

Pantheon Report

Generated at 2019-08-27 03:00:46 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

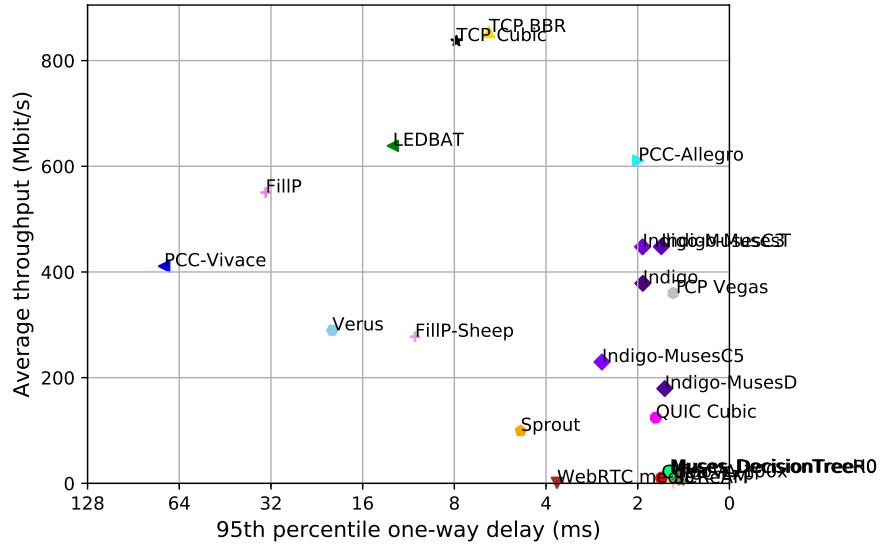
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

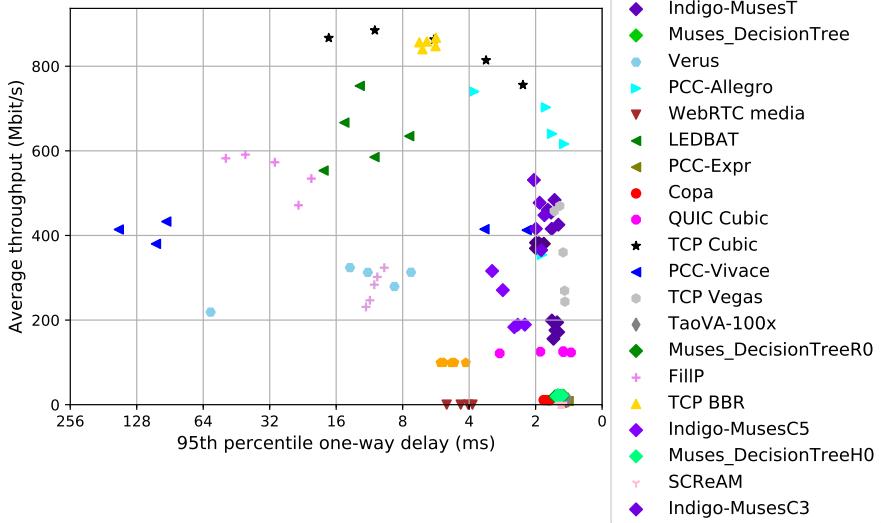
```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce6963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

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

test from AWS California 1 to Stanford, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 1 to Stanford, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



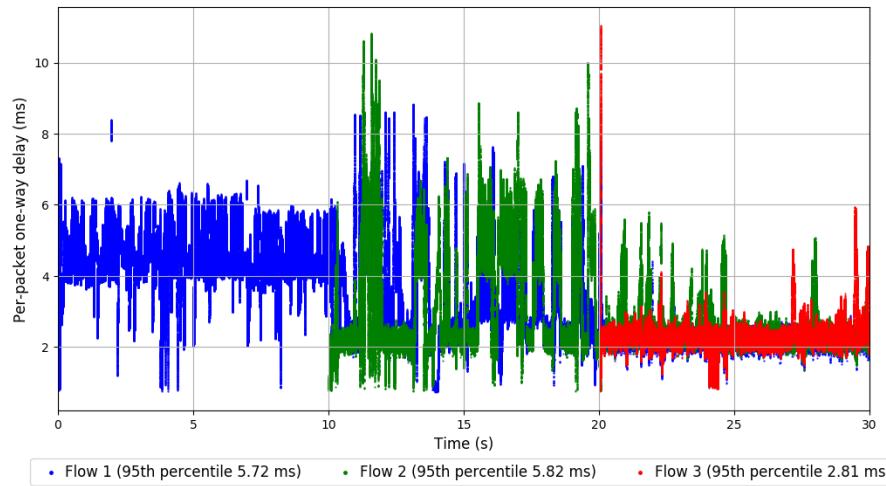
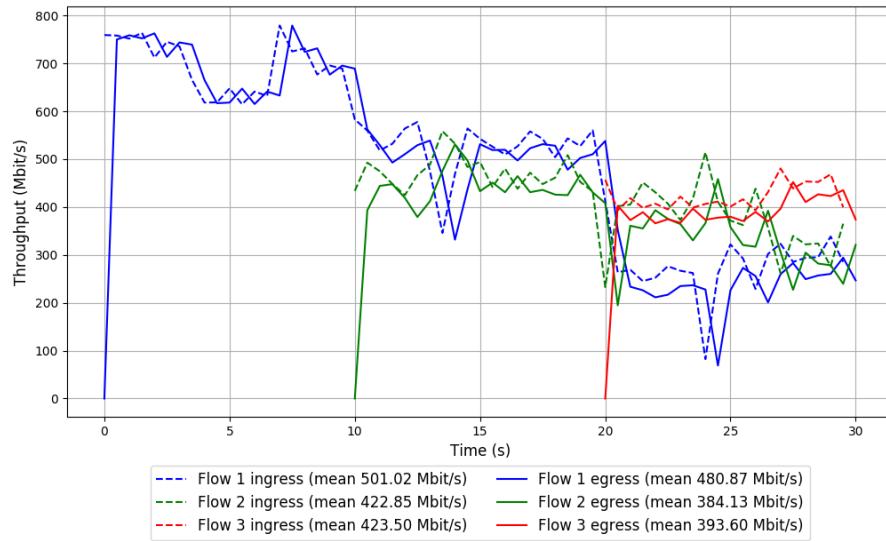
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 5 | 490.05 | 368.91 | 355.76 | 5.84 | 6.54 | 5.35 | 4.04 | 7.92 | 9.26 |
| Copa | 5 | 4.39 | 7.17 | 4.01 | 1.39 | 1.45 | 2.04 | 60.27 | 50.84 | 51.88 |
| TCP Cubic | 5 | 473.60 | 396.12 | 299.14 | 8.60 | 2.55 | 2.10 | 0.06 | 0.06 | 0.09 |
| FillP | 5 | 386.59 | 160.15 | 172.62 | 35.35 | 27.63 | 27.65 | 5.77 | 9.03 | 11.75 |
| FillP-Sheep | 5 | 227.23 | 58.57 | 34.05 | 11.22 | 4.84 | 6.72 | 0.58 | 1.79 | 2.25 |
| Indigo | 5 | 199.23 | 182.66 | 179.87 | 1.77 | 1.83 | 2.34 | 0.01 | 0.02 | 0.04 |
| Indigo-MusesC3 | 5 | 248.12 | 224.31 | 193.83 | 1.73 | 2.28 | 1.91 | 0.04 | 0.11 | 0.01 |
| Indigo-MusesC5 | 5 | 107.39 | 96.51 | 196.81 | 1.62 | 3.48 | 2.41 | 0.01 | 0.06 | 0.02 |
| Indigo-MusesD | 5 | 95.56 | 88.57 | 90.62 | 1.41 | 1.30 | 1.53 | 0.00 | 0.02 | 0.00 |
| Indigo-MusesT | 5 | 240.18 | 239.69 | 184.99 | 1.38 | 1.54 | 1.64 | 0.01 | 0.03 | 0.04 |
| LEDBAT | 5 | 366.81 | 295.74 | 244.28 | 13.57 | 6.96 | 5.44 | 0.13 | 0.24 | 0.25 |
| Muses_DecisionTree | 5 | 10.14 | 10.11 | 10.21 | 1.27 | 1.25 | 1.21 | 0.00 | 0.00 | 0.00 |
| Muses_DecisionTreeH0 | 5 | 10.34 | 10.39 | 10.67 | 1.30 | 1.28 | 1.42 | 0.00 | 0.00 | 0.01 |
| Muses_DecisionTreeR0 | 5 | 9.74 | 9.95 | 10.25 | 1.28 | 1.28 | 1.29 | 0.01 | 0.00 | 0.00 |
| PCC-Allegro | 5 | 421.19 | 216.35 | 138.61 | 1.93 | 1.32 | 1.46 | 0.12 | 0.10 | 0.13 |
| PCC-Expr | 5 | 0.68 | 7.87 | 5.92 | 1.21 | 1.12 | 1.09 | 85.71 | 23.74 | 20.88 |
| QUIC Cubic | 5 | 64.49 | 64.25 | 51.86 | 0.96 | 1.61 | 5.52 | 0.05 | 0.02 | 0.04 |
| SCReAM | 5 | 0.21 | 0.22 | 0.22 | 1.22 | 1.22 | 1.22 | 0.04 | 0.00 | 0.00 |
| Sprout | 5 | 49.87 | 49.76 | 49.39 | 4.84 | 4.82 | 4.84 | 0.16 | 0.15 | 0.26 |
| TaoVA-100x | 5 | 5.00 | 7.39 | 5.09 | 1.15 | 1.07 | 1.05 | 44.42 | 51.22 | 70.64 |
| TCP Vegas | 5 | 129.87 | 230.04 | 231.16 | 1.43 | 1.22 | 1.29 | 0.01 | 0.01 | 0.03 |
| Verus | 5 | 156.17 | 131.67 | 139.23 | 26.30 | 22.82 | 22.28 | 1.81 | 2.41 | 2.43 |
| PCC-Vivace | 5 | 208.88 | 214.30 | 180.22 | 65.98 | 55.12 | 67.43 | 0.43 | 0.13 | 0.85 |
| WebRTC media | 5 | 0.47 | 0.33 | 0.16 | 3.75 | 3.10 | 3.97 | 0.00 | 0.00 | 0.00 |

Run 1: Statistics of TCP BBR

```
Start at: 2019-08-26 23:35:24
End at: 2019-08-26 23:35:54
Local clock offset: -0.241 ms
Remote clock offset: 3.13 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 867.59 Mbit/s
95th percentile per-packet one-way delay: 5.658 ms
Loss rate: 6.05%
-- Flow 1:
Average throughput: 480.87 Mbit/s
95th percentile per-packet one-way delay: 5.716 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 384.13 Mbit/s
95th percentile per-packet one-way delay: 5.820 ms
Loss rate: 9.15%
-- Flow 3:
Average throughput: 393.60 Mbit/s
95th percentile per-packet one-way delay: 2.813 ms
Loss rate: 7.05%
```

Run 1: Report of TCP BBR — Data Link

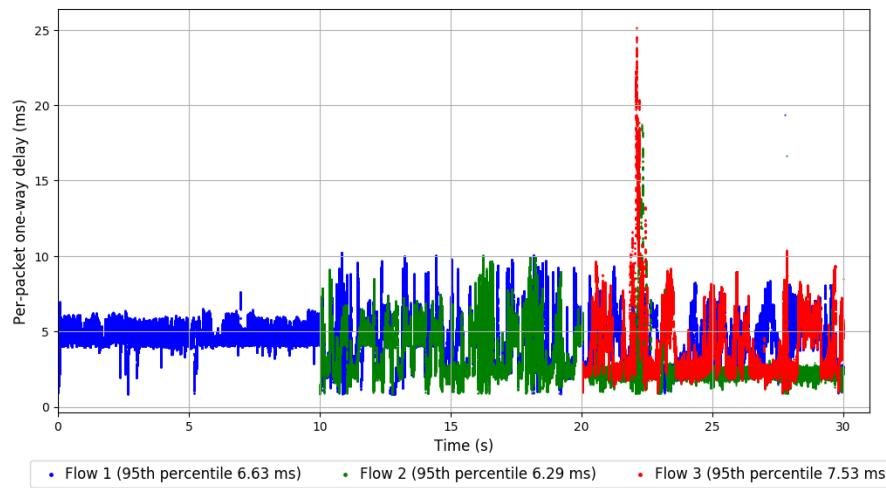
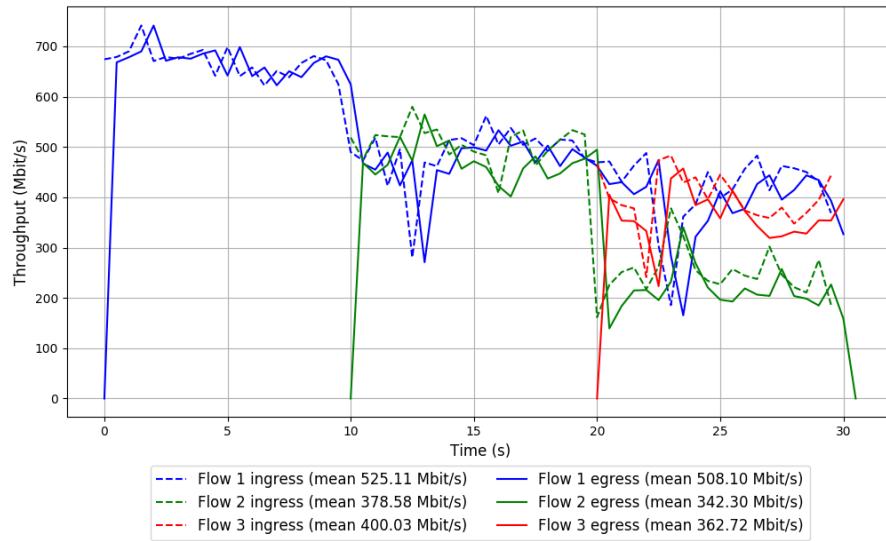


Run 2: Statistics of TCP BBR

```
Start at: 2019-08-27 00:09:06
End at: 2019-08-27 00:09:36
Local clock offset: -0.434 ms
Remote clock offset: 2.132 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 856.65 Mbit/s
95th percentile per-packet one-way delay: 6.725 ms
Loss rate: 5.87%
-- Flow 1:
Average throughput: 508.10 Mbit/s
95th percentile per-packet one-way delay: 6.632 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 342.30 Mbit/s
95th percentile per-packet one-way delay: 6.289 ms
Loss rate: 9.55%
-- Flow 3:
Average throughput: 362.72 Mbit/s
95th percentile per-packet one-way delay: 7.533 ms
Loss rate: 9.32%
```

Run 2: Report of TCP BBR — Data Link

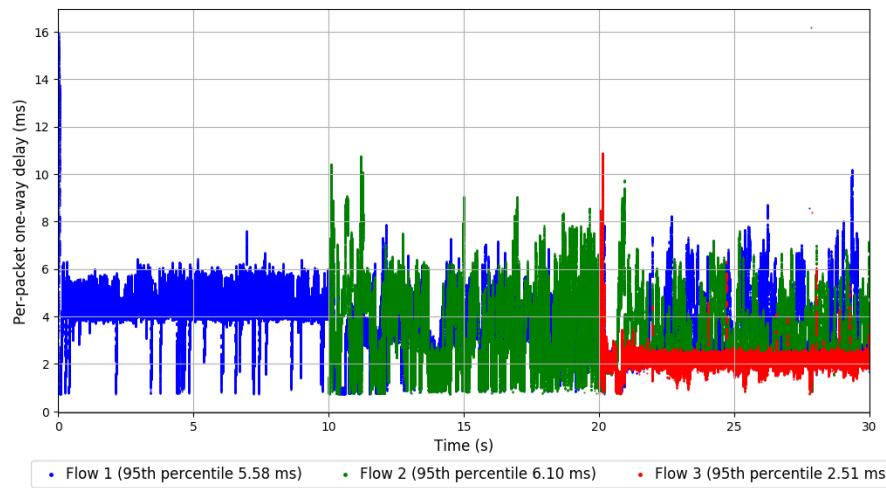
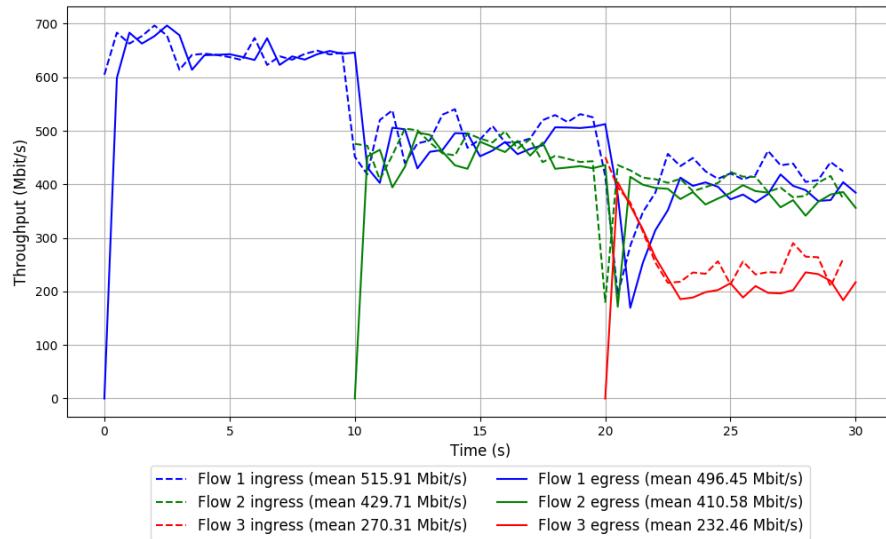


Run 3: Statistics of TCP BBR

```
Start at: 2019-08-27 00:42:47
End at: 2019-08-27 00:43:17
Local clock offset: -0.64 ms
Remote clock offset: 2.855 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 847.51 Mbit/s
95th percentile per-packet one-way delay: 5.680 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 496.45 Mbit/s
95th percentile per-packet one-way delay: 5.577 ms
Loss rate: 3.77%
-- Flow 2:
Average throughput: 410.58 Mbit/s
95th percentile per-packet one-way delay: 6.100 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 232.46 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 13.99%
```

Run 3: Report of TCP BBR — Data Link

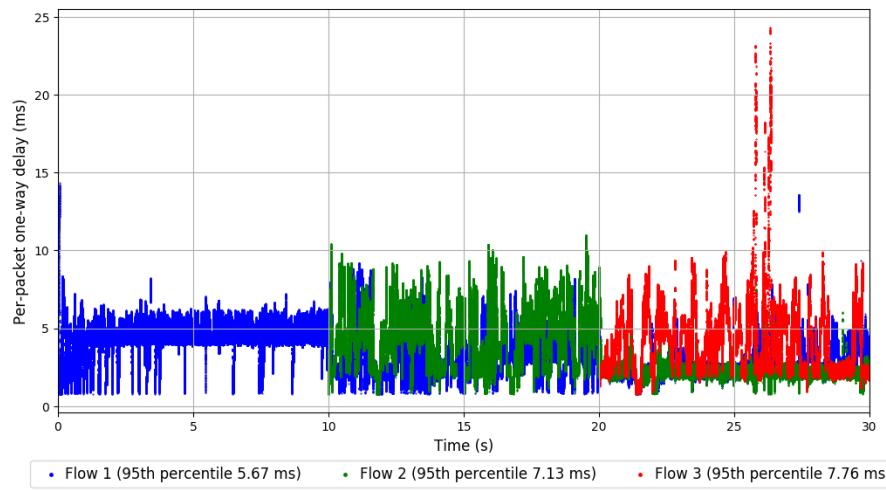
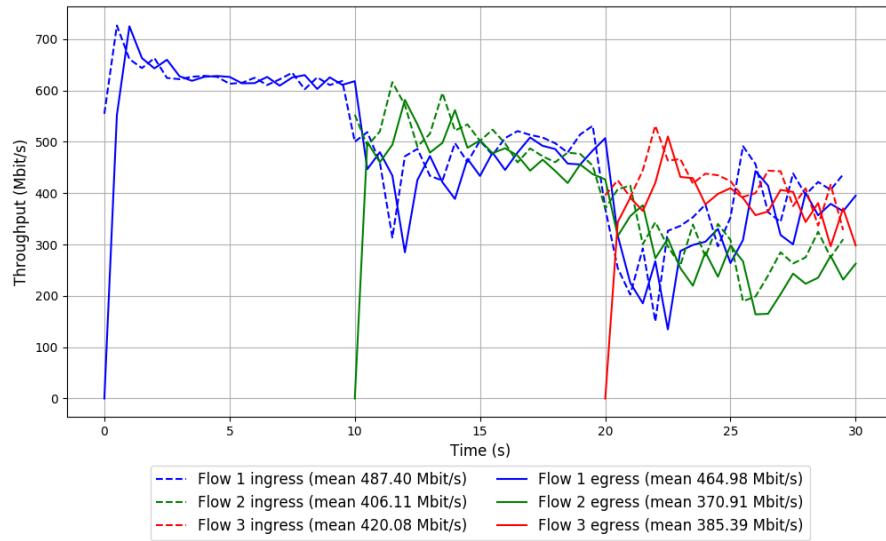


Run 4: Statistics of TCP BBR

```
Start at: 2019-08-27 01:16:32
End at: 2019-08-27 01:17:02
Local clock offset: -0.514 ms
Remote clock offset: 3.745 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 840.37 Mbit/s
95th percentile per-packet one-way delay: 6.509 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 464.98 Mbit/s
95th percentile per-packet one-way delay: 5.670 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 370.91 Mbit/s
95th percentile per-packet one-way delay: 7.131 ms
Loss rate: 8.66%
-- Flow 3:
Average throughput: 385.39 Mbit/s
95th percentile per-packet one-way delay: 7.761 ms
Loss rate: 8.25%
```

Run 4: Report of TCP BBR — Data Link

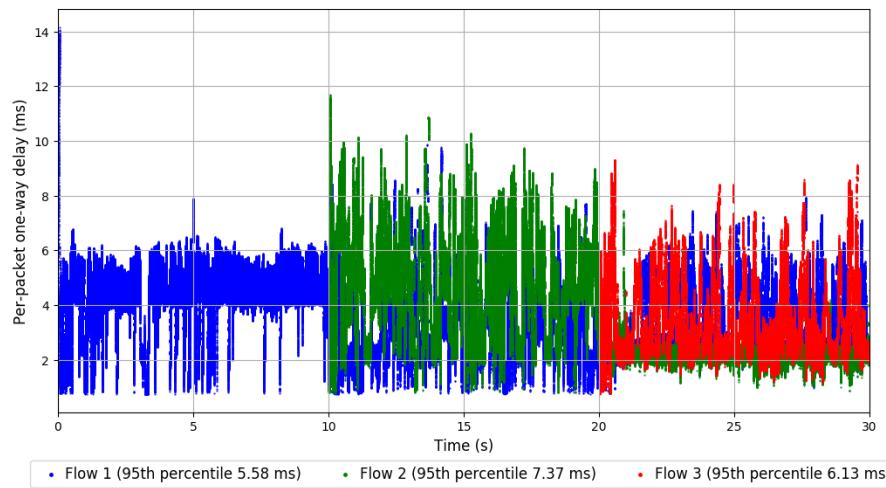
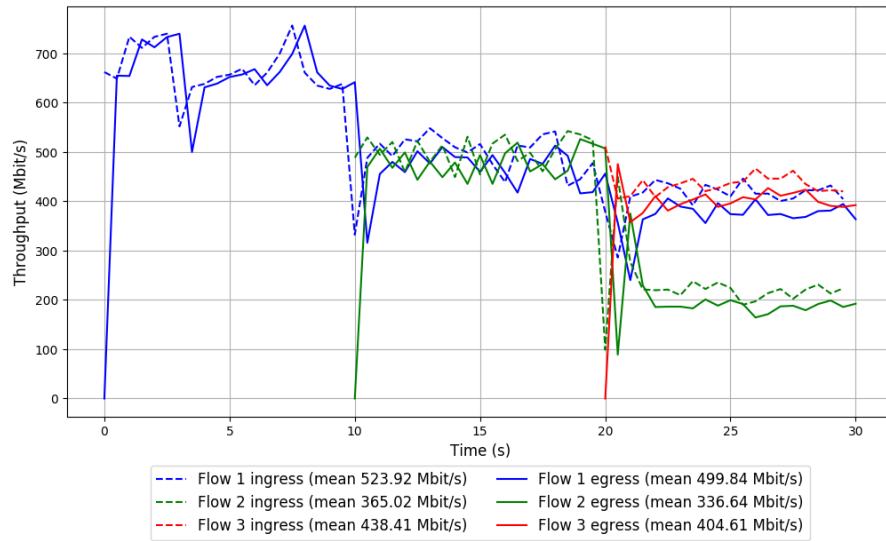


Run 5: Statistics of TCP BBR

```
Start at: 2019-08-27 01:50:15
End at: 2019-08-27 01:50:45
Local clock offset: 0.26 ms
Remote clock offset: 4.33 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 858.44 Mbit/s
95th percentile per-packet one-way delay: 6.218 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 499.84 Mbit/s
95th percentile per-packet one-way delay: 5.582 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 336.64 Mbit/s
95th percentile per-packet one-way delay: 7.370 ms
Loss rate: 7.77%
-- Flow 3:
Average throughput: 404.61 Mbit/s
95th percentile per-packet one-way delay: 6.135 ms
Loss rate: 7.71%
```

Run 5: Report of TCP BBR — Data Link

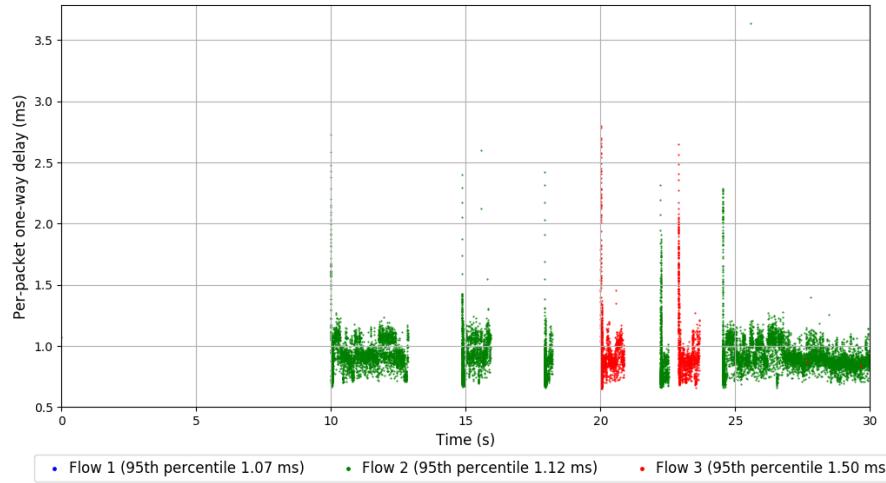
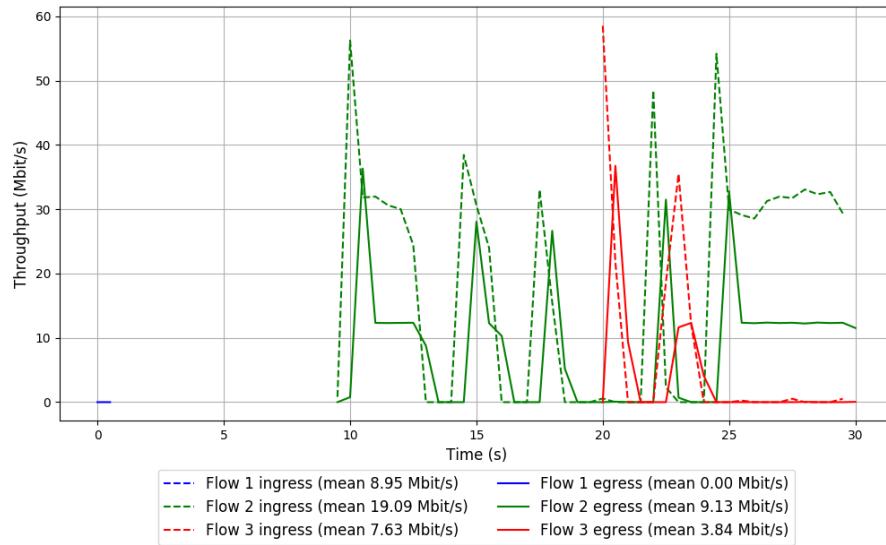


Run 1: Statistics of Copa

```
Start at: 2019-08-26 23:13:15
End at: 2019-08-26 23:13:45
Local clock offset: -0.116 ms
Remote clock offset: 1.784 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 51.77%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 97.92%
-- Flow 2:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 52.16%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 1.500 ms
Loss rate: 49.75%
```

Run 1: Report of Copa — Data Link

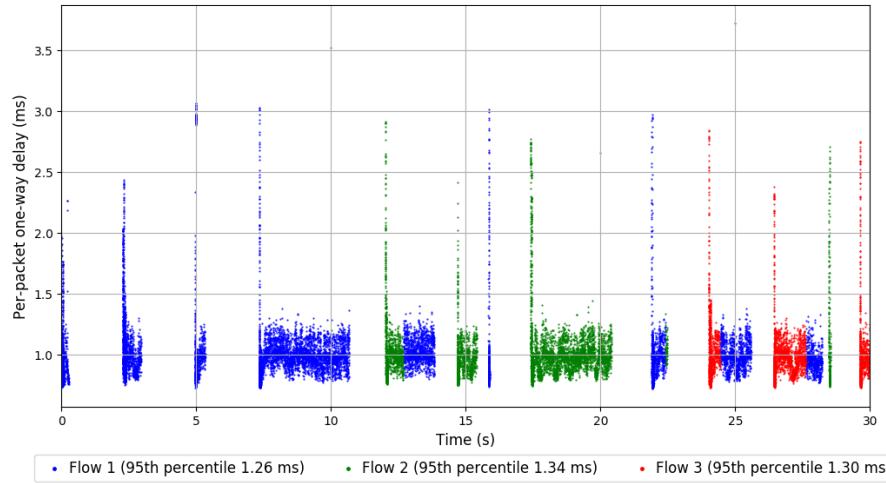
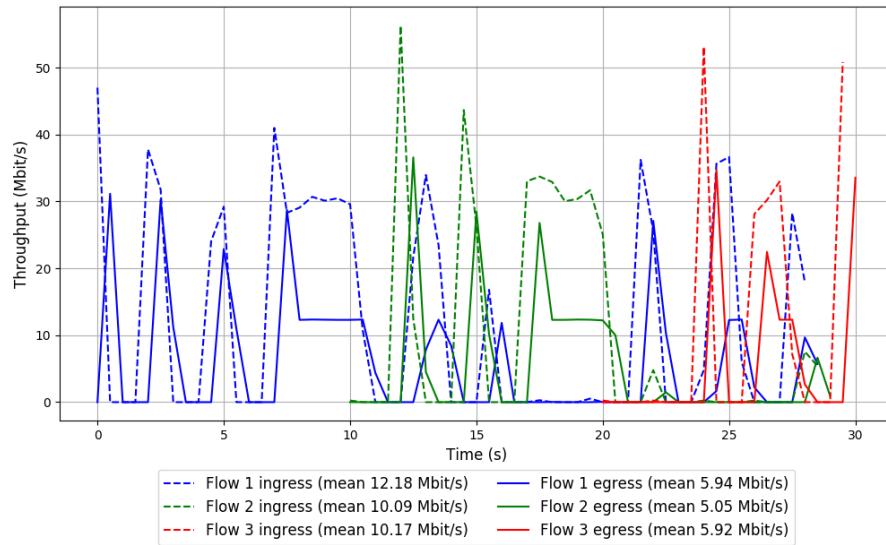


Run 2: Statistics of Copa

```
Start at: 2019-08-26 23:46:52
End at: 2019-08-26 23:47:22
Local clock offset: -0.315 ms
Remote clock offset: 3.6 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.68 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 49.35%
-- Flow 1:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 51.23%
-- Flow 2:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 49.97%
-- Flow 3:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 41.84%
```

Run 2: Report of Copa — Data Link

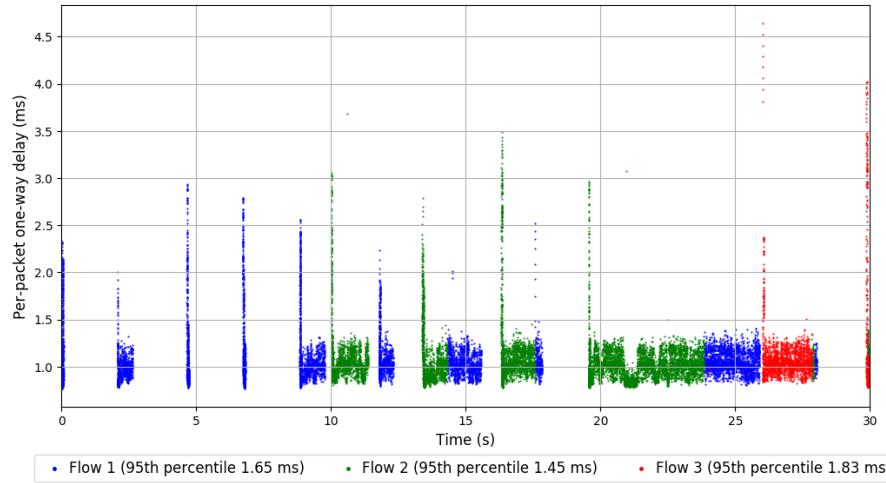
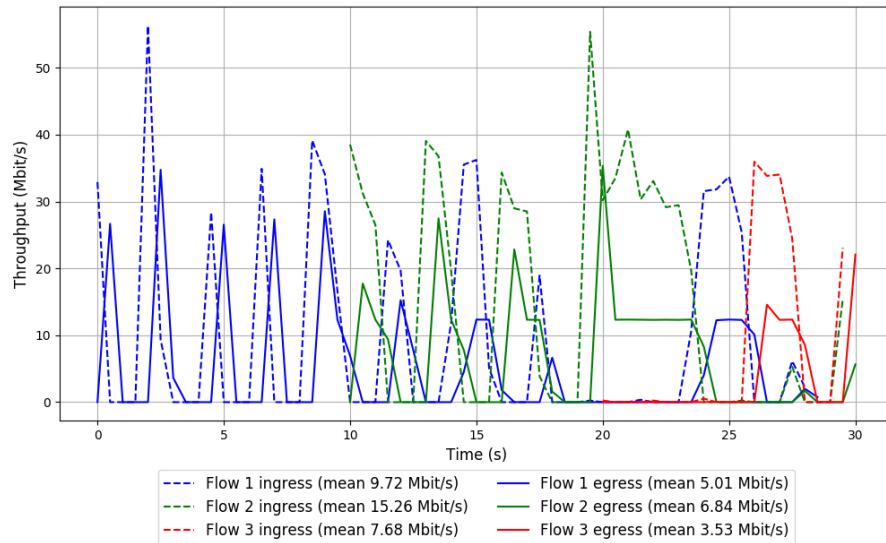


Run 3: Statistics of Copa

```
Start at: 2019-08-27 00:20:37
End at: 2019-08-27 00:21:07
Local clock offset: -0.484 ms
Remote clock offset: 1.675 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 1.581 ms
Loss rate: 52.23%
-- Flow 1:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 1.650 ms
Loss rate: 48.43%
-- Flow 2:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 1.446 ms
Loss rate: 55.16%
-- Flow 3:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 1.829 ms
Loss rate: 54.11%
```

Run 3: Report of Copa — Data Link

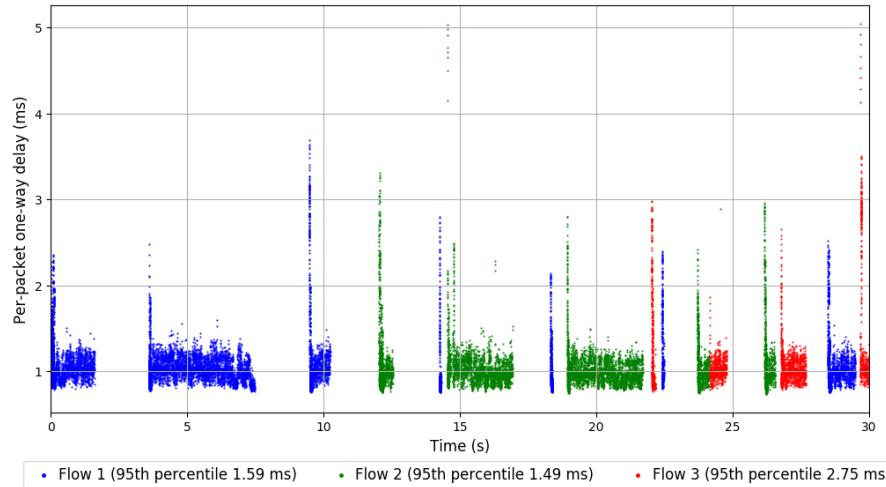
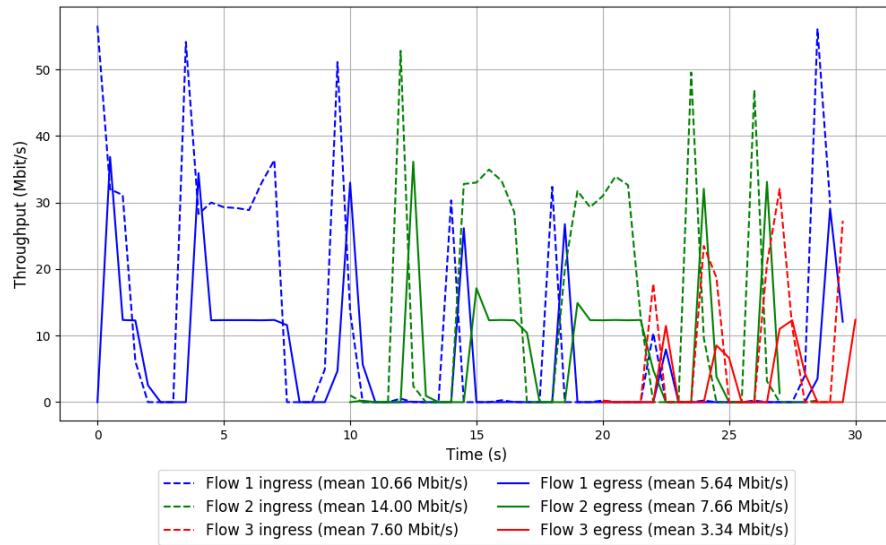


Run 4: Statistics of Copa

```
Start at: 2019-08-27 00:54:21
End at: 2019-08-27 00:54:51
Local clock offset: -0.622 ms
Remote clock offset: 3.309 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 1.663 ms
Loss rate: 49.77%
-- Flow 1:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 1.589 ms
Loss rate: 47.09%
-- Flow 2:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 1.488 ms
Loss rate: 51.20%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 2.746 ms
Loss rate: 56.00%
```

Run 4: Report of Copa — Data Link

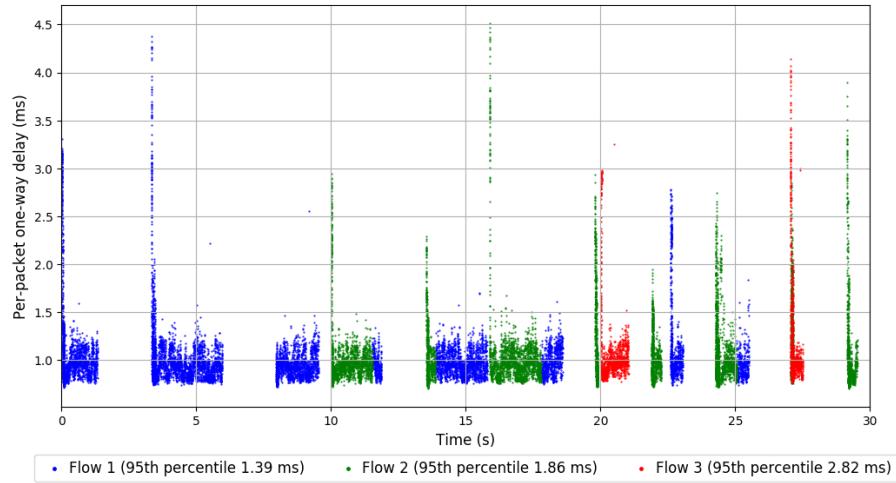
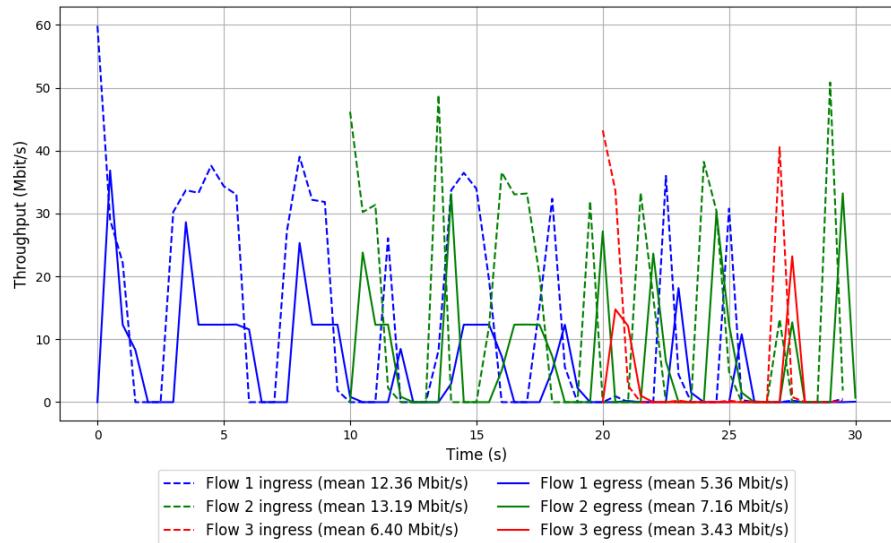


Run 5: Statistics of Copa

```
Start at: 2019-08-27 01:27:50
End at: 2019-08-27 01:28:20
Local clock offset: -0.248 ms
Remote clock offset: 4.103 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 1.760 ms
Loss rate: 52.63%
-- Flow 1:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 1.386 ms
Loss rate: 56.67%
-- Flow 2:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 1.865 ms
Loss rate: 45.71%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 2.816 ms
Loss rate: 57.72%
```

Run 5: Report of Copa — Data Link

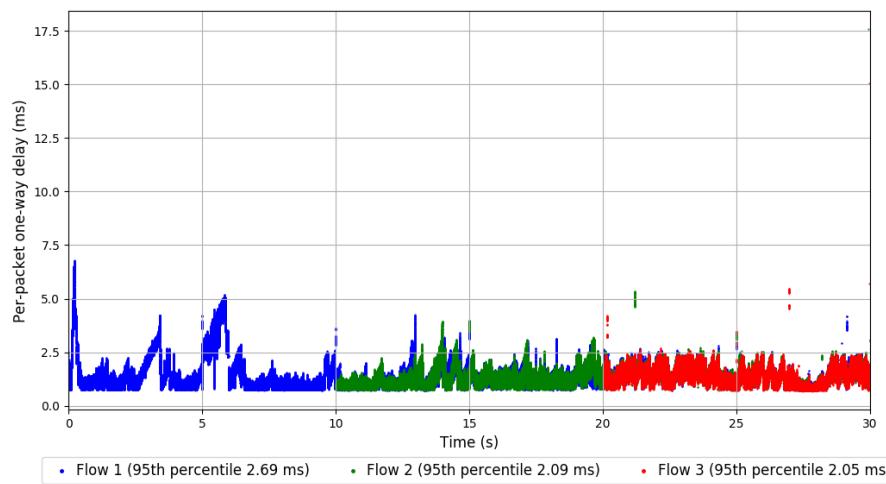
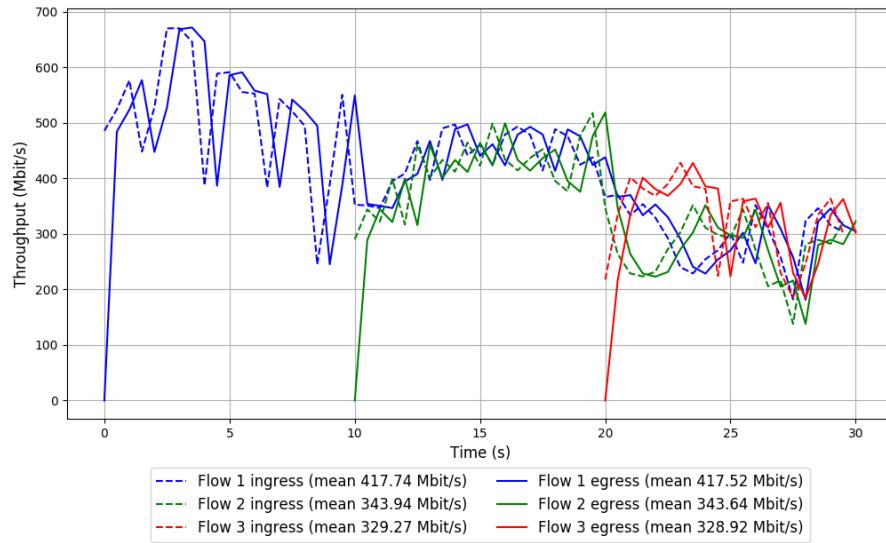


Run 1: Statistics of TCP Cubic

```
Start at: 2019-08-26 23:20:01
End at: 2019-08-26 23:20:31
Local clock offset: -0.131 ms
Remote clock offset: 2.238 ms

# Below is generated by plot.py at 2019-08-27 02:16:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 755.82 Mbit/s
95th percentile per-packet one-way delay: 2.283 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 417.52 Mbit/s
95th percentile per-packet one-way delay: 2.686 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 343.64 Mbit/s
95th percentile per-packet one-way delay: 2.088 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 328.92 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.09%
```

Run 1: Report of TCP Cubic — Data Link

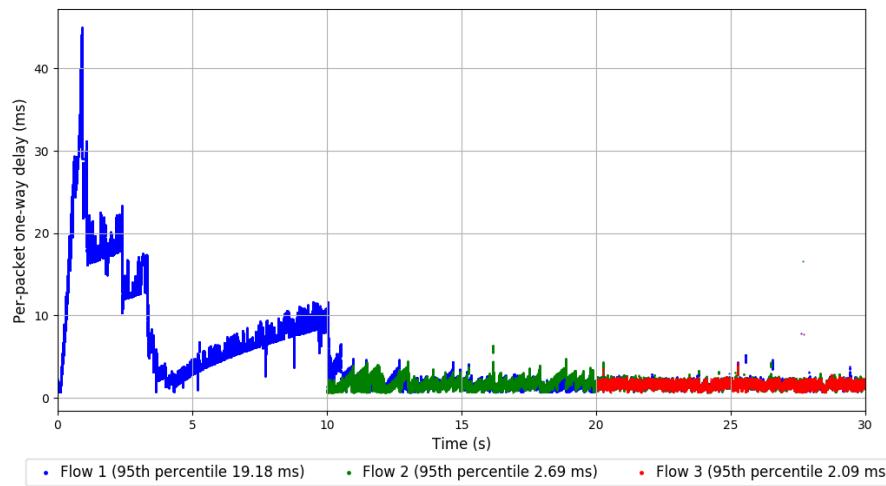
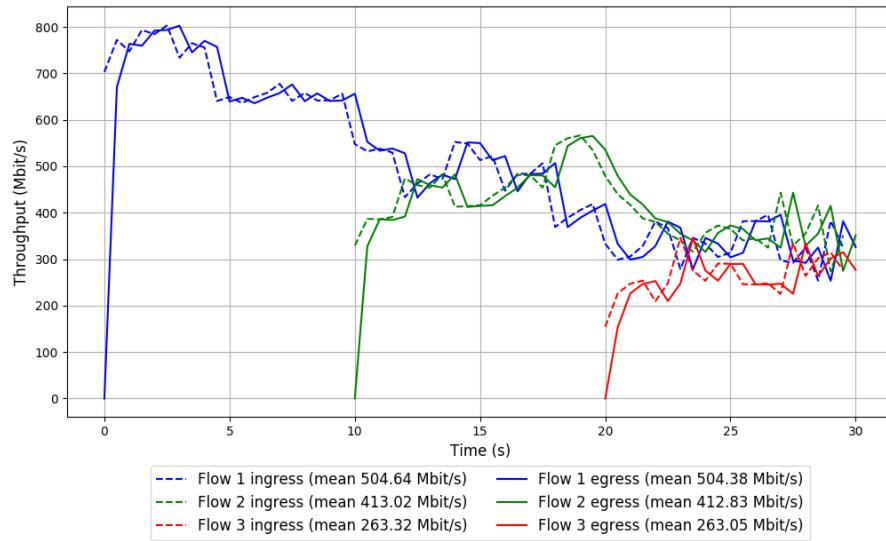


Run 2: Statistics of TCP Cubic

```
Start at: 2019-08-26 23:53:42
End at: 2019-08-26 23:54:12
Local clock offset: -0.374 ms
Remote clock offset: 3.778 ms

# Below is generated by plot.py at 2019-08-27 02:16:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 866.88 Mbit/s
95th percentile per-packet one-way delay: 17.287 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 504.38 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 412.83 Mbit/s
95th percentile per-packet one-way delay: 2.695 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 263.05 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.09%
```

Run 2: Report of TCP Cubic — Data Link

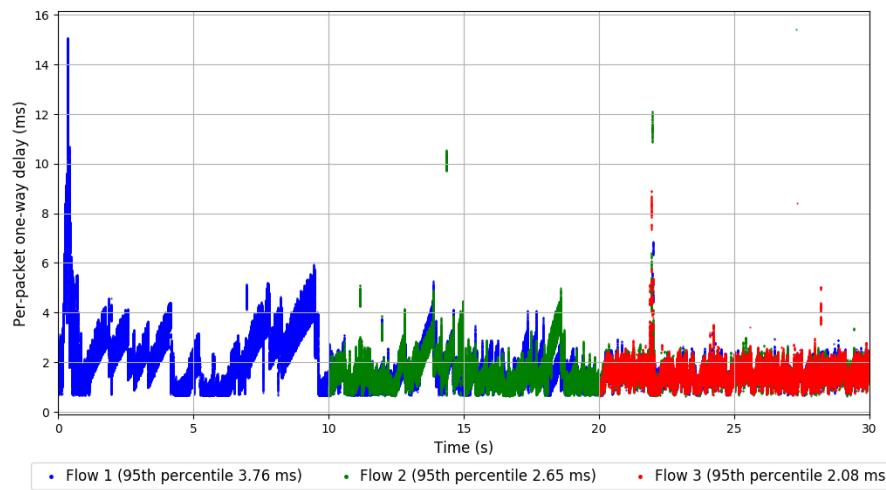
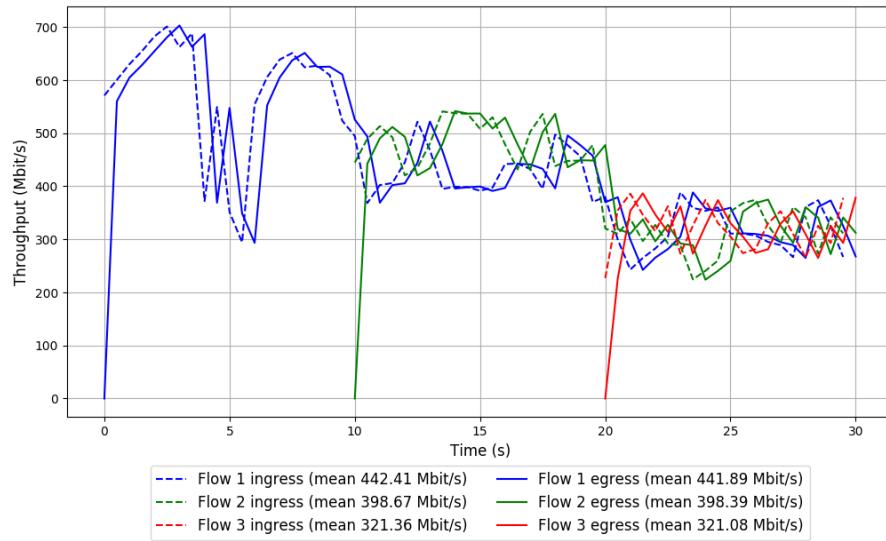


Run 3: Statistics of TCP Cubic

```
Start at: 2019-08-27 00:27:28
End at: 2019-08-27 00:27:58
Local clock offset: -0.576 ms
Remote clock offset: 1.705 ms

# Below is generated by plot.py at 2019-08-27 02:16:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 814.13 Mbit/s
95th percentile per-packet one-way delay: 3.353 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 441.89 Mbit/s
95th percentile per-packet one-way delay: 3.757 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 398.39 Mbit/s
95th percentile per-packet one-way delay: 2.653 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 321.08 Mbit/s
95th percentile per-packet one-way delay: 2.075 ms
Loss rate: 0.08%
```

Run 3: Report of TCP Cubic — Data Link

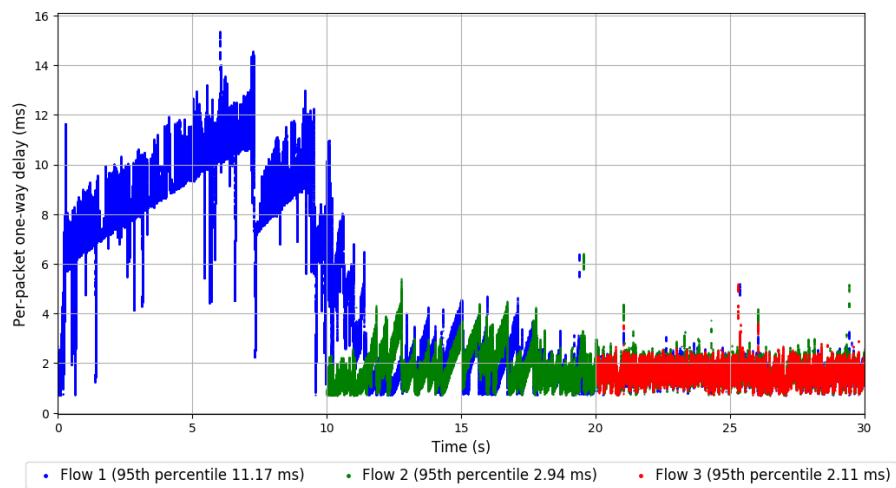
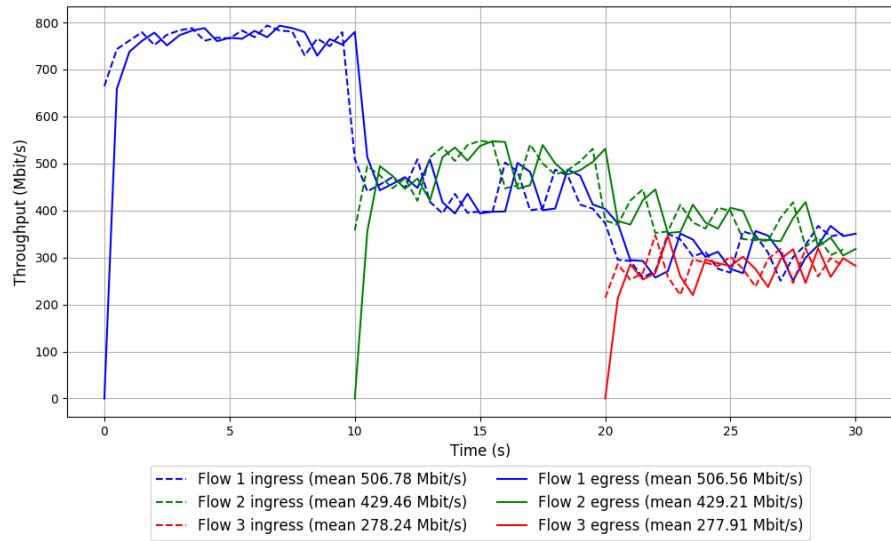


Run 4: Statistics of TCP Cubic

```
Start at: 2019-08-27 01:01:09
End at: 2019-08-27 01:01:39
Local clock offset: -0.617 ms
Remote clock offset: 3.544 ms

# Below is generated by plot.py at 2019-08-27 02:25:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.91 Mbit/s
95th percentile per-packet one-way delay: 10.694 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 506.56 Mbit/s
95th percentile per-packet one-way delay: 11.174 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 429.21 Mbit/s
95th percentile per-packet one-way delay: 2.938 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 277.91 Mbit/s
95th percentile per-packet one-way delay: 2.110 ms
Loss rate: 0.12%
```

Run 4: Report of TCP Cubic — Data Link

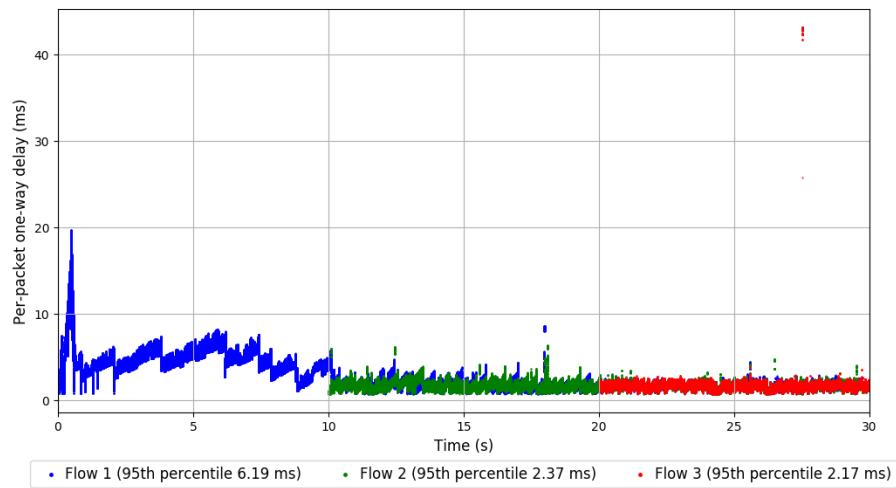
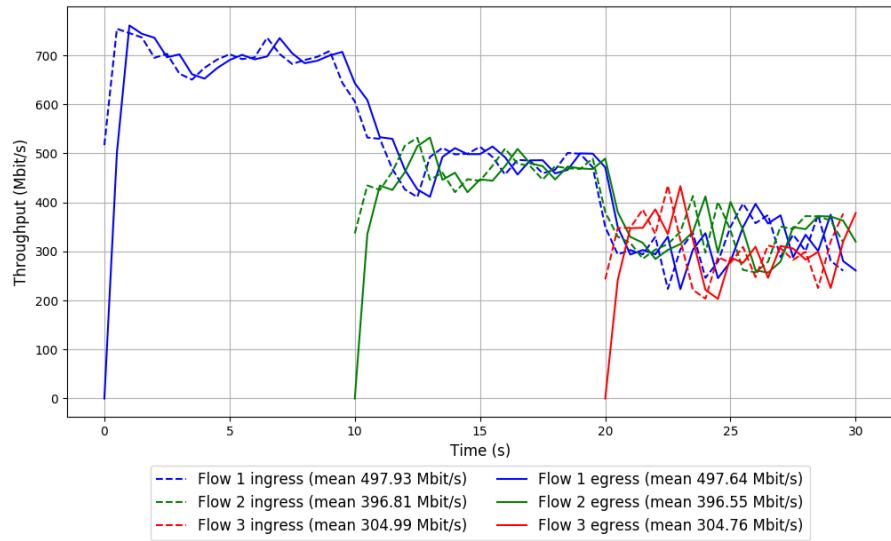


Run 5: Statistics of TCP Cubic

```
Start at: 2019-08-27 01:34:44
End at: 2019-08-27 01:35:14
Local clock offset: -0.076 ms
Remote clock offset: 4.525 ms

# Below is generated by plot.py at 2019-08-27 02:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 863.23 Mbit/s
95th percentile per-packet one-way delay: 5.761 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 497.64 Mbit/s
95th percentile per-packet one-way delay: 6.192 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 396.55 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 304.76 Mbit/s
95th percentile per-packet one-way delay: 2.173 ms
Loss rate: 0.07%
```

Run 5: Report of TCP Cubic — Data Link

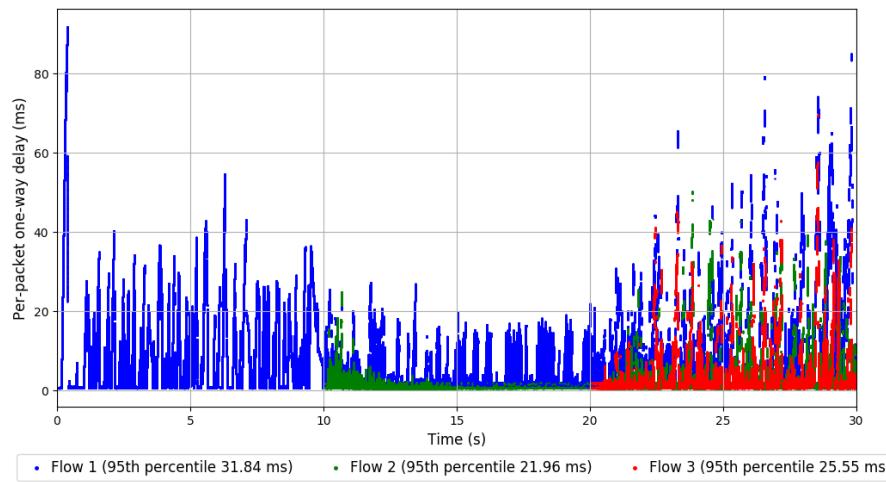
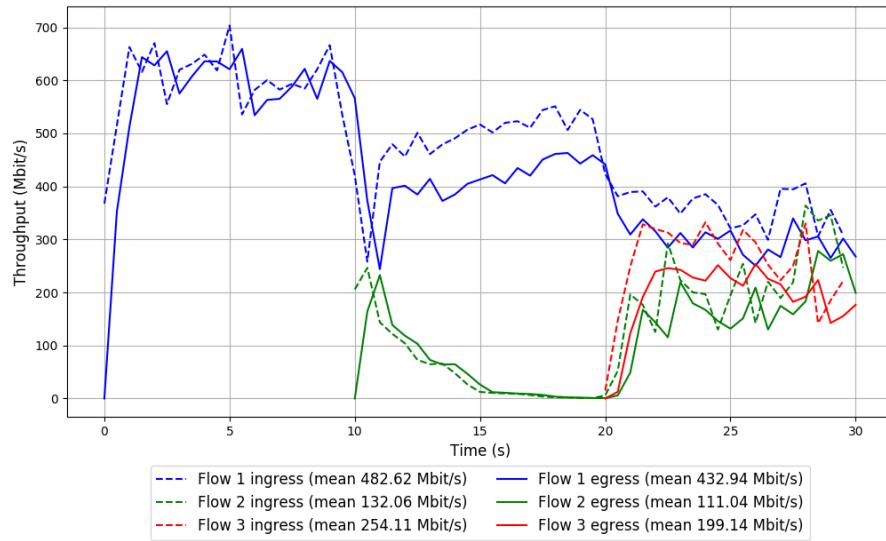


```
Run 1: Statistics of FillP

Start at: 2019-08-26 23:14:29
End at: 2019-08-26 23:14:59
Local clock offset: -0.113 ms
Remote clock offset: 1.849 ms

# Below is generated by plot.py at 2019-08-27 02:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 573.03 Mbit/s
95th percentile per-packet one-way delay: 30.323 ms
Loss rate: 12.50%
-- Flow 1:
Average throughput: 432.94 Mbit/s
95th percentile per-packet one-way delay: 31.838 ms
Loss rate: 10.28%
-- Flow 2:
Average throughput: 111.04 Mbit/s
95th percentile per-packet one-way delay: 21.958 ms
Loss rate: 15.91%
-- Flow 3:
Average throughput: 199.14 Mbit/s
95th percentile per-packet one-way delay: 25.549 ms
Loss rate: 21.63%
```

Run 1: Report of FillP — Data Link

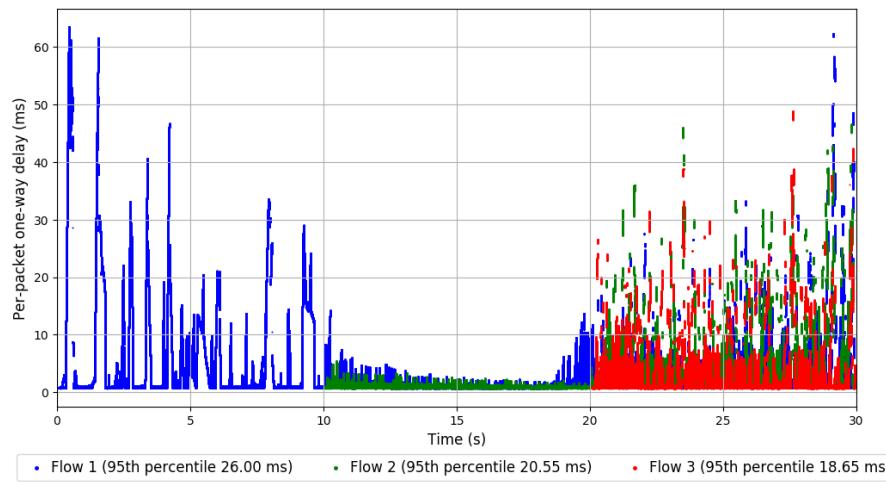
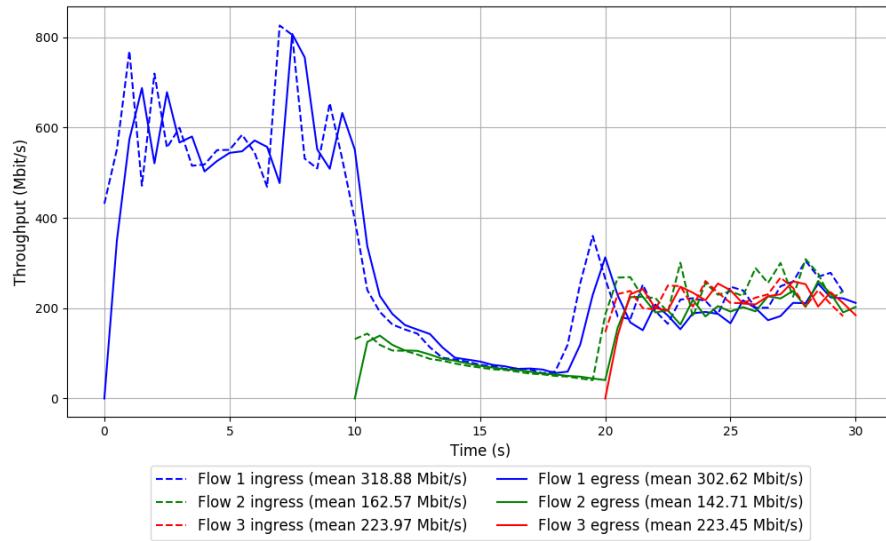


```
Run 2: Statistics of FillP
```

```
Start at: 2019-08-26 23:48:07
End at: 2019-08-26 23:48:37
Local clock offset: -0.316 ms
Remote clock offset: 3.653 ms

# Below is generated by plot.py at 2019-08-27 02:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.48 Mbit/s
95th percentile per-packet one-way delay: 23.697 ms
Loss rate: 5.92%
-- Flow 1:
Average throughput: 302.62 Mbit/s
95th percentile per-packet one-way delay: 26.000 ms
Loss rate: 5.10%
-- Flow 2:
Average throughput: 142.71 Mbit/s
95th percentile per-packet one-way delay: 20.553 ms
Loss rate: 12.22%
-- Flow 3:
Average throughput: 223.45 Mbit/s
95th percentile per-packet one-way delay: 18.646 ms
Loss rate: 0.23%
```

Run 2: Report of FillP — Data Link

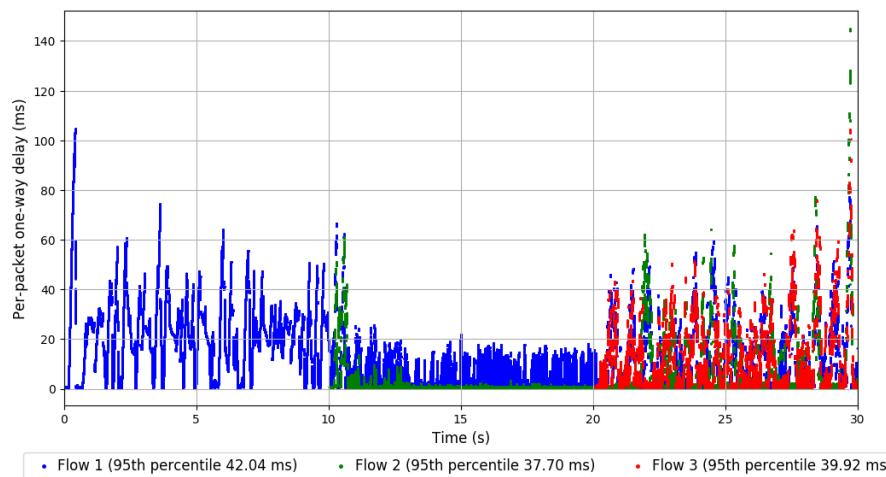
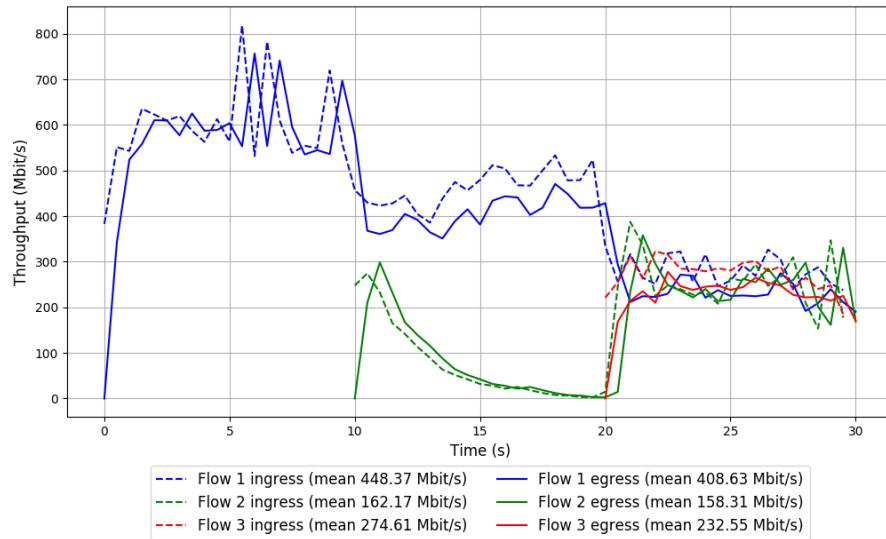


Run 3: Statistics of FillP

```
Start at: 2019-08-27 00:21:52
End at: 2019-08-27 00:22:22
Local clock offset: -0.493 ms
Remote clock offset: 1.615 ms

# Below is generated by plot.py at 2019-08-27 02:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 591.04 Mbit/s
95th percentile per-packet one-way delay: 41.244 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 408.63 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 8.84%
-- Flow 2:
Average throughput: 158.31 Mbit/s
95th percentile per-packet one-way delay: 37.696 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 232.55 Mbit/s
95th percentile per-packet one-way delay: 39.924 ms
Loss rate: 15.32%
```

Run 3: Report of FillP — Data Link

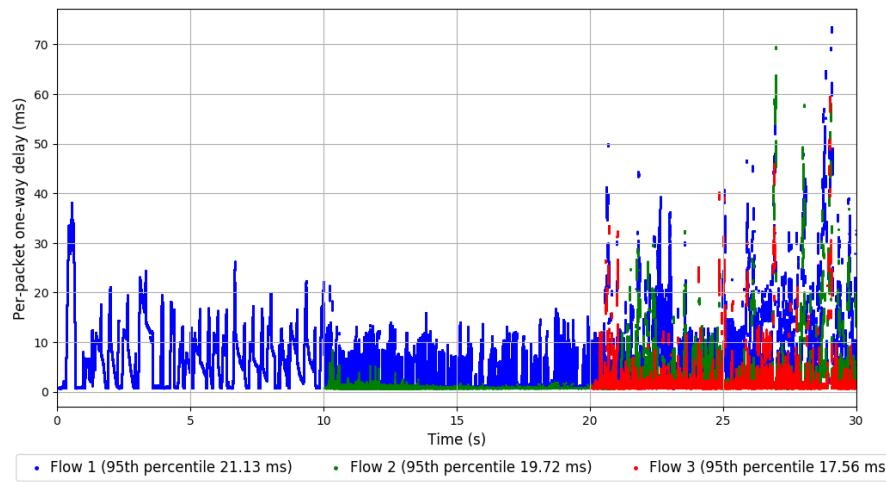
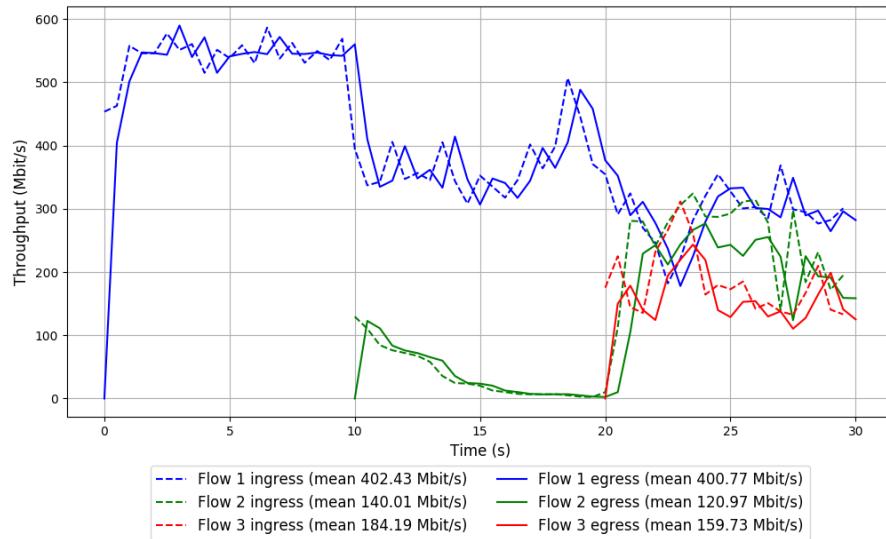


Run 4: Statistics of FillP

```
Start at: 2019-08-27 00:55:35
End at: 2019-08-27 00:56:05
Local clock offset: -0.649 ms
Remote clock offset: 3.319 ms

# Below is generated by plot.py at 2019-08-27 02:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 534.37 Mbit/s
95th percentile per-packet one-way delay: 20.732 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 400.77 Mbit/s
95th percentile per-packet one-way delay: 21.133 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 120.97 Mbit/s
95th percentile per-packet one-way delay: 19.717 ms
Loss rate: 13.53%
-- Flow 3:
Average throughput: 159.73 Mbit/s
95th percentile per-packet one-way delay: 17.560 ms
Loss rate: 13.28%
```

Run 4: Report of FillP — Data Link

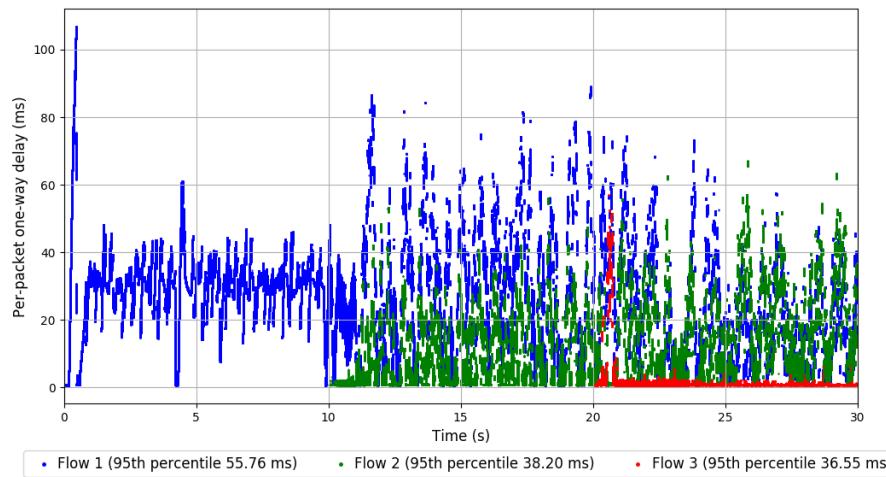
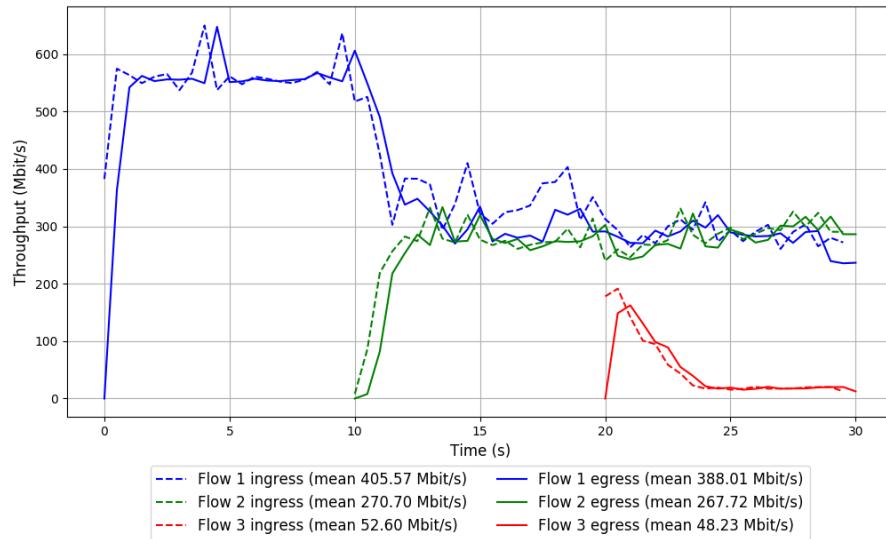


```
Run 5: Statistics of FillP
```

```
Start at: 2019-08-27 01:29:05
End at: 2019-08-27 01:29:35
Local clock offset: -0.221 ms
Remote clock offset: 4.149 ms

# Below is generated by plot.py at 2019-08-27 02:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 582.29 Mbit/s
95th percentile per-packet one-way delay: 50.537 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 388.01 Mbit/s
95th percentile per-packet one-way delay: 55.755 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 267.72 Mbit/s
95th percentile per-packet one-way delay: 38.204 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 36.550 ms
Loss rate: 8.31%
```

Run 5: Report of FillP — Data Link

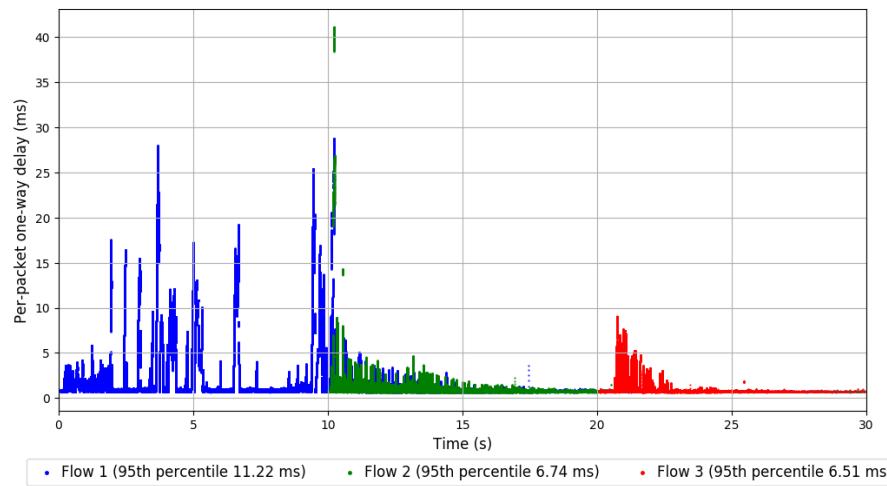
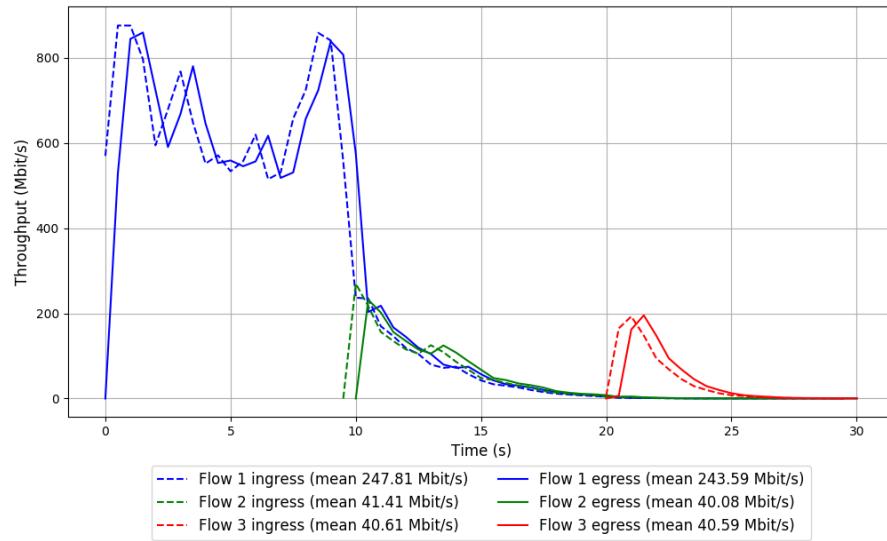


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-08-26 23:28:35
End at: 2019-08-26 23:29:05
Local clock offset: -0.196 ms
Remote clock offset: 2.778 ms

# Below is generated by plot.py at 2019-08-27 02:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.54 Mbit/s
95th percentile per-packet one-way delay: 10.751 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 243.59 Mbit/s
95th percentile per-packet one-way delay: 11.217 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 6.735 ms
Loss rate: 3.22%
-- Flow 3:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 6.514 ms
Loss rate: 0.05%
```

Run 1: Report of FillP-Sheep — Data Link

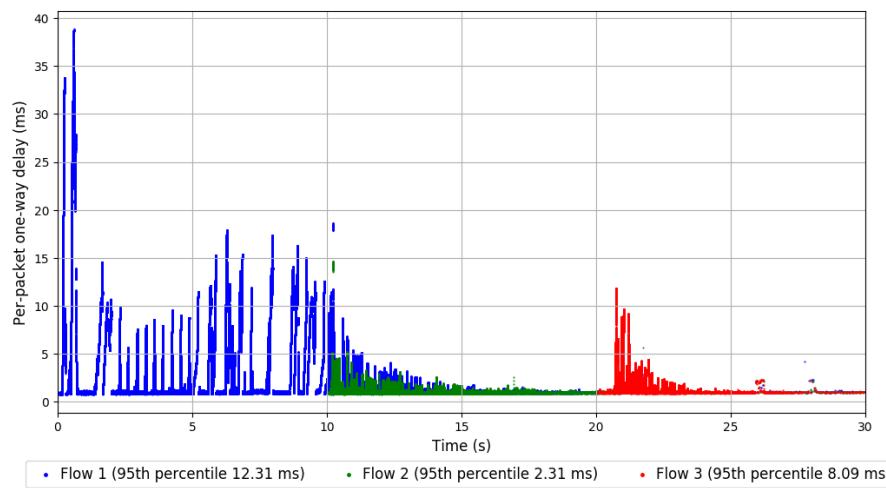
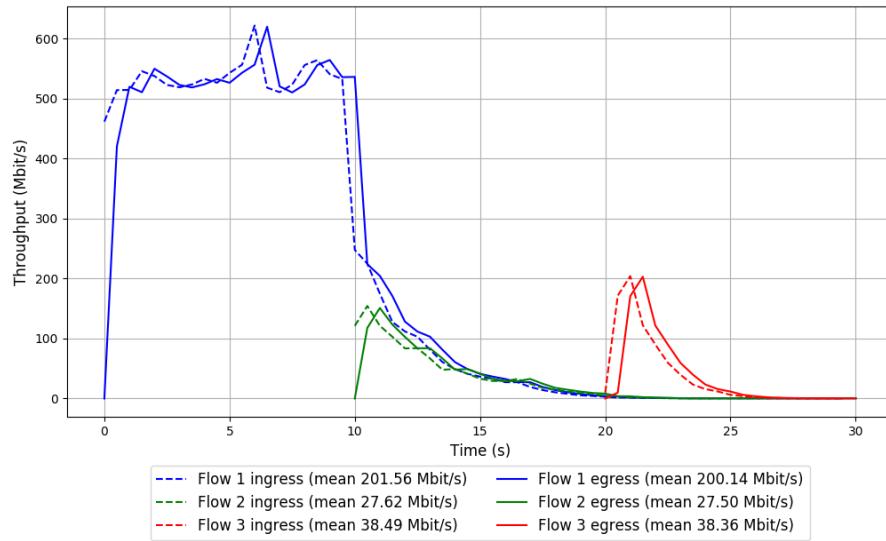


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-08-27 00:02:16
End at: 2019-08-27 00:02:46
Local clock offset: -0.426 ms
Remote clock offset: 3.673 ms

# Below is generated by plot.py at 2019-08-27 02:26:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 231.13 Mbit/s
95th percentile per-packet one-way delay: 11.726 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 200.14 Mbit/s
95th percentile per-packet one-way delay: 12.309 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 2.306 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 8.093 ms
Loss rate: 0.33%
```

Run 2: Report of FillP-Sheep — Data Link

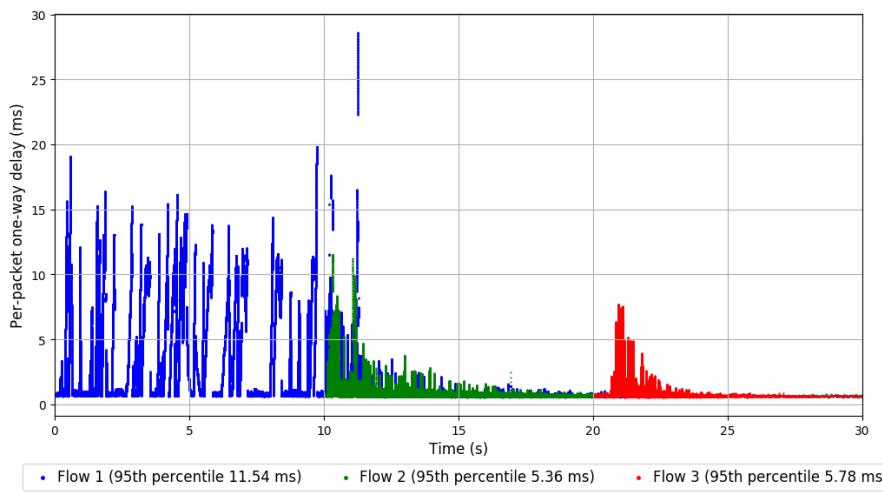
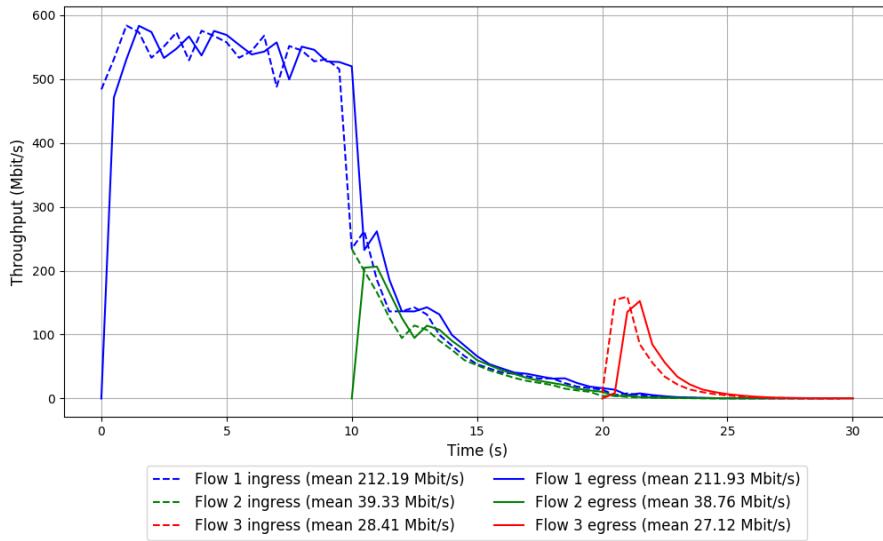


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-08-27 00:36:02
End at: 2019-08-27 00:36:32
Local clock offset: -0.638 ms
Remote clock offset: 2.06 ms

# Below is generated by plot.py at 2019-08-27 02:26:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 246.71 Mbit/s
95th percentile per-packet one-way delay: 11.262 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 211.93 Mbit/s
95th percentile per-packet one-way delay: 11.544 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 5.358 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 5.780 ms
Loss rate: 4.53%
```

Run 3: Report of FillP-Sheep — Data Link

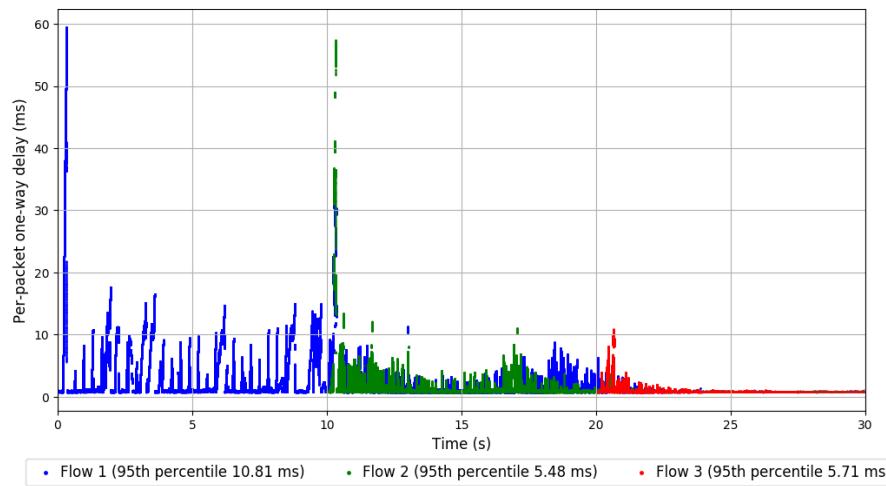
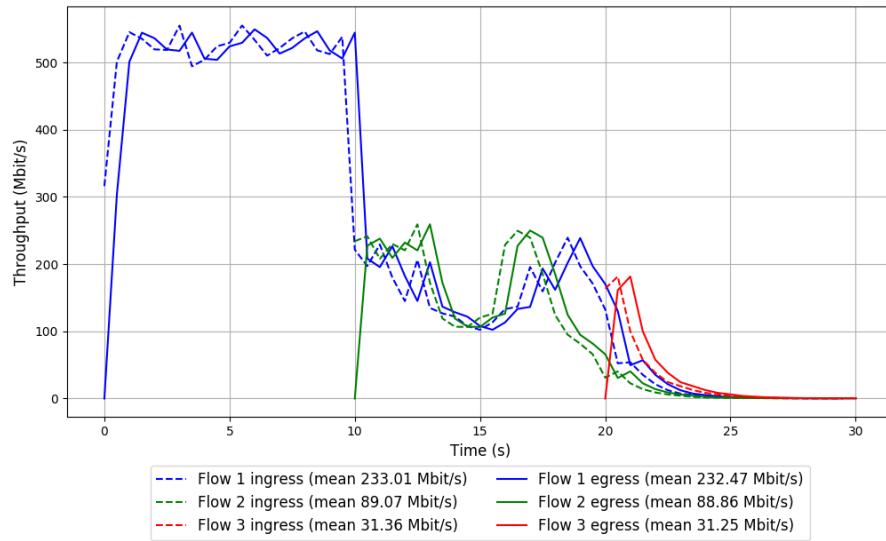


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-08-27 01:09:47
End at: 2019-08-27 01:10:17
Local clock offset: -0.59 ms
Remote clock offset: 3.876 ms

# Below is generated by plot.py at 2019-08-27 02:28:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.97 Mbit/s
95th percentile per-packet one-way delay: 10.425 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 232.47 Mbit/s
95th percentile per-packet one-way delay: 10.807 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 5.479 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 5.708 ms
Loss rate: 0.34%
```

Run 4: Report of FillP-Sheep — Data Link

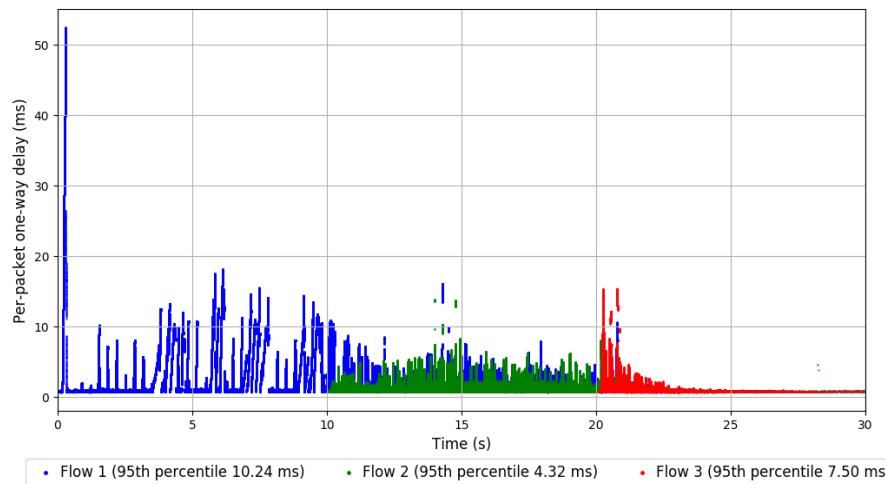
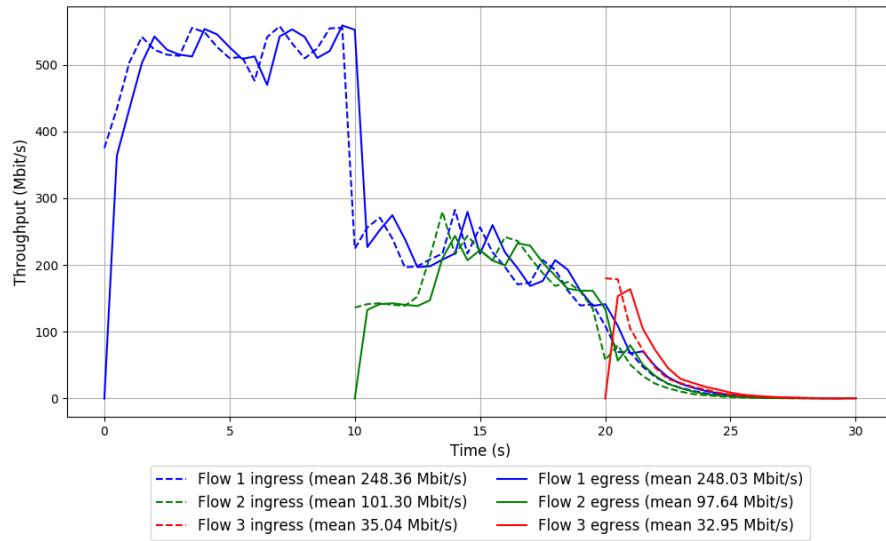


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-08-27 01:43:22
End at: 2019-08-27 01:43:52
Local clock offset: 0.138 ms
Remote clock offset: 5.052 ms

# Below is generated by plot.py at 2019-08-27 02:28:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.79 Mbit/s
95th percentile per-packet one-way delay: 9.689 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 248.03 Mbit/s
95th percentile per-packet one-way delay: 10.238 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 97.64 Mbit/s
95th percentile per-packet one-way delay: 4.315 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 7.502 ms
Loss rate: 5.99%
```

Run 5: Report of FillP-Sheep — Data Link

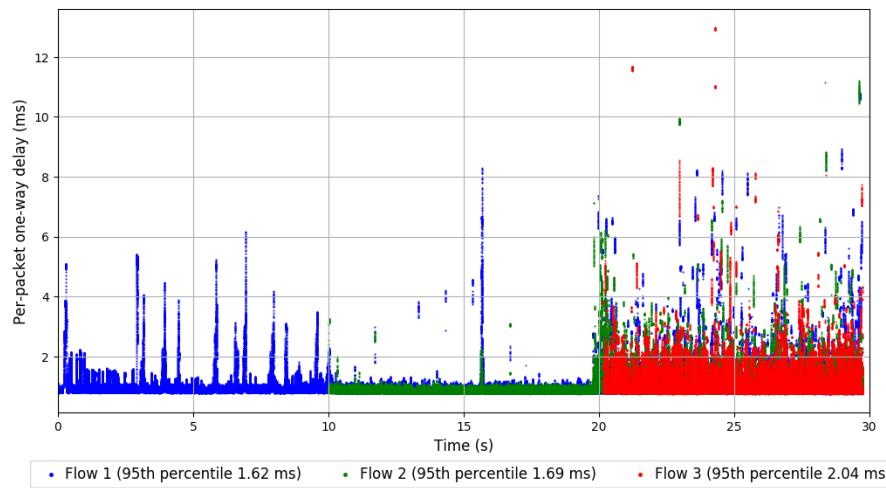
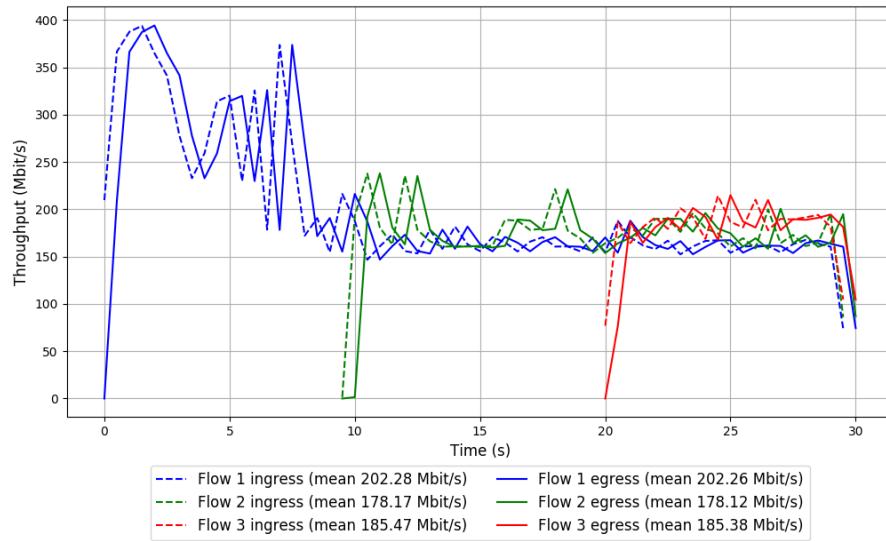


Run 1: Statistics of Indigo

```
Start at: 2019-08-26 23:32:38
End at: 2019-08-26 23:33:08
Local clock offset: -0.243 ms
Remote clock offset: 3.01 ms

# Below is generated by plot.py at 2019-08-27 02:29:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.40 Mbit/s
95th percentile per-packet one-way delay: 1.753 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 202.26 Mbit/s
95th percentile per-packet one-way delay: 1.616 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 178.12 Mbit/s
95th percentile per-packet one-way delay: 1.693 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 185.38 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.05%
```

Run 1: Report of Indigo — Data Link

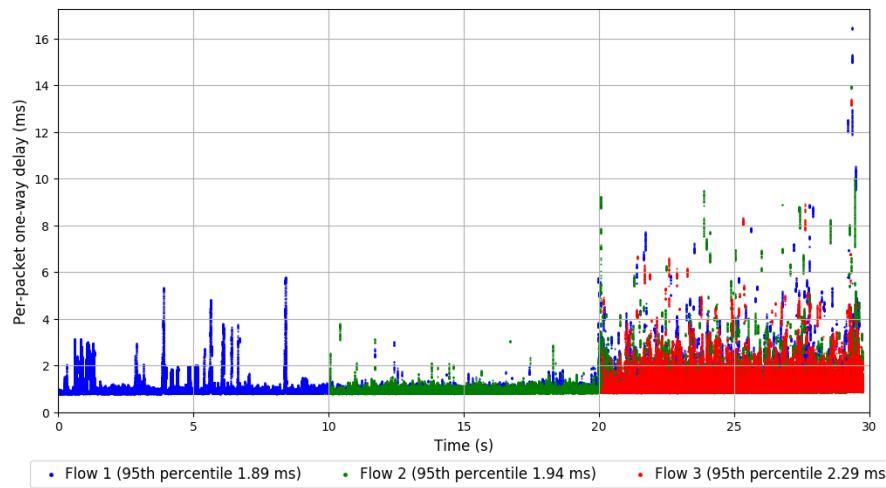
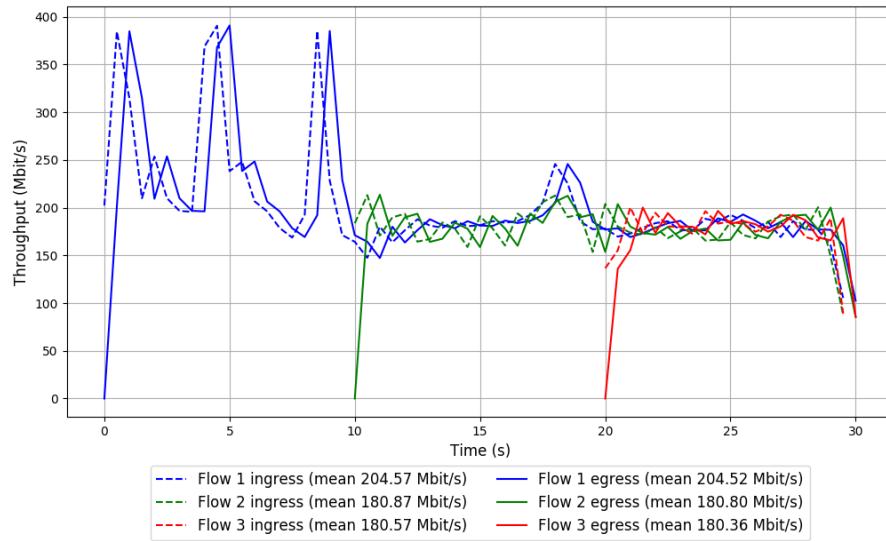


Run 2: Statistics of Indigo

```
Start at: 2019-08-27 00:06:20
End at: 2019-08-27 00:06:50
Local clock offset: -0.456 ms
Remote clock offset: 2.499 ms

# Below is generated by plot.py at 2019-08-27 02:29:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 382.97 Mbit/s
95th percentile per-packet one-way delay: 1.988 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 204.52 Mbit/s
95th percentile per-packet one-way delay: 1.893 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 180.80 Mbit/s
95th percentile per-packet one-way delay: 1.942 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 180.36 Mbit/s
95th percentile per-packet one-way delay: 2.288 ms
Loss rate: 0.11%
```

Run 2: Report of Indigo — Data Link

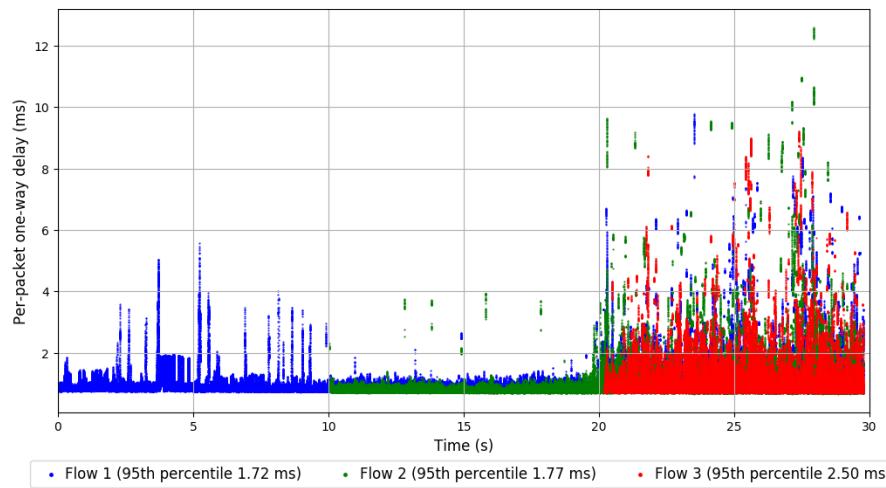
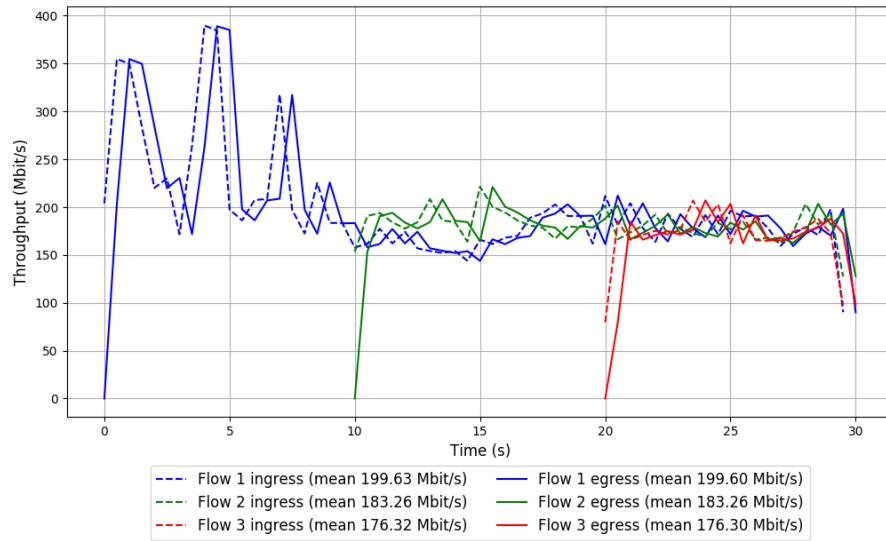


Run 3: Statistics of Indigo

```
Start at: 2019-08-27 00:40:01
End at: 2019-08-27 00:40:31
Local clock offset: -0.649 ms
Remote clock offset: 2.726 ms

# Below is generated by plot.py at 2019-08-27 02:29:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.84 Mbit/s
95th percentile per-packet one-way delay: 1.818 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 199.60 Mbit/s
95th percentile per-packet one-way delay: 1.724 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 183.26 Mbit/s
95th percentile per-packet one-way delay: 1.775 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 176.30 Mbit/s
95th percentile per-packet one-way delay: 2.499 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo — Data Link

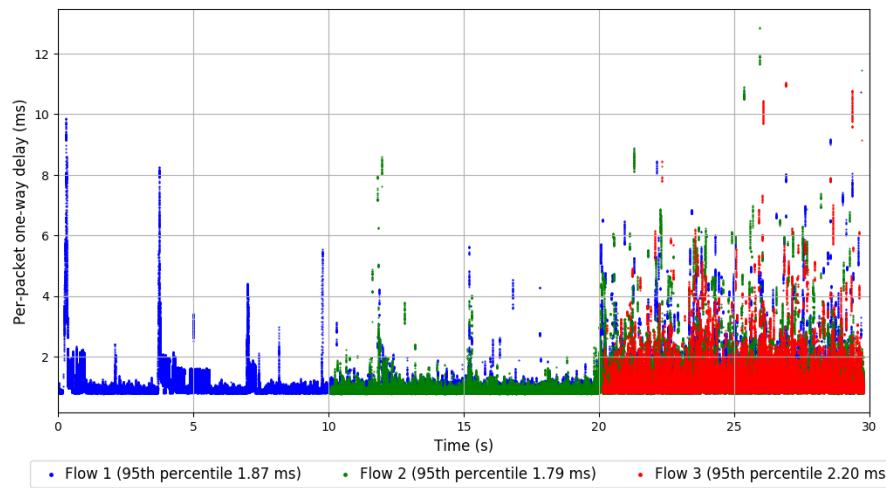
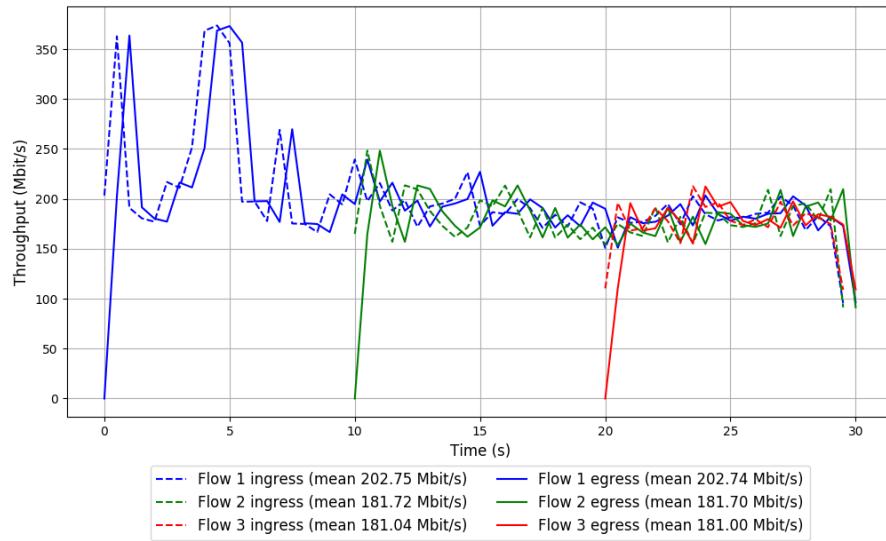


Run 4: Statistics of Indigo

```
Start at: 2019-08-27 01:13:46
End at: 2019-08-27 01:14:16
Local clock offset: -0.556 ms
Remote clock offset: 3.778 ms

# Below is generated by plot.py at 2019-08-27 02:30:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.71 Mbit/s
95th percentile per-packet one-way delay: 1.899 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 202.74 Mbit/s
95th percentile per-packet one-way delay: 1.867 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 181.70 Mbit/s
95th percentile per-packet one-way delay: 1.787 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 181.00 Mbit/s
95th percentile per-packet one-way delay: 2.203 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo — Data Link

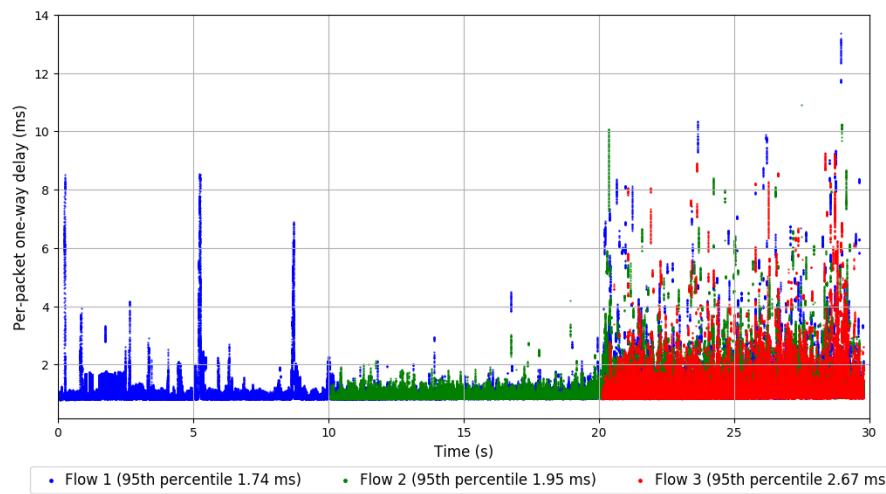
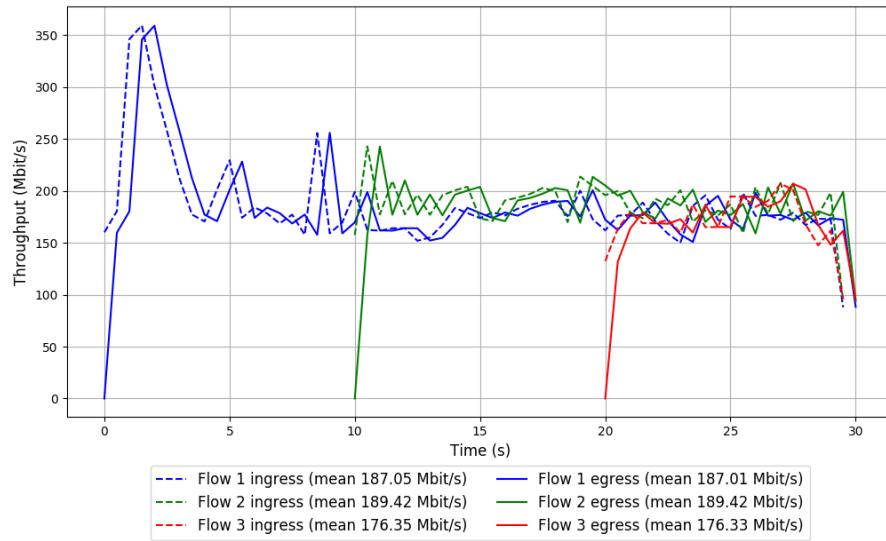


Run 5: Statistics of Indigo

```
Start at: 2019-08-27 01:47:29
End at: 2019-08-27 01:47:59
Local clock offset: 0.231 ms
Remote clock offset: 4.626 ms

# Below is generated by plot.py at 2019-08-27 02:30:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 369.61 Mbit/s
95th percentile per-packet one-way delay: 1.990 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.01 Mbit/s
95th percentile per-packet one-way delay: 1.735 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 189.42 Mbit/s
95th percentile per-packet one-way delay: 1.946 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 176.33 Mbit/s
95th percentile per-packet one-way delay: 2.667 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link

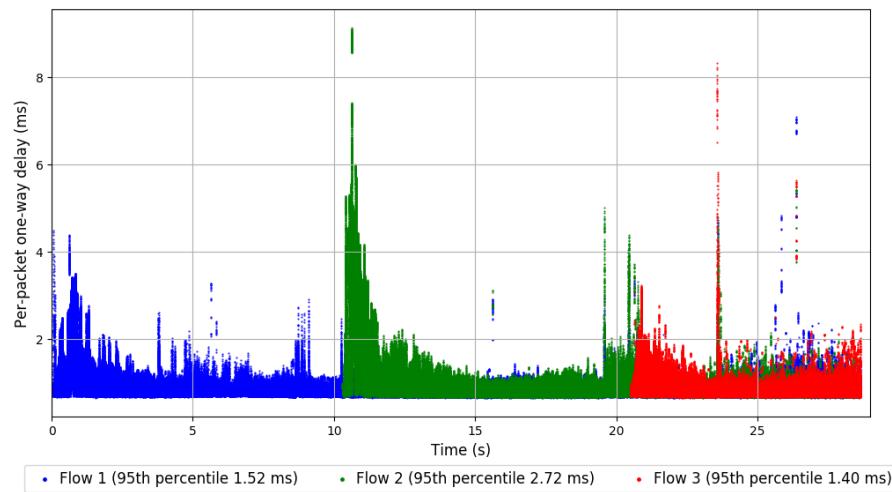
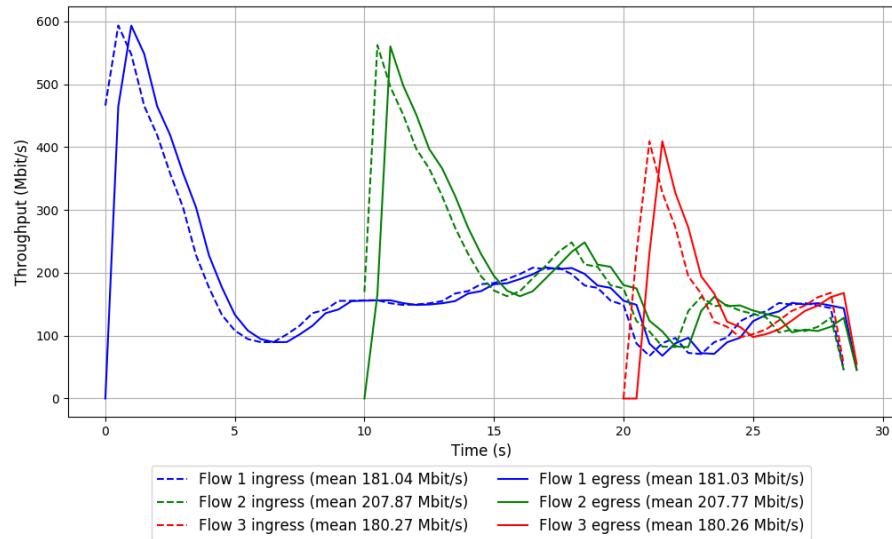


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-08-26 23:41:28
End at: 2019-08-26 23:41:58
Local clock offset: -0.286 ms
Remote clock offset: 3.368 ms

# Below is generated by plot.py at 2019-08-27 02:31:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.52 Mbit/s
95th percentile per-packet one-way delay: 1.833 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 181.03 Mbit/s
95th percentile per-packet one-way delay: 1.524 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 207.77 Mbit/s
95th percentile per-packet one-way delay: 2.719 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 180.26 Mbit/s
95th percentile per-packet one-way delay: 1.403 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC3 — Data Link

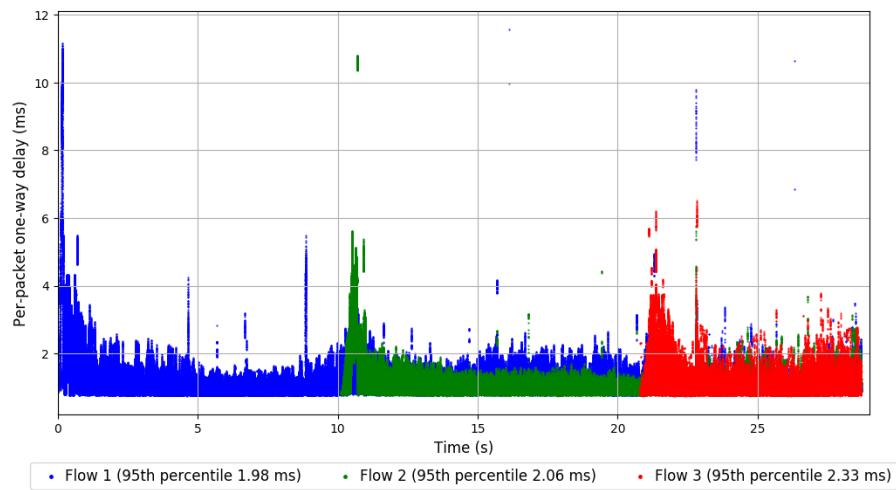
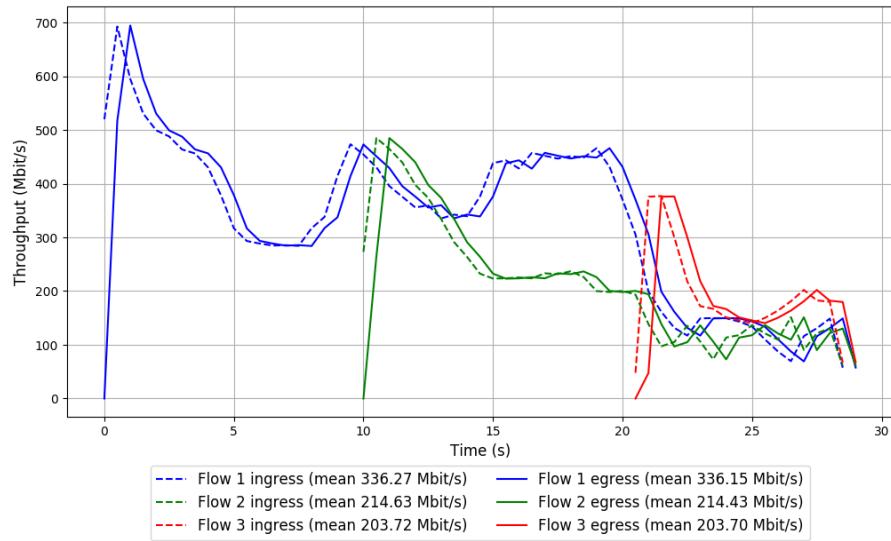


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-08-27 00:15:06
End at: 2019-08-27 00:15:36
Local clock offset: -0.455 ms
Remote clock offset: 1.637 ms

# Below is generated by plot.py at 2019-08-27 02:35:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.09 Mbit/s
95th percentile per-packet one-way delay: 2.036 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 336.15 Mbit/s
95th percentile per-packet one-way delay: 1.980 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 214.43 Mbit/s
95th percentile per-packet one-way delay: 2.059 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 203.70 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-MusesC3 — Data Link

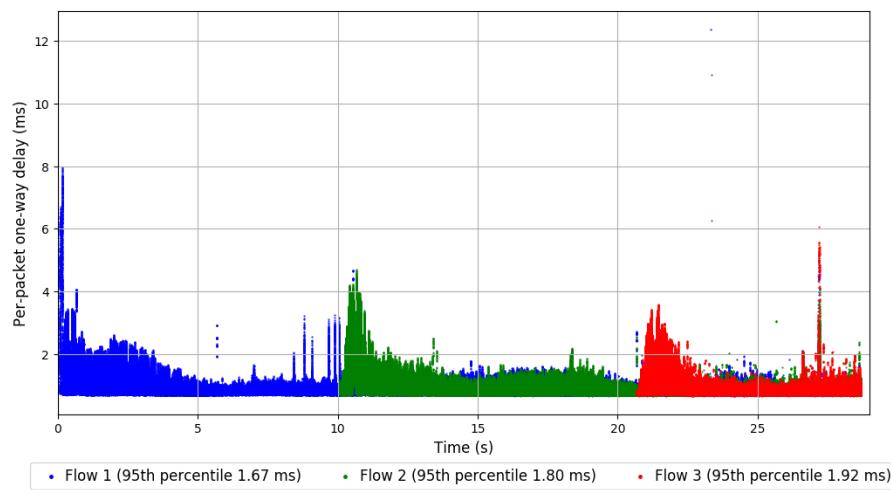
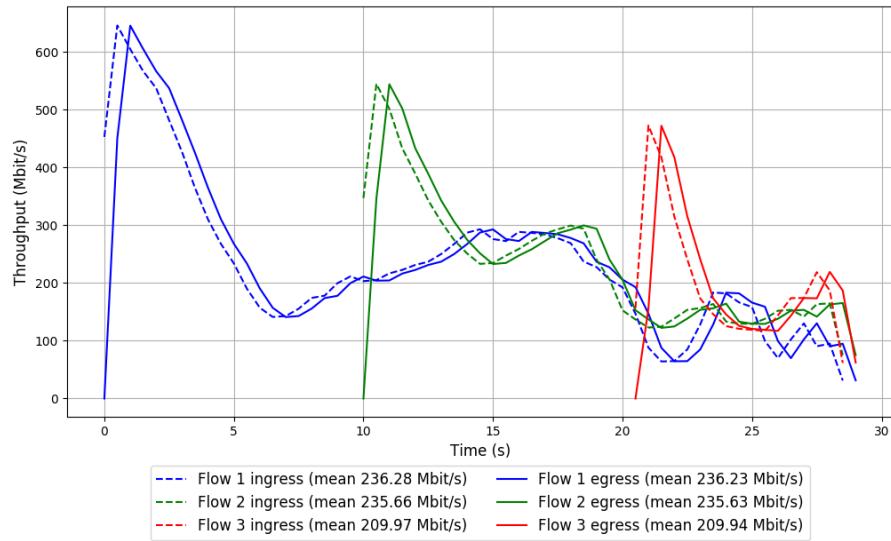


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-08-27 00:48:51
End at: 2019-08-27 00:49:21
Local clock offset: -0.644 ms
Remote clock offset: 3.033 ms

# Below is generated by plot.py at 2019-08-27 02:35:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 447.92 Mbit/s
95th percentile per-packet one-way delay: 1.735 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 236.23 Mbit/s
95th percentile per-packet one-way delay: 1.672 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 235.63 Mbit/s
95th percentile per-packet one-way delay: 1.799 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 209.94 Mbit/s
95th percentile per-packet one-way delay: 1.915 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesC3 — Data Link

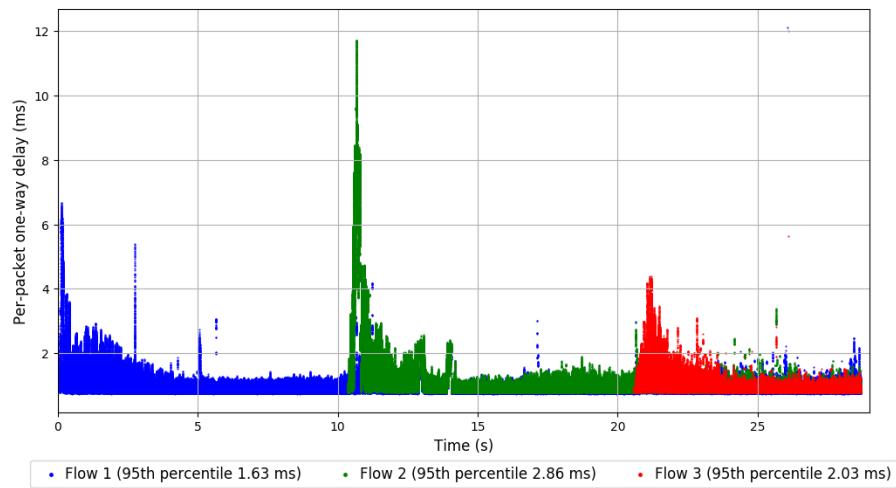
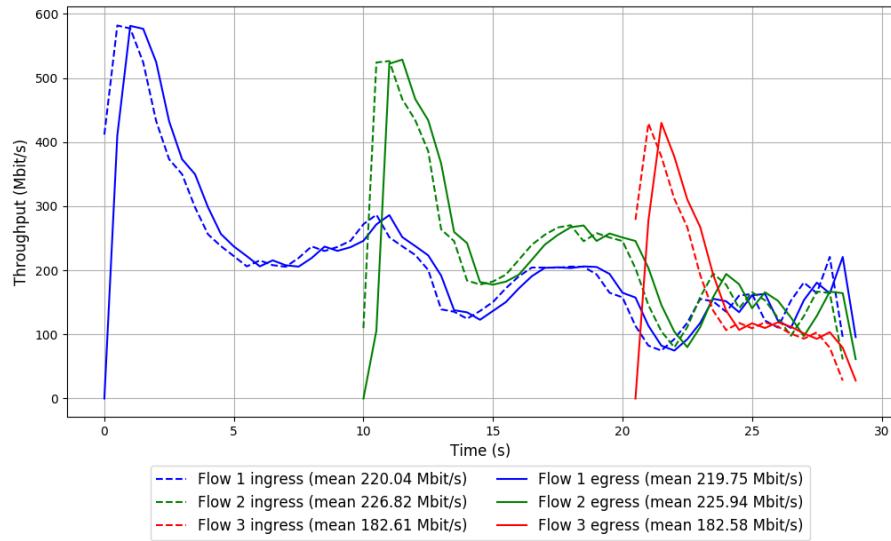


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-08-27 01:22:31
End at: 2019-08-27 01:23:01
Local clock offset: -0.392 ms
Remote clock offset: 3.919 ms

# Below is generated by plot.py at 2019-08-27 02:35:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.92 Mbit/s
95th percentile per-packet one-way delay: 1.993 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 219.75 Mbit/s
95th percentile per-packet one-way delay: 1.633 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 225.94 Mbit/s
95th percentile per-packet one-way delay: 2.857 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 182.58 Mbit/s
95th percentile per-packet one-way delay: 2.028 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesC3 — Data Link

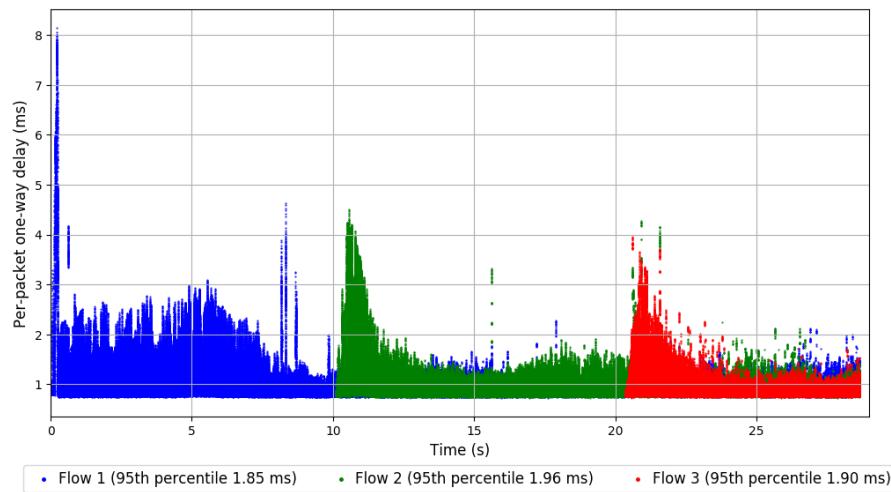
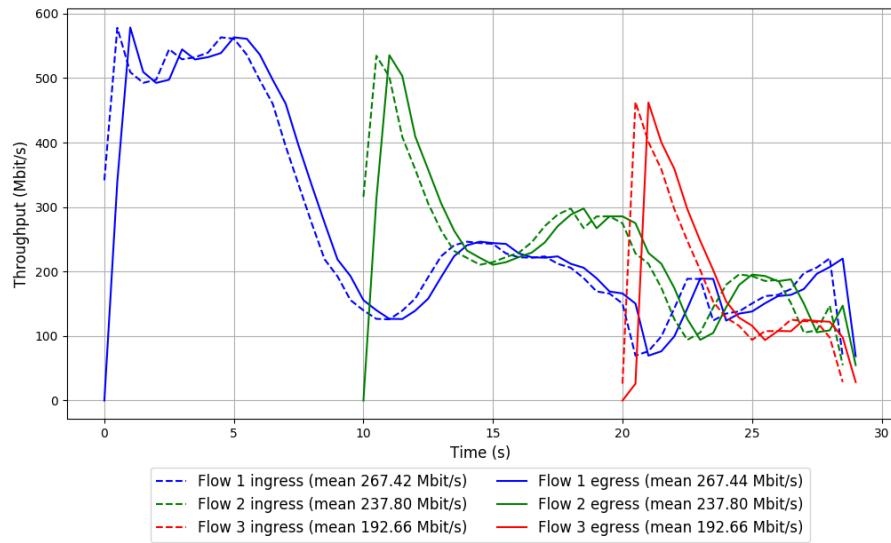


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-08-27 01:56:17
End at: 2019-08-27 01:56:47
Local clock offset: 0.411 ms
Remote clock offset: 4.257 ms

# Below is generated by plot.py at 2019-08-27 02:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 477.29 Mbit/s
95th percentile per-packet one-way delay: 1.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.44 Mbit/s
95th percentile per-packet one-way delay: 1.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 237.80 Mbit/s
95th percentile per-packet one-way delay: 1.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 192.66 Mbit/s
95th percentile per-packet one-way delay: 1.899 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC3 — Data Link

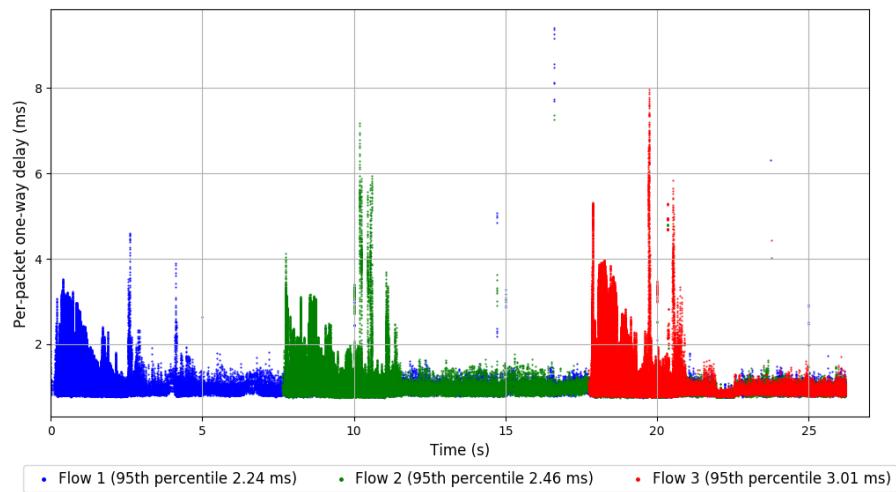
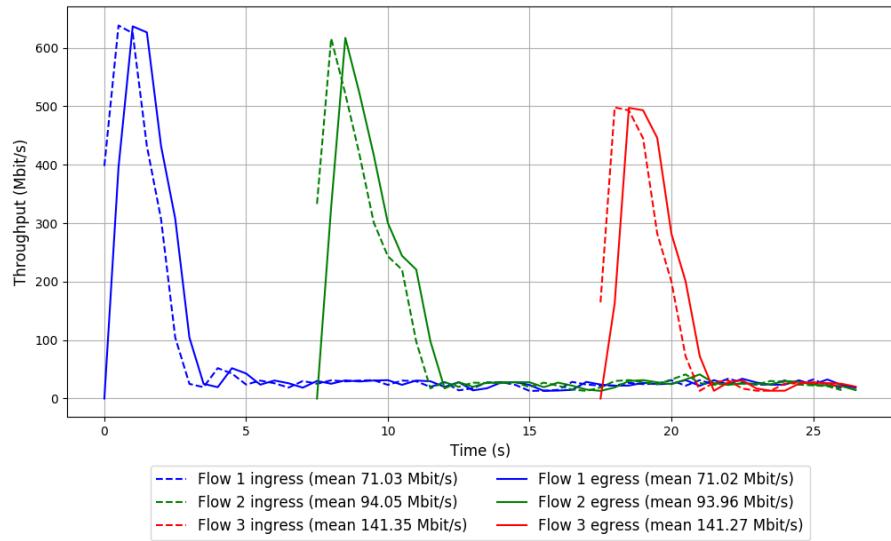


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-08-26 23:16:02
End at: 2019-08-26 23:16:32
Local clock offset: -0.124 ms
Remote clock offset: 2.048 ms

# Below is generated by plot.py at 2019-08-27 02:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.28 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 71.02 Mbit/s
95th percentile per-packet one-way delay: 2.238 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 2.463 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 141.27 Mbit/s
95th percentile per-packet one-way delay: 3.009 ms
Loss rate: 0.06%
```

Run 1: Report of Indigo-MusesC5 — Data Link

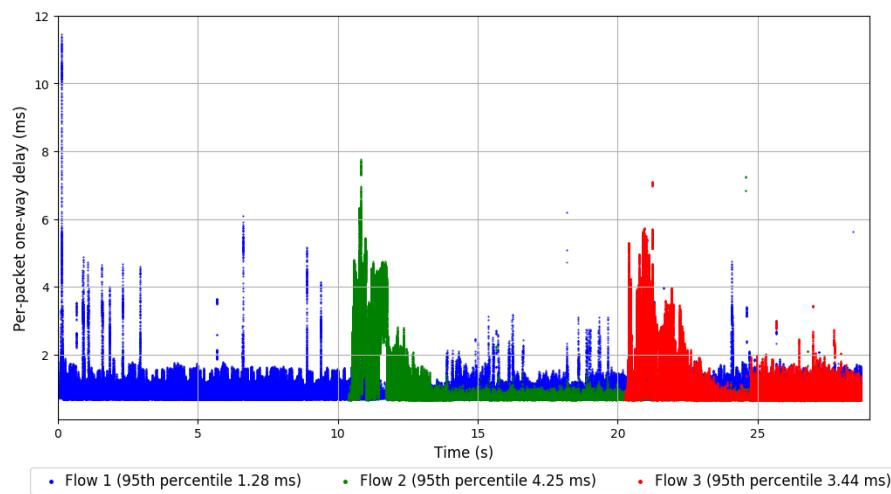
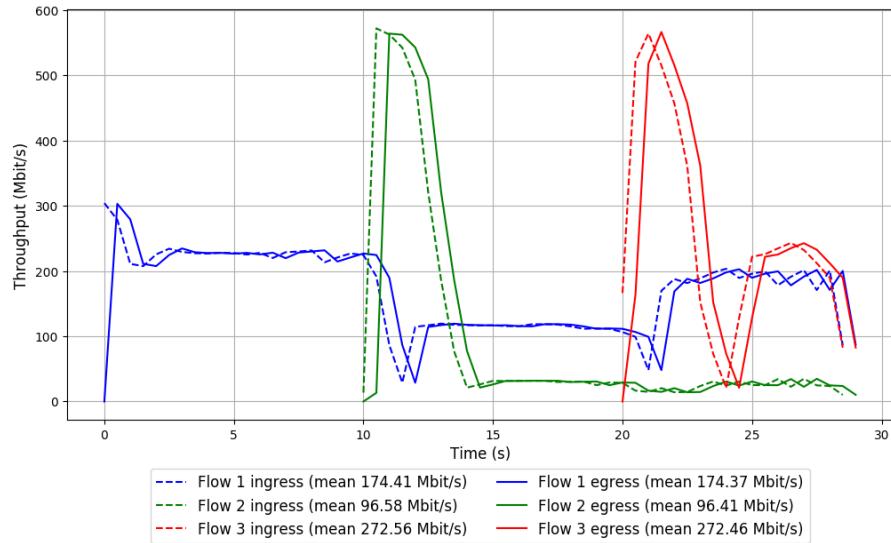


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-08-26 23:49:36
End at: 2019-08-26 23:50:06
Local clock offset: -0.361 ms
Remote clock offset: 3.596 ms

# Below is generated by plot.py at 2019-08-27 02:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.07 Mbit/s
95th percentile per-packet one-way delay: 3.147 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 174.37 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 4.255 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 272.46 Mbit/s
95th percentile per-packet one-way delay: 3.440 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo-MusesC5 — Data Link

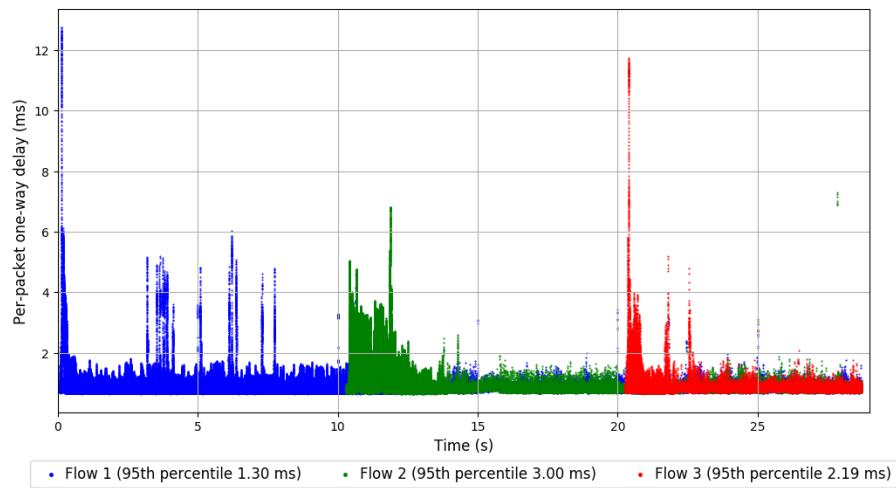
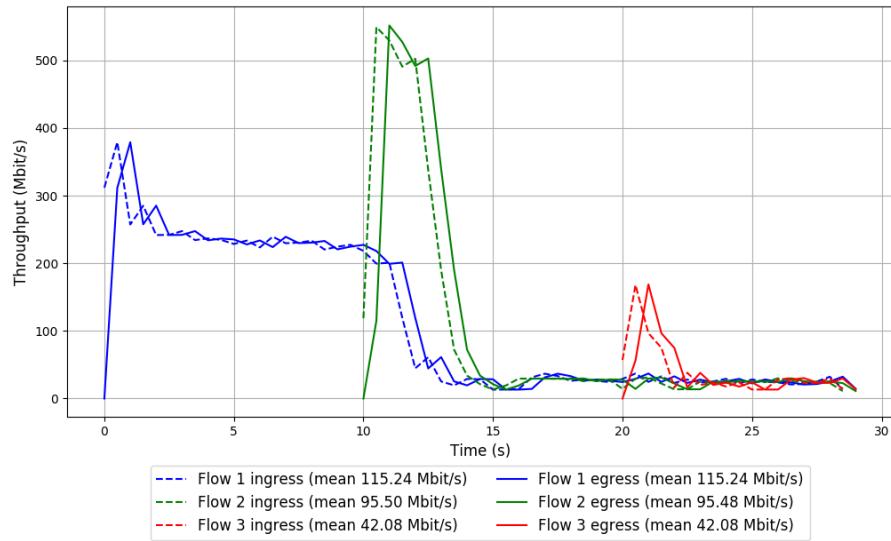


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-08-27 00:23:24
End at: 2019-08-27 00:23:54
Local clock offset: -0.494 ms
Remote clock offset: 1.646 ms

# Below is generated by plot.py at 2019-08-27 02:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 188.89 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 115.24 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 2.999 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 2.195 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC5 — Data Link

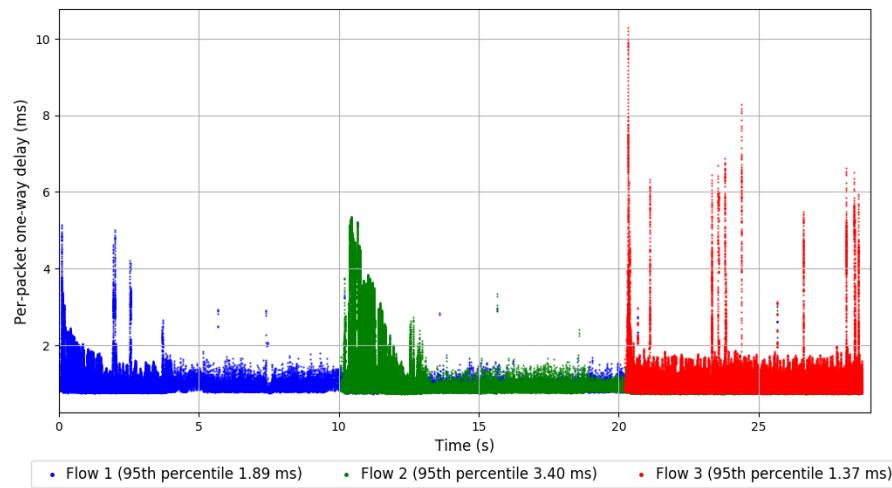
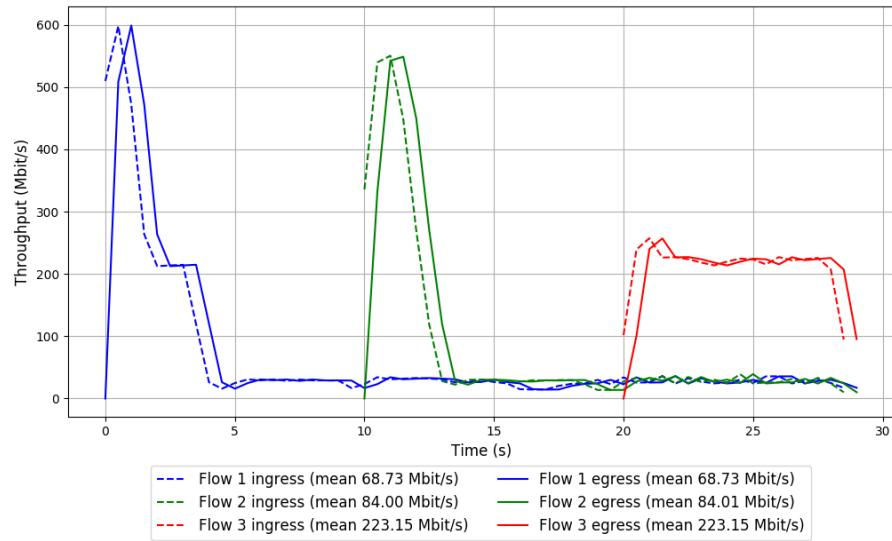


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-08-27 00:57:05
End at: 2019-08-27 00:57:35
Local clock offset: -0.635 ms
Remote clock offset: 3.419 ms

# Below is generated by plot.py at 2019-08-27 02:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 189.24 Mbit/s
95th percentile per-packet one-way delay: 2.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.73 Mbit/s
95th percentile per-packet one-way delay: 1.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 3.403 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 223.15 Mbit/s
95th percentile per-packet one-way delay: 1.370 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC5 — Data Link

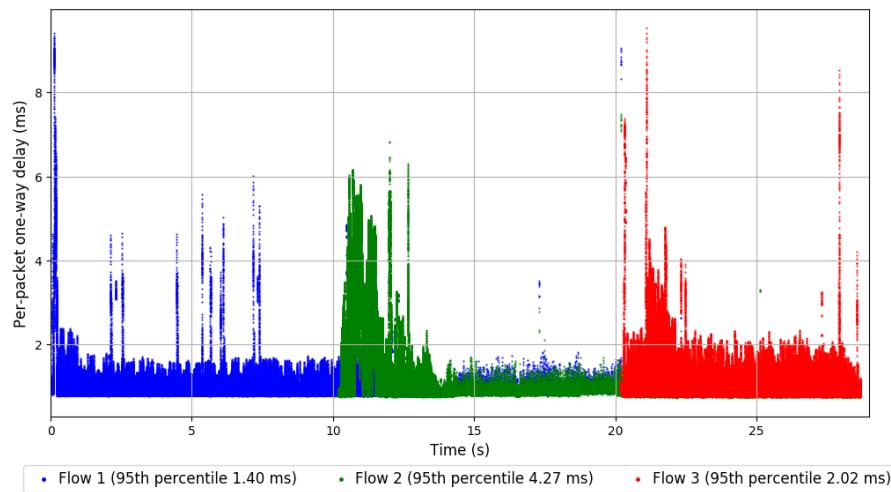
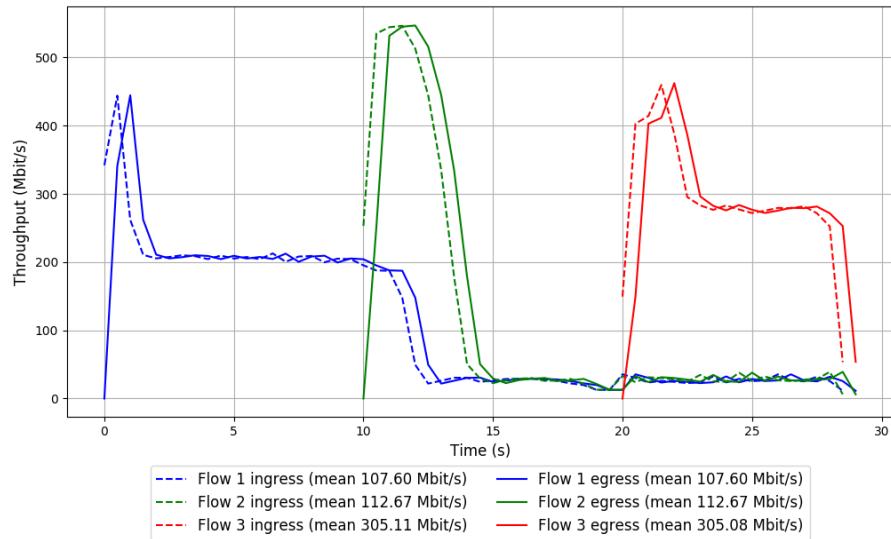


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-08-27 01:30:36
End at: 2019-08-27 01:31:06
Local clock offset: -0.199 ms
Remote clock offset: 4.28 ms

# Below is generated by plot.py at 2019-08-27 02:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.82 Mbit/s
95th percentile per-packet one-way delay: 2.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.60 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.67 Mbit/s
95th percentile per-packet one-way delay: 4.273 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 305.08 Mbit/s
95th percentile per-packet one-way delay: 2.021 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC5 — Data Link

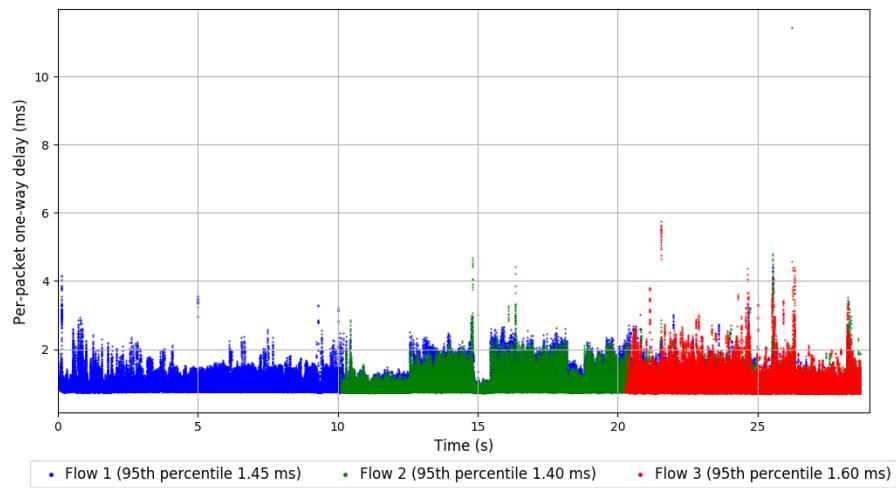
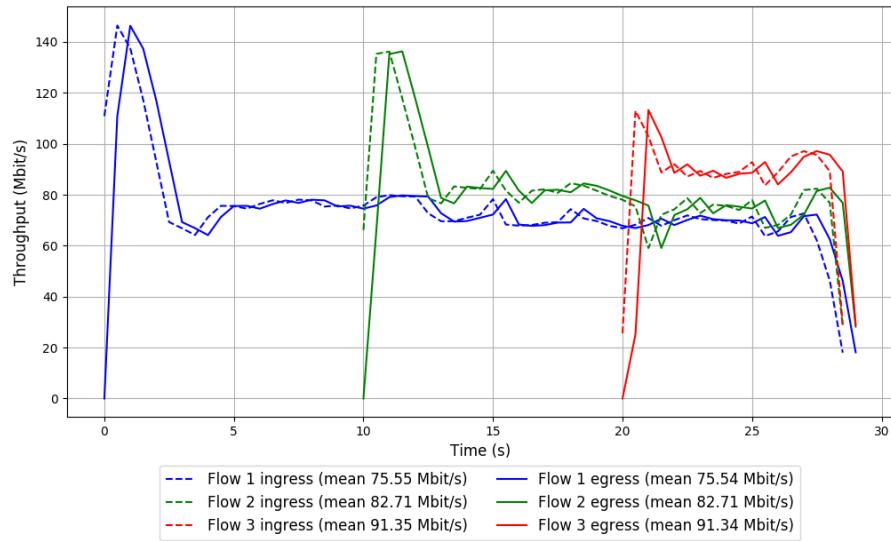


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 23:25:42
End at: 2019-08-26 23:26:12
Local clock offset: -0.161 ms
Remote clock offset: 2.552 ms

# Below is generated by plot.py at 2019-08-27 02:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 155.81 Mbit/s
95th percentile per-packet one-way delay: 1.463 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.54 Mbit/s
95th percentile per-packet one-way delay: 1.451 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 1.401 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 1.598 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

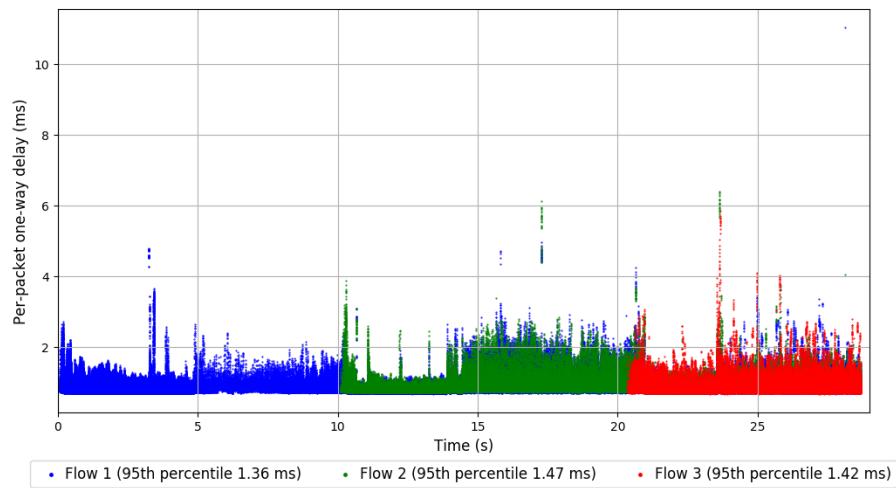
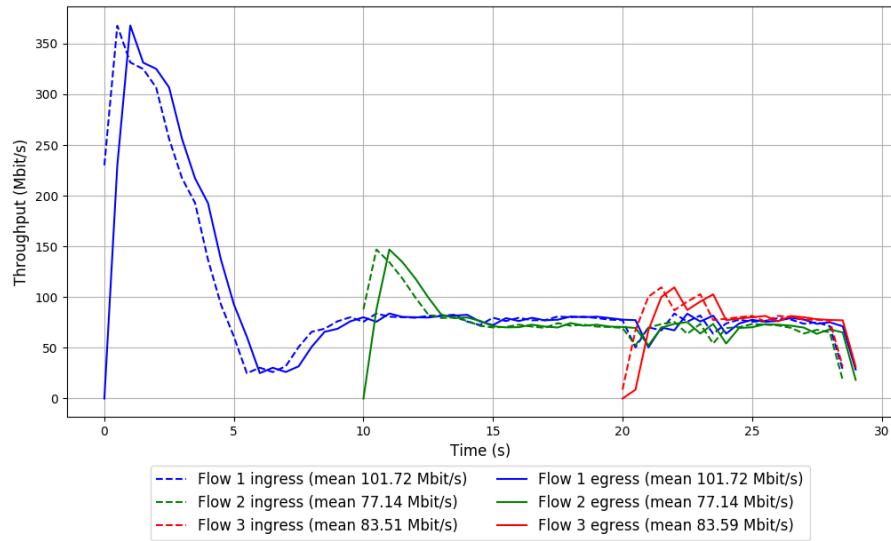


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-08-26 23:59:24
End at: 2019-08-26 23:59:54
Local clock offset: -0.393 ms
Remote clock offset: 3.994 ms

# Below is generated by plot.py at 2019-08-27 02:36:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 175.96 Mbit/s
95th percentile per-packet one-way delay: 1.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.72 Mbit/s
95th percentile per-packet one-way delay: 1.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.14 Mbit/s
95th percentile per-packet one-way delay: 1.473 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesD — Data Link

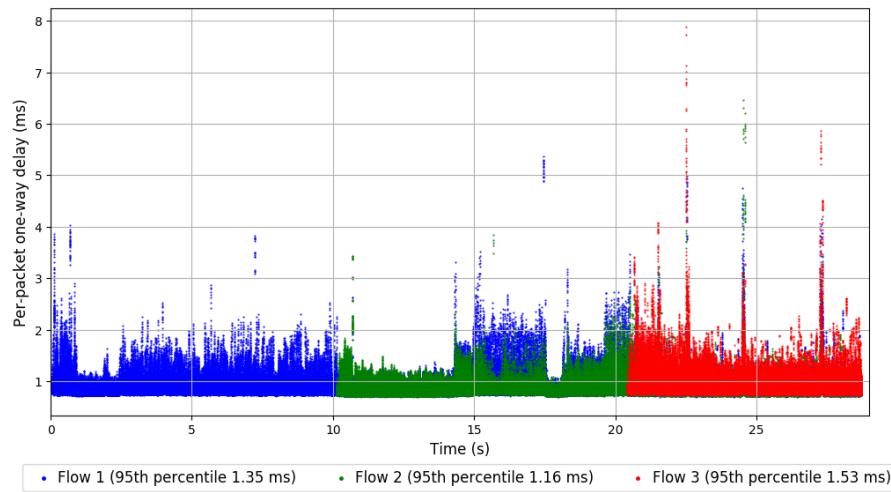
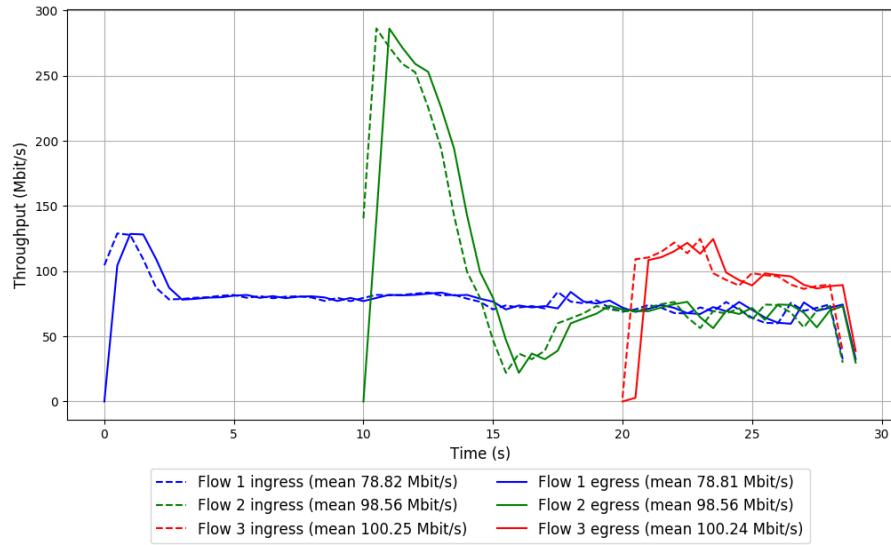


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-08-27 00:33:09
End at: 2019-08-27 00:33:39
Local clock offset: -0.596 ms
Remote clock offset: 1.949 ms

# Below is generated by plot.py at 2019-08-27 02:36:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 171.57 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.81 Mbit/s
95th percentile per-packet one-way delay: 1.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.56 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.24 Mbit/s
95th percentile per-packet one-way delay: 1.526 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesD — Data Link

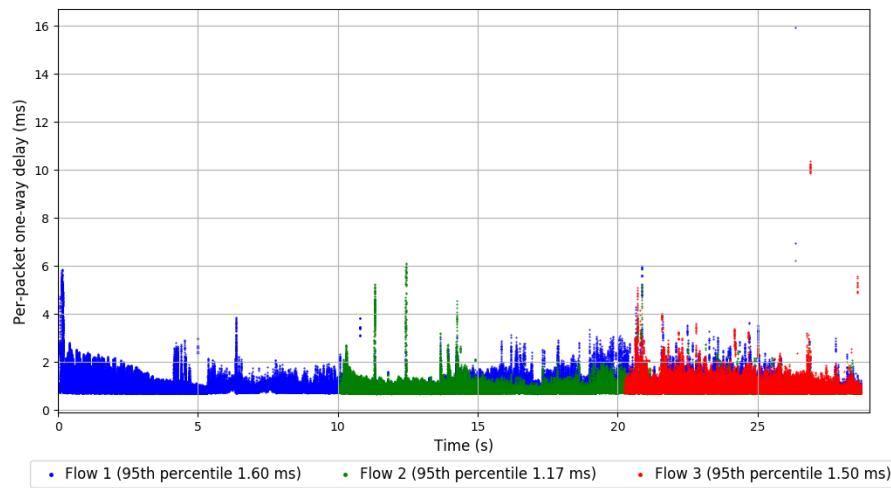
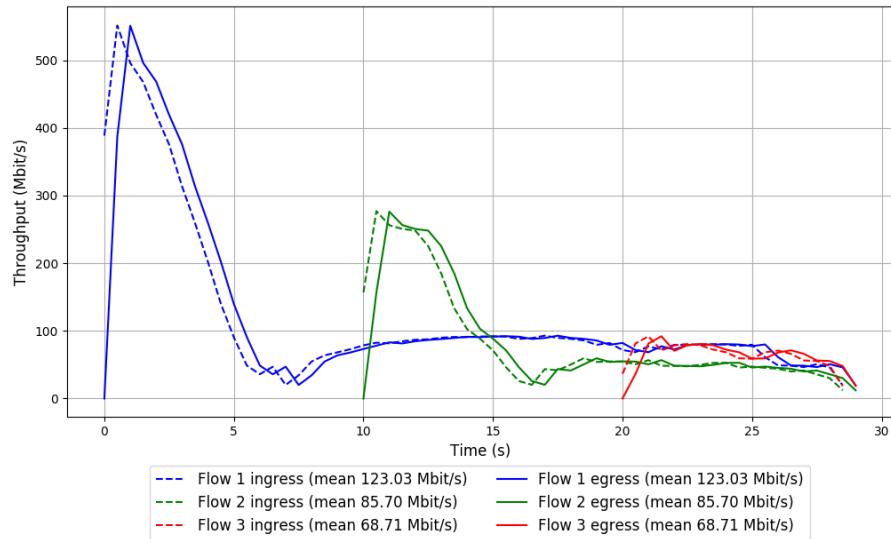


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-08-27 01:06:52
End at: 2019-08-27 01:07:22
Local clock offset: -0.575 ms
Remote clock offset: 3.81 ms

# Below is generated by plot.py at 2019-08-27 02:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.94 Mbit/s
95th percentile per-packet one-way delay: 1.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.03 Mbit/s
95th percentile per-packet one-way delay: 1.601 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.71 Mbit/s
95th percentile per-packet one-way delay: 1.500 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesD — Data Link

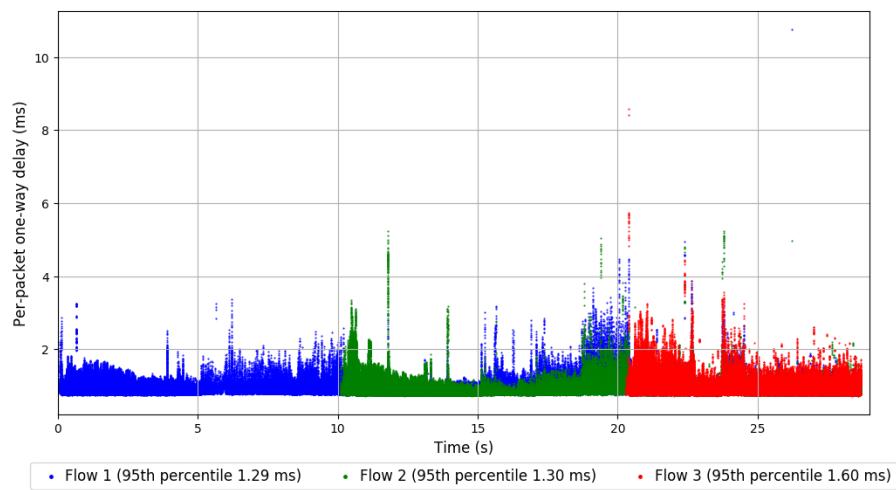
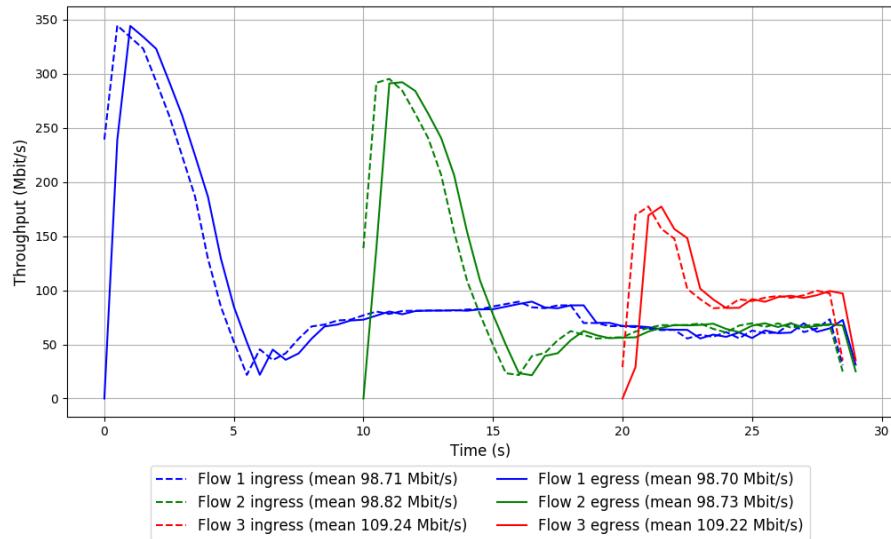


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-08-27 01:40:27
End at: 2019-08-27 01:40:57
Local clock offset: 0.052 ms
Remote clock offset: 4.87 ms

# Below is generated by plot.py at 2019-08-27 02:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 194.54 Mbit/s
95th percentile per-packet one-way delay: 1.354 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 98.70 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 98.73 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 109.22 Mbit/s
95th percentile per-packet one-way delay: 1.598 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo-MusesD — Data Link

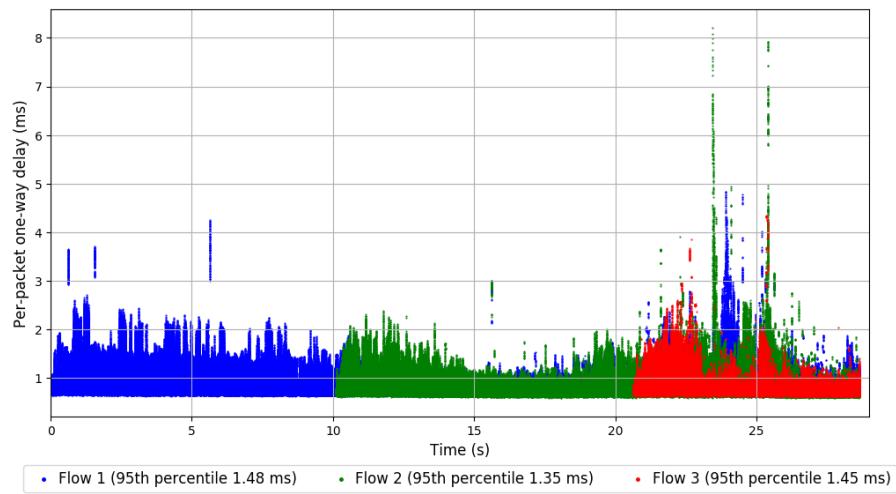
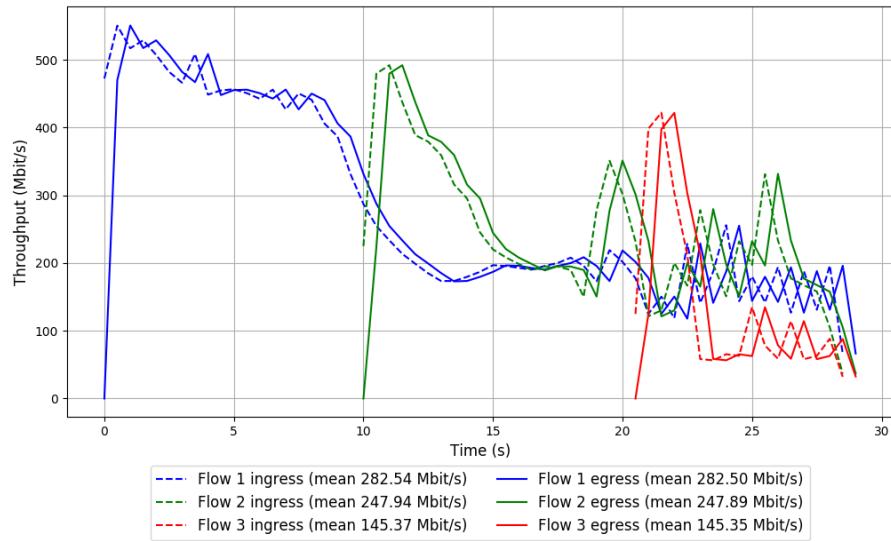


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-08-26 23:22:57
End at: 2019-08-26 23:23:27
Local clock offset: -0.15 ms
Remote clock offset: 2.308 ms

# Below is generated by plot.py at 2019-08-27 02:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 483.85 Mbit/s
95th percentile per-packet one-way delay: 1.430 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 282.50 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 247.89 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 145.35 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-MusesT — Data Link

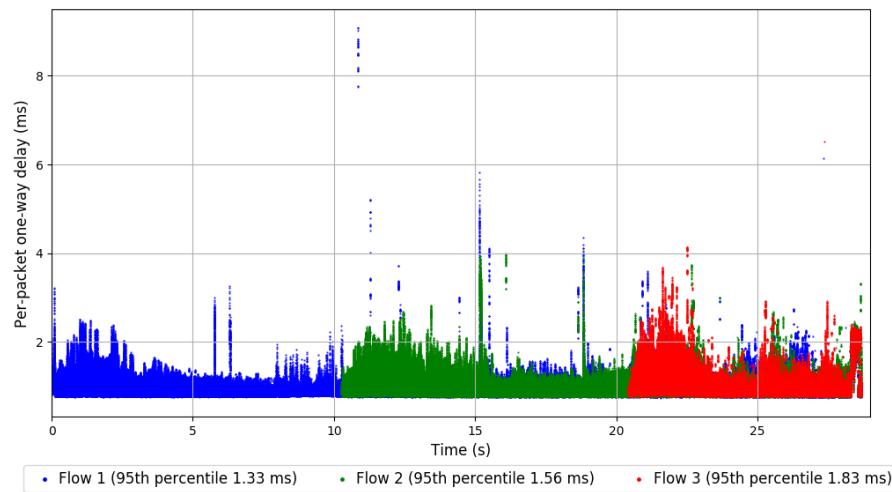
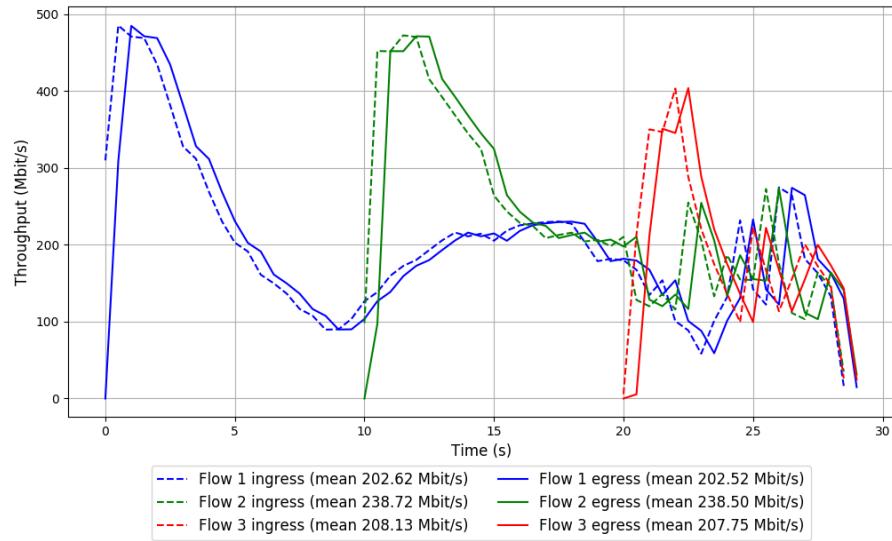


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-08-26 23:56:41
End at: 2019-08-26 23:57:11
Local clock offset: -0.386 ms
Remote clock offset: 4.007 ms

# Below is generated by plot.py at 2019-08-27 02:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.61 Mbit/s
95th percentile per-packet one-way delay: 1.516 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 202.52 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 238.50 Mbit/s
95th percentile per-packet one-way delay: 1.557 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 207.75 Mbit/s
95th percentile per-packet one-way delay: 1.831 ms
Loss rate: 0.19%
```

Run 2: Report of Indigo-MusesT — Data Link

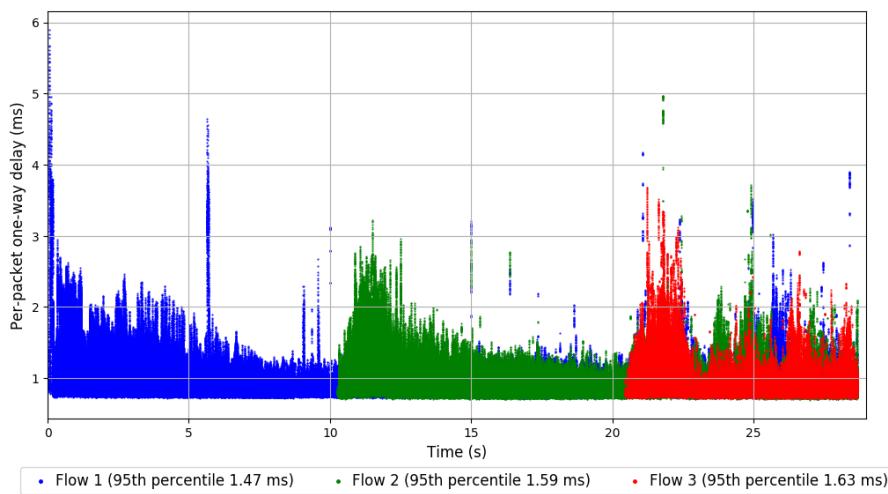
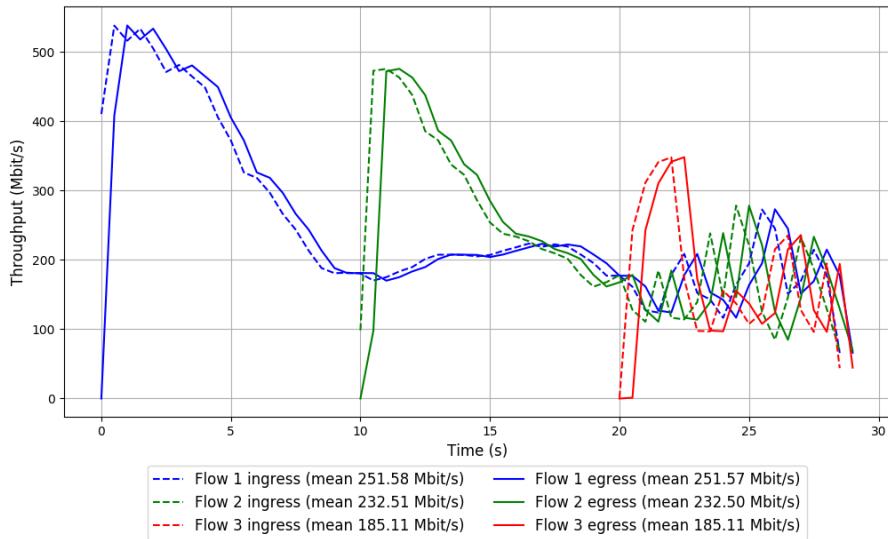


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-08-27 00:30:25
End at: 2019-08-27 00:30:55
Local clock offset: -0.582 ms
Remote clock offset: 1.868 ms

# Below is generated by plot.py at 2019-08-27 02:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 454.05 Mbit/s
95th percentile per-packet one-way delay: 1.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.57 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 232.50 Mbit/s
95th percentile per-packet one-way delay: 1.590 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 185.11 Mbit/s
95th percentile per-packet one-way delay: 1.630 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesT — Data Link

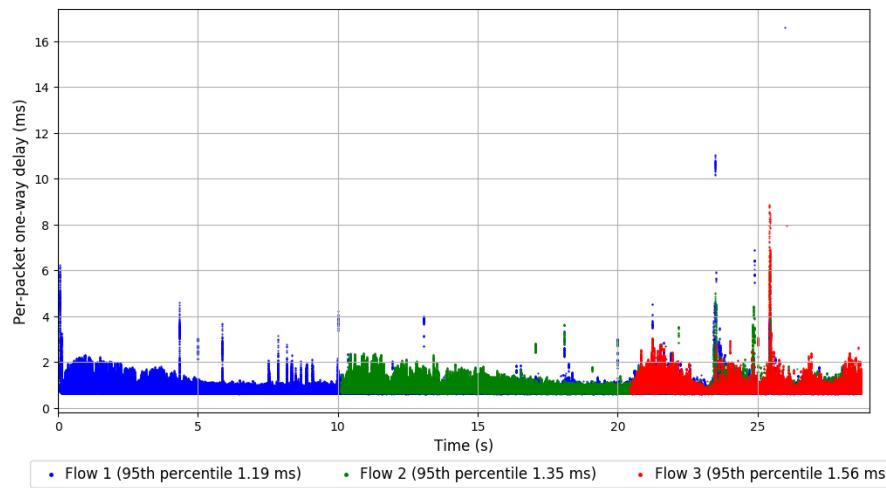
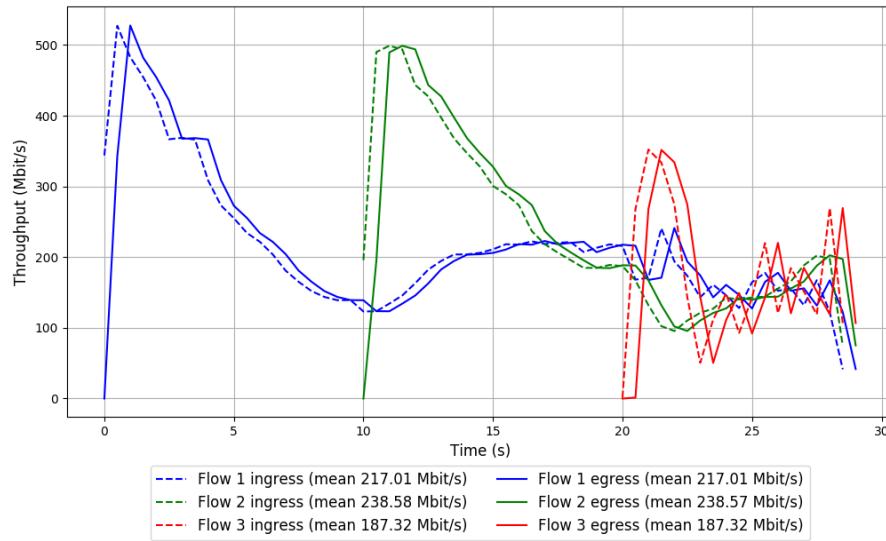


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-08-27 01:04:09
End at: 2019-08-27 01:04:39
Local clock offset: -0.613 ms
Remote clock offset: 3.617 ms

# Below is generated by plot.py at 2019-08-27 02:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 425.39 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.01 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 238.57 Mbit/s
95th percentile per-packet one-way delay: 1.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 187.32 Mbit/s
95th percentile per-packet one-way delay: 1.560 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesT — Data Link

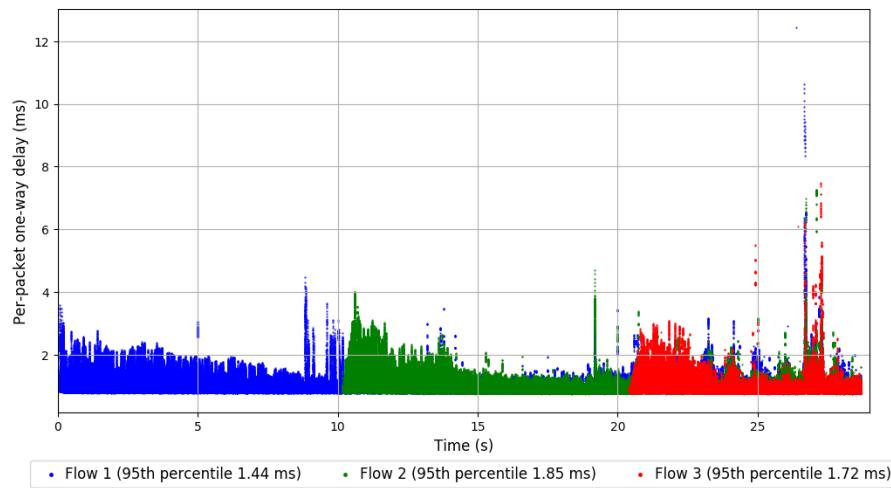
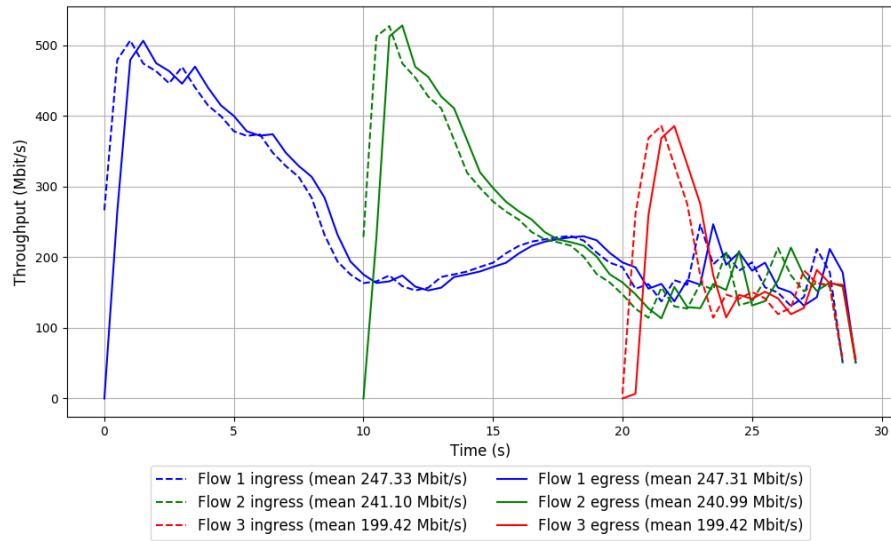


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-08-27 01:37:43
End at: 2019-08-27 01:38:13
Local clock offset: -0.021 ms
Remote clock offset: 4.725 ms

# Below is generated by plot.py at 2019-08-27 02:41:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 460.48 Mbit/s
95th percentile per-packet one-way delay: 1.632 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 247.31 Mbit/s
95th percentile per-packet one-way delay: 1.438 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 240.99 Mbit/s
95th percentile per-packet one-way delay: 1.855 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 199.42 Mbit/s
95th percentile per-packet one-way delay: 1.724 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesT — Data Link

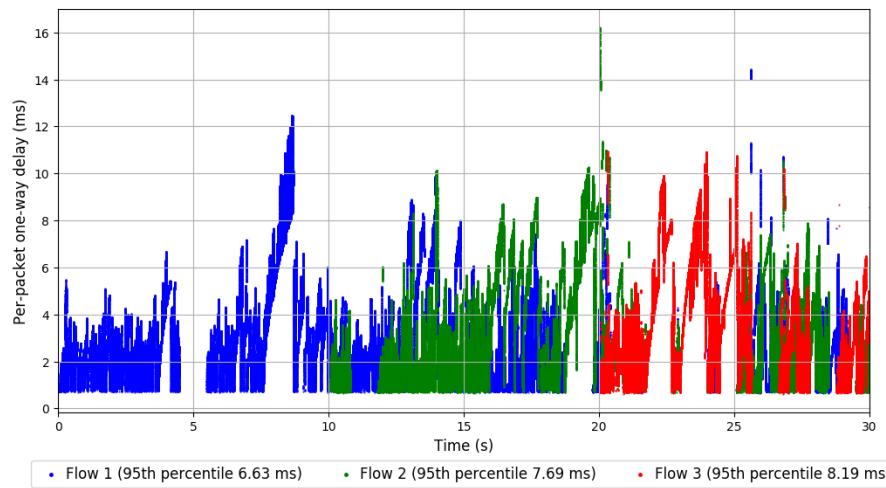
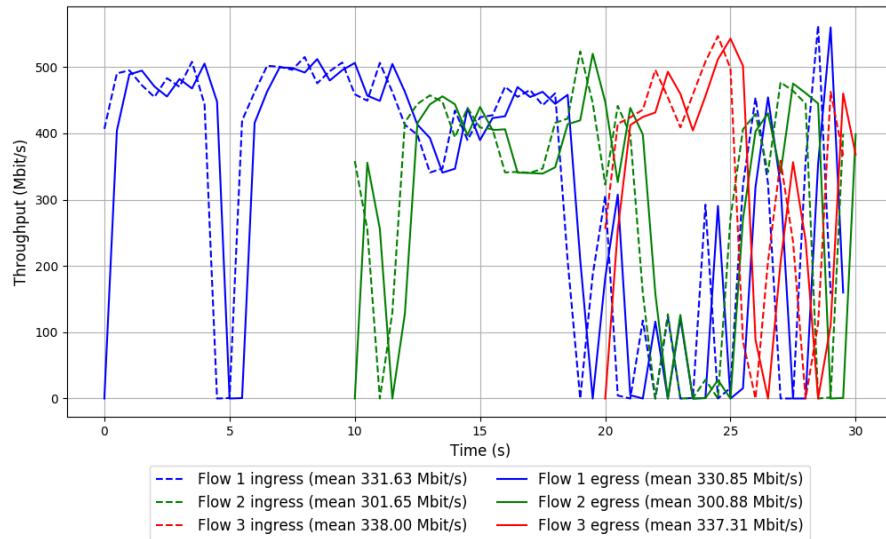


Run 1: Statistics of LEDBAT

```
Start at: 2019-08-26 23:38:28
End at: 2019-08-26 23:38:58
Local clock offset: -0.239 ms
Remote clock offset: 3.251 ms

# Below is generated by plot.py at 2019-08-27 02:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 634.77 Mbit/s
95th percentile per-packet one-way delay: 7.472 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 330.85 Mbit/s
95th percentile per-packet one-way delay: 6.633 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 300.88 Mbit/s
95th percentile per-packet one-way delay: 7.686 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 337.31 Mbit/s
95th percentile per-packet one-way delay: 8.194 ms
Loss rate: 0.17%
```

Run 1: Report of LEDBAT — Data Link

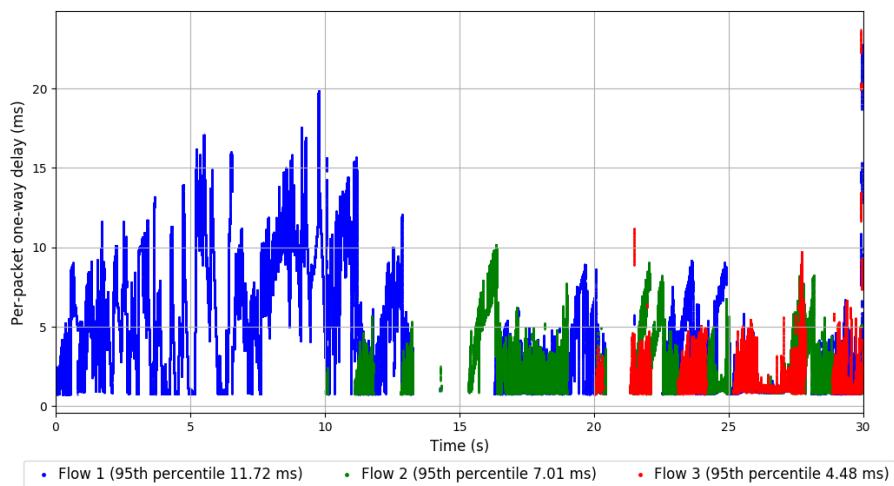
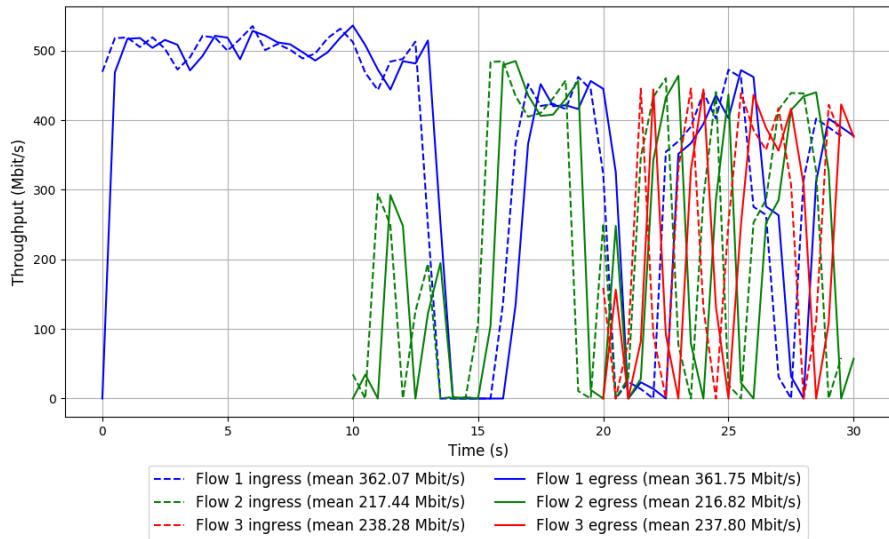


Run 2: Statistics of LEDBAT

```
Start at: 2019-08-27 00:12:09
End at: 2019-08-27 00:12:39
Local clock offset: -0.448 ms
Remote clock offset: 1.767 ms

# Below is generated by plot.py at 2019-08-27 02:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 585.20 Mbit/s
95th percentile per-packet one-way delay: 10.733 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 361.75 Mbit/s
95th percentile per-packet one-way delay: 11.716 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 216.82 Mbit/s
95th percentile per-packet one-way delay: 7.006 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 237.80 Mbit/s
95th percentile per-packet one-way delay: 4.478 ms
Loss rate: 0.19%
```

Run 2: Report of LEDBAT — Data Link

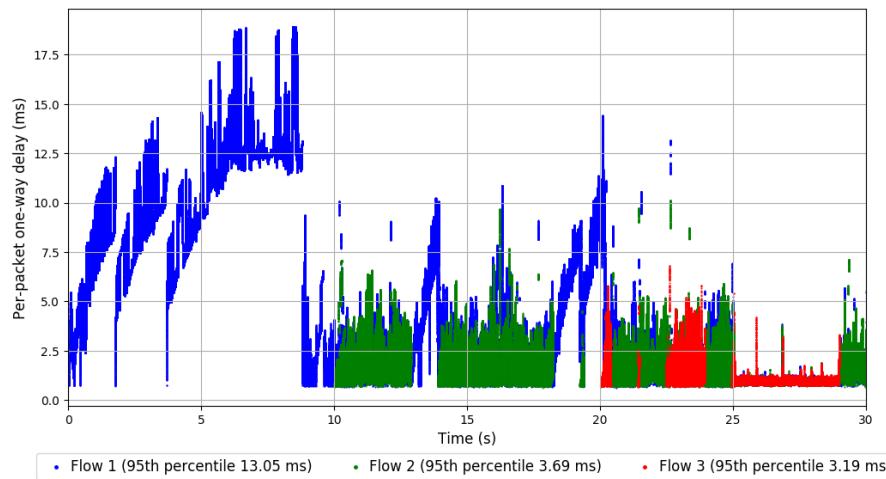
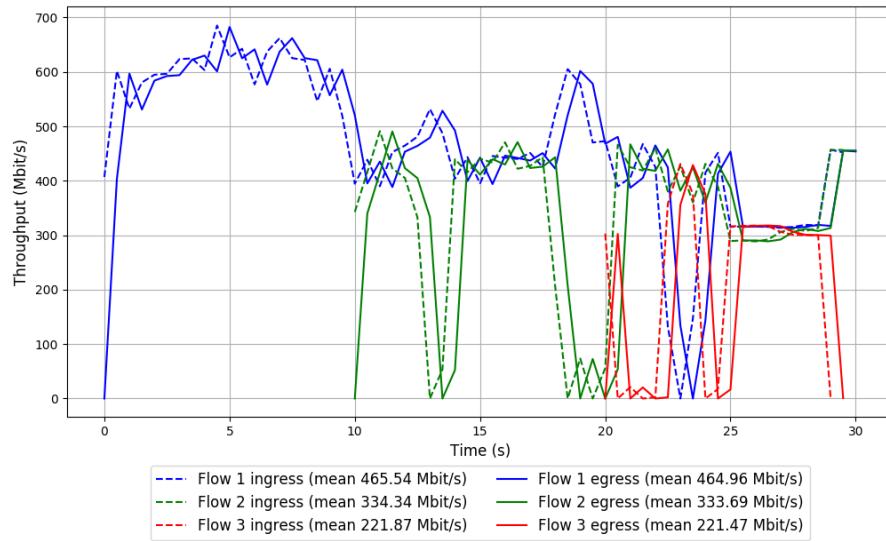


Run 3: Statistics of LEDBAT

```
Start at: 2019-08-27 00:45:48
End at: 2019-08-27 00:46:18
Local clock offset: -0.639 ms
Remote clock offset: 2.927 ms

# Below is generated by plot.py at 2019-08-27 02:46:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 753.59 Mbit/s
95th percentile per-packet one-way delay: 12.515 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 464.96 Mbit/s
95th percentile per-packet one-way delay: 13.050 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 333.69 Mbit/s
95th percentile per-packet one-way delay: 3.685 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 221.47 Mbit/s
95th percentile per-packet one-way delay: 3.187 ms
Loss rate: 0.17%
```

Run 3: Report of LEDBAT — Data Link

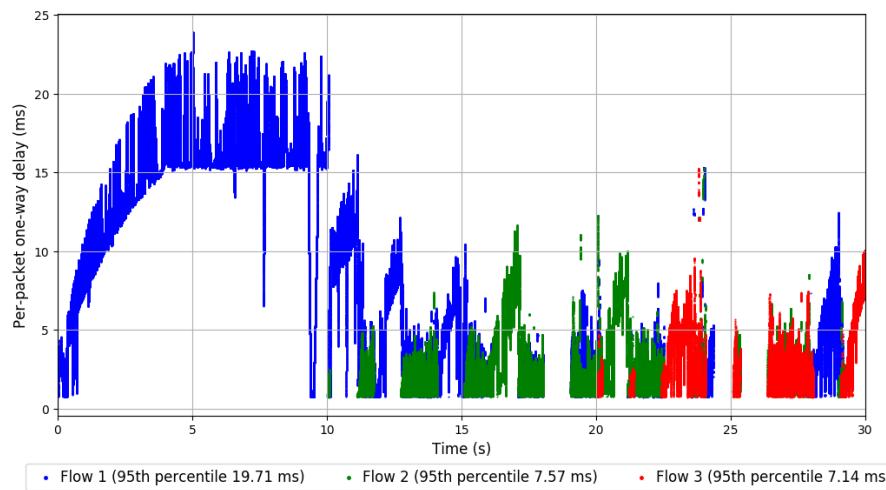
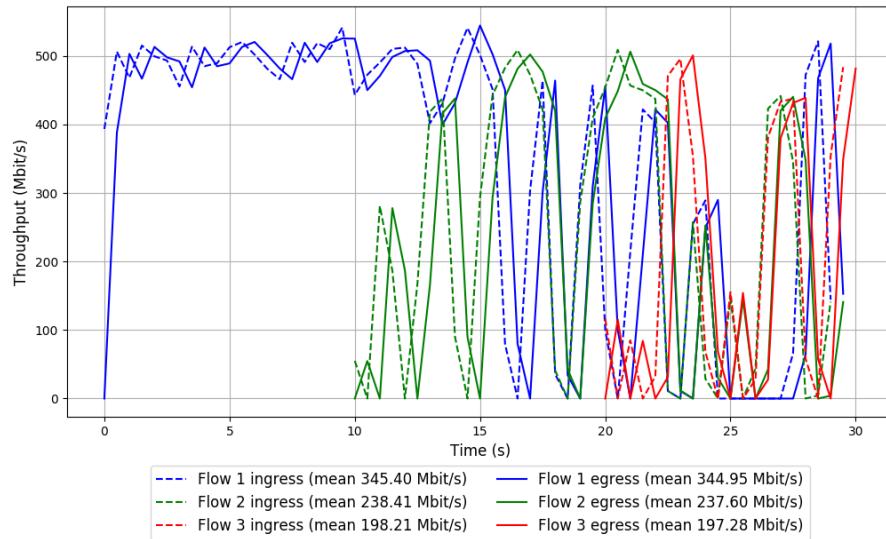


Run 4: Statistics of LEDBAT

```
Start at: 2019-08-27 01:19:34
End at: 2019-08-27 01:20:04
Local clock offset: -0.449 ms
Remote clock offset: 3.794 ms

# Below is generated by plot.py at 2019-08-27 02:46:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 553.37 Mbit/s
95th percentile per-packet one-way delay: 18.254 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 344.95 Mbit/s
95th percentile per-packet one-way delay: 19.715 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 237.60 Mbit/s
95th percentile per-packet one-way delay: 7.571 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 197.28 Mbit/s
95th percentile per-packet one-way delay: 7.139 ms
Loss rate: 0.47%
```

Run 4: Report of LEDBAT — Data Link

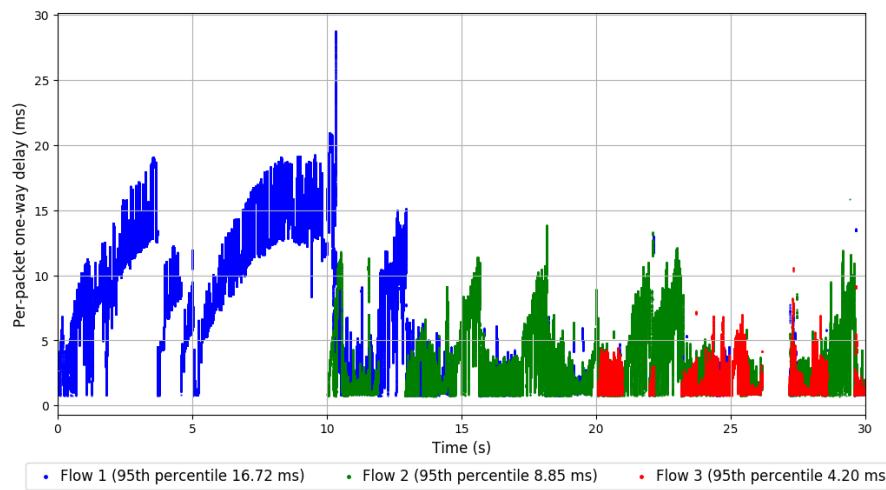
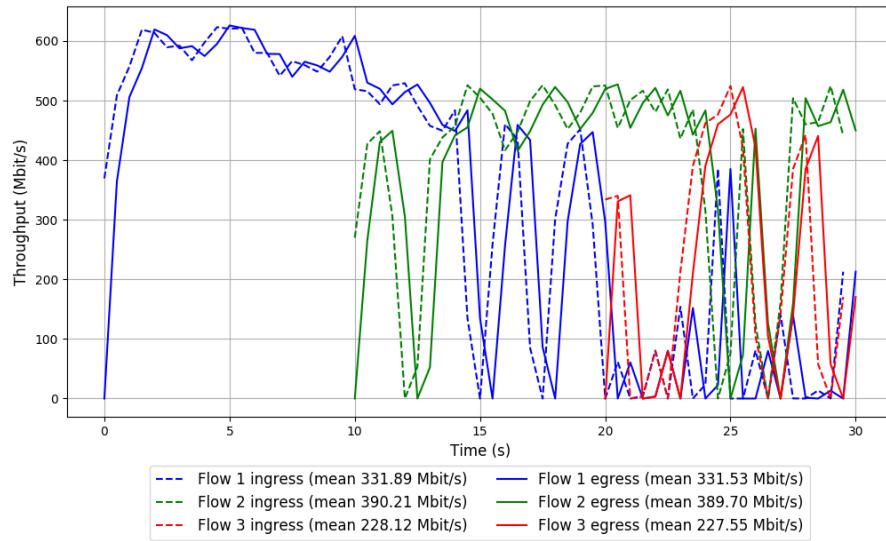


Run 5: Statistics of LEDBAT

```
Start at: 2019-08-27 01:53:18
End at: 2019-08-27 01:53:48
Local clock offset: 0.343 ms
Remote clock offset: 4.256 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 666.70 Mbit/s
95th percentile per-packet one-way delay: 14.696 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 331.53 Mbit/s
95th percentile per-packet one-way delay: 16.716 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 389.70 Mbit/s
95th percentile per-packet one-way delay: 8.853 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 227.55 Mbit/s
95th percentile per-packet one-way delay: 4.196 ms
Loss rate: 0.25%
```

Run 5: Report of LEDBAT — Data Link

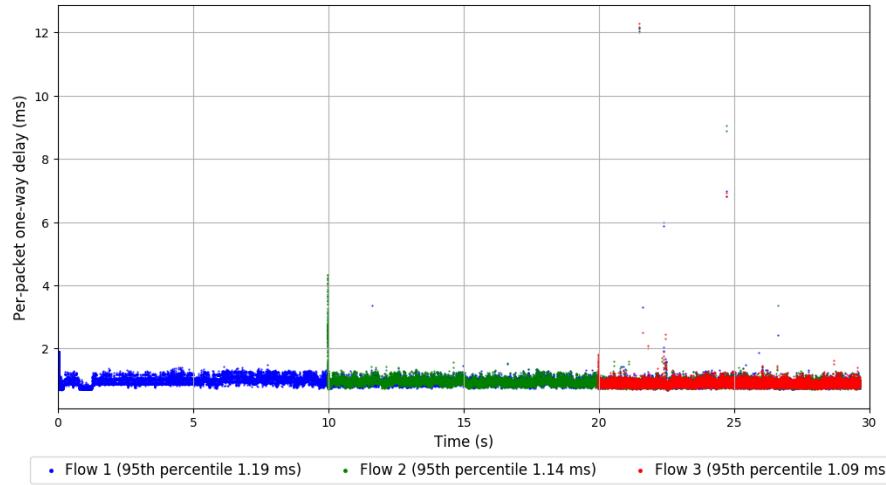
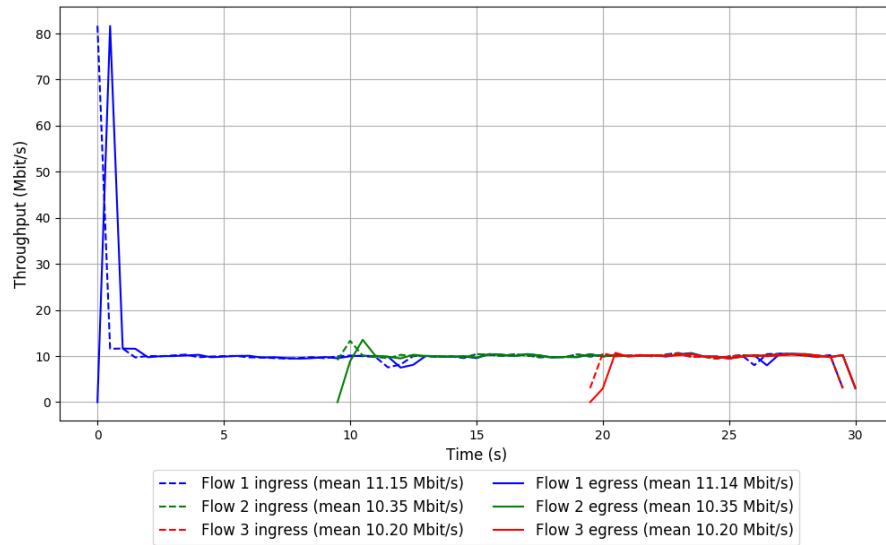


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 23:24:27
End at: 2019-08-26 23:24:57
Local clock offset: -0.173 ms
Remote clock offset: 2.464 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link

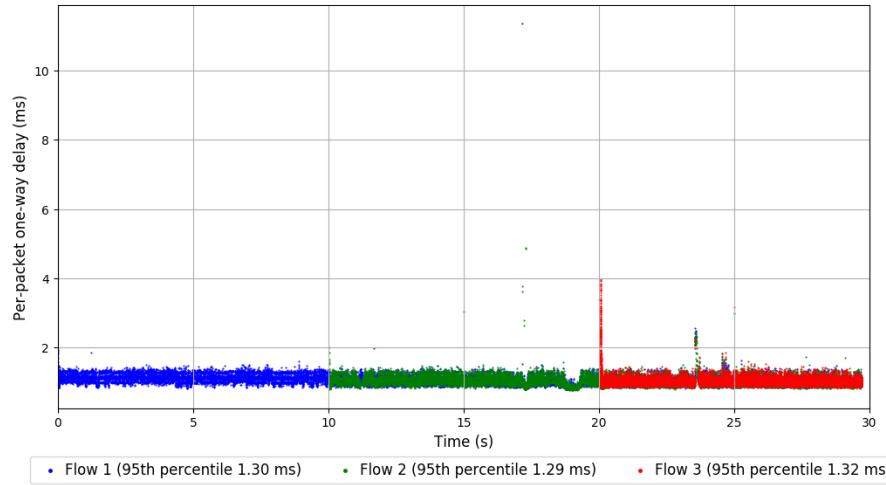
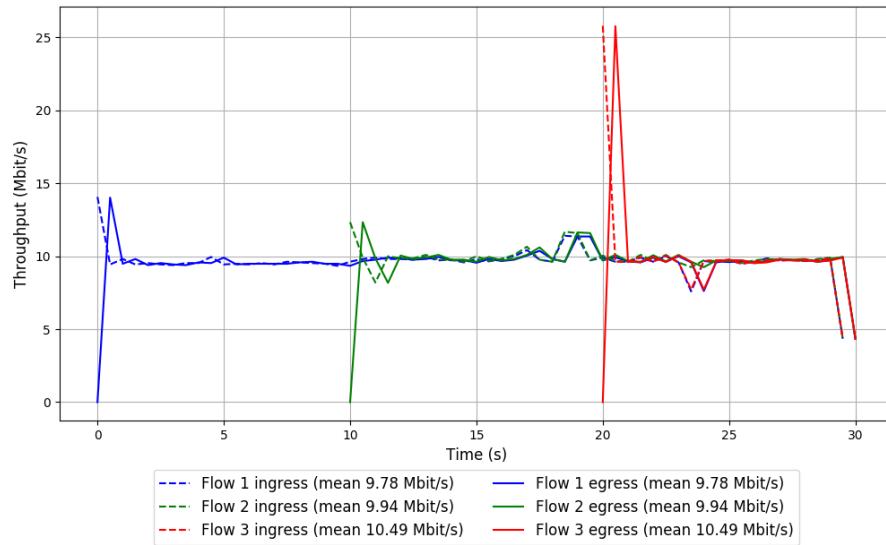


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 23:58:09
End at: 2019-08-26 23:58:39
Local clock offset: -0.404 ms
Remote clock offset: 4.045 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 1.321 ms
Loss rate: 0.01%
```

Run 2: Report of Muses_DecisionTree — Data Link

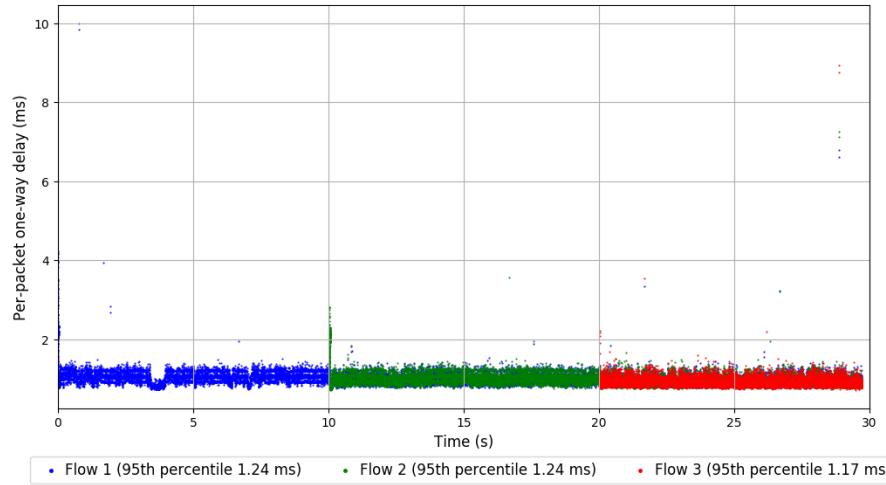
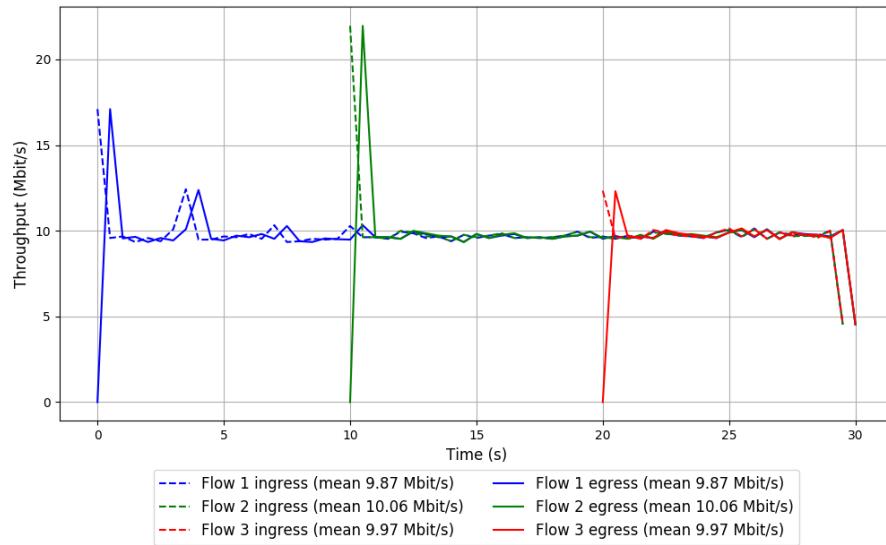


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 00:31:54
End at: 2019-08-27 00:32:24
Local clock offset: -0.6 ms
Remote clock offset: 1.901 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTree — Data Link

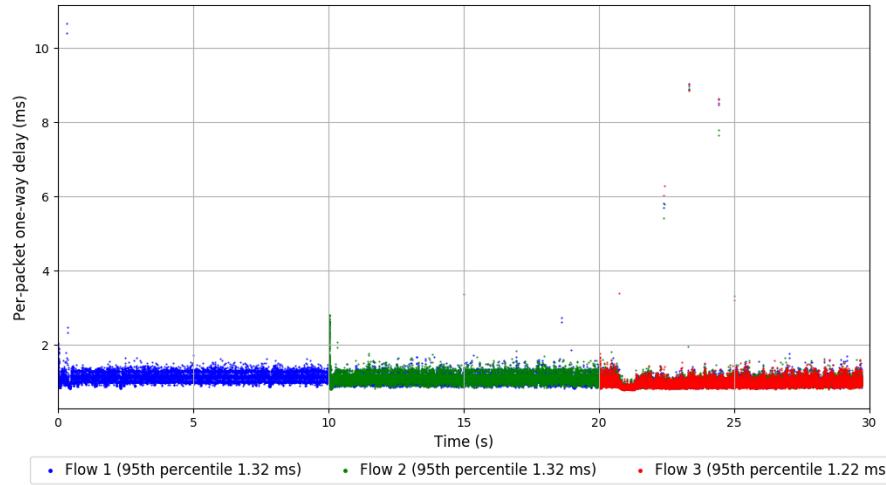
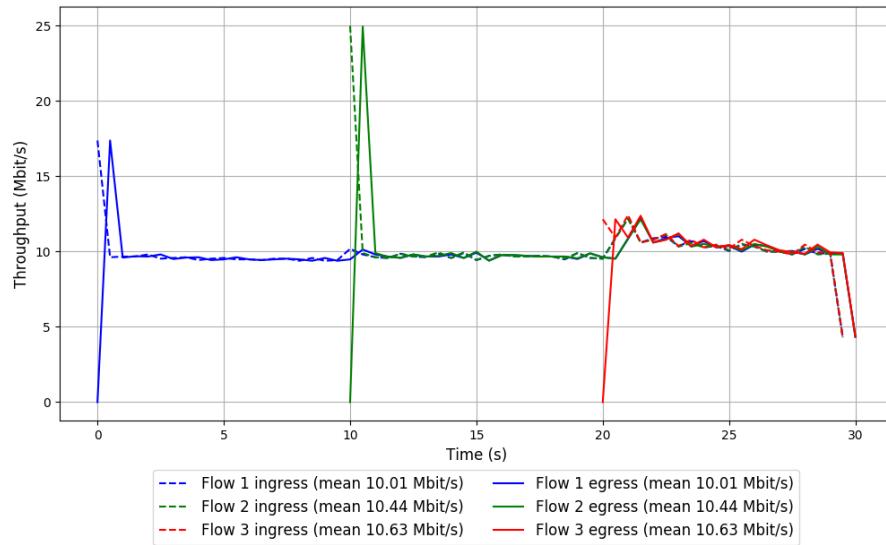


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 01:05:37
End at: 2019-08-27 01:06:07
Local clock offset: -0.627 ms
Remote clock offset: 3.821 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.01 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.00%
```

Run 4: Report of Muses_DecisionTree — Data Link

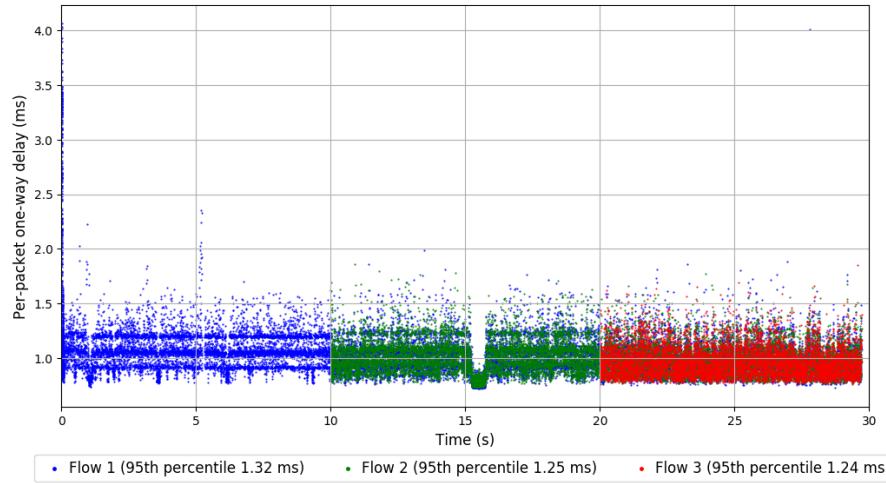
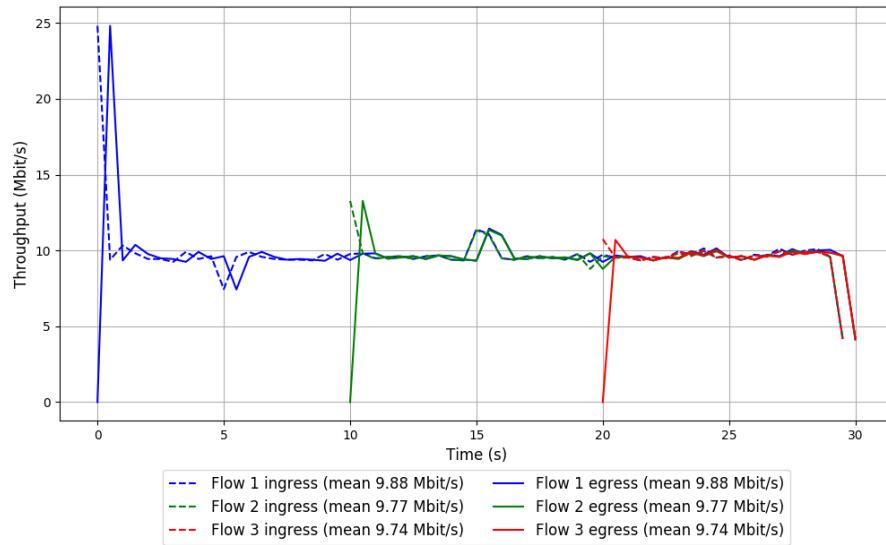


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 01:39:12
End at: 2019-08-27 01:39:42
Local clock offset: -0.001 ms
Remote clock offset: 4.76 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.53 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTree — Data Link

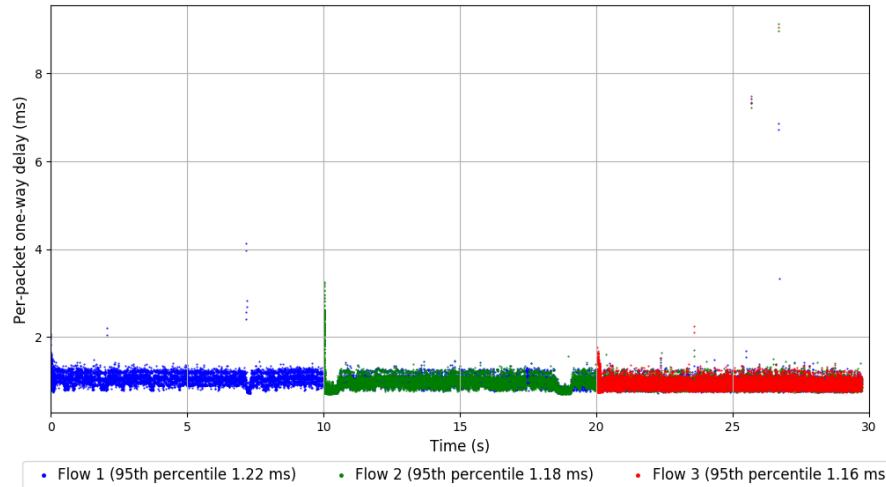
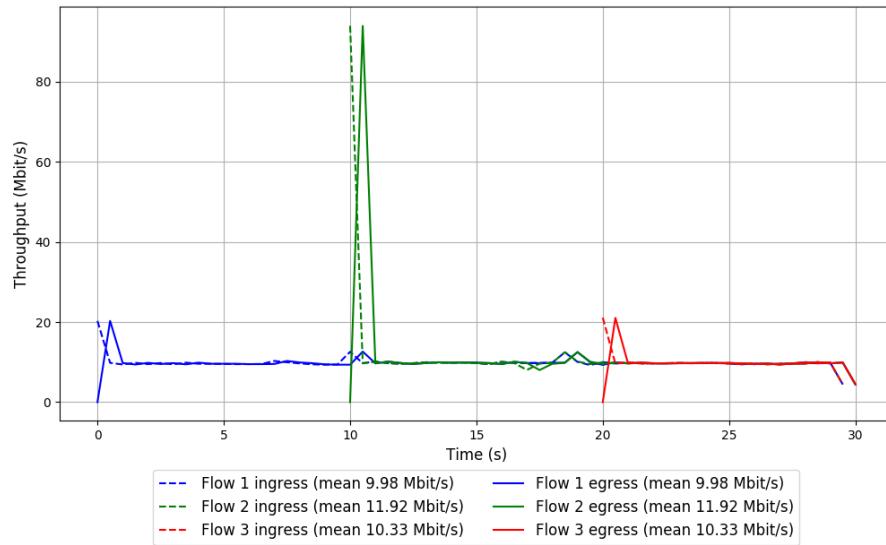


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-26 23:34:09
End at: 2019-08-26 23:34:39
Local clock offset: -0.254 ms
Remote clock offset: 3.019 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

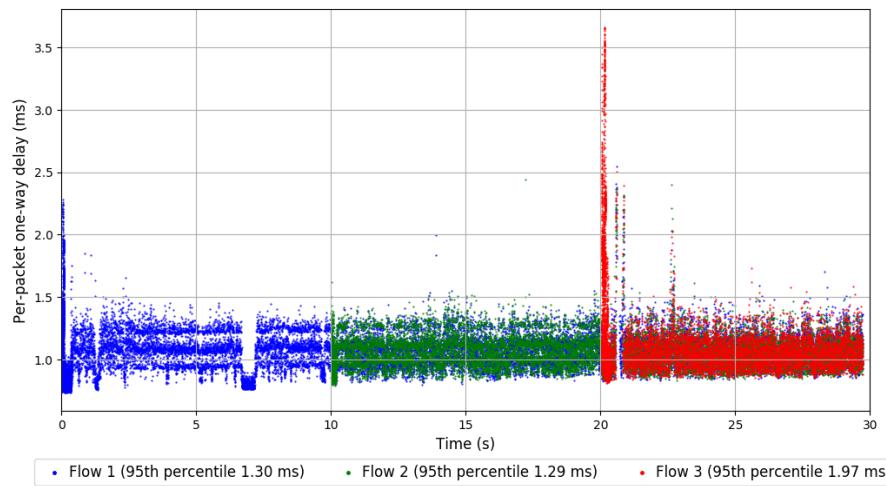
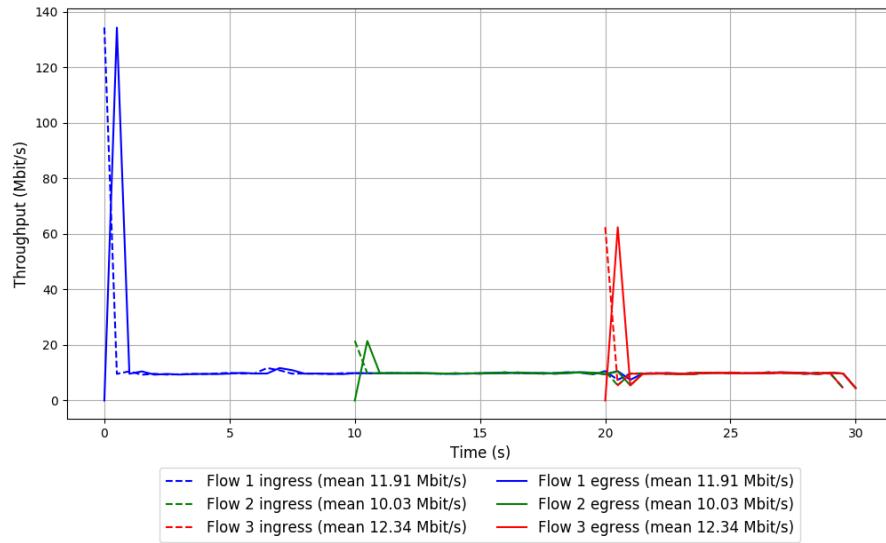


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 00:07:51
End at: 2019-08-27 00:08:21
Local clock offset: -0.437 ms
Remote clock offset: 2.245 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.03 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 1.973 ms
Loss rate: 0.03%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

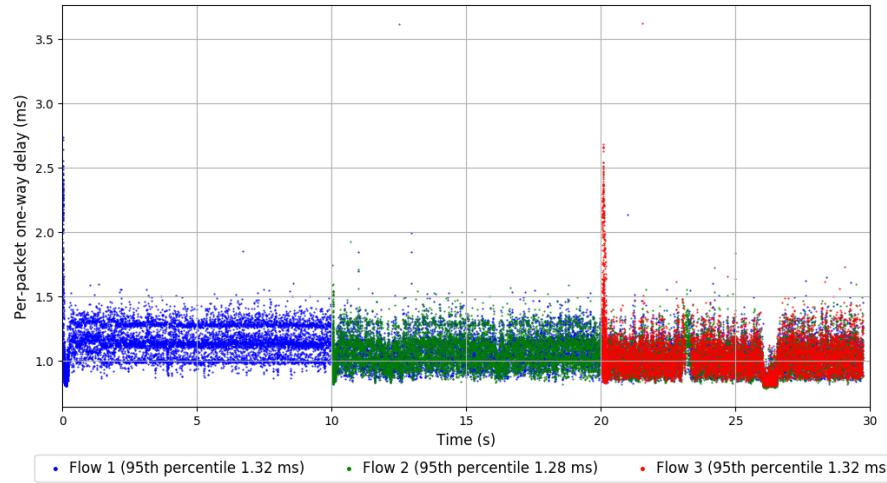
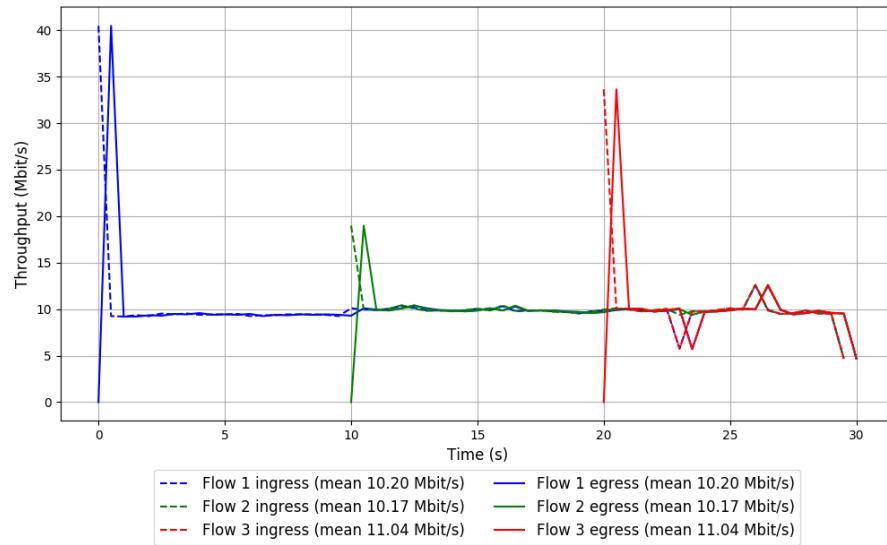


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 00:41:32
End at: 2019-08-27 00:42:02
Local clock offset: -0.665 ms
Remote clock offset: 2.866 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 1.307 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.02%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

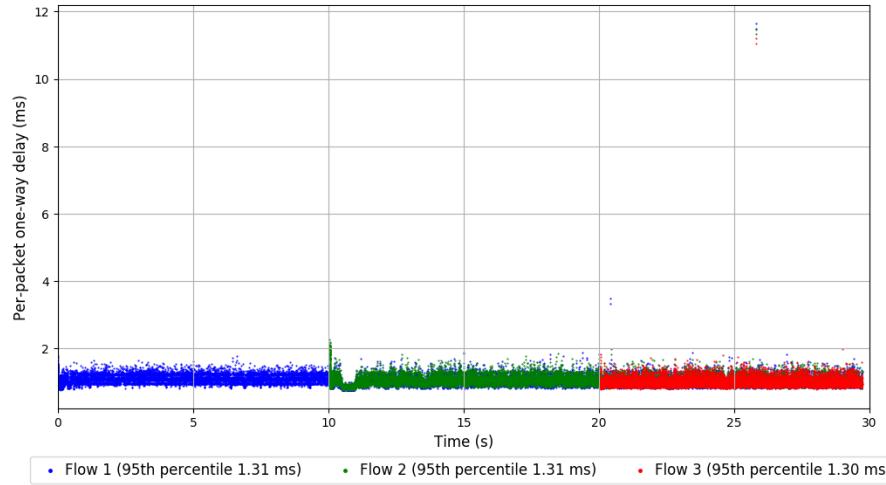
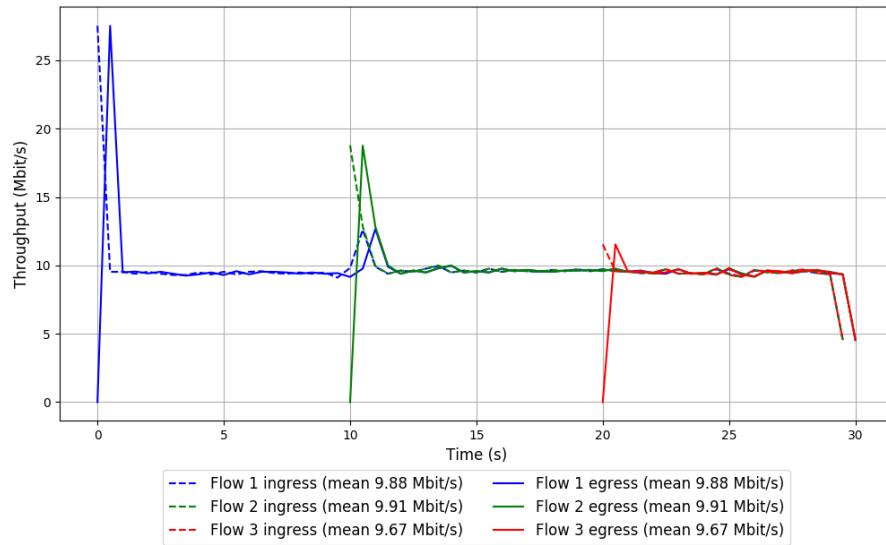


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 01:15:17
End at: 2019-08-27 01:15:47
Local clock offset: -0.529 ms
Remote clock offset: 3.748 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 1.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.00%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

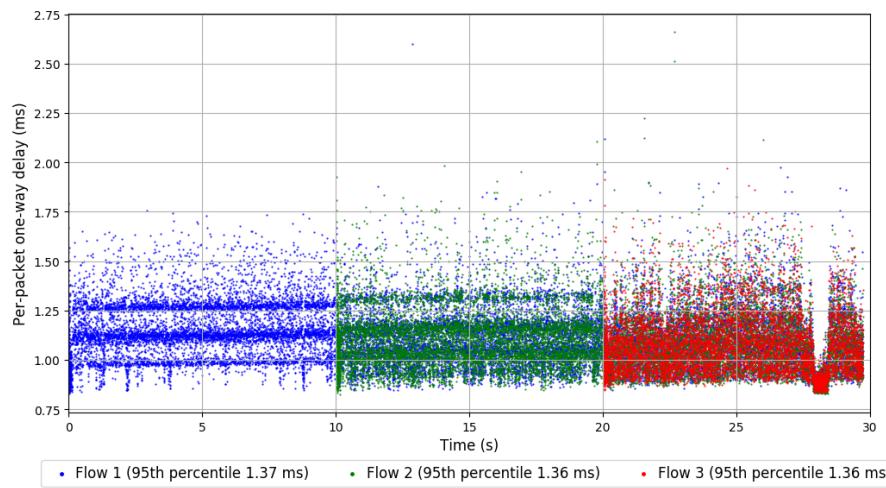
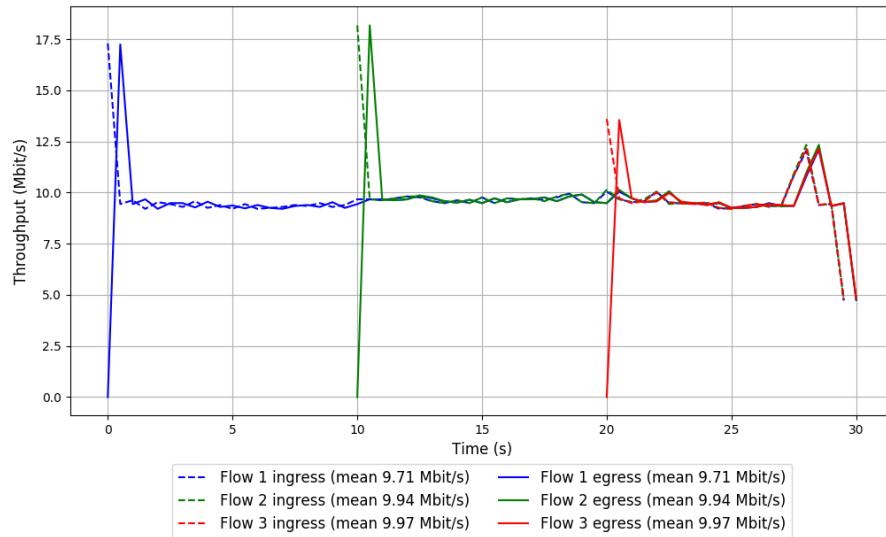


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-27 01:49:00
End at: 2019-08-27 01:49:30
Local clock offset: 0.262 ms
Remote clock offset: 4.484 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 1.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 1.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 1.358 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

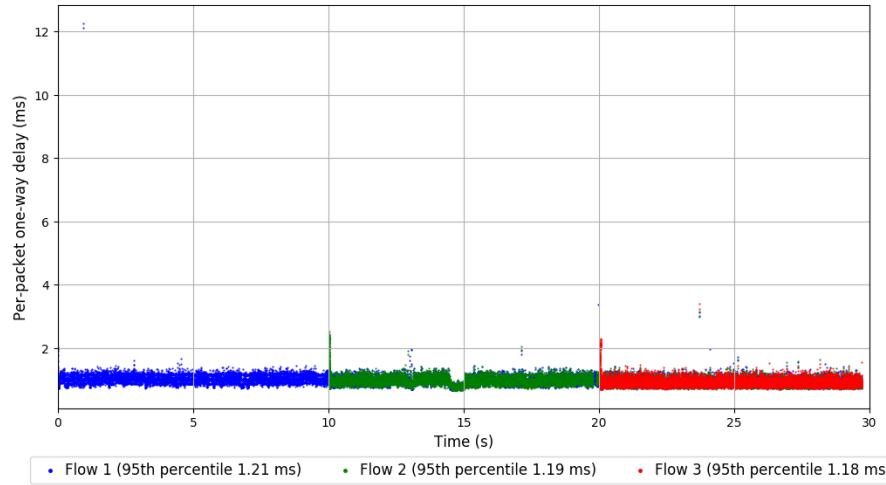
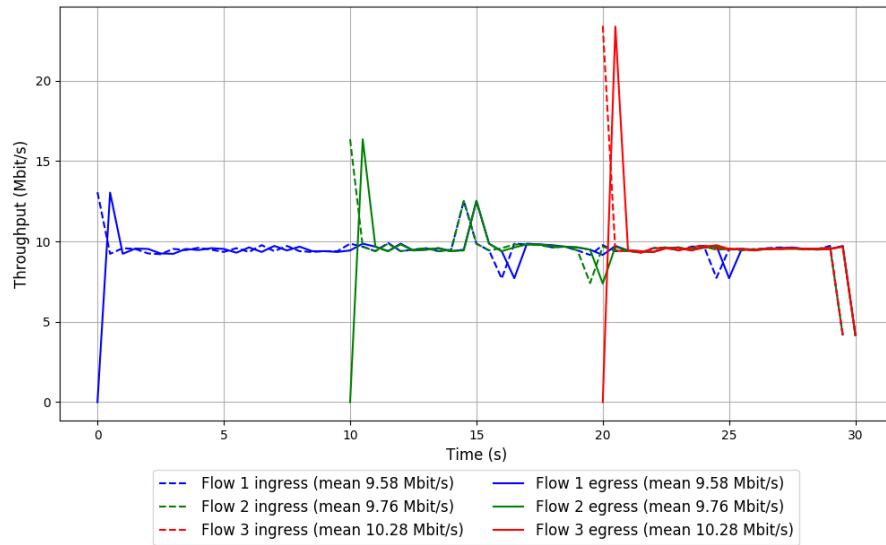


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 23:37:13
End at: 2019-08-26 23:37:43
Local clock offset: -0.231 ms
Remote clock offset: 3.176 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

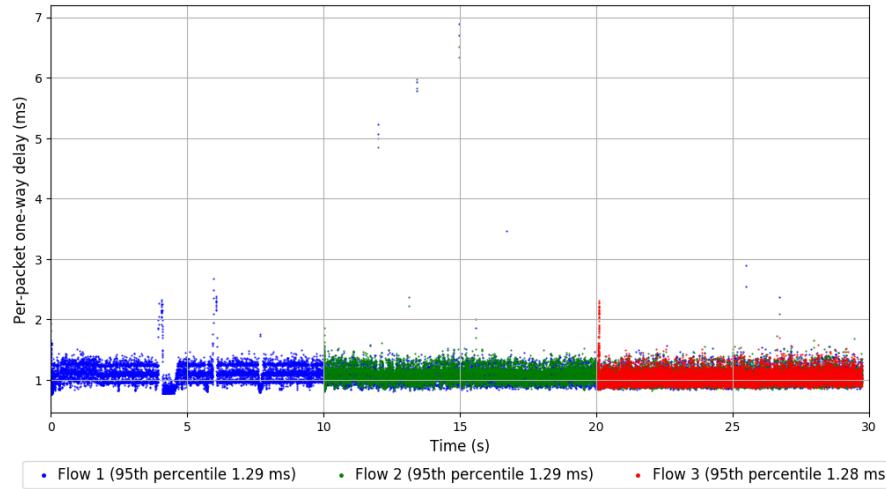
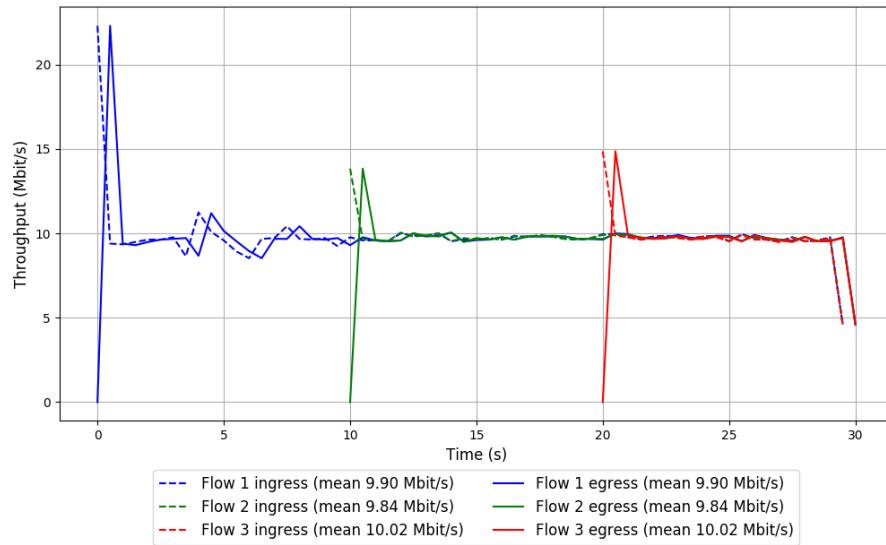


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 00:10:54
End at: 2019-08-27 00:11:24
Local clock offset: -0.458 ms
Remote clock offset: 1.872 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.00%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

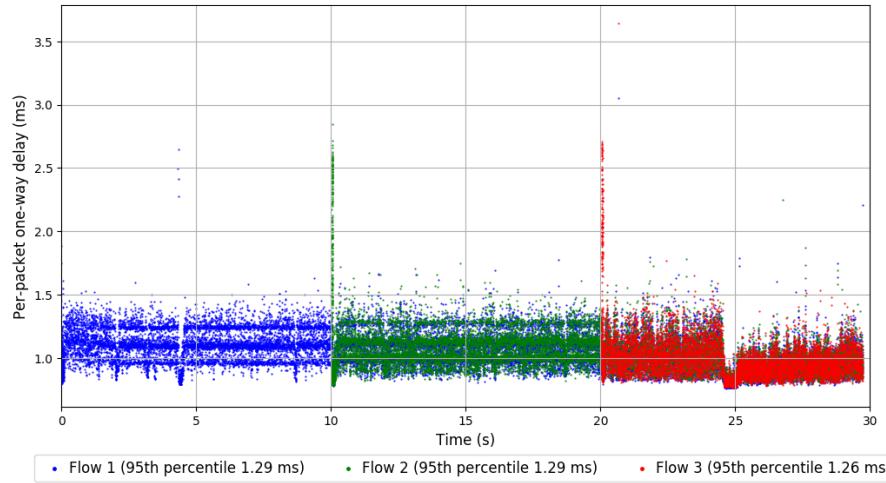
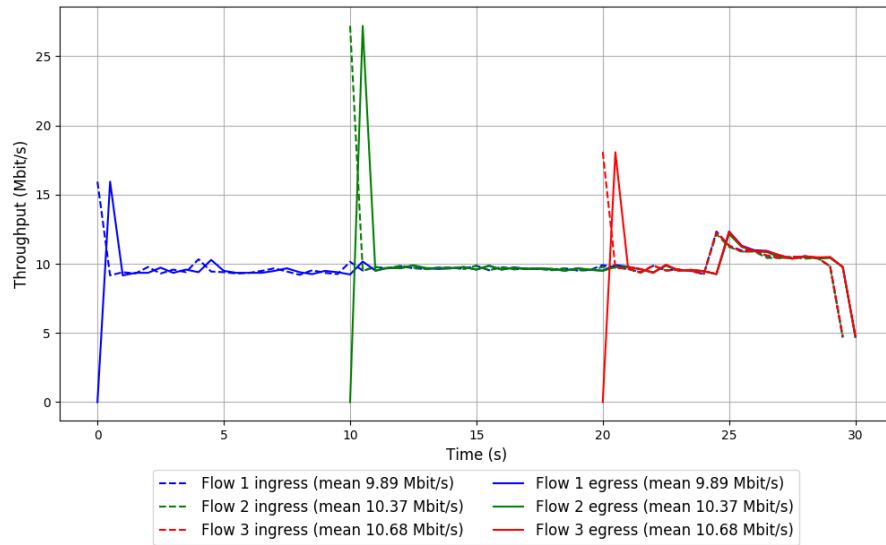


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 00:44:33
End at: 2019-08-27 00:45:03
Local clock offset: -0.651 ms
Remote clock offset: 2.941 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.89 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.68 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.00%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

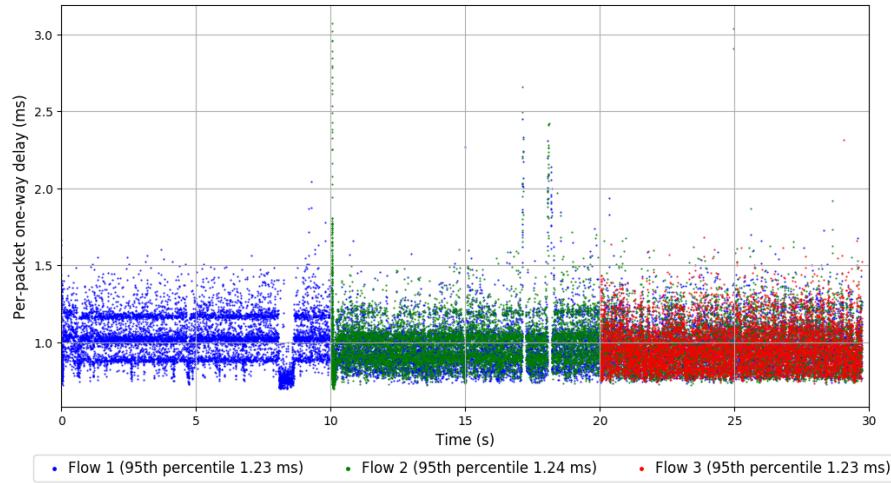
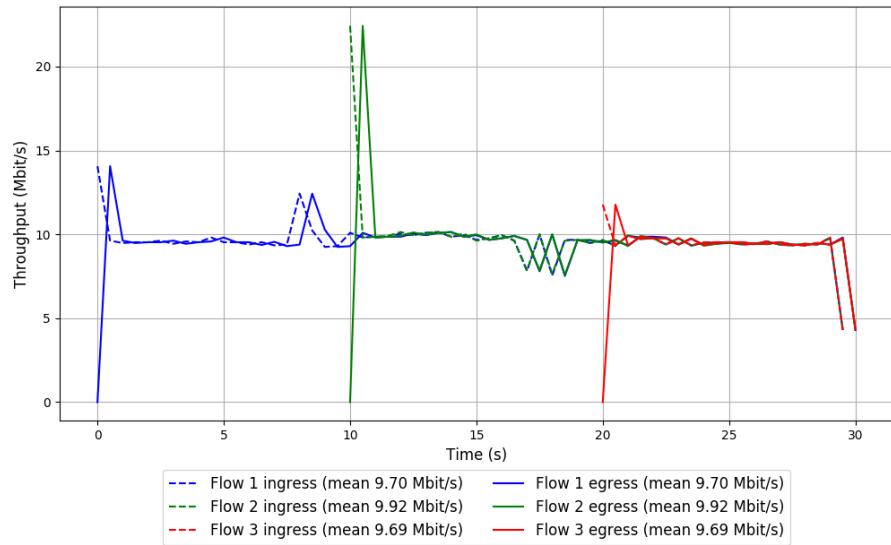


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 01:18:19
End at: 2019-08-27 01:18:50
Local clock offset: -0.472 ms
Remote clock offset: 3.714 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.43 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.00%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

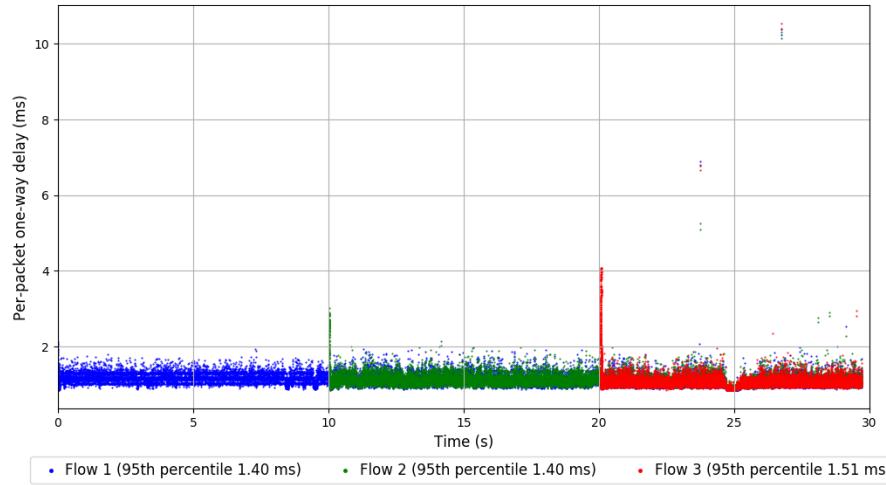
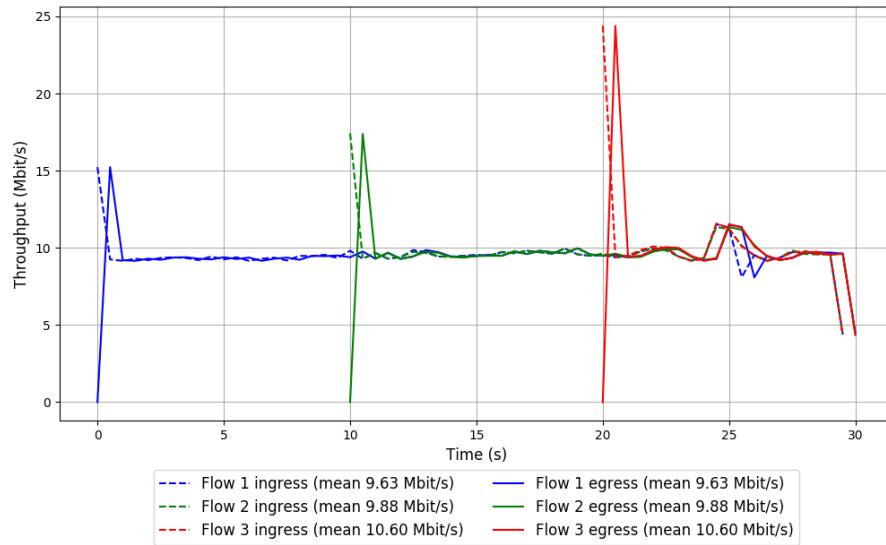


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 01:52:03
End at: 2019-08-27 01:52:33
Local clock offset: 0.307 ms
Remote clock offset: 4.348 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 1.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 1.402 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 1.402 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 1.509 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

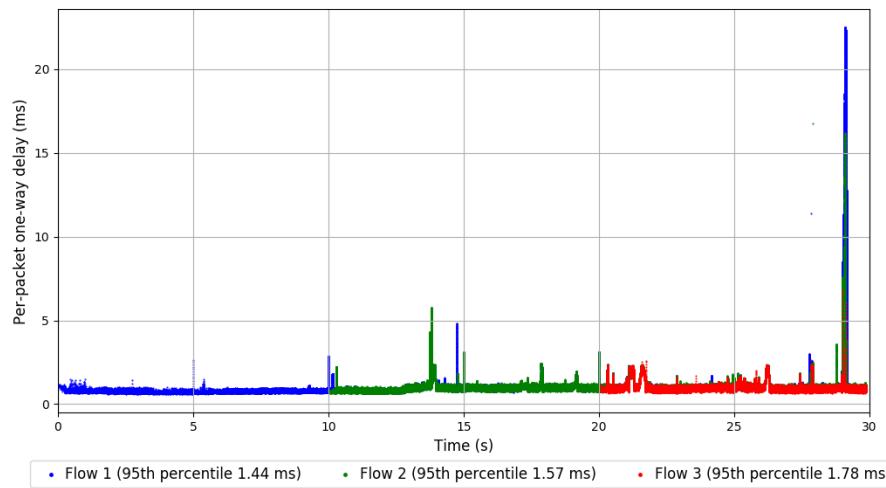
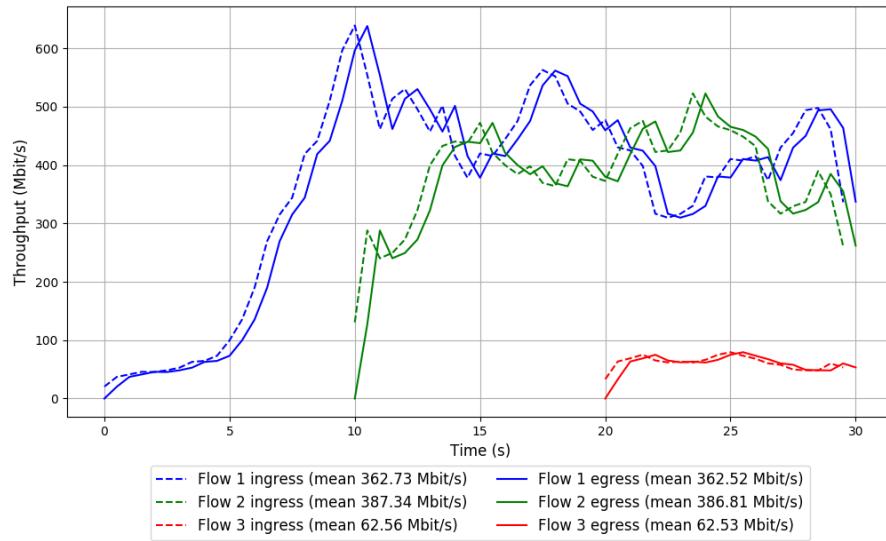


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 23:11:45
End at: 2019-08-26 23:12:15
Local clock offset: -0.132 ms
Remote clock offset: 1.711 ms

# Below is generated by plot.py at 2019-08-27 02:50:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.34 Mbit/s
95th percentile per-packet one-way delay: 1.504 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 362.52 Mbit/s
95th percentile per-packet one-way delay: 1.437 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 386.81 Mbit/s
95th percentile per-packet one-way delay: 1.569 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 1.779 ms
Loss rate: 0.15%
```

Run 1: Report of PCC-Allegro — Data Link

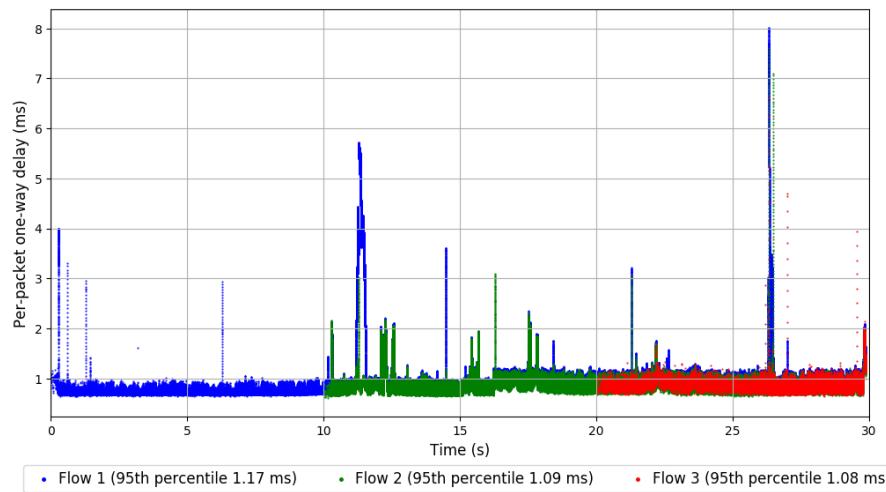
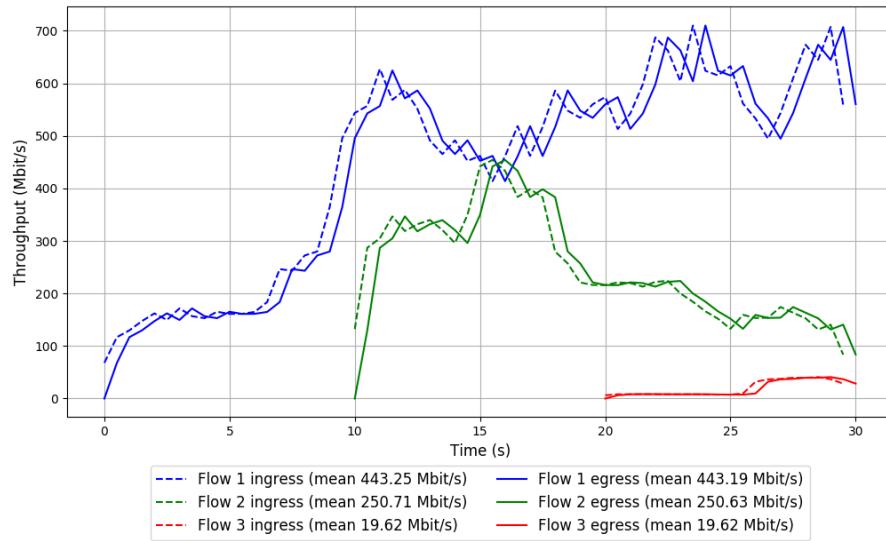


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-08-26 23:45:23
End at: 2019-08-26 23:45:53
Local clock offset: -0.289 ms
Remote clock offset: 3.52 ms

# Below is generated by plot.py at 2019-08-27 02:50:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 616.31 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 443.19 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 250.63 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Allegro — Data Link

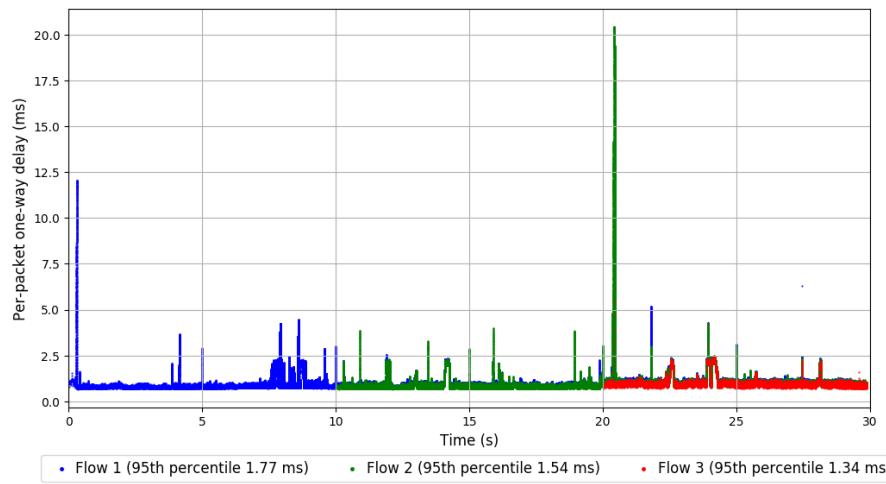
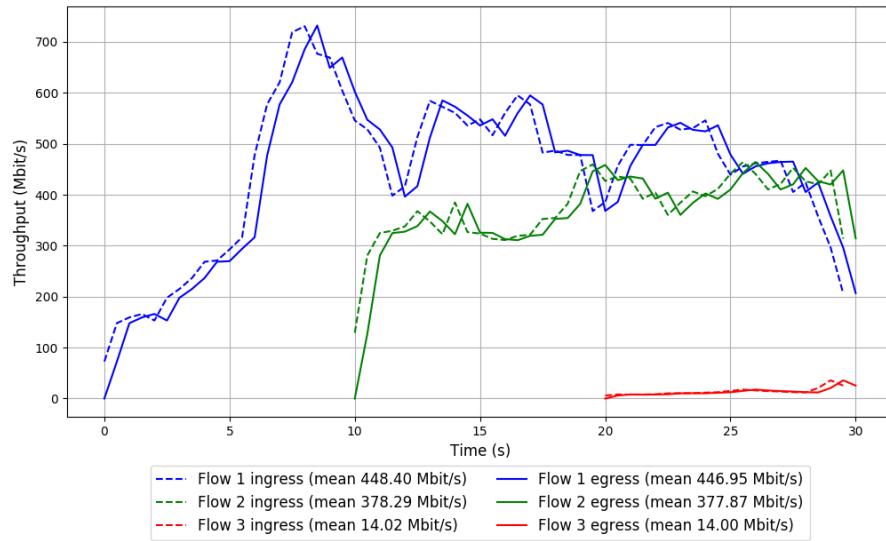


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-08-27 00:19:06
End at: 2019-08-27 00:19:36
Local clock offset: -0.476 ms
Remote clock offset: 1.572 ms

# Below is generated by plot.py at 2019-08-27 02:52:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 702.81 Mbit/s
95th percentile per-packet one-way delay: 1.690 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 446.95 Mbit/s
95th percentile per-packet one-way delay: 1.772 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 377.87 Mbit/s
95th percentile per-packet one-way delay: 1.544 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.15%
```

Run 3: Report of PCC-Allegro — Data Link

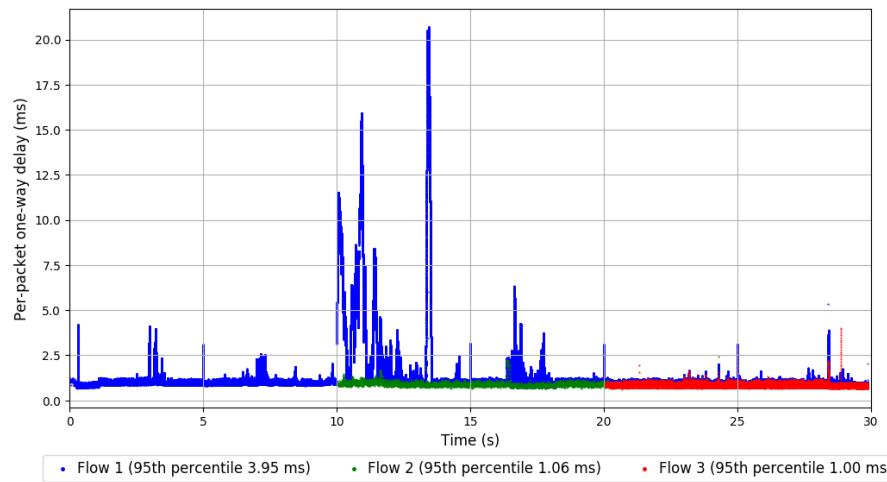
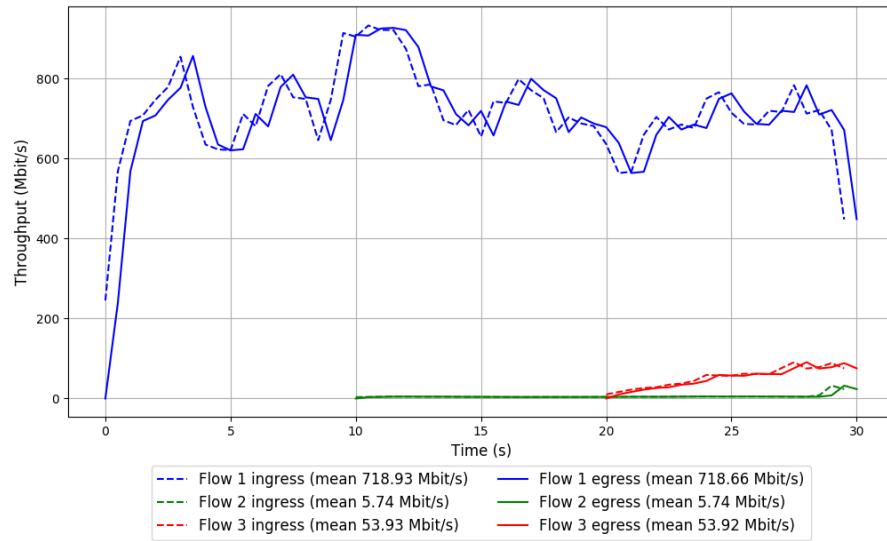


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-08-27 00:52:48
End at: 2019-08-27 00:53:18
Local clock offset: -0.649 ms
Remote clock offset: 3.196 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 740.21 Mbit/s
95th percentile per-packet one-way delay: 3.793 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 718.66 Mbit/s
95th percentile per-packet one-way delay: 3.949 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Allegro — Data Link

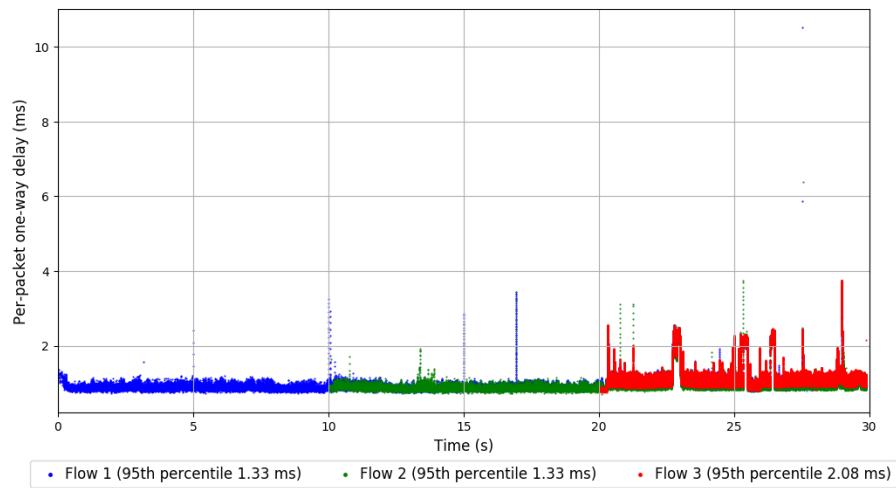
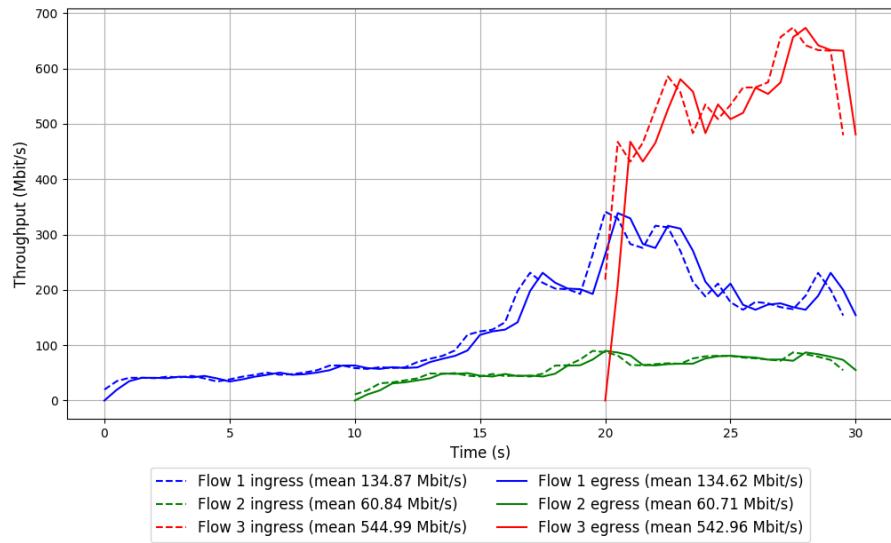


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-08-27 01:26:27
End at: 2019-08-27 01:26:57
Local clock offset: -0.312 ms
Remote clock offset: 4.1 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.05 Mbit/s
95th percentile per-packet one-way delay: 1.809 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 134.62 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 542.96 Mbit/s
95th percentile per-packet one-way delay: 2.083 ms
Loss rate: 0.36%
```

Run 5: Report of PCC-Allegro — Data Link

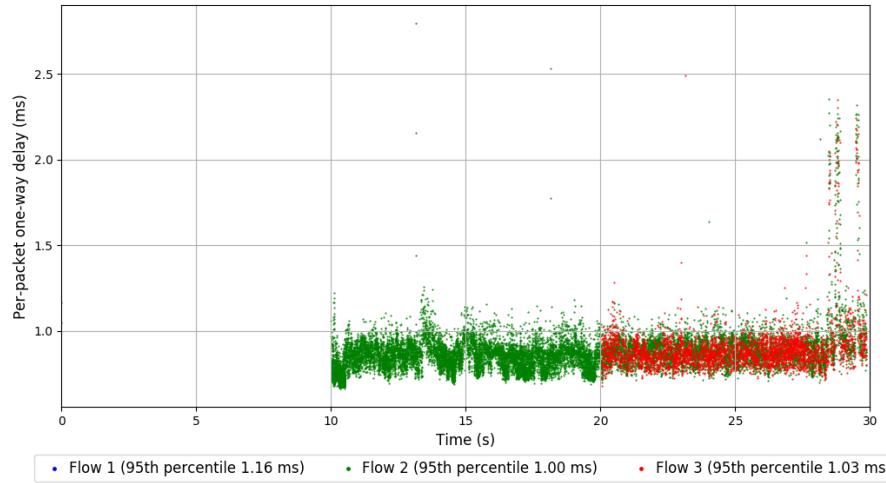
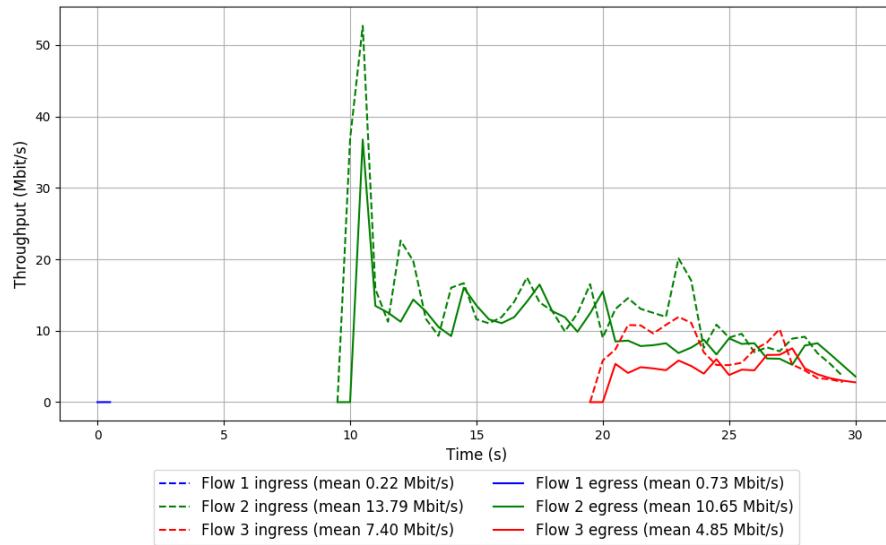


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-08-26 23:42:54
End at: 2019-08-26 23:43:24
Local clock offset: -0.259 ms
Remote clock offset: 3.45 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 25.22%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 22.77%
-- Flow 3:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 34.44%
```

Run 1: Report of PCC-Expr — Data Link

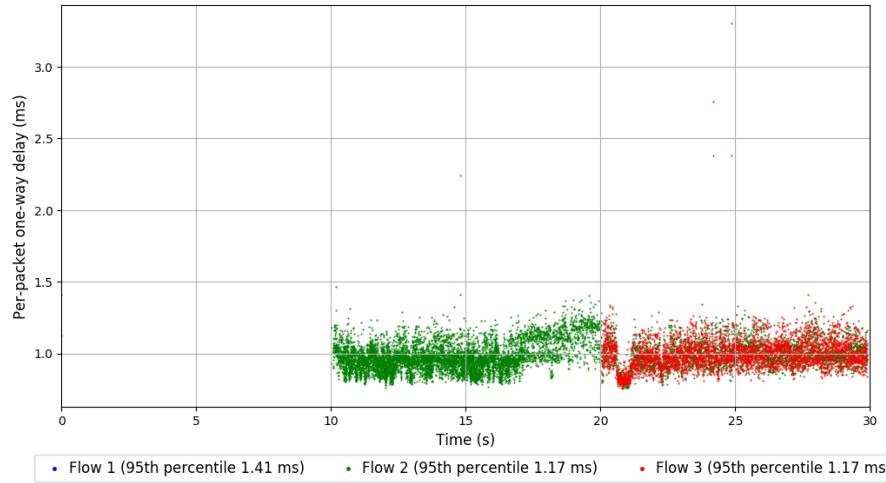
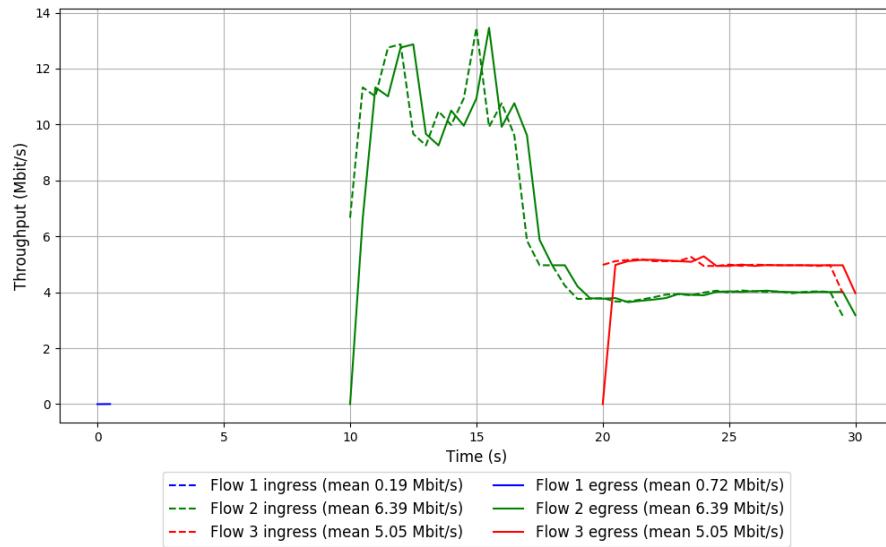


Run 2: Statistics of PCC-Expr

```
Start at: 2019-08-27 00:16:37
End at: 2019-08-27 00:17:07
Local clock offset: -0.473 ms
Remote clock offset: 1.569 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 1.410 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link

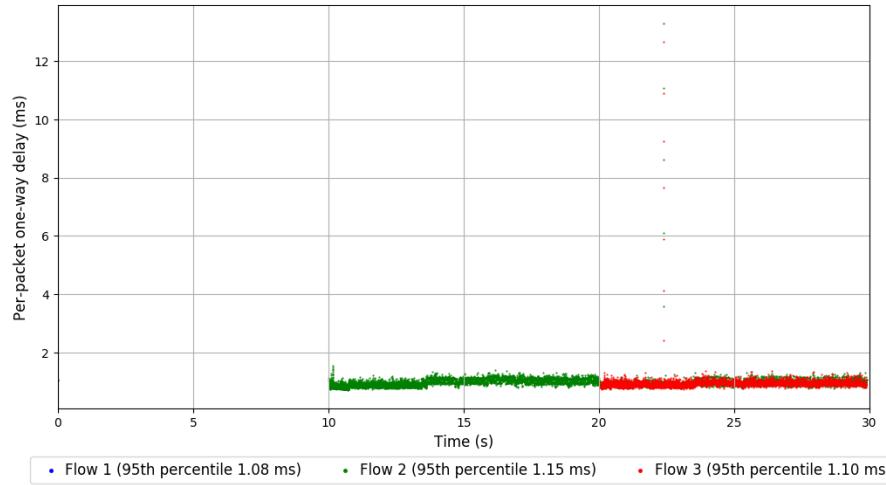
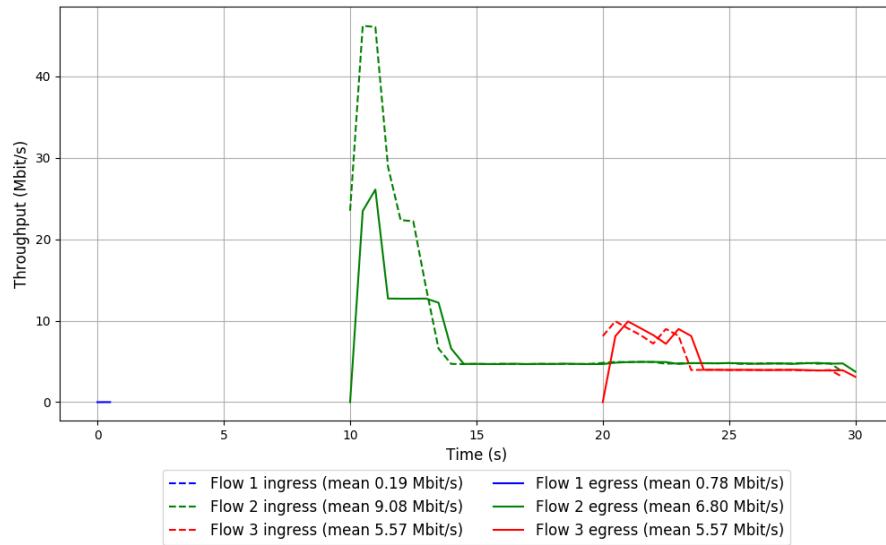


Run 3: Statistics of PCC-Expr

```
Start at: 2019-08-27 00:50:19
End at: 2019-08-27 00:50:49
Local clock offset: -0.647 ms
Remote clock offset: 3.119 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 19.27%
-- Flow 1:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 25.13%
-- Flow 3:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.02%
```

Run 3: Report of PCC-Expr — Data Link

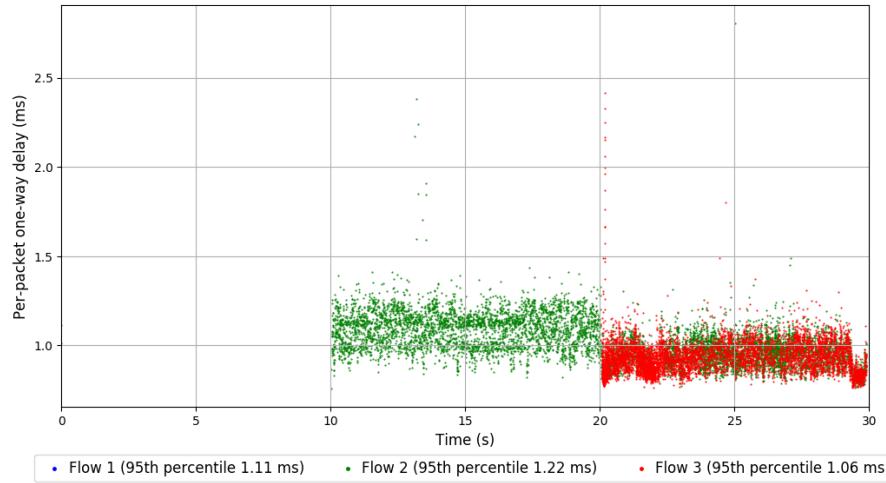
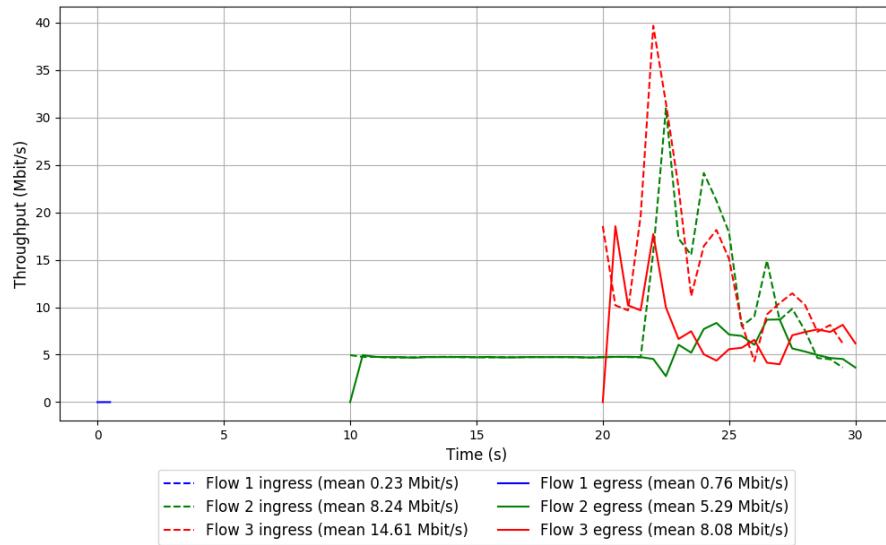


Run 4: Statistics of PCC-Expr

```
Start at: 2019-08-27 01:23:58
End at: 2019-08-27 01:24:28
Local clock offset: -0.361 ms
Remote clock offset: 3.948 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 39.99%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 35.82%
-- Flow 3:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 44.71%
```

Run 4: Report of PCC-Expr — Data Link

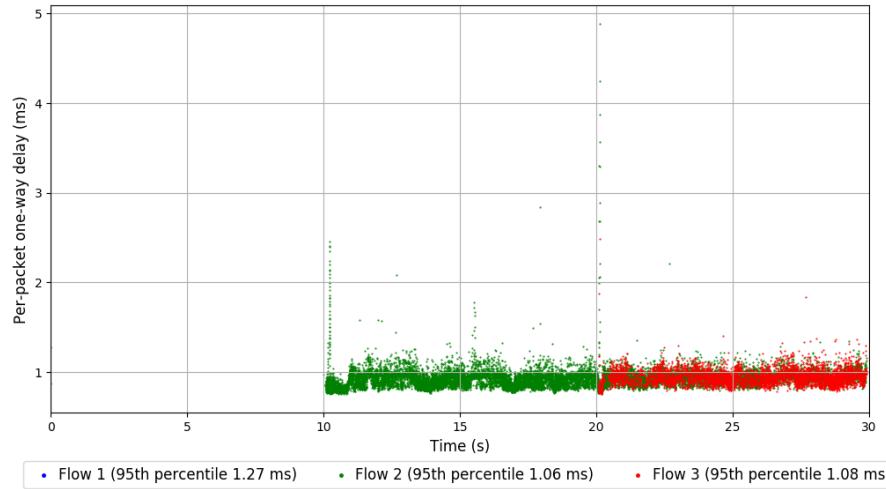
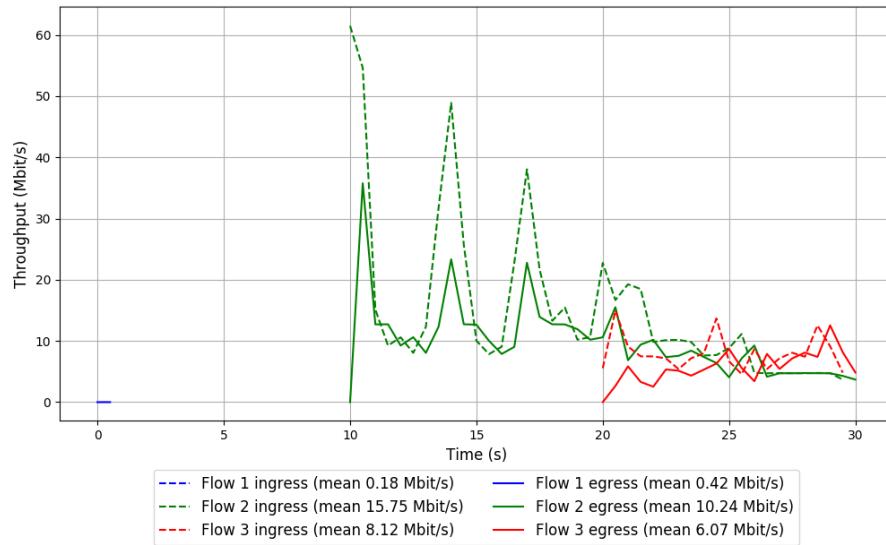


Run 5: Statistics of PCC-Expr

```
Start at: 2019-08-27 01:57:47
End at: 2019-08-27 01:58:17
Local clock offset: 0.427 ms
Remote clock offset: 4.283 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 32.99%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 34.98%
-- Flow 3:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 25.23%
```

Run 5: Report of PCC-Expr — Data Link

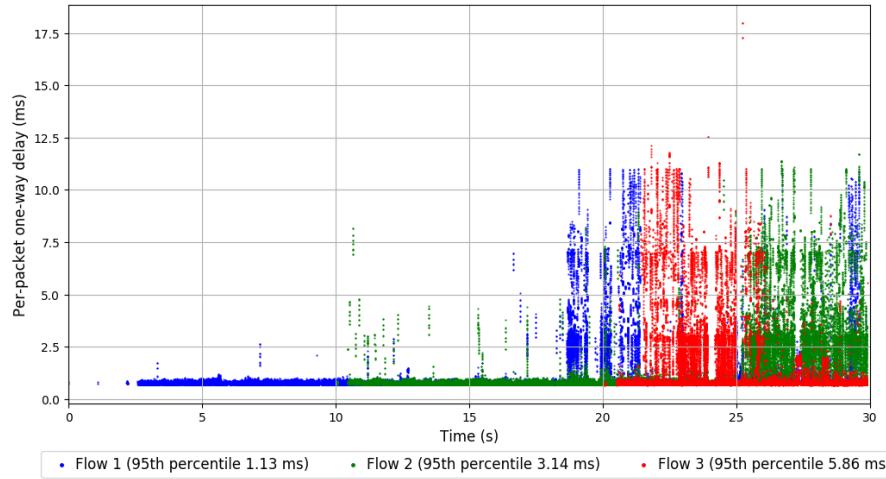
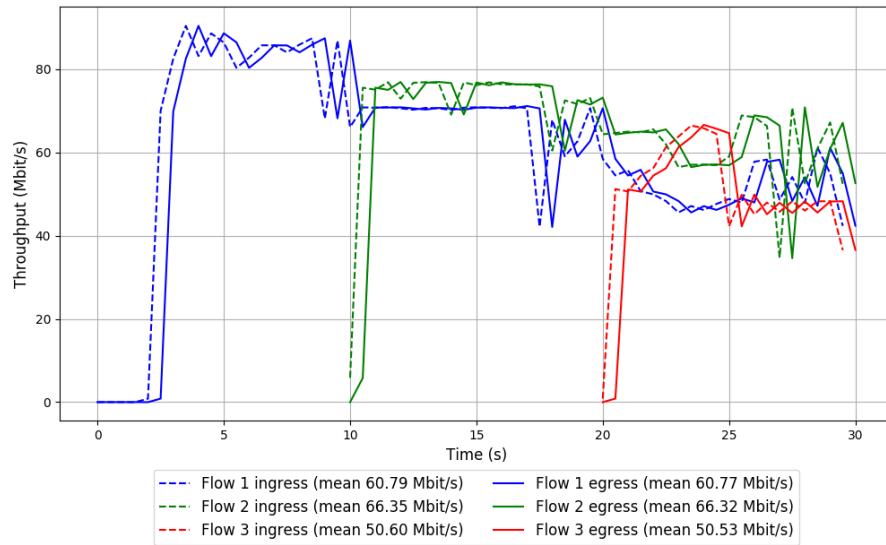


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 23:40:09
End at: 2019-08-26 23:40:39
Local clock offset: -0.256 ms
Remote clock offset: 3.35 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.41 Mbit/s
95th percentile per-packet one-way delay: 2.909 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 3.138 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 50.53 Mbit/s
95th percentile per-packet one-way delay: 5.859 ms
Loss rate: 0.09%
```

Run 1: Report of QUIC Cubic — Data Link

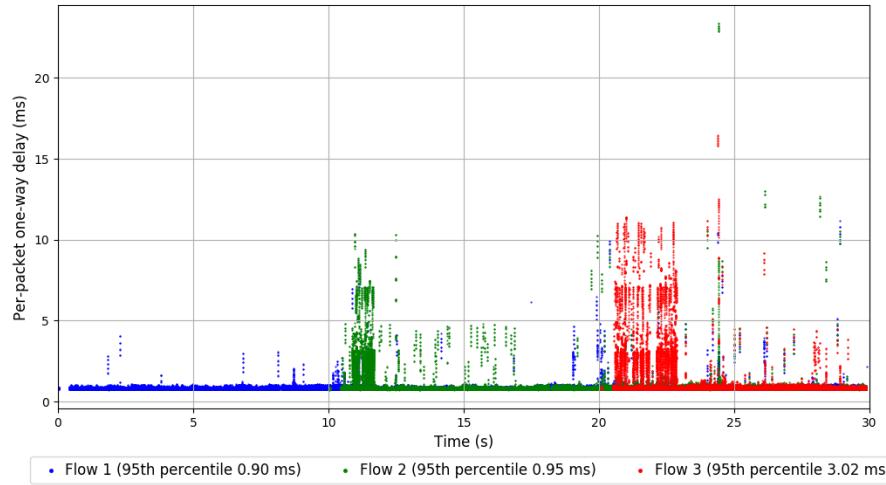
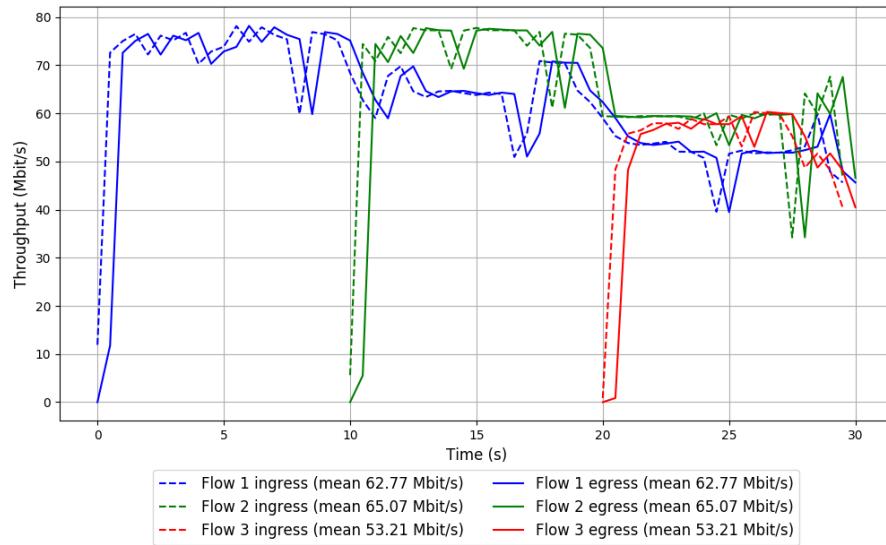


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-08-27 00:13:47
End at: 2019-08-27 00:14:17
Local clock offset: -0.492 ms
Remote clock offset: 1.61 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.47 Mbit/s
95th percentile per-packet one-way delay: 0.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.77 Mbit/s
95th percentile per-packet one-way delay: 0.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.07 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.21 Mbit/s
95th percentile per-packet one-way delay: 3.019 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

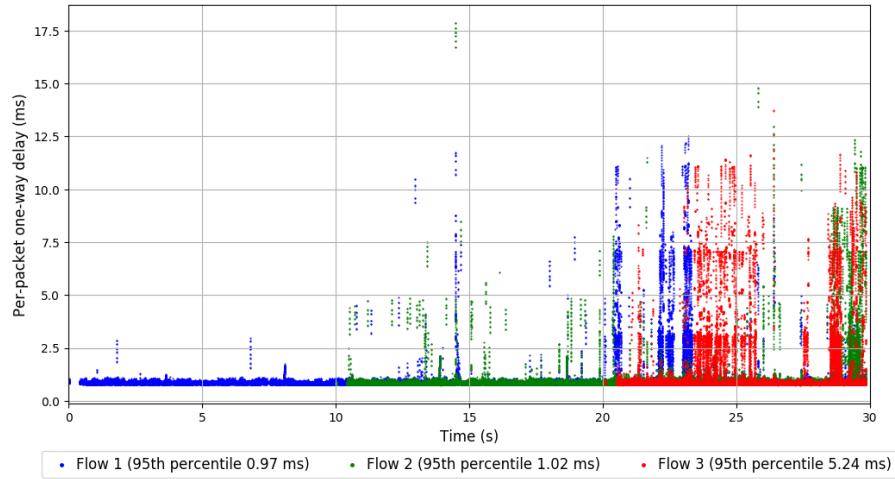
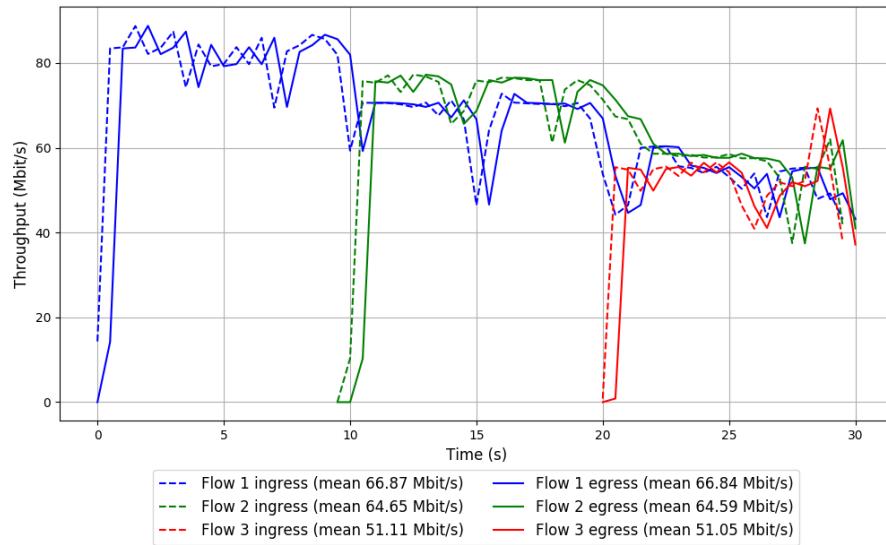


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-08-27 00:47:32
End at: 2019-08-27 00:48:02
Local clock offset: -0.646 ms
Remote clock offset: 3.069 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.54 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 64.59 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 51.05 Mbit/s
95th percentile per-packet one-way delay: 5.235 ms
Loss rate: 0.09%
```

Run 3: Report of QUIC Cubic — Data Link

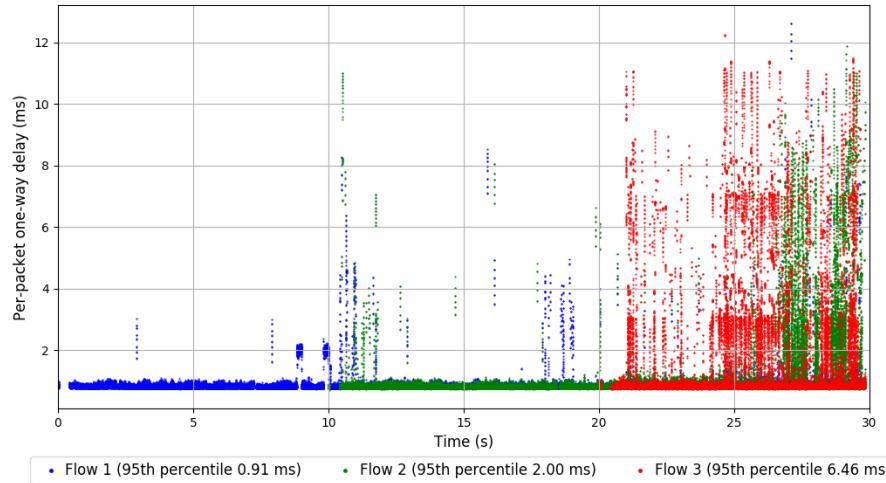
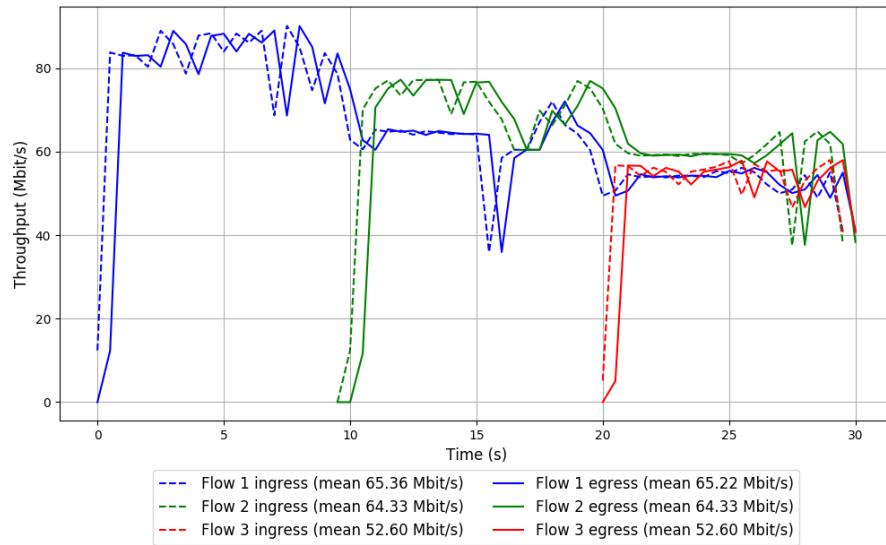


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-08-27 01:21:12
End at: 2019-08-27 01:21:42
Local clock offset: -0.422 ms
Remote clock offset: 3.83 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.29 Mbit/s
95th percentile per-packet one-way delay: 1.859 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 0.908 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 64.33 Mbit/s
95th percentile per-packet one-way delay: 1.996 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.60 Mbit/s
95th percentile per-packet one-way delay: 6.461 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

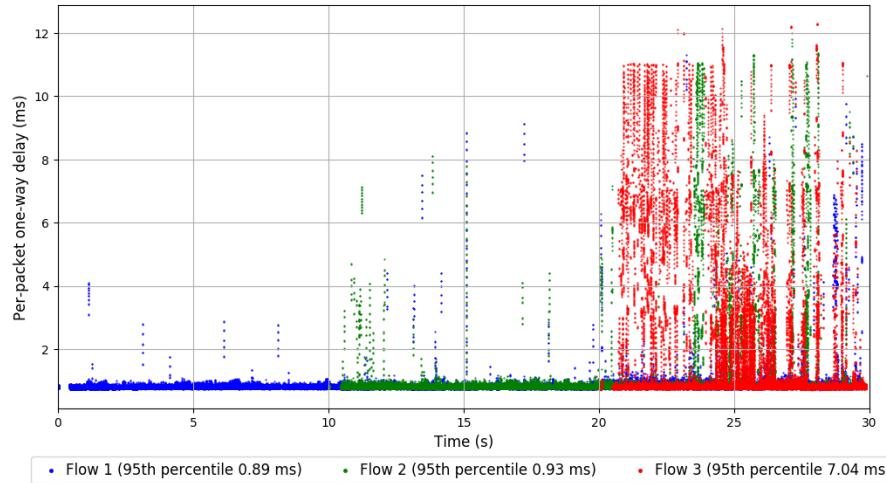
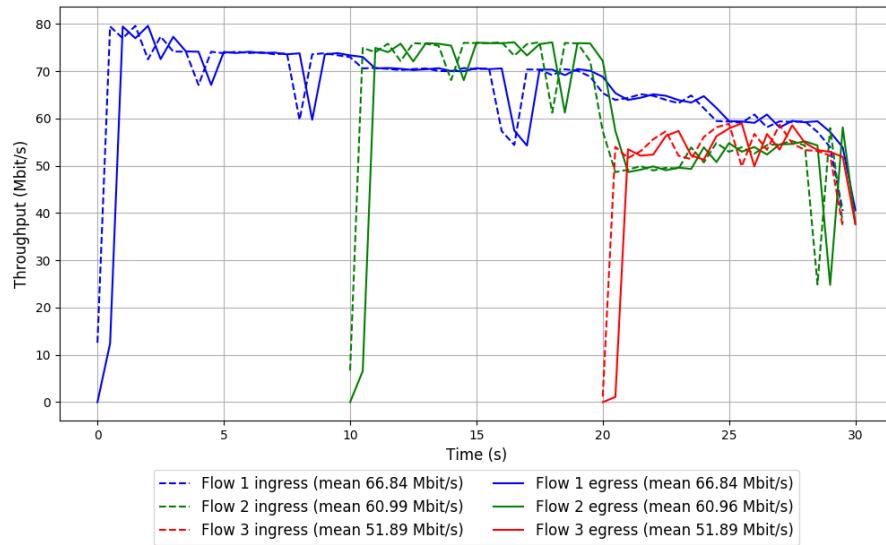


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-08-27 01:54:59
End at: 2019-08-27 01:55:29
Local clock offset: 0.382 ms
Remote clock offset: 4.234 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.40 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 0.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 0.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.89 Mbit/s
95th percentile per-packet one-way delay: 7.036 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

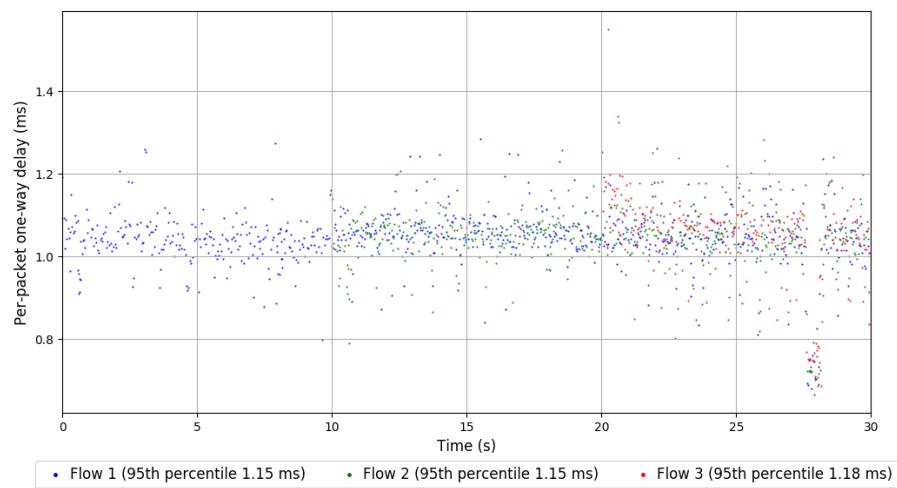
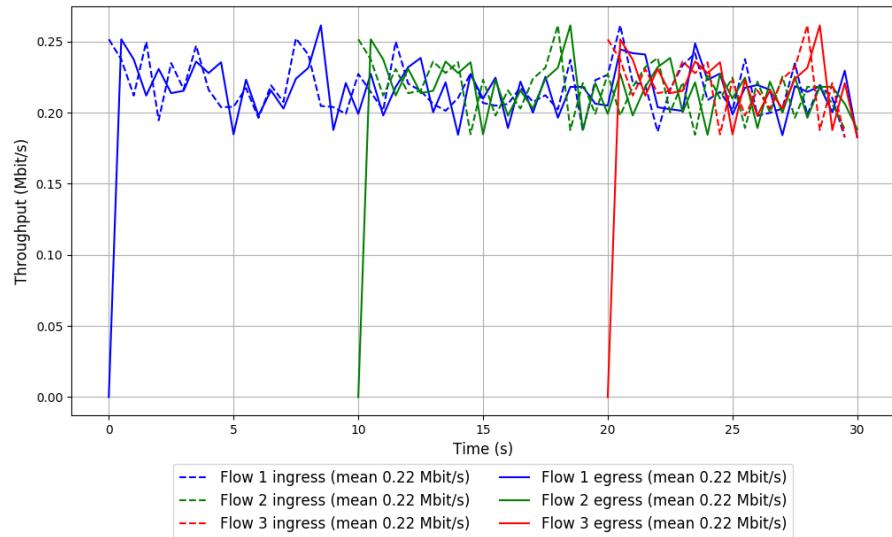


Run 1: Statistics of SCReAM

```
Start at: 2019-08-26 23:10:30
End at: 2019-08-26 23:11:00
Local clock offset: -0.13 ms
Remote clock offset: 1.666 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

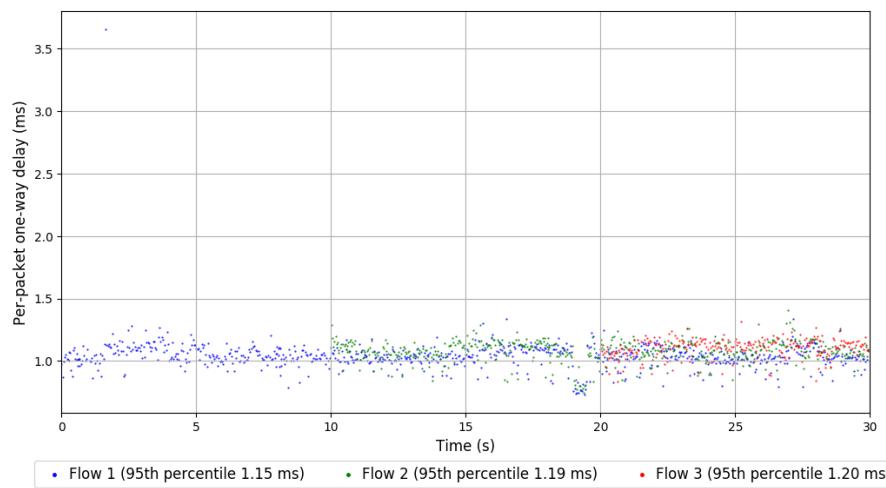
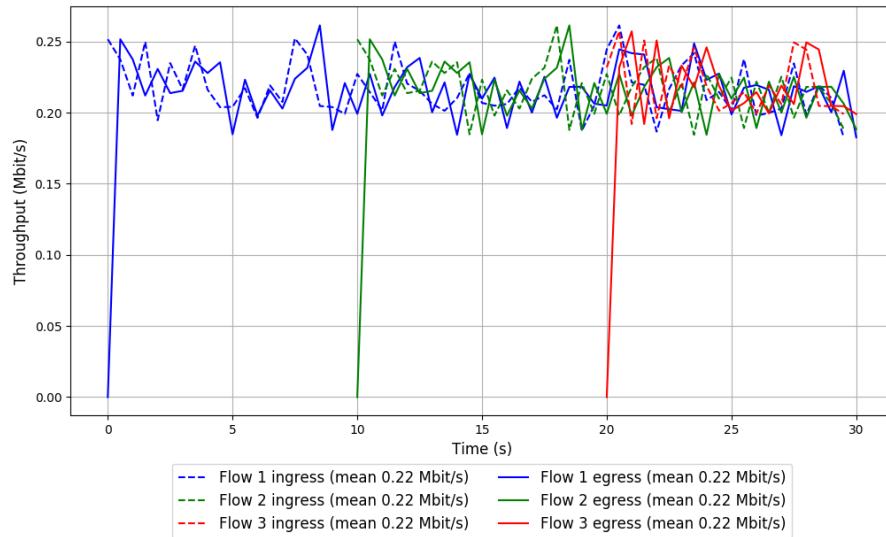


Run 2: Statistics of SCReAM

```
Start at: 2019-08-26 23:44:09
End at: 2019-08-26 23:44:39
Local clock offset: -0.301 ms
Remote clock offset: 3.487 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

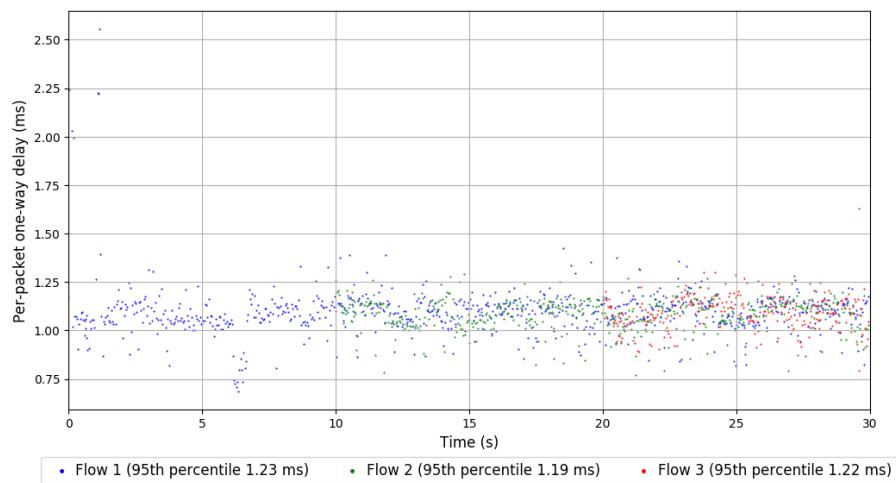
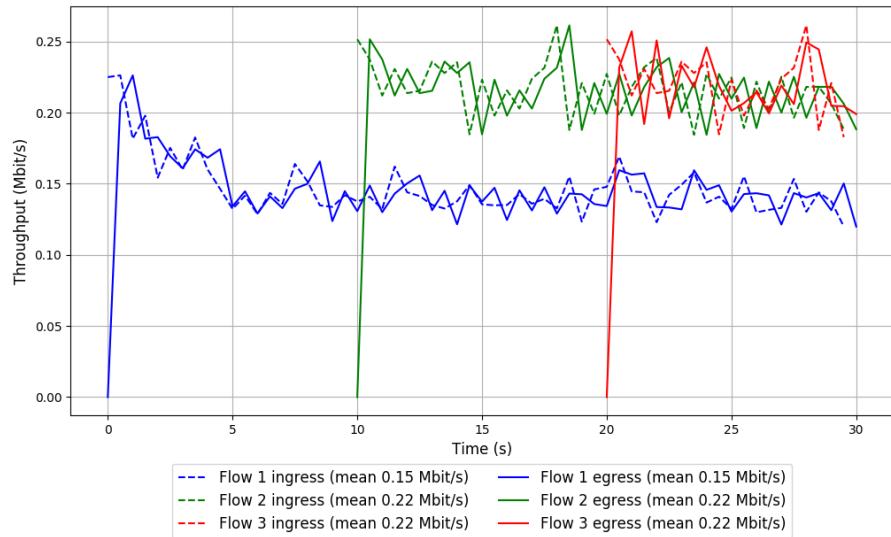


Run 3: Statistics of SCReAM

```
Start at: 2019-08-27 00:17:52
End at: 2019-08-27 00:18:22
Local clock offset: -0.474 ms
Remote clock offset: 1.553 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

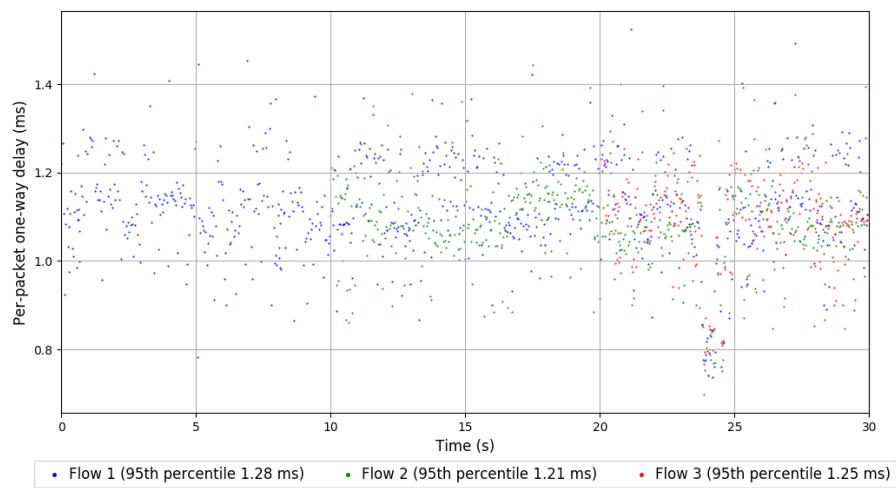
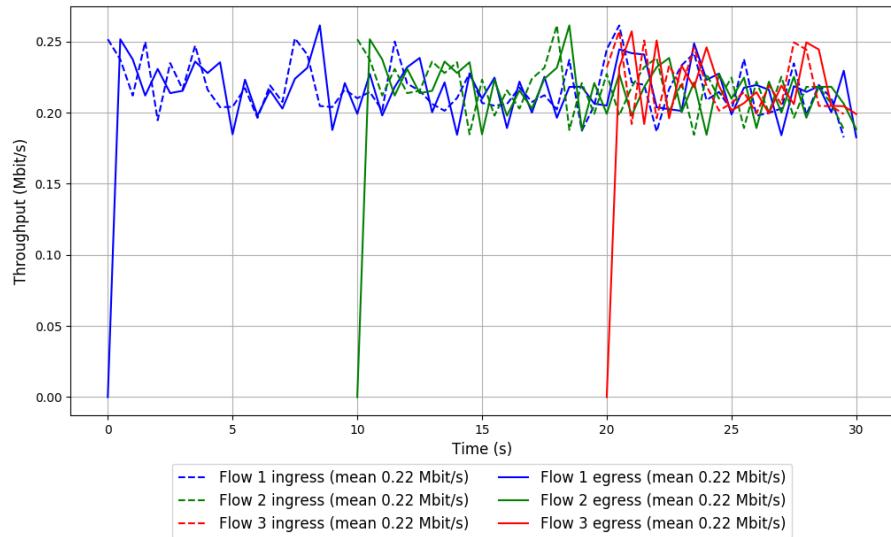


Run 4: Statistics of SCReAM

```
Start at: 2019-08-27 00:51:34
End at: 2019-08-27 00:52:04
Local clock offset: -0.635 ms
Remote clock offset: 3.178 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

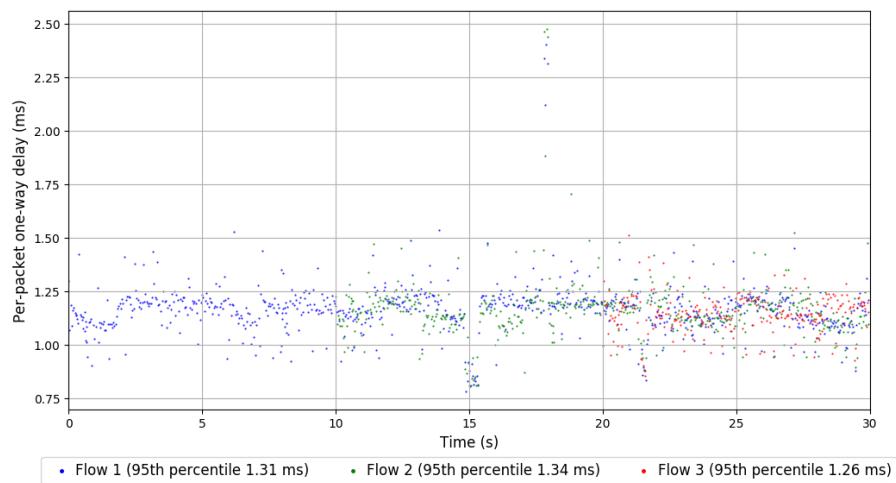
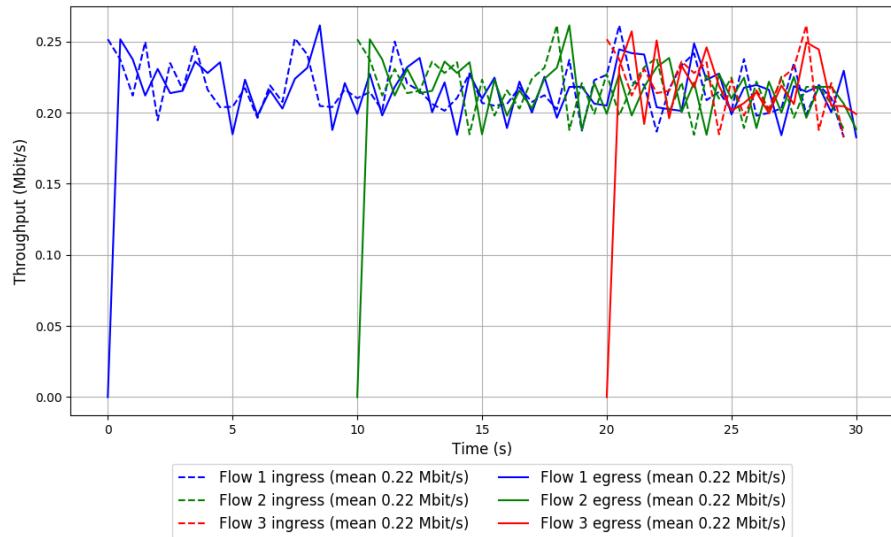


```
Run 5: Statistics of SCReAM

Start at: 2019-08-27 01:25:13
End at: 2019-08-27 01:25:43
Local clock offset: -0.286 ms
Remote clock offset: 4.057 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

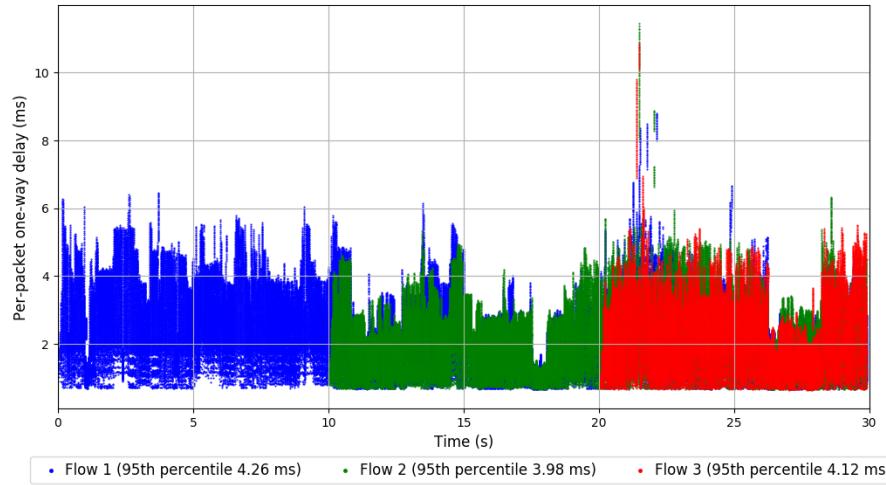
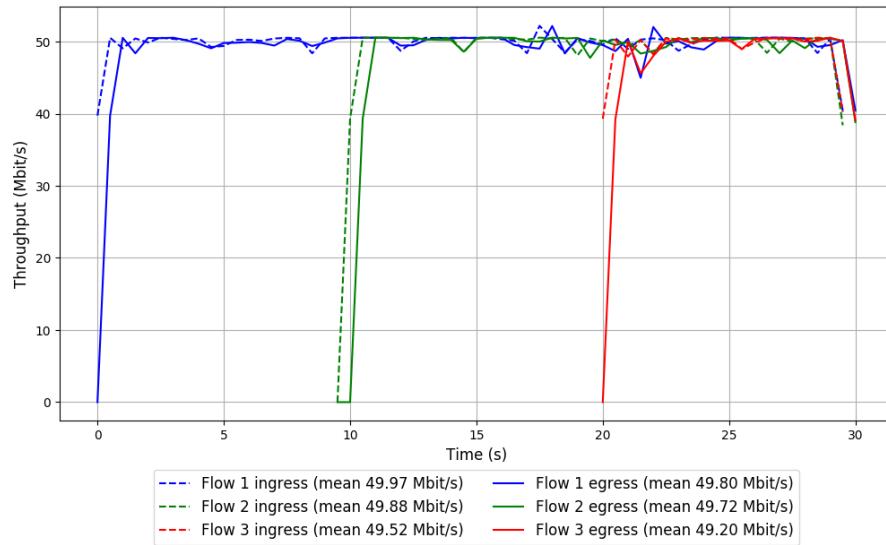


Run 1: Statistics of Sprout

```
Start at: 2019-08-26 23:21:40
End at: 2019-08-26 23:22:10
Local clock offset: -0.158 ms
Remote clock offset: 2.242 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.15 Mbit/s
95th percentile per-packet one-way delay: 4.142 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 4.257 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 3.983 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 4.116 ms
Loss rate: 0.60%
```

Run 1: Report of Sprout — Data Link

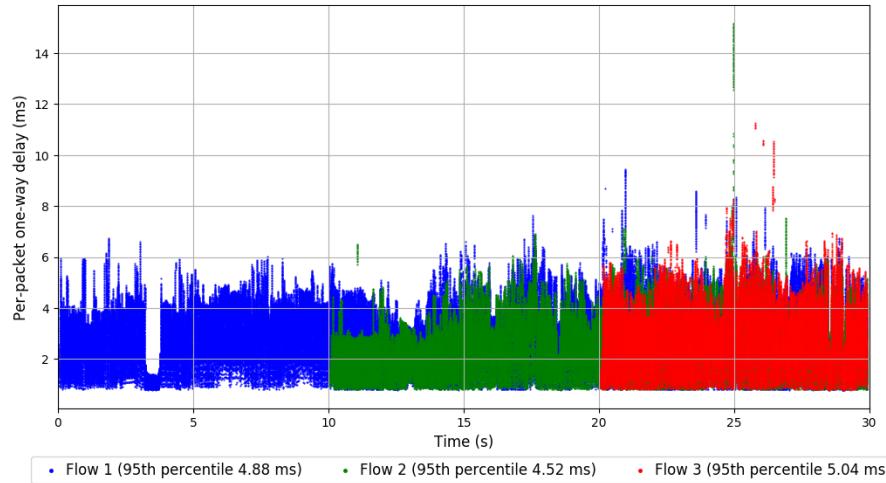
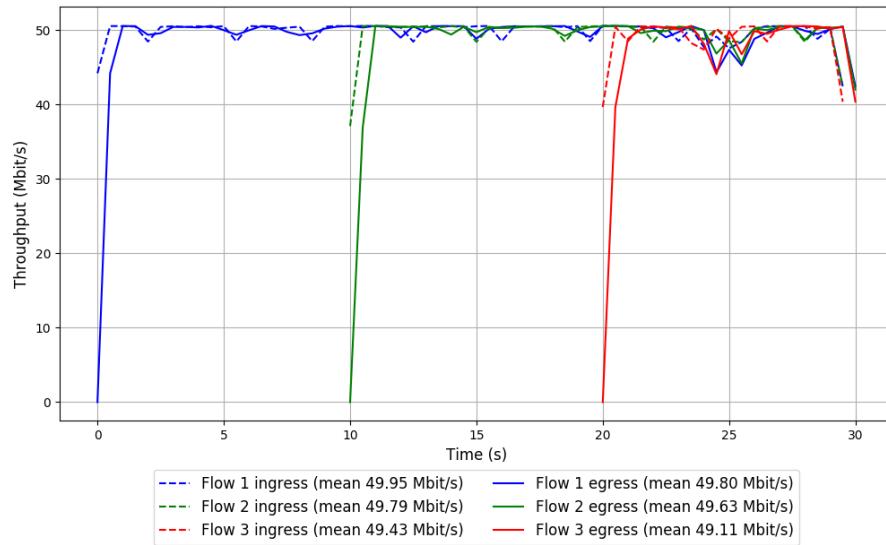


Run 2: Statistics of Sprout

```
Start at: 2019-08-26 23:55:25
End at: 2019-08-26 23:55:55
Local clock offset: -0.389 ms
Remote clock offset: 3.91 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.05 Mbit/s
95th percentile per-packet one-way delay: 4.807 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 4.877 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 49.63 Mbit/s
95th percentile per-packet one-way delay: 4.524 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 5.044 ms
Loss rate: 0.62%
```

Run 2: Report of Sprout — Data Link

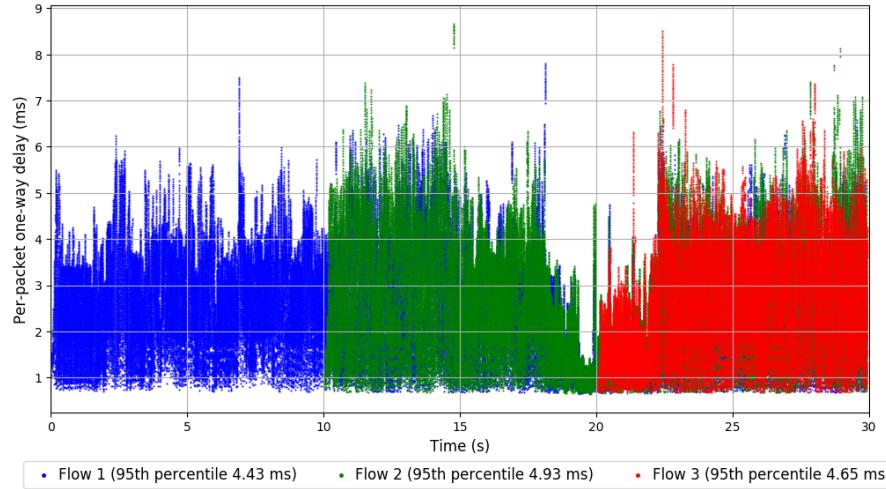
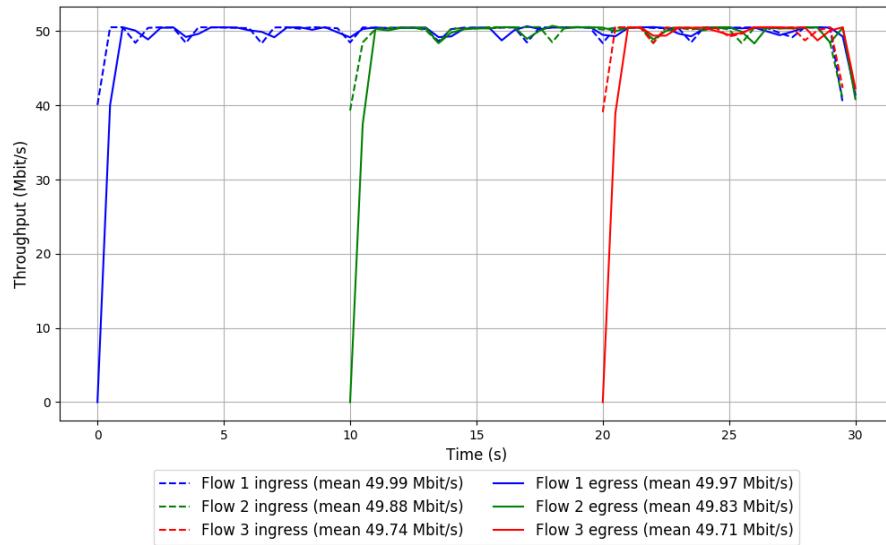


Run 3: Statistics of Sprout

```
Start at: 2019-08-27 00:29:08
End at: 2019-08-27 00:29:38
Local clock offset: -0.559 ms
Remote clock offset: 1.756 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 4.668 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 4.426 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 4.932 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 4.648 ms
Loss rate: 0.03%
```

Run 3: Report of Sprout — Data Link

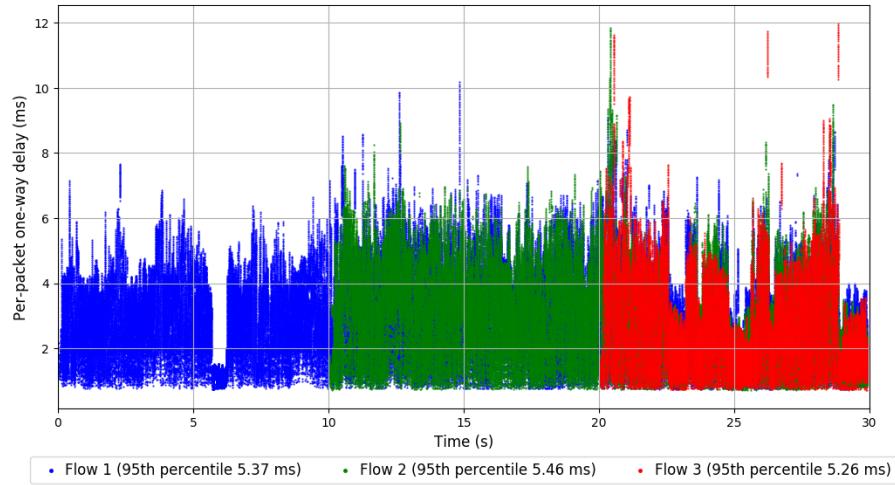
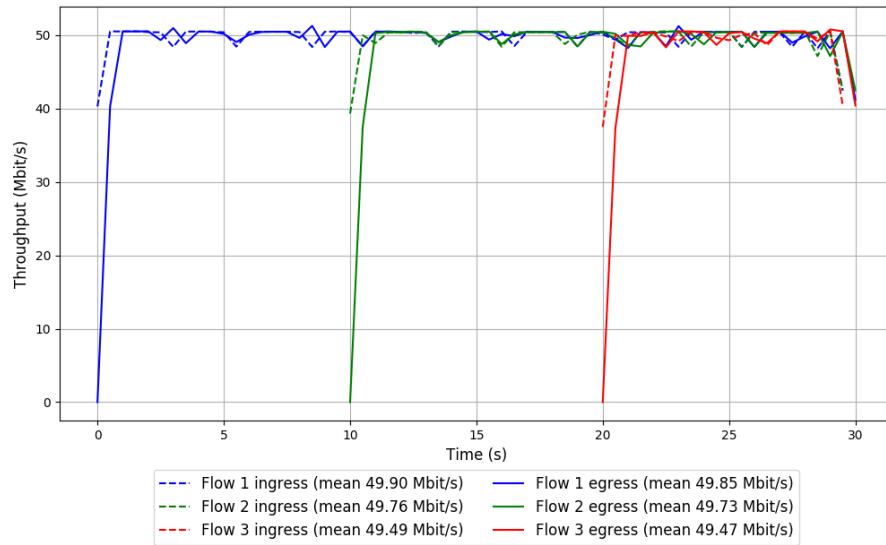


Run 4: Statistics of Sprout

```
Start at: 2019-08-27 01:02:52
End at: 2019-08-27 01:03:22
Local clock offset: -0.607 ms
Remote clock offset: 3.63 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.27 Mbit/s
95th percentile per-packet one-way delay: 5.389 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 5.372 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 5.455 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 5.261 ms
Loss rate: 0.02%
```

Run 4: Report of Sprout — Data Link

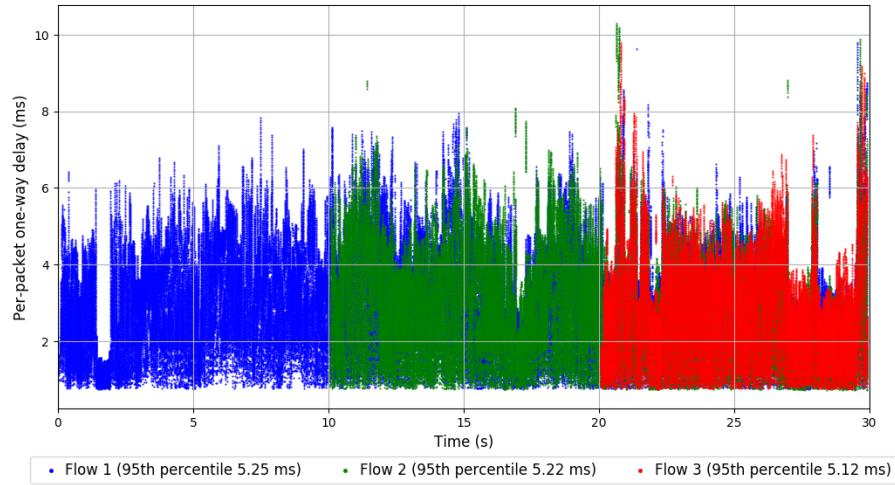
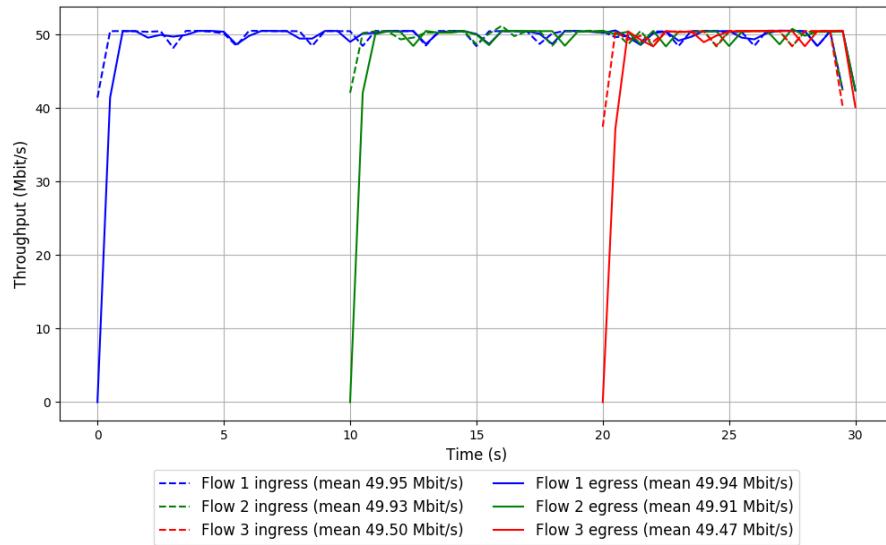


Run 5: Statistics of Sprout

```
Start at: 2019-08-27 01:36:26
End at: 2019-08-27 01:36:56
Local clock offset: -0.054 ms
Remote clock offset: 4.58 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.51 Mbit/s
95th percentile per-packet one-way delay: 5.220 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 5.249 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 5.218 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 5.117 ms
Loss rate: 0.03%
```

Run 5: Report of Sprout — Data Link

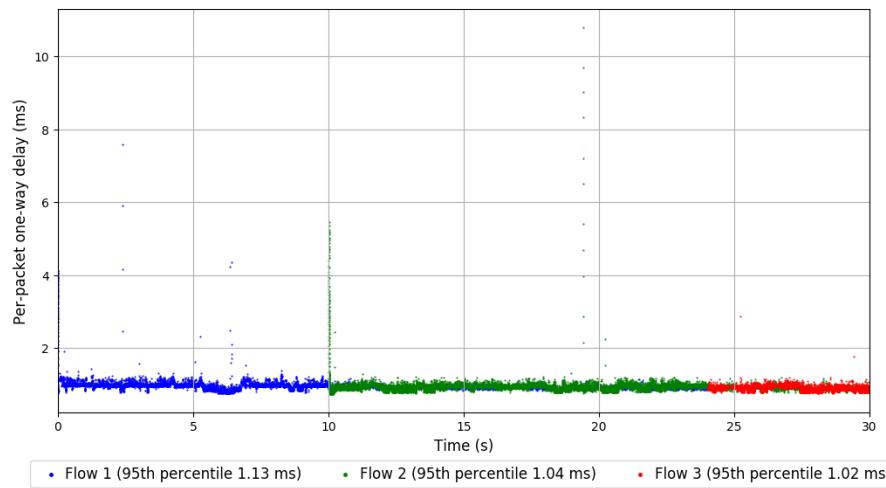
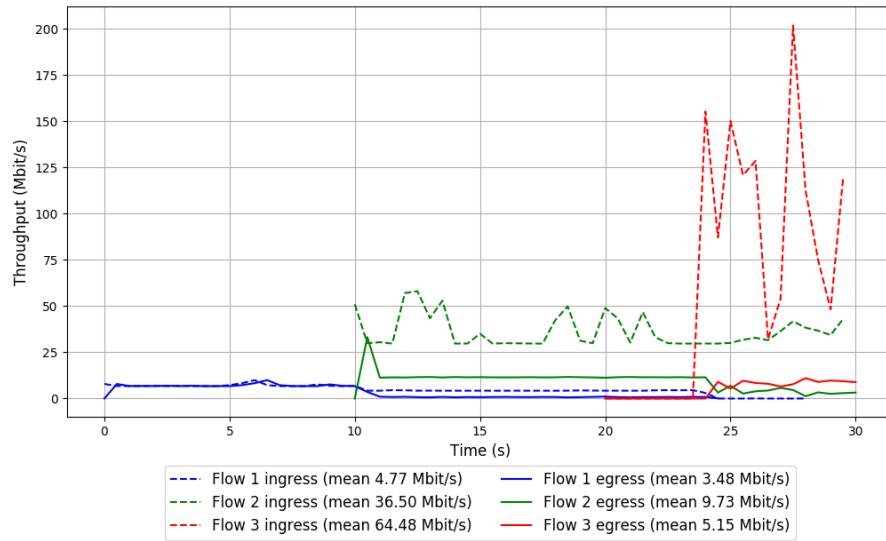


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-08-26 23:17:22
End at: 2019-08-26 23:17:52
Local clock offset: -0.136 ms
Remote clock offset: 2.07 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 78.09%
-- Flow 1:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 37.33%
-- Flow 2:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 73.35%
-- Flow 3:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 92.01%
```

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

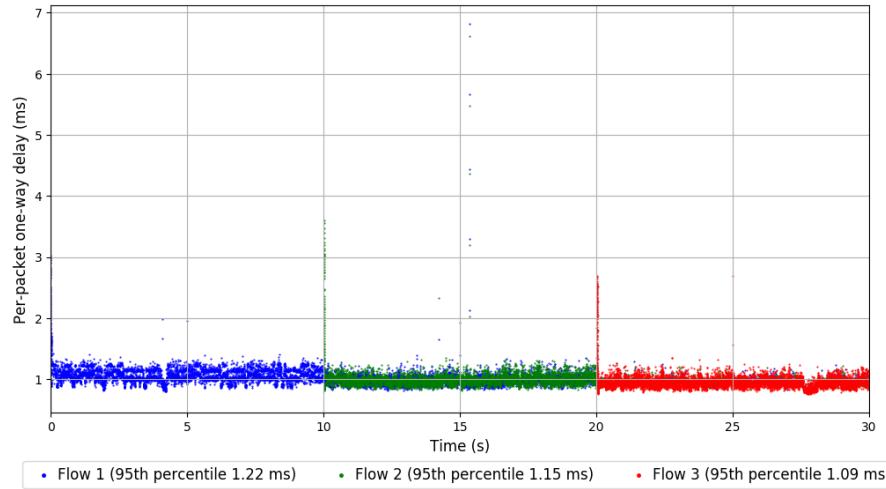
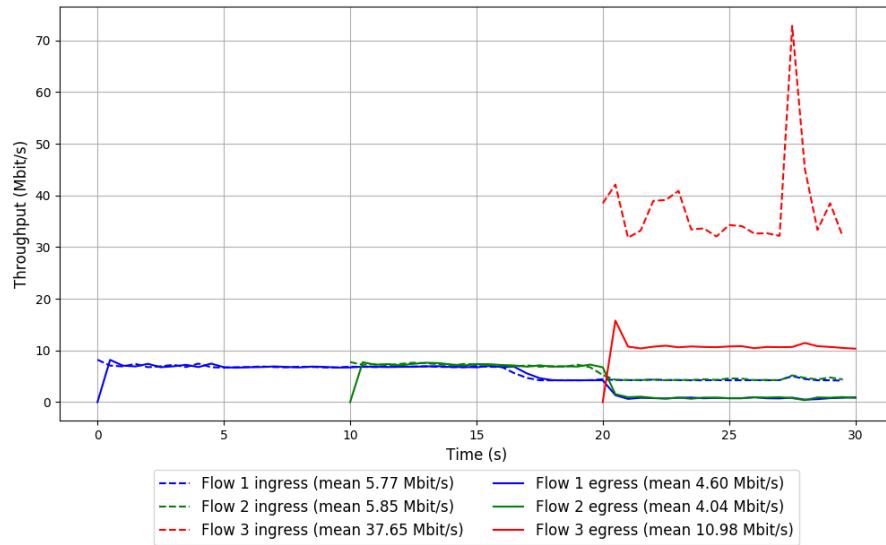


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-08-26 23:51:00
End at: 2019-08-26 23:51:30
Local clock offset: -0.354 ms
Remote clock offset: 3.759 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 50.69%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 20.32%
-- Flow 2:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 30.89%
-- Flow 3:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 70.83%
```

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

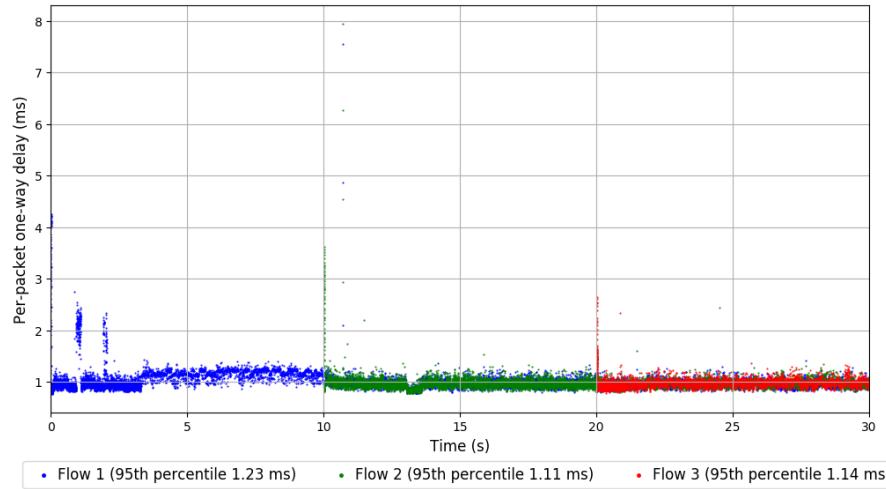
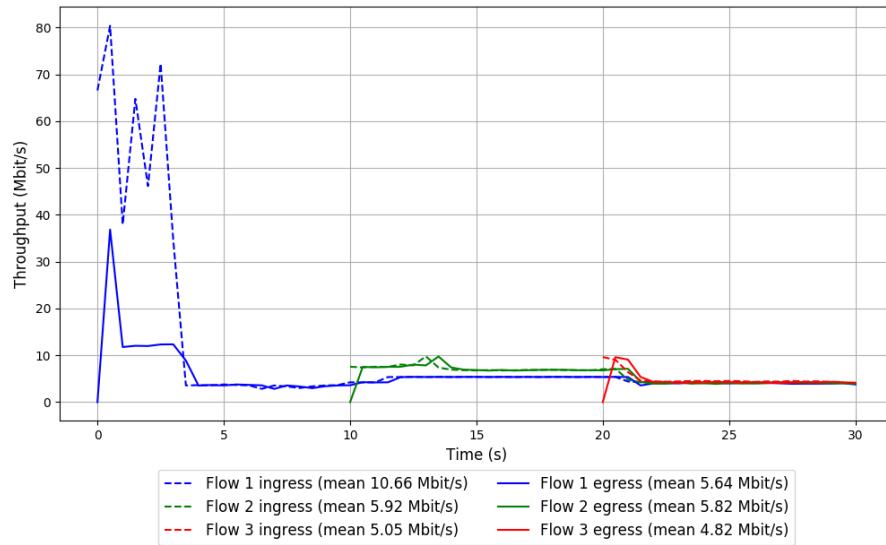


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-08-27 00:24:45
End at: 2019-08-27 00:25:15
Local clock offset: -0.533 ms
Remote clock offset: 1.734 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 31.71%
-- Flow 1:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 47.09%
-- Flow 2:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 4.62%
```

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

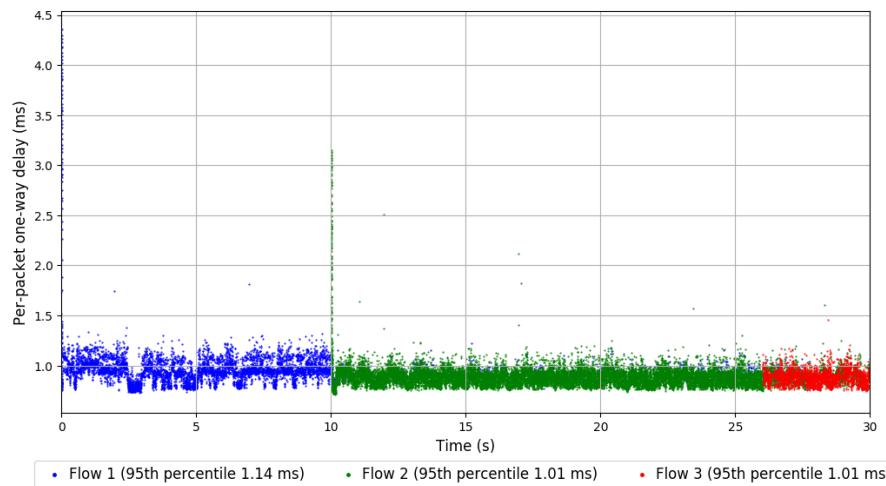
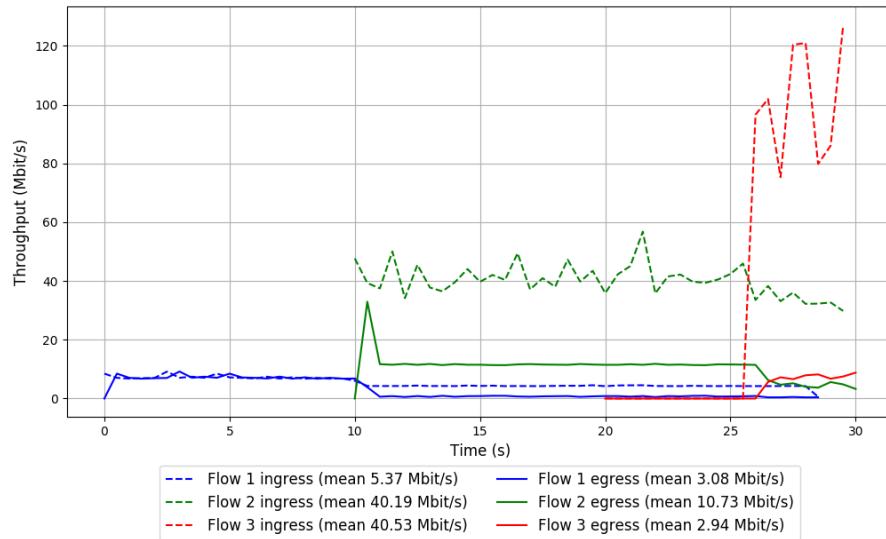


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-08-27 00:58:25
End at: 2019-08-27 00:58:55
Local clock offset: -0.619 ms
Remote clock offset: 3.437 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 75.65%
-- Flow 1:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 42.98%
-- Flow 2:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 73.30%
-- Flow 3:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 1.010 ms
Loss rate: 92.75%
```

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

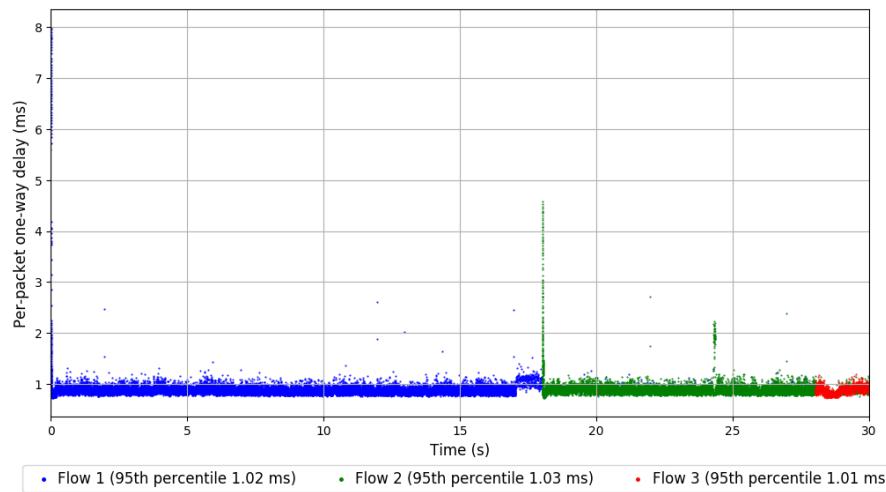
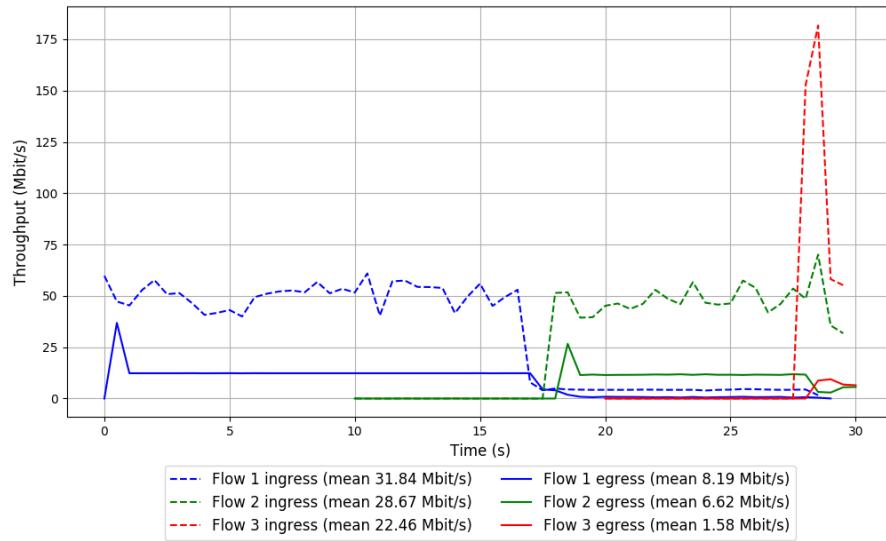


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-08-27 01:31:59
End at: 2019-08-27 01:32:29
Local clock offset: -0.137 ms
Remote clock offset: 4.34 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 77.66%
-- Flow 1:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 74.38%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 76.90%
-- Flow 3:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 92.99%
```

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

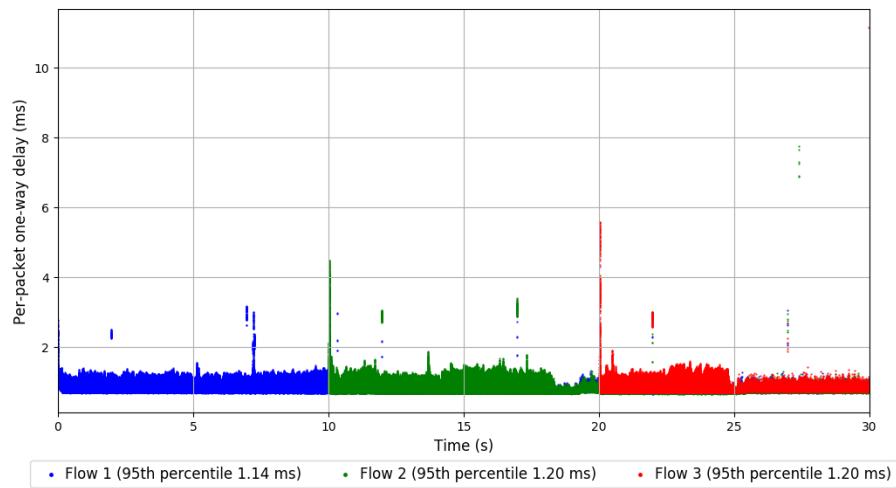
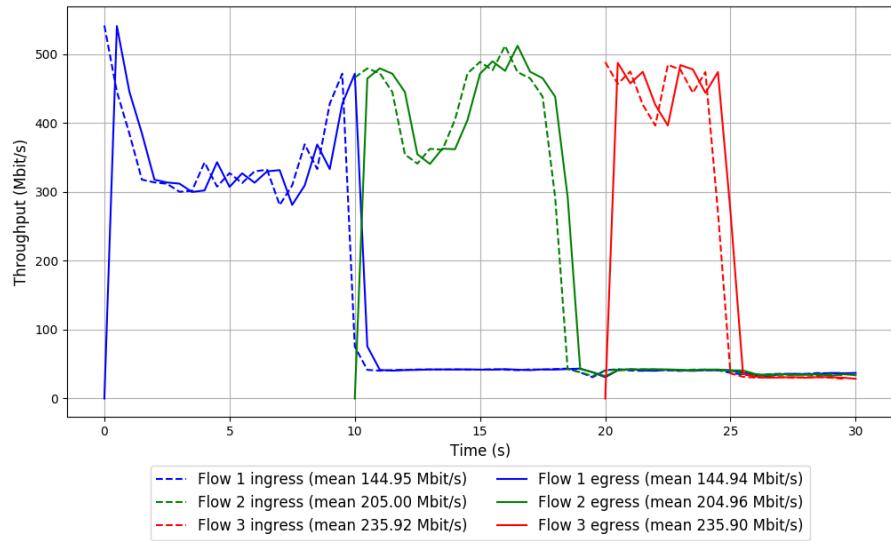


Run 1: Statistics of TCP Vegas

```
Start at: 2019-08-26 23:29:57
End at: 2019-08-26 23:30:27
Local clock offset: -0.197 ms
Remote clock offset: 2.824 ms

# Below is generated by plot.py at 2019-08-27 02:55:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.99 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 144.94 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 204.96 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 235.90 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Vegas — Data Link

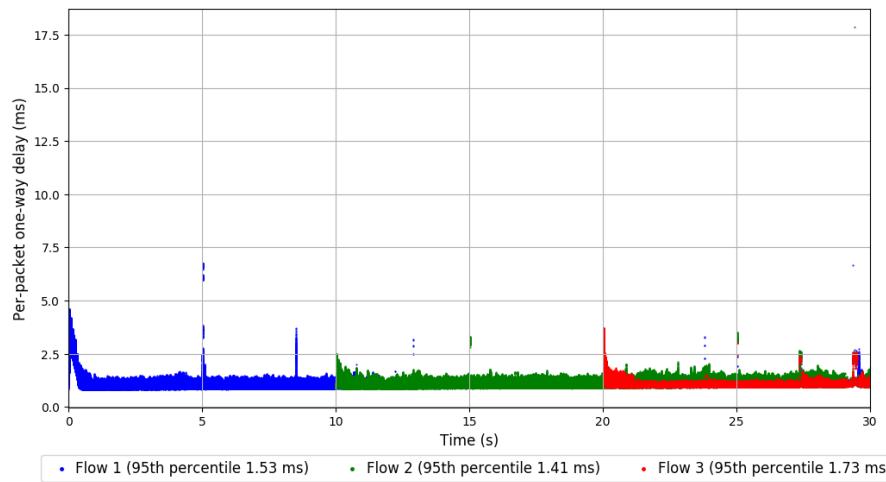
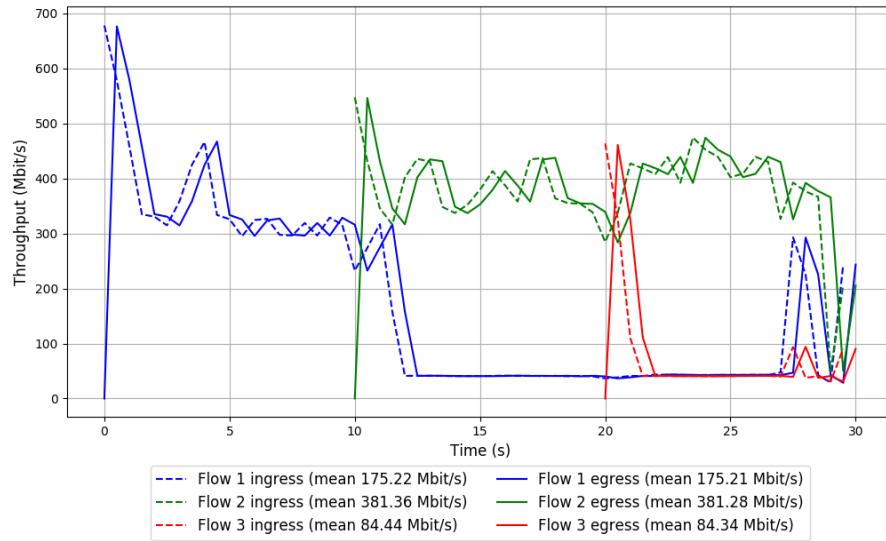


Run 2: Statistics of TCP Vegas

```
Start at: 2019-08-27 00:03:36
End at: 2019-08-27 00:04:06
Local clock offset: -0.455 ms
Remote clock offset: 3.243 ms

# Below is generated by plot.py at 2019-08-27 02:57:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.27 Mbit/s
95th percentile per-packet one-way delay: 1.443 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 175.21 Mbit/s
95th percentile per-packet one-way delay: 1.532 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 381.28 Mbit/s
95th percentile per-packet one-way delay: 1.414 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 1.731 ms
Loss rate: 0.11%
```

Run 2: Report of TCP Vegas — Data Link

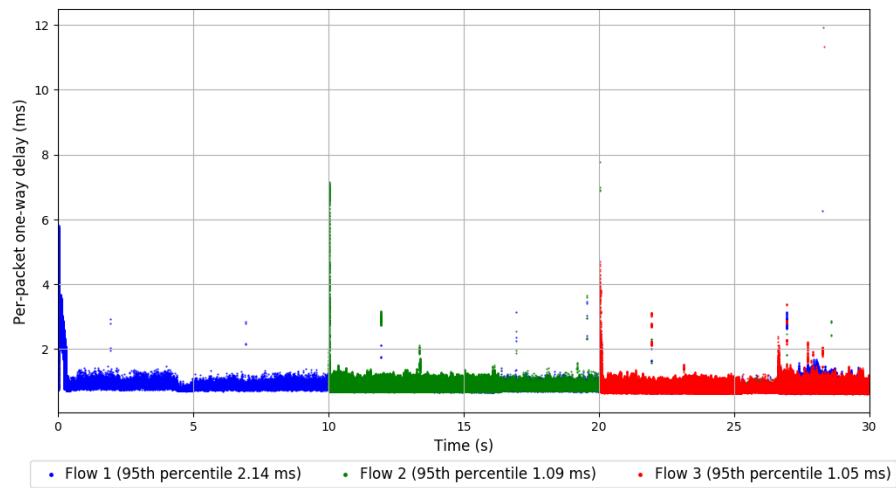
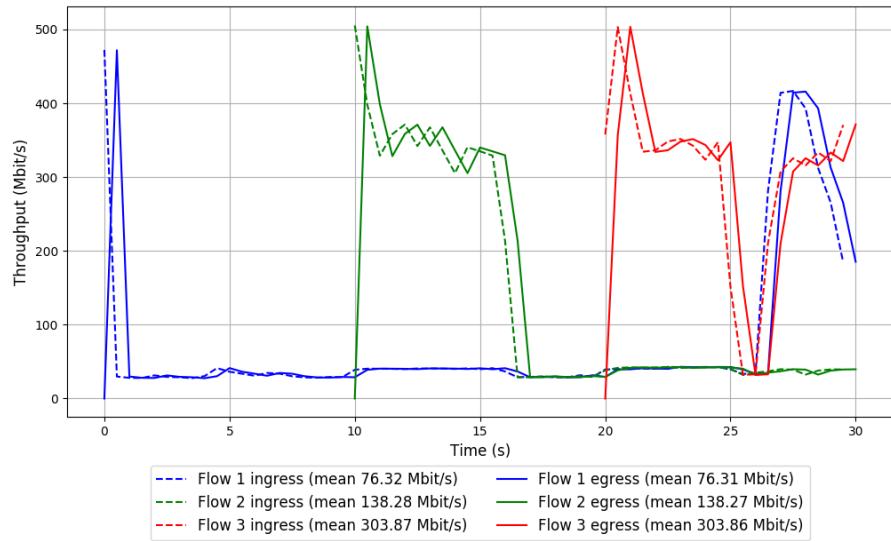


Run 3: Statistics of TCP Vegas

```
Start at: 2019-08-27 00:37:23
End at: 2019-08-27 00:37:53
Local clock offset: -0.653 ms
Remote clock offset: 2.317 ms

# Below is generated by plot.py at 2019-08-27 02:57:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.45 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 2.141 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 138.27 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 303.86 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

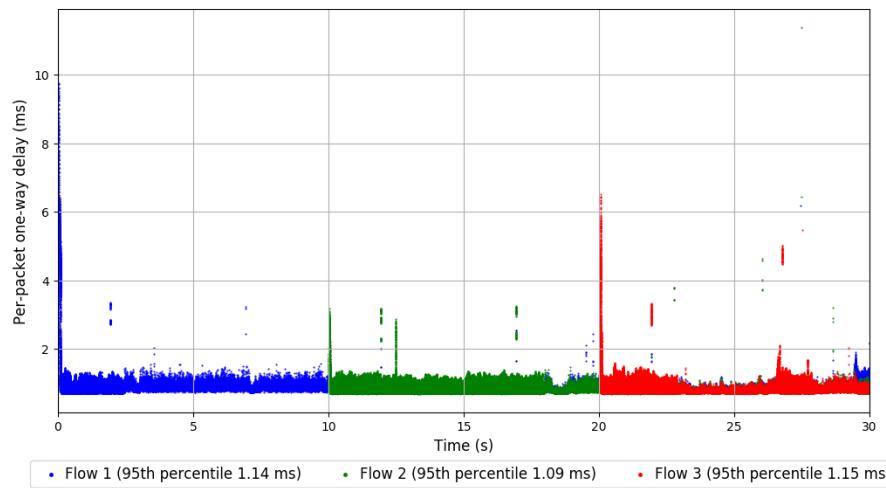
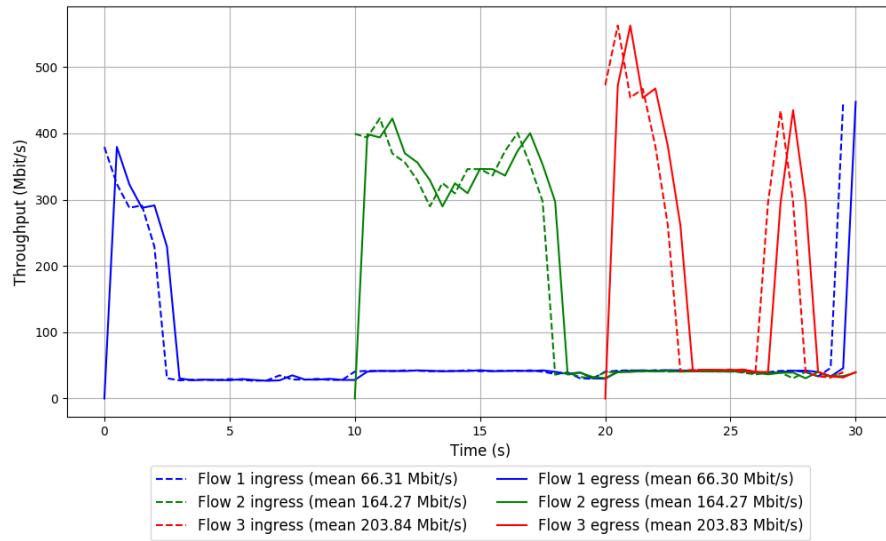


Run 4: Statistics of TCP Vegas

```
Start at: 2019-08-27 01:11:09
End at: 2019-08-27 01:11:39
Local clock offset: -0.58 ms
Remote clock offset: 3.774 ms

# Below is generated by plot.py at 2019-08-27 02:57:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 243.48 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 164.27 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 203.83 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

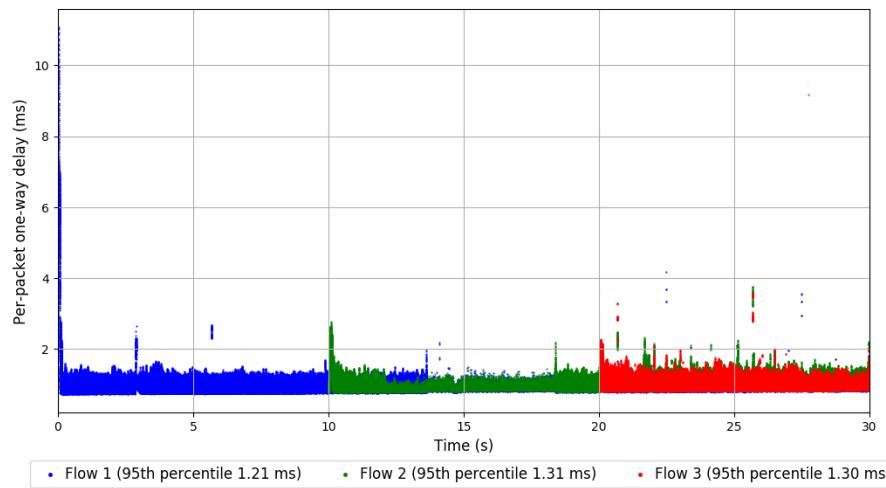
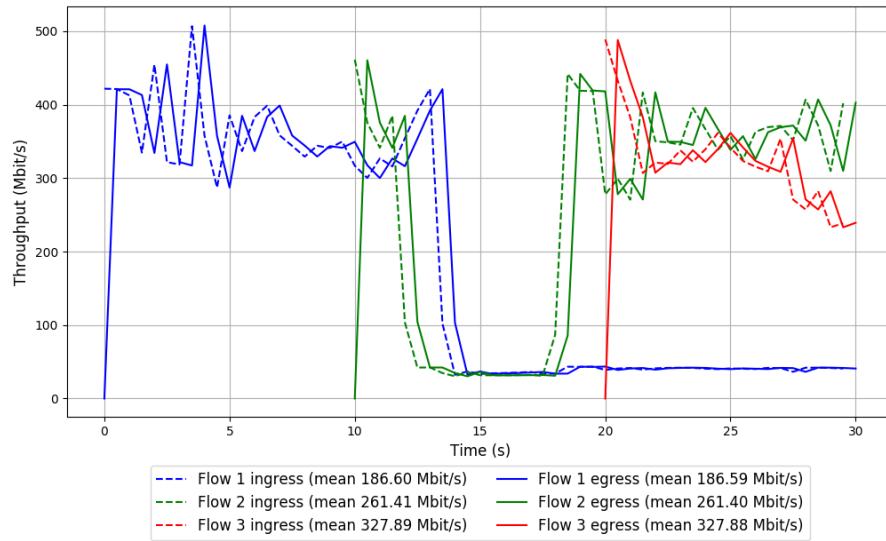


Run 5: Statistics of TCP Vegas

```
Start at: 2019-08-27 01:44:45
End at: 2019-08-27 01:45:15
Local clock offset: 0.151 ms
Remote clock offset: 4.892 ms

# Below is generated by plot.py at 2019-08-27 02:57:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.71 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.59 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 261.40 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 327.88 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

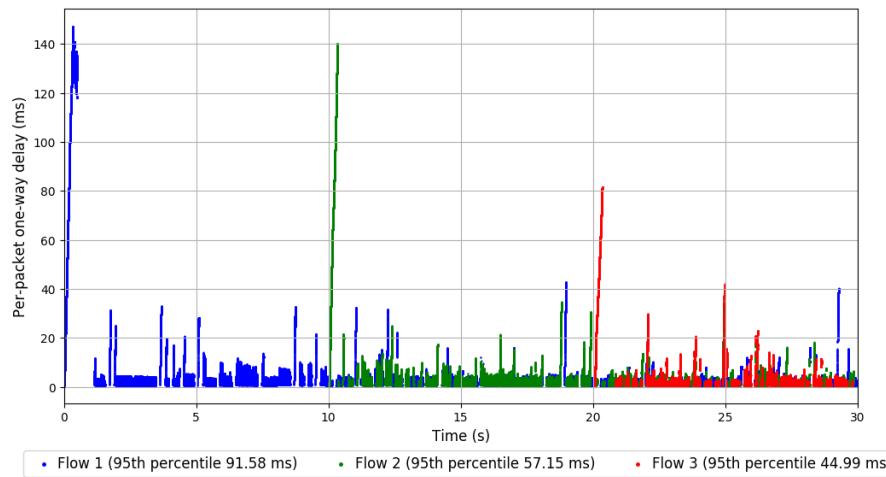
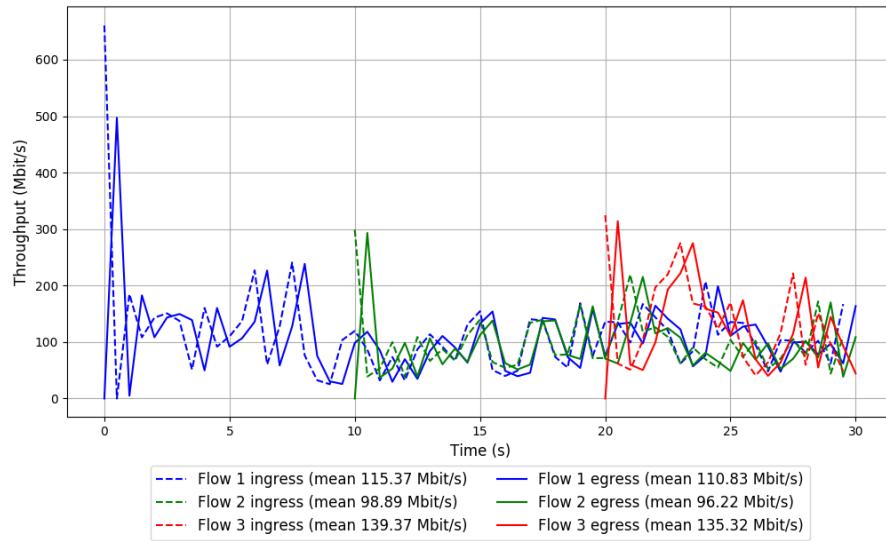


Run 1: Statistics of Verus

```
Start at: 2019-08-26 23:18:37
End at: 2019-08-26 23:19:07
Local clock offset: -0.124 ms
Remote clock offset: 2.116 ms

# Below is generated by plot.py at 2019-08-27 02:57:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 218.79 Mbit/s
95th percentile per-packet one-way delay: 59.251 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 110.83 Mbit/s
95th percentile per-packet one-way delay: 91.583 ms
Loss rate: 3.94%
-- Flow 2:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 57.152 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 135.32 Mbit/s
95th percentile per-packet one-way delay: 44.995 ms
Loss rate: 2.89%
```

Run 1: Report of Verus — Data Link

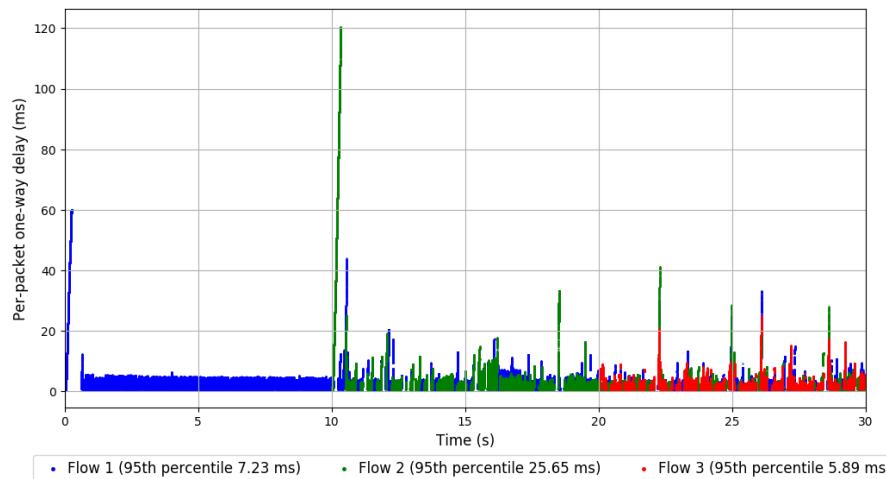
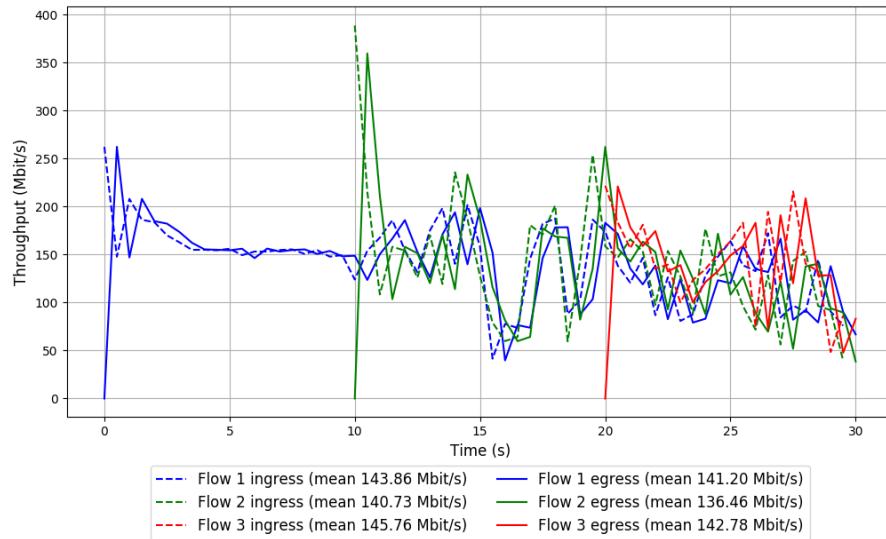


Run 2: Statistics of Verus

```
Start at: 2019-08-26 23:52:15
End at: 2019-08-26 23:52:45
Local clock offset: -0.348 ms
Remote clock offset: 3.761 ms

# Below is generated by plot.py at 2019-08-27 02:57:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.28 Mbit/s
95th percentile per-packet one-way delay: 8.713 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 141.20 Mbit/s
95th percentile per-packet one-way delay: 7.232 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 136.46 Mbit/s
95th percentile per-packet one-way delay: 25.653 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 142.78 Mbit/s
95th percentile per-packet one-way delay: 5.894 ms
Loss rate: 2.04%
```

Run 2: Report of Verus — Data Link

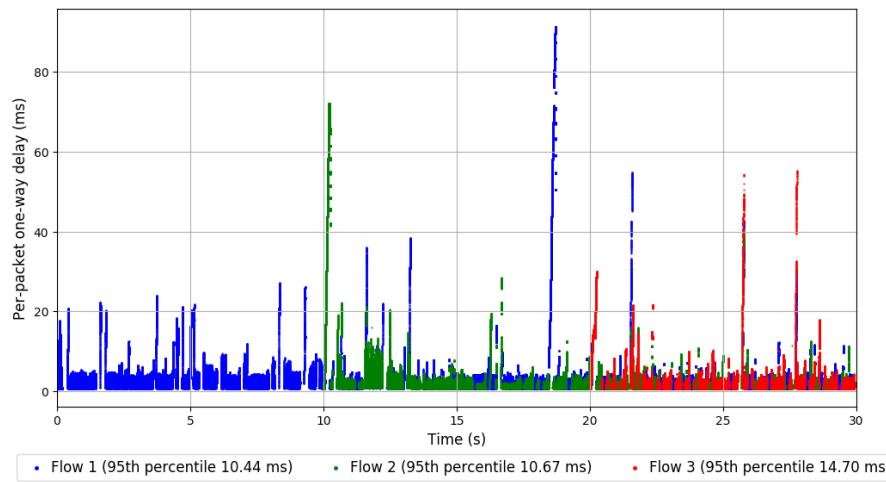
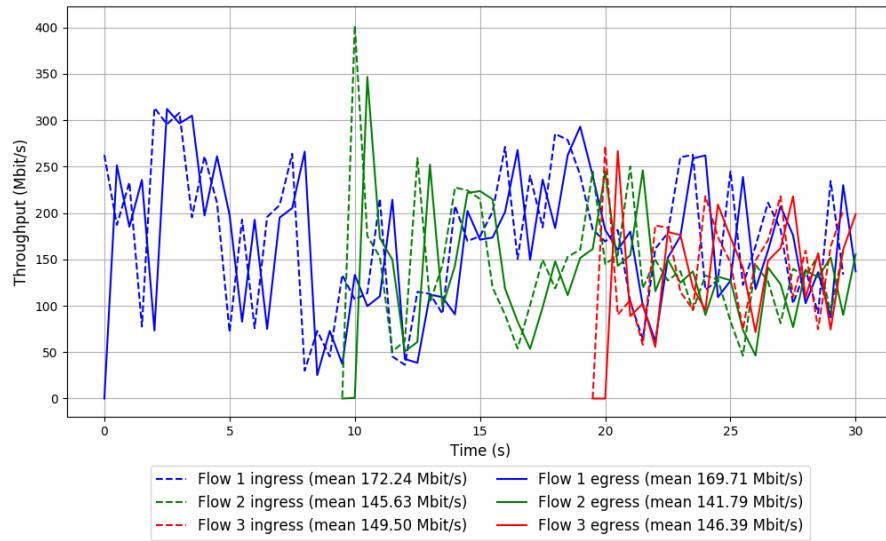


Run 3: Statistics of Verus

```
Start at: 2019-08-27 00:26:00
End at: 2019-08-27 00:26:30
Local clock offset: -0.542 ms
Remote clock offset: 1.725 ms

# Below is generated by plot.py at 2019-08-27 02:58:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.71 Mbit/s
95th percentile per-packet one-way delay: 11.504 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 169.71 Mbit/s
95th percentile per-packet one-way delay: 10.438 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 141.79 Mbit/s
95th percentile per-packet one-way delay: 10.674 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 146.39 Mbit/s
95th percentile per-packet one-way delay: 14.702 ms
Loss rate: 2.07%
```

Run 3: Report of Verus — Data Link

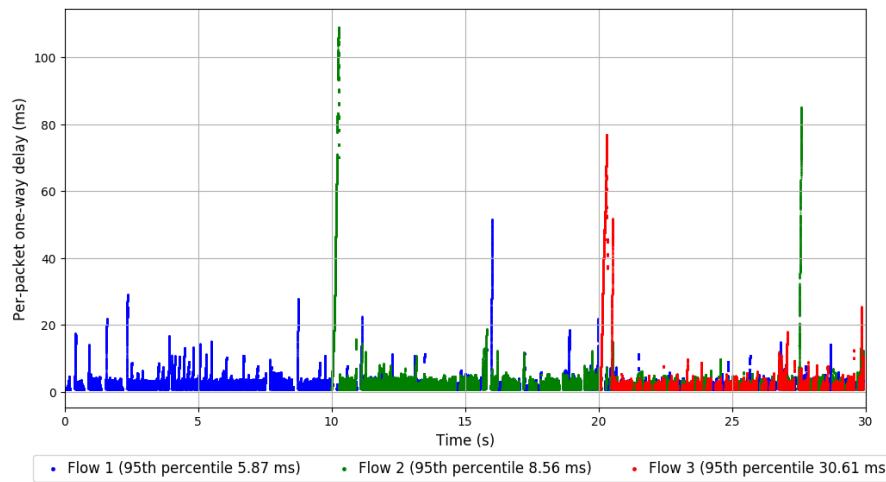
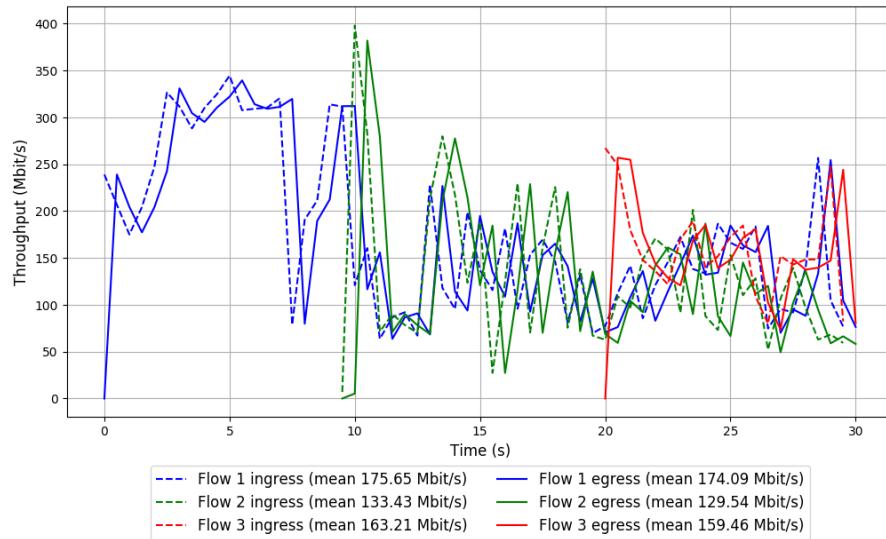


Run 4: Statistics of Verus

```
Start at: 2019-08-27 00:59:41
End at: 2019-08-27 01:00:11
Local clock offset: -0.639 ms
Remote clock offset: 3.524 ms

# Below is generated by plot.py at 2019-08-27 02:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.00 Mbit/s
95th percentile per-packet one-way delay: 7.332 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 174.09 Mbit/s
95th percentile per-packet one-way delay: 5.872 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 129.54 Mbit/s
95th percentile per-packet one-way delay: 8.562 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 159.46 Mbit/s
95th percentile per-packet one-way delay: 30.607 ms
Loss rate: 2.20%
```

Run 4: Report of Verus — Data Link

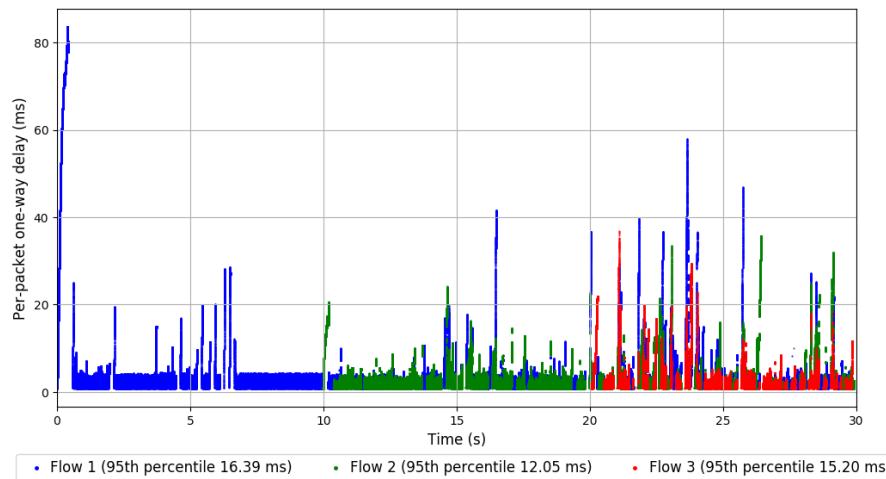
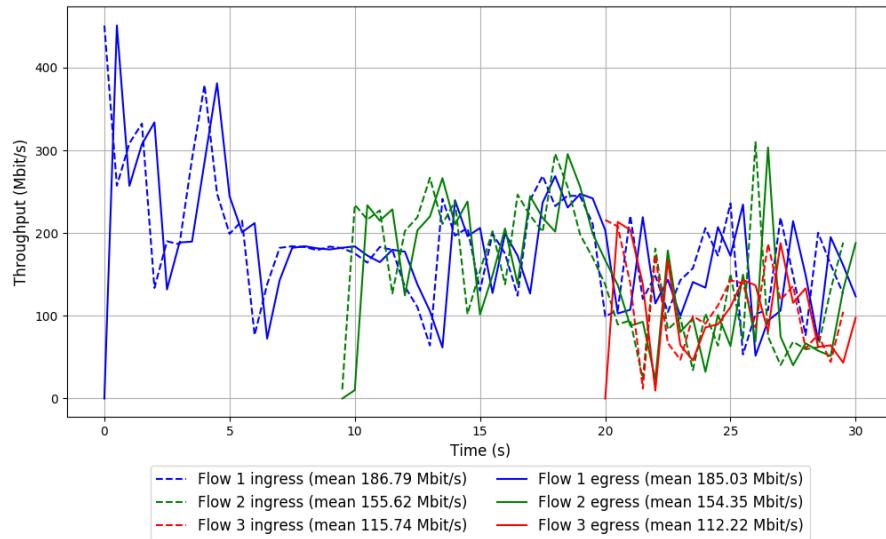


Run 5: Statistics of Verus

```
Start at: 2019-08-27 01:33:15
End at: 2019-08-27 01:33:45
Local clock offset: -0.13 ms
Remote clock offset: 4.446 ms

# Below is generated by plot.py at 2019-08-27 02:58:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.99 Mbit/s
95th percentile per-packet one-way delay: 13.856 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 185.03 Mbit/s
95th percentile per-packet one-way delay: 16.386 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 154.35 Mbit/s
95th percentile per-packet one-way delay: 12.050 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 112.22 Mbit/s
95th percentile per-packet one-way delay: 15.196 ms
Loss rate: 2.94%
```

Run 5: Report of Verus — Data Link

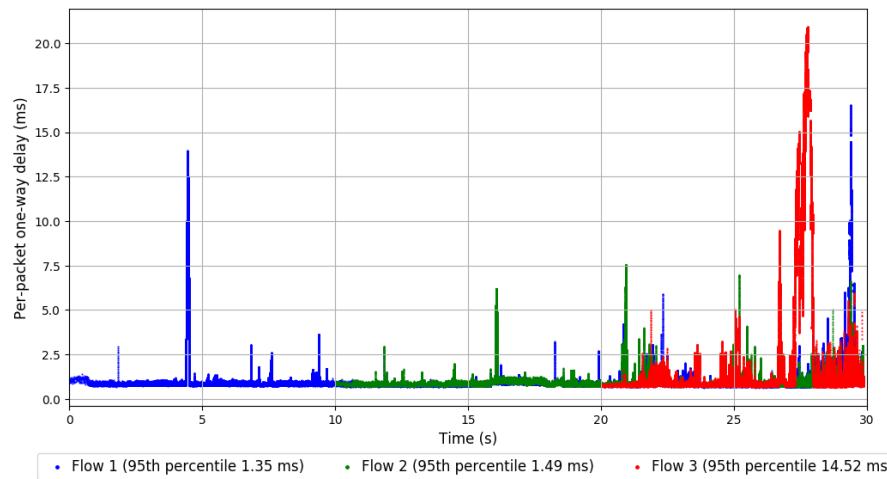
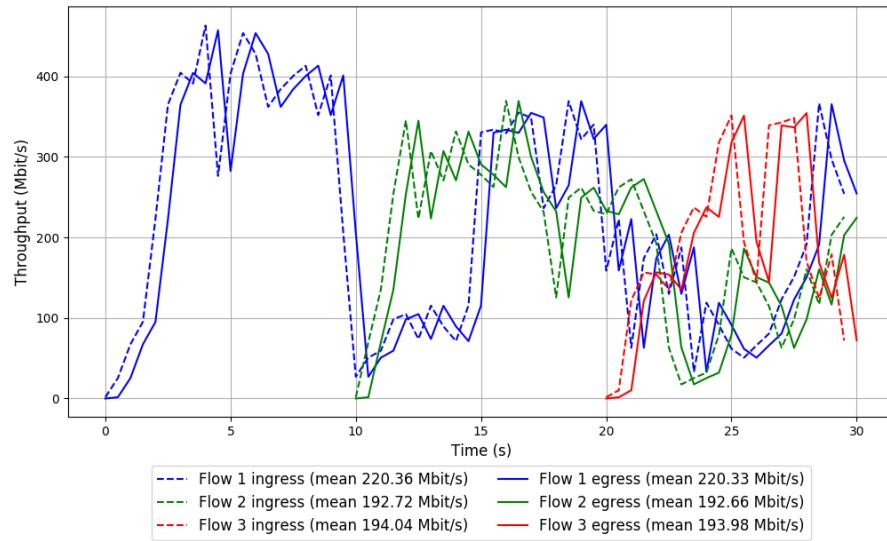


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-08-26 23:27:01
End at: 2019-08-26 23:27:31
Local clock offset: -0.203 ms
Remote clock offset: 2.636 ms

# Below is generated by plot.py at 2019-08-27 02:59:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 412.56 Mbit/s
95th percentile per-packet one-way delay: 2.195 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 220.33 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 192.66 Mbit/s
95th percentile per-packet one-way delay: 1.490 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 193.98 Mbit/s
95th percentile per-packet one-way delay: 14.524 ms
Loss rate: 0.04%
```

Run 1: Report of PCC-Vivace — Data Link

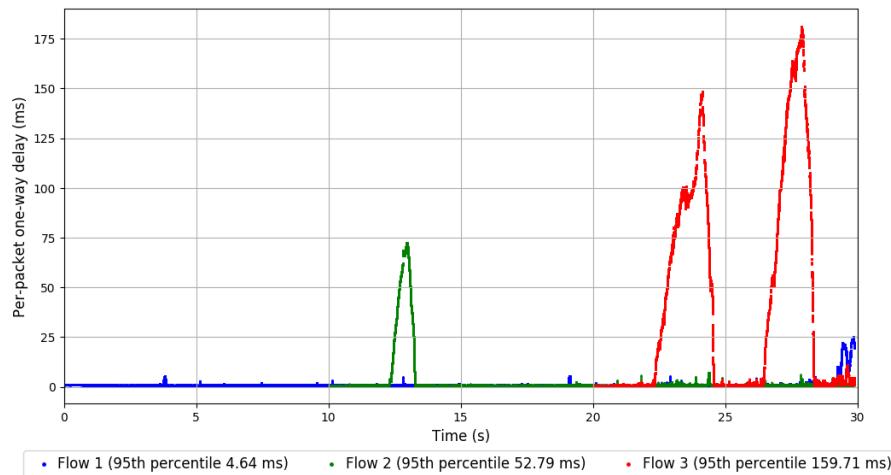
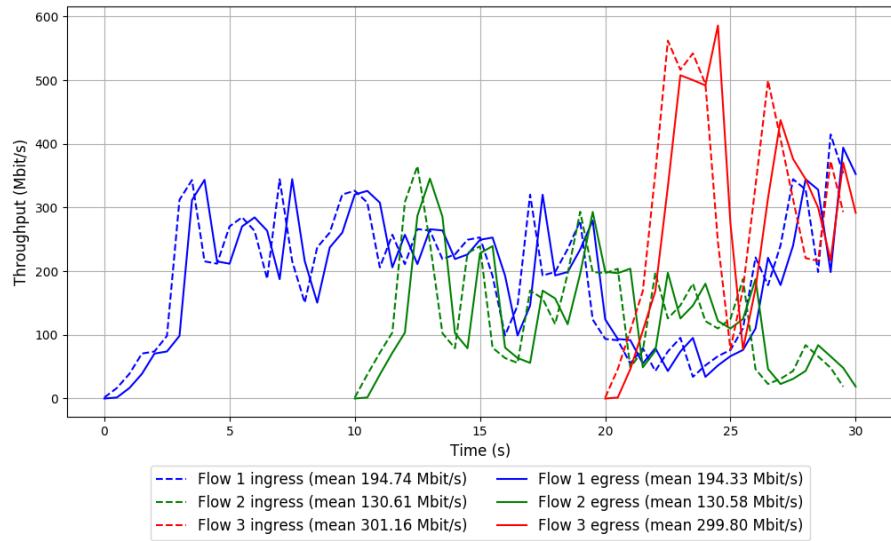


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-08-27 00:00:44
End at: 2019-08-27 00:01:14
Local clock offset: -0.414 ms
Remote clock offset: 4.055 ms

# Below is generated by plot.py at 2019-08-27 02:59:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.15 Mbit/s
95th percentile per-packet one-way delay: 104.783 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 194.33 Mbit/s
95th percentile per-packet one-way delay: 4.645 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 130.58 Mbit/s
95th percentile per-packet one-way delay: 52.791 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 299.80 Mbit/s
95th percentile per-packet one-way delay: 159.711 ms
Loss rate: 0.44%
```

Run 2: Report of PCC-Vivace — Data Link

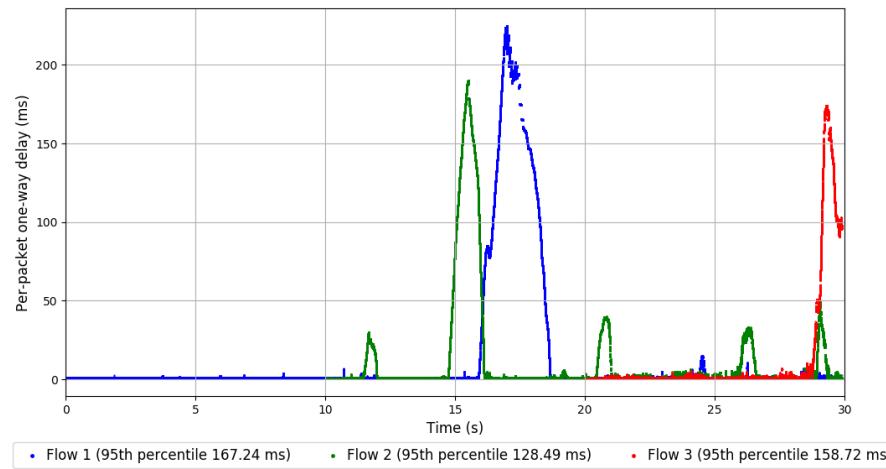
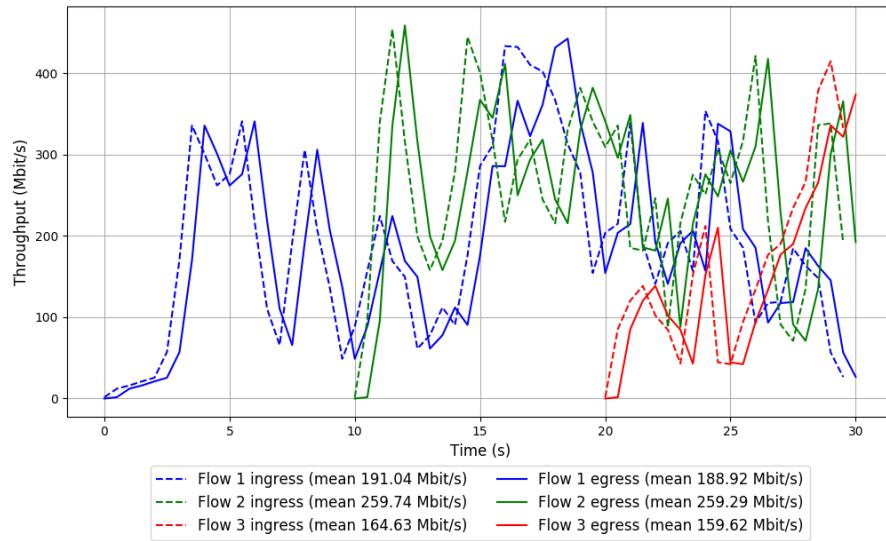


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-08-27 00:34:29
End at: 2019-08-27 00:34:59
Local clock offset: -0.622 ms
Remote clock offset: 1.965 ms

# Below is generated by plot.py at 2019-08-27 03:00:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 414.09 Mbit/s
95th percentile per-packet one-way delay: 154.342 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 188.92 Mbit/s
95th percentile per-packet one-way delay: 167.241 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 259.29 Mbit/s
95th percentile per-packet one-way delay: 128.487 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 159.62 Mbit/s
95th percentile per-packet one-way delay: 158.722 ms
Loss rate: 3.04%
```

Run 3: Report of PCC-Vivace — Data Link

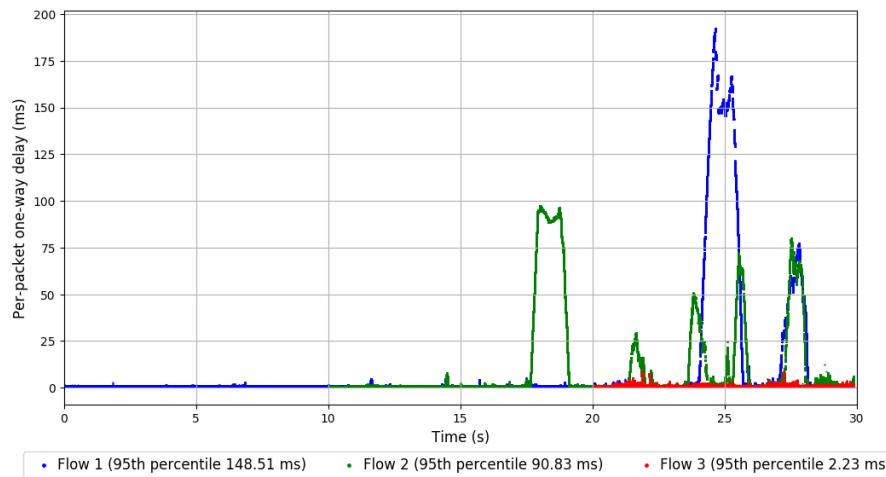
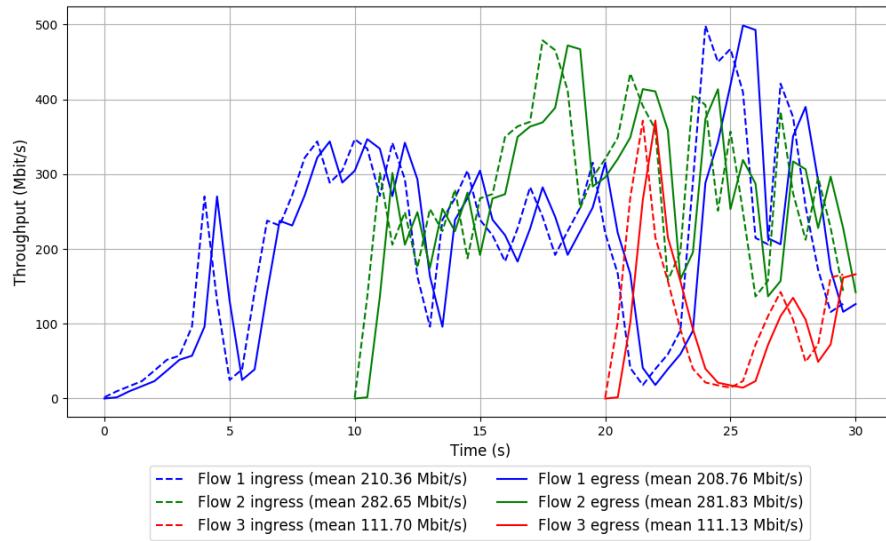


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-08-27 01:08:13
End at: 2019-08-27 01:08:43
Local clock offset: -0.588 ms
Remote clock offset: 3.828 ms

# Below is generated by plot.py at 2019-08-27 03:00:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.88 Mbit/s
95th percentile per-packet one-way delay: 94.070 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 208.76 Mbit/s
95th percentile per-packet one-way delay: 148.507 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 281.83 Mbit/s
95th percentile per-packet one-way delay: 90.834 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 111.13 Mbit/s
95th percentile per-packet one-way delay: 2.233 ms
Loss rate: 0.55%
```

Run 4: Report of PCC-Vivace — Data Link

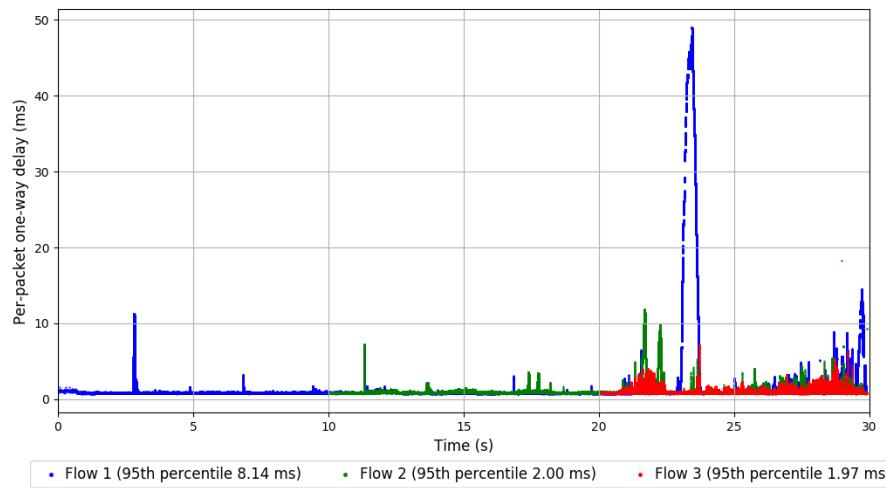
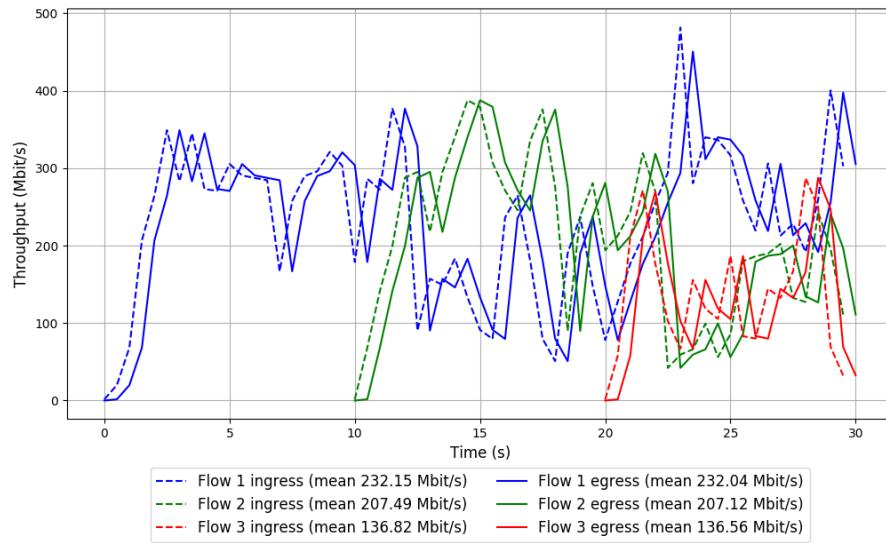


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-08-27 01:41:48
End at: 2019-08-27 01:42:18
Local clock offset: 0.084 ms
Remote clock offset: 4.915 ms

# Below is generated by plot.py at 2019-08-27 03:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 414.80 Mbit/s
95th percentile per-packet one-way delay: 3.410 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 232.04 Mbit/s
95th percentile per-packet one-way delay: 8.143 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 207.12 Mbit/s
95th percentile per-packet one-way delay: 1.997 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 136.56 Mbit/s
95th percentile per-packet one-way delay: 1.972 ms
Loss rate: 0.20%
```

Run 5: Report of PCC-Vivace — Data Link

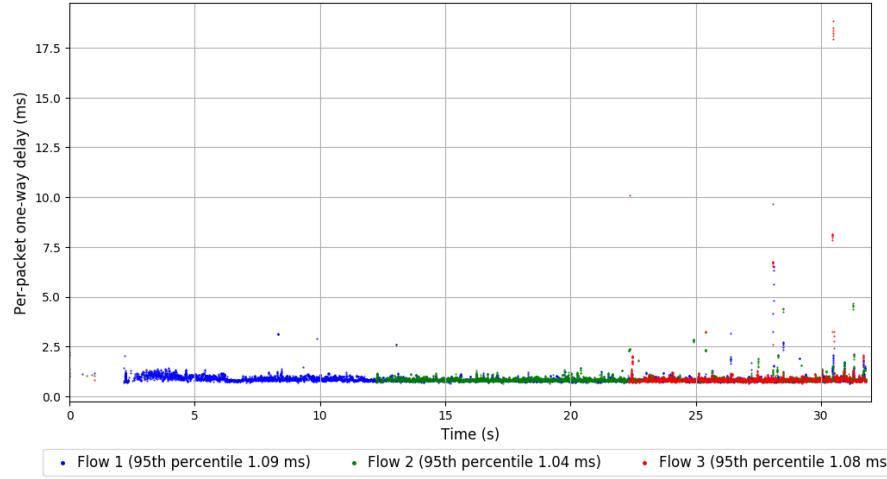
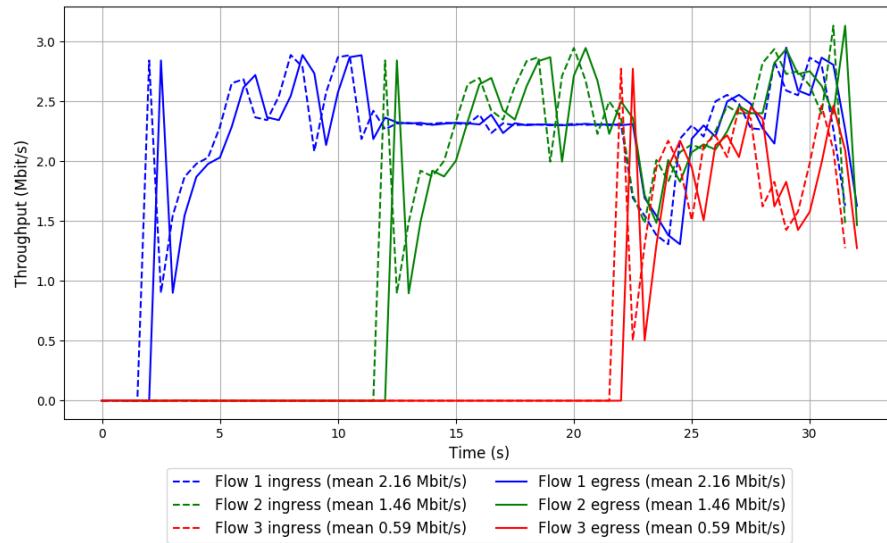


```
Run 1: Statistics of WebRTC media

Start at: 2019-08-26 23:31:24
End at: 2019-08-26 23:31:54
Local clock offset: -0.197 ms
Remote clock offset: 2.929 ms

# Below is generated by plot.py at 2019-08-27 03:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

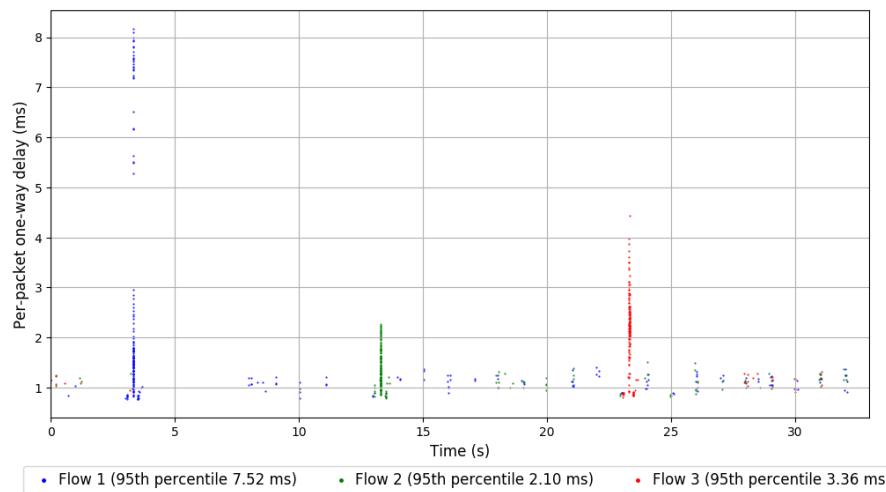
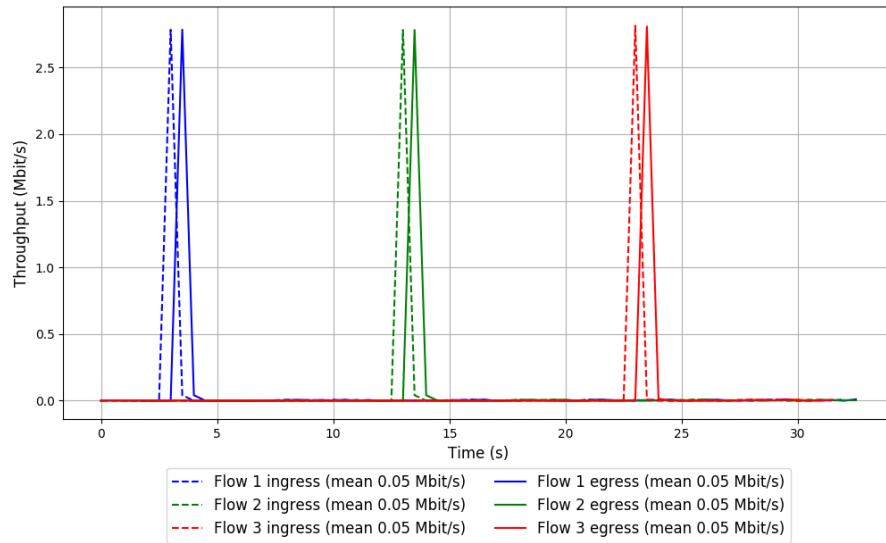


Run 2: Statistics of WebRTC media

```
Start at: 2019-08-27 00:05:06
End at: 2019-08-27 00:05:36
Local clock offset: -0.436 ms
Remote clock offset: 2.79 ms

# Below is generated by plot.py at 2019-08-27 03:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 3.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.097 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.361 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

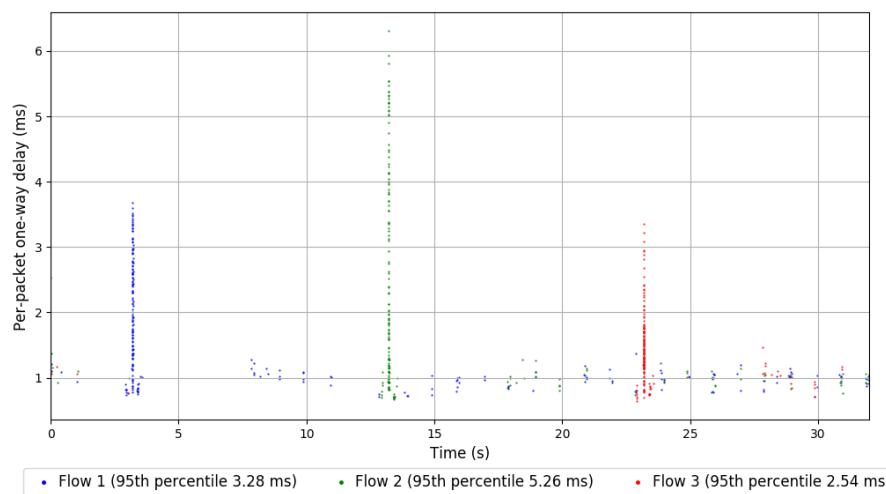
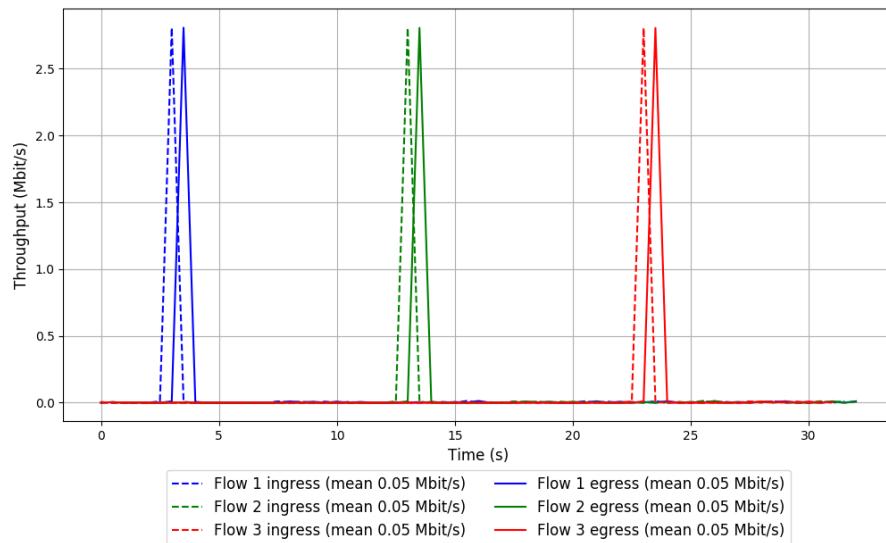


Run 3: Statistics of WebRTC media

```
Start at: 2019-08-27 00:38:47
End at: 2019-08-27 00:39:17
Local clock offset: -0.67 ms
Remote clock offset: 2.533 ms

# Below is generated by plot.py at 2019-08-27 03:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 4.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.279 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.542 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

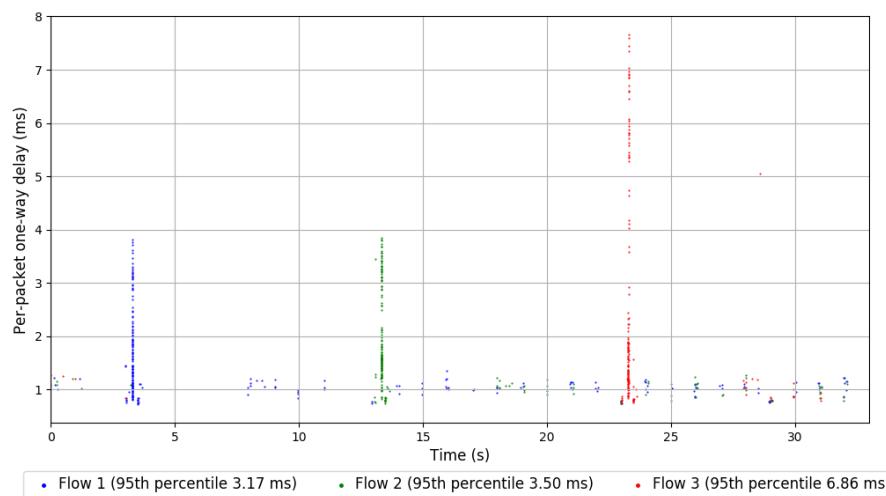
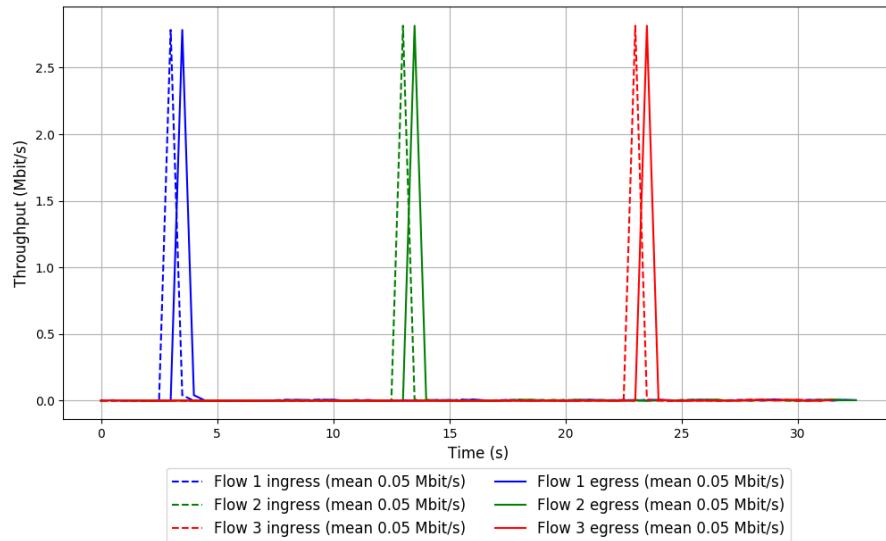


Run 4: Statistics of WebRTC media

```
Start at: 2019-08-27 01:12:32
End at: 2019-08-27 01:13:02
Local clock offset: -0.57 ms
Remote clock offset: 3.78 ms

# Below is generated by plot.py at 2019-08-27 03:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 5.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.505 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.856 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-08-27 01:46:15
End at: 2019-08-27 01:46:45
Local clock offset: 0.201 ms
Remote clock offset: 4.646 ms

# Below is generated by plot.py at 2019-08-27 03:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 4.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.606 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 6.015 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

