percentile per-packet one-way delay: 195.658 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 133.282 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 376.64 Mbit/s
95th percentile per-packet one-way delay: 200.808 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 207.46 Mbit/s
95th percentile per-packet one-way delay: 190.355 ms
Loss rate: 8.60%
```

Run 3: Report of TCP Cubic — Data Link

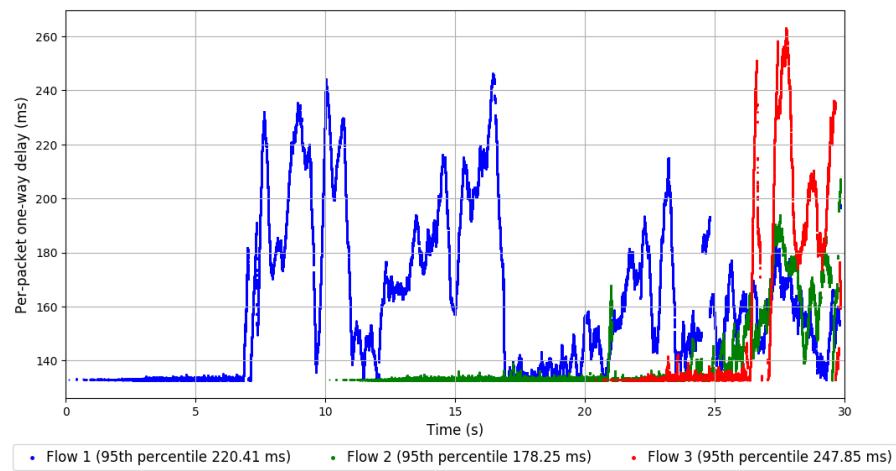
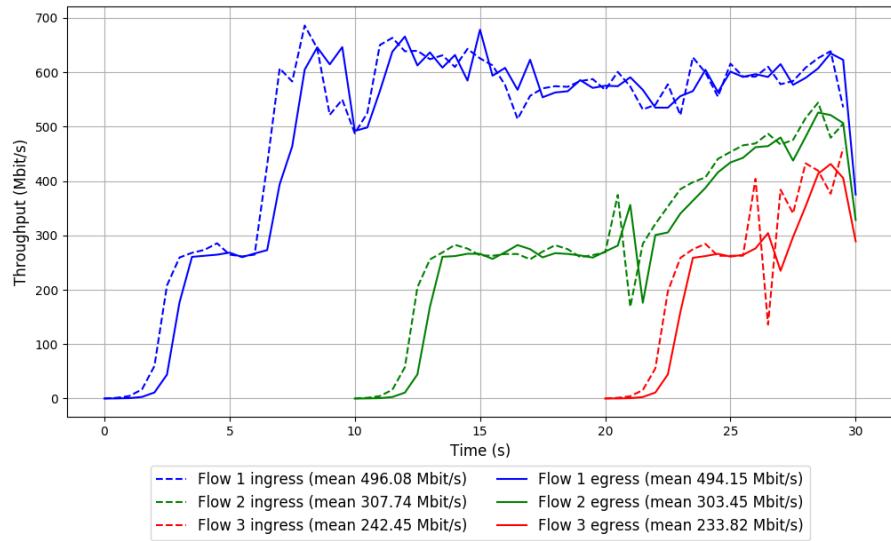


Run 4: Statistics of TCP Cubic

```
Start at: 2018-11-30 20:29:42
End at: 2018-11-30 20:30:12
Local clock offset: -0.06 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-11-30 22:10:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 771.69 Mbit/s
95th percentile per-packet one-way delay: 219.548 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 494.15 Mbit/s
95th percentile per-packet one-way delay: 220.408 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 303.45 Mbit/s
95th percentile per-packet one-way delay: 178.246 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 233.82 Mbit/s
95th percentile per-packet one-way delay: 247.849 ms
Loss rate: 6.14%
```

Run 4: Report of TCP Cubic — Data Link

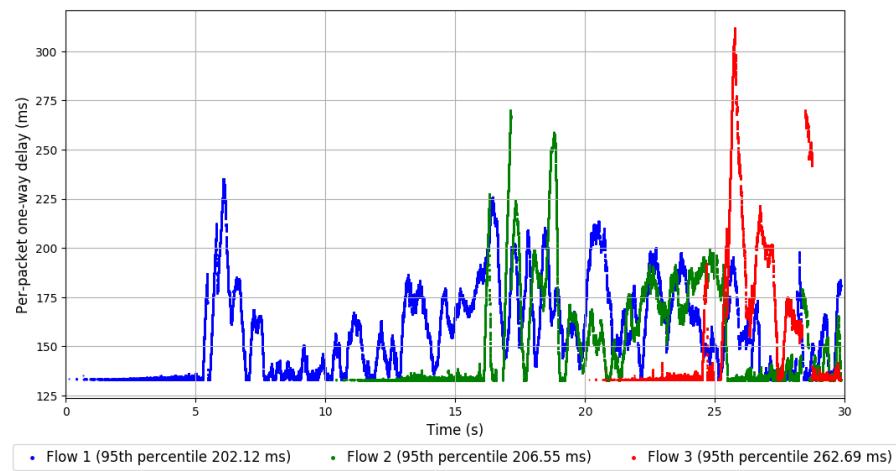
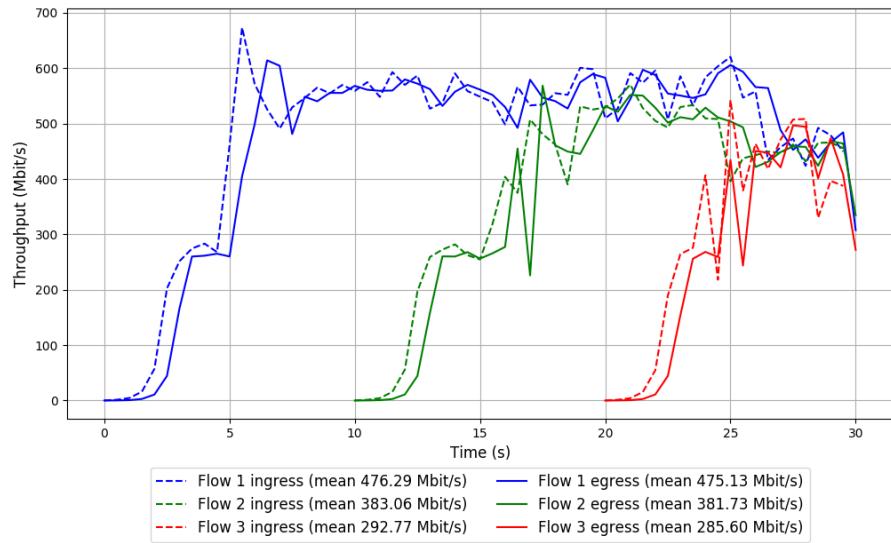


Run 5: Statistics of TCP Cubic

```
Start at: 2018-11-30 21:07:47
End at: 2018-11-30 21:08:17
Local clock offset: -0.11 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-11-30 22:10:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 821.51 Mbit/s
95th percentile per-packet one-way delay: 208.120 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 475.13 Mbit/s
95th percentile per-packet one-way delay: 202.125 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 381.73 Mbit/s
95th percentile per-packet one-way delay: 206.548 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 285.60 Mbit/s
95th percentile per-packet one-way delay: 262.695 ms
Loss rate: 5.07%
```

Run 5: Report of TCP Cubic — Data Link

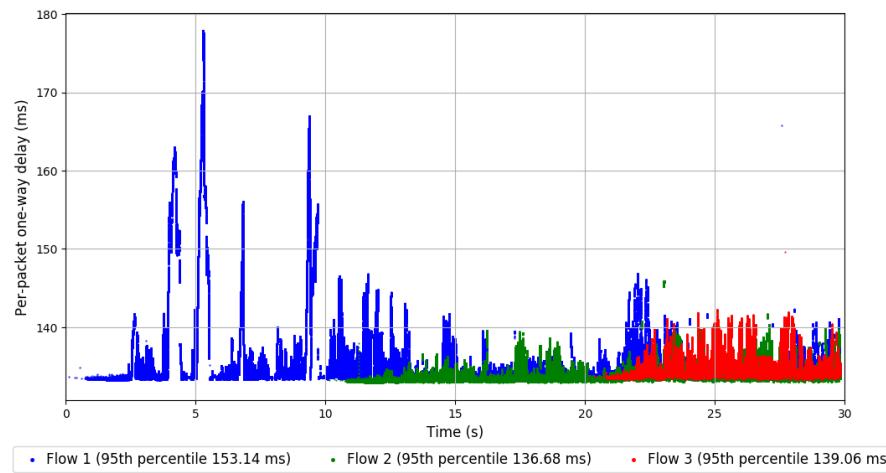
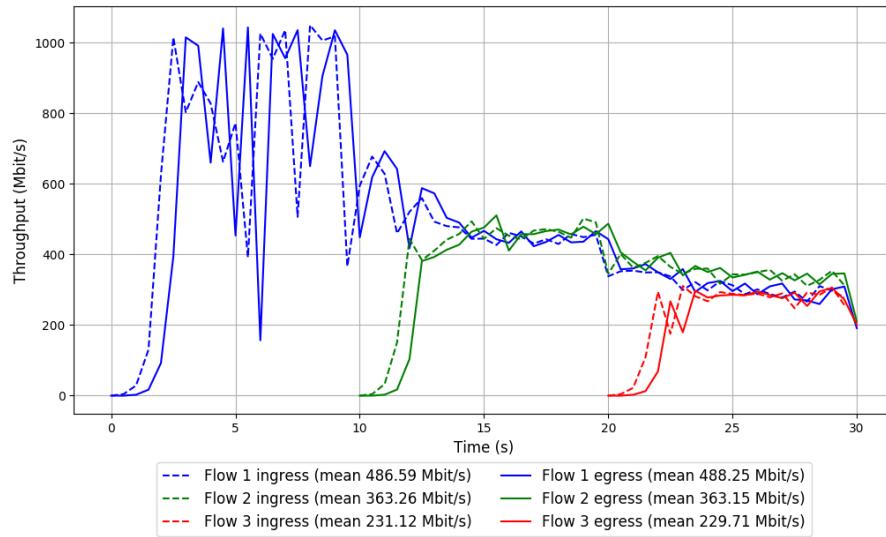


Run 1: Statistics of FillP

```
Start at: 2018-11-30 18:20:47
End at: 2018-11-30 18:21:17
Local clock offset: -0.007 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-11-30 22:14:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.46 Mbit/s
95th percentile per-packet one-way delay: 147.370 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 488.25 Mbit/s
95th percentile per-packet one-way delay: 153.138 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 363.15 Mbit/s
95th percentile per-packet one-way delay: 136.676 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 229.71 Mbit/s
95th percentile per-packet one-way delay: 139.065 ms
Loss rate: 3.13%
```

Run 1: Report of FillP — Data Link

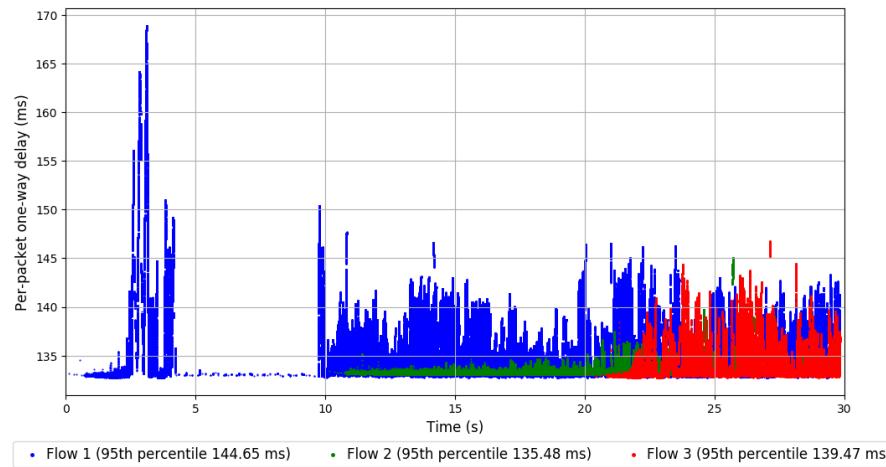
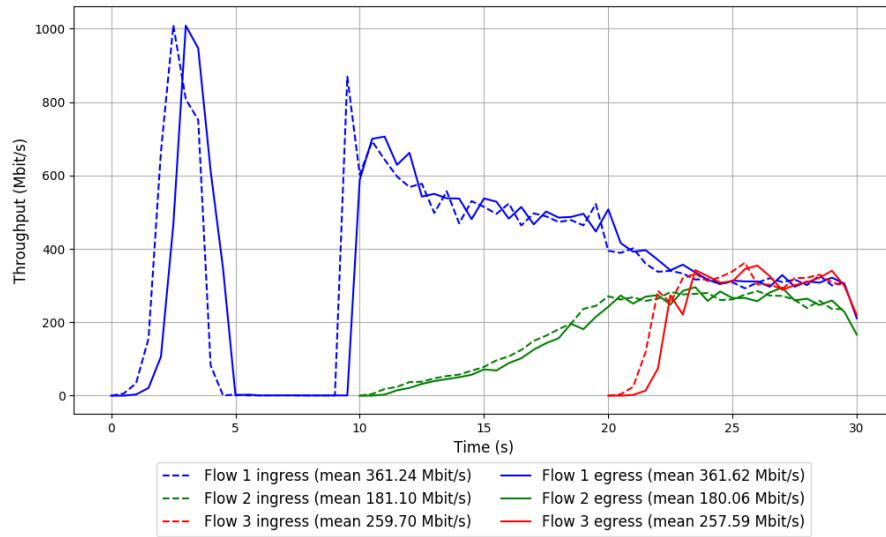


Run 2: Statistics of FillP

```
Start at: 2018-11-30 18:57:33
End at: 2018-11-30 18:58:03
Local clock offset: -0.192 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-11-30 22:14:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 564.47 Mbit/s
95th percentile per-packet one-way delay: 142.281 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 361.62 Mbit/s
95th percentile per-packet one-way delay: 144.651 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 180.06 Mbit/s
95th percentile per-packet one-way delay: 135.479 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 257.59 Mbit/s
95th percentile per-packet one-way delay: 139.466 ms
Loss rate: 3.34%
```

Run 2: Report of FillP — Data Link

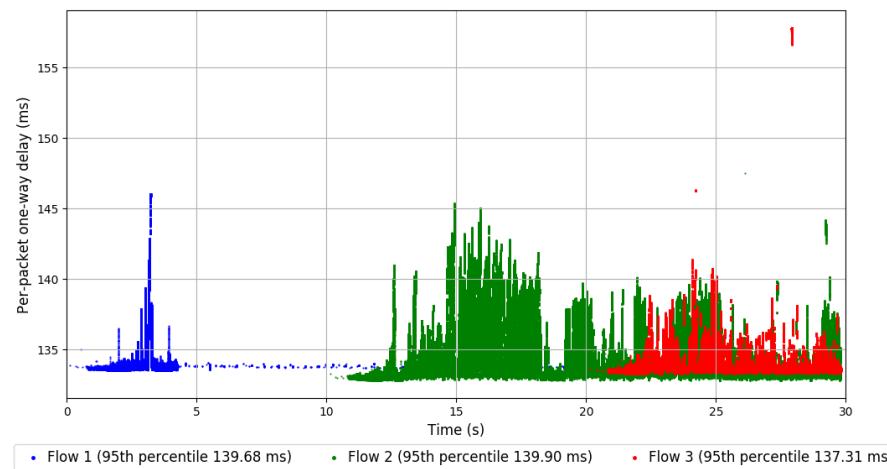
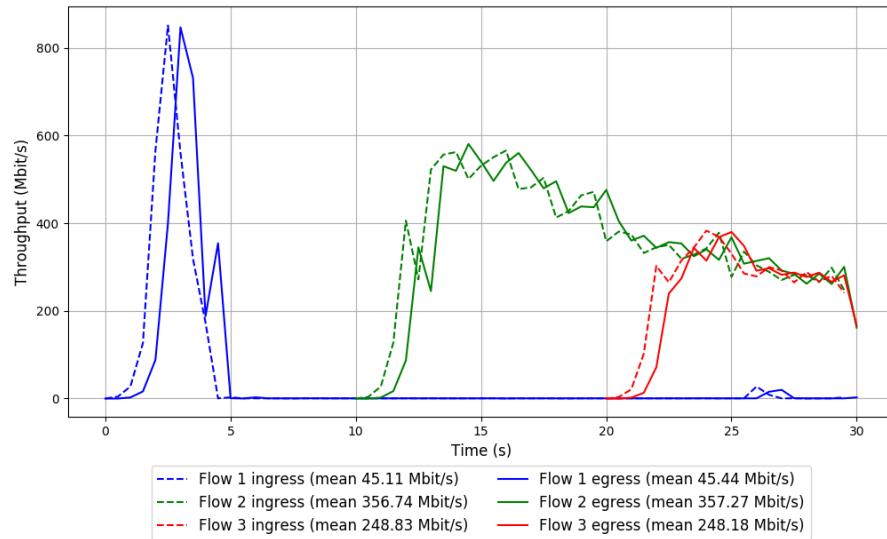


Run 3: Statistics of FillP

```
Start at: 2018-11-30 19:35:07
End at: 2018-11-30 19:35:37
Local clock offset: -0.4 ms
Remote clock offset: -0.489 ms

# Below is generated by plot.py at 2018-11-30 22:14:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 362.80 Mbit/s
95th percentile per-packet one-way delay: 139.551 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 139.681 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 357.27 Mbit/s
95th percentile per-packet one-way delay: 139.902 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 248.18 Mbit/s
95th percentile per-packet one-way delay: 137.306 ms
Loss rate: 2.90%
```

Run 3: Report of FillP — Data Link

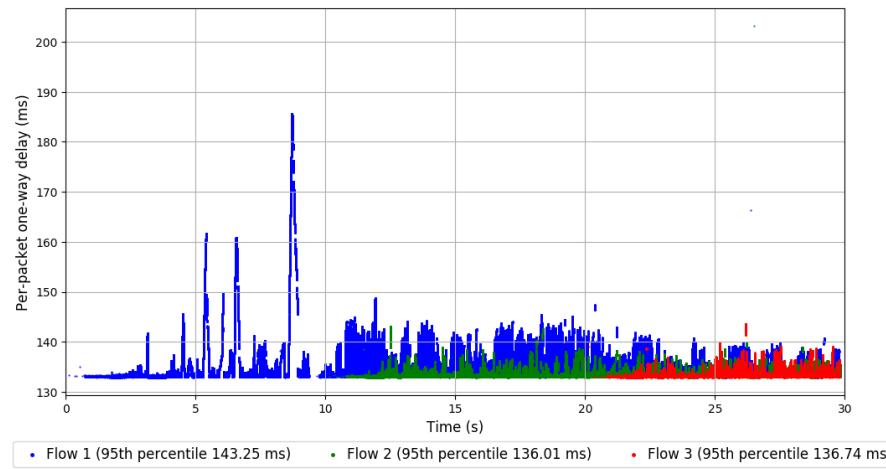
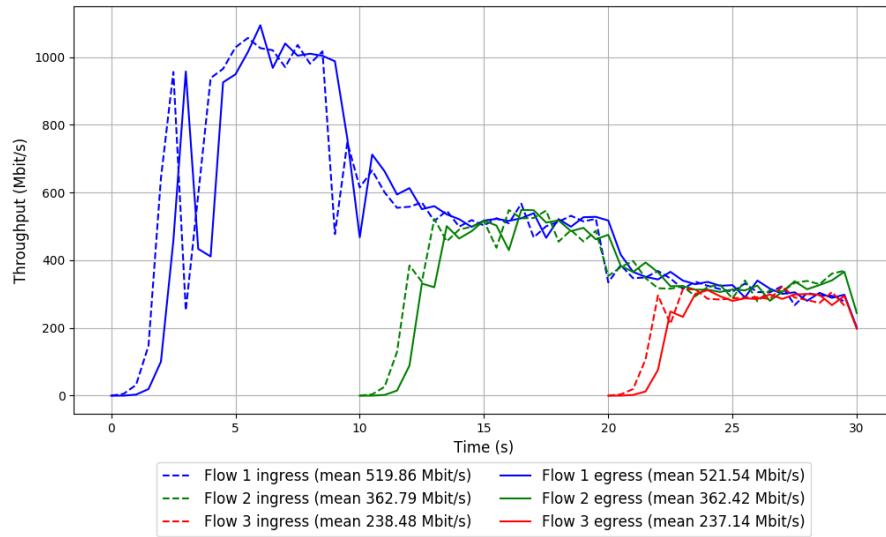


Run 4: Statistics of FillP

```
Start at: 2018-11-30 20:10:57
End at: 2018-11-30 20:11:27
Local clock offset: 0.12 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-11-30 22:27:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 838.36 Mbit/s
95th percentile per-packet one-way delay: 141.240 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 521.54 Mbit/s
95th percentile per-packet one-way delay: 143.254 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 362.42 Mbit/s
95th percentile per-packet one-way delay: 136.006 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 237.14 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 3.37%
```

Run 4: Report of FillP — Data Link

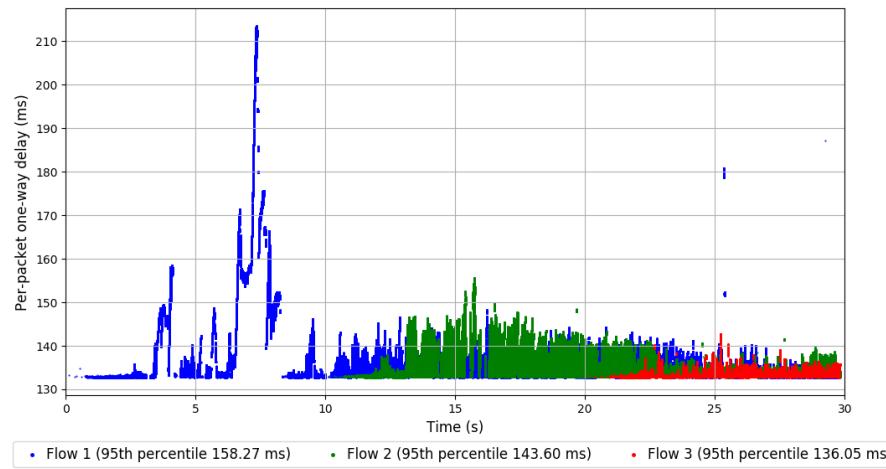
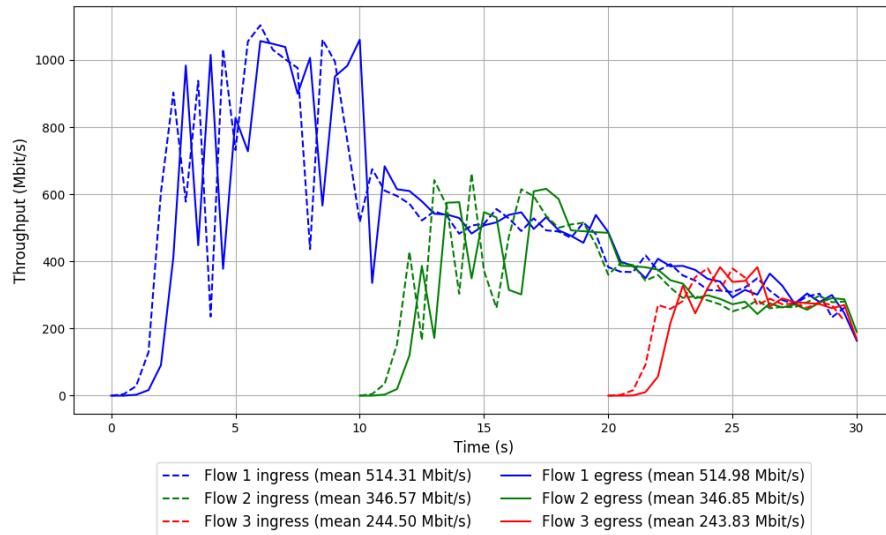


```
Run 5: Statistics of FillP
```

```
Start at: 2018-11-30 20:49:19
End at: 2018-11-30 20:49:49
Local clock offset: -0.23 ms
Remote clock offset: 0.277 ms

# Below is generated by plot.py at 2018-11-30 22:28:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 823.75 Mbit/s
95th percentile per-packet one-way delay: 155.199 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 514.98 Mbit/s
95th percentile per-packet one-way delay: 158.269 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 346.85 Mbit/s
95th percentile per-packet one-way delay: 143.603 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 243.83 Mbit/s
95th percentile per-packet one-way delay: 136.053 ms
Loss rate: 2.79%
```

Run 5: Report of FillP — Data Link

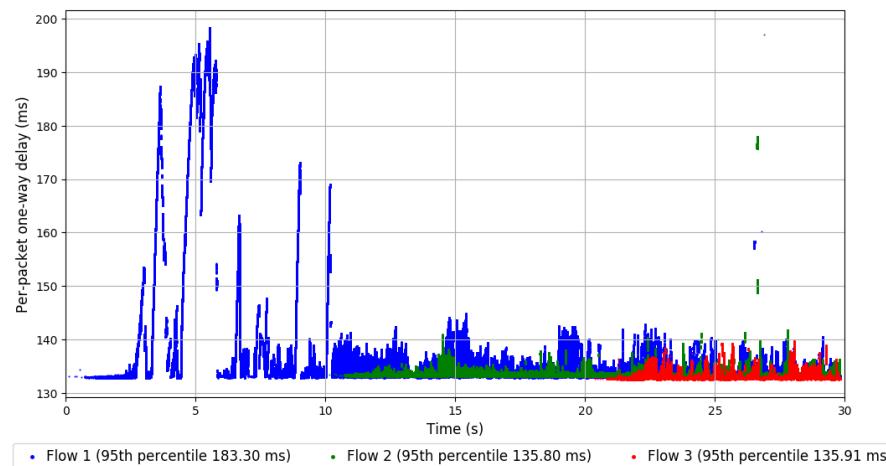
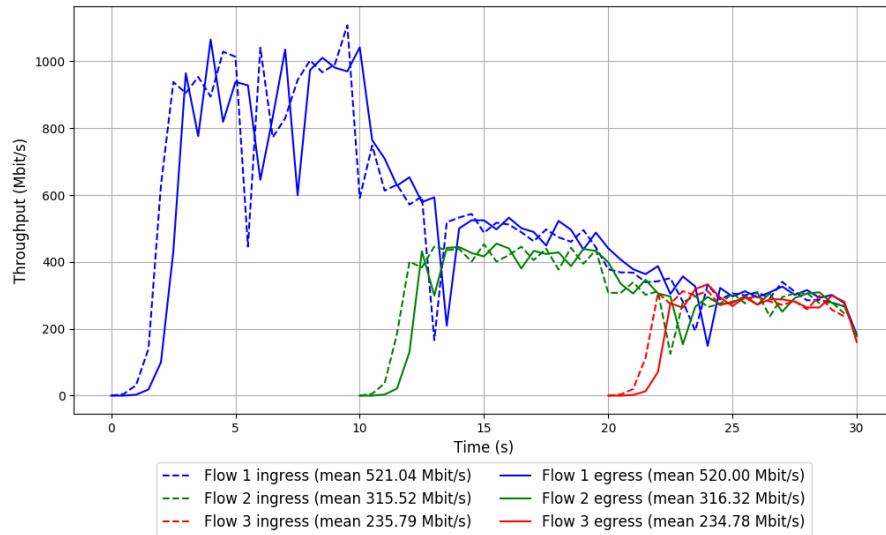


Run 1: Statistics of FillP-Sheep

```
Start at: 2018-11-30 18:40:39
End at: 2018-11-30 18:41:09
Local clock offset: -0.414 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-11-30 22:29:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 805.88 Mbit/s
95th percentile per-packet one-way delay: 172.458 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 520.00 Mbit/s
95th percentile per-packet one-way delay: 183.304 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 316.32 Mbit/s
95th percentile per-packet one-way delay: 135.799 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 234.78 Mbit/s
95th percentile per-packet one-way delay: 135.908 ms
Loss rate: 2.95%
```

Run 1: Report of FillP-Sheep — Data Link

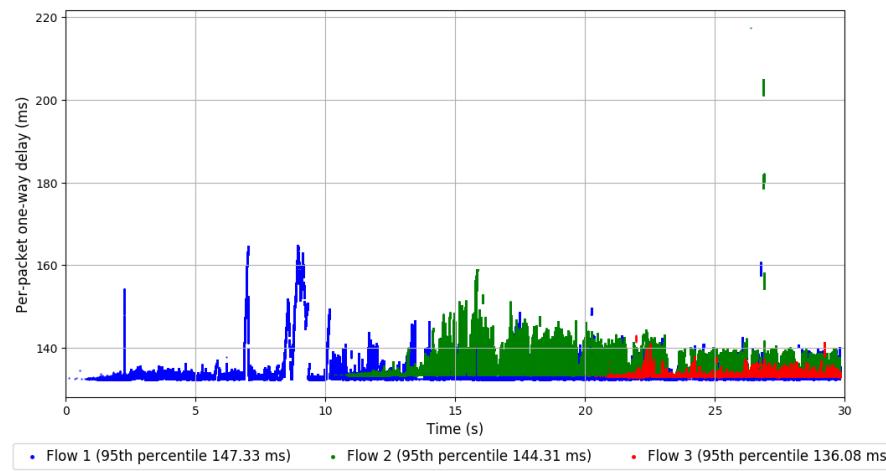
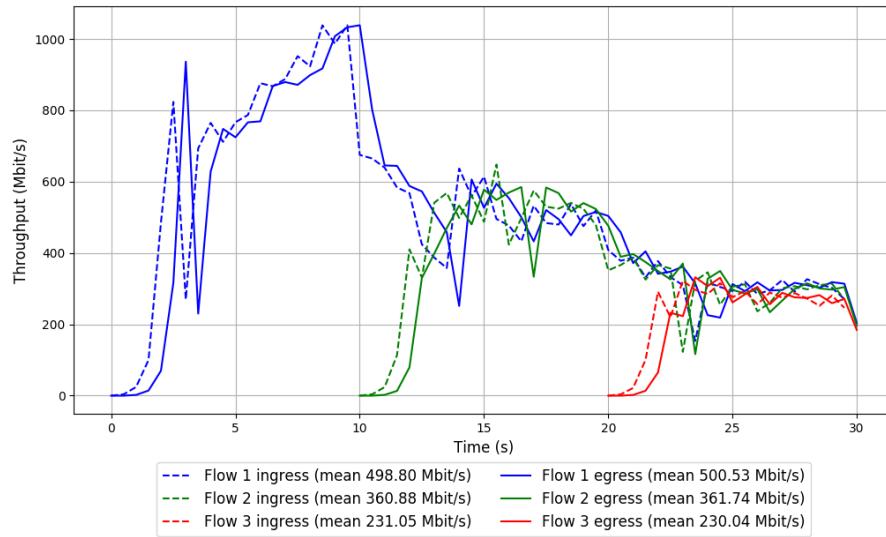


Run 2: Statistics of FillP-Sheep

```
Start at: 2018-11-30 19:18:32
End at: 2018-11-30 19:19:02
Local clock offset: -0.204 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-11-30 22:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 814.79 Mbit/s
95th percentile per-packet one-way delay: 144.769 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 500.53 Mbit/s
95th percentile per-packet one-way delay: 147.326 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 361.74 Mbit/s
95th percentile per-packet one-way delay: 144.307 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 230.04 Mbit/s
95th percentile per-packet one-way delay: 136.082 ms
Loss rate: 3.01%
```

Run 2: Report of FillP-Sheep — Data Link

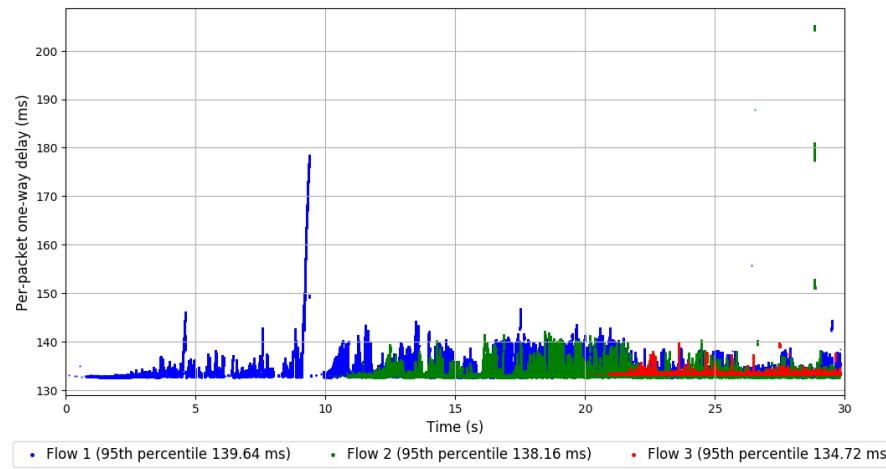
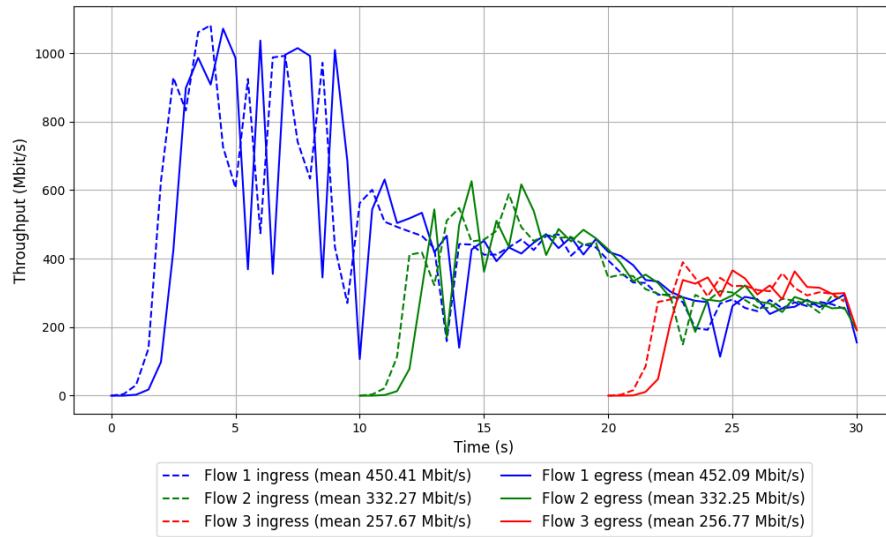


Run 3: Statistics of FillP-Sheep

```
Start at: 2018-11-30 19:54:26
End at: 2018-11-30 19:54:56
Local clock offset: -0.506 ms
Remote clock offset: -0.473 ms

# Below is generated by plot.py at 2018-11-30 22:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 755.70 Mbit/s
95th percentile per-packet one-way delay: 138.943 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 452.09 Mbit/s
95th percentile per-packet one-way delay: 139.637 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 332.25 Mbit/s
95th percentile per-packet one-way delay: 138.162 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 256.77 Mbit/s
95th percentile per-packet one-way delay: 134.718 ms
Loss rate: 3.02%
```

Run 3: Report of FillP-Sheep — Data Link

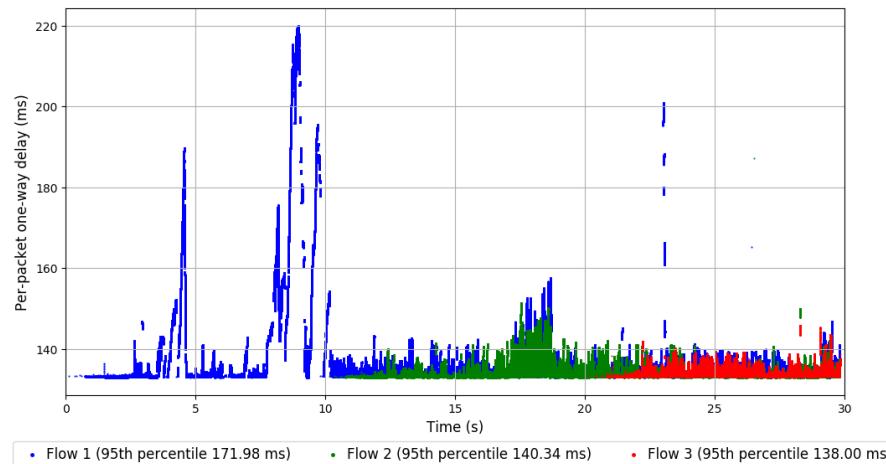
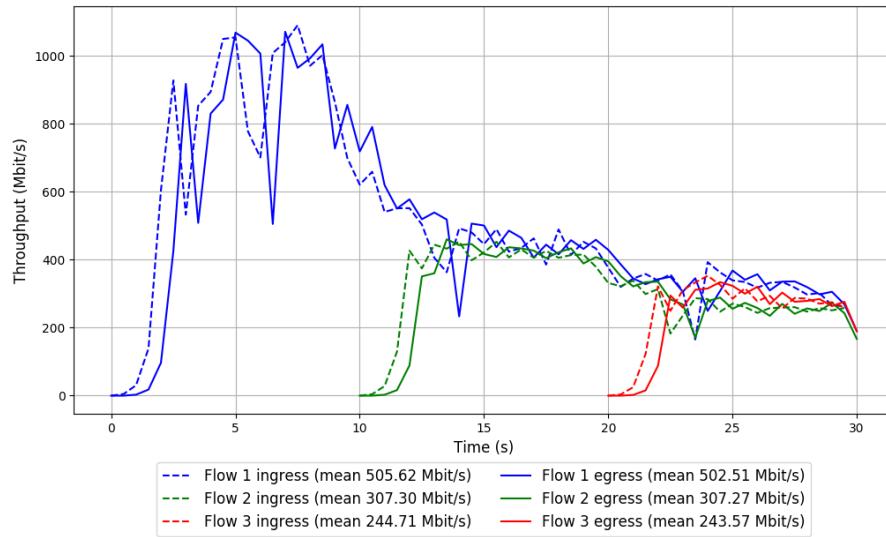


Run 4: Statistics of FillP-Sheep

```
Start at: 2018-11-30 20:32:14
End at: 2018-11-30 20:32:44
Local clock offset: -0.284 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-11-30 22:32:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.21 Mbit/s
95th percentile per-packet one-way delay: 157.593 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 502.51 Mbit/s
95th percentile per-packet one-way delay: 171.983 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 307.27 Mbit/s
95th percentile per-packet one-way delay: 140.341 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 243.57 Mbit/s
95th percentile per-packet one-way delay: 137.999 ms
Loss rate: 3.05%
```

Run 4: Report of FillP-Sheep — Data Link

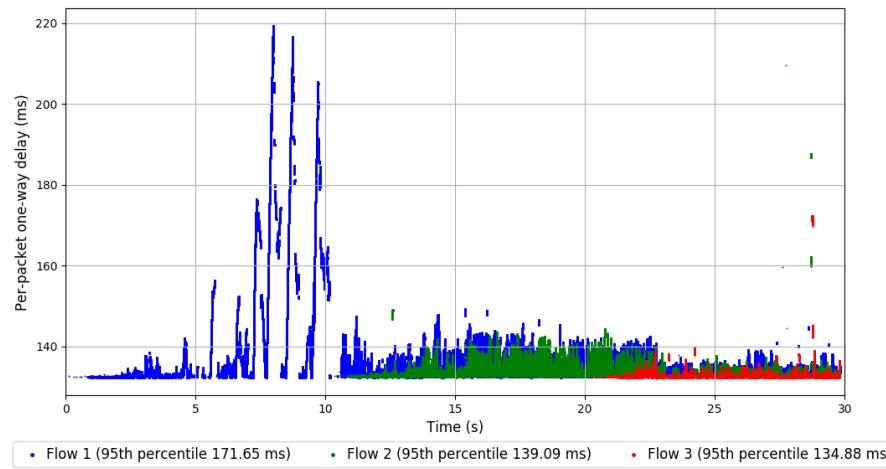
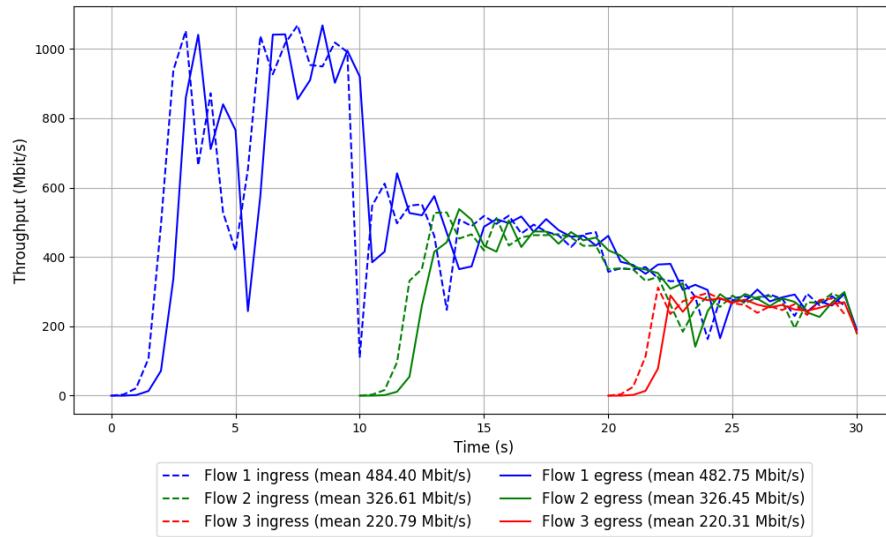


Run 5: Statistics of FillP-Sheep

```
Start at: 2018-11-30 21:10:38
End at: 2018-11-30 21:11:08
Local clock offset: -0.512 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-11-30 22:33:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 770.77 Mbit/s
95th percentile per-packet one-way delay: 162.181 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 482.75 Mbit/s
95th percentile per-packet one-way delay: 171.649 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 326.45 Mbit/s
95th percentile per-packet one-way delay: 139.094 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 220.31 Mbit/s
95th percentile per-packet one-way delay: 134.882 ms
Loss rate: 2.98%
```

Run 5: Report of FillP-Sheep — Data Link

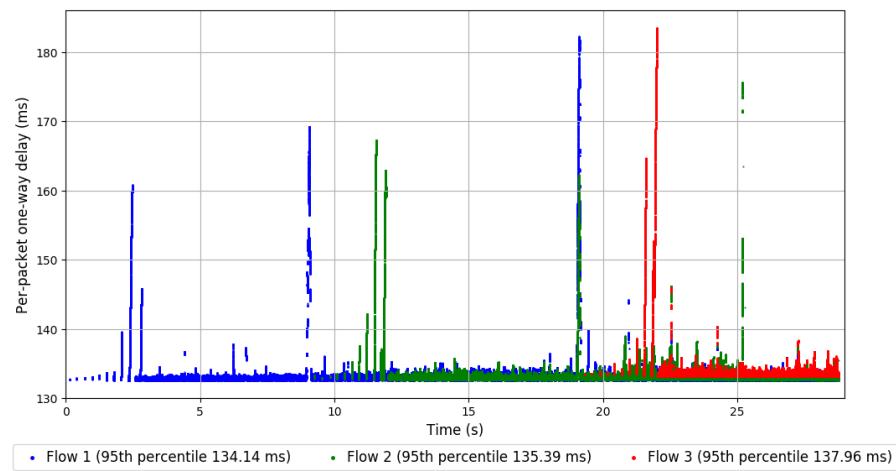
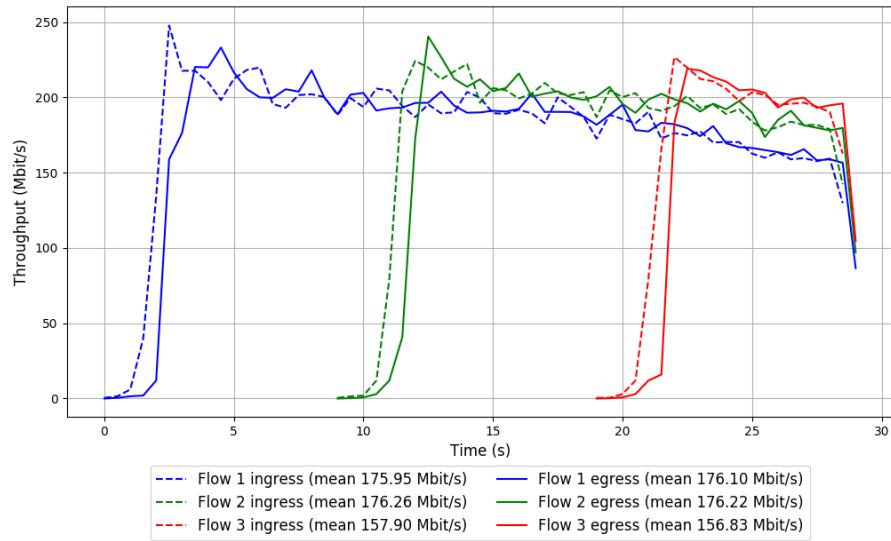


Run 1: Statistics of Indigo

```
Start at: 2018-11-30 18:29:08
End at: 2018-11-30 18:29:38
Local clock offset: -0.496 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2018-11-30 22:33:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 347.95 Mbit/s
95th percentile per-packet one-way delay: 134.862 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 176.10 Mbit/s
95th percentile per-packet one-way delay: 134.139 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 176.22 Mbit/s
95th percentile per-packet one-way delay: 135.393 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 156.83 Mbit/s
95th percentile per-packet one-way delay: 137.957 ms
Loss rate: 3.40%
```

Run 1: Report of Indigo — Data Link

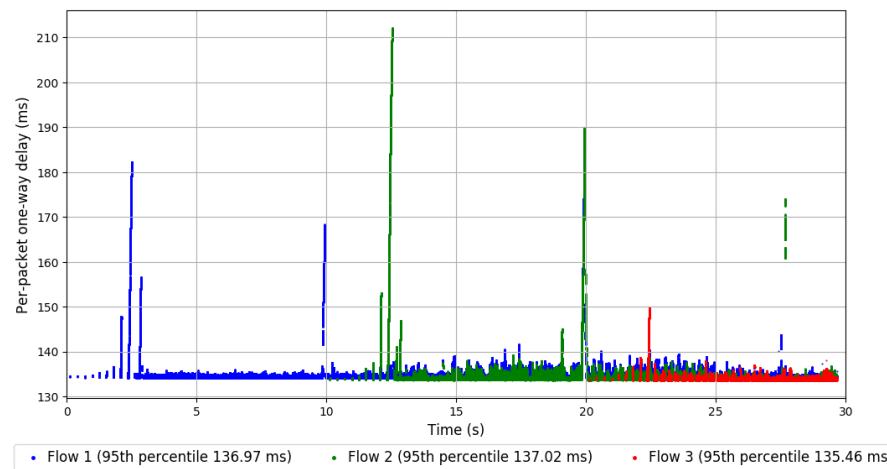
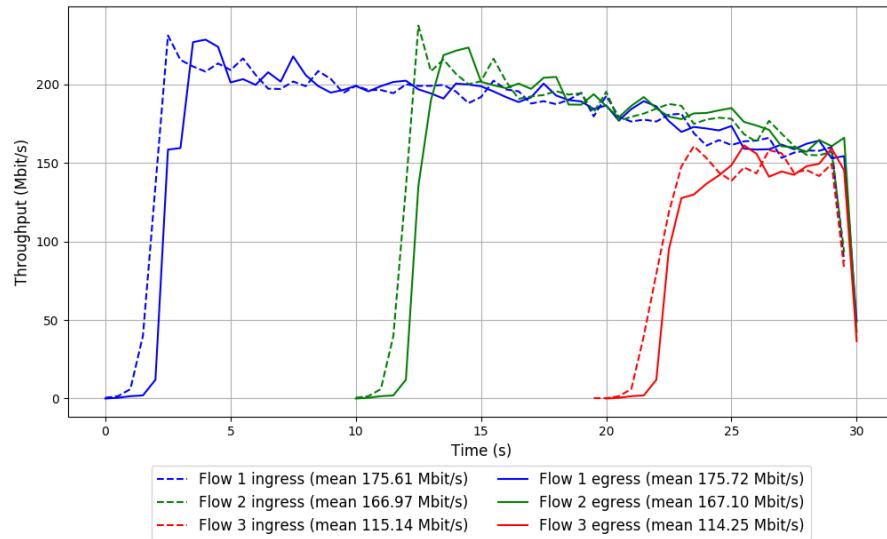


Run 2: Statistics of Indigo

```
Start at: 2018-11-30 19:06:17
End at: 2018-11-30 19:06:47
Local clock offset: 0.245 ms
Remote clock offset: -0.468 ms

# Below is generated by plot.py at 2018-11-30 22:40:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.08 Mbit/s
95th percentile per-packet one-way delay: 136.869 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 175.72 Mbit/s
95th percentile per-packet one-way delay: 136.975 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 167.10 Mbit/s
95th percentile per-packet one-way delay: 137.019 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 114.25 Mbit/s
95th percentile per-packet one-way delay: 135.455 ms
Loss rate: 3.47%
```

Run 2: Report of Indigo — Data Link

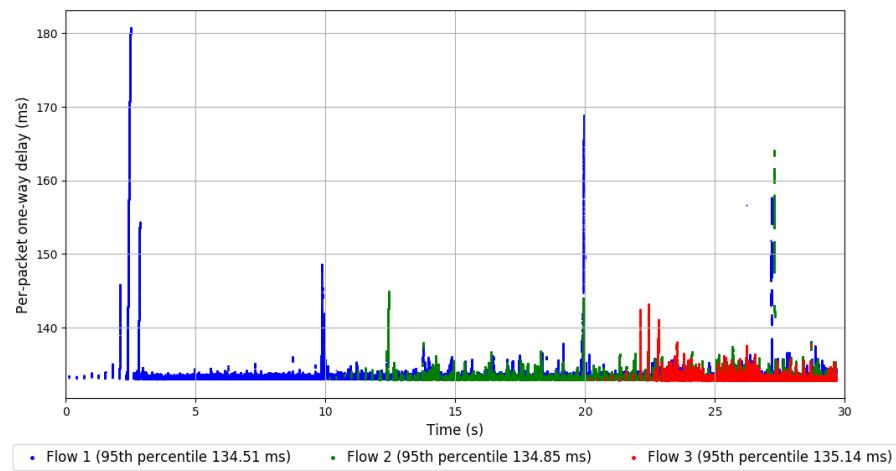
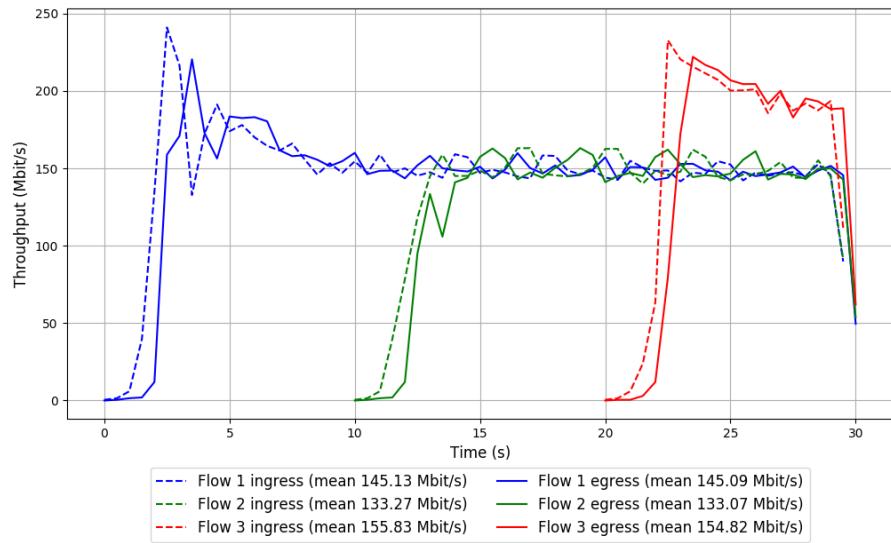


Run 3: Statistics of Indigo

```
Start at: 2018-11-30 19:43:23
End at: 2018-11-30 19:43:53
Local clock offset: 0.07 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-11-30 22:40:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.81 Mbit/s
95th percentile per-packet one-way delay: 134.779 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 145.09 Mbit/s
95th percentile per-packet one-way delay: 134.509 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 133.07 Mbit/s
95th percentile per-packet one-way delay: 134.851 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 154.82 Mbit/s
95th percentile per-packet one-way delay: 135.138 ms
Loss rate: 3.36%
```

Run 3: Report of Indigo — Data Link

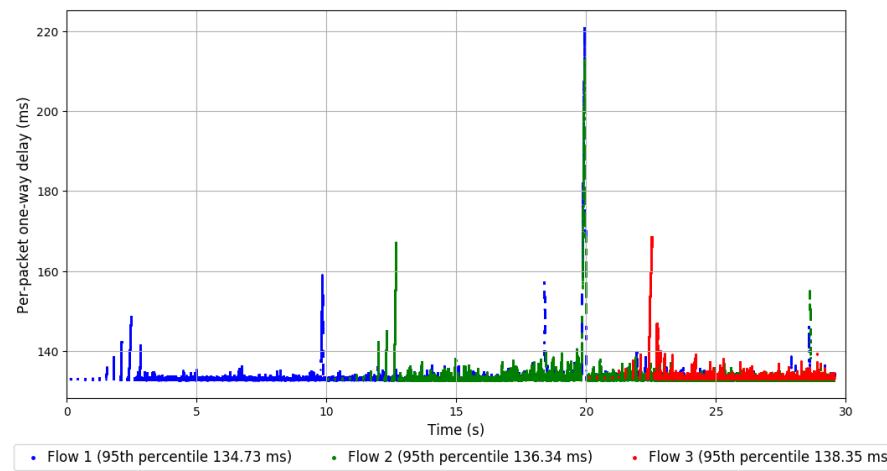
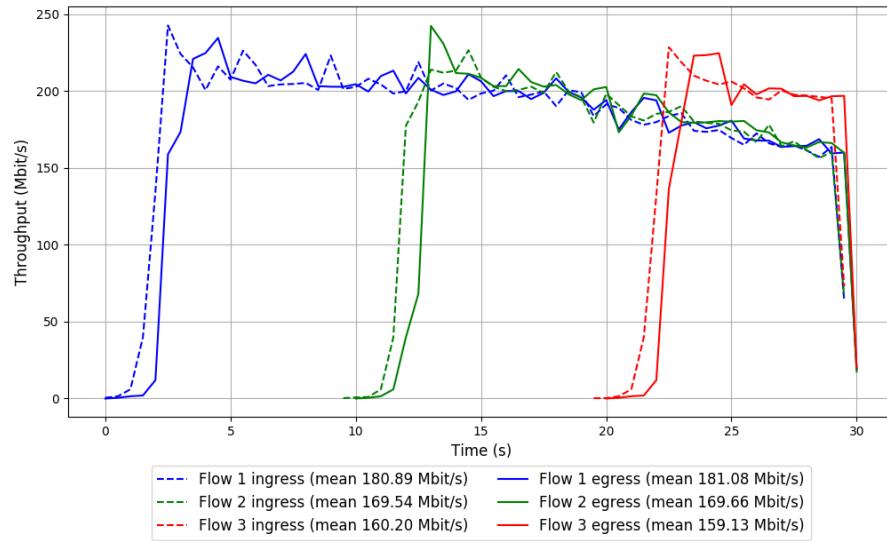


Run 4: Statistics of Indigo

```
Start at: 2018-11-30 20:19:35
End at: 2018-11-30 20:20:05
Local clock offset: -0.02 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-11-30 22:41:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.56 Mbit/s
95th percentile per-packet one-way delay: 135.966 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 181.08 Mbit/s
95th percentile per-packet one-way delay: 134.733 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 169.66 Mbit/s
95th percentile per-packet one-way delay: 136.342 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 159.13 Mbit/s
95th percentile per-packet one-way delay: 138.351 ms
Loss rate: 3.39%
```

Run 4: Report of Indigo — Data Link

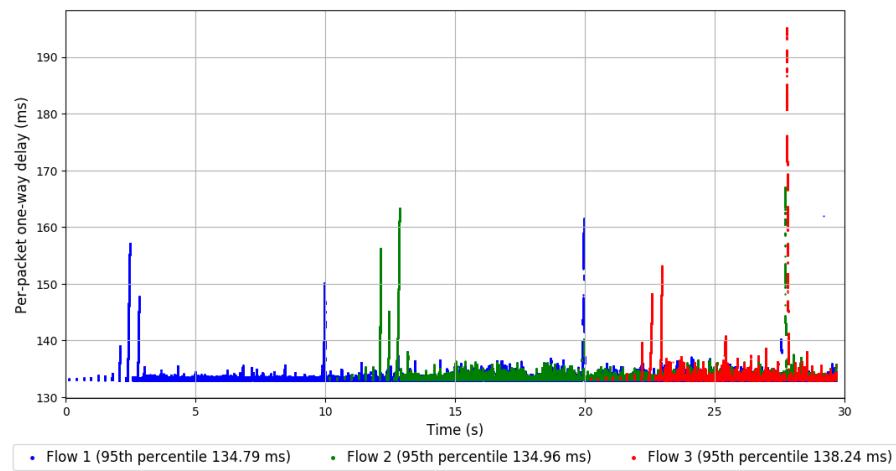
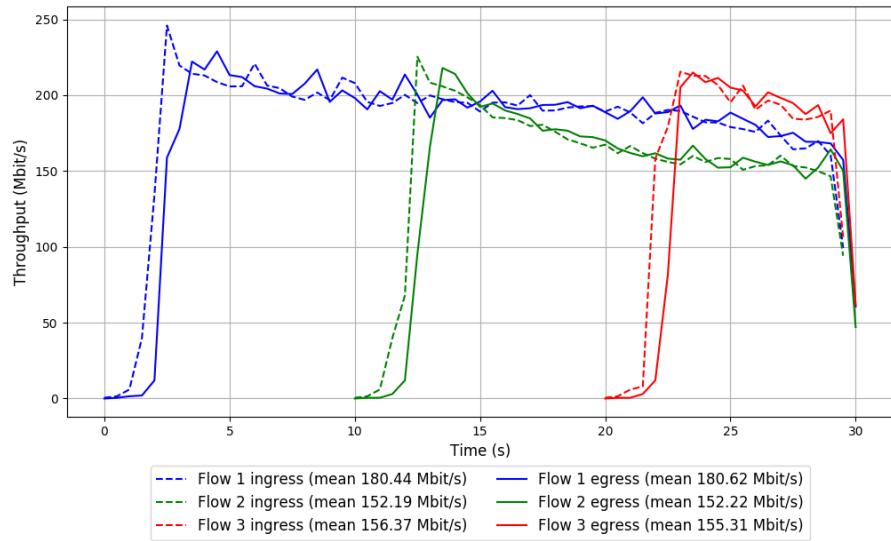


Run 5: Statistics of Indigo

```
Start at: 2018-11-30 20:58:20
End at: 2018-11-30 20:58:50
Local clock offset: -0.096 ms
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2018-11-30 22:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.80 Mbit/s
95th percentile per-packet one-way delay: 135.137 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 180.62 Mbit/s
95th percentile per-packet one-way delay: 134.790 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 152.22 Mbit/s
95th percentile per-packet one-way delay: 134.960 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 155.31 Mbit/s
95th percentile per-packet one-way delay: 138.239 ms
Loss rate: 3.23%
```

Run 5: Report of Indigo — Data Link

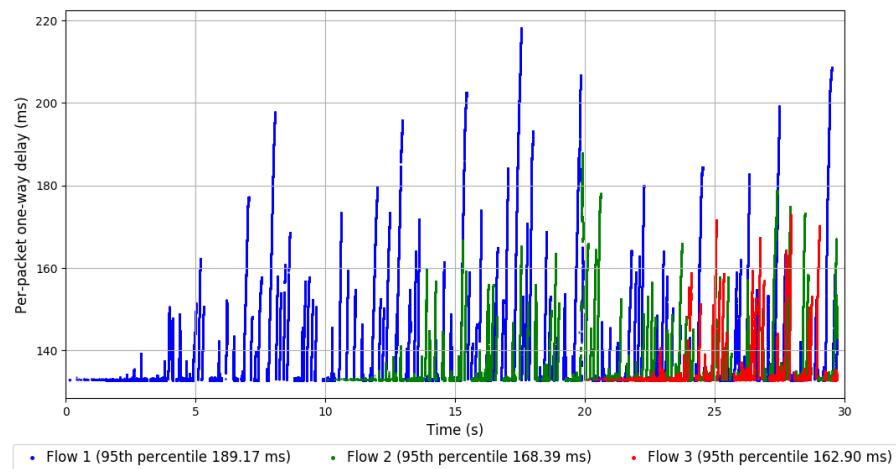
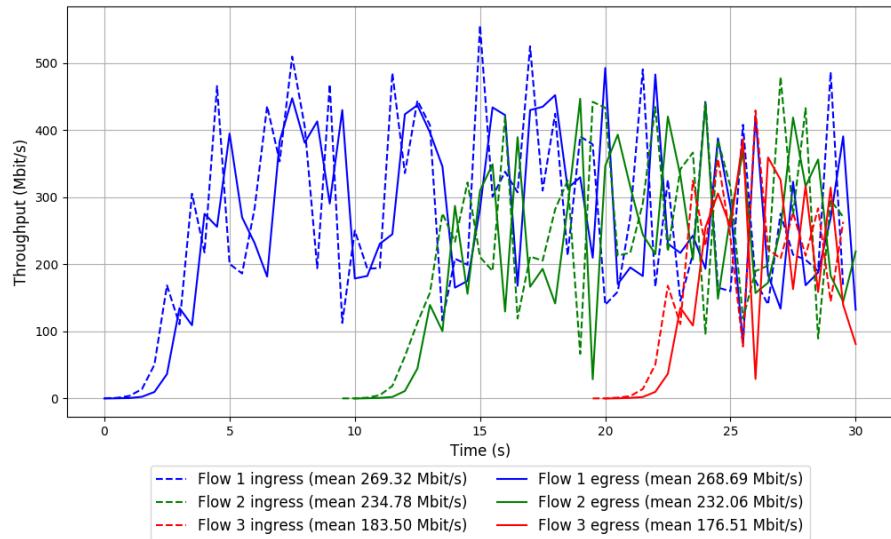


```
Run 1: Statistics of Indigo-96d2da3
```

```
Start at: 2018-11-30 18:31:06
End at: 2018-11-30 18:31:36
Local clock offset: -0.214 ms
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2018-11-30 22:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 480.05 Mbit/s
95th percentile per-packet one-way delay: 179.068 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 268.69 Mbit/s
95th percentile per-packet one-way delay: 189.167 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 232.06 Mbit/s
95th percentile per-packet one-way delay: 168.390 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 176.51 Mbit/s
95th percentile per-packet one-way delay: 162.896 ms
Loss rate: 6.41%
```

Run 1: Report of Indigo-96d2da3 — Data Link

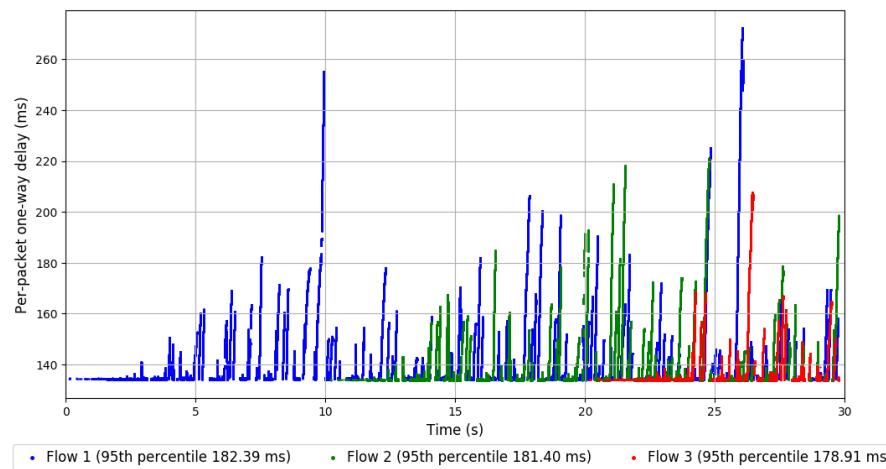
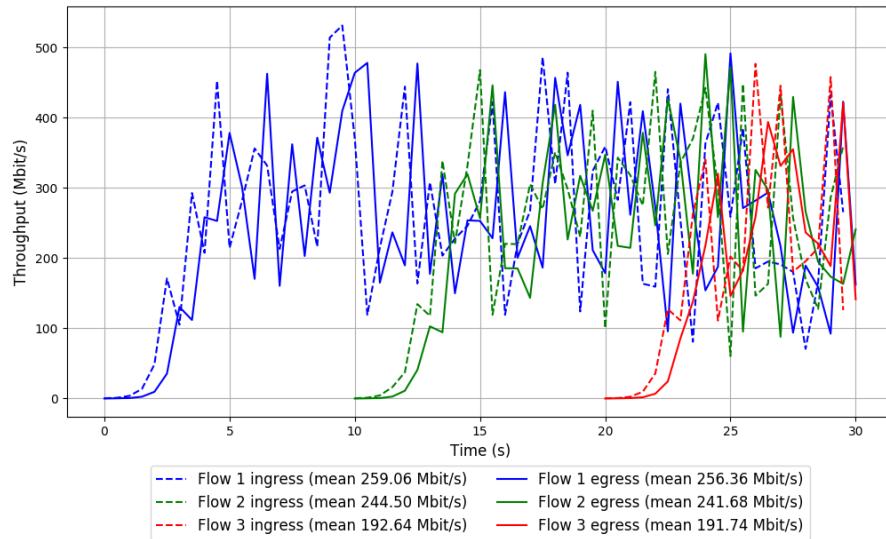


Run 2: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 19:08:27
End at: 2018-11-30 19:08:57
Local clock offset: 0.21 ms
Remote clock offset: -0.449 ms

# Below is generated by plot.py at 2018-11-30 22:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 477.86 Mbit/s
95th percentile per-packet one-way delay: 181.705 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 256.36 Mbit/s
95th percentile per-packet one-way delay: 182.386 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 241.68 Mbit/s
95th percentile per-packet one-way delay: 181.404 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 191.74 Mbit/s
95th percentile per-packet one-way delay: 178.906 ms
Loss rate: 2.20%
```

Run 2: Report of Indigo-96d2da3 — Data Link

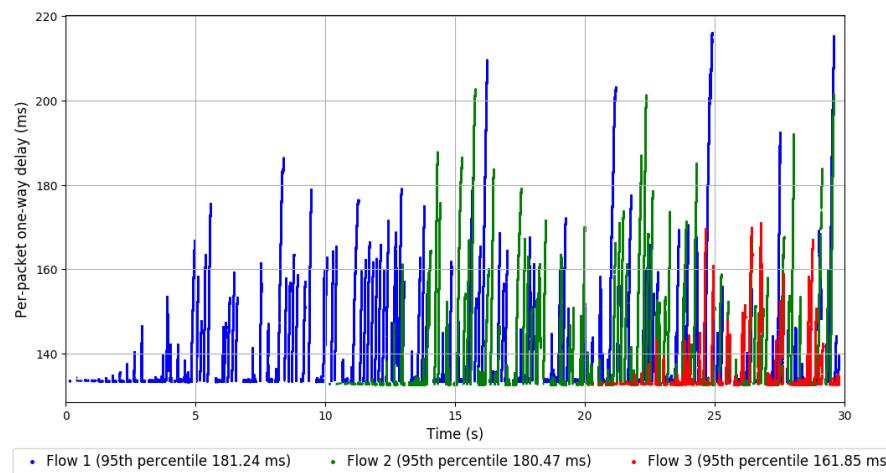
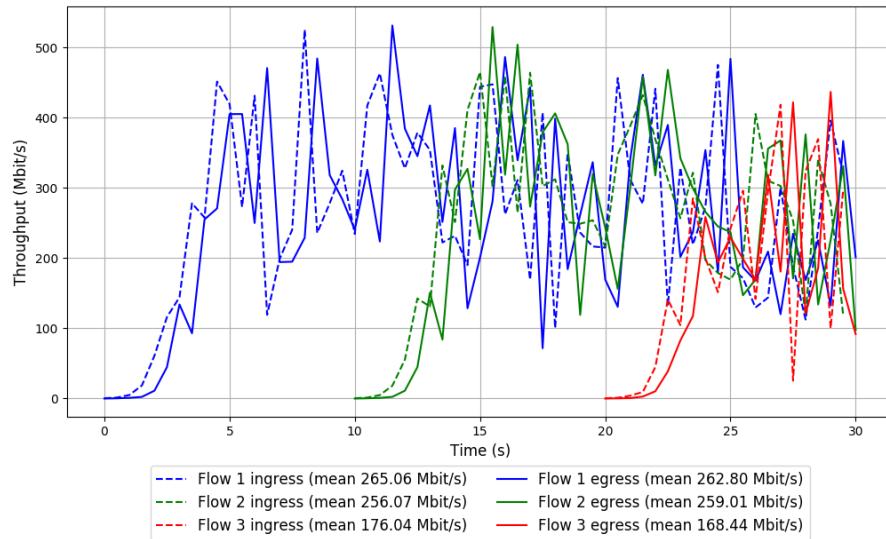


```
Run 3: Statistics of Indigo-96d2da3
```

```
Start at: 2018-11-30 19:45:35
End at: 2018-11-30 19:46:05
Local clock offset: -0.123 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-11-30 22:42:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 486.86 Mbit/s
95th percentile per-packet one-way delay: 178.820 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 262.80 Mbit/s
95th percentile per-packet one-way delay: 181.235 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 259.01 Mbit/s
95th percentile per-packet one-way delay: 180.475 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 168.44 Mbit/s
95th percentile per-packet one-way delay: 161.853 ms
Loss rate: 6.84%
```

Run 3: Report of Indigo-96d2da3 — Data Link

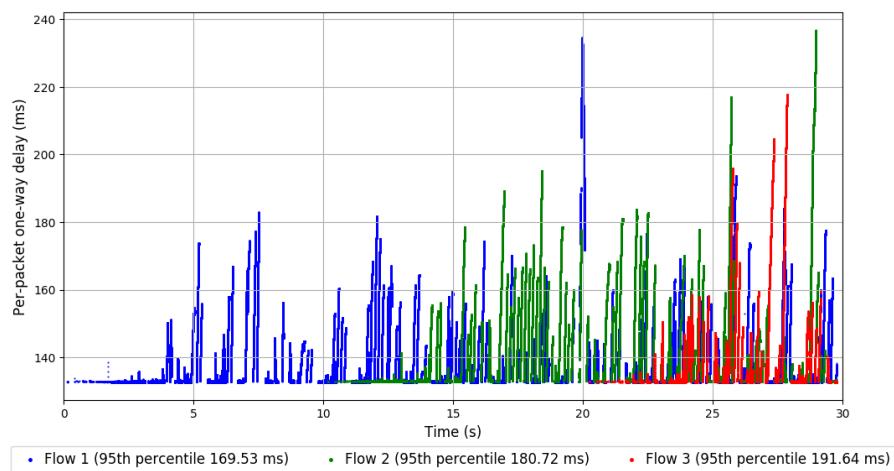
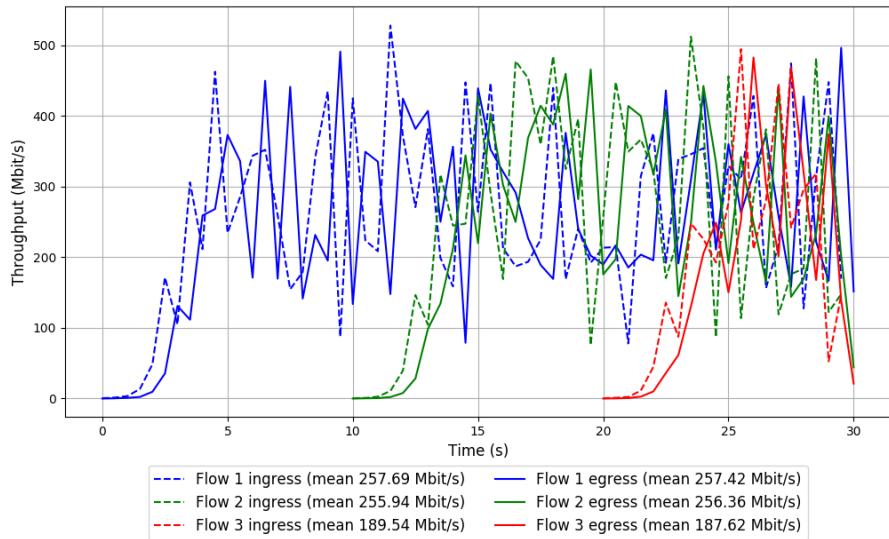


Run 4: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 20:21:57
End at: 2018-11-30 20:22:27
Local clock offset: -0.013 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-11-30 22:43:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 487.26 Mbit/s
95th percentile per-packet one-way delay: 176.507 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 257.42 Mbit/s
95th percentile per-packet one-way delay: 169.527 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 256.36 Mbit/s
95th percentile per-packet one-way delay: 180.723 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 187.62 Mbit/s
95th percentile per-packet one-way delay: 191.641 ms
Loss rate: 3.70%
```

Run 4: Report of Indigo-96d2da3 — Data Link

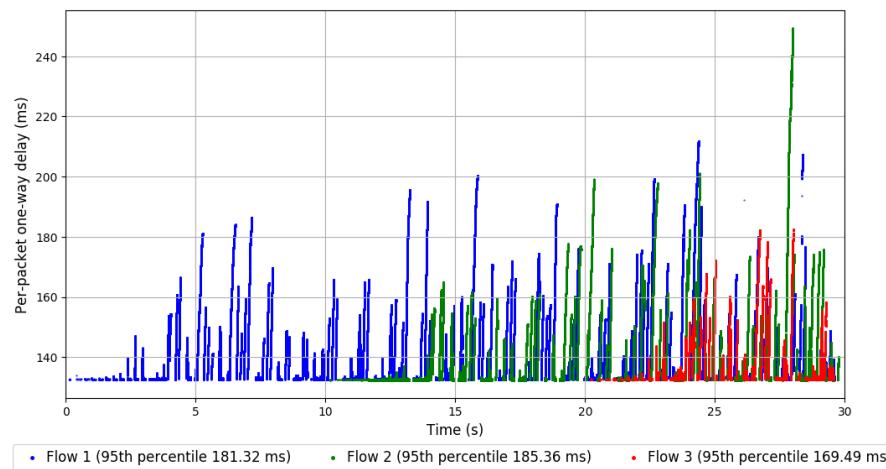
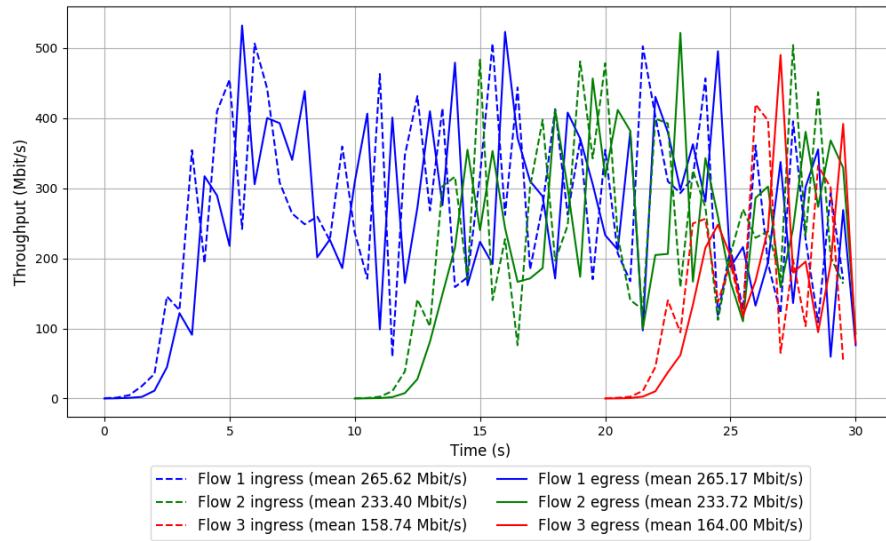


Run 5: Statistics of Indigo-96d2da3

```
Start at: 2018-11-30 21:00:19
End at: 2018-11-30 21:00:49
Local clock offset: -0.117 ms
Remote clock offset: 0.311 ms

# Below is generated by plot.py at 2018-11-30 22:47:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.97 Mbit/s
95th percentile per-packet one-way delay: 180.346 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 265.17 Mbit/s
95th percentile per-packet one-way delay: 181.316 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 233.72 Mbit/s
95th percentile per-packet one-way delay: 185.357 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 164.00 Mbit/s
95th percentile per-packet one-way delay: 169.488 ms
Loss rate: 1.72%
```

Run 5: Report of Indigo-96d2da3 — Data Link

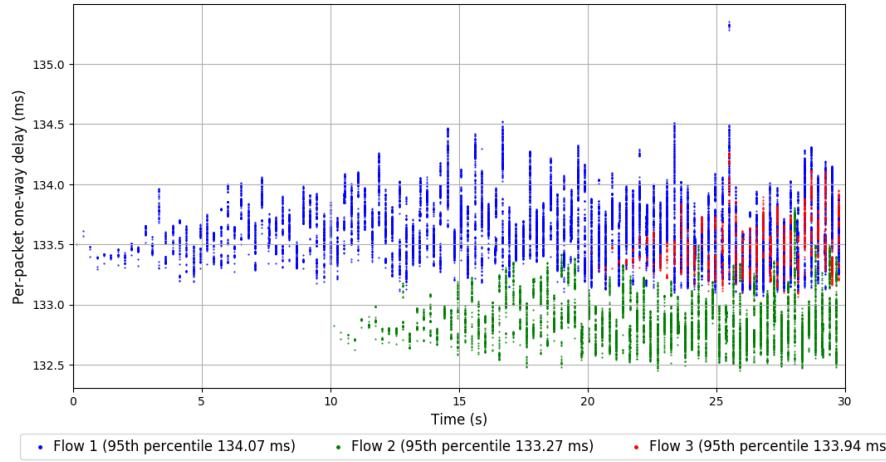
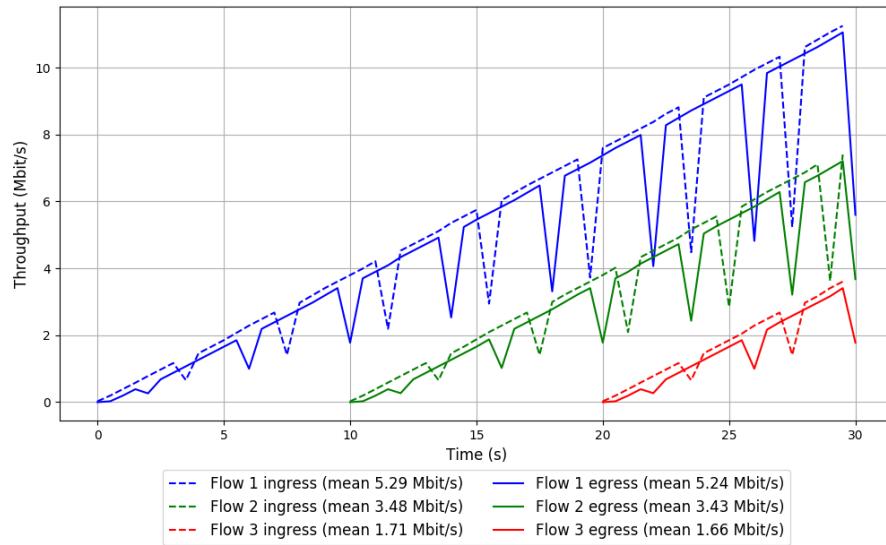


Run 1: Statistics of LEDBAT

```
Start at: 2018-11-30 18:49:59
End at: 2018-11-30 18:50:29
Local clock offset: -0.427 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-11-30 22:47:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 134.007 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 134.073 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 133.266 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.945 ms
Loss rate: 5.40%
```

Run 1: Report of LEDBAT — Data Link

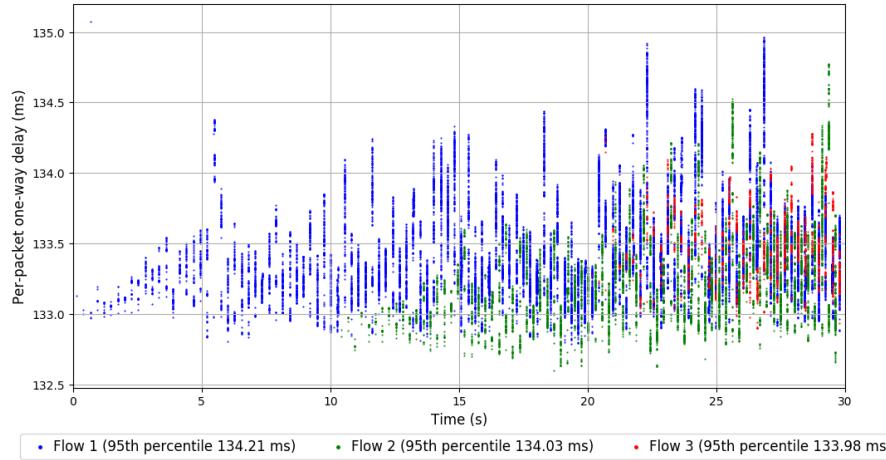
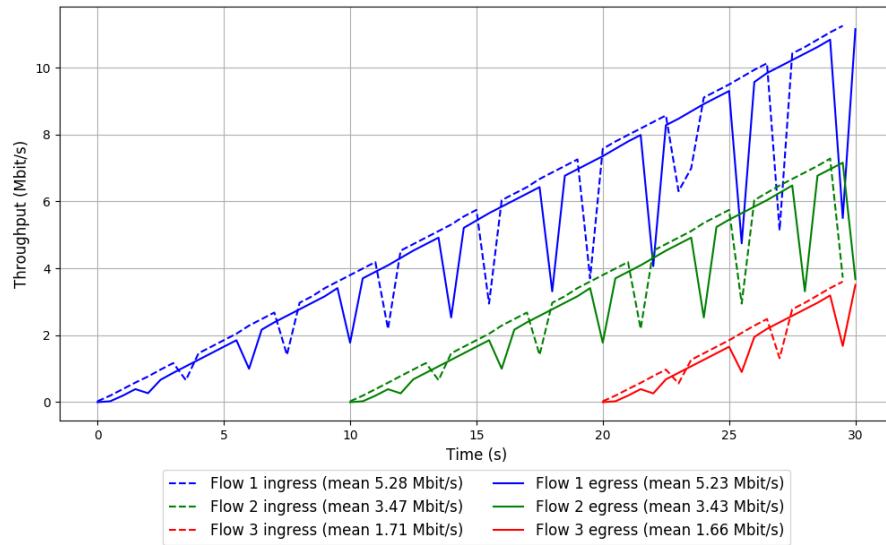


Run 2: Statistics of LEDBAT

```
Start at: 2018-11-30 19:28:10
End at: 2018-11-30 19:28:40
Local clock offset: -0.429 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-11-30 22:47:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 134.126 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 134.209 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 134.027 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.984 ms
Loss rate: 5.40%
```

Run 2: Report of LEDBAT — Data Link

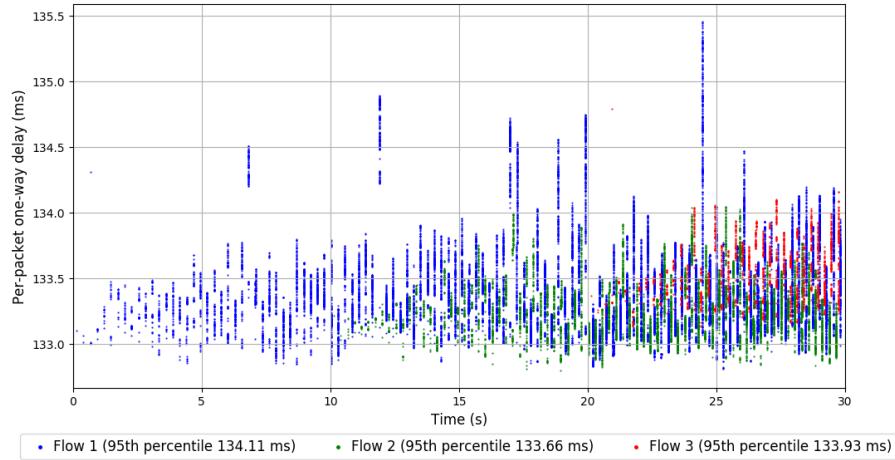
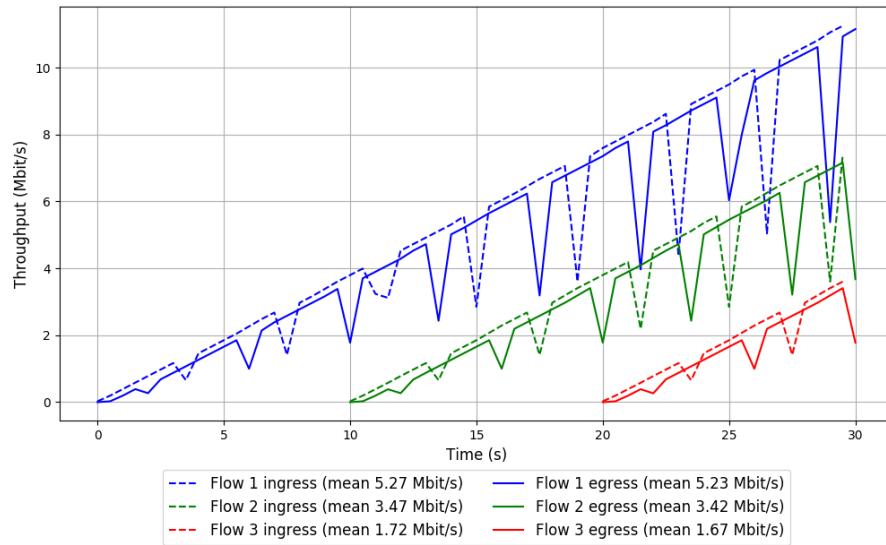


Run 3: Statistics of LEDBAT

```
Start at: 2018-11-30 20:03:51
End at: 2018-11-30 20:04:21
Local clock offset: -0.054 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-11-30 22:47:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 133.969 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 134.113 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 133.661 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 133.925 ms
Loss rate: 5.40%
```

Run 3: Report of LEDBAT — Data Link

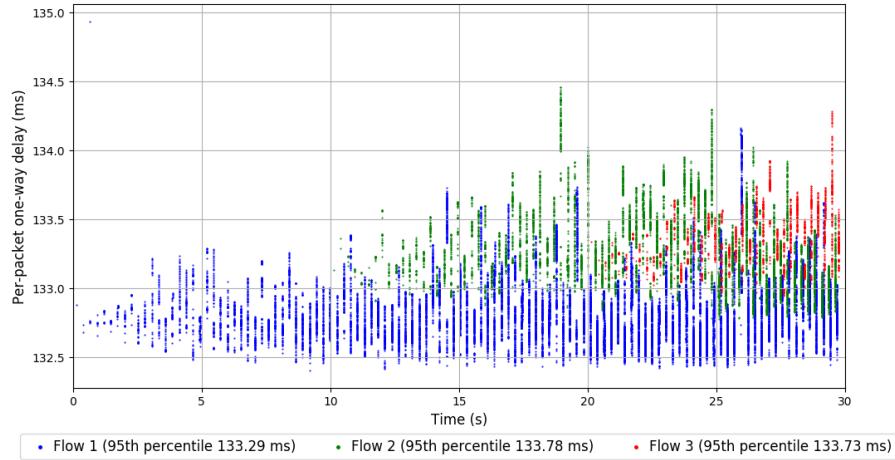
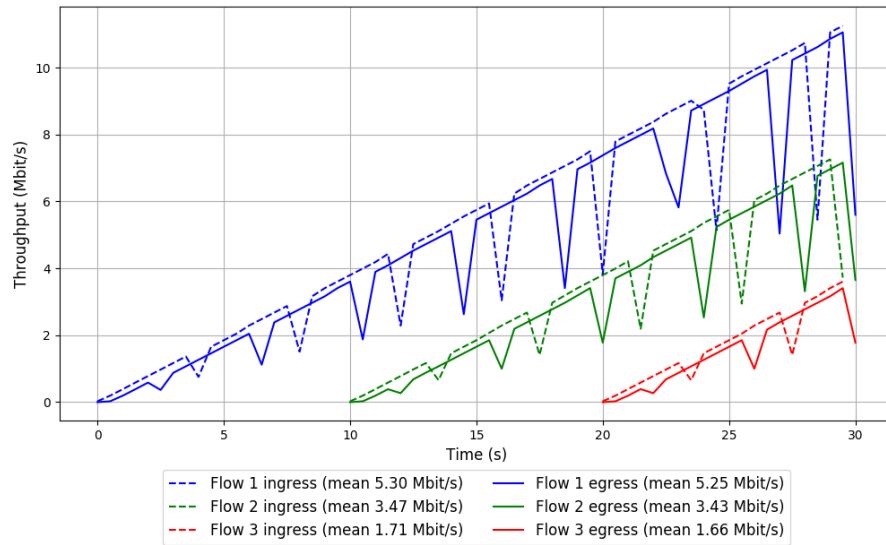


Run 4: Statistics of LEDBAT

```
Start at: 2018-11-30 20:42:21
End at: 2018-11-30 20:42:51
Local clock offset: 0.113 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-11-30 22:47:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 133.628 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 133.292 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 133.785 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.734 ms
Loss rate: 5.40%
```

Run 4: Report of LEDBAT — Data Link

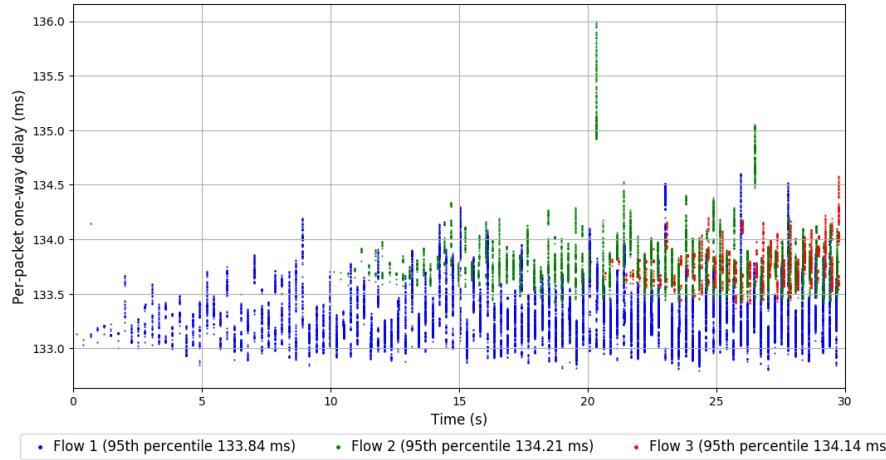
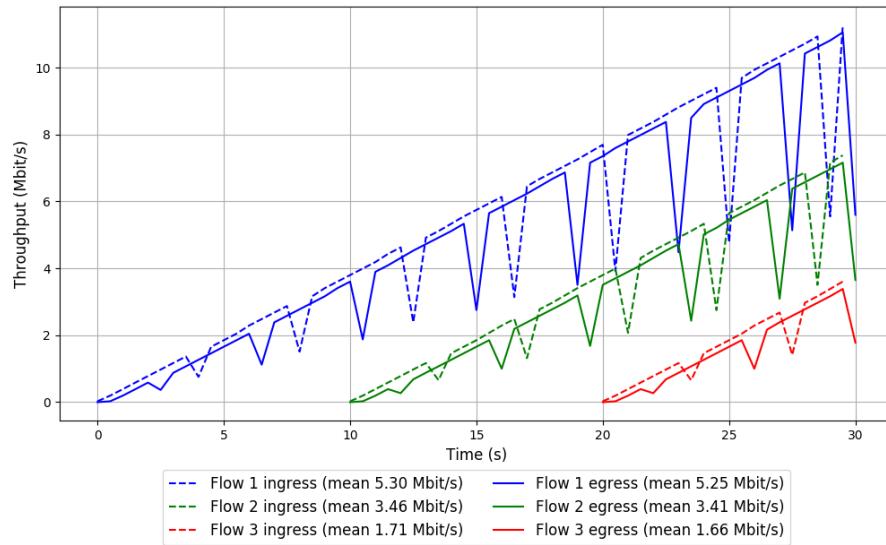


Run 5: Statistics of LEDBAT

```
Start at: 2018-11-30 21:20:34
End at: 2018-11-30 21:21:04
Local clock offset: -0.162 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-11-30 22:47:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 134.047 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 133.840 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 134.213 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 134.137 ms
Loss rate: 5.41%
```

Run 5: Report of LEDBAT — Data Link

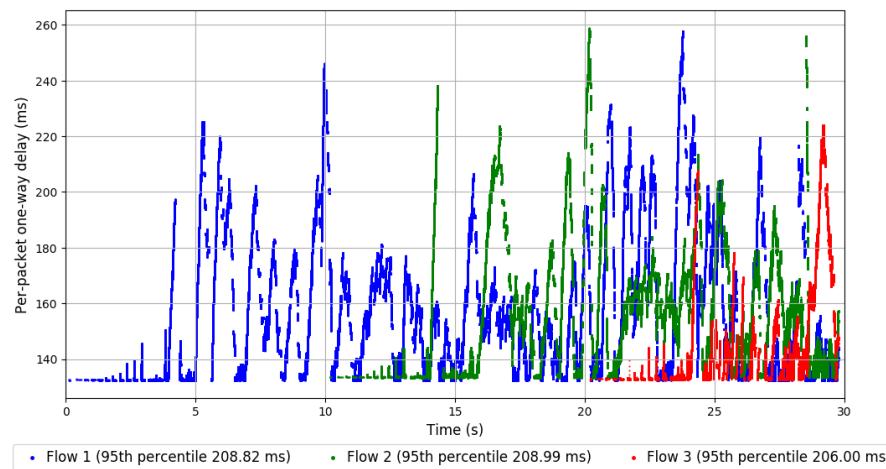
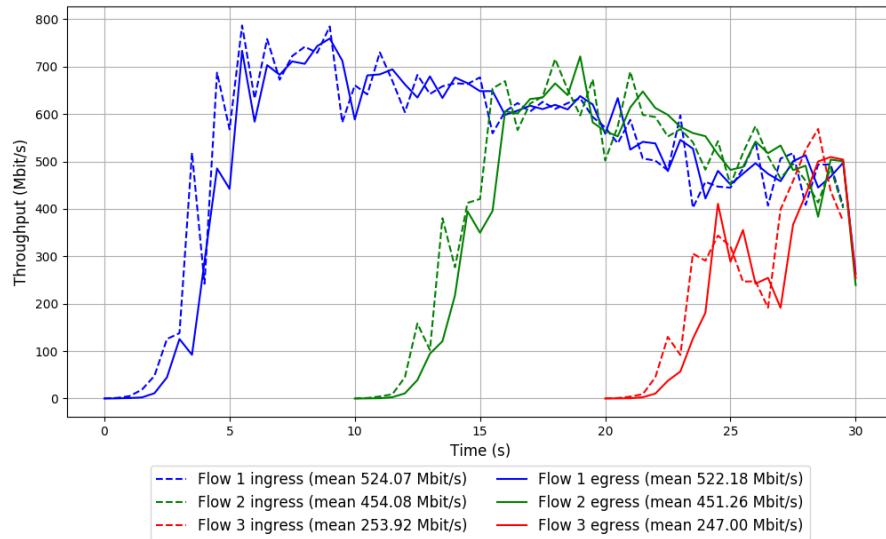


Run 1: Statistics of Indigo-Muses

```
Start at: 2018-11-30 18:47:35
End at: 2018-11-30 18:48:05
Local clock offset: -0.187 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-11-30 22:58:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 899.97 Mbit/s
95th percentile per-packet one-way delay: 208.751 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 522.18 Mbit/s
95th percentile per-packet one-way delay: 208.816 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 451.26 Mbit/s
95th percentile per-packet one-way delay: 208.993 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 247.00 Mbit/s
95th percentile per-packet one-way delay: 206.002 ms
Loss rate: 5.37%
```

Run 1: Report of Indigo-Muses — Data Link

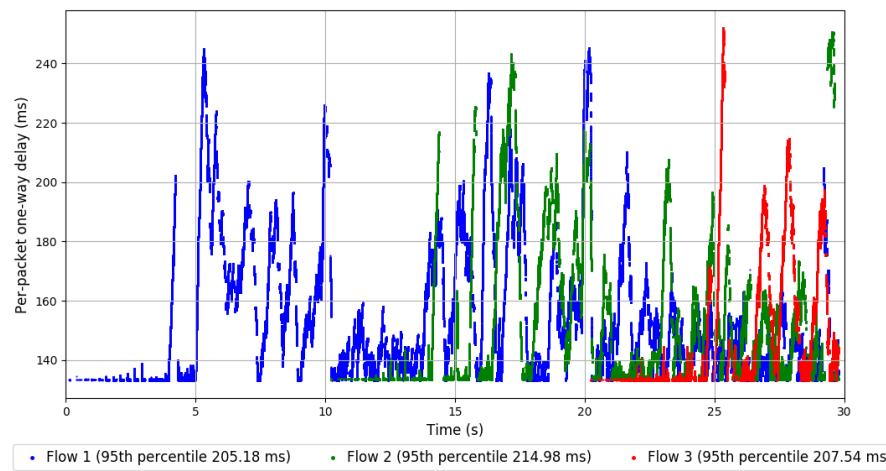
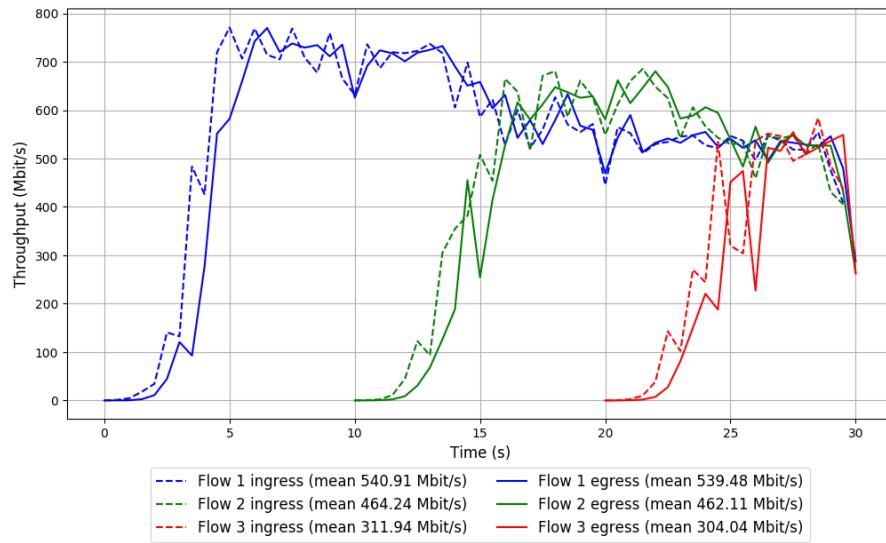


Run 2: Statistics of Indigo-Muses

```
Start at: 2018-11-30 19:25:42
End at: 2018-11-30 19:26:12
Local clock offset: -0.175 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-11-30 22:59:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 942.26 Mbit/s
95th percentile per-packet one-way delay: 209.050 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 539.48 Mbit/s
95th percentile per-packet one-way delay: 205.184 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 462.11 Mbit/s
95th percentile per-packet one-way delay: 214.980 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 304.04 Mbit/s
95th percentile per-packet one-way delay: 207.545 ms
Loss rate: 5.13%
```

Run 2: Report of Indigo-Muses — Data Link

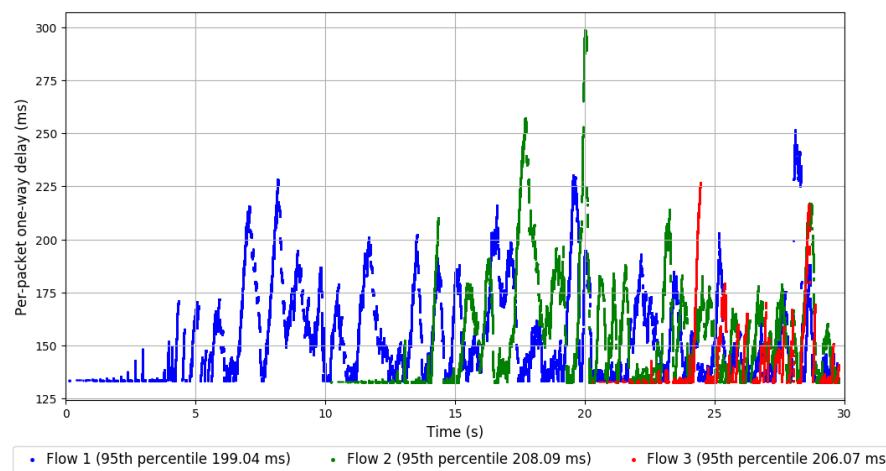
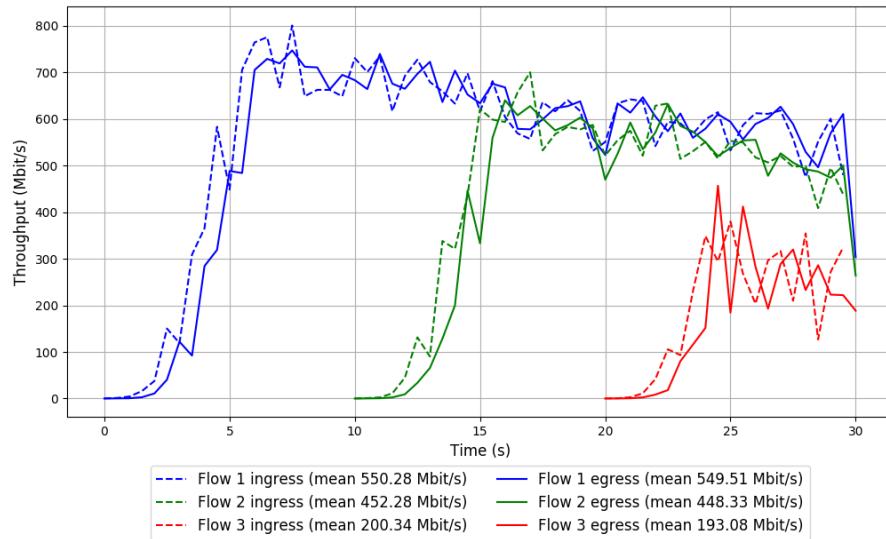


Run 3: Statistics of Indigo-Muses

```
Start at: 2018-11-30 20:01:36
End at: 2018-11-30 20:02:06
Local clock offset: -0.048 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-11-30 22:59:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 907.13 Mbit/s
95th percentile per-packet one-way delay: 203.070 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 549.51 Mbit/s
95th percentile per-packet one-way delay: 199.036 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 448.33 Mbit/s
95th percentile per-packet one-way delay: 208.086 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 193.08 Mbit/s
95th percentile per-packet one-way delay: 206.067 ms
Loss rate: 5.51%
```

Run 3: Report of Indigo-Muses — Data Link

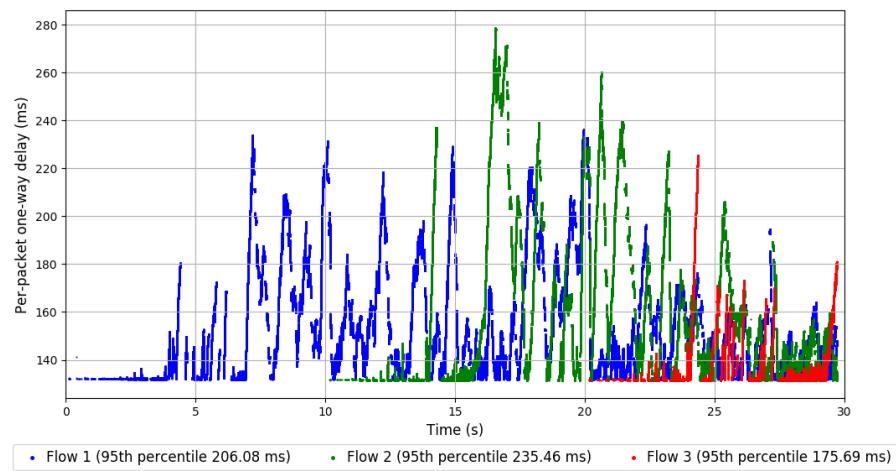
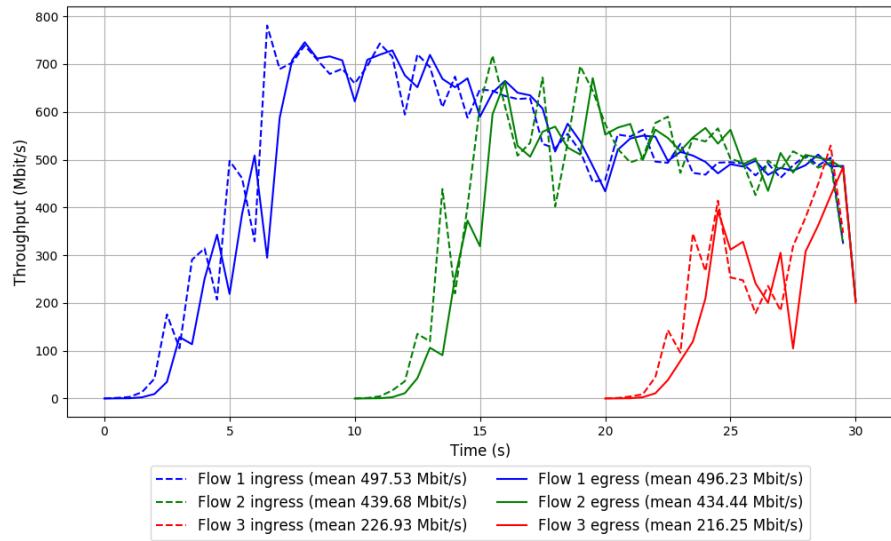


Run 4: Statistics of Indigo-Muses

```
Start at: 2018-11-30 20:39:45
End at: 2018-11-30 20:40:15
Local clock offset: -0.498 ms
Remote clock offset: 0.262 ms

# Below is generated by plot.py at 2018-11-30 22:59:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 852.92 Mbit/s
95th percentile per-packet one-way delay: 220.347 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 496.23 Mbit/s
95th percentile per-packet one-way delay: 206.078 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 434.44 Mbit/s
95th percentile per-packet one-way delay: 235.462 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 216.25 Mbit/s
95th percentile per-packet one-way delay: 175.688 ms
Loss rate: 7.25%
```

Run 4: Report of Indigo-Muses — Data Link

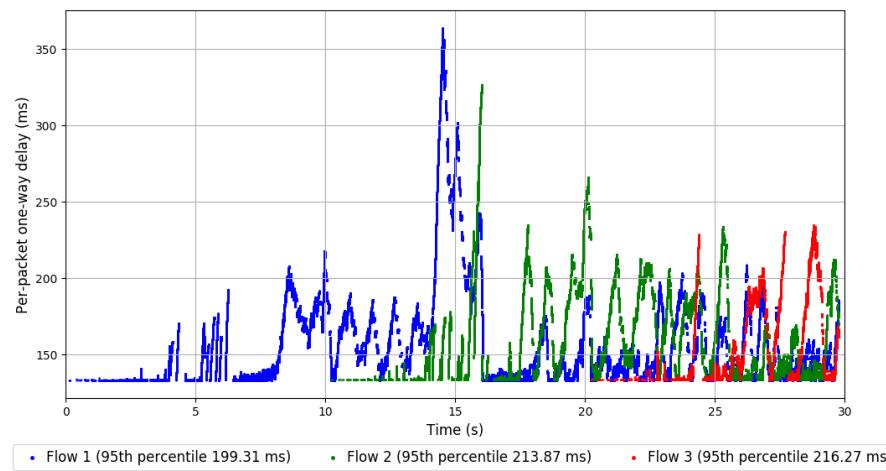
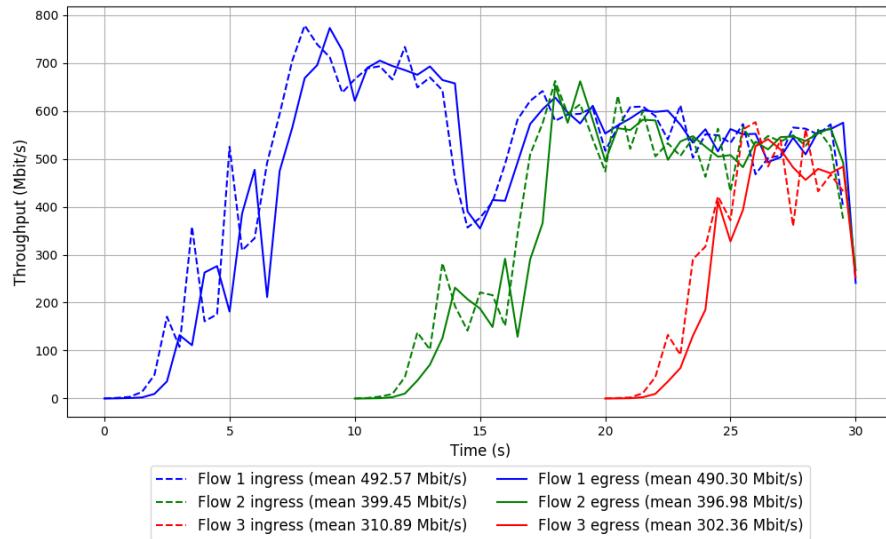


Run 5: Statistics of Indigo-Muses

```
Start at: 2018-11-30 21:18:08
End at: 2018-11-30 21:18:38
Local clock offset: 0.323 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-11-30 22:59:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 849.40 Mbit/s
95th percentile per-packet one-way delay: 209.153 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 490.30 Mbit/s
95th percentile per-packet one-way delay: 199.312 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 396.98 Mbit/s
95th percentile per-packet one-way delay: 213.874 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 302.36 Mbit/s
95th percentile per-packet one-way delay: 216.269 ms
Loss rate: 5.39%
```

Run 5: Report of Indigo-Muses — Data Link

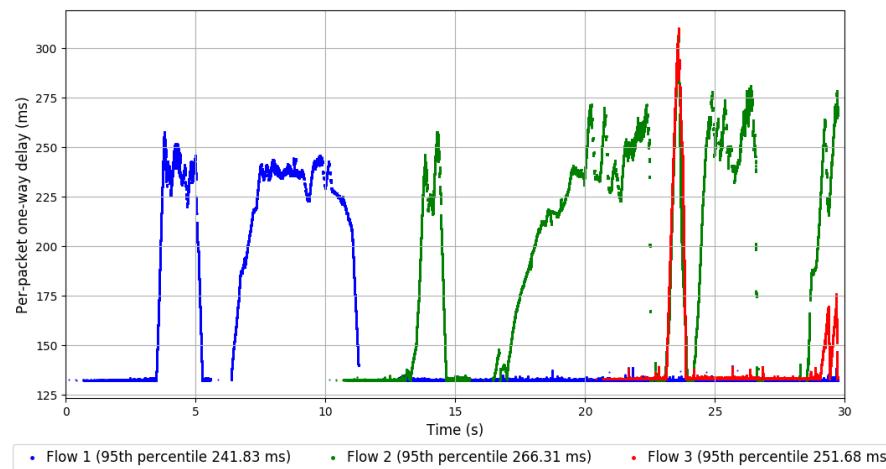
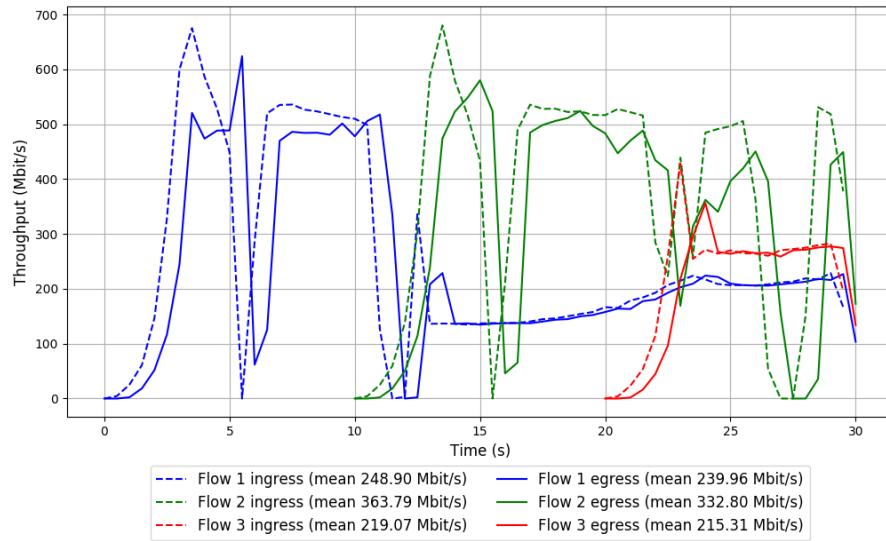


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-11-30 18:22:56
End at: 2018-11-30 18:23:26
Local clock offset: -0.689 ms
Remote clock offset: -0.186 ms

# Below is generated by plot.py at 2018-11-30 23:02:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.76 Mbit/s
95th percentile per-packet one-way delay: 259.192 ms
Loss rate: 6.72%
-- Flow 1:
Average throughput: 239.96 Mbit/s
95th percentile per-packet one-way delay: 241.827 ms
Loss rate: 4.45%
-- Flow 2:
Average throughput: 332.80 Mbit/s
95th percentile per-packet one-way delay: 266.305 ms
Loss rate: 9.75%
-- Flow 3:
Average throughput: 215.31 Mbit/s
95th percentile per-packet one-way delay: 251.682 ms
Loss rate: 4.39%
```

Run 1: Report of PCC-Allegro — Data Link

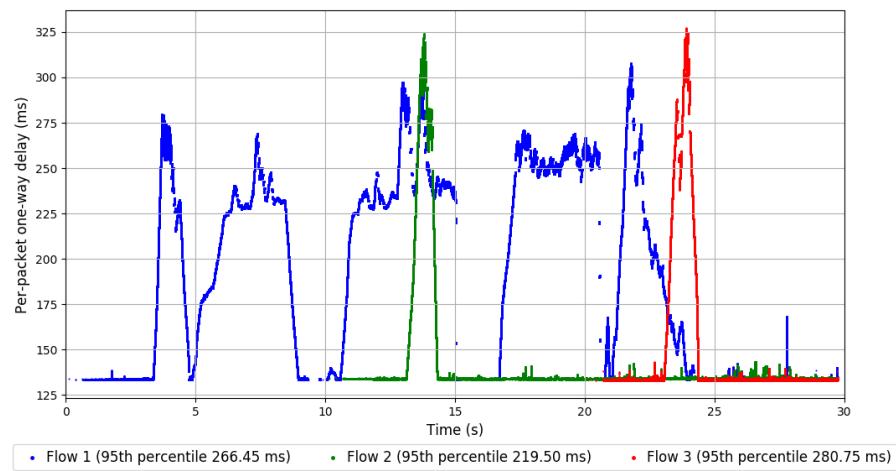
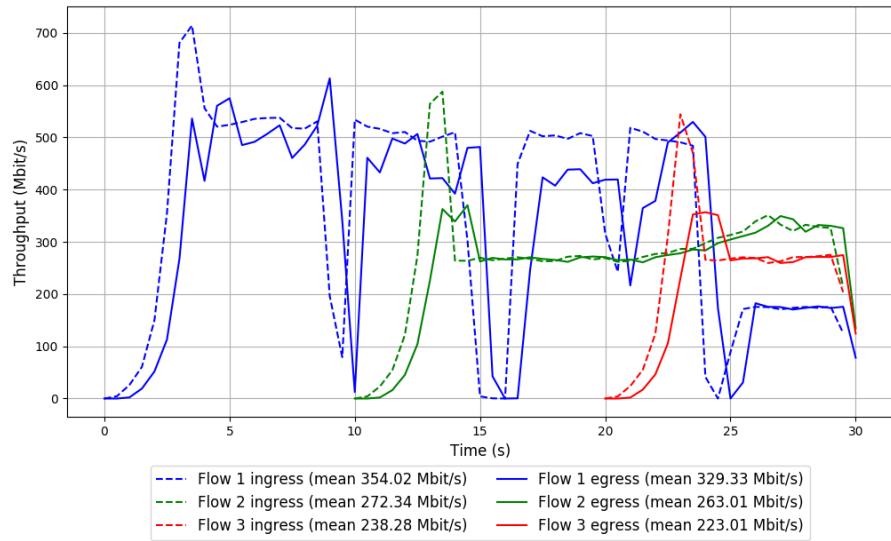


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-11-30 18:59:34
End at: 2018-11-30 19:00:04
Local clock offset: -0.038 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-11-30 23:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 575.25 Mbit/s
95th percentile per-packet one-way delay: 266.167 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 329.33 Mbit/s
95th percentile per-packet one-way delay: 266.449 ms
Loss rate: 7.80%
-- Flow 2:
Average throughput: 263.01 Mbit/s
95th percentile per-packet one-way delay: 219.497 ms
Loss rate: 4.83%
-- Flow 3:
Average throughput: 223.01 Mbit/s
95th percentile per-packet one-way delay: 280.748 ms
Loss rate: 8.97%
```

Run 2: Report of PCC-Allegro — Data Link

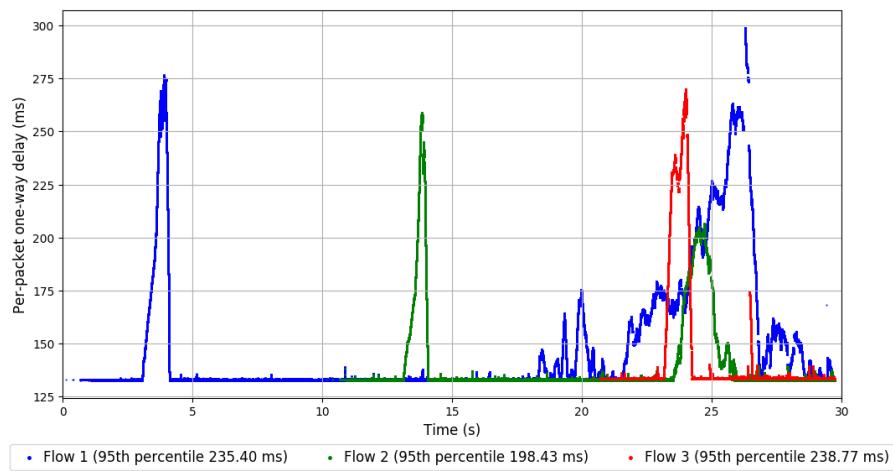
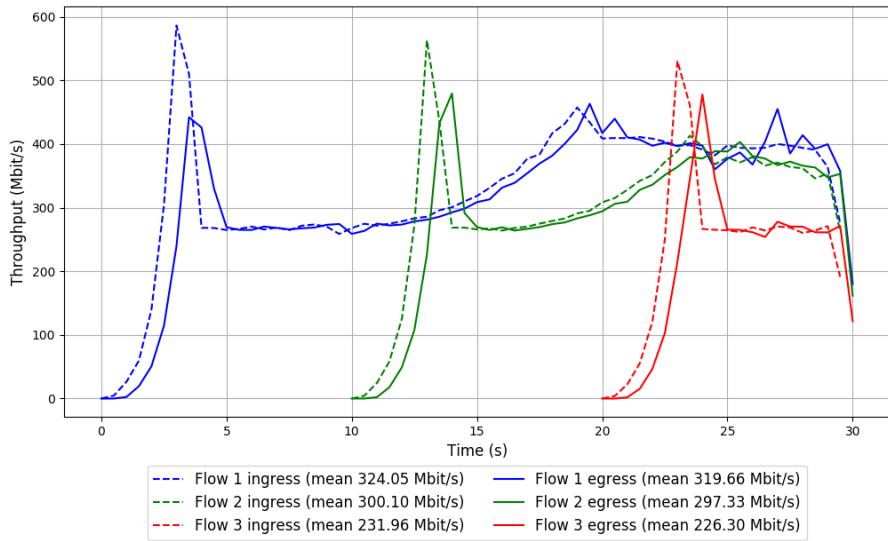


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-11-30 19:36:56
End at: 2018-11-30 19:37:26
Local clock offset: -0.198 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-11-30 23:09:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 589.55 Mbit/s
95th percentile per-packet one-way delay: 227.421 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 319.66 Mbit/s
95th percentile per-packet one-way delay: 235.395 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 297.33 Mbit/s
95th percentile per-packet one-way delay: 198.431 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 226.30 Mbit/s
95th percentile per-packet one-way delay: 238.773 ms
Loss rate: 5.09%
```

Run 3: Report of PCC-Allegro — Data Link

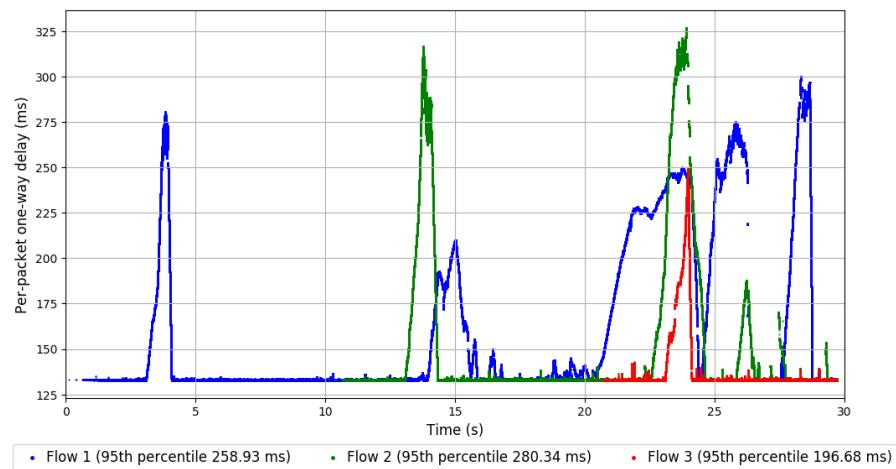
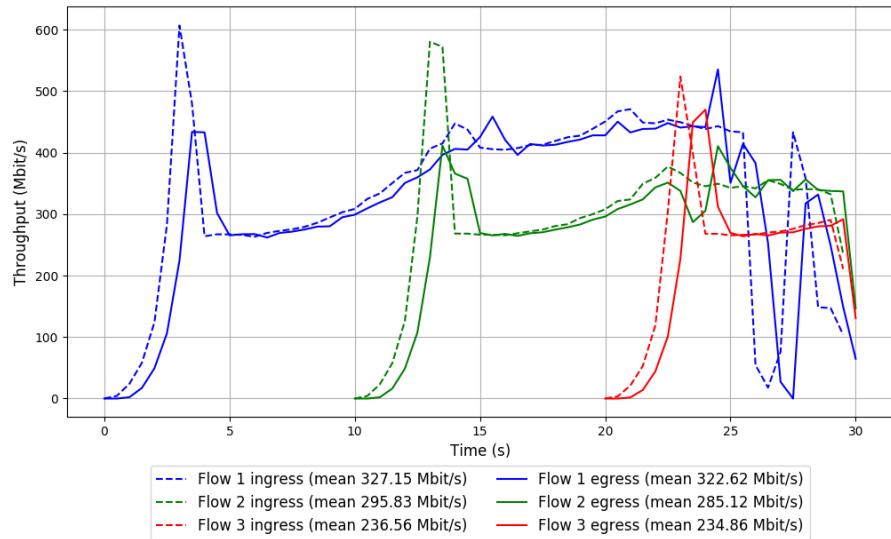


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-11-30 20:12:58
End at: 2018-11-30 20:13:28
Local clock offset: -0.279 ms
Remote clock offset: -0.408 ms

# Below is generated by plot.py at 2018-11-30 23:22:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 587.14 Mbit/s
95th percentile per-packet one-way delay: 259.375 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 322.62 Mbit/s
95th percentile per-packet one-way delay: 258.934 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 285.12 Mbit/s
95th percentile per-packet one-way delay: 280.336 ms
Loss rate: 4.91%
-- Flow 3:
Average throughput: 234.86 Mbit/s
95th percentile per-packet one-way delay: 196.682 ms
Loss rate: 3.42%
```

Run 4: Report of PCC-Allegro — Data Link

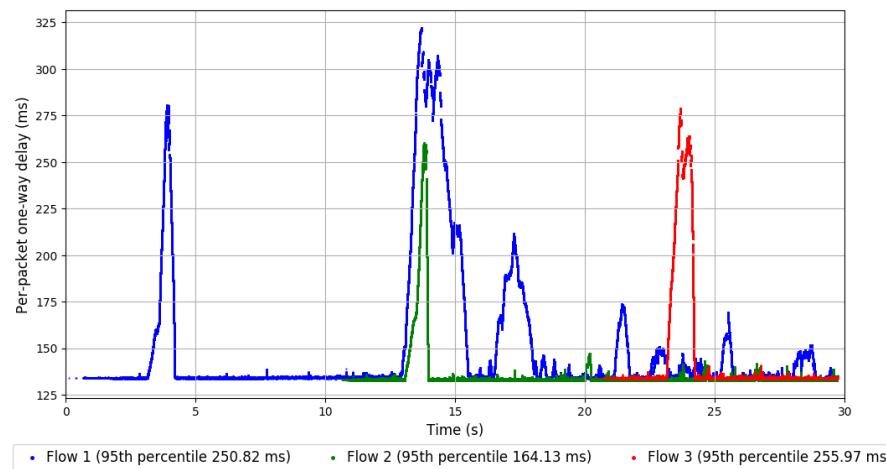
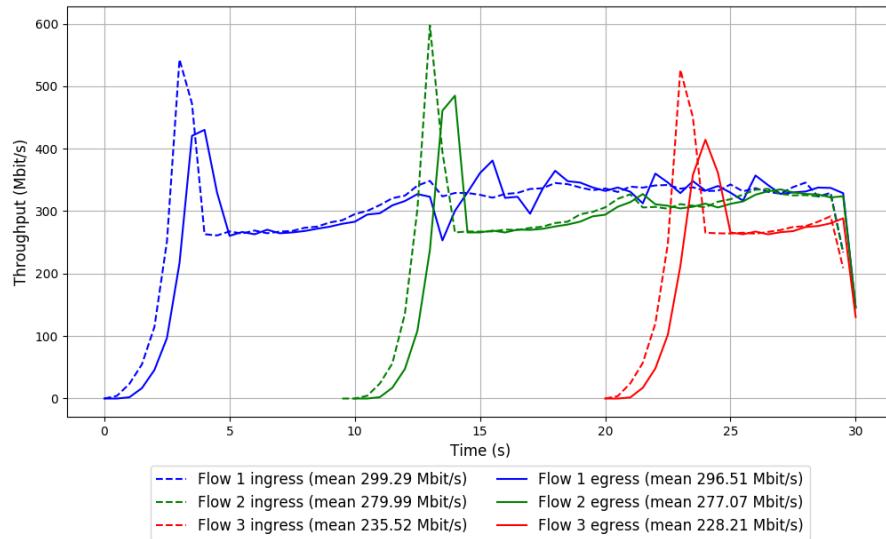


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-11-30 20:51:23
End at: 2018-11-30 20:51:53
Local clock offset: 0.401 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-11-30 23:22:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 553.60 Mbit/s
95th percentile per-packet one-way delay: 240.056 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 296.51 Mbit/s
95th percentile per-packet one-way delay: 250.818 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 277.07 Mbit/s
95th percentile per-packet one-way delay: 164.129 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 228.21 Mbit/s
95th percentile per-packet one-way delay: 255.971 ms
Loss rate: 5.73%
```

Run 5: Report of PCC-Allegro — Data Link

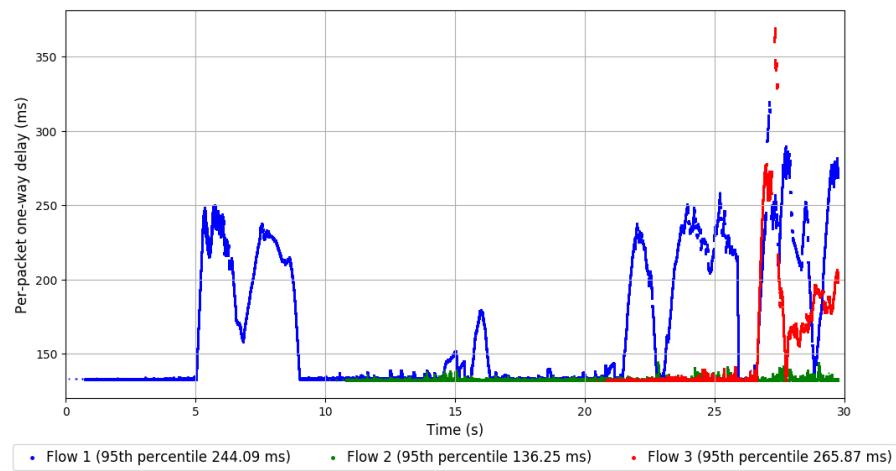
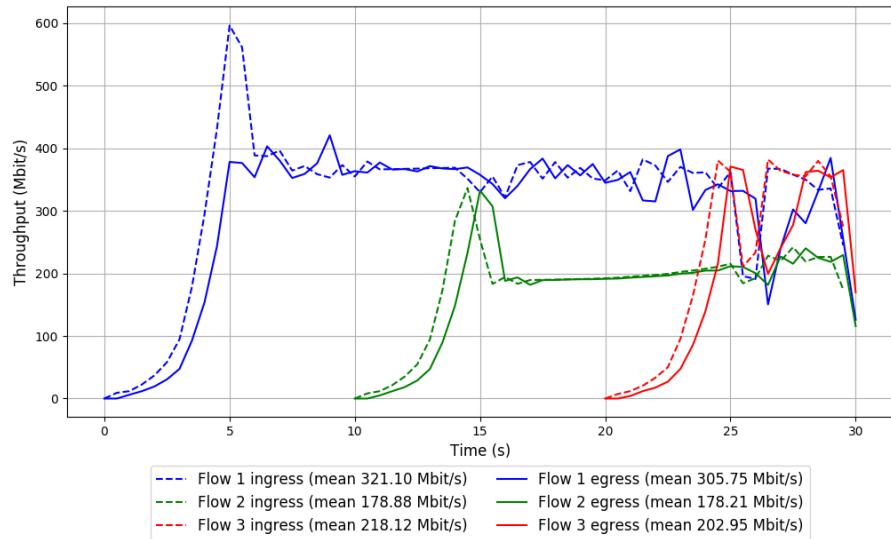


Run 1: Statistics of PCC-Expr

```
Start at: 2018-11-30 18:14:52
End at: 2018-11-30 18:15:22
Local clock offset: -0.234 ms
Remote clock offset: 0.26 ms

# Below is generated by plot.py at 2018-11-30 23:22:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.28 Mbit/s
95th percentile per-packet one-way delay: 240.563 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 305.75 Mbit/s
95th percentile per-packet one-way delay: 244.095 ms
Loss rate: 5.63%
-- Flow 2:
Average throughput: 178.21 Mbit/s
95th percentile per-packet one-way delay: 136.247 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 202.95 Mbit/s
95th percentile per-packet one-way delay: 265.865 ms
Loss rate: 9.48%
```

Run 1: Report of PCC-Expr — Data Link

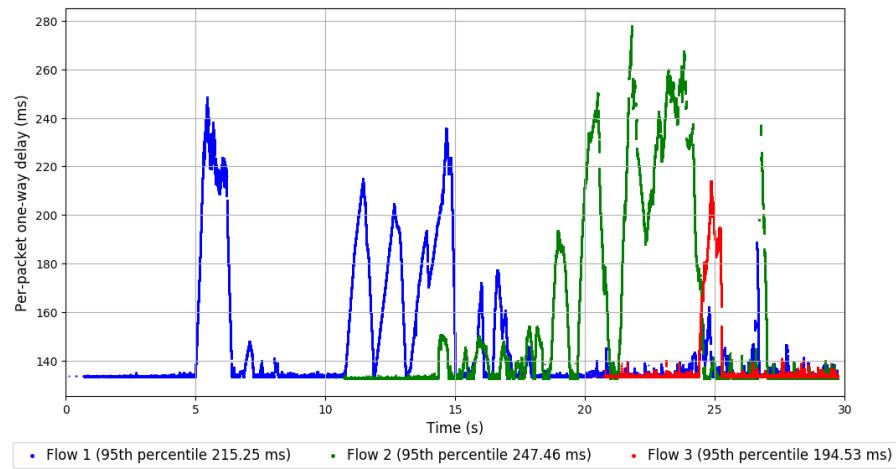
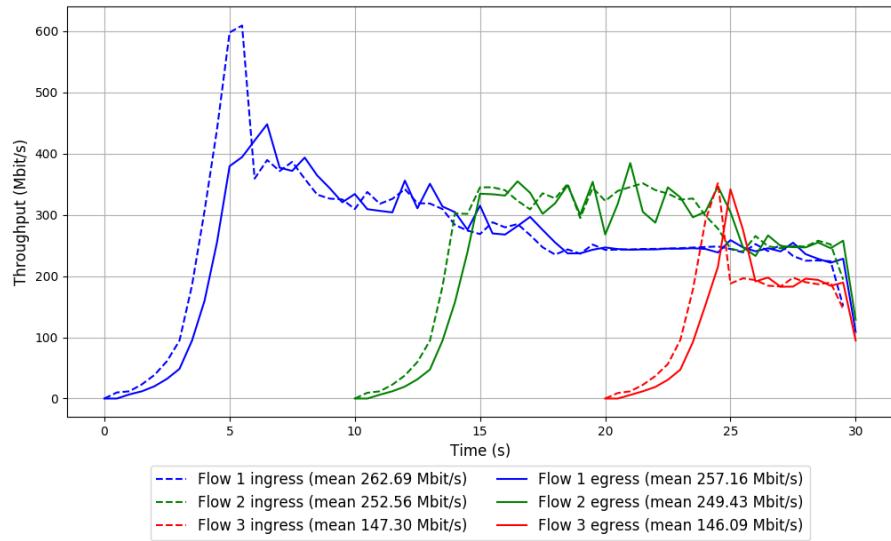


Run 2: Statistics of PCC-Expr

```
Start at: 2018-11-30 18:51:19
End at: 2018-11-30 18:51:49
Local clock offset: -0.205 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-11-30 23:22:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.66 Mbit/s
95th percentile per-packet one-way delay: 230.306 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 257.16 Mbit/s
95th percentile per-packet one-way delay: 215.249 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 249.43 Mbit/s
95th percentile per-packet one-way delay: 247.456 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 146.09 Mbit/s
95th percentile per-packet one-way delay: 194.528 ms
Loss rate: 3.53%
```

Run 2: Report of PCC-Expr — Data Link

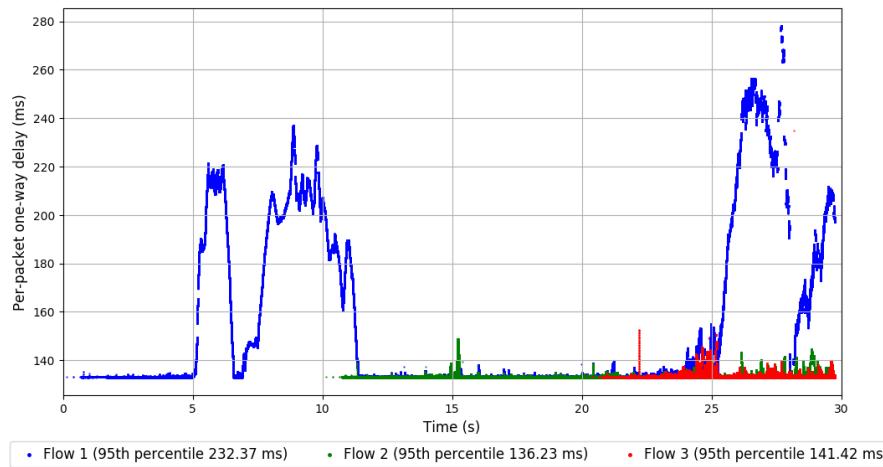
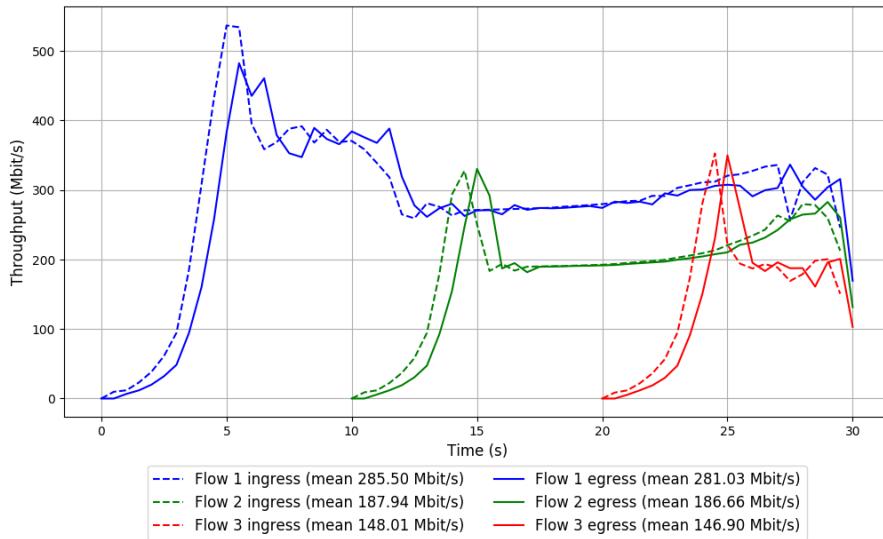


Run 3: Statistics of PCC-Expr

```
Start at: 2018-11-30 19:29:31
End at: 2018-11-30 19:30:01
Local clock offset: 0.048 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-11-30 23:22:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.19 Mbit/s
95th percentile per-packet one-way delay: 218.961 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 281.03 Mbit/s
95th percentile per-packet one-way delay: 232.374 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 186.66 Mbit/s
95th percentile per-packet one-way delay: 136.232 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 146.90 Mbit/s
95th percentile per-packet one-way delay: 141.422 ms
Loss rate: 3.43%
```

Run 3: Report of PCC-Expr — Data Link

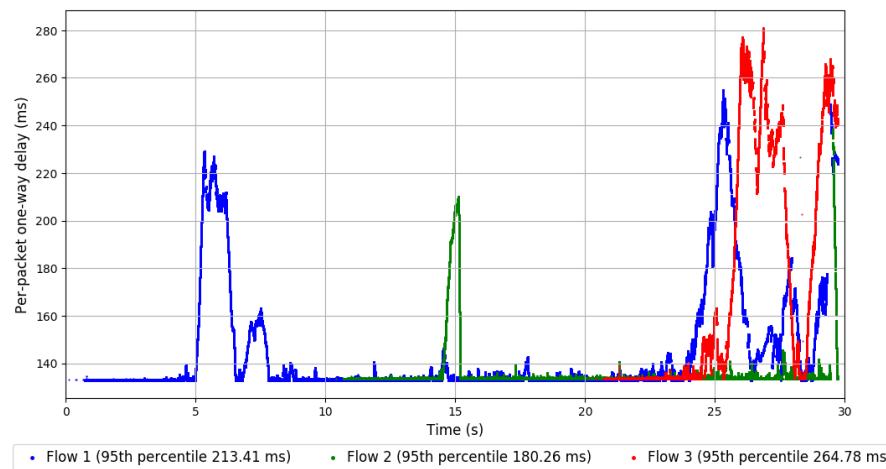
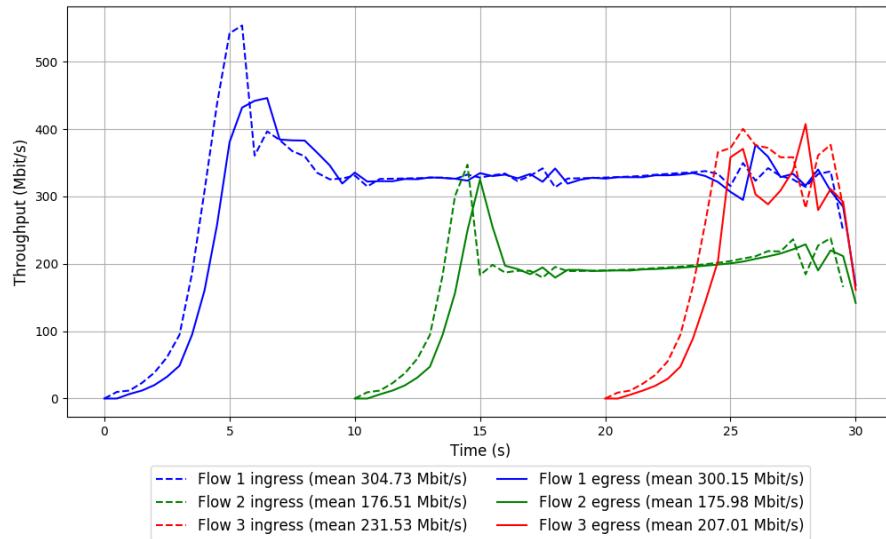


Run 4: Statistics of PCC-Expr

```
Start at: 2018-11-30 20:05:11
End at: 2018-11-30 20:05:41
Local clock offset: -0.037 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 483.67 Mbit/s
95th percentile per-packet one-way delay: 235.172 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 300.15 Mbit/s
95th percentile per-packet one-way delay: 213.407 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 175.98 Mbit/s
95th percentile per-packet one-way delay: 180.263 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 207.01 Mbit/s
95th percentile per-packet one-way delay: 264.784 ms
Loss rate: 13.03%
```

Run 4: Report of PCC-Expr — Data Link

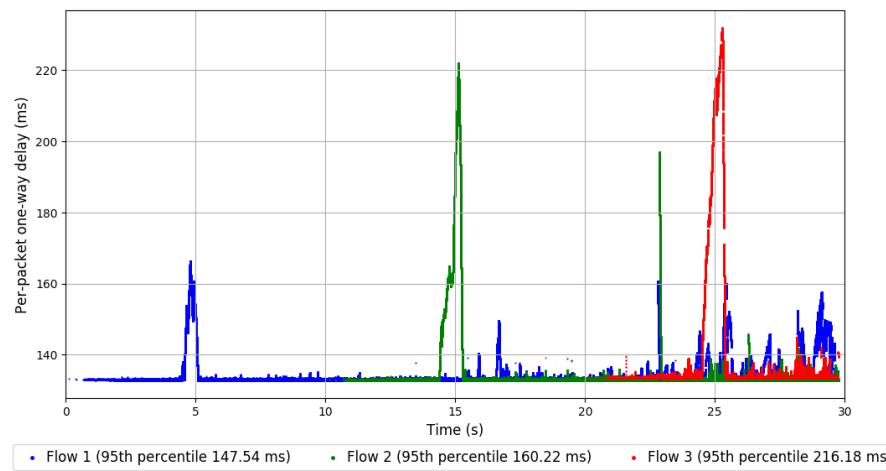
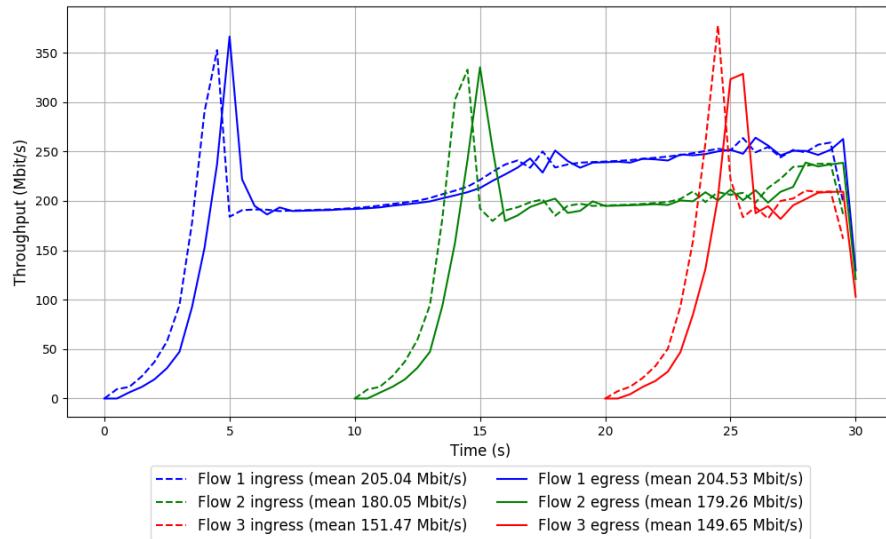


Run 5: Statistics of PCC-Expr

```
Start at: 2018-11-30 20:43:41
End at: 2018-11-30 20:44:11
Local clock offset: -0.235 ms
Remote clock offset: -0.482 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 156.066 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 204.53 Mbit/s
95th percentile per-packet one-way delay: 147.538 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 179.26 Mbit/s
95th percentile per-packet one-way delay: 160.217 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 149.65 Mbit/s
95th percentile per-packet one-way delay: 216.177 ms
Loss rate: 3.88%
```

Run 5: Report of PCC-Expr — Data Link

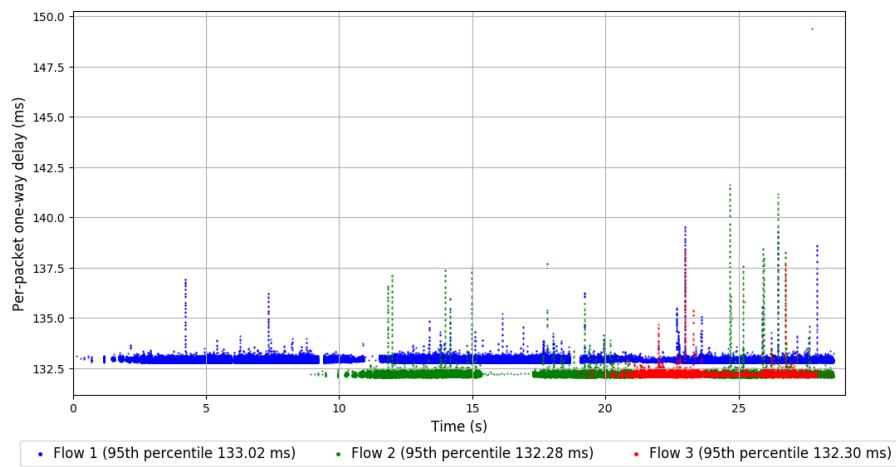
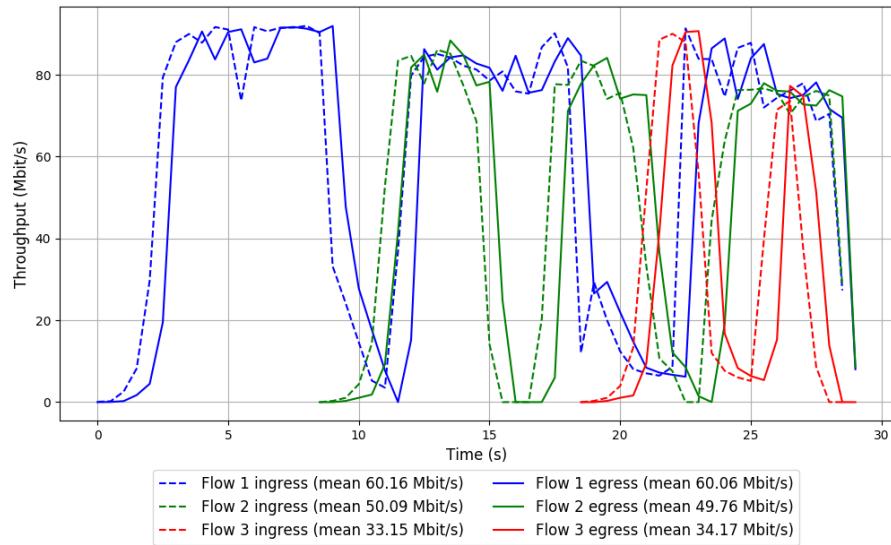


Run 1: Statistics of QUIC Cubic

```
Start at: 2018-11-30 18:34:32
End at: 2018-11-30 18:35:02
Local clock offset: -0.52 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.93 Mbit/s
95th percentile per-packet one-way delay: 132.988 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 60.06 Mbit/s
95th percentile per-packet one-way delay: 133.022 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 132.280 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 132.297 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

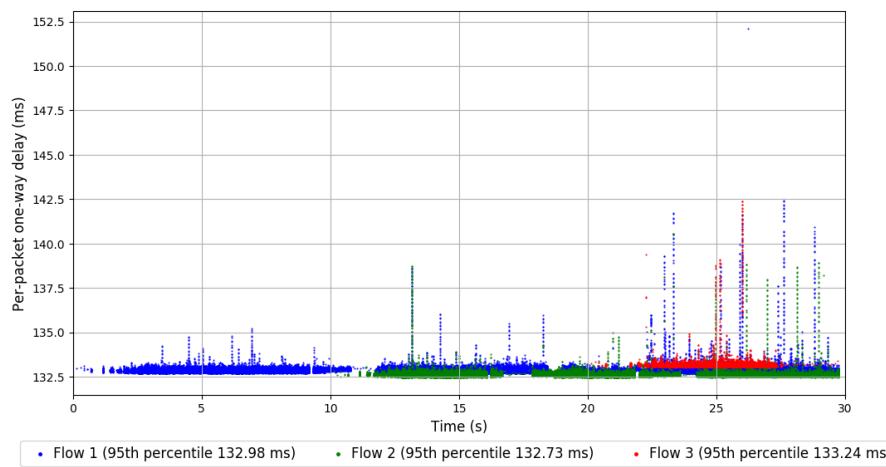
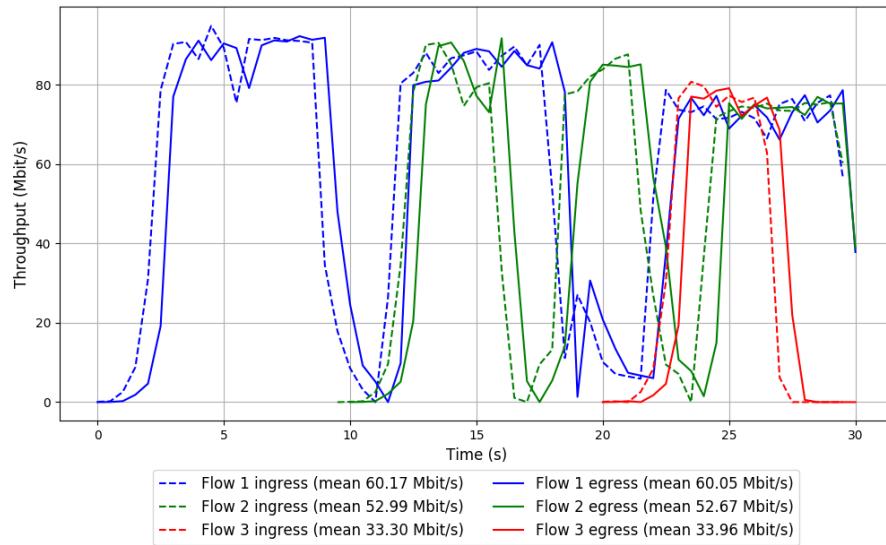


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-11-30 19:12:15
End at: 2018-11-30 19:12:45
Local clock offset: -0.593 ms
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.96 Mbit/s
95th percentile per-packet one-way delay: 133.120 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 60.05 Mbit/s
95th percentile per-packet one-way delay: 132.984 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 132.729 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 33.96 Mbit/s
95th percentile per-packet one-way delay: 133.244 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

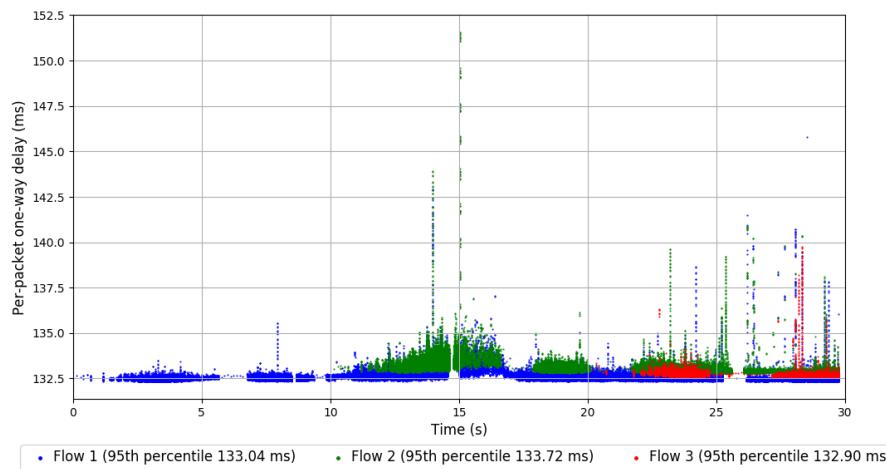
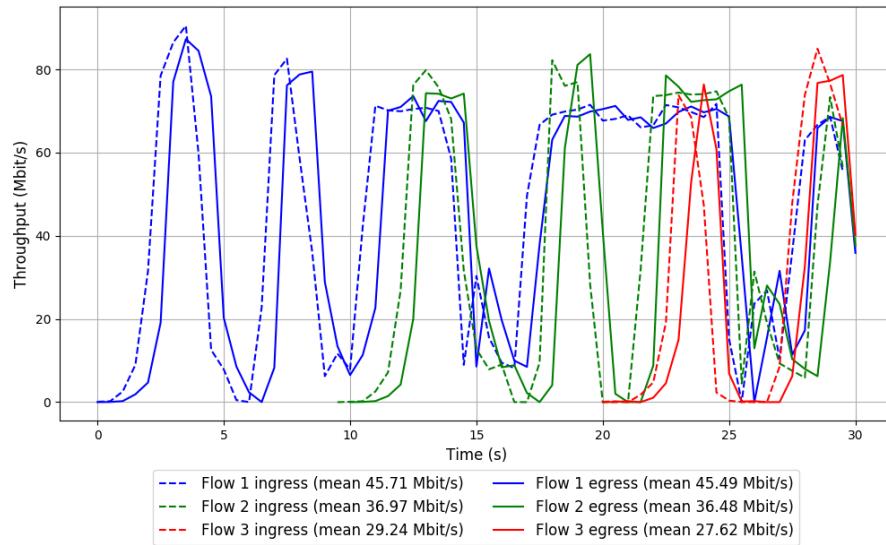


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-11-30 19:49:04
End at: 2018-11-30 19:49:34
Local clock offset: -0.553 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 133.380 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 133.039 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 133.725 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 27.62 Mbit/s
95th percentile per-packet one-way delay: 132.895 ms
Loss rate: 8.08%
```

Run 3: Report of QUIC Cubic — Data Link

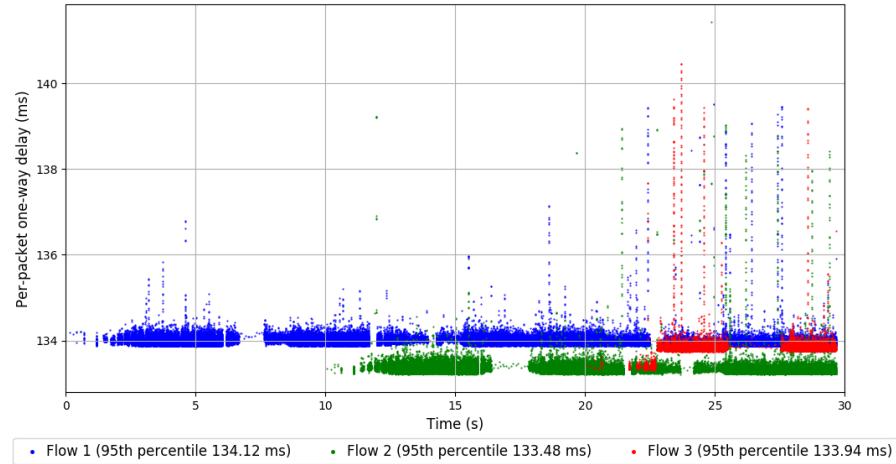
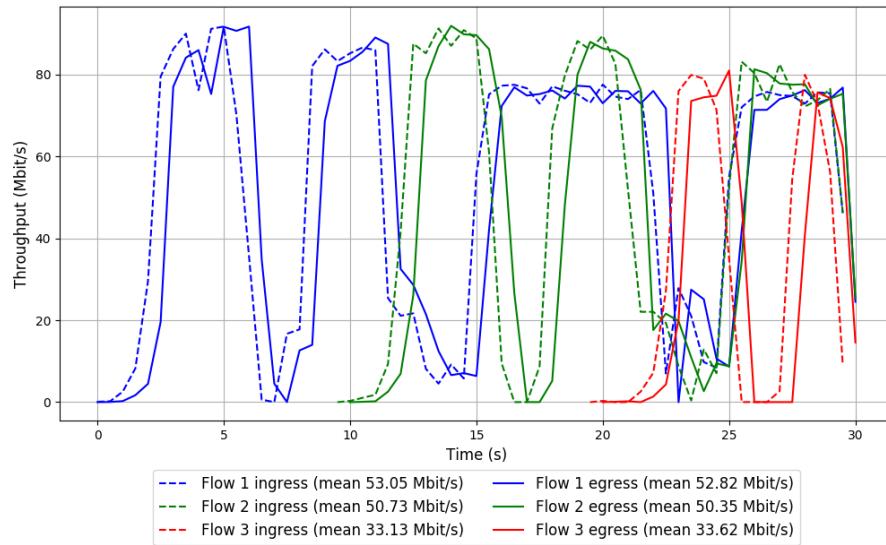


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-11-30 20:25:46
End at: 2018-11-30 20:26:16
Local clock offset: 0.453 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 134.083 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 52.82 Mbit/s
95th percentile per-packet one-way delay: 134.121 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 133.476 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 133.942 ms
Loss rate: 1.22%
```

Run 4: Report of QUIC Cubic — Data Link

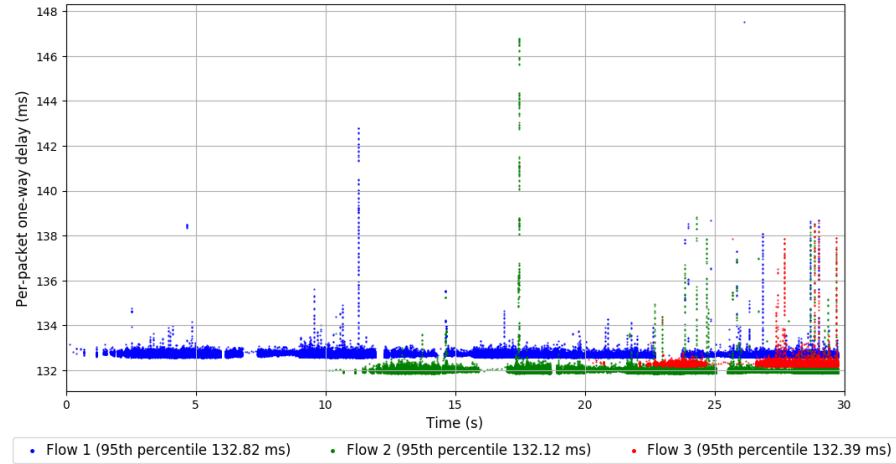
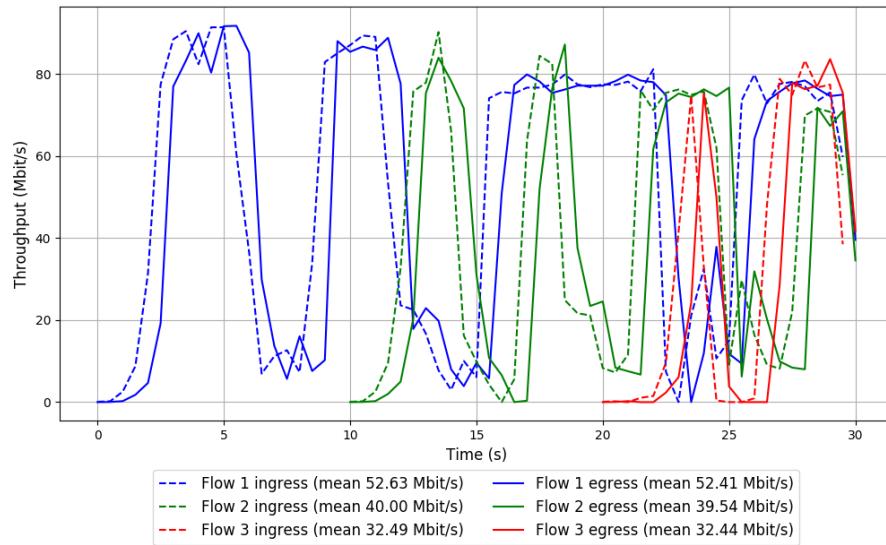


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-11-30 21:03:52
End at: 2018-11-30 21:04:22
Local clock offset: -0.508 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 132.784 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 52.41 Mbit/s
95th percentile per-packet one-way delay: 132.816 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 132.116 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 132.386 ms
Loss rate: 2.84%
```

Run 5: Report of QUIC Cubic — Data Link

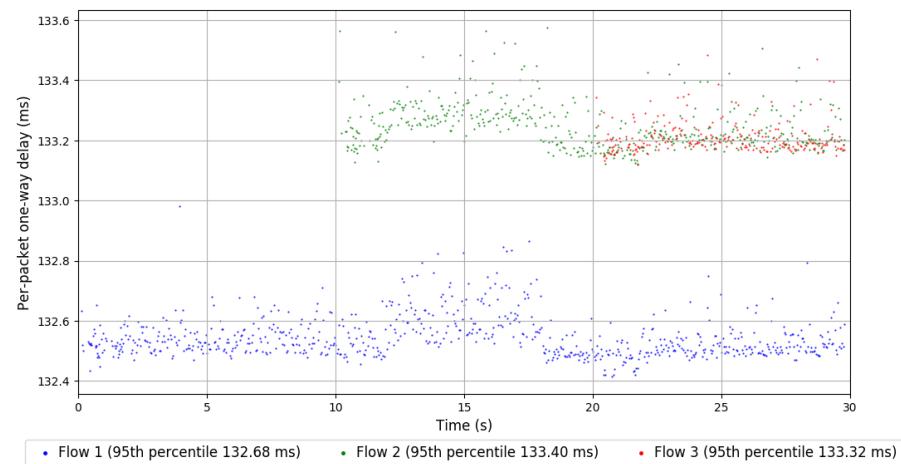
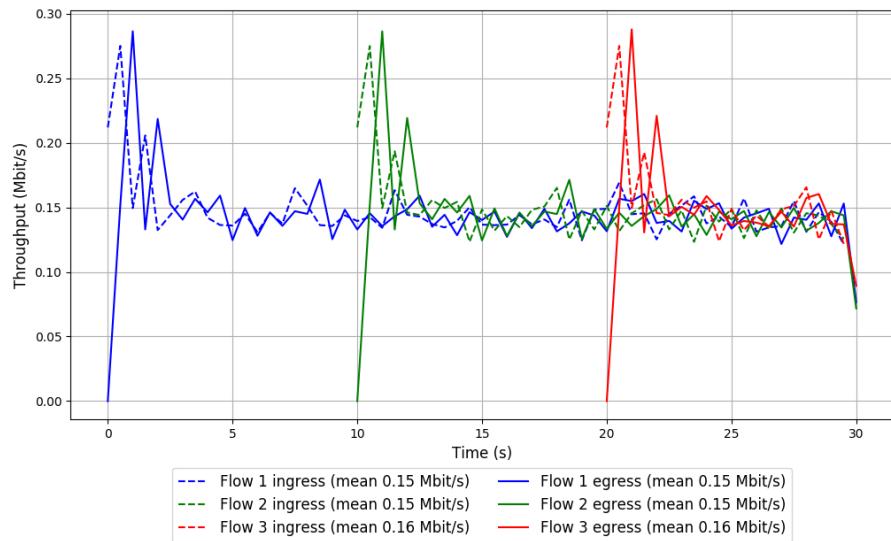


Run 1: Statistics of SCReAM

```
Start at: 2018-11-30 18:42:39
End at: 2018-11-30 18:43:09
Local clock offset: -0.266 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.323 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.681 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.397 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.320 ms
Loss rate: 2.45%
```

Run 1: Report of SCReAM — Data Link

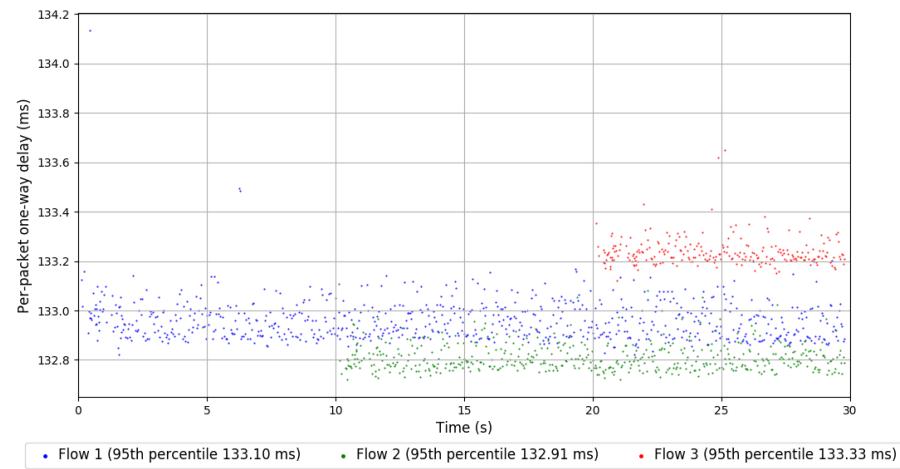
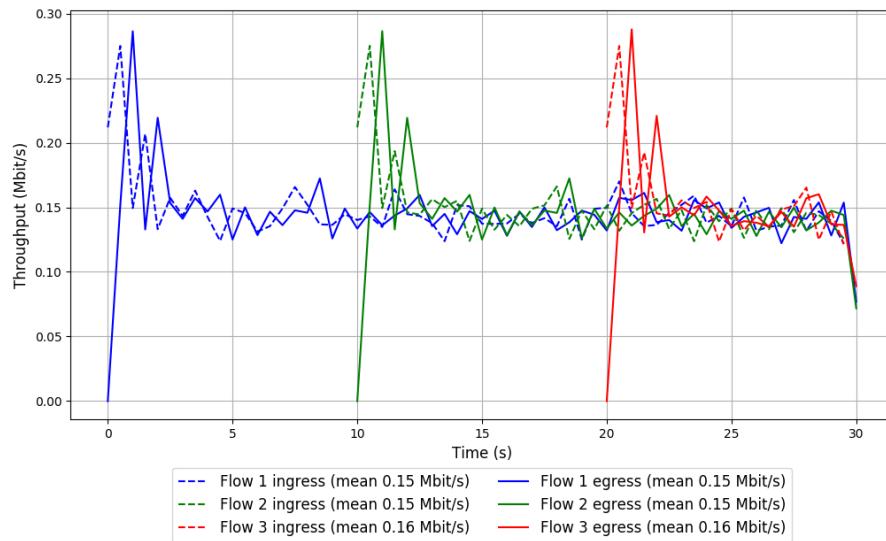


Run 2: Statistics of SCReAM

```
Start at: 2018-11-30 19:20:47
End at: 2018-11-30 19:21:17
Local clock offset: 0.041 ms
Remote clock offset: 0.246 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.246 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.097 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.914 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.328 ms
Loss rate: 2.44%
```

Run 2: Report of SCReAM — Data Link

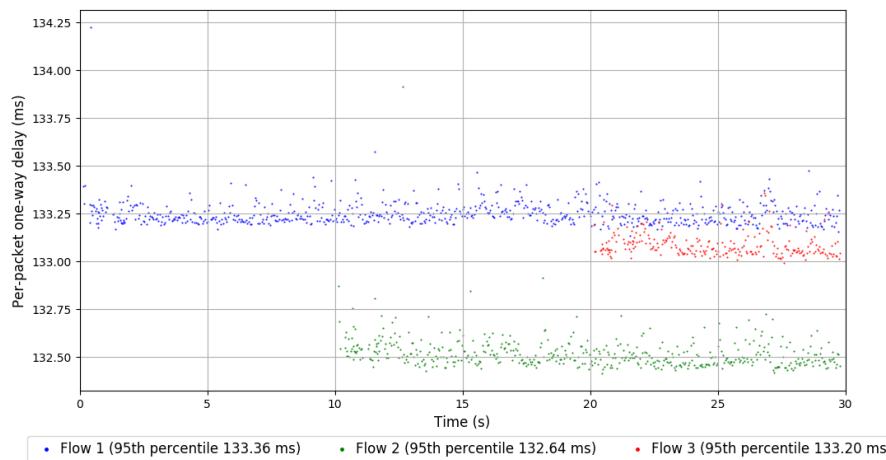
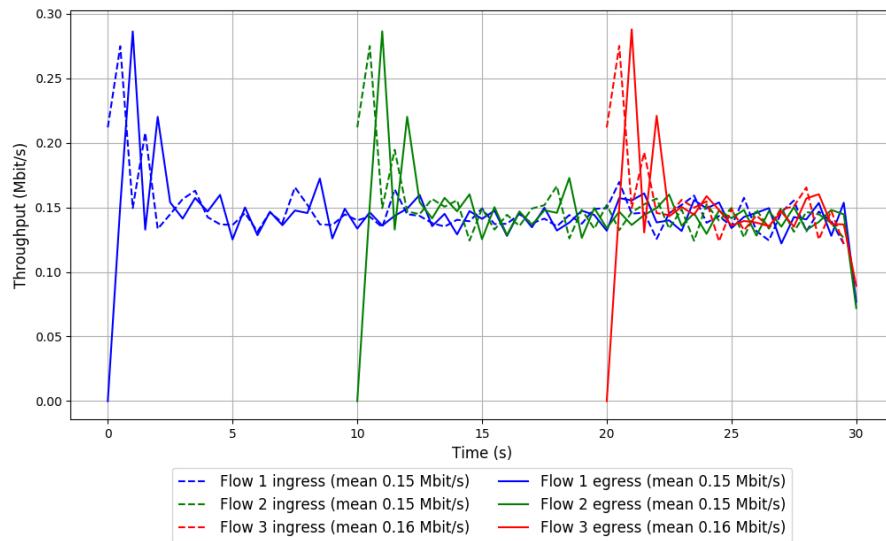


Run 3: Statistics of SCReAM

```
Start at: 2018-11-30 19:56:23
End at: 2018-11-30 19:56:53
Local clock offset: -0.402 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.316 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.358 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.642 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.198 ms
Loss rate: 2.45%
```

Run 3: Report of SCReAM — Data Link

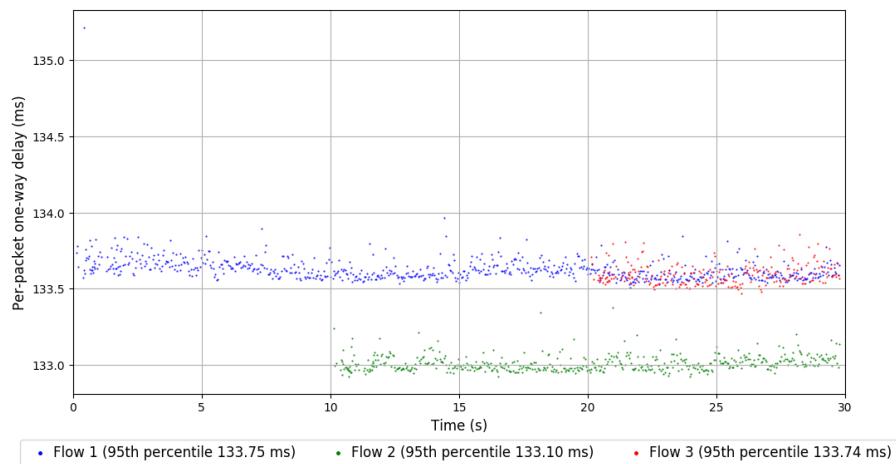
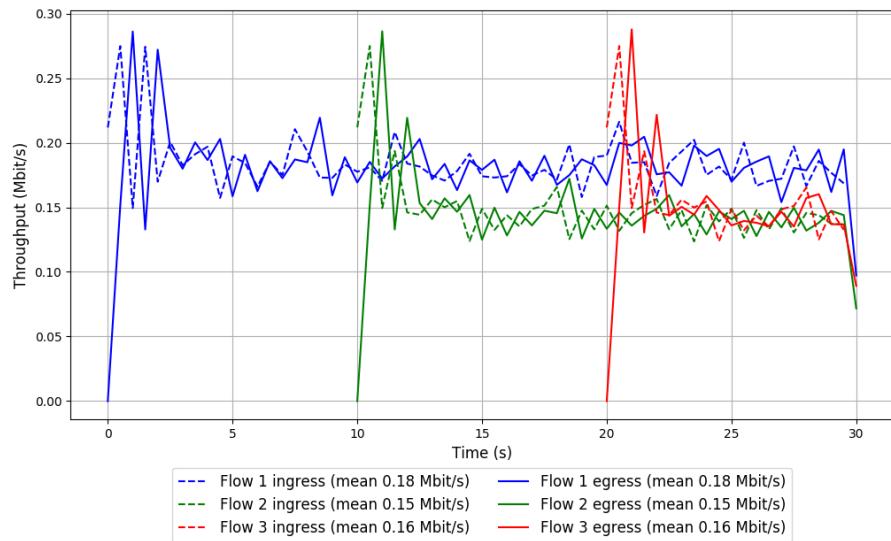


Run 4: Statistics of SCReAM

```
Start at: 2018-11-30 20:34:32
End at: 2018-11-30 20:35:02
Local clock offset: -0.049 ms
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 133.722 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 133.748 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.100 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.737 ms
Loss rate: 2.78%
```

Run 4: Report of SCReAM — Data Link

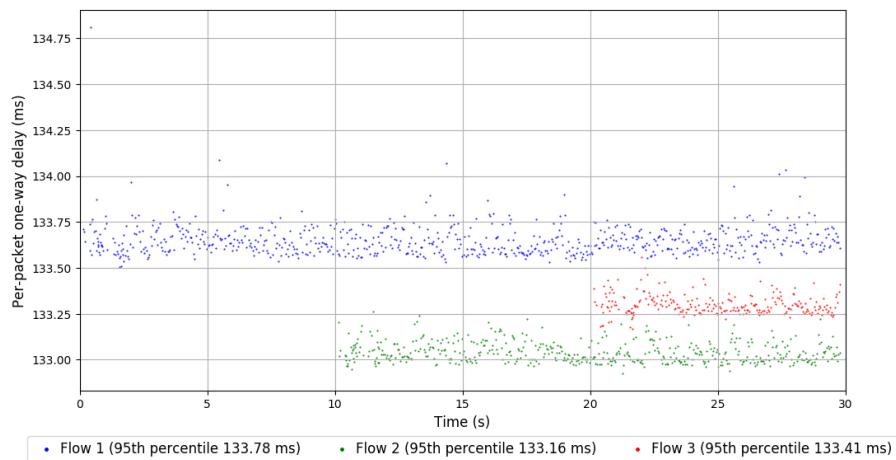
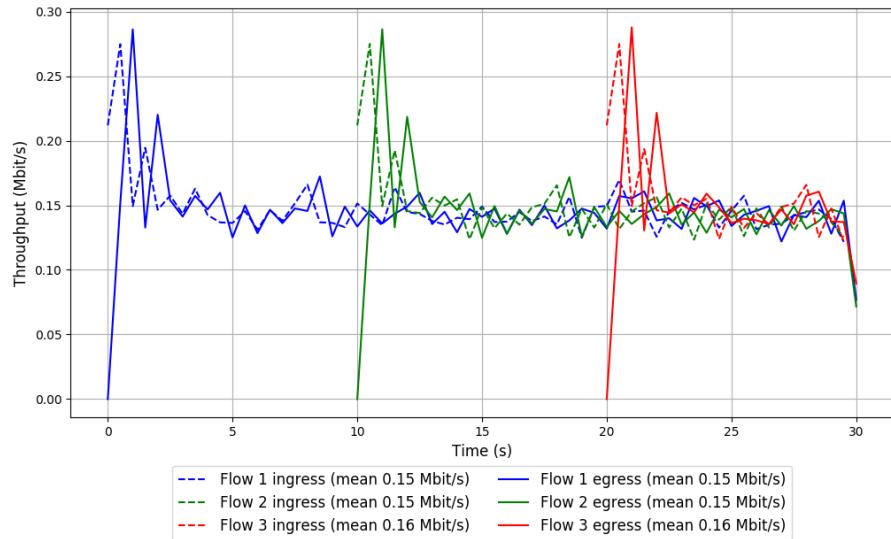


Run 5: Statistics of SCReAM

```
Start at: 2018-11-30 21:12:46
End at: 2018-11-30 21:13:16
Local clock offset: -0.135 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.738 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.778 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.156 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.410 ms
Loss rate: 2.45%
```

Run 5: Report of SCReAM — Data Link

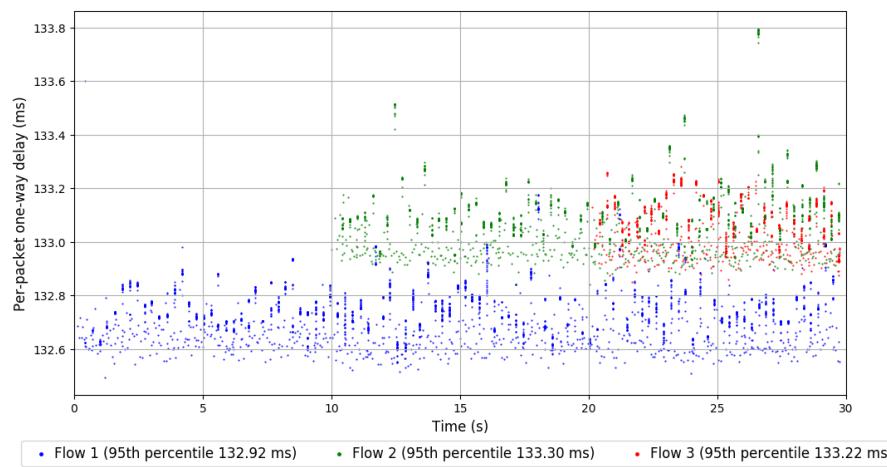
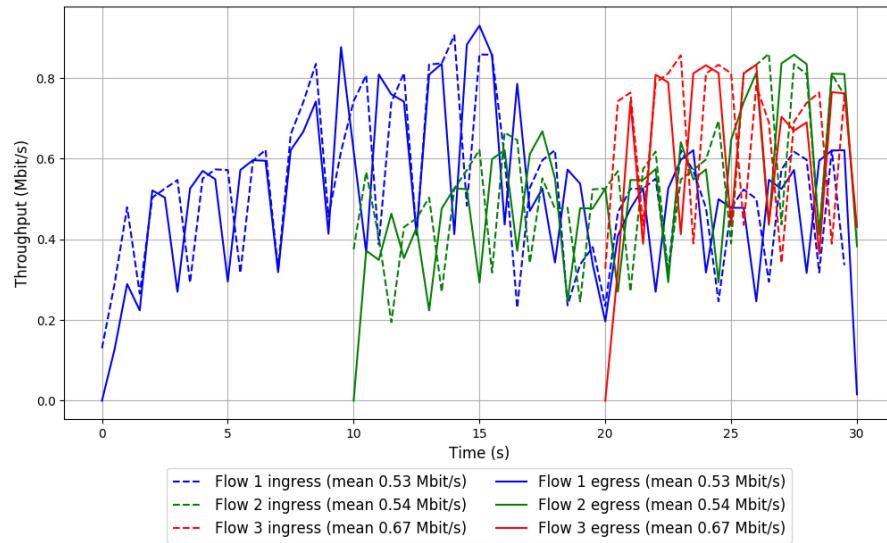


Run 1: Statistics of Sprout

```
Start at: 2018-11-30 18:19:28
End at: 2018-11-30 18:19:58
Local clock offset: -0.535 ms
Remote clock offset: 0.203 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 133.224 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 132.920 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 133.296 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.225 ms
Loss rate: 2.51%
```

Run 1: Report of Sprout — Data Link

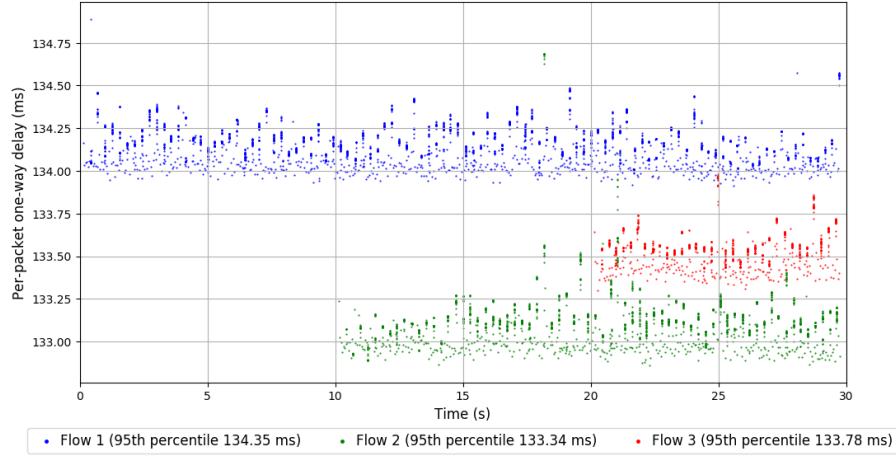
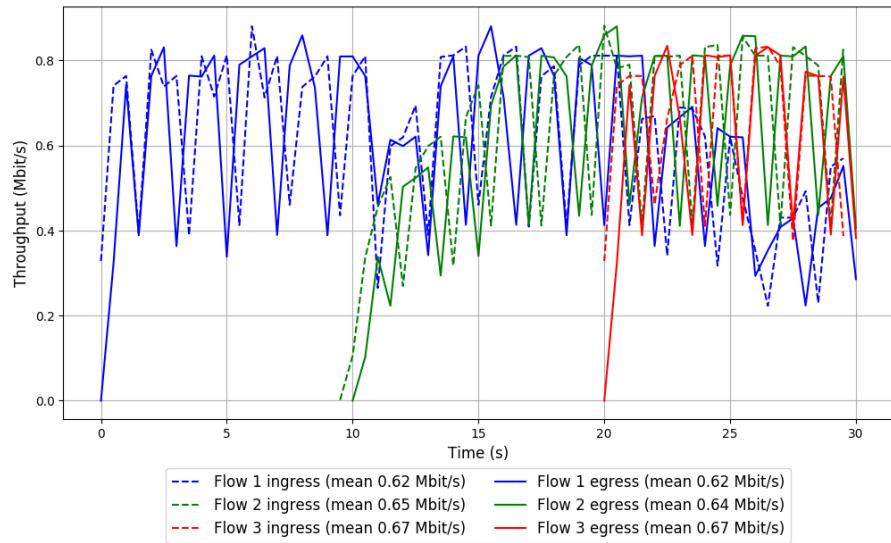


Run 2: Statistics of Sprout

```
Start at: 2018-11-30 18:56:14
End at: 2018-11-30 18:56:44
Local clock offset: 0.215 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 134.300 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 134.352 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 133.343 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.782 ms
Loss rate: 2.88%
```

Run 2: Report of Sprout — Data Link

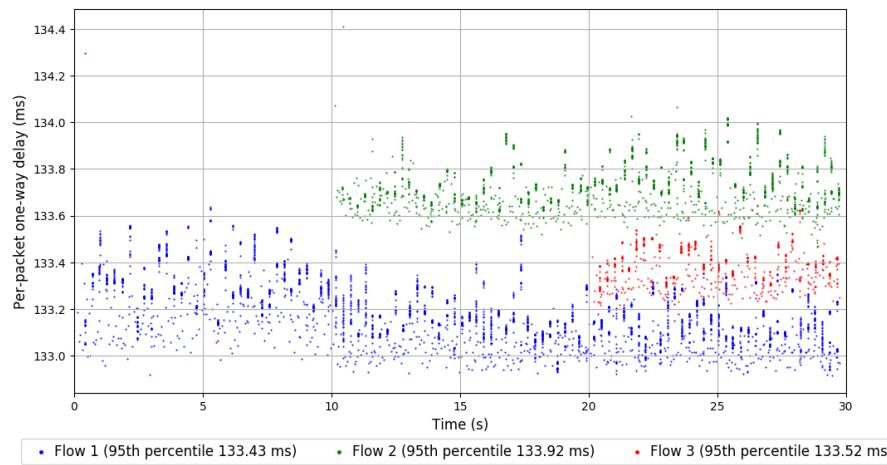
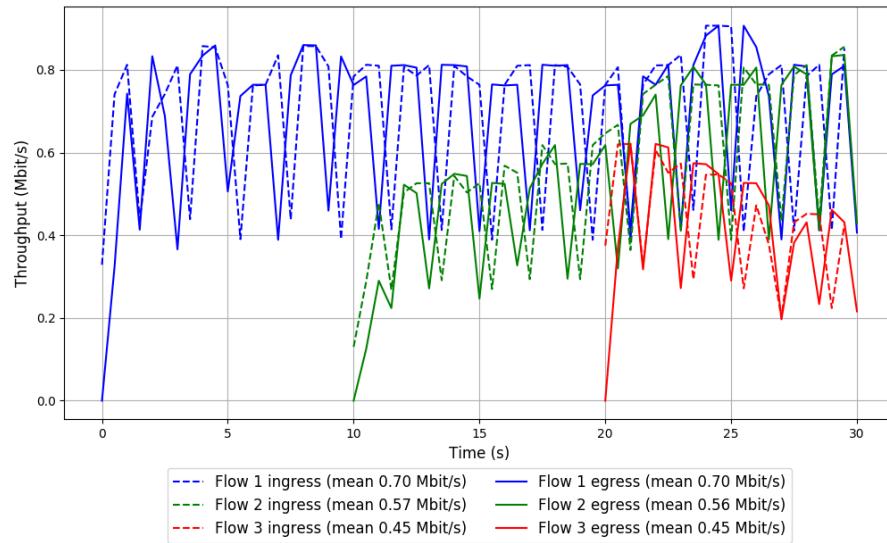


Run 3: Statistics of Sprout

```
Start at: 2018-11-30 19:33:48
End at: 2018-11-30 19:34:18
Local clock offset: -0.159 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 133.828 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 133.430 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 133.923 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 133.519 ms
Loss rate: 2.41%
```

Run 3: Report of Sprout — Data Link

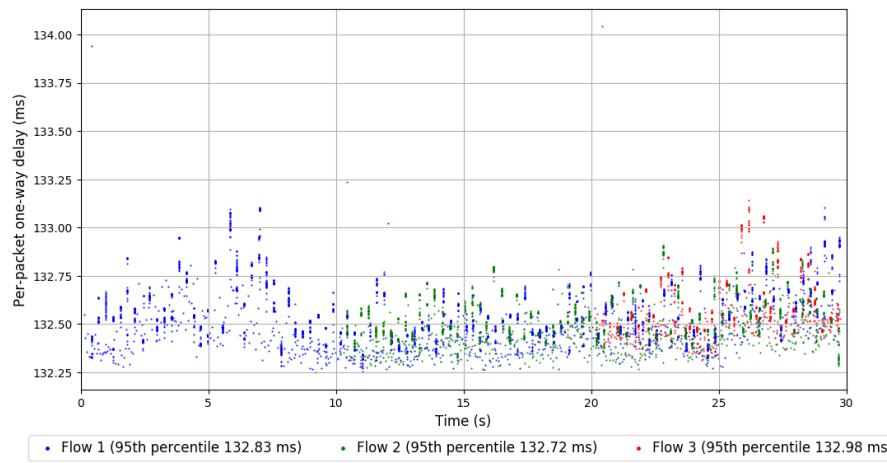
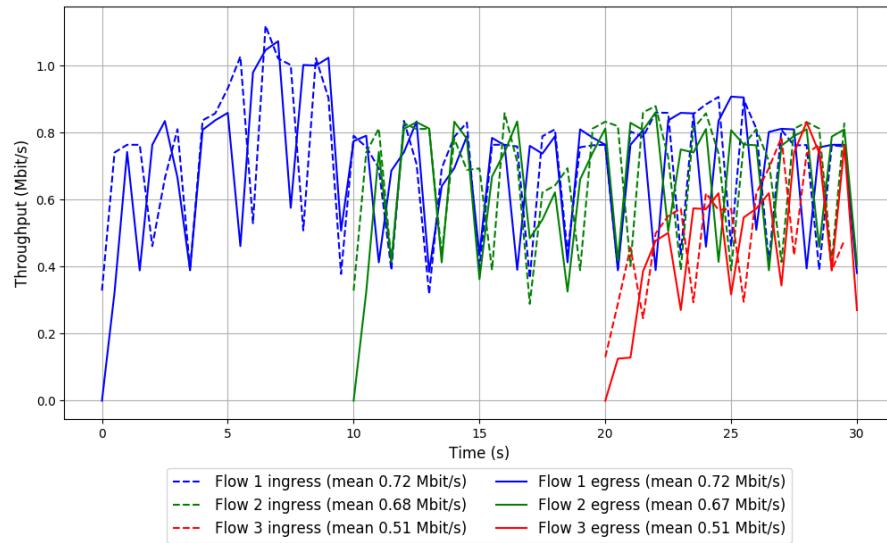


Run 4: Statistics of Sprout

```
Start at: 2018-11-30 20:09:38
End at: 2018-11-30 20:10:08
Local clock offset: -0.253 ms
Remote clock offset: 0.268 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 132.820 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 132.828 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 132.719 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 132.983 ms
Loss rate: 2.14%
```

Run 4: Report of Sprout — Data Link

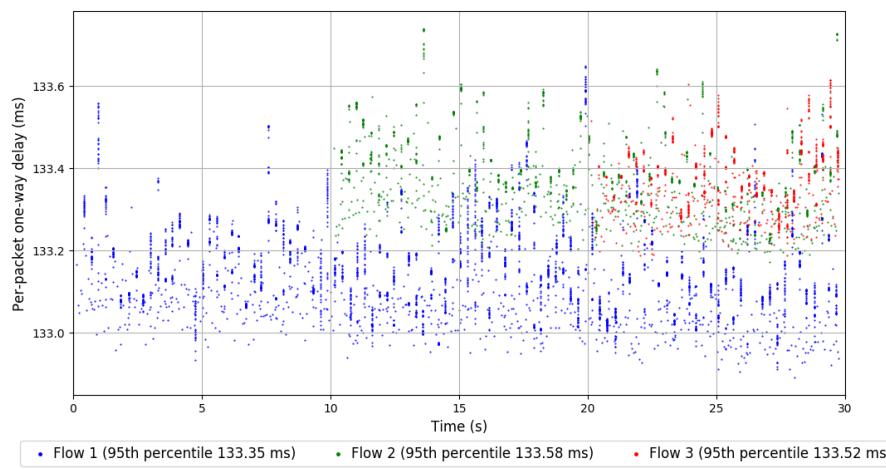
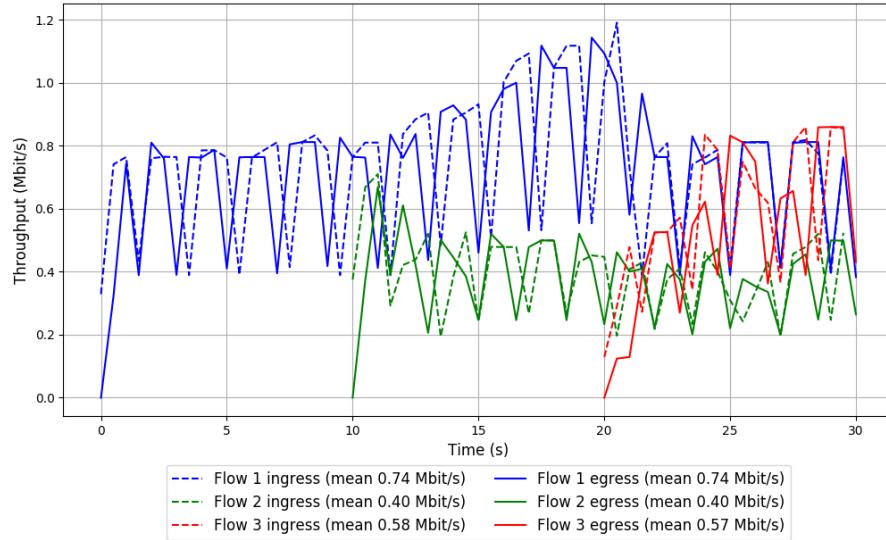


Run 5: Statistics of Sprout

```
Start at: 2018-11-30 20:48:00
End at: 2018-11-30 20:48:30
Local clock offset: -0.221 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-11-30 23:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 133.502 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 133.346 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 133.580 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 133.523 ms
Loss rate: 3.77%
```

Run 5: Report of Sprout — Data Link

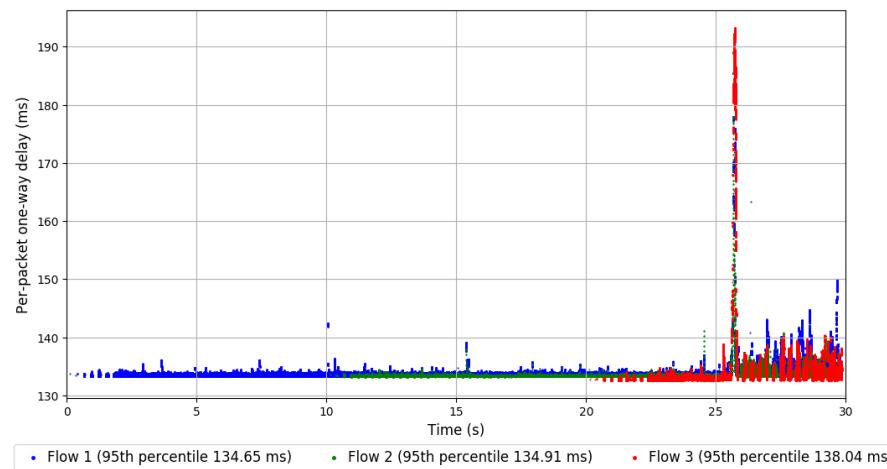
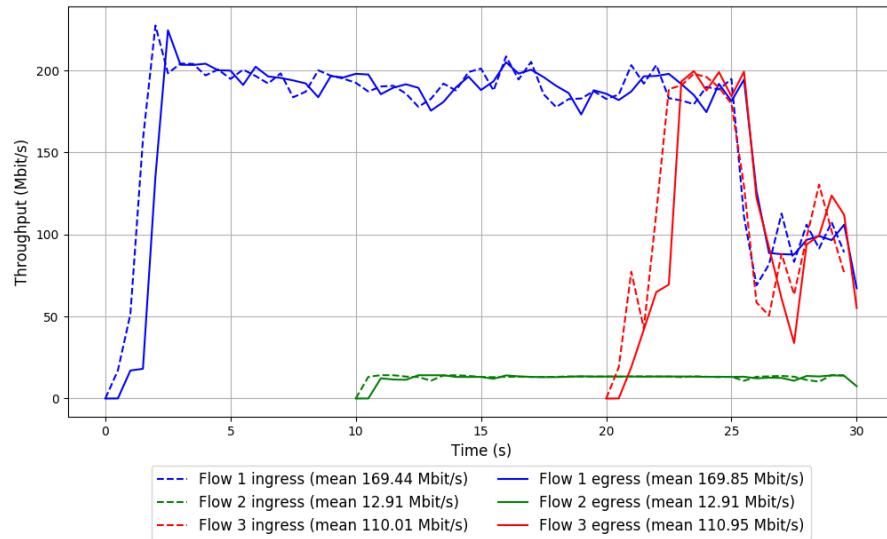


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-11-30 18:25:10
End at: 2018-11-30 18:25:40
Local clock offset: -0.274 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-11-30 23:26:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.48 Mbit/s
95th percentile per-packet one-way delay: 135.289 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 169.85 Mbit/s
95th percentile per-packet one-way delay: 134.648 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 134.908 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 110.95 Mbit/s
95th percentile per-packet one-way delay: 138.037 ms
Loss rate: 1.86%
```

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

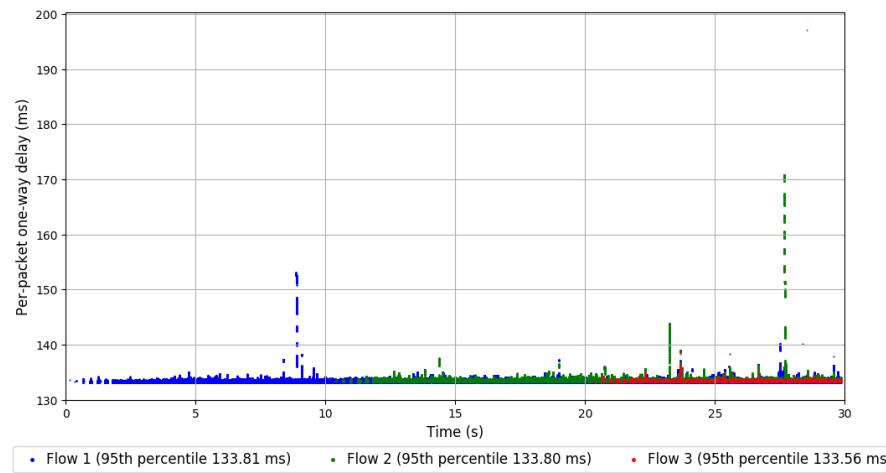
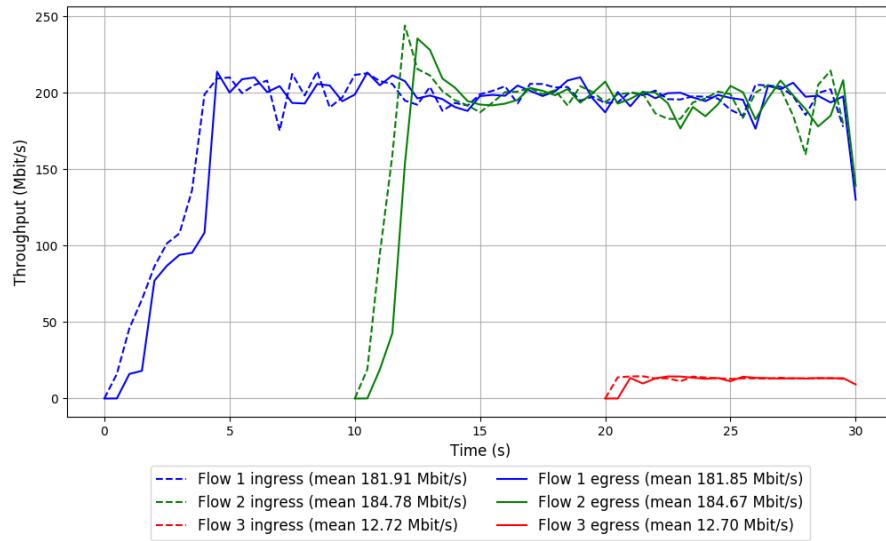


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-11-30 19:01:54
End at: 2018-11-30 19:02:24
Local clock offset: 0.215 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-11-30 23:30:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.49 Mbit/s
95th percentile per-packet one-way delay: 133.799 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 181.85 Mbit/s
95th percentile per-packet one-way delay: 133.805 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 184.67 Mbit/s
95th percentile per-packet one-way delay: 133.796 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 133.564 ms
Loss rate: 2.82%
```

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

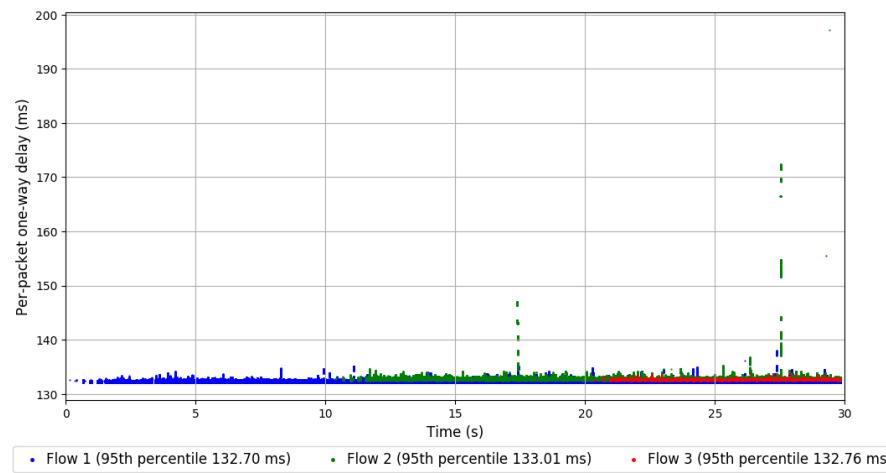
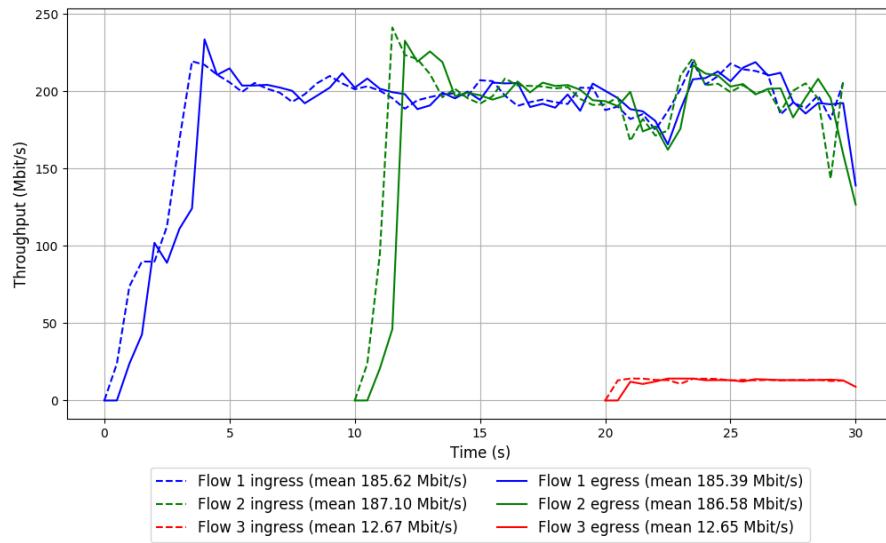


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-11-30 19:39:05
End at: 2018-11-30 19:39:35
Local clock offset: -0.43 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-11-30 23:31:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.22 Mbit/s
95th percentile per-packet one-way delay: 132.916 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 185.39 Mbit/s
95th percentile per-packet one-way delay: 132.701 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 186.58 Mbit/s
95th percentile per-packet one-way delay: 133.014 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 132.763 ms
Loss rate: 2.84%
```

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

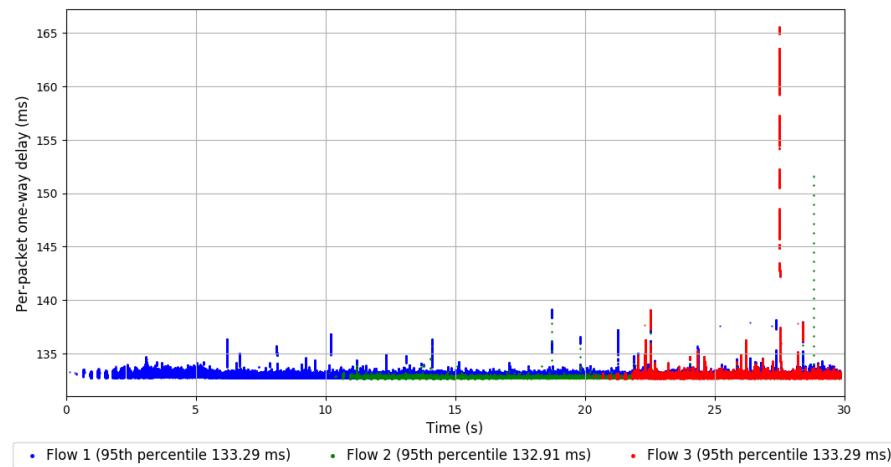
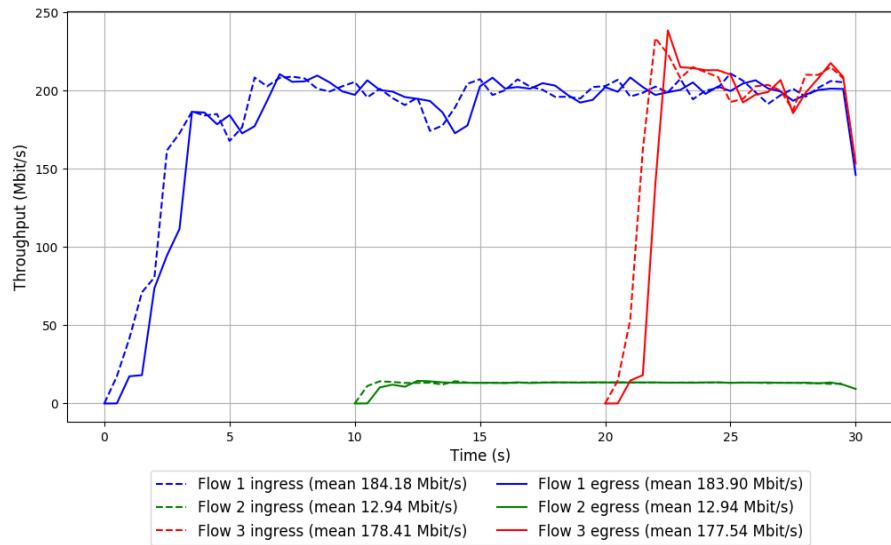


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-11-30 20:15:19
End at: 2018-11-30 20:15:49
Local clock offset: -0.066 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-11-30 23:31:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 250.44 Mbit/s
95th percentile per-packet one-way delay: 133.285 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 183.90 Mbit/s
95th percentile per-packet one-way delay: 133.293 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 132.914 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 177.54 Mbit/s
95th percentile per-packet one-way delay: 133.286 ms
Loss rate: 3.12%
```

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

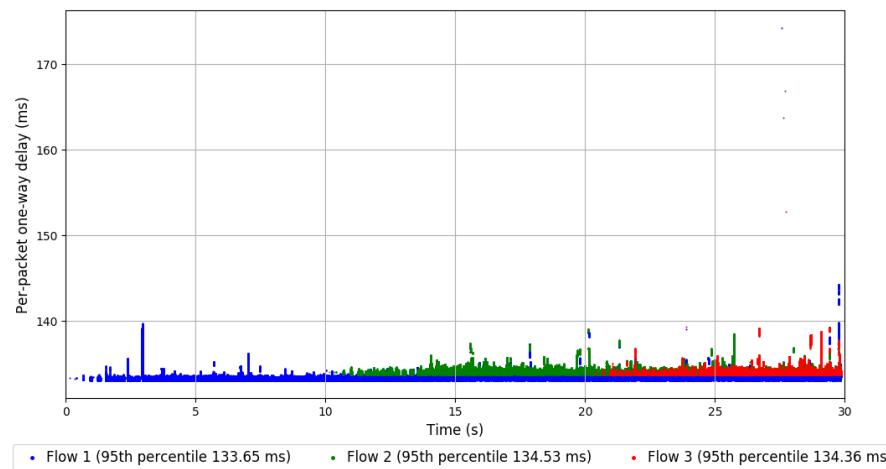
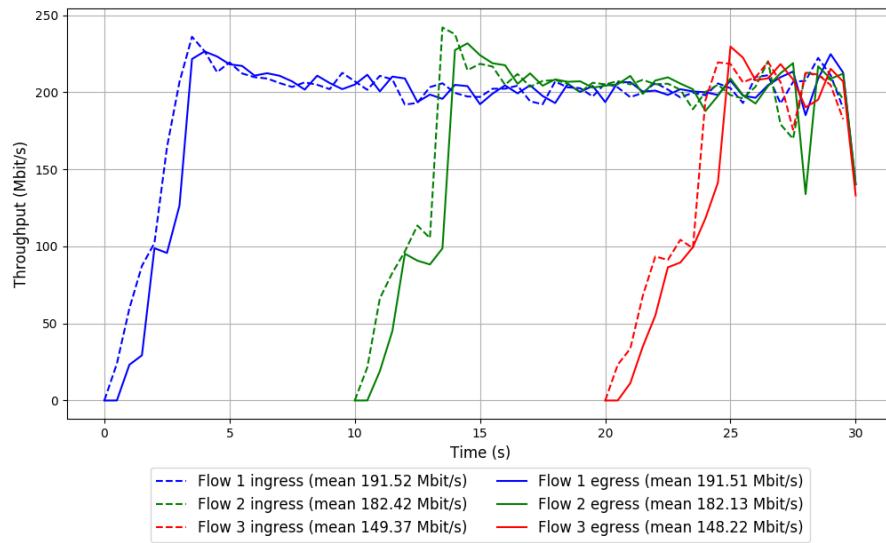


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-11-30 20:53:34
End at: 2018-11-30 20:54:04
Local clock offset: 0.208 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-11-30 23:34:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 360.61 Mbit/s
95th percentile per-packet one-way delay: 134.299 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 191.51 Mbit/s
95th percentile per-packet one-way delay: 133.651 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 182.13 Mbit/s
95th percentile per-packet one-way delay: 134.525 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 148.22 Mbit/s
95th percentile per-packet one-way delay: 134.364 ms
Loss rate: 3.43%
```

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

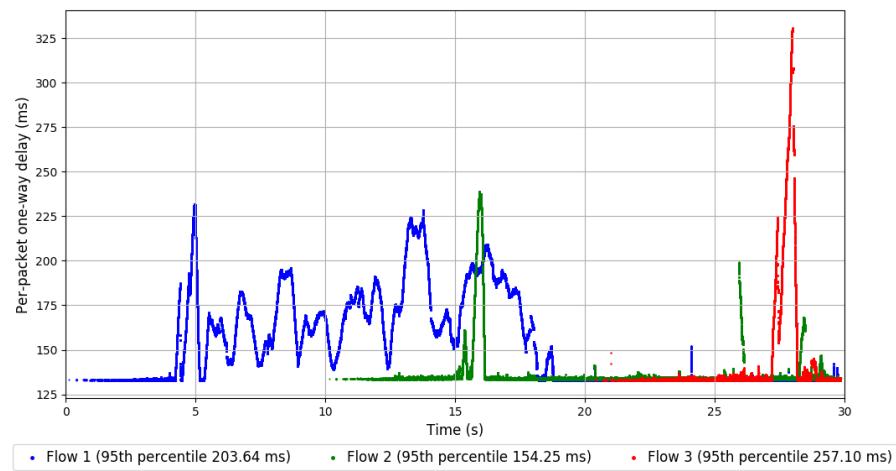
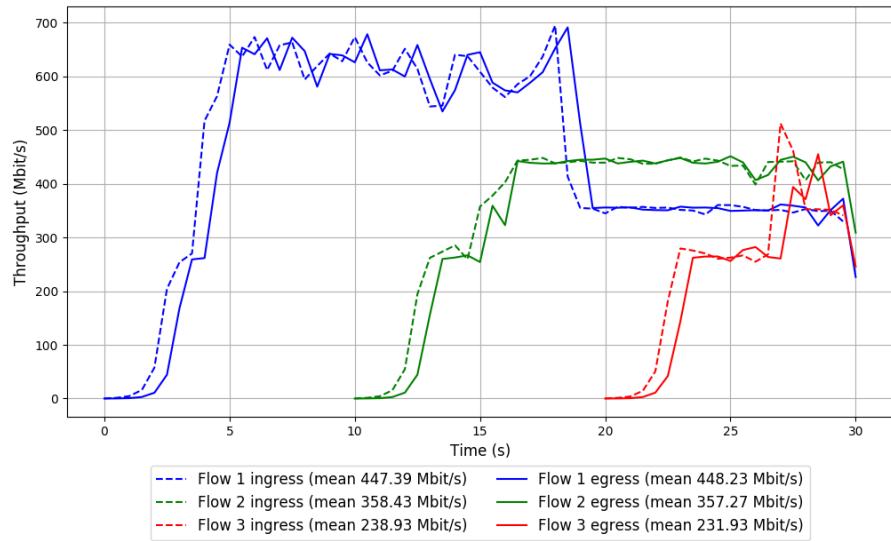


Run 1: Statistics of TCP Vegas

```
Start at: 2018-11-30 18:17:09
End at: 2018-11-30 18:17:39
Local clock offset: -0.235 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2018-11-30 23:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 760.78 Mbit/s
95th percentile per-packet one-way delay: 199.683 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 448.23 Mbit/s
95th percentile per-packet one-way delay: 203.644 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 357.27 Mbit/s
95th percentile per-packet one-way delay: 154.249 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 231.93 Mbit/s
95th percentile per-packet one-way delay: 257.096 ms
Loss rate: 5.53%
```

Run 1: Report of TCP Vegas — Data Link

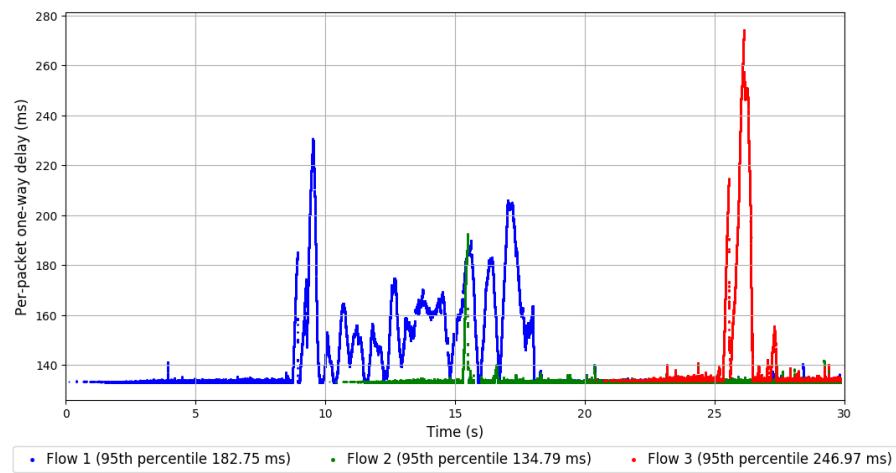
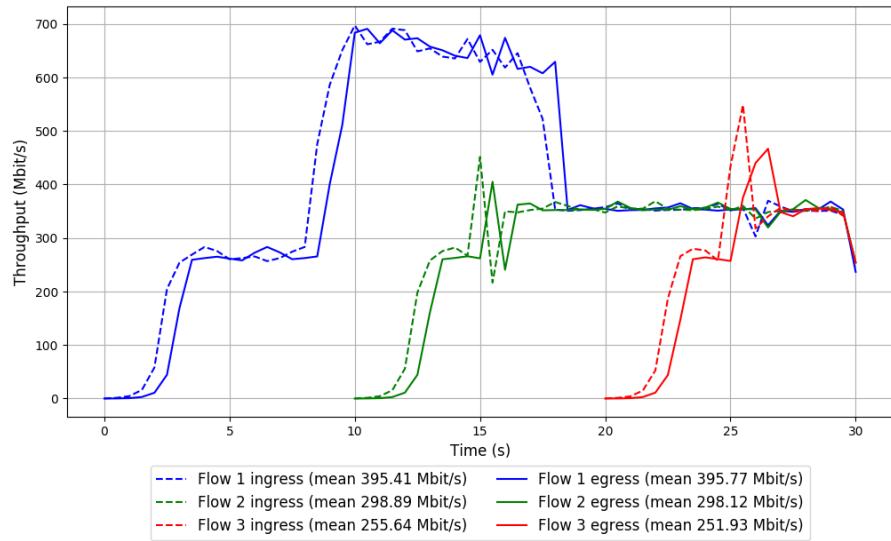


Run 2: Statistics of TCP Vegas

```
Start at: 2018-11-30 18:53:57
End at: 2018-11-30 18:54:27
Local clock offset: -0.198 ms
Remote clock offset: -0.447 ms

# Below is generated by plot.py at 2018-11-30 23:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 675.59 Mbit/s
95th percentile per-packet one-way delay: 181.619 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 395.77 Mbit/s
95th percentile per-packet one-way delay: 182.748 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 298.12 Mbit/s
95th percentile per-packet one-way delay: 134.788 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 251.93 Mbit/s
95th percentile per-packet one-way delay: 246.966 ms
Loss rate: 4.10%
```

Run 2: Report of TCP Vegas — Data Link

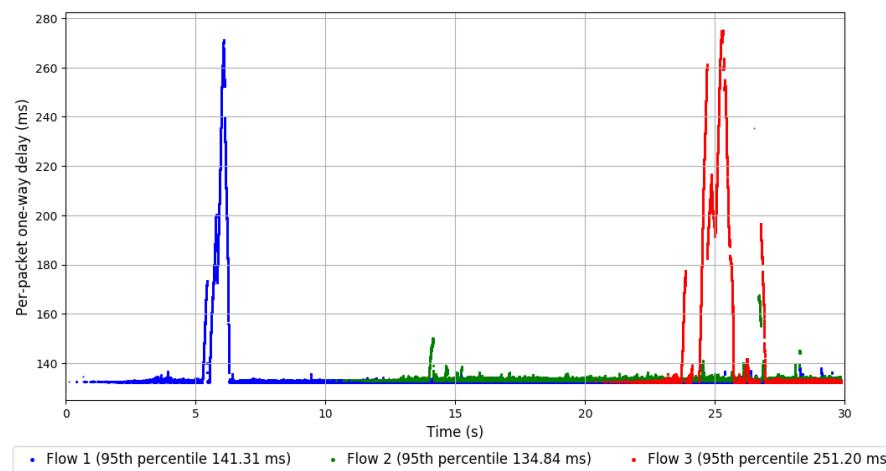
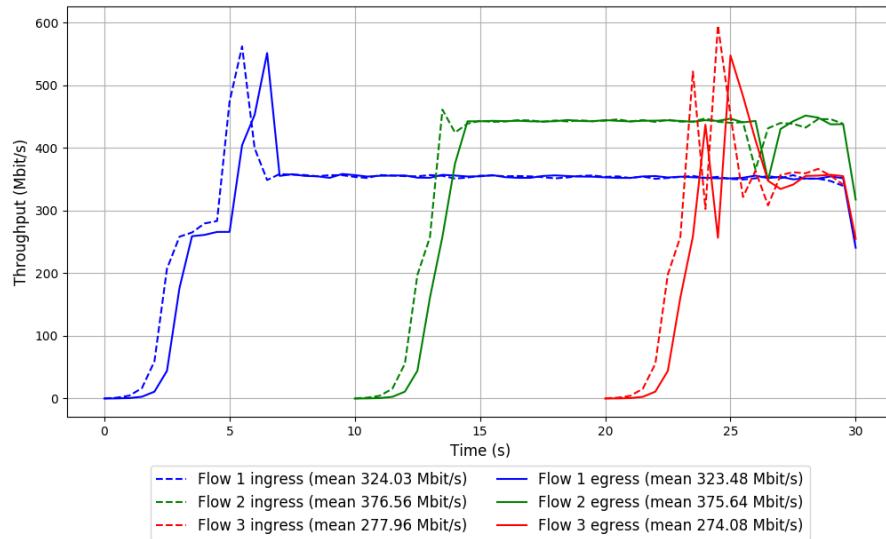


Run 3: Statistics of TCP Vegas

```
Start at: 2018-11-30 19:31:47
End at: 2018-11-30 19:32:17
Local clock offset: -0.192 ms
Remote clock offset: 0.256 ms

# Below is generated by plot.py at 2018-11-30 23:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 662.11 Mbit/s
95th percentile per-packet one-way delay: 171.799 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 323.48 Mbit/s
95th percentile per-packet one-way delay: 141.310 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 375.64 Mbit/s
95th percentile per-packet one-way delay: 134.840 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 274.08 Mbit/s
95th percentile per-packet one-way delay: 251.196 ms
Loss rate: 4.03%
```

Run 3: Report of TCP Vegas — Data Link

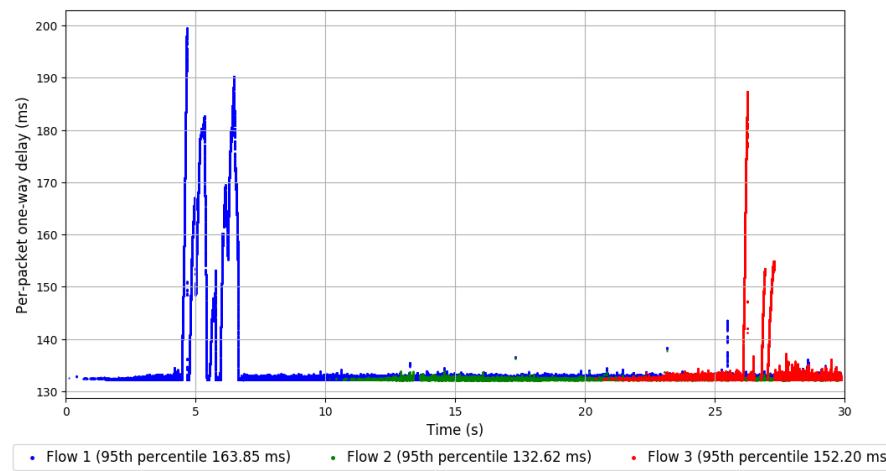
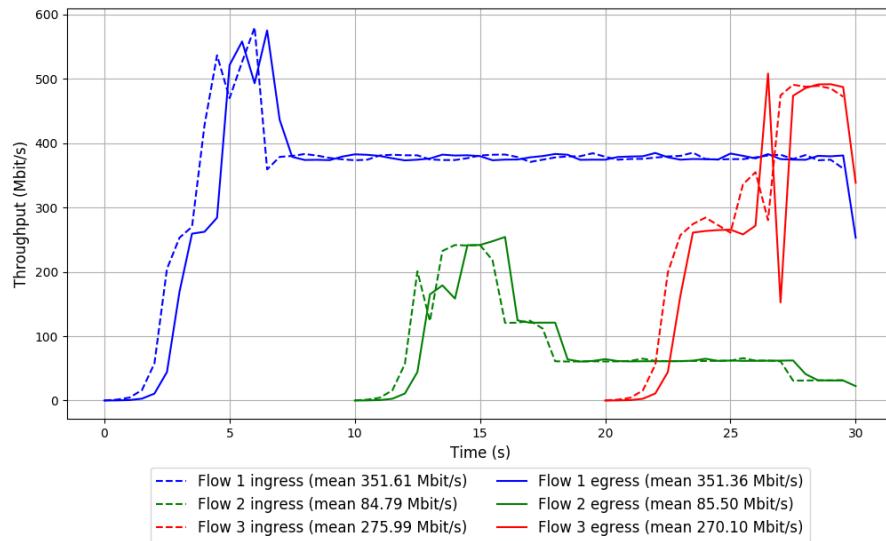


Run 4: Statistics of TCP Vegas

```
Start at: 2018-11-30 20:07:41
End at: 2018-11-30 20:08:11
Local clock offset: -0.31 ms
Remote clock offset: 0.283 ms

# Below is generated by plot.py at 2018-11-30 23:37:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.17 Mbit/s
95th percentile per-packet one-way delay: 158.737 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 351.36 Mbit/s
95th percentile per-packet one-way delay: 163.850 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 132.621 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 270.10 Mbit/s
95th percentile per-packet one-way delay: 152.200 ms
Loss rate: 4.74%
```

Run 4: Report of TCP Vegas — Data Link

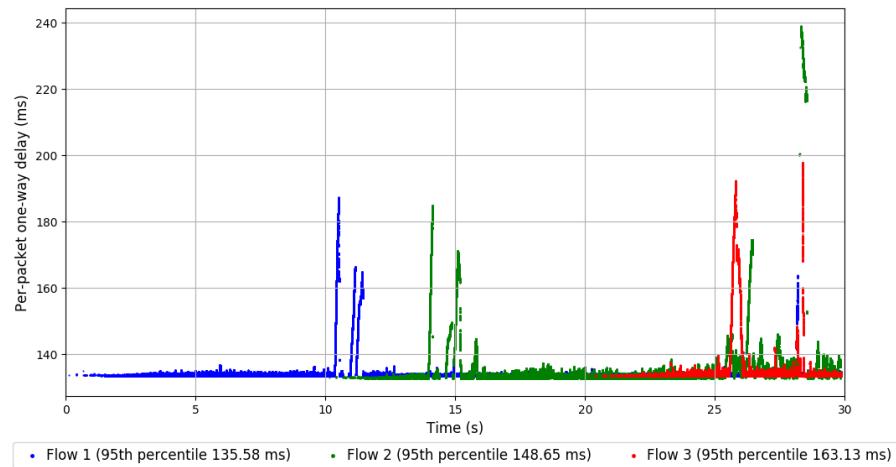
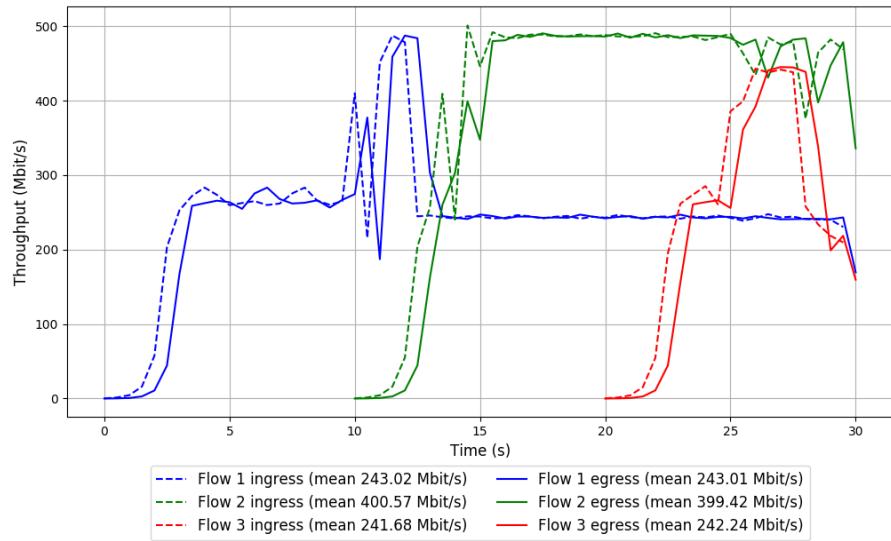


Run 5: Statistics of TCP Vegas

```
Start at: 2018-11-30 20:45:56
End at: 2018-11-30 20:46:26
Local clock offset: -0.412 ms
Remote clock offset: -0.477 ms

# Below is generated by plot.py at 2018-11-30 23:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 586.97 Mbit/s
95th percentile per-packet one-way delay: 146.550 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 243.01 Mbit/s
95th percentile per-packet one-way delay: 135.584 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 399.42 Mbit/s
95th percentile per-packet one-way delay: 148.649 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 242.24 Mbit/s
95th percentile per-packet one-way delay: 163.132 ms
Loss rate: 2.45%
```

Run 5: Report of TCP Vegas — Data Link

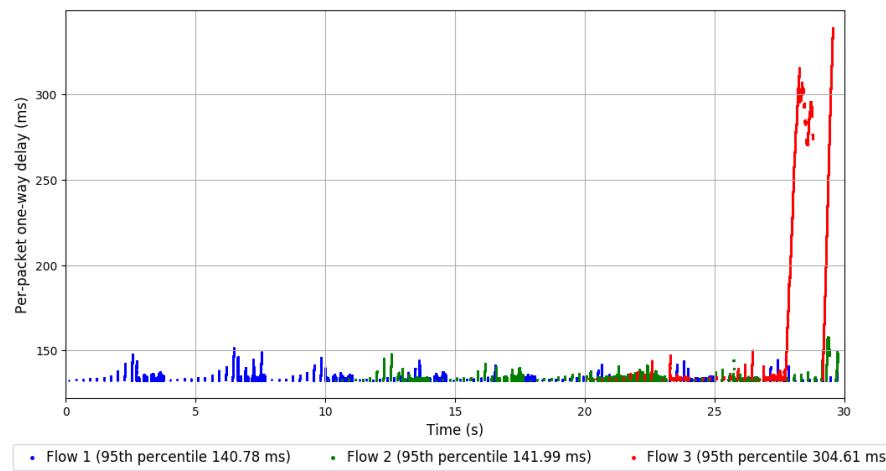
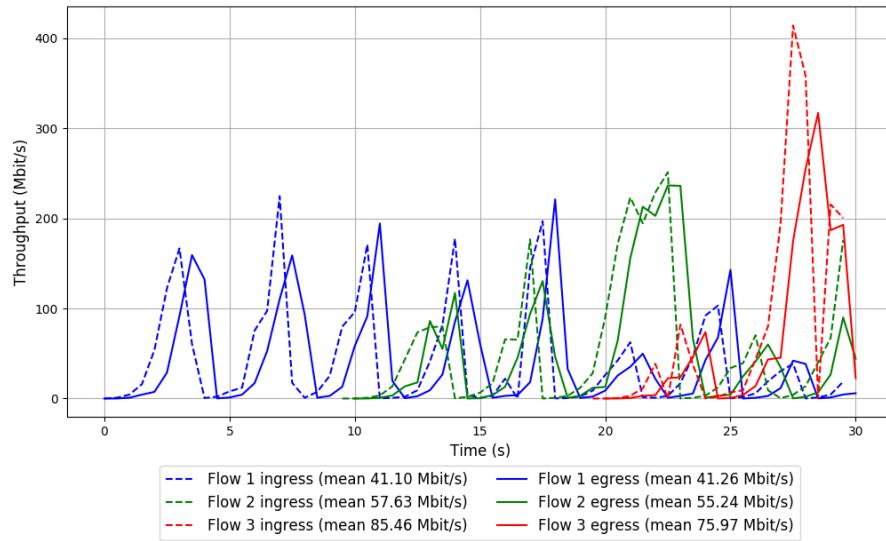


Run 1: Statistics of Verus

```
Start at: 2018-11-30 18:32:58
End at: 2018-11-30 18:33:28
Local clock offset: -0.487 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-11-30 23:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 102.01 Mbit/s
95th percentile per-packet one-way delay: 290.237 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 140.780 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 141.991 ms
Loss rate: 5.72%
-- Flow 3:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 304.606 ms
Loss rate: 15.81%
```

Run 1: Report of Verus — Data Link

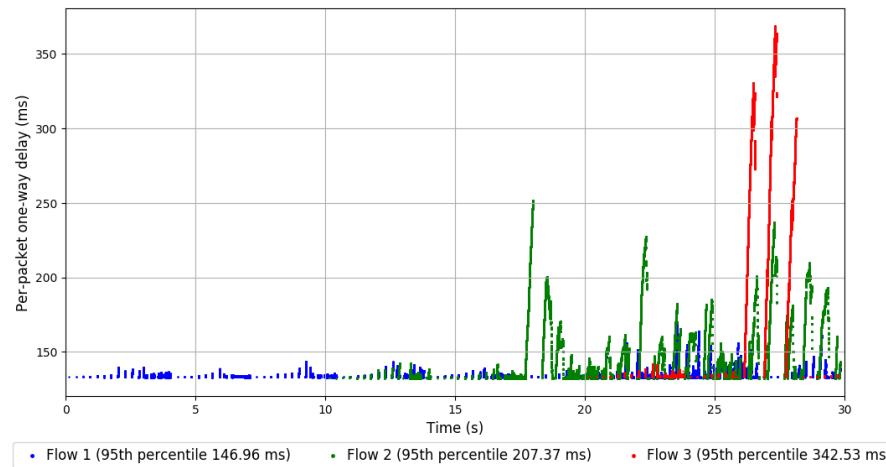
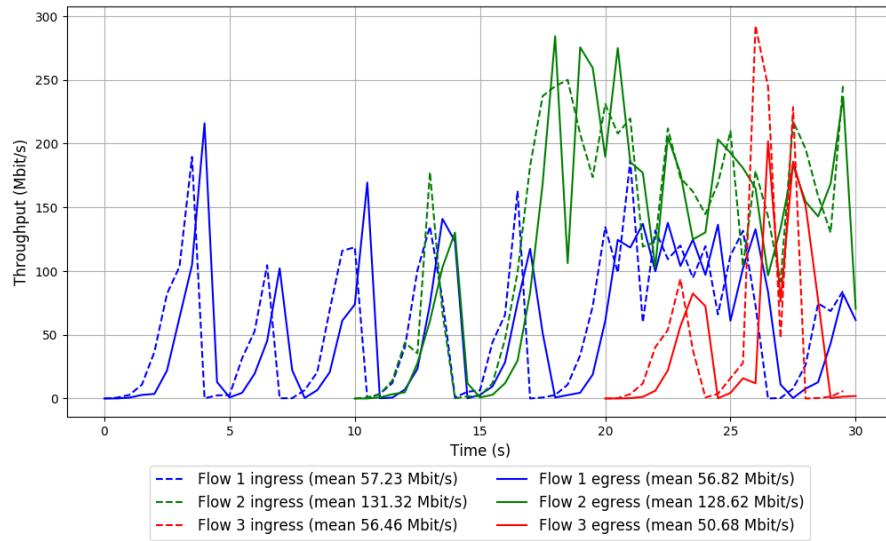


Run 2: Statistics of Verus

```
Start at: 2018-11-30 19:10:31
End at: 2018-11-30 19:11:01
Local clock offset: -0.467 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-11-30 23:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.41 Mbit/s
95th percentile per-packet one-way delay: 234.242 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 146.959 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 128.62 Mbit/s
95th percentile per-packet one-way delay: 207.365 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 50.68 Mbit/s
95th percentile per-packet one-way delay: 342.529 ms
Loss rate: 12.69%
```

Run 2: Report of Verus — Data Link

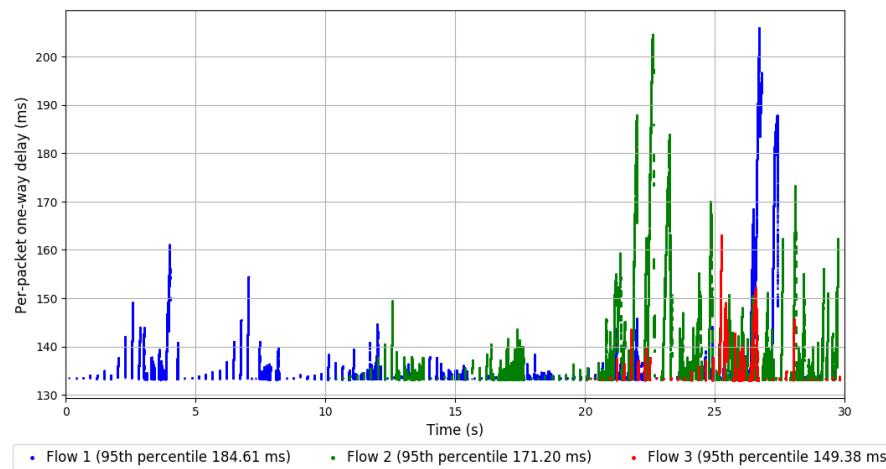
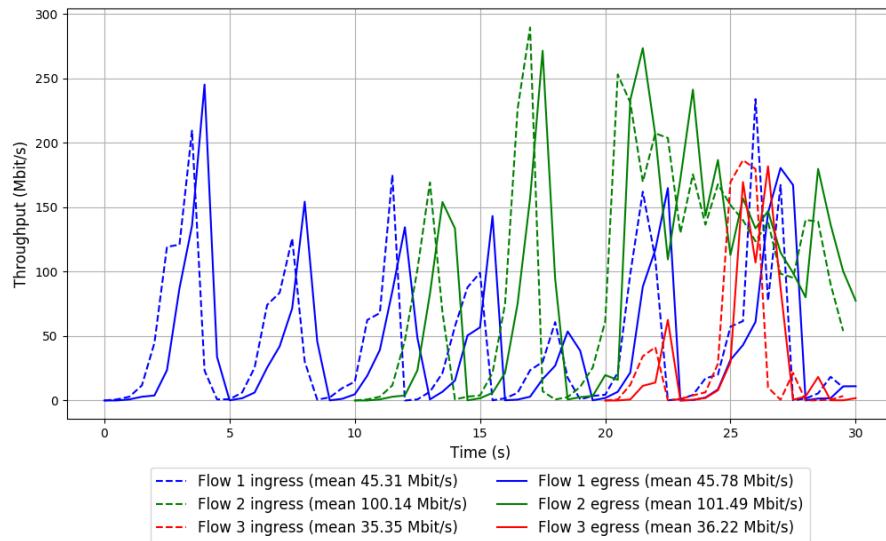


Run 3: Statistics of Verus

```
Start at: 2018-11-30 19:47:27
End at: 2018-11-30 19:47:57
Local clock offset: 0.287 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-11-30 23:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.22 Mbit/s
95th percentile per-packet one-way delay: 174.997 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 184.611 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 101.49 Mbit/s
95th percentile per-packet one-way delay: 171.202 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 149.385 ms
Loss rate: 0.30%
```

Run 3: Report of Verus — Data Link

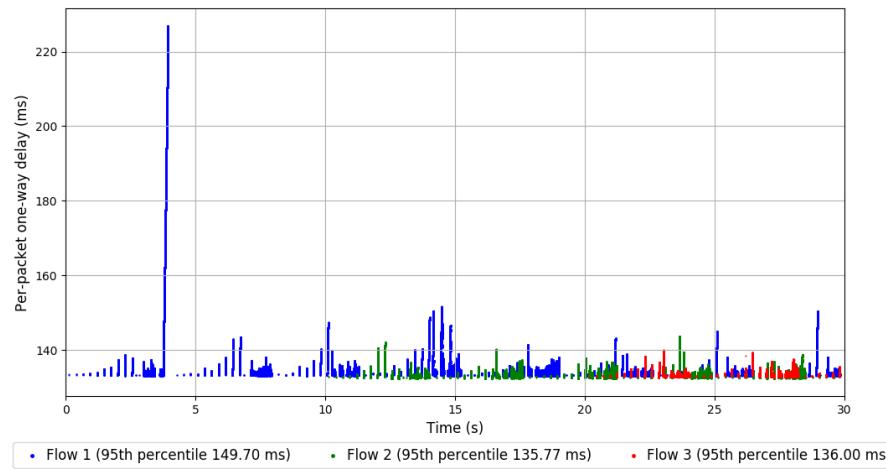
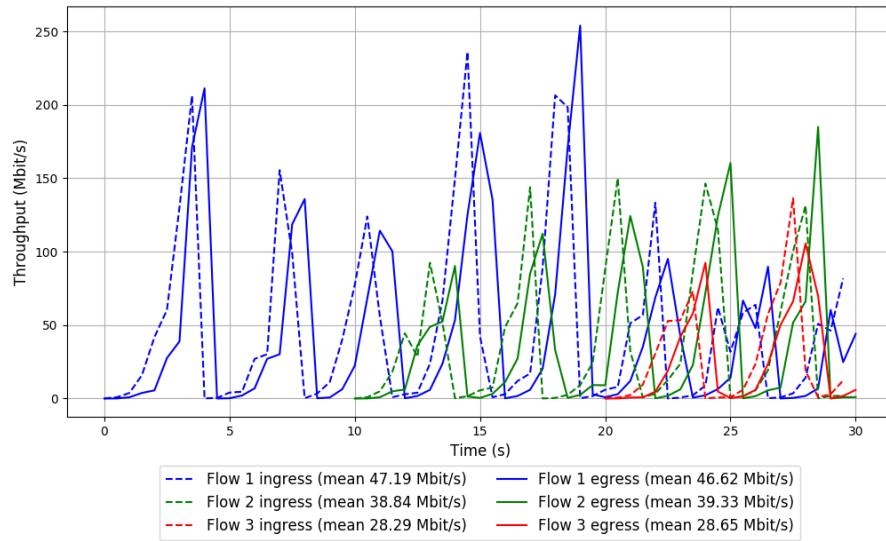


Run 4: Statistics of Verus

```
Start at: 2018-11-30 20:24:13
End at: 2018-11-30 20:24:43
Local clock offset: -0.393 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-11-30 23:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 143.460 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 149.702 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 135.773 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 136.004 ms
Loss rate: 1.50%
```

Run 4: Report of Verus — Data Link

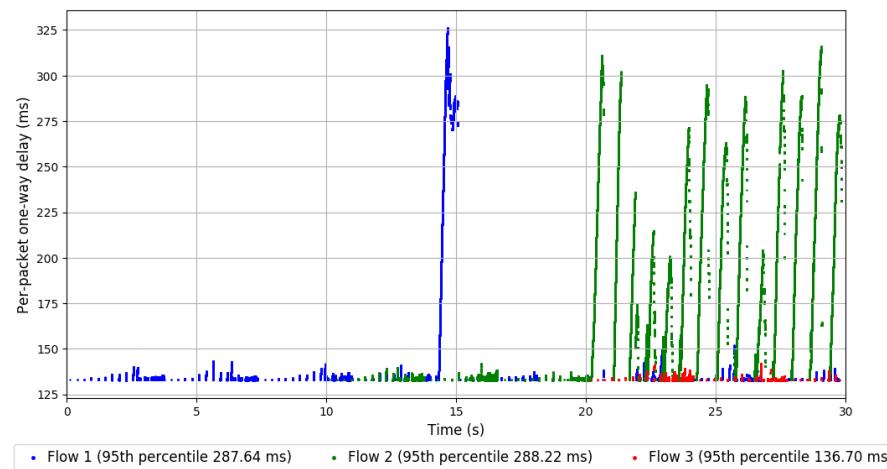
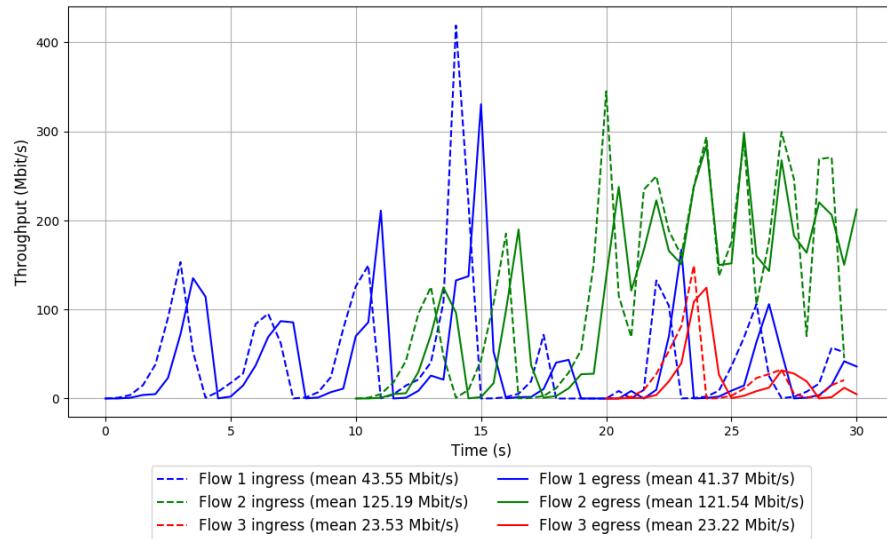


Run 5: Statistics of Verus

```
Start at: 2018-11-30 21:02:09
End at: 2018-11-30 21:02:39
Local clock offset: 0.312 ms
Remote clock offset: 0.276 ms

# Below is generated by plot.py at 2018-11-30 23:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 129.22 Mbit/s
95th percentile per-packet one-way delay: 287.621 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 287.639 ms
Loss rate: 5.98%
-- Flow 2:
Average throughput: 121.54 Mbit/s
95th percentile per-packet one-way delay: 288.221 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 136.699 ms
Loss rate: 4.44%
```

Run 5: Report of Verus — Data Link

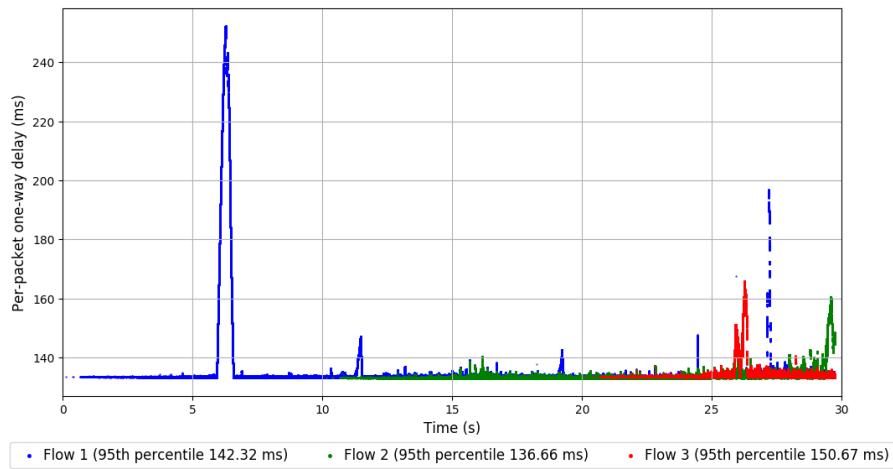
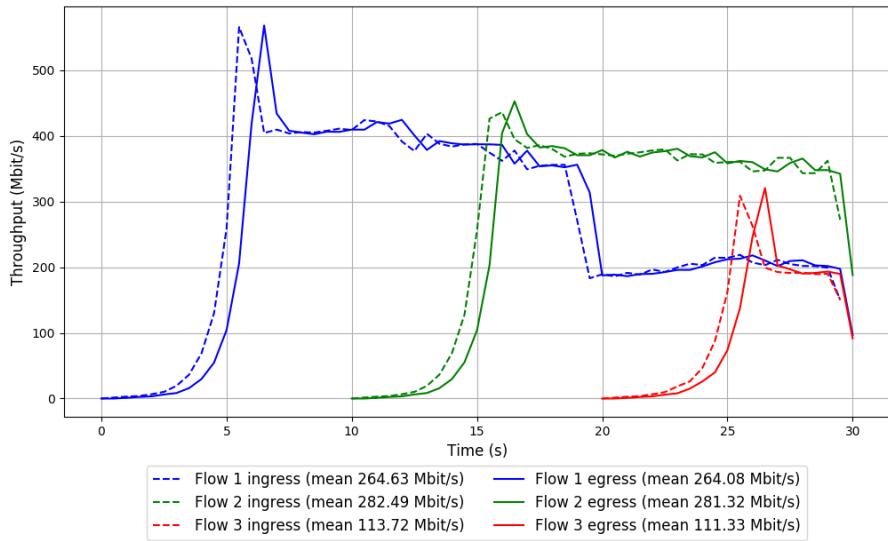


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-11-30 18:27:08
End at: 2018-11-30 18:27:38
Local clock offset: -0.292 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-11-30 23:44:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 486.38 Mbit/s
95th percentile per-packet one-way delay: 140.497 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 264.08 Mbit/s
95th percentile per-packet one-way delay: 142.319 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 281.32 Mbit/s
95th percentile per-packet one-way delay: 136.664 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 111.33 Mbit/s
95th percentile per-packet one-way delay: 150.670 ms
Loss rate: 4.76%
```

Run 1: Report of PCC-Vivace — Data Link

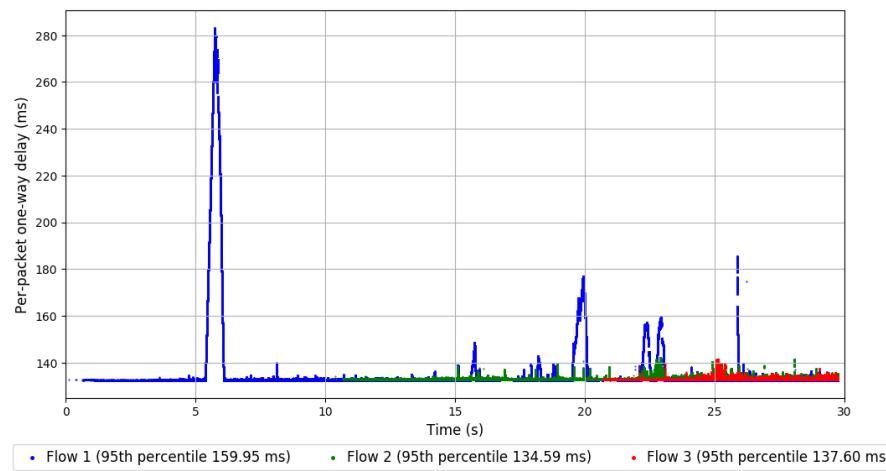
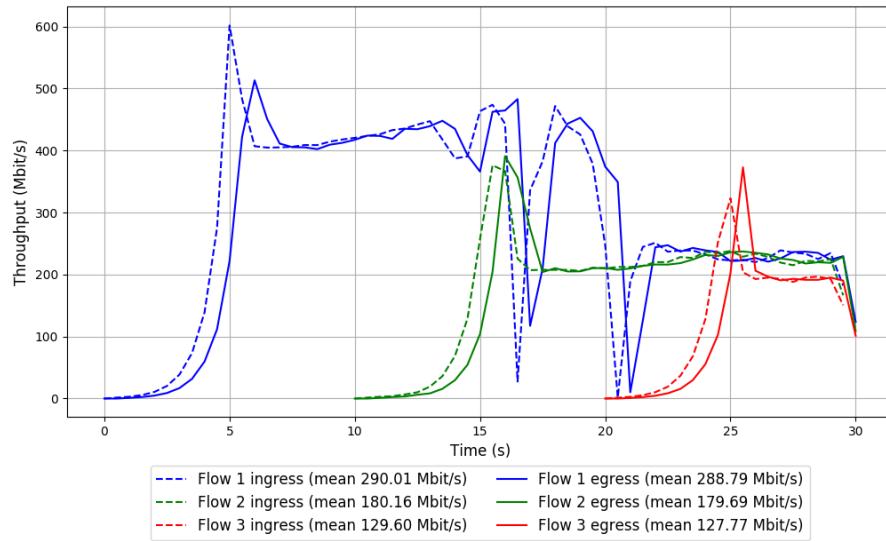


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-11-30 19:04:00
End at: 2018-11-30 19:04:30
Local clock offset: -0.193 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-11-30 23:44:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 449.10 Mbit/s
95th percentile per-packet one-way delay: 145.794 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 288.79 Mbit/s
95th percentile per-packet one-way delay: 159.948 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 179.69 Mbit/s
95th percentile per-packet one-way delay: 134.585 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 127.77 Mbit/s
95th percentile per-packet one-way delay: 137.599 ms
Loss rate: 4.08%
```

Run 2: Report of PCC-Vivace — Data Link

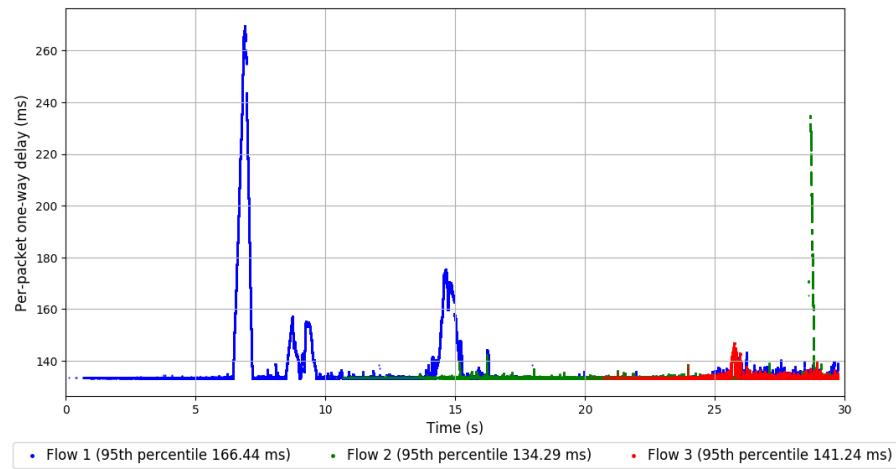
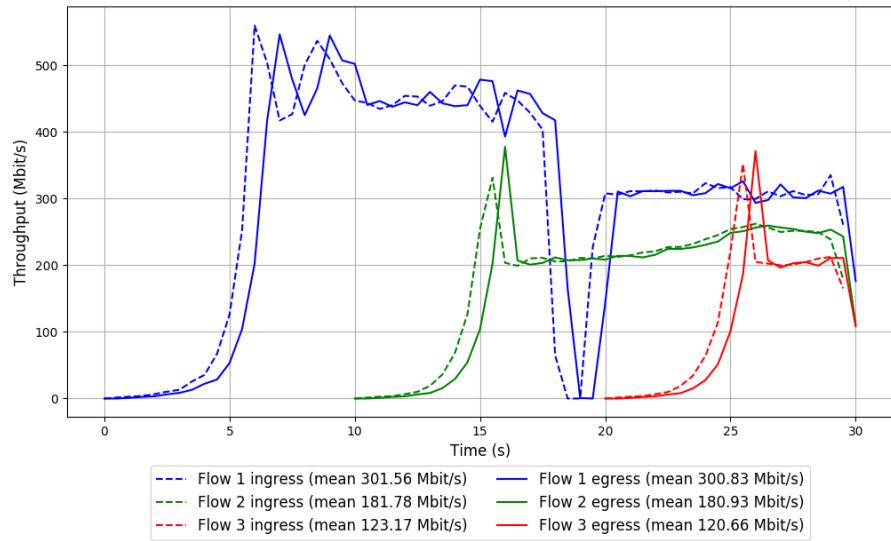


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-11-30 19:41:13
End at: 2018-11-30 19:41:43
Local clock offset: -0.16 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-11-30 23:44:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.69 Mbit/s
95th percentile per-packet one-way delay: 155.030 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 300.83 Mbit/s
95th percentile per-packet one-way delay: 166.437 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 180.93 Mbit/s
95th percentile per-packet one-way delay: 134.286 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 120.66 Mbit/s
95th percentile per-packet one-way delay: 141.243 ms
Loss rate: 4.70%
```

Run 3: Report of PCC-Vivace — Data Link

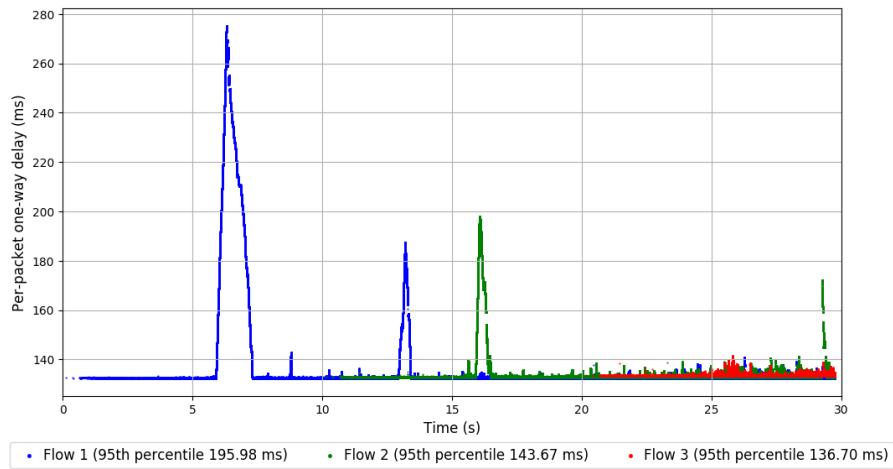
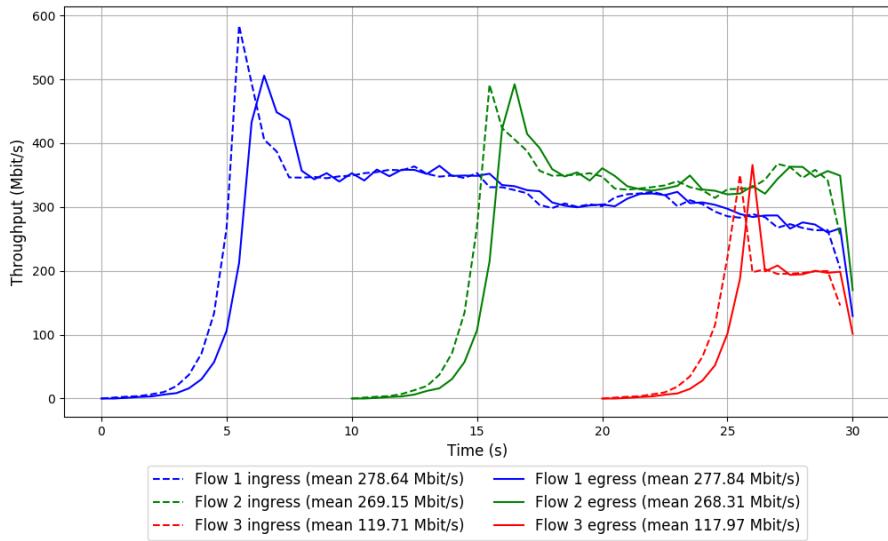


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-11-30 20:17:15
End at: 2018-11-30 20:17:45
Local clock offset: -0.075 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-11-30 23:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.68 Mbit/s
95th percentile per-packet one-way delay: 167.845 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 277.84 Mbit/s
95th percentile per-packet one-way delay: 195.977 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 268.31 Mbit/s
95th percentile per-packet one-way delay: 143.671 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 117.97 Mbit/s
95th percentile per-packet one-way delay: 136.700 ms
Loss rate: 4.13%
```

Run 4: Report of PCC-Vivace — Data Link

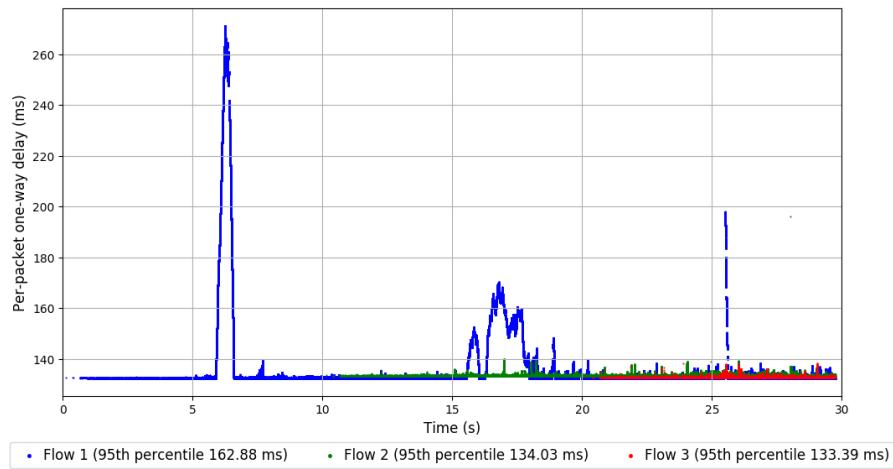
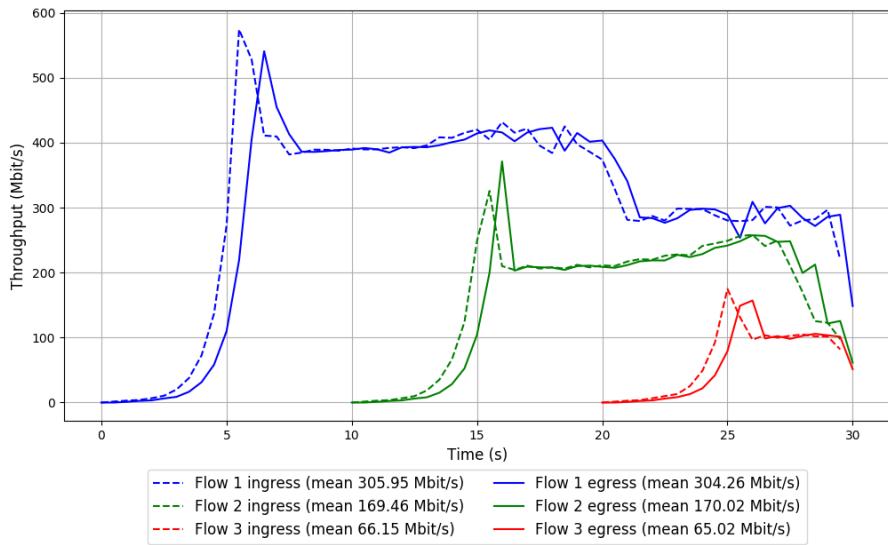


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-11-30 20:55:58
End at: 2018-11-30 20:56:28
Local clock offset: -0.054 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-11-30 23:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 437.86 Mbit/s
95th percentile per-packet one-way delay: 156.962 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 304.26 Mbit/s
95th percentile per-packet one-way delay: 162.876 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 170.02 Mbit/s
95th percentile per-packet one-way delay: 134.033 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 133.387 ms
Loss rate: 4.38%
```

Run 5: Report of PCC-Vivace — Data Link

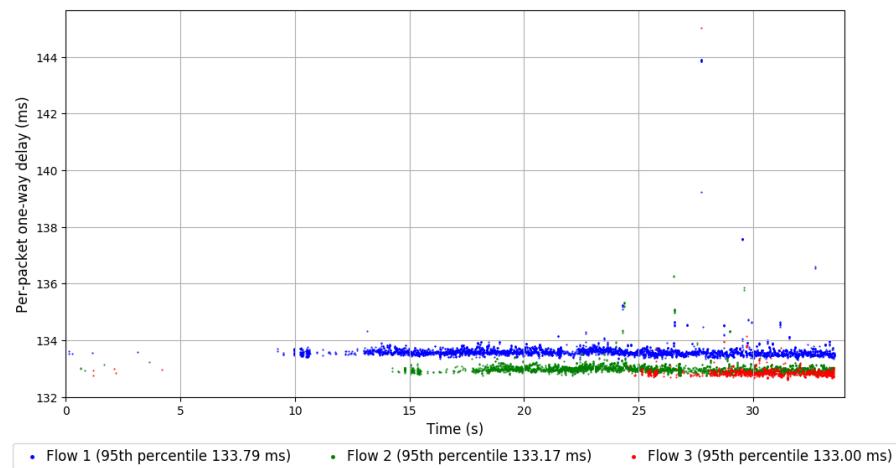
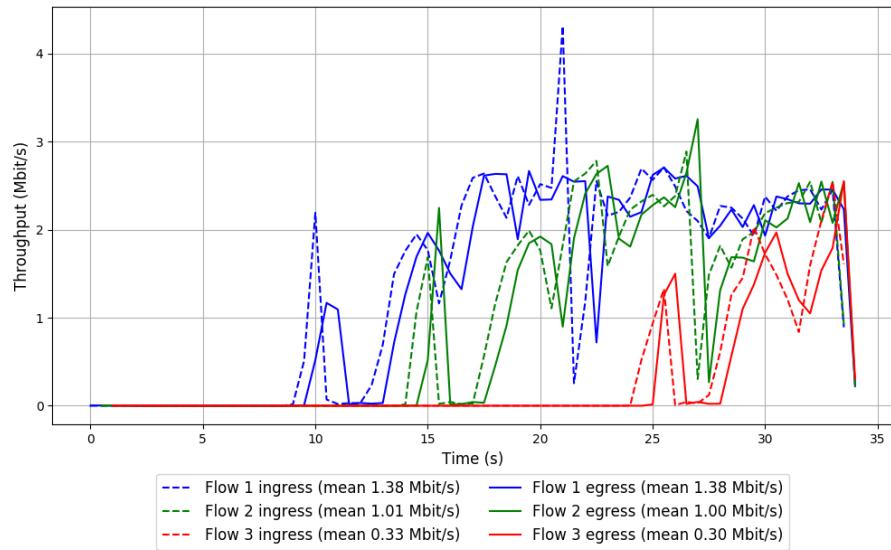


Run 1: Statistics of WebRTC media

```
Start at: 2018-11-30 18:43:57
End at: 2018-11-30 18:44:27
Local clock offset: -0.22 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-11-30 23:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 133.731 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 133.791 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 133.167 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.003 ms
Loss rate: 8.73%
```

Run 1: Report of WebRTC media — Data Link

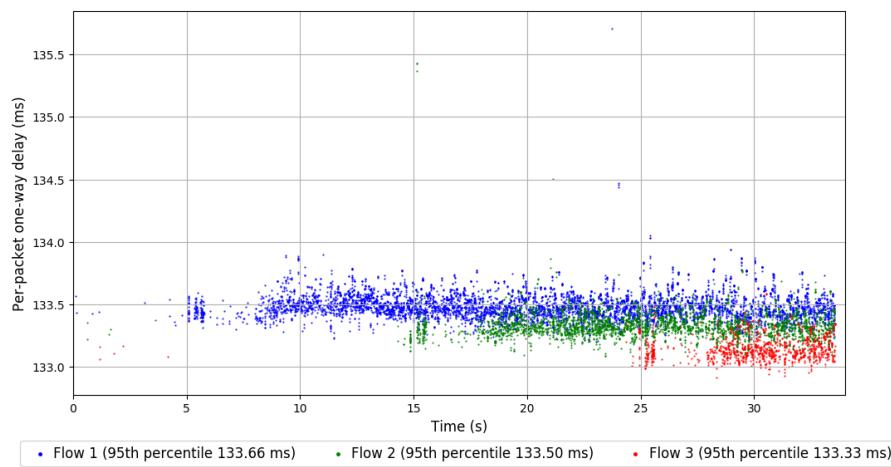
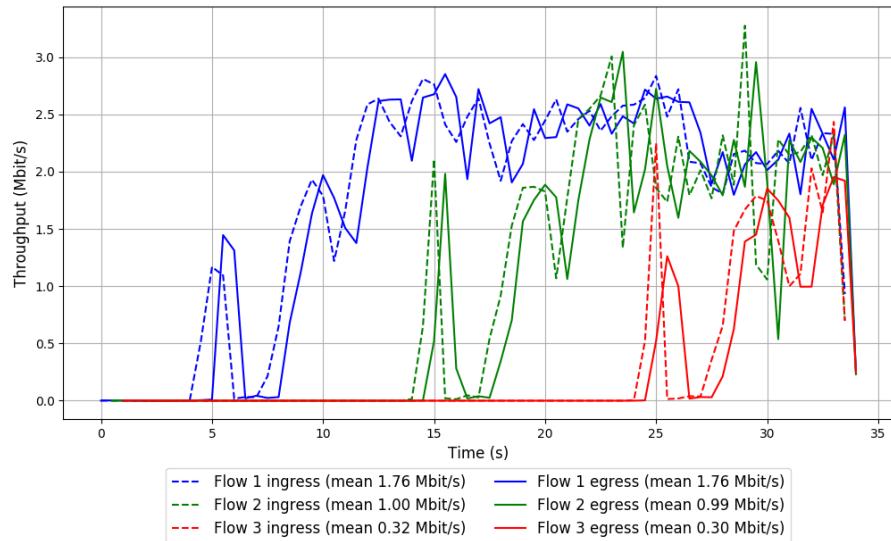


Run 2: Statistics of WebRTC media

```
Start at: 2018-11-30 19:22:05
End at: 2018-11-30 19:22:35
Local clock offset: -0.348 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-11-30 23:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 133.620 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 133.659 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 133.502 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.328 ms
Loss rate: 6.34%
```

Run 2: Report of WebRTC media — Data Link

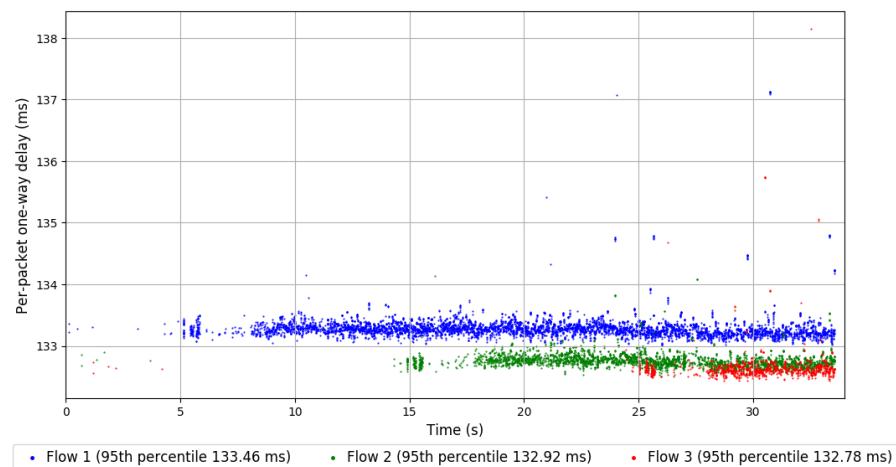
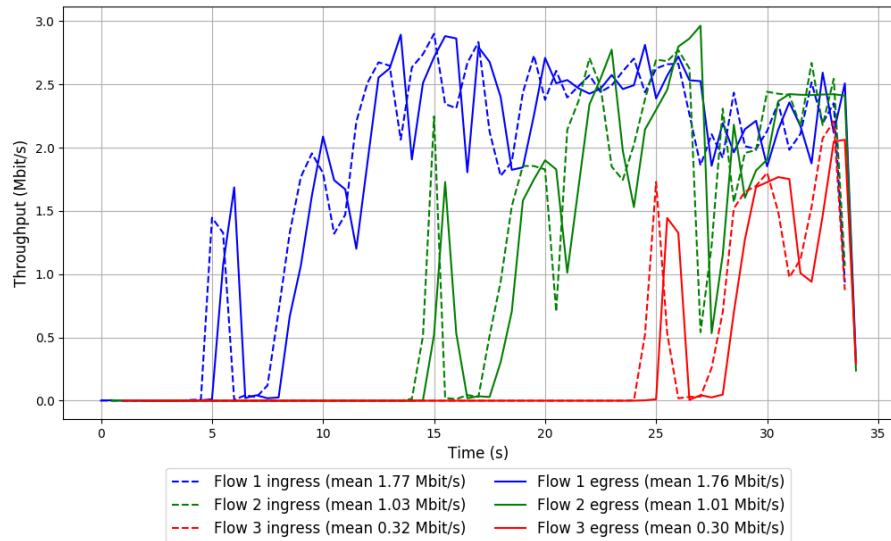


Run 3: Statistics of WebRTC media

```
Start at: 2018-11-30 19:57:41
End at: 2018-11-30 19:58:11
Local clock offset: -0.004 ms
Remote clock offset: 0.275 ms

# Below is generated by plot.py at 2018-11-30 23:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 133.413 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 133.464 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 132.924 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 132.776 ms
Loss rate: 5.48%
```

Run 3: Report of WebRTC media — Data Link

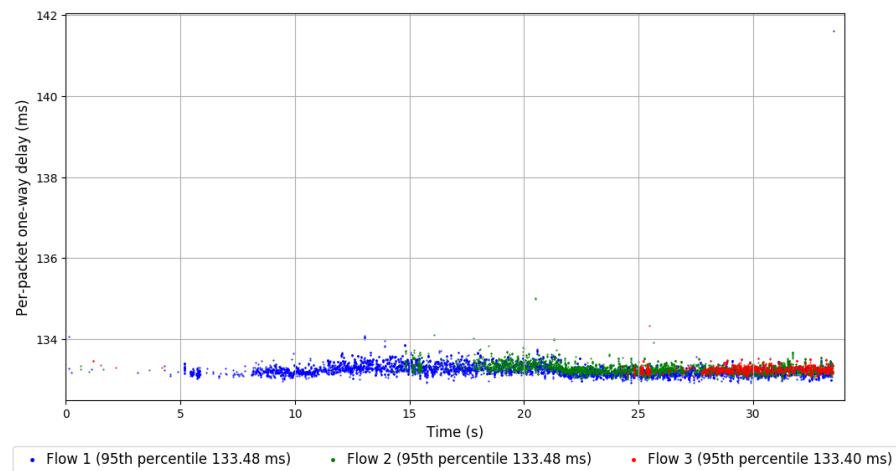
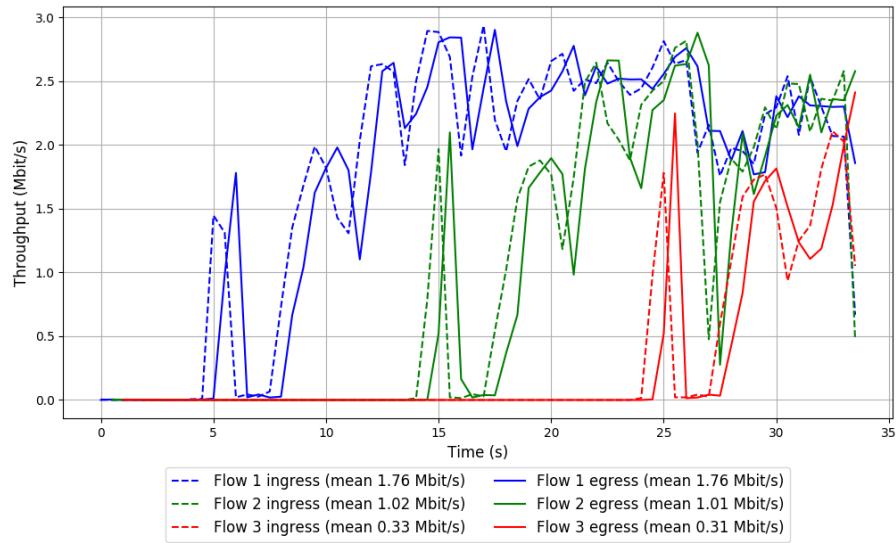


Run 4: Statistics of WebRTC media

```
Start at: 2018-11-30 20:35:50
End at: 2018-11-30 20:36:20
Local clock offset: -0.202 ms
Remote clock offset: -0.491 ms

# Below is generated by plot.py at 2018-11-30 23:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 133.473 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 133.477 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 133.481 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 133.399 ms
Loss rate: 6.90%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2018-11-30 21:14:04
End at: 2018-11-30 21:14:34
Local clock offset: 0.172 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-11-30 23:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 133.828 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 133.502 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 133.816 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 133.964 ms
Loss rate: 9.08%
```

Run 5: Report of WebRTC media — Data Link

