

## Pantheon Report

Generated at 2017-12-01 07:45:36 (UTC).

Data path: GCE London Ethernet (*remote*) → GCE Iowa Ethernet (*local*).

Repeated the test of 14 congestion control schemes 10 times.

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

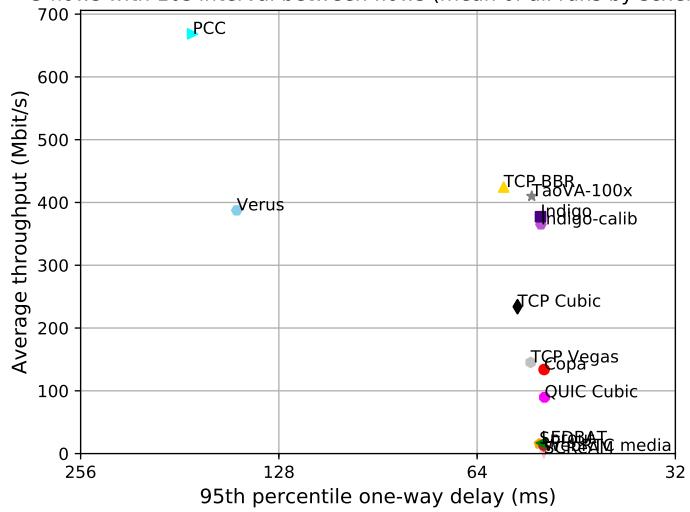
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

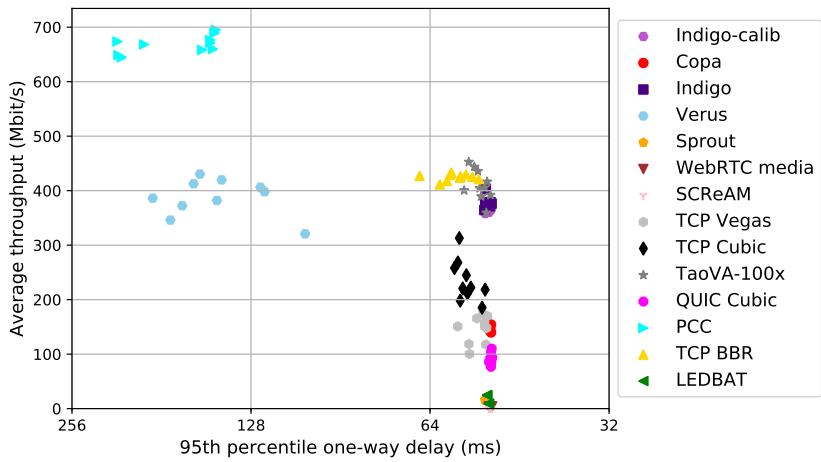
Git summary:

```
branch: indigos @ e3a57ad5ac5cfccaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfeae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bffff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bf7e749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



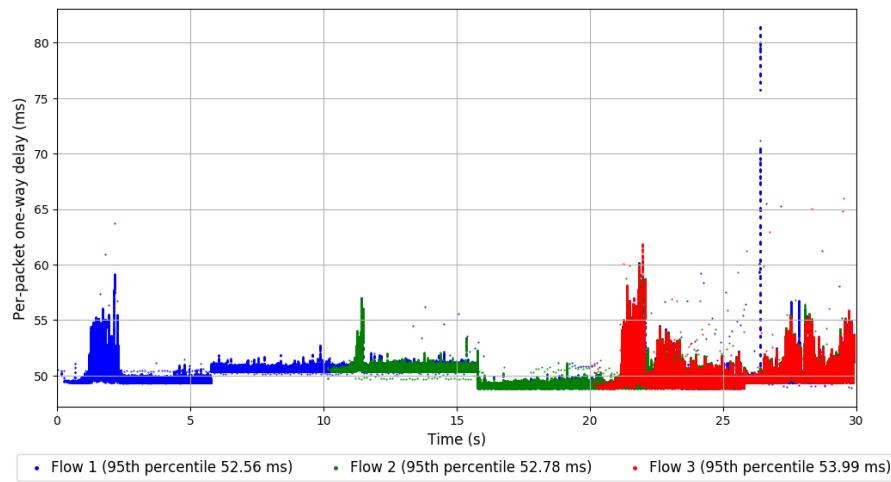
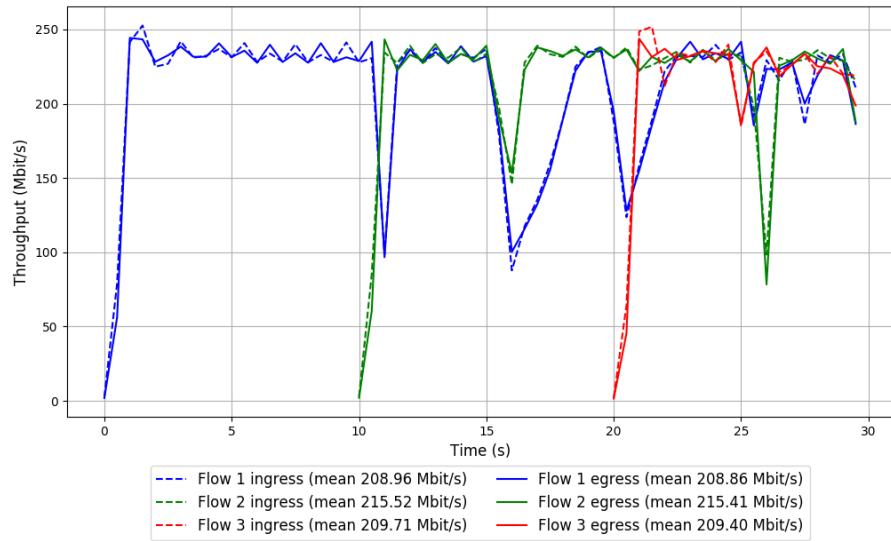
| scheme       | # runs | mean avg tput (Mbit/s) |        |        | mean 95th-%ile delay (ms) |        |        | mean loss rate (%) |        |        |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
|              |        | flow 1                 | flow 2 | flow 3 | flow 1                    | flow 2 | flow 3 | flow 1             | flow 2 | flow 3 |
| TCP BBR      | 10     | 215.08                 | 213.30 | 205.47 | 56.43                     | 58.15  | 63.80  | 0.35               | 0.57   | 1.18   |
| TCP Cubic    | 10     | 124.66                 | 112.64 | 104.64 | 55.54                     | 54.83  | 54.32  | 0.36               | 0.55   | 1.89   |
| LEDBAT       | 4      | 5.00                   | 12.80  | 8.96   | 1437.54                   | 51.21  | 51.05  | 0.37               | 0.88   | 2.34   |
| PCC          | 10     | 614.67                 | 58.74  | 45.57  | 175.71                    | 151.24 | 141.34 | 2.14               | 1.87   | 3.01   |
| QUIC Cubic   | 10     | 57.45                  | 36.21  | 25.13  | 50.50                     | 50.27  | 50.43  | 0.44               | 0.99   | 1.96   |
| SCReAM       | 10     | 0.22                   | 0.22   | 0.22   | 50.57                     | 50.36  | 50.19  | 0.33               | 0.44   | 0.89   |
| WebRTC media | 10     | 2.25                   | 1.44   | 0.59   | 50.53                     | 50.05  | 50.51  | 0.40               | 0.55   | 1.40   |
| Sprout       | 10     | 7.95                   | 7.86   | 7.52   | 51.49                     | 51.51  | 51.23  | 0.33               | 0.61   | 1.48   |
| TaoVA-100x   | 10     | 216.14                 | 210.75 | 209.90 | 52.87                     | 53.14  | 56.25  | 0.29               | 0.43   | 1.17   |
| TCP Vegas    | 10     | 70.90                  | 71.60  | 81.36  | 52.52                     | 53.14  | 52.48  | 0.29               | 0.54   | 1.00   |
| Verus        | 10     | 237.89                 | 146.86 | 160.81 | 131.20                    | 143.72 | 158.53 | 1.27               | 2.58   | 2.93   |
| Copa         | 5      | 63.24                  | 73.16  | 81.46  | 362.25                    | 50.63  | 50.50  | 0.17               | 0.48   | 1.41   |
| Indigo       | 9      | 191.48                 | 186.50 | 181.90 | 51.10                     | 51.43  | 51.54  | 0.35               | 0.53   | 1.12   |
| Indigo-calib | 10     | 185.92                 | 182.77 | 178.32 | 51.06                     | 51.31  | 51.36  | 0.32               | 0.36   | 1.05   |

```
Run 1: Statistics of TCP BBR

Start at: 2017-12-01 02:16:02
End at: 2017-12-01 02:16:32

# Below is generated by plot.py at 2017-12-01 06:36:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.05 Mbit/s
95th percentile per-packet one-way delay: 53.002 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 208.86 Mbit/s
95th percentile per-packet one-way delay: 52.556 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 215.41 Mbit/s
95th percentile per-packet one-way delay: 52.782 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 209.40 Mbit/s
95th percentile per-packet one-way delay: 53.989 ms
Loss rate: 1.16%
```

## Run 1: Report of TCP BBR — Data Link



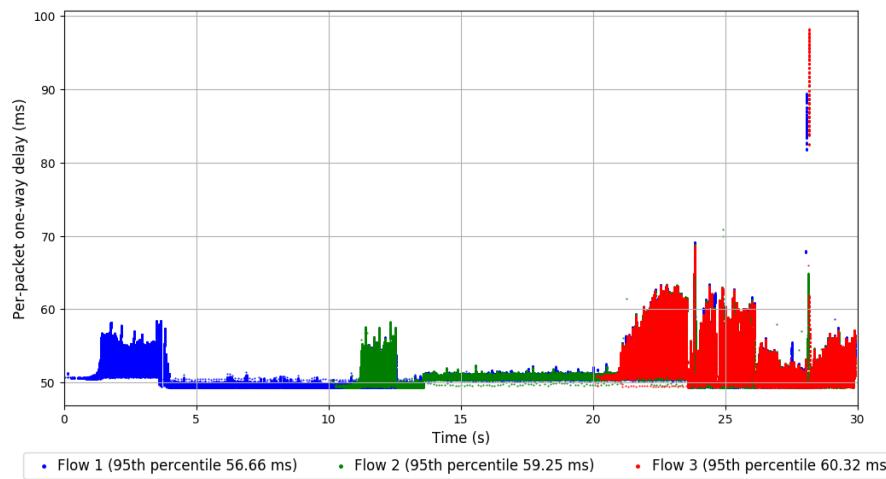
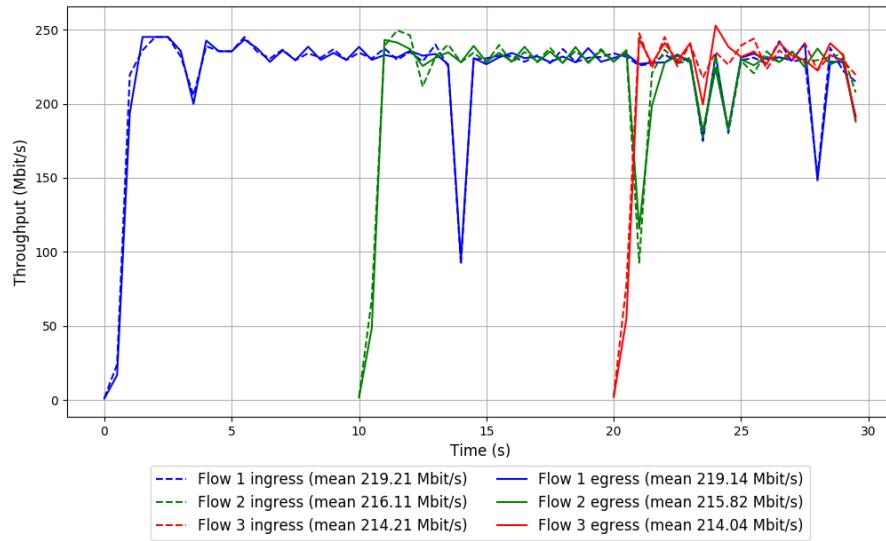
Run 2: Statistics of TCP BBR

Start at: 2017-12-01 02:28:34

End at: 2017-12-01 02:29:04

```
# Below is generated by plot.py at 2017-12-01 06:36:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.10 Mbit/s
95th percentile per-packet one-way delay: 58.914 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 219.14 Mbit/s
95th percentile per-packet one-way delay: 56.658 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 215.82 Mbit/s
95th percentile per-packet one-way delay: 59.251 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 214.04 Mbit/s
95th percentile per-packet one-way delay: 60.321 ms
Loss rate: 1.09%
```

## Run 2: Report of TCP BBR — Data Link



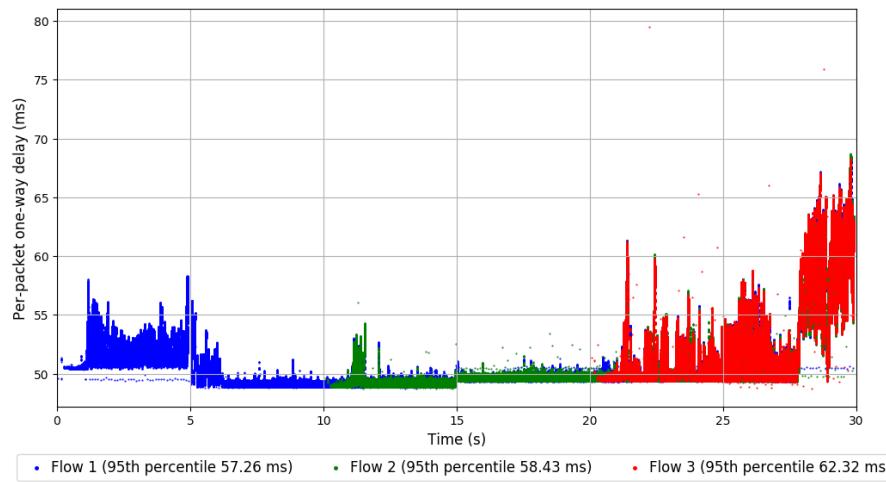
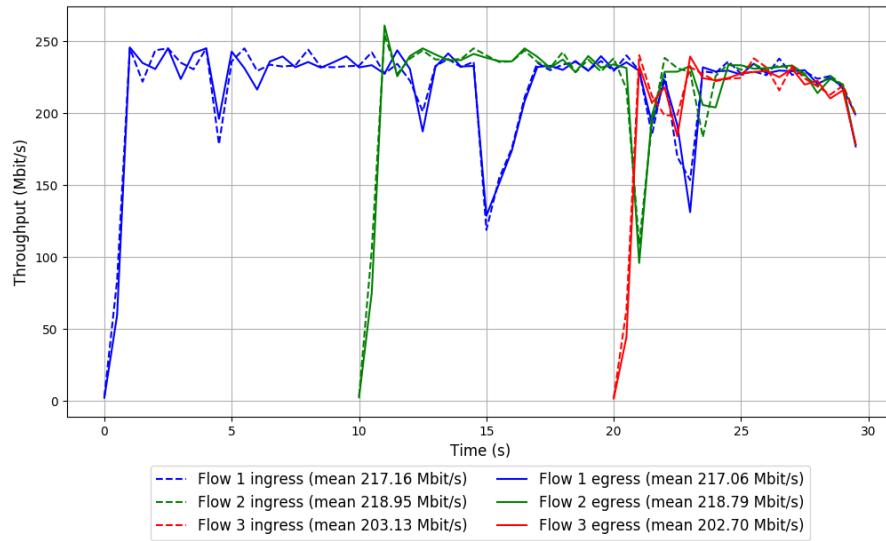
Run 3: Statistics of TCP BBR

Start at: 2017-12-01 02:41:13

End at: 2017-12-01 02:41:43

```
# Below is generated by plot.py at 2017-12-01 06:36:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.29 Mbit/s
95th percentile per-packet one-way delay: 59.257 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 217.06 Mbit/s
95th percentile per-packet one-way delay: 57.260 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 218.79 Mbit/s
95th percentile per-packet one-way delay: 58.432 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 202.70 Mbit/s
95th percentile per-packet one-way delay: 62.319 ms
Loss rate: 1.22%
```

### Run 3: Report of TCP BBR — Data Link



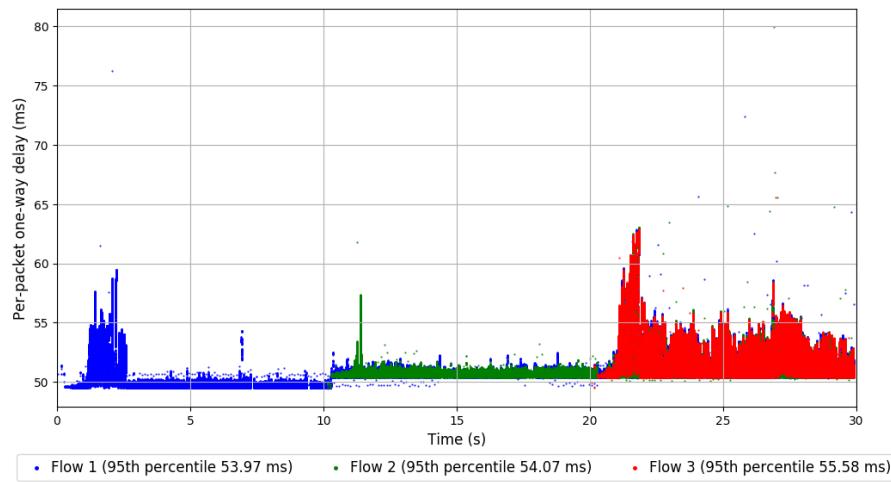
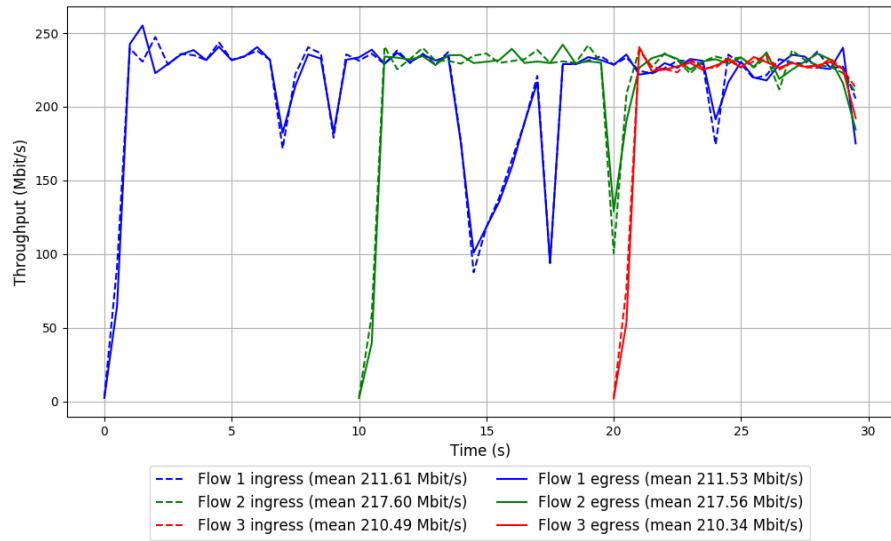
Run 4: Statistics of TCP BBR

Start at: 2017-12-01 02:53:58

End at: 2017-12-01 02:54:28

```
# Below is generated by plot.py at 2017-12-01 06:36:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 425.39 Mbit/s
95th percentile per-packet one-way delay: 54.309 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 211.53 Mbit/s
95th percentile per-packet one-way delay: 53.973 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 217.56 Mbit/s
95th percentile per-packet one-way delay: 54.067 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 210.34 Mbit/s
95th percentile per-packet one-way delay: 55.576 ms
Loss rate: 1.09%
```

## Run 4: Report of TCP BBR — Data Link



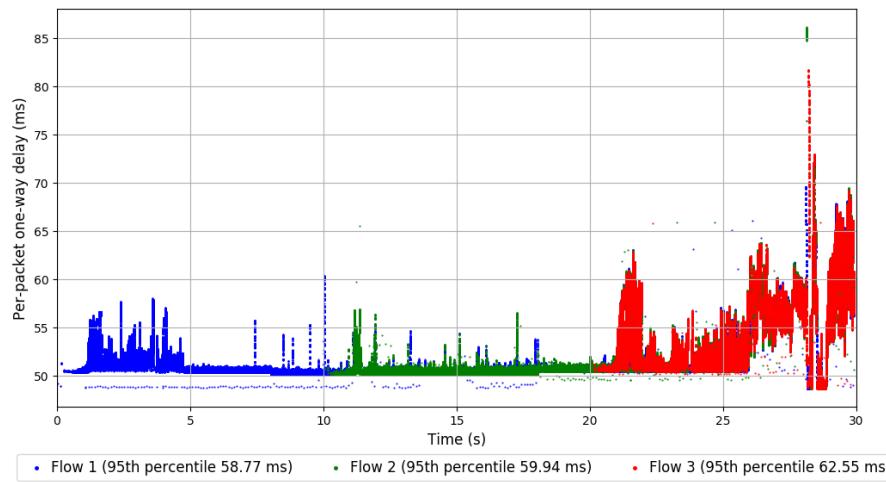
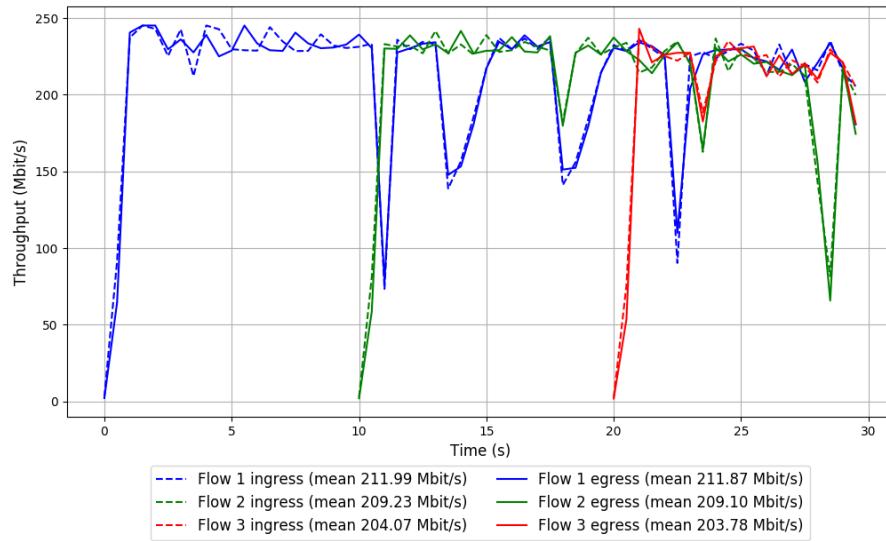
Run 5: Statistics of TCP BBR

Start at: 2017-12-01 03:06:30

End at: 2017-12-01 03:07:00

```
# Below is generated by plot.py at 2017-12-01 06:36:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.00 Mbit/s
95th percentile per-packet one-way delay: 59.936 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 211.87 Mbit/s
95th percentile per-packet one-way delay: 58.770 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 209.10 Mbit/s
95th percentile per-packet one-way delay: 59.942 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 203.78 Mbit/s
95th percentile per-packet one-way delay: 62.545 ms
Loss rate: 1.19%
```

### Run 5: Report of TCP BBR — Data Link



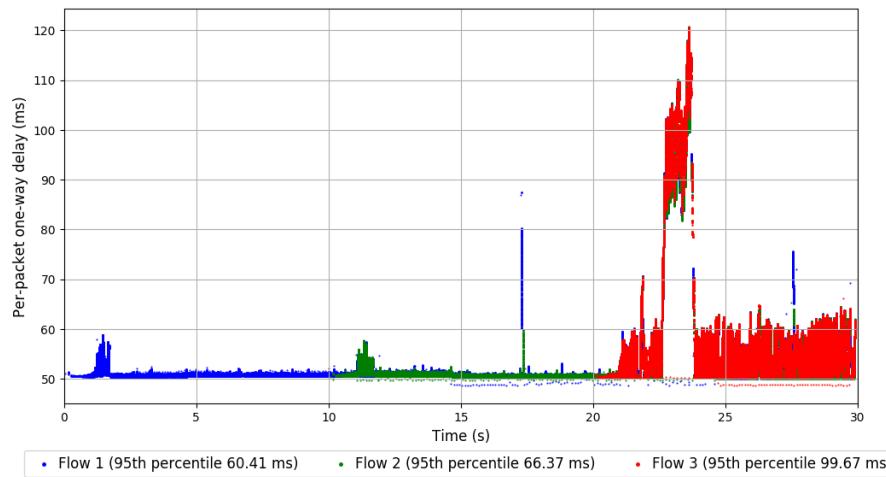
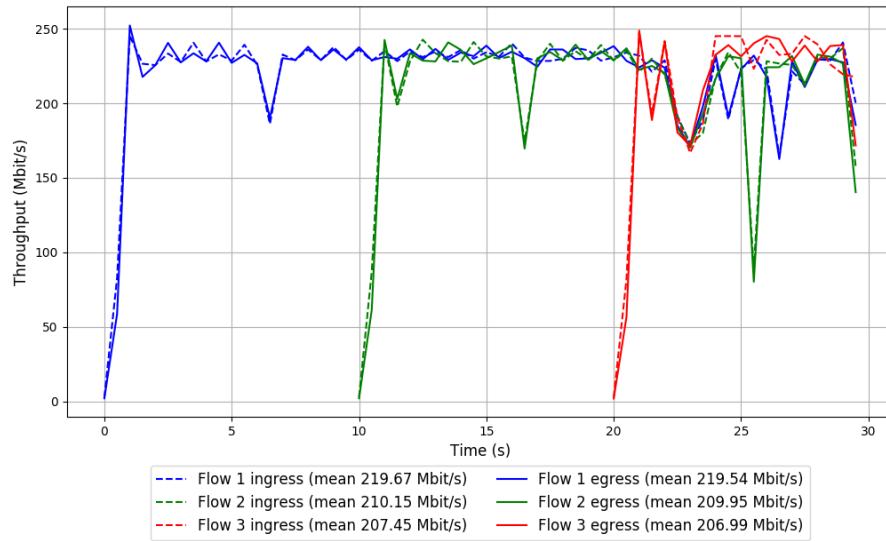
Run 6: Statistics of TCP BBR

Start at: 2017-12-01 03:19:03

End at: 2017-12-01 03:19:33

```
# Below is generated by plot.py at 2017-12-01 06:36:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 427.30 Mbit/s
95th percentile per-packet one-way delay: 66.637 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 219.54 Mbit/s
95th percentile per-packet one-way delay: 60.413 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 209.95 Mbit/s
95th percentile per-packet one-way delay: 66.369 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 206.99 Mbit/s
95th percentile per-packet one-way delay: 99.671 ms
Loss rate: 1.23%
```

## Run 6: Report of TCP BBR — Data Link



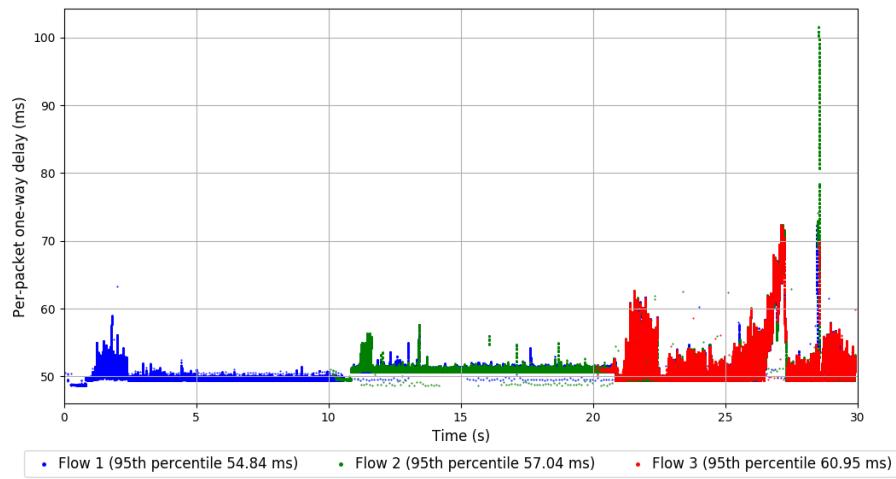
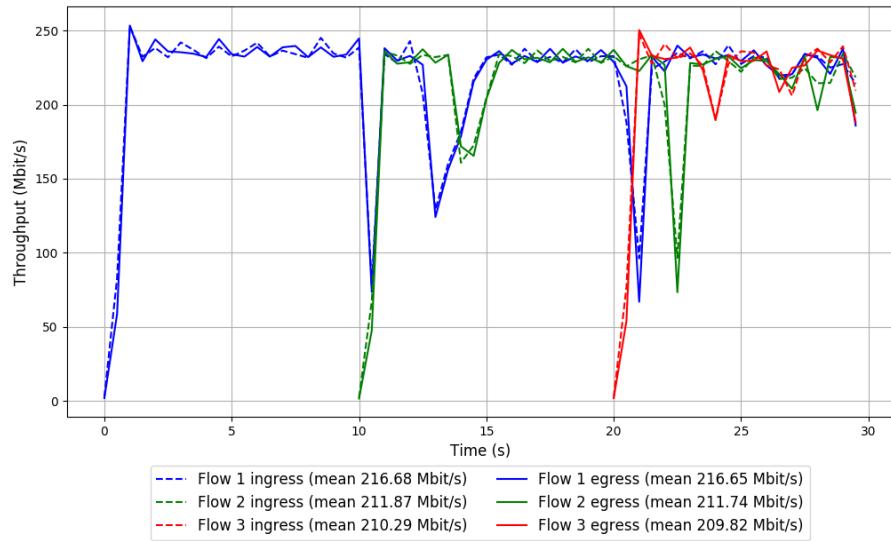
Run 7: Statistics of TCP BBR

Start at: 2017-12-01 03:31:37

End at: 2017-12-01 03:32:07

```
# Below is generated by plot.py at 2017-12-01 06:36:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 426.45 Mbit/s
95th percentile per-packet one-way delay: 56.893 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 216.65 Mbit/s
95th percentile per-packet one-way delay: 54.837 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 211.74 Mbit/s
95th percentile per-packet one-way delay: 57.041 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 209.82 Mbit/s
95th percentile per-packet one-way delay: 60.954 ms
Loss rate: 1.18%
```

## Run 7: Report of TCP BBR — Data Link



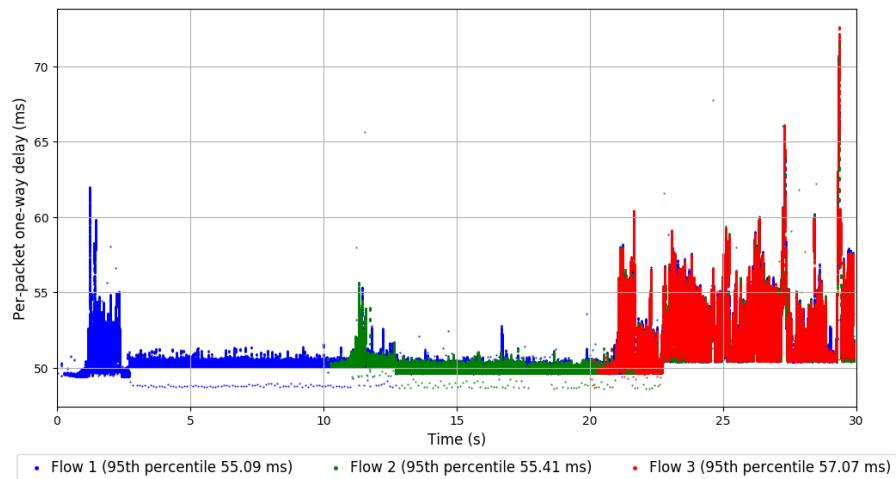
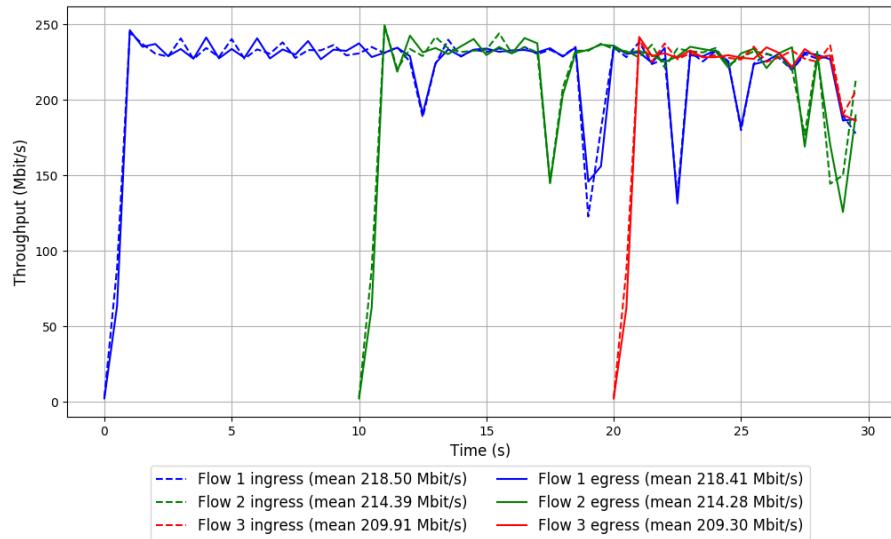
Run 8: Statistics of TCP BBR

Start at: 2017-12-01 03:44:05

End at: 2017-12-01 03:44:35

```
# Below is generated by plot.py at 2017-12-01 06:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.83 Mbit/s
95th percentile per-packet one-way delay: 55.693 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 218.41 Mbit/s
95th percentile per-packet one-way delay: 55.086 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 214.28 Mbit/s
95th percentile per-packet one-way delay: 55.405 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 209.30 Mbit/s
95th percentile per-packet one-way delay: 57.073 ms
Loss rate: 1.12%
```

### Run 8: Report of TCP BBR — Data Link



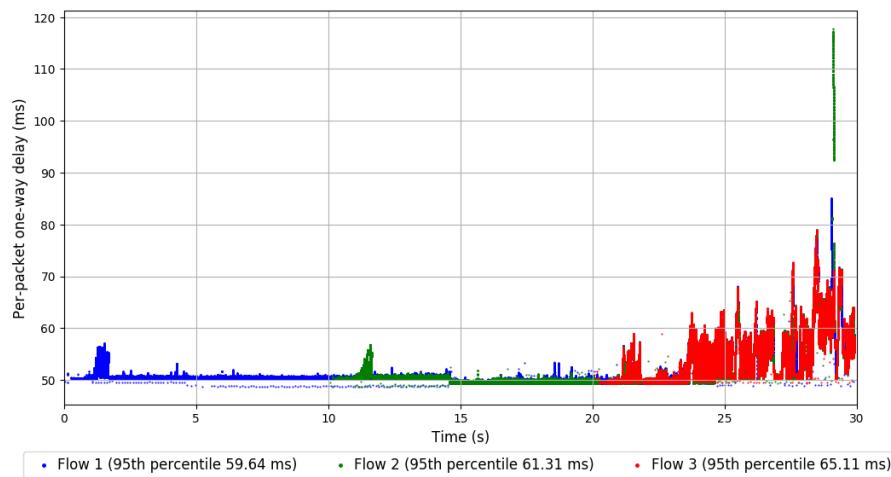
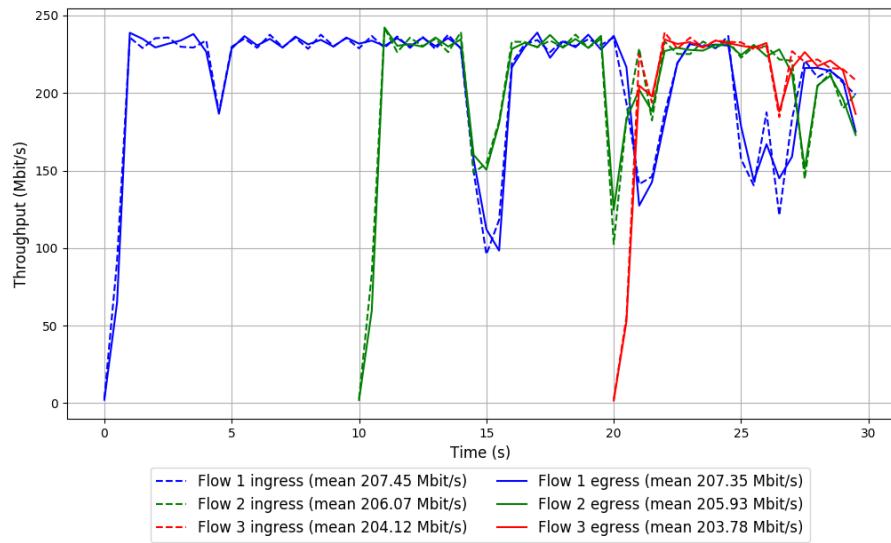
Run 9: Statistics of TCP BBR

Start at: 2017-12-01 03:56:43

End at: 2017-12-01 03:57:13

```
# Below is generated by plot.py at 2017-12-01 06:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.43 Mbit/s
95th percentile per-packet one-way delay: 61.623 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 207.35 Mbit/s
95th percentile per-packet one-way delay: 59.642 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 61.315 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 203.78 Mbit/s
95th percentile per-packet one-way delay: 65.113 ms
Loss rate: 1.17%
```

### Run 9: Report of TCP BBR — Data Link



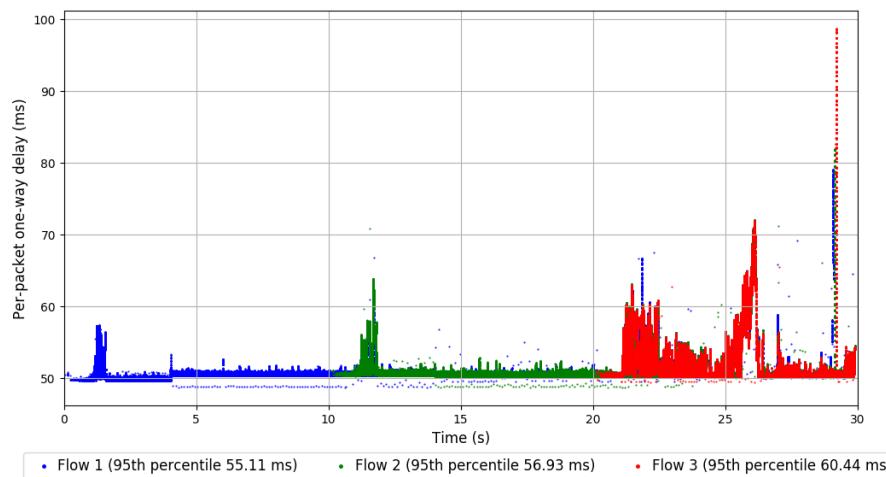
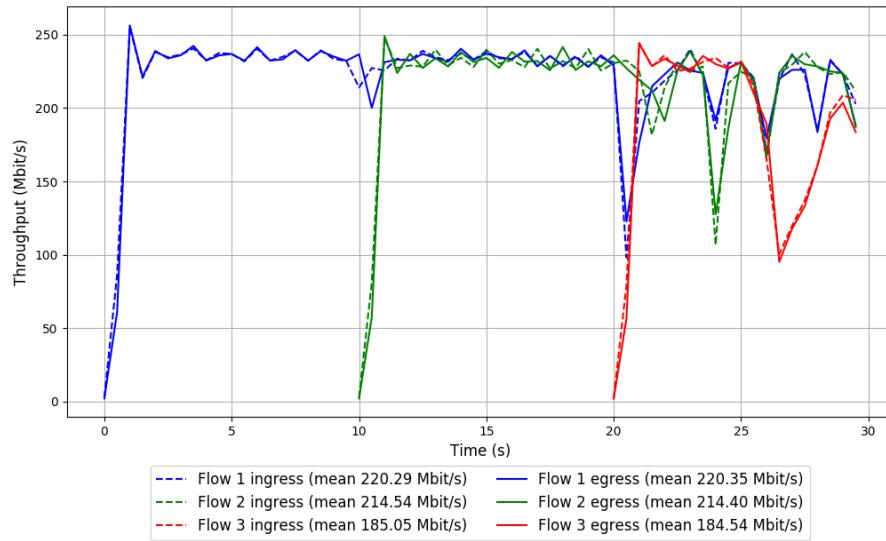
Run 10: Statistics of TCP BBR

Start at: 2017-12-01 04:09:24

End at: 2017-12-01 04:09:54

```
# Below is generated by plot.py at 2017-12-01 06:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 423.59 Mbit/s
95th percentile per-packet one-way delay: 56.992 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 220.35 Mbit/s
95th percentile per-packet one-way delay: 55.114 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 214.40 Mbit/s
95th percentile per-packet one-way delay: 56.930 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 184.54 Mbit/s
95th percentile per-packet one-way delay: 60.439 ms
Loss rate: 1.30%
```

## Run 10: Report of TCP BBR — Data Link

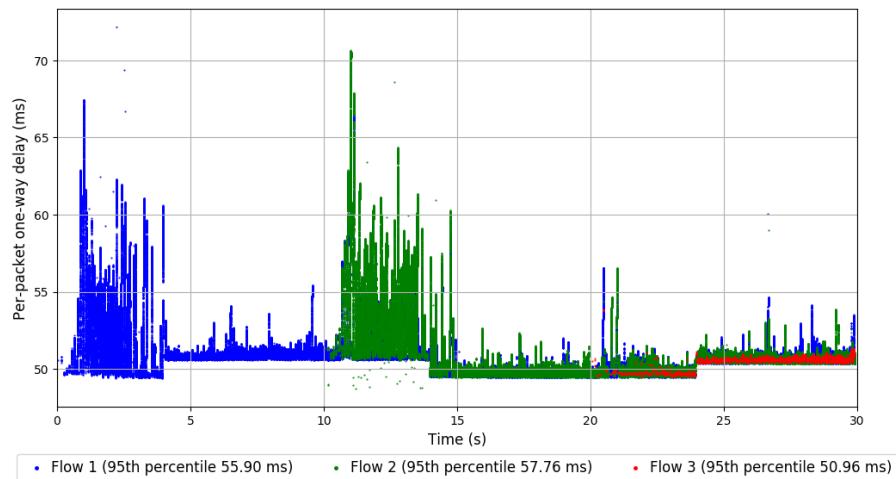
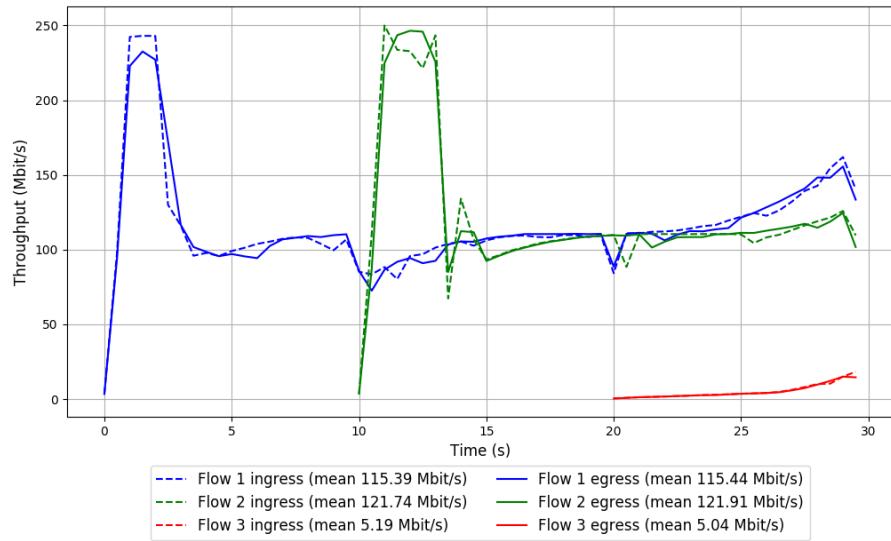


```
Run 1: Statistics of TCP Cubic

Start at: 2017-12-01 02:22:14
End at: 2017-12-01 02:22:44

# Below is generated by plot.py at 2017-12-01 06:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.12 Mbit/s
95th percentile per-packet one-way delay: 56.945 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 115.44 Mbit/s
95th percentile per-packet one-way delay: 55.896 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 121.91 Mbit/s
95th percentile per-packet one-way delay: 57.759 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 50.956 ms
Loss rate: 4.04%
```

Run 1: Report of TCP Cubic — Data Link



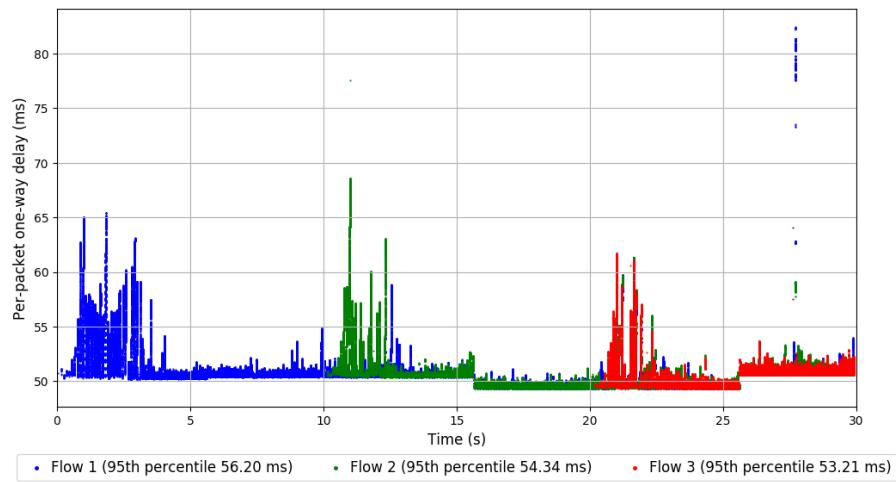
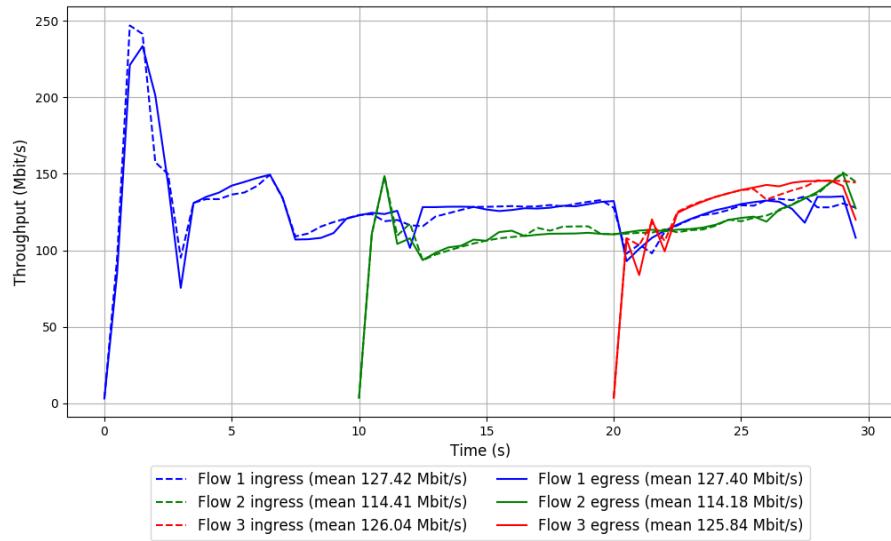
```
Run 2: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 02:34:52
```

```
End at: 2017-12-01 02:35:22
```

```
# Below is generated by plot.py at 2017-12-01 06:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 244.76 Mbit/s
95th percentile per-packet one-way delay: 55.603 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 127.40 Mbit/s
95th percentile per-packet one-way delay: 56.197 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 114.18 Mbit/s
95th percentile per-packet one-way delay: 54.339 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 125.84 Mbit/s
95th percentile per-packet one-way delay: 53.209 ms
Loss rate: 1.16%
```

## Run 2: Report of TCP Cubic — Data Link



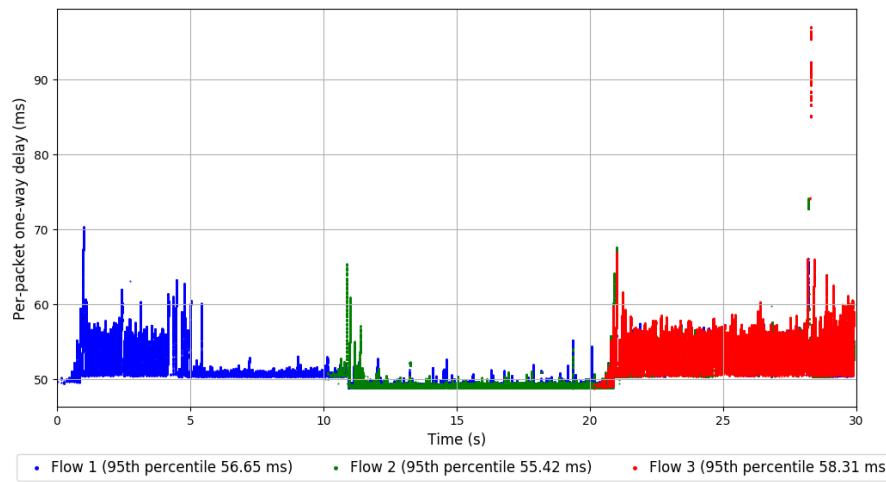
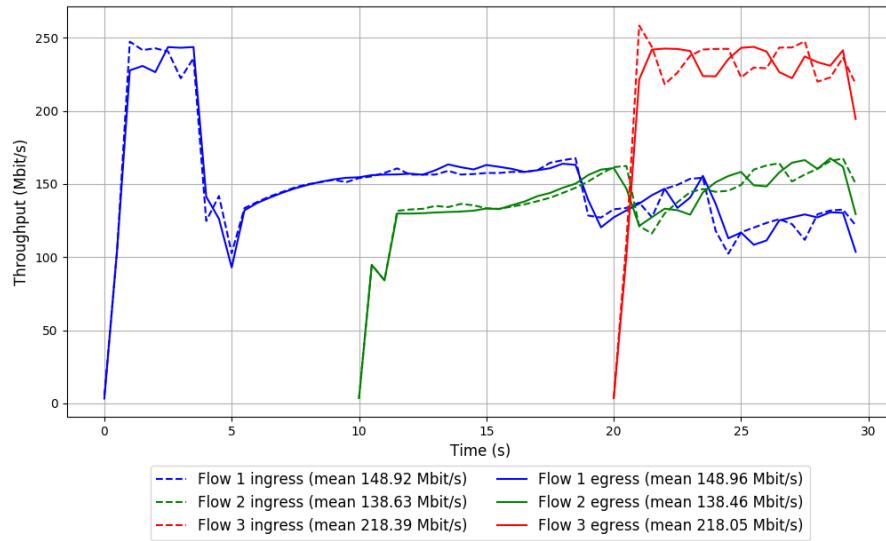
```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 02:47:27
```

```
End at: 2017-12-01 02:47:57
```

```
# Below is generated by plot.py at 2017-12-01 06:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.86 Mbit/s
95th percentile per-packet one-way delay: 57.137 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 148.96 Mbit/s
95th percentile per-packet one-way delay: 56.646 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 138.46 Mbit/s
95th percentile per-packet one-way delay: 55.421 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 218.05 Mbit/s
95th percentile per-packet one-way delay: 58.311 ms
Loss rate: 1.11%
```

### Run 3: Report of TCP Cubic — Data Link



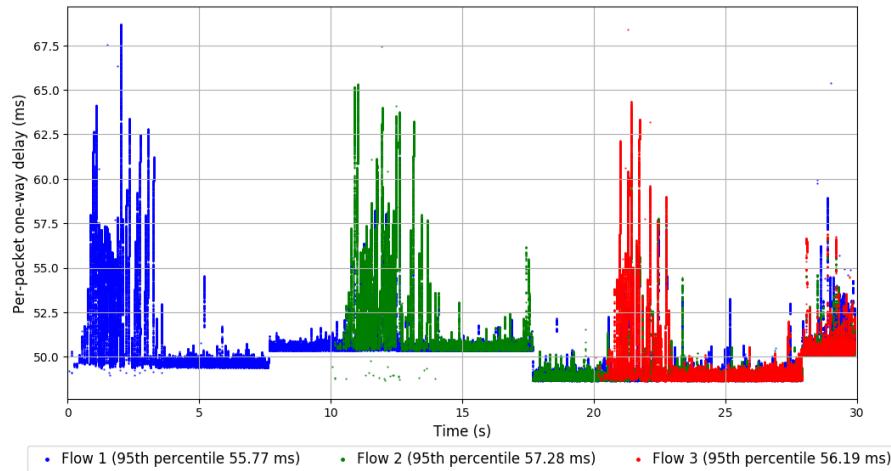
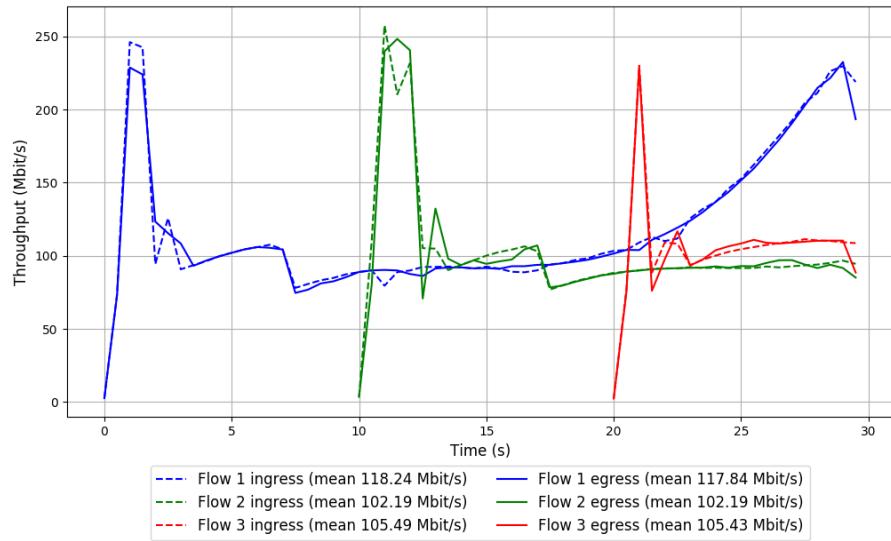
```
Run 4: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 03:00:10
```

```
End at: 2017-12-01 03:00:40
```

```
# Below is generated by plot.py at 2017-12-01 06:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 220.48 Mbit/s
95th percentile per-packet one-way delay: 56.387 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 117.84 Mbit/s
95th percentile per-packet one-way delay: 55.773 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 102.19 Mbit/s
95th percentile per-packet one-way delay: 57.283 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 105.43 Mbit/s
95th percentile per-packet one-way delay: 56.189 ms
Loss rate: 1.05%
```

### Run 4: Report of TCP Cubic — Data Link



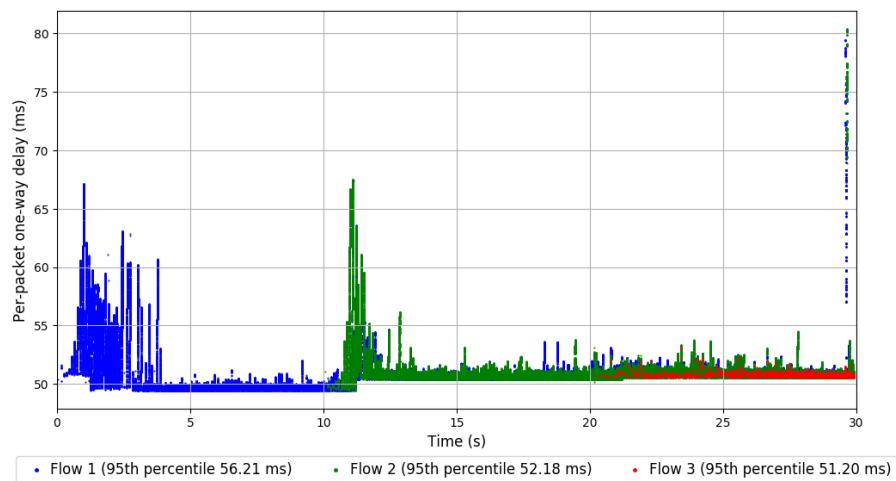
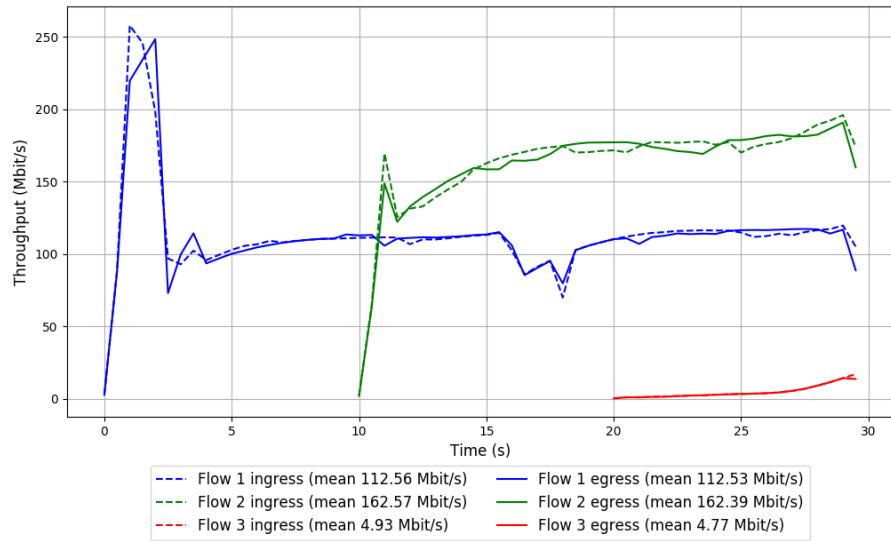
```
Run 5: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 03:12:47
```

```
End at: 2017-12-01 03:13:17
```

```
# Below is generated by plot.py at 2017-12-01 06:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.04 Mbit/s
95th percentile per-packet one-way delay: 54.661 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 112.53 Mbit/s
95th percentile per-packet one-way delay: 56.207 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 162.39 Mbit/s
95th percentile per-packet one-way delay: 52.180 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 51.204 ms
Loss rate: 4.10%
```

### Run 5: Report of TCP Cubic — Data Link



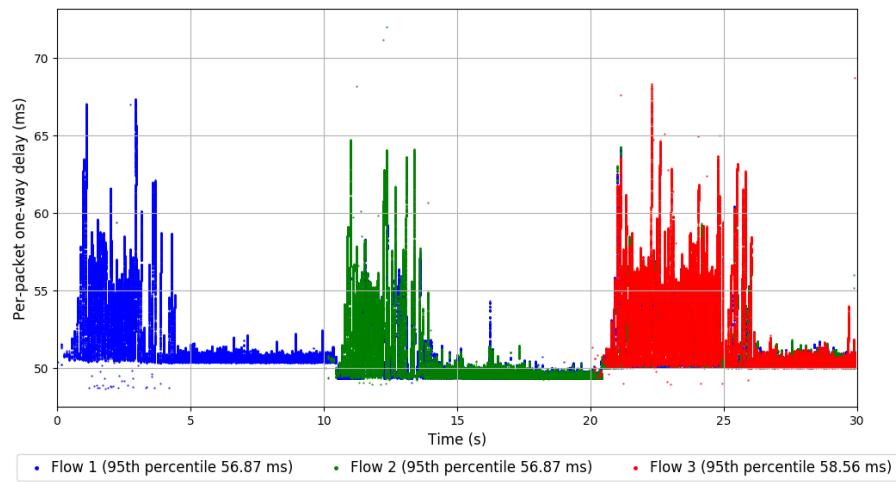
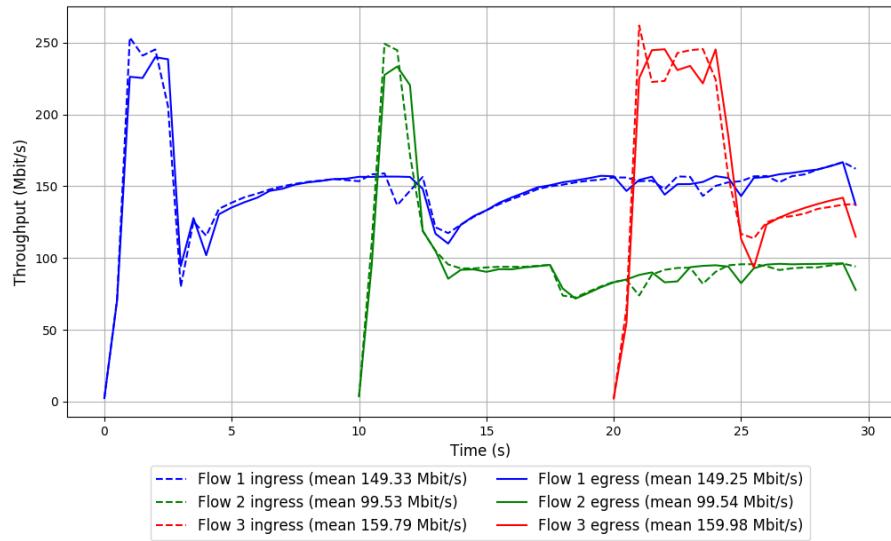
```
Run 6: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 03:25:17
```

```
End at: 2017-12-01 03:25:47
```

```
# Below is generated by plot.py at 2017-12-01 06:43:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 268.09 Mbit/s
95th percentile per-packet one-way delay: 57.455 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 149.25 Mbit/s
95th percentile per-packet one-way delay: 56.869 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 56.870 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 159.98 Mbit/s
95th percentile per-packet one-way delay: 58.564 ms
Loss rate: 0.91%
```

Run 6: Report of TCP Cubic — Data Link



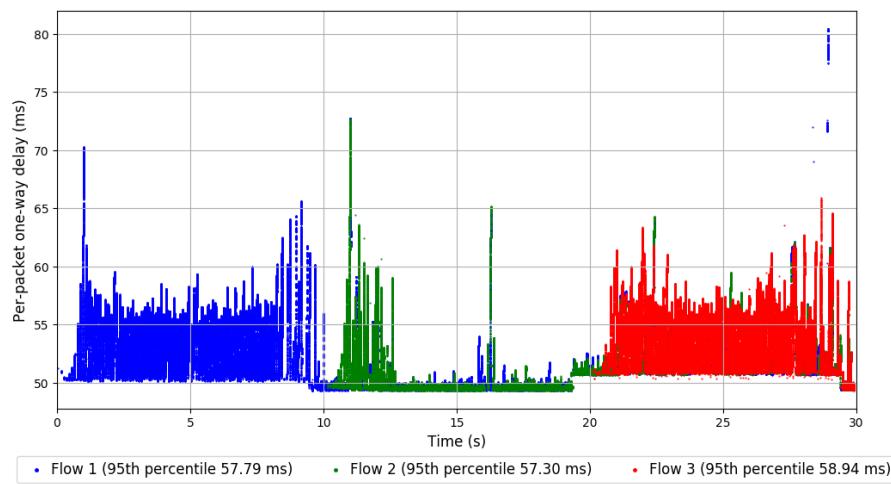
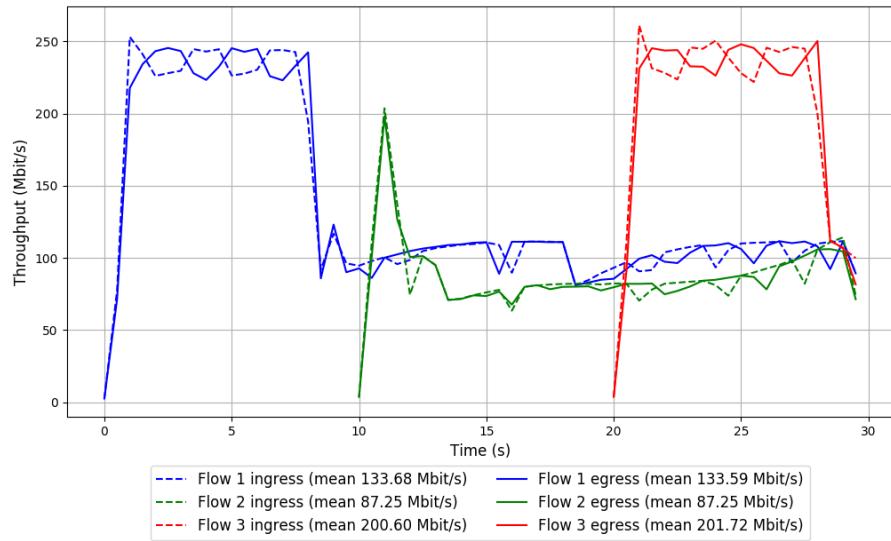
Run 7: Statistics of TCP Cubic

Start at: 2017-12-01 03:37:48

End at: 2017-12-01 03:38:18

```
# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 258.02 Mbit/s
95th percentile per-packet one-way delay: 58.221 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 133.59 Mbit/s
95th percentile per-packet one-way delay: 57.791 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 57.304 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 201.72 Mbit/s
95th percentile per-packet one-way delay: 58.936 ms
Loss rate: 0.46%
```

Run 7: Report of TCP Cubic — Data Link



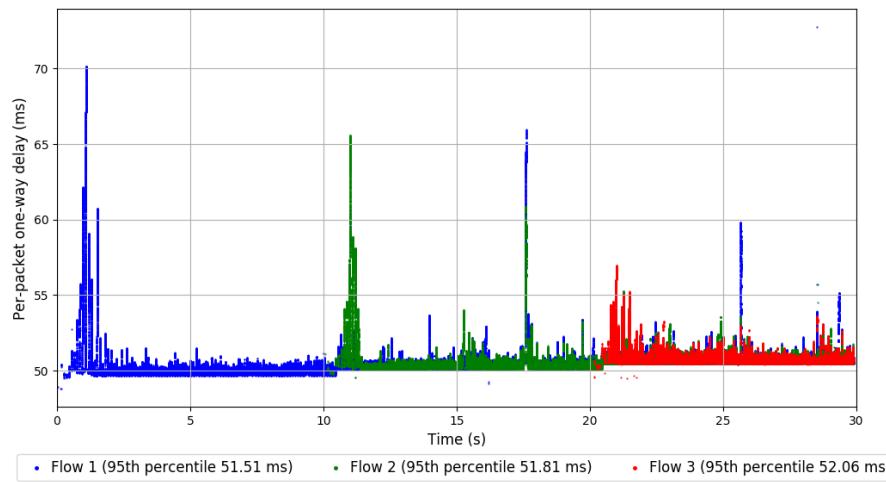
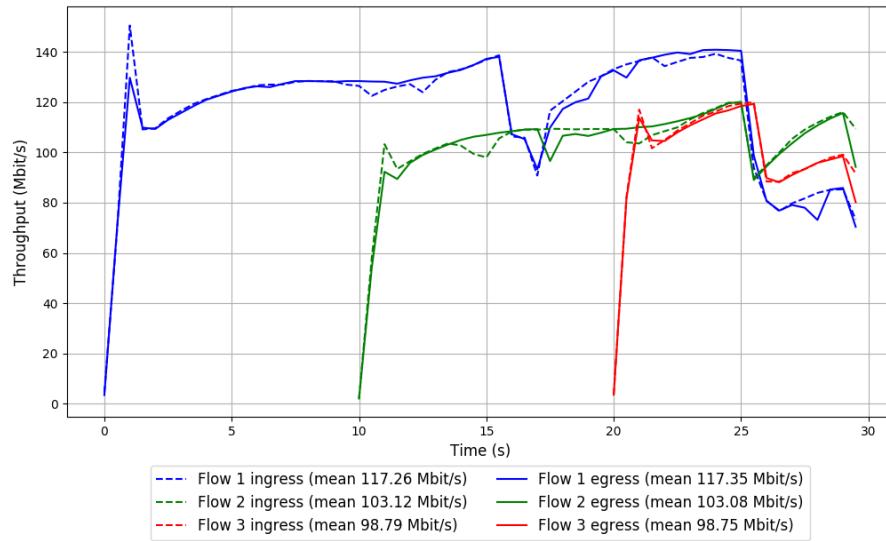
```
Run 8: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 03:50:17
```

```
End at: 2017-12-01 03:50:47
```

```
# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 218.38 Mbit/s
95th percentile per-packet one-way delay: 51.707 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 117.35 Mbit/s
95th percentile per-packet one-way delay: 51.507 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 103.08 Mbit/s
95th percentile per-packet one-way delay: 51.809 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 98.75 Mbit/s
95th percentile per-packet one-way delay: 52.060 ms
Loss rate: 1.04%
```

Run 8: Report of TCP Cubic — Data Link

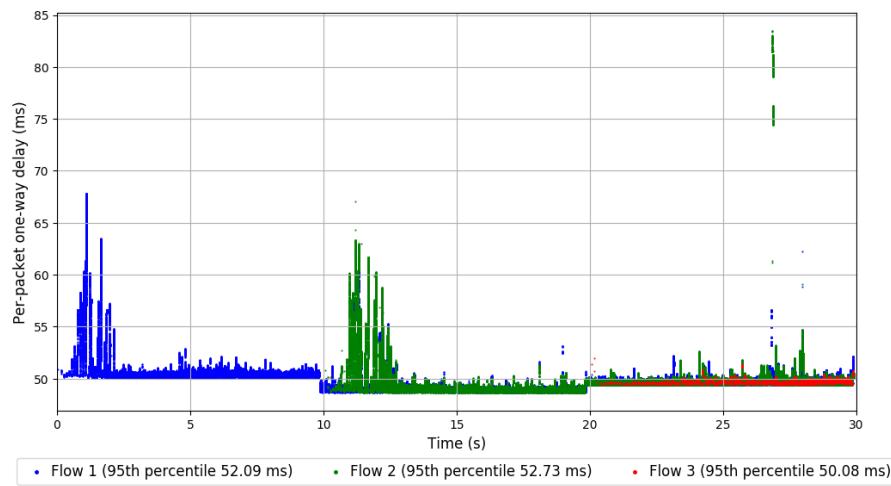
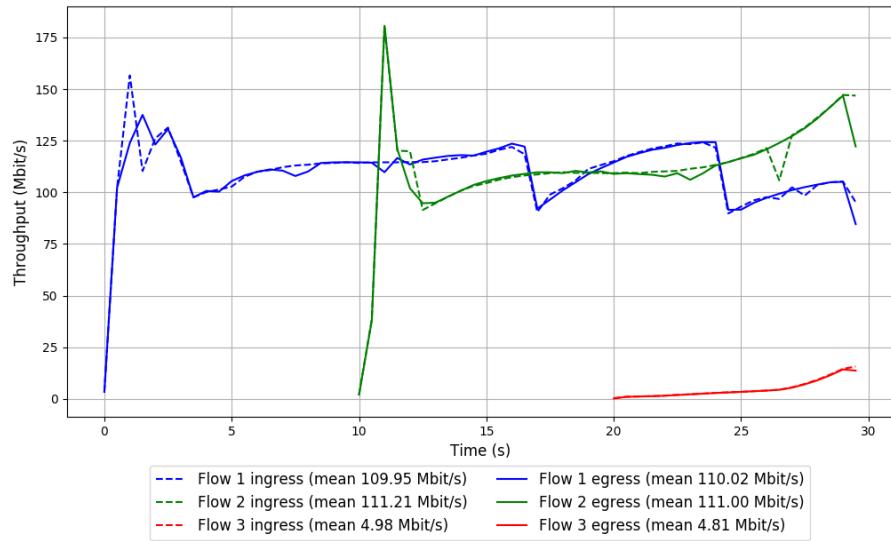


```
Run 9: Statistics of TCP Cubic

Start at: 2017-12-01 04:02:58
End at: 2017-12-01 04:03:28

# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 185.24 Mbit/s
95th percentile per-packet one-way delay: 52.323 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 110.02 Mbit/s
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 111.00 Mbit/s
95th percentile per-packet one-way delay: 52.729 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 50.082 ms
Loss rate: 4.04%
```

### Run 9: Report of TCP Cubic — Data Link



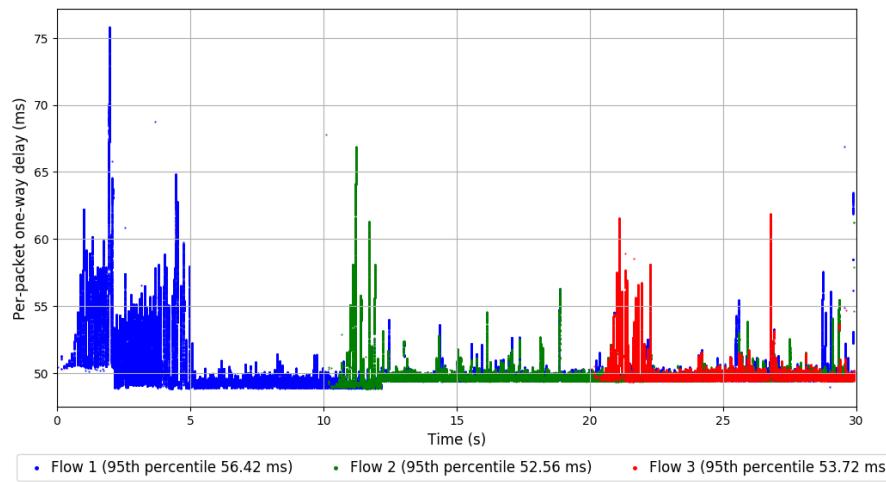
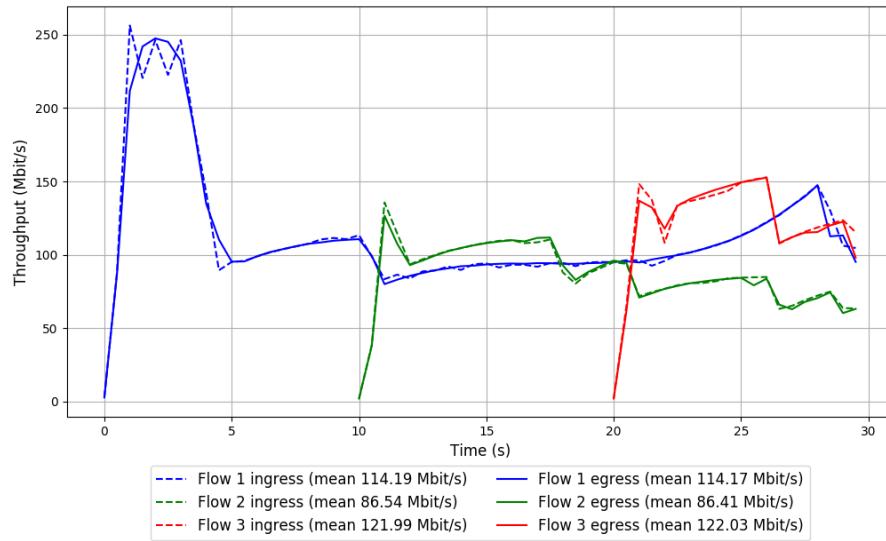
Run 10: Statistics of TCP Cubic

Start at: 2017-12-01 04:15:36

End at: 2017-12-01 04:16:06

```
# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.65 Mbit/s
95th percentile per-packet one-way delay: 55.354 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 114.17 Mbit/s
95th percentile per-packet one-way delay: 56.423 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 52.562 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 122.03 Mbit/s
95th percentile per-packet one-way delay: 53.721 ms
Loss rate: 0.97%
```

Run 10: Report of TCP Cubic — Data Link

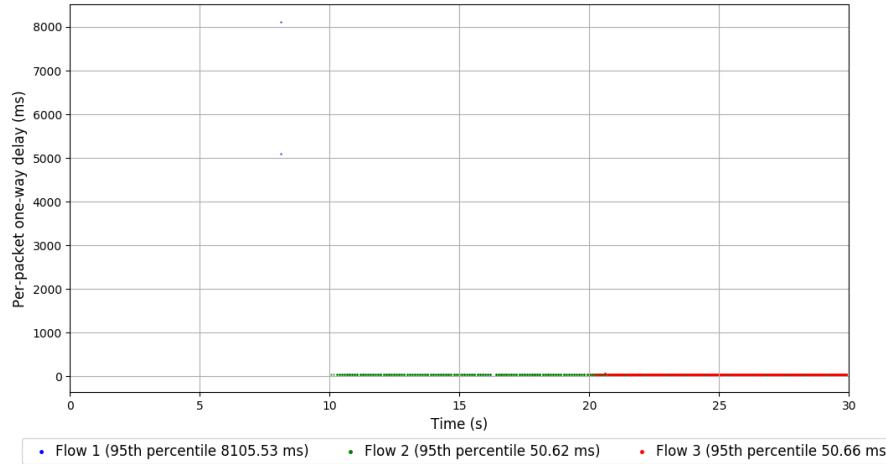
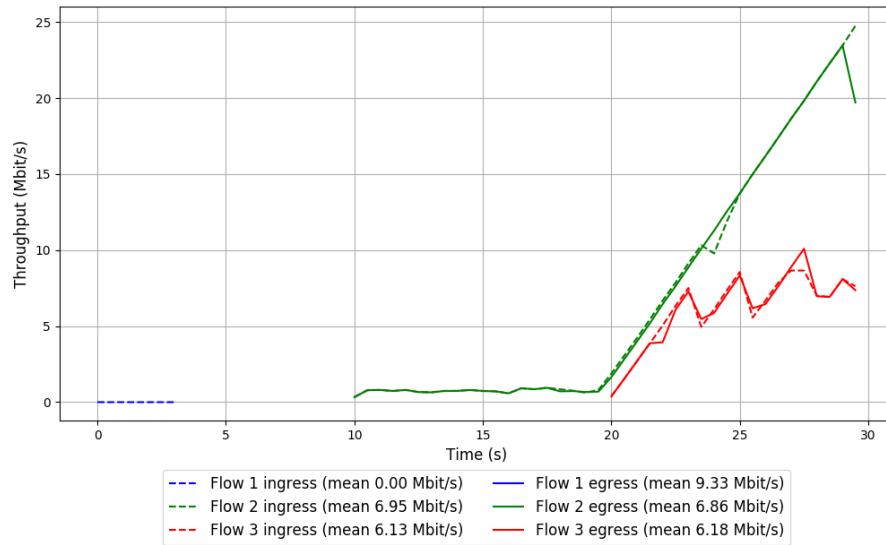


Run 1: Statistics of LEDBAT

Start at: 2017-12-01 02:26:48

End at: 2017-12-01 02:27:18

## Run 1: Report of LEDBAT — Data Link

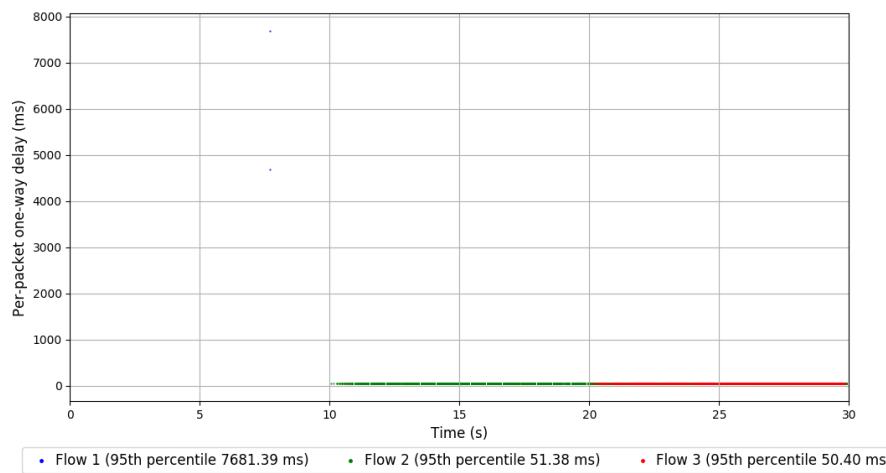
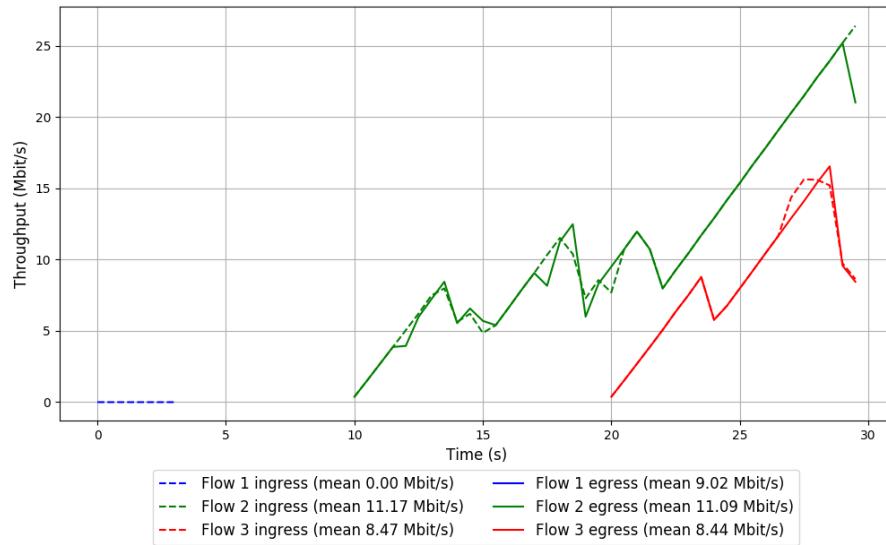


Run 2: Statistics of LEDBAT

Start at: 2017-12-01 02:39:26

End at: 2017-12-01 02:39:56

## Run 2: Report of LEDBAT — Data Link



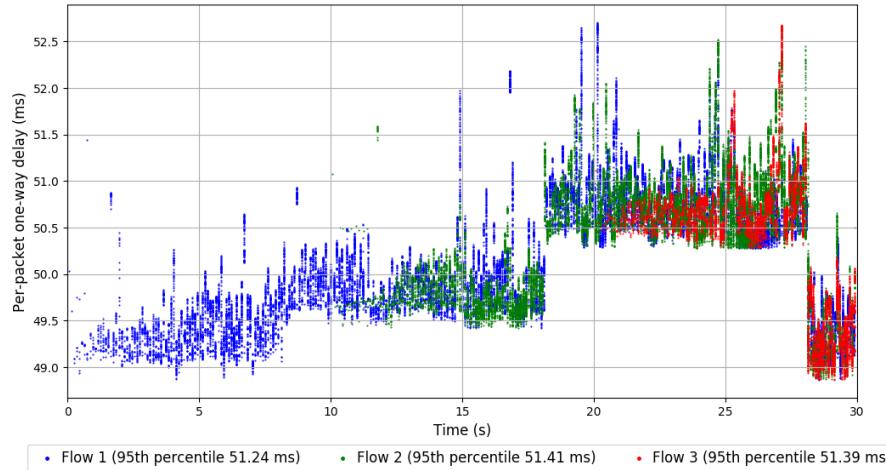
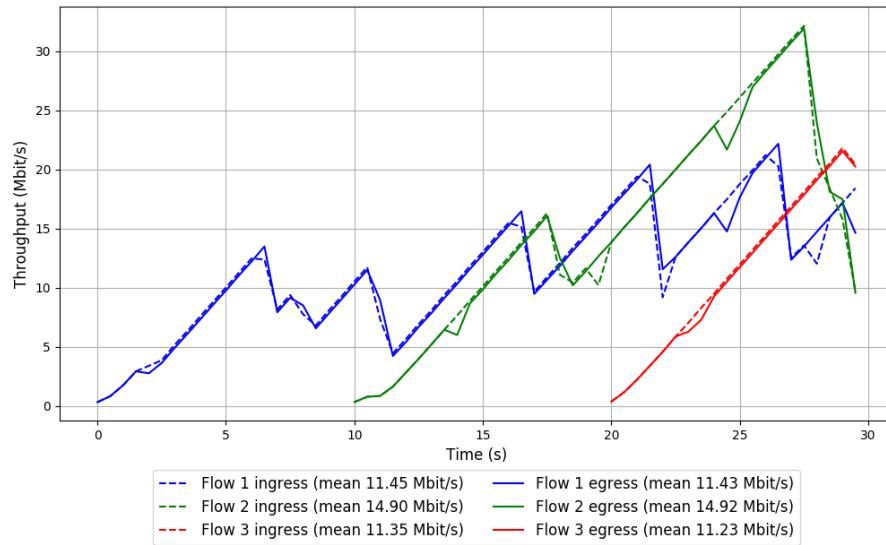
```
Run 3: Statistics of LEDBAT
```

```
Start at: 2017-12-01 02:52:10
```

```
End at: 2017-12-01 02:52:40
```

```
# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 51.333 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 51.239 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 51.386 ms
Loss rate: 2.06%
```

Run 3: Report of LEDBAT — Data Link

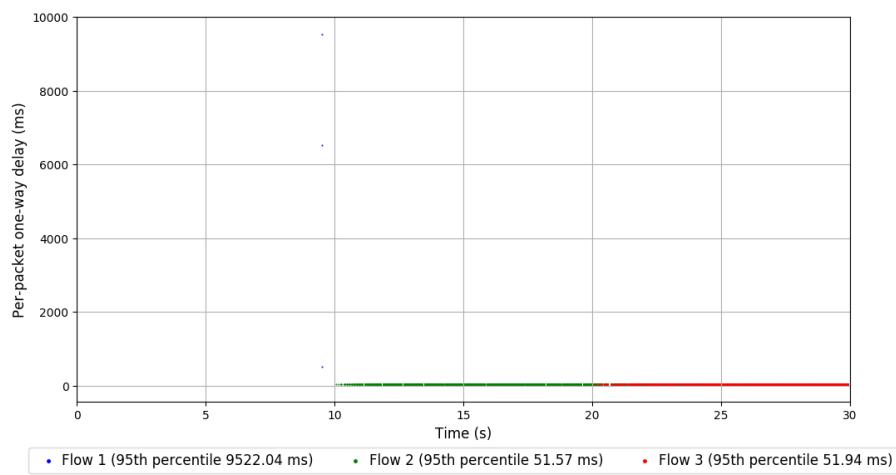
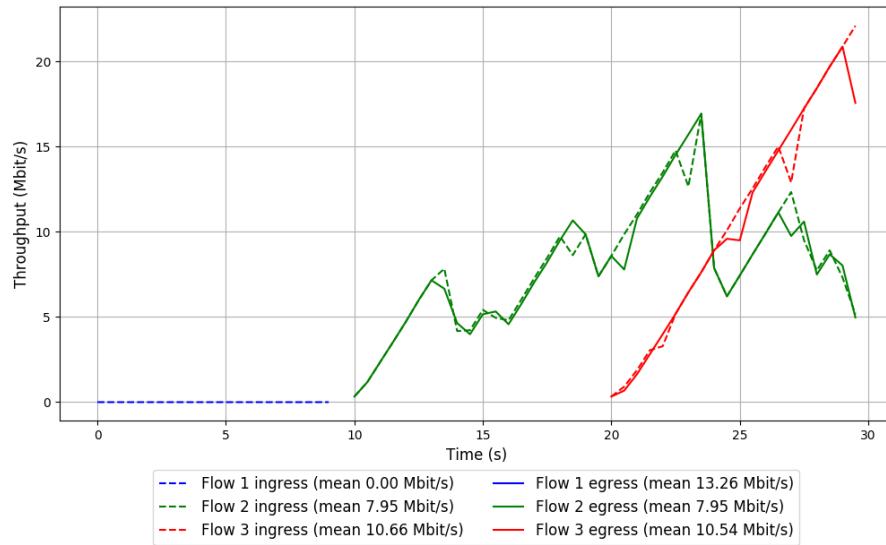


Run 4: Statistics of LEDBAT

Start at: 2017-12-01 03:04:44

End at: 2017-12-01 03:05:14

Run 4: Report of LEDBAT — Data Link

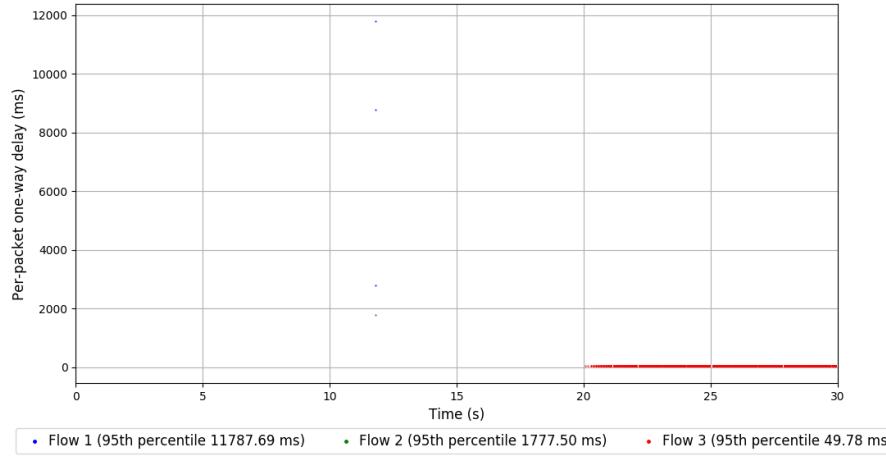
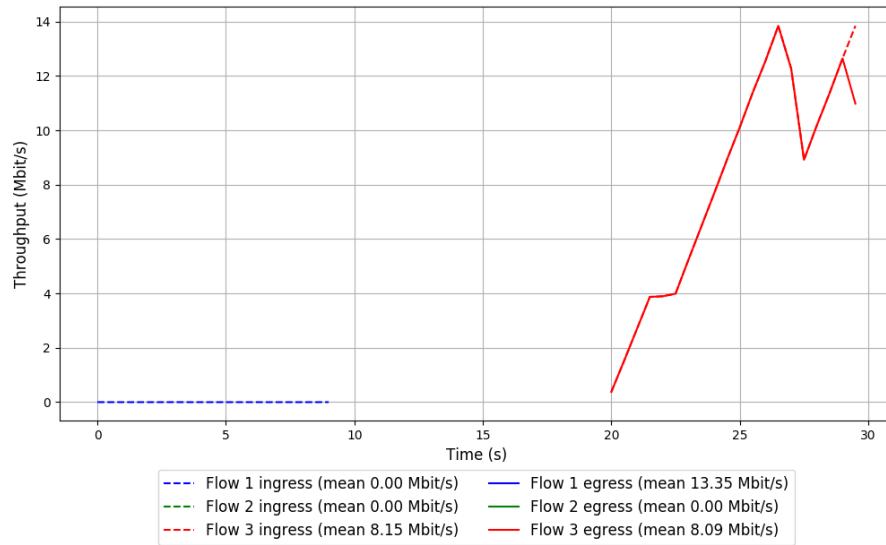


Run 5: Statistics of LEDBAT

Start at: 2017-12-01 03:17:17

End at: 2017-12-01 03:17:47

## Run 5: Report of LEDBAT — Data Link



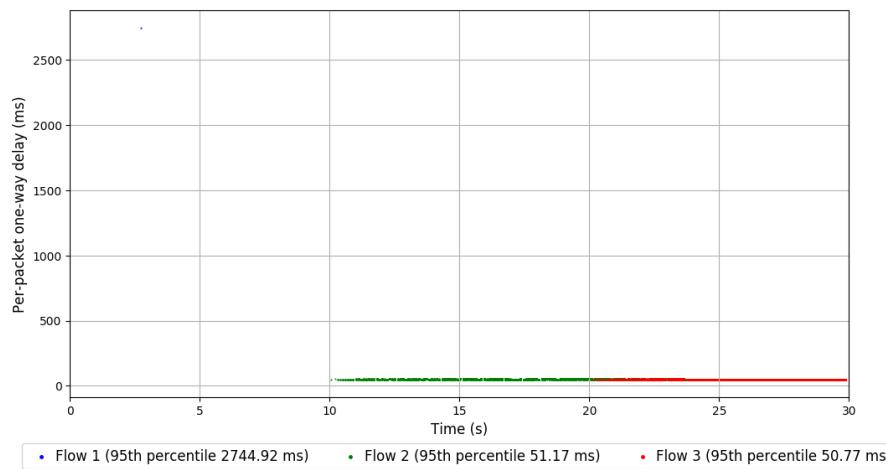
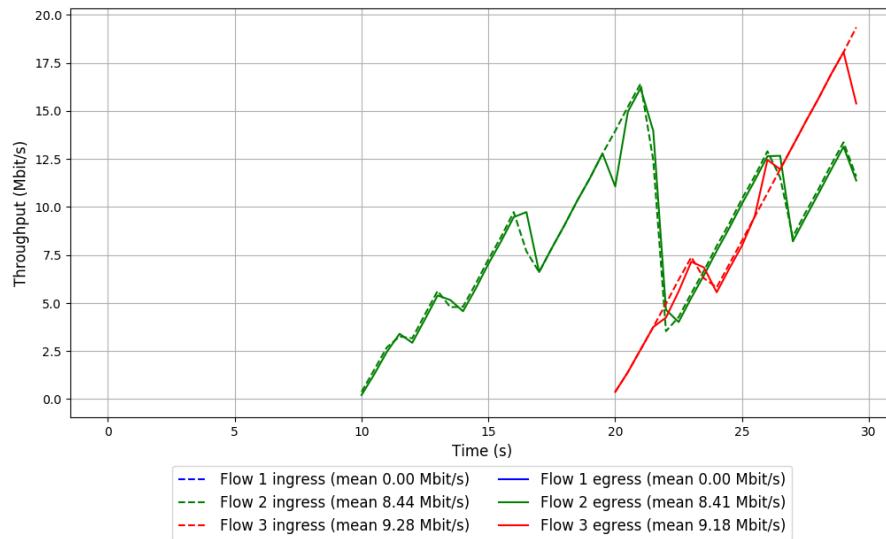
Run 6: Statistics of LEDBAT

Start at: 2017-12-01 03:29:54

End at: 2017-12-01 03:30:24

```
# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 51.078 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2744.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 51.168 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 50.768 ms
Loss rate: 2.16%
```

## Run 6: Report of LEDBAT — Data Link

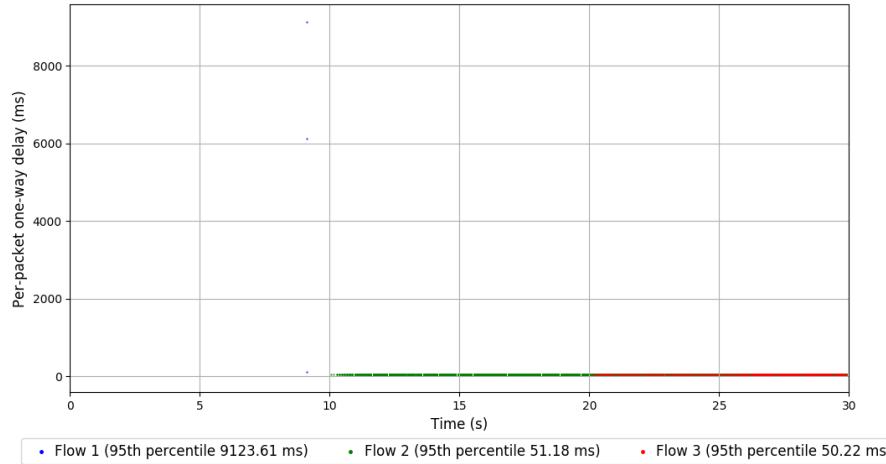
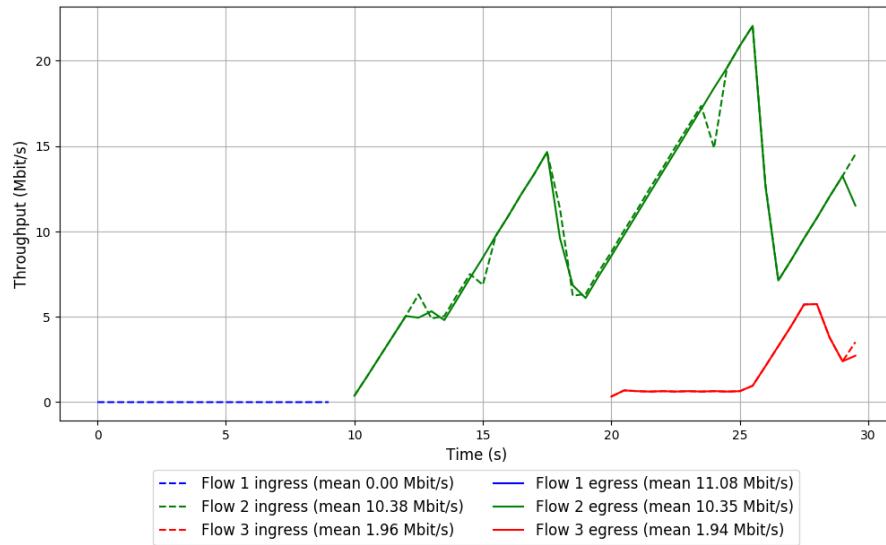


Run 7: Statistics of LEDBAT

Start at: 2017-12-01 03:42:19

End at: 2017-12-01 03:42:49

Run 7: Report of LEDBAT — Data Link



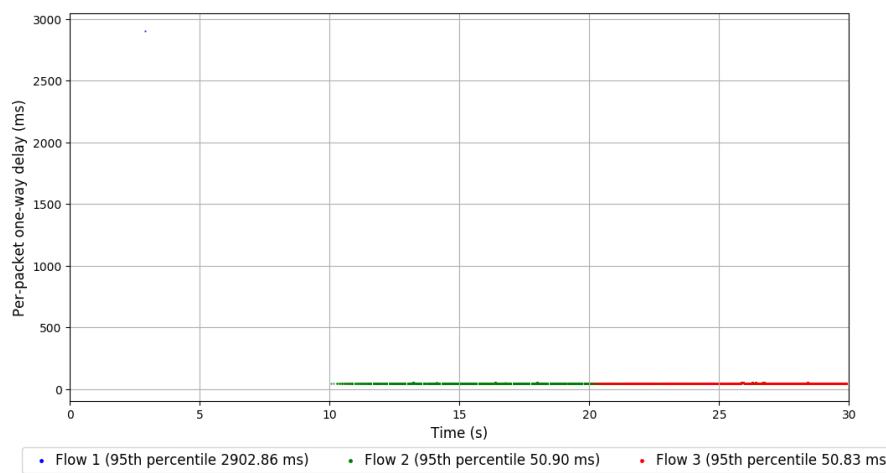
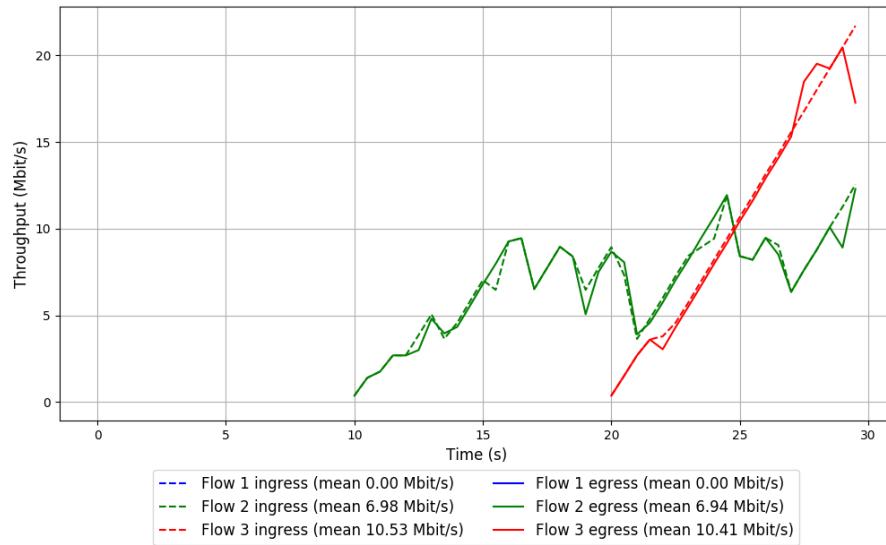
Run 8: Statistics of LEDBAT

Start at: 2017-12-01 03:54:57

End at: 2017-12-01 03:55:27

```
# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 50.895 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2902.856 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 2.12%
```

Run 8: Report of LEDBAT — Data Link



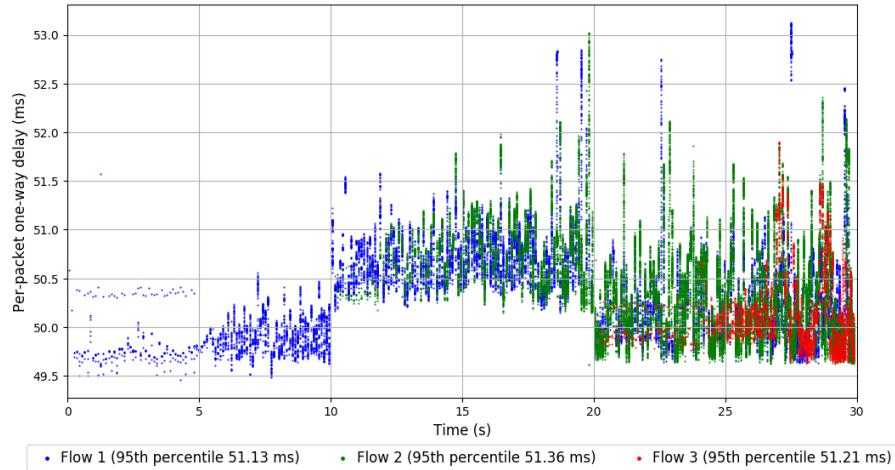
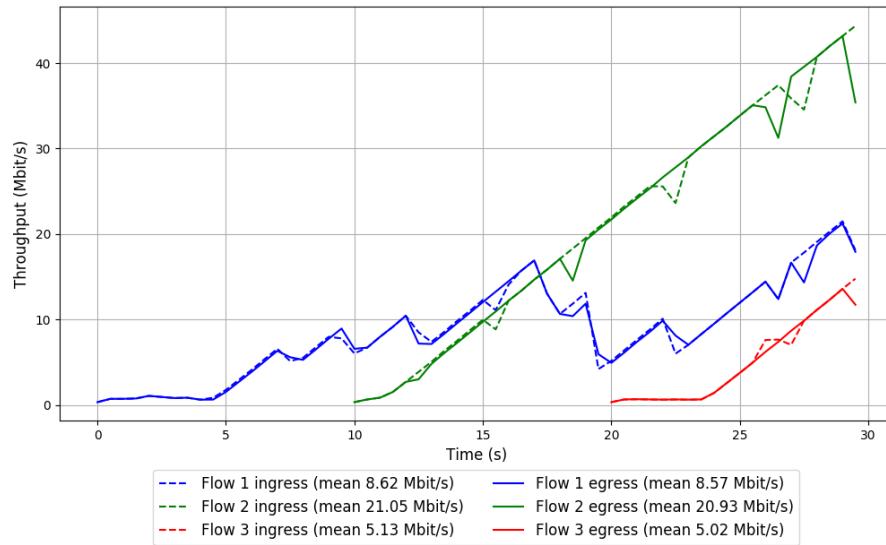
Run 9: Statistics of LEDBAT

Start at: 2017-12-01 04:07:38

End at: 2017-12-01 04:08:08

```
# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 51.268 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 51.131 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 51.210 ms
Loss rate: 3.01%
```

Run 9: Report of LEDBAT — Data Link

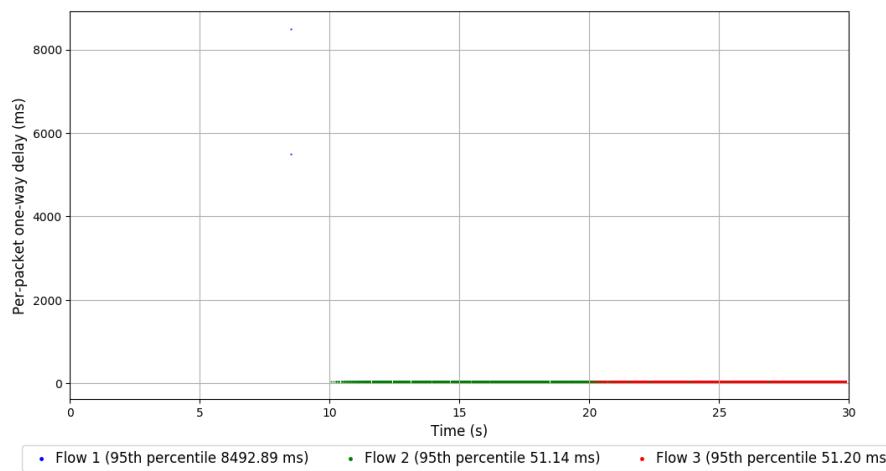
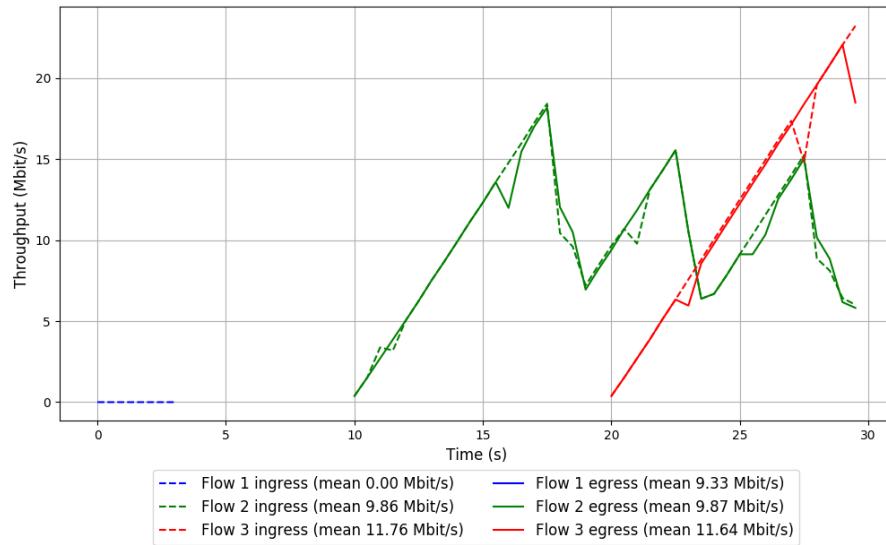


Run 10: Statistics of LEDBAT

Start at: 2017-12-01 04:20:09

End at: 2017-12-01 04:20:39

Run 10: Report of LEDBAT — Data Link

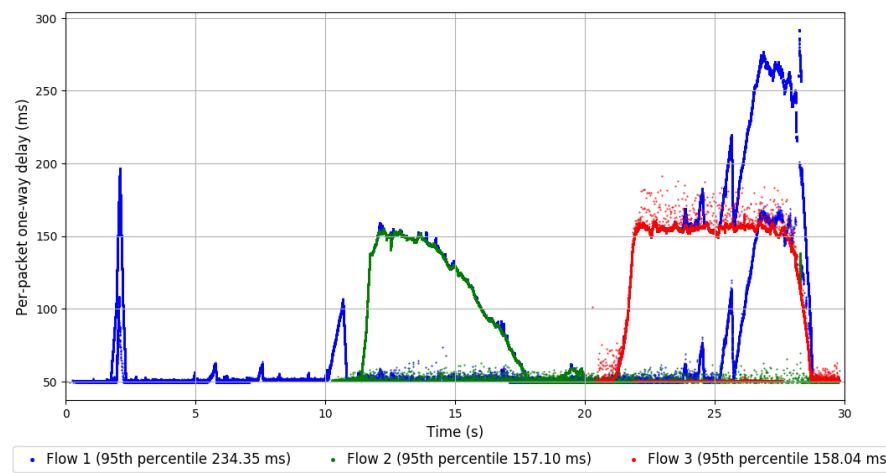
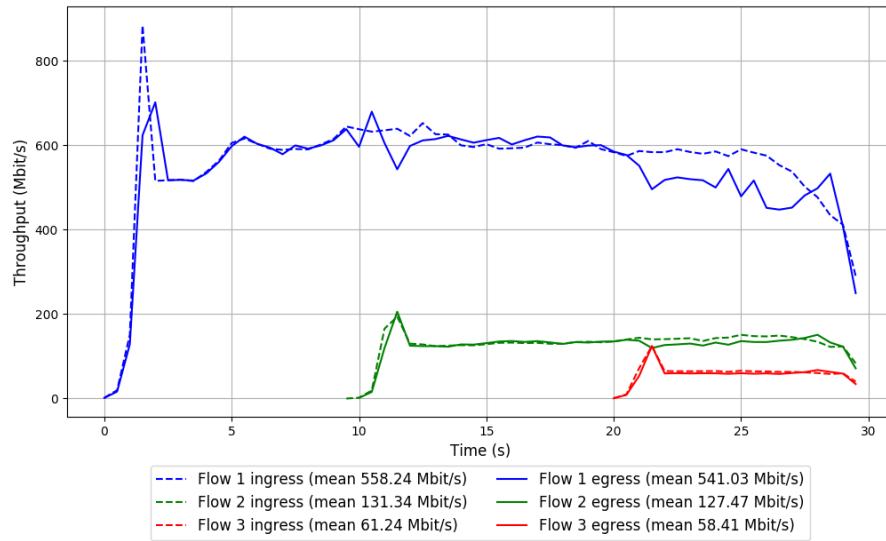


```
Run 1: Statistics of PCC

Start at: 2017-12-01 02:24:11
End at: 2017-12-01 02:24:41

# Below is generated by plot.py at 2017-12-01 06:53:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 644.55 Mbit/s
95th percentile per-packet one-way delay: 211.107 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 541.03 Mbit/s
95th percentile per-packet one-way delay: 234.349 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 127.47 Mbit/s
95th percentile per-packet one-way delay: 157.099 ms
Loss rate: 3.40%
-- Flow 3:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 158.036 ms
Loss rate: 5.65%
```

## Run 1: Report of PCC — Data Link



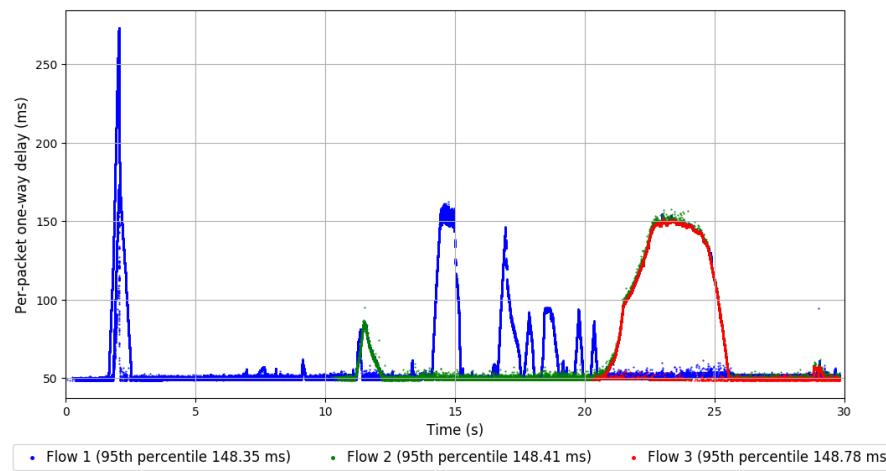
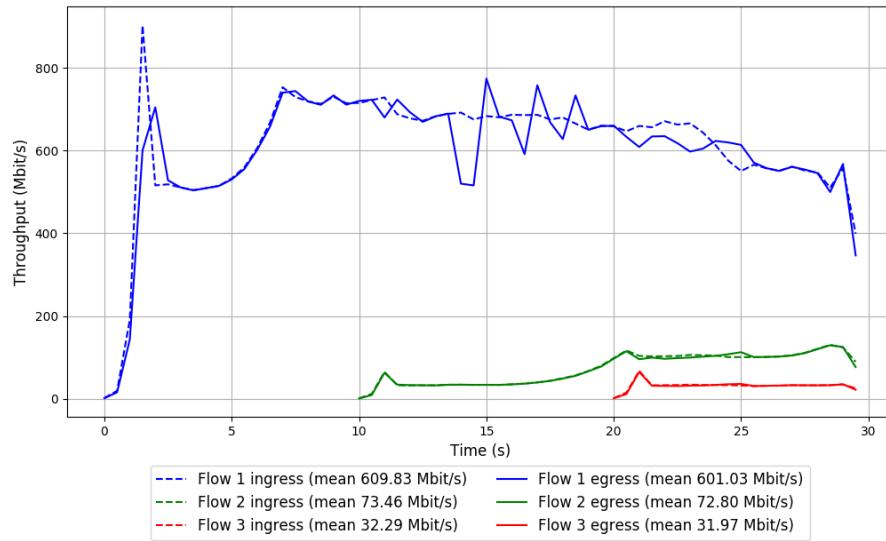
Run 2: Statistics of PCC

Start at: 2017-12-01 02:36:54

End at: 2017-12-01 02:37:24

```
# Below is generated by plot.py at 2017-12-01 06:53:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.77 Mbit/s
95th percentile per-packet one-way delay: 148.380 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 601.03 Mbit/s
95th percentile per-packet one-way delay: 148.354 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 72.80 Mbit/s
95th percentile per-packet one-way delay: 148.415 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 148.781 ms
Loss rate: 2.00%
```

## Run 2: Report of PCC — Data Link



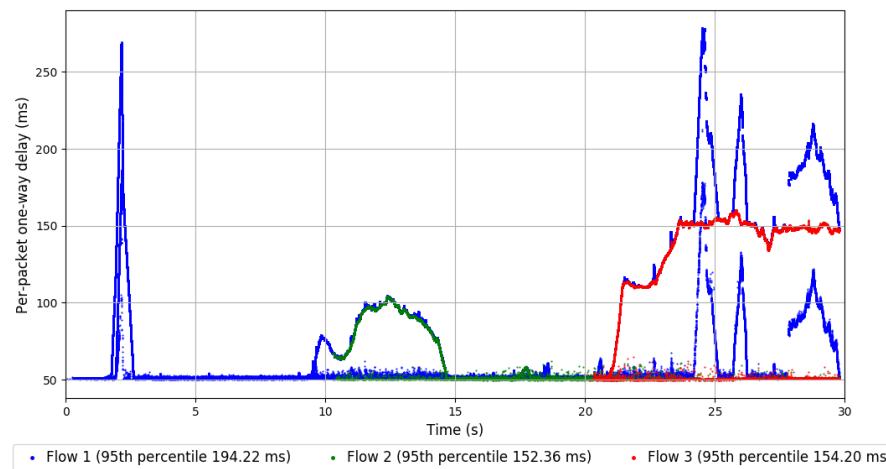
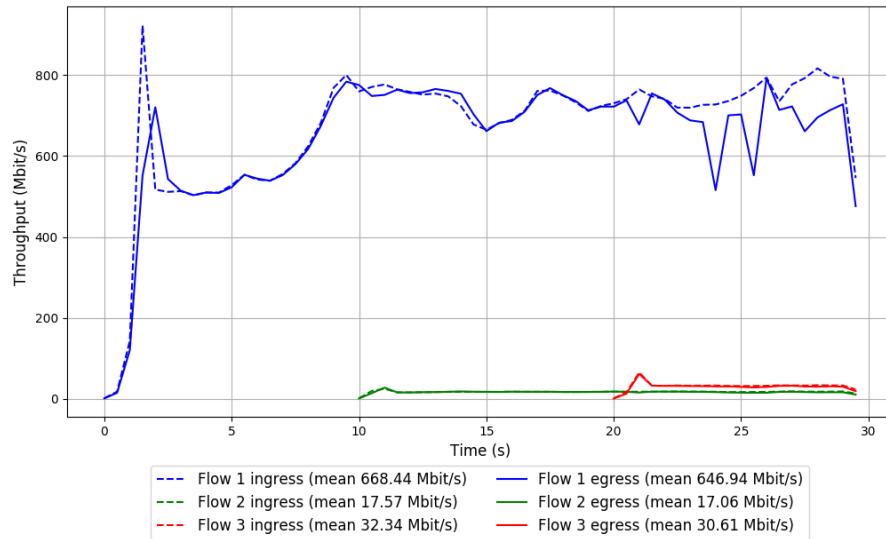
Run 3: Statistics of PCC

Start at: 2017-12-01 02:49:32

End at: 2017-12-01 02:50:02

```
# Below is generated by plot.py at 2017-12-01 06:54:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 668.25 Mbit/s
95th percentile per-packet one-way delay: 193.655 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 646.94 Mbit/s
95th percentile per-packet one-way delay: 194.215 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 152.356 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 154.197 ms
Loss rate: 6.34%
```

### Run 3: Report of PCC — Data Link



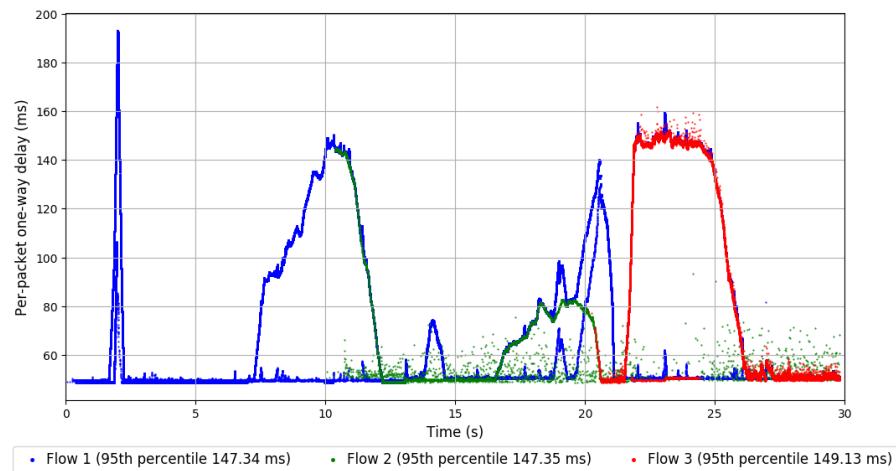
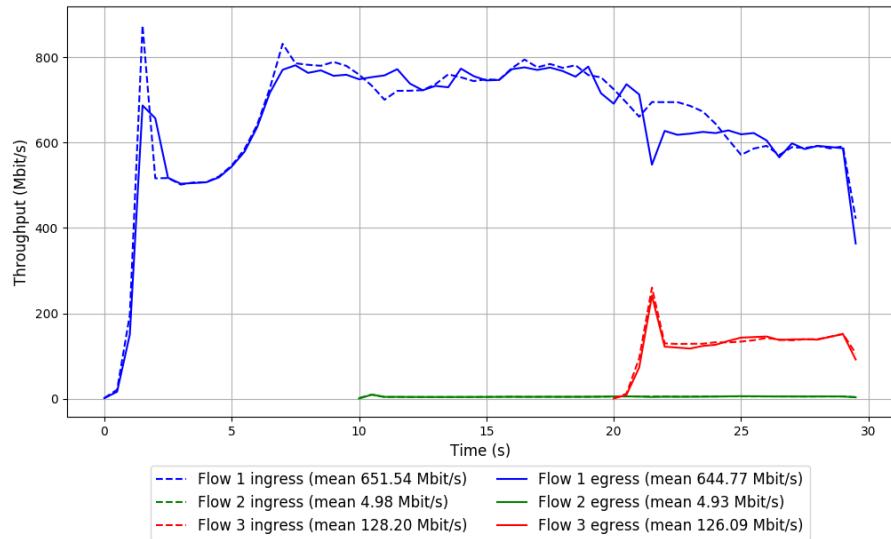
Run 4: Statistics of PCC

Start at: 2017-12-01 03:02:05

End at: 2017-12-01 03:02:35

```
# Below is generated by plot.py at 2017-12-01 06:54:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 689.15 Mbit/s
95th percentile per-packet one-way delay: 147.490 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 644.77 Mbit/s
95th percentile per-packet one-way delay: 147.340 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 4.93 Mbit/s
95th percentile per-packet one-way delay: 147.354 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 126.09 Mbit/s
95th percentile per-packet one-way delay: 149.126 ms
Loss rate: 2.94%
```

## Run 4: Report of PCC — Data Link



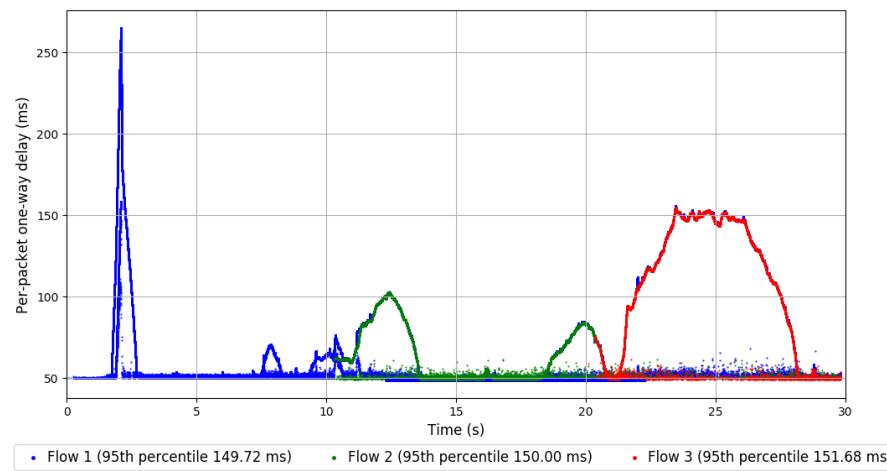
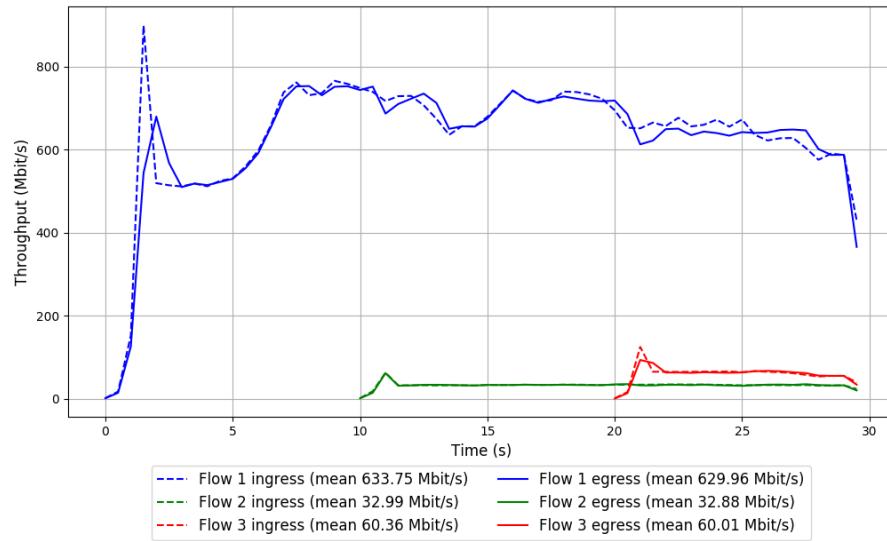
Run 5: Statistics of PCC

Start at: 2017-12-01 03:14:45

End at: 2017-12-01 03:15:15

```
# Below is generated by plot.py at 2017-12-01 06:54:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 671.28 Mbit/s
95th percentile per-packet one-way delay: 149.903 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 629.96 Mbit/s
95th percentile per-packet one-way delay: 149.717 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 150.001 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 151.676 ms
Loss rate: 1.65%
```

## Run 5: Report of PCC — Data Link



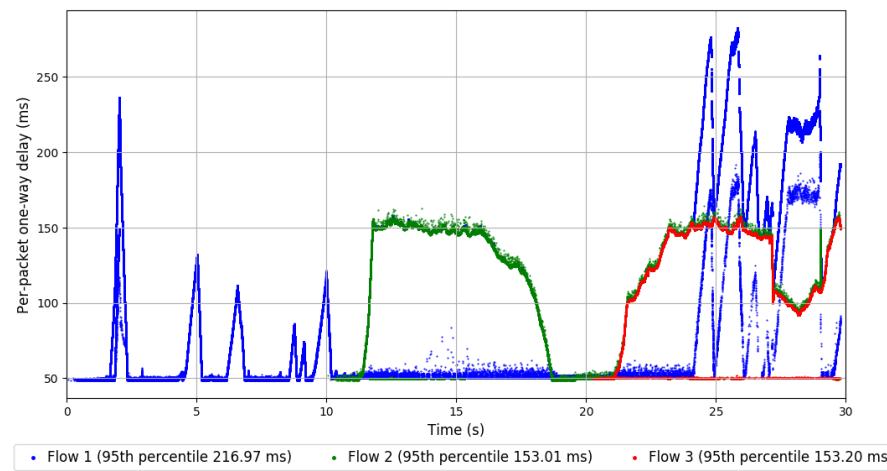
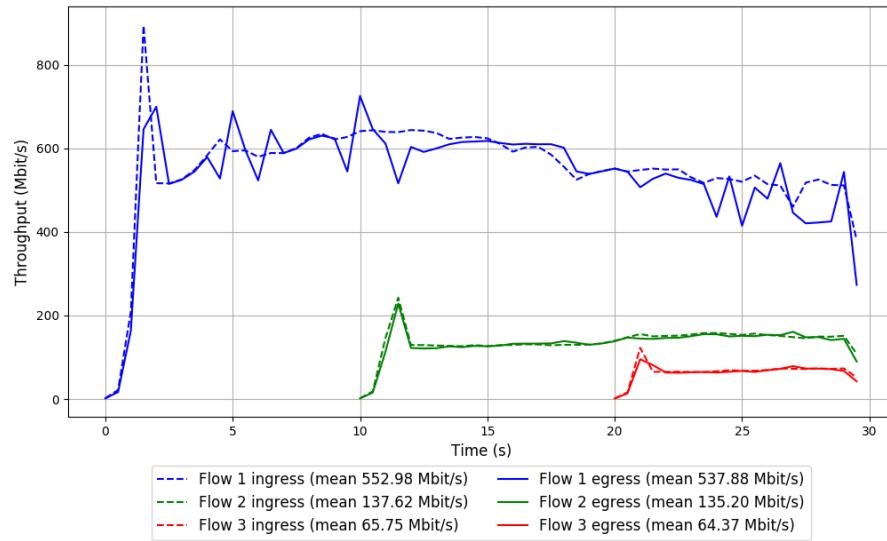
Run 6: Statistics of PCC

Start at: 2017-12-01 03:27:18

End at: 2017-12-01 03:27:48

```
# Below is generated by plot.py at 2017-12-01 06:54:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 648.63 Mbit/s
95th percentile per-packet one-way delay: 213.832 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 537.88 Mbit/s
95th percentile per-packet one-way delay: 216.975 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 135.20 Mbit/s
95th percentile per-packet one-way delay: 153.012 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 153.203 ms
Loss rate: 3.11%
```

## Run 6: Report of PCC — Data Link



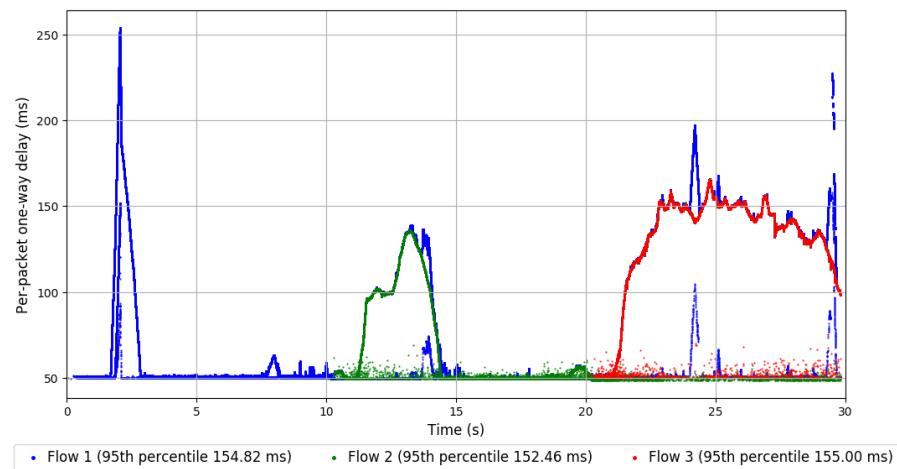
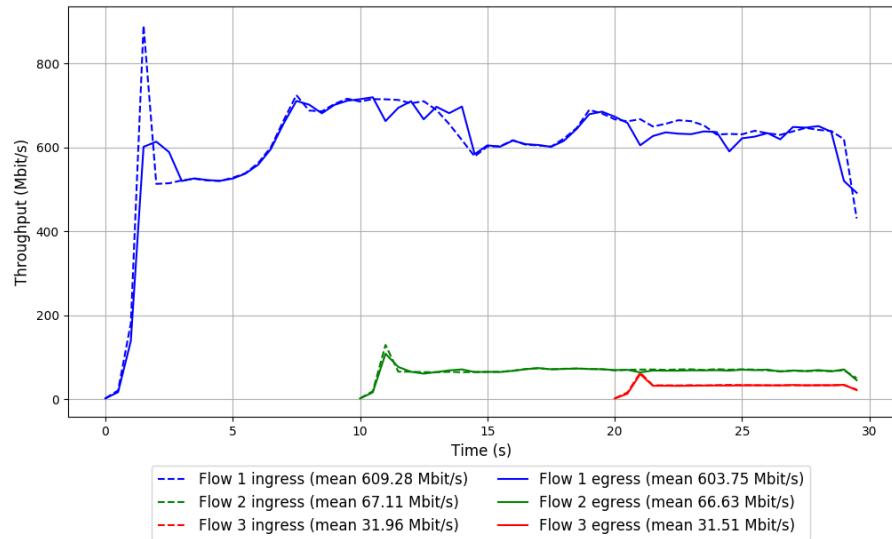
Run 7: Statistics of PCC

Start at: 2017-12-01 03:39:48

End at: 2017-12-01 03:40:18

```
# Below is generated by plot.py at 2017-12-01 06:54:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 658.21 Mbit/s
95th percentile per-packet one-way delay: 154.630 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 603.75 Mbit/s
95th percentile per-packet one-way delay: 154.822 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 152.455 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 154.997 ms
Loss rate: 2.42%
```

## Run 7: Report of PCC — Data Link



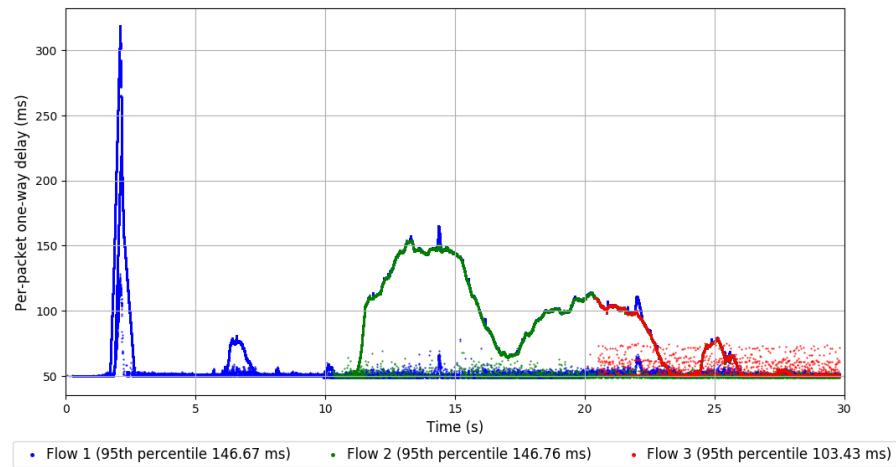
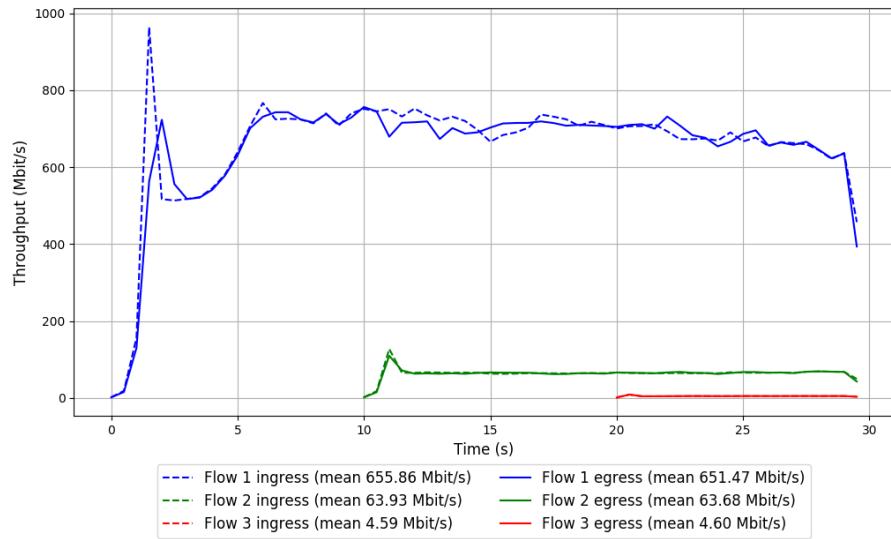
Run 8: Statistics of PCC

Start at: 2017-12-01 03:52:18

End at: 2017-12-01 03:52:48

```
# Below is generated by plot.py at 2017-12-01 06:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 695.17 Mbit/s
95th percentile per-packet one-way delay: 146.677 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 651.47 Mbit/s
95th percentile per-packet one-way delay: 146.674 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 146.763 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 103.434 ms
Loss rate: 0.98%
```

## Run 8: Report of PCC — Data Link



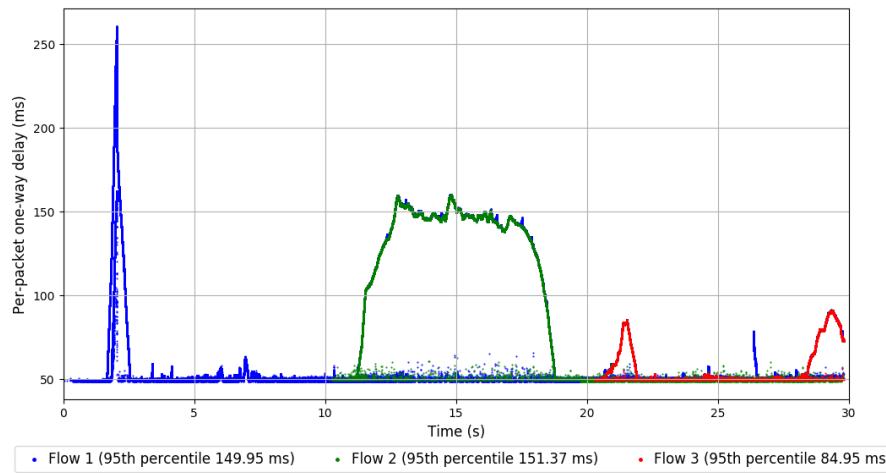
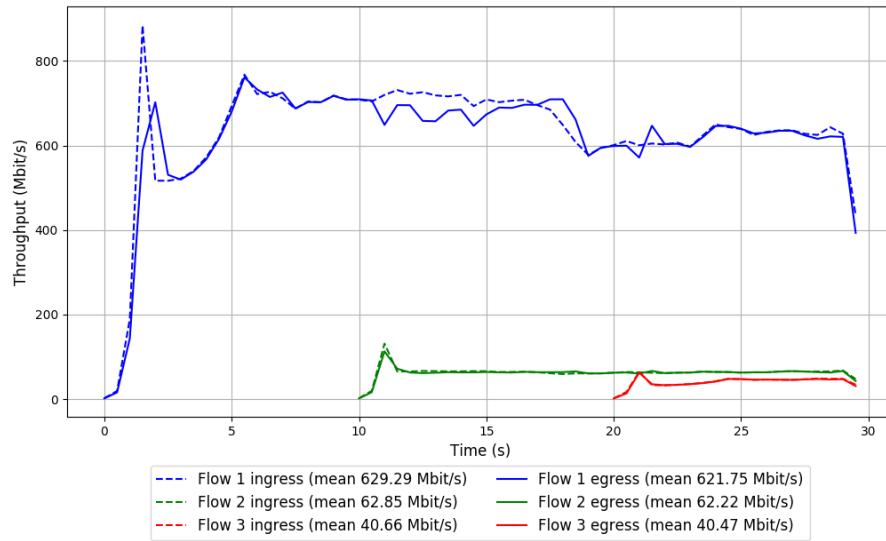
Run 9: Statistics of PCC

Start at: 2017-12-01 04:04:58

End at: 2017-12-01 04:05:28

```
# Below is generated by plot.py at 2017-12-01 07:04:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 676.25 Mbit/s
95th percentile per-packet one-way delay: 149.882 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 621.75 Mbit/s
95th percentile per-packet one-way delay: 149.946 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 62.22 Mbit/s
95th percentile per-packet one-way delay: 151.368 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 84.951 ms
Loss rate: 1.47%
```

Run 9: Report of PCC — Data Link



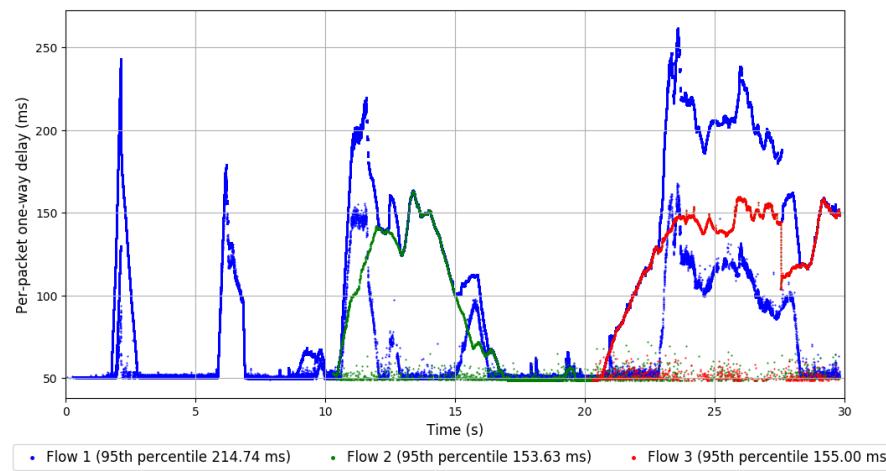
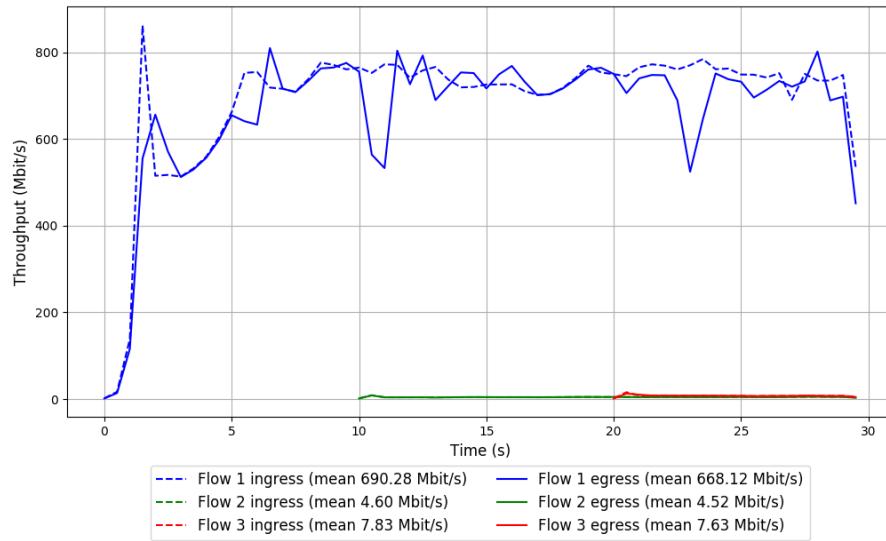
Run 10: Statistics of PCC

Start at: 2017-12-01 04:17:31

End at: 2017-12-01 04:18:01

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 673.62 Mbit/s
95th percentile per-packet one-way delay: 214.633 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 668.12 Mbit/s
95th percentile per-packet one-way delay: 214.735 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 153.627 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 154.996 ms
Loss rate: 3.54%
```

Run 10: Report of PCC — Data Link

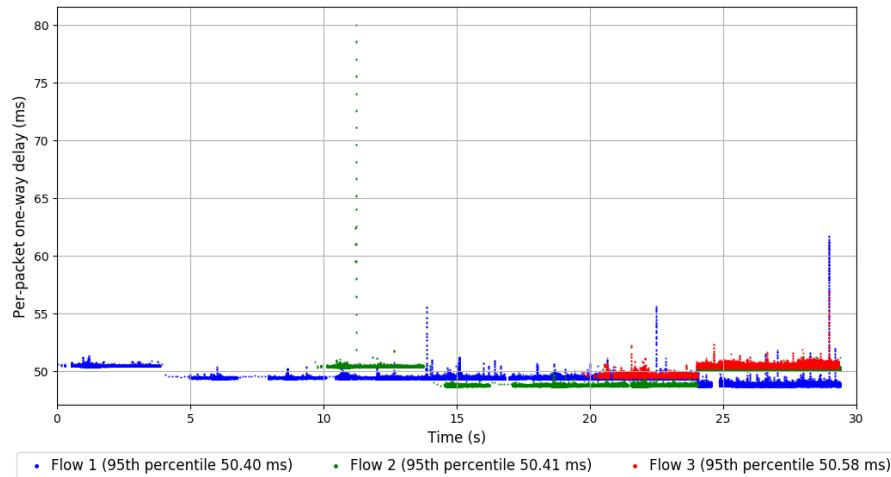
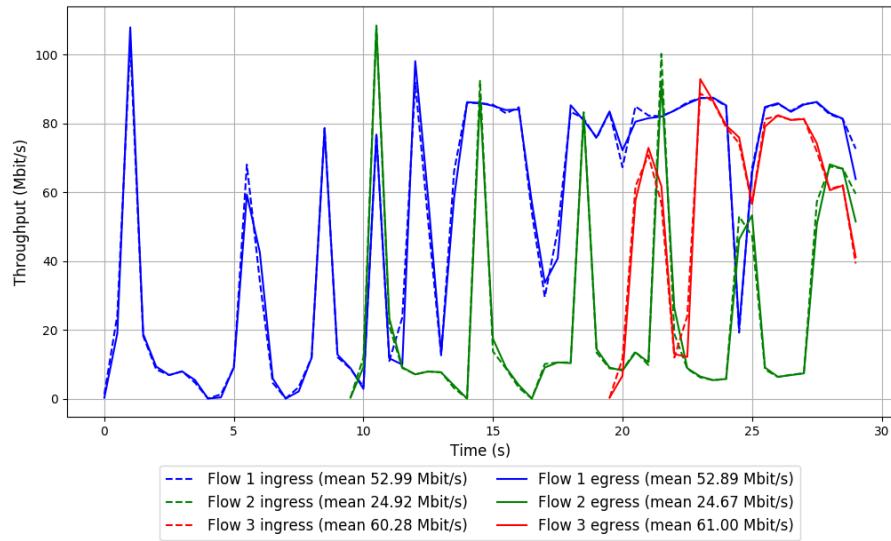


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-01 02:20:43
End at: 2017-12-01 02:21:13

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 50.447 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 50.399 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 50.576 ms
Loss rate: 0.37%
```

Run 1: Report of QUIC Cubic — Data Link



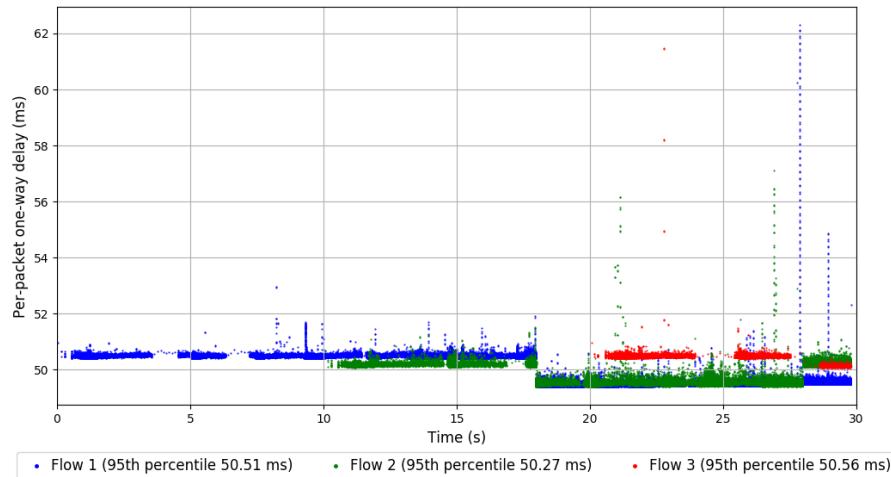
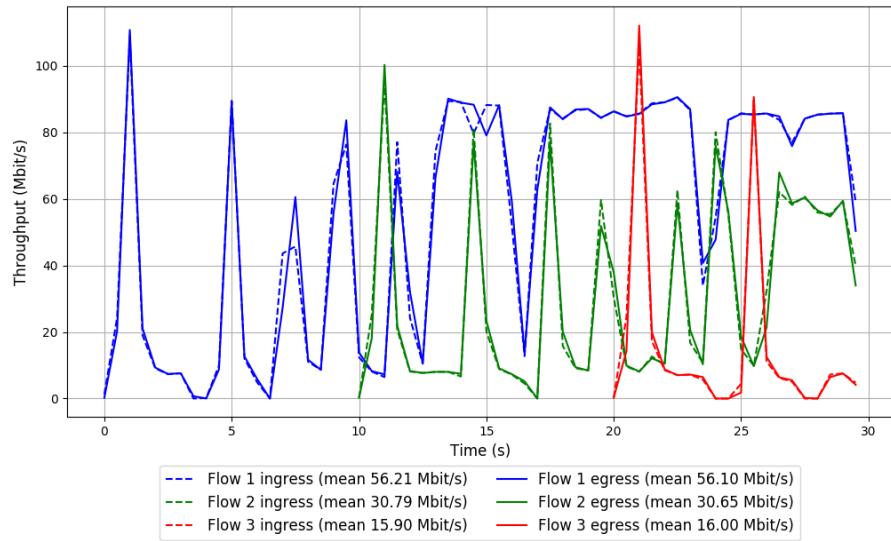
Run 2: Statistics of QUIC Cubic

Start at: 2017-12-01 02:33:20

End at: 2017-12-01 02:33:50

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 50.512 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 50.266 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.45%
```

## Run 2: Report of QUIC Cubic — Data Link



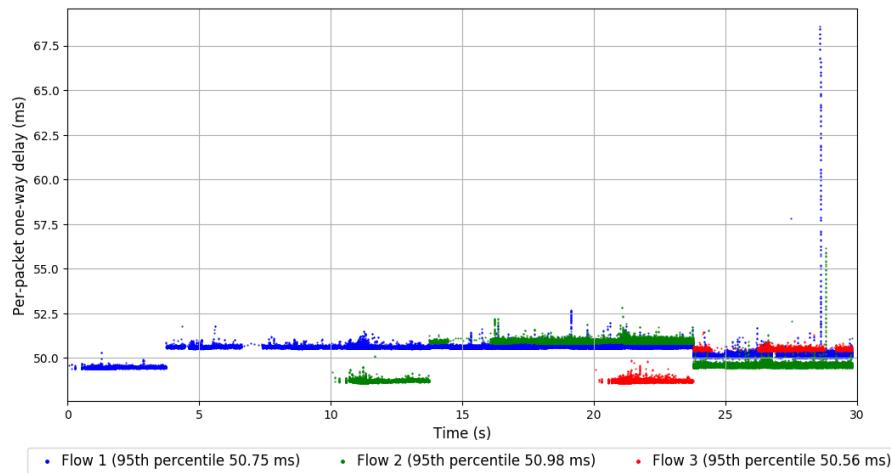
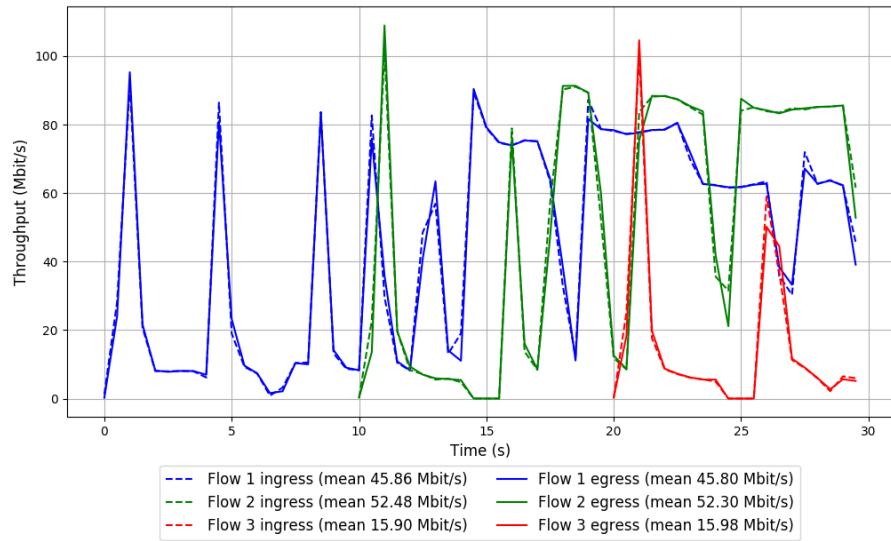
Run 3: Statistics of QUIC Cubic

Start at: 2017-12-01 02:45:54

End at: 2017-12-01 02:46:24

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 50.929 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 50.748 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 52.30 Mbit/s
95th percentile per-packet one-way delay: 50.981 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 50.563 ms
Loss rate: 0.52%
```

Run 3: Report of QUIC Cubic — Data Link



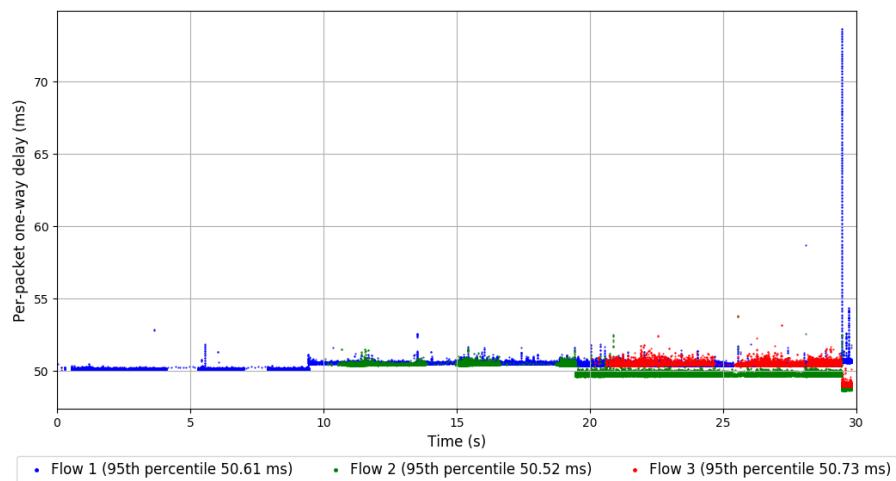
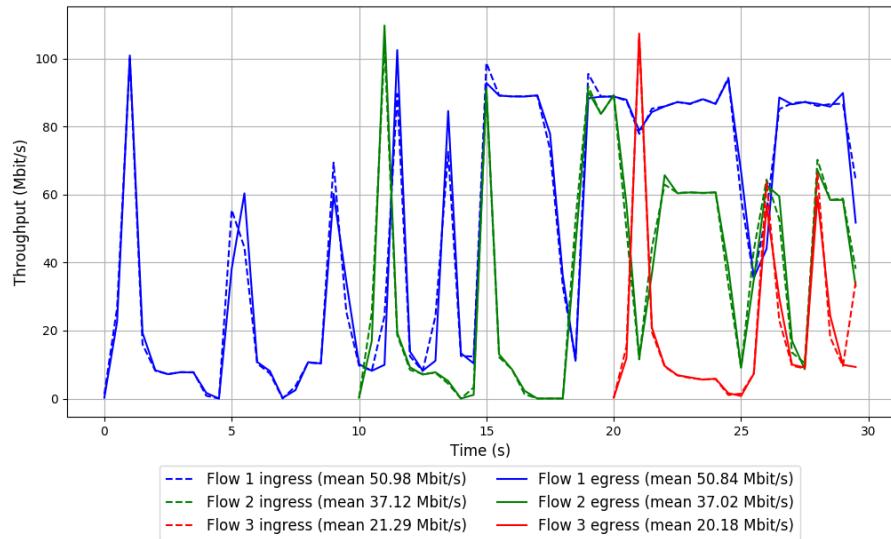
Run 4: Statistics of QUIC Cubic

Start at: 2017-12-01 02:58:38

End at: 2017-12-01 02:59:08

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 50.604 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 50.84 Mbit/s
95th percentile per-packet one-way delay: 50.613 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 50.517 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 50.734 ms
Loss rate: 6.17%
```

## Run 4: Report of QUIC Cubic — Data Link



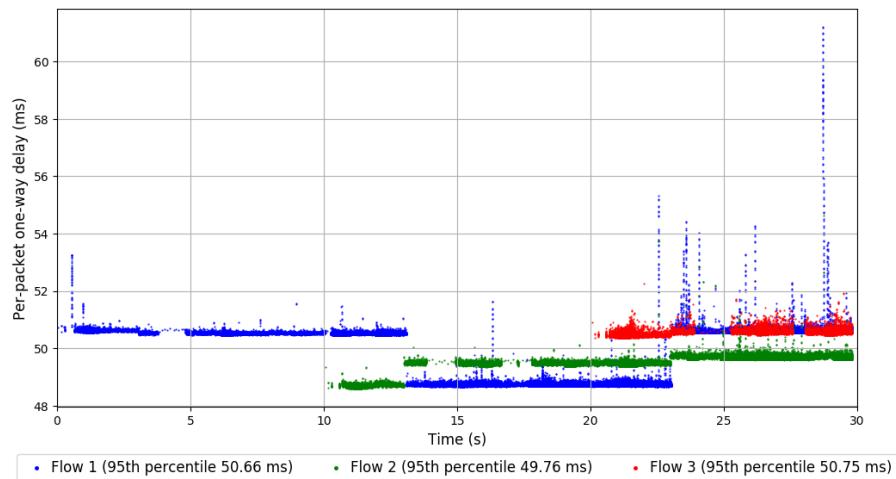
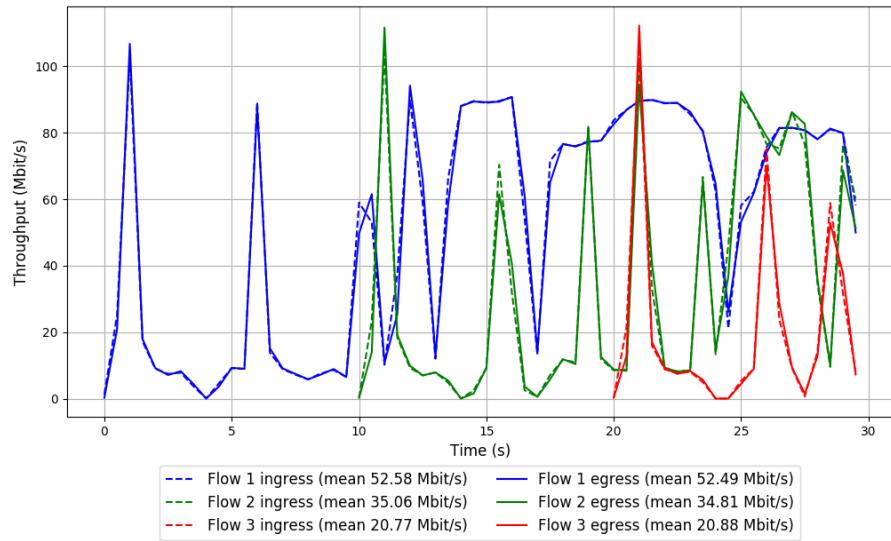
Run 5: Statistics of QUIC Cubic

Start at: 2017-12-01 03:11:15

End at: 2017-12-01 03:11:45

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 49.755 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 50.747 ms
Loss rate: 0.49%
```

Run 5: Report of QUIC Cubic — Data Link



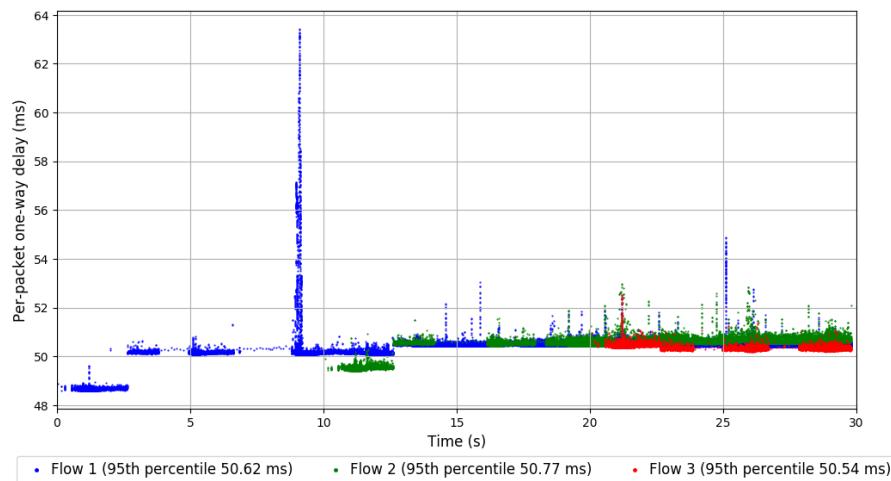
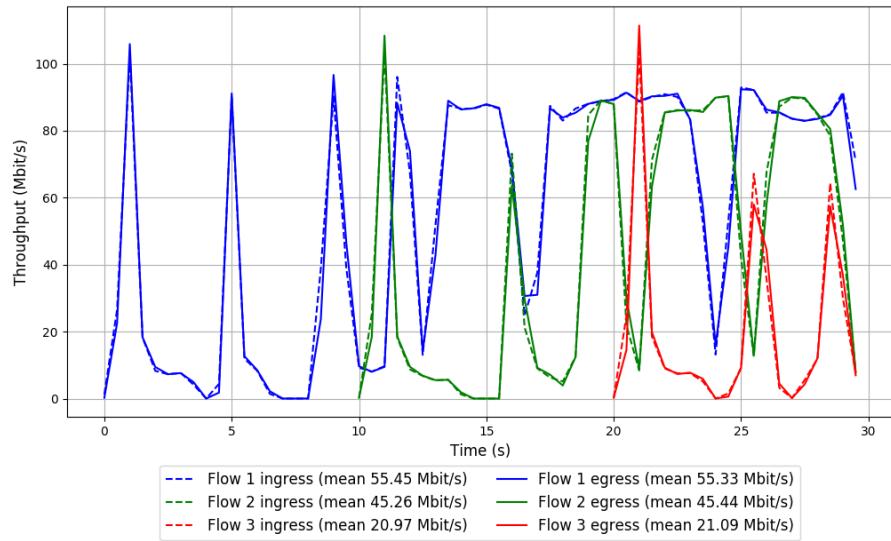
Run 6: Statistics of QUIC Cubic

Start at: 2017-12-01 03:23:45

End at: 2017-12-01 03:24:15

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 50.702 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 50.615 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 50.774 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 50.539 ms
Loss rate: 0.47%
```

Run 6: Report of QUIC Cubic — Data Link



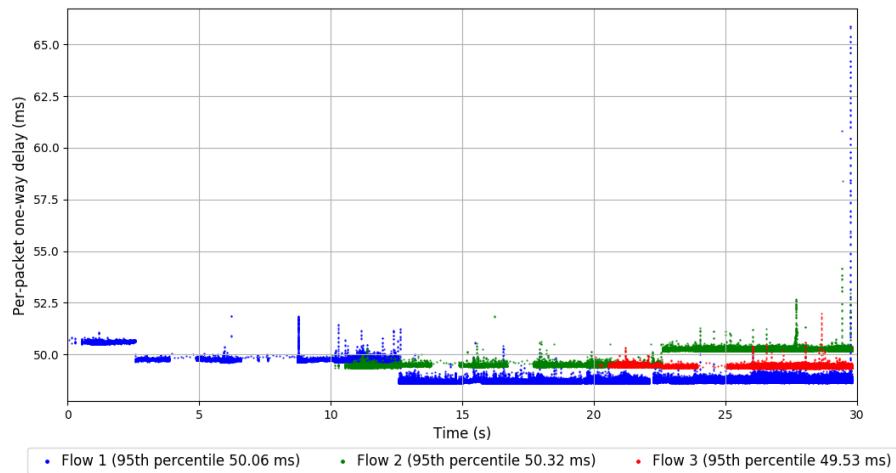
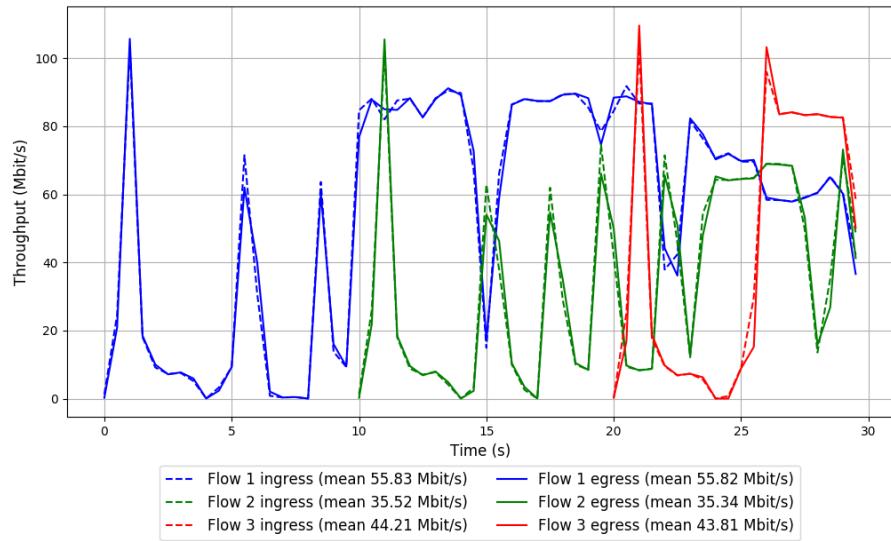
Run 7: Statistics of QUIC Cubic

Start at: 2017-12-01 03:36:15

End at: 2017-12-01 03:36:45

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 50.301 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 50.061 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 50.324 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 49.533 ms
Loss rate: 1.92%
```

Run 7: Report of QUIC Cubic — Data Link



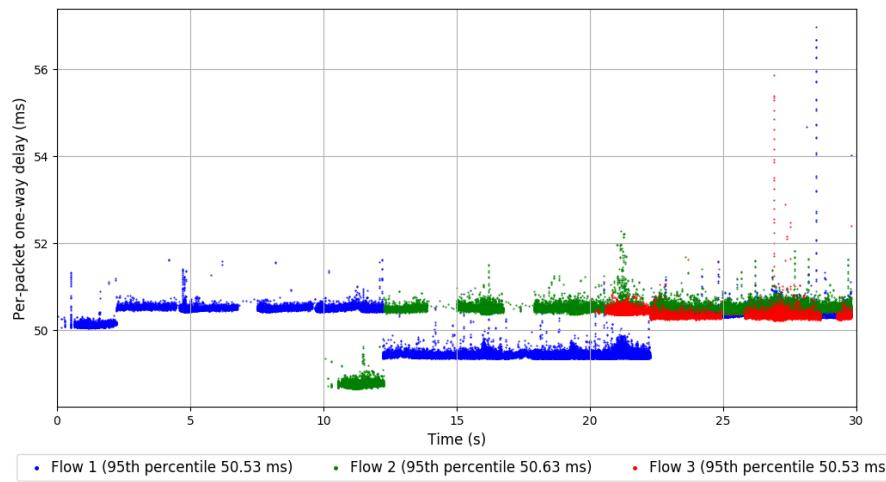
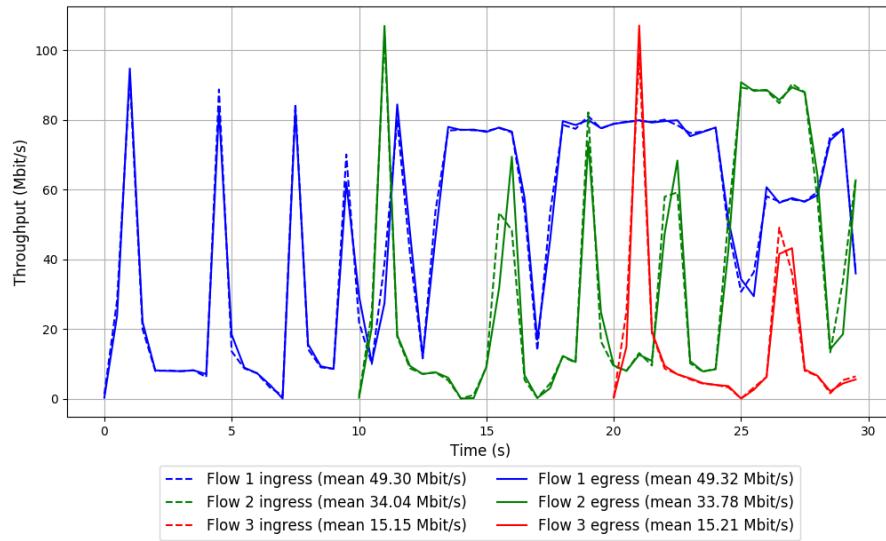
Run 8: Statistics of QUIC Cubic

Start at: 2017-12-01 03:48:45

End at: 2017-12-01 03:49:16

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 50.561 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 50.527 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 50.626 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 50.528 ms
Loss rate: 0.61%
```

Run 8: Report of QUIC Cubic — Data Link



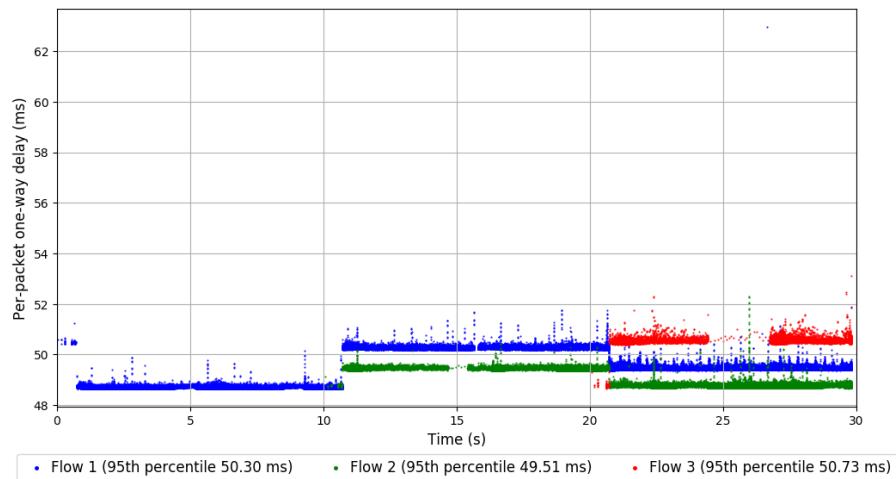
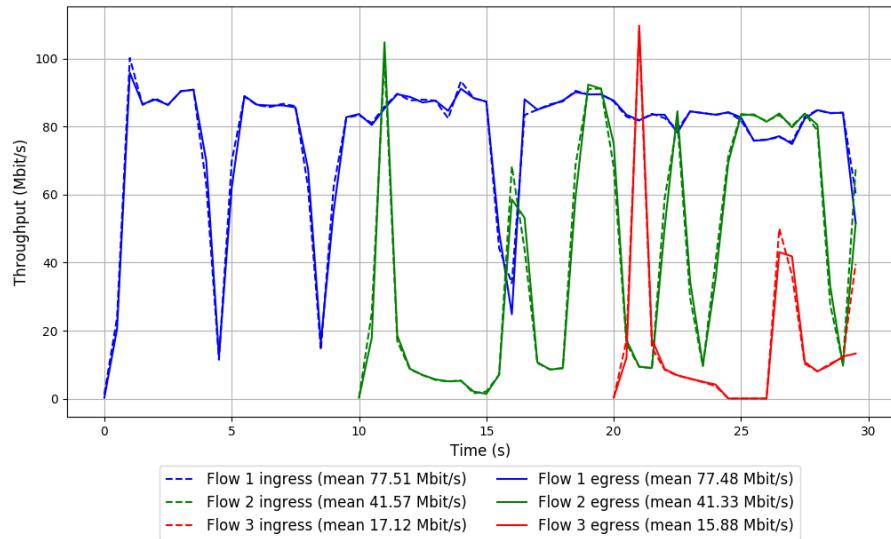
Run 9: Statistics of QUIC Cubic

Start at: 2017-12-01 04:01:27

End at: 2017-12-01 04:01:57

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.10 Mbit/s
95th percentile per-packet one-way delay: 50.410 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 50.304 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 49.508 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 8.13%
```

Run 9: Report of QUIC Cubic — Data Link



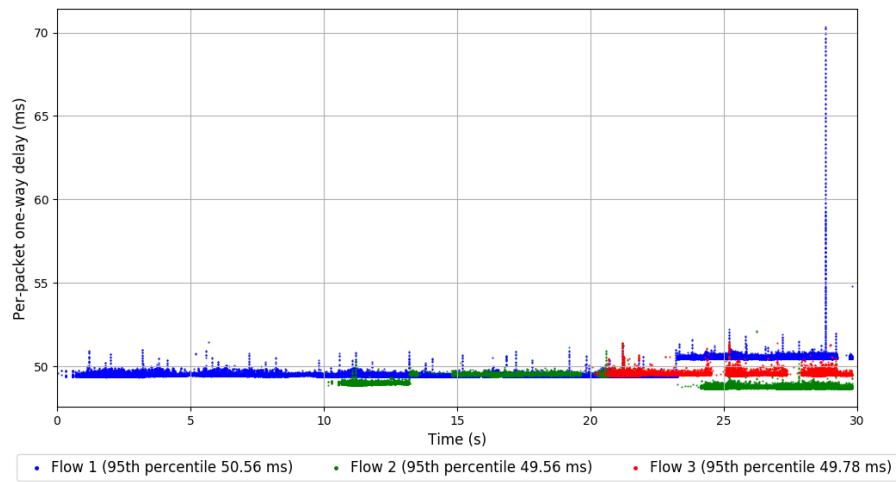
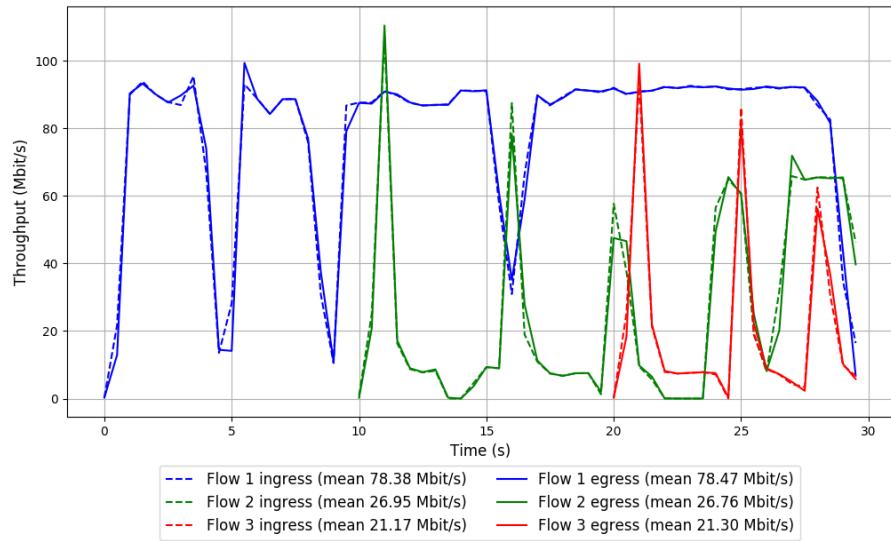
Run 10: Statistics of QUIC Cubic

Start at: 2017-12-01 04:14:05

End at: 2017-12-01 04:14:35

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.19 Mbit/s
95th percentile per-packet one-way delay: 50.545 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 49.560 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 21.30 Mbit/s
95th percentile per-packet one-way delay: 49.780 ms
Loss rate: 0.43%
```

Run 10: Report of QUIC Cubic — Data Link

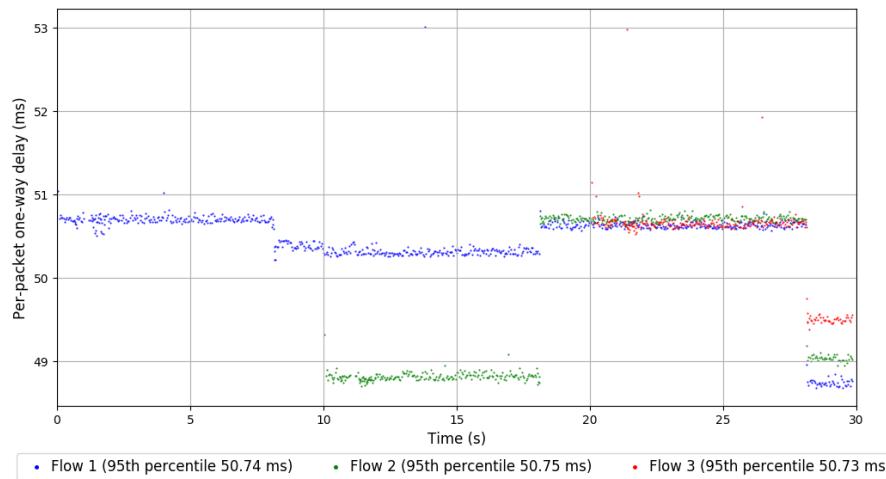
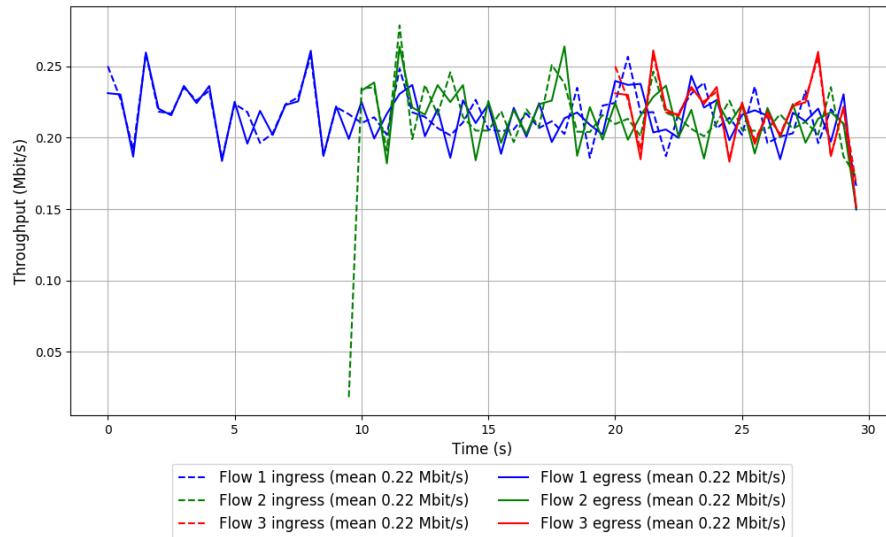


```
Run 1: Statistics of SCReAM

Start at: 2017-12-01 02:18:10
End at: 2017-12-01 02:18:40

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.750 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.743 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.754 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.74%
```

## Run 1: Report of SCReAM — Data Link



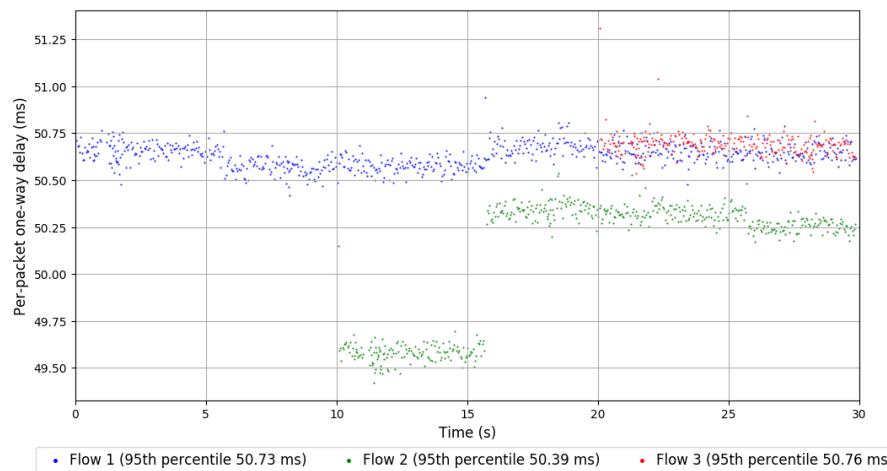
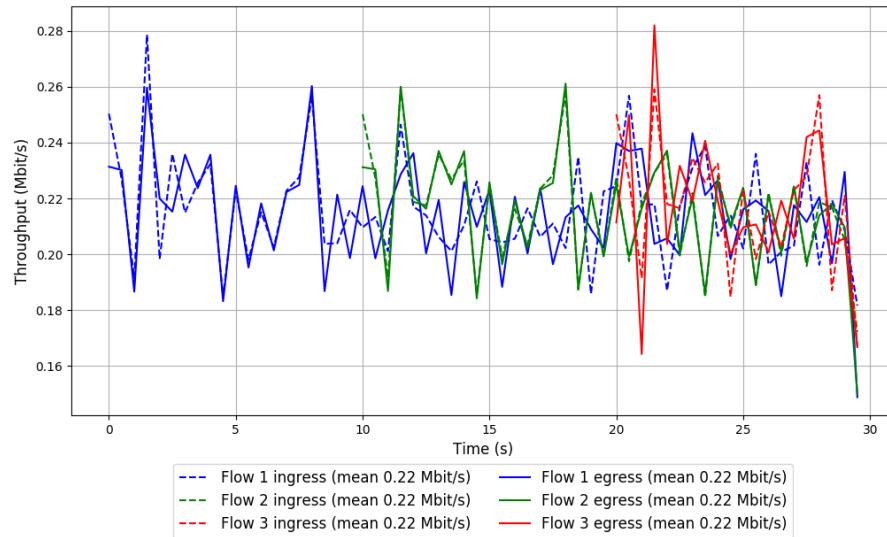
Run 2: Statistics of SCReAM

Start at: 2017-12-01 02:30:42

End at: 2017-12-01 02:31:12

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.729 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.390 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.760 ms
Loss rate: 0.74%
```

Run 2: Report of SCReAM — Data Link



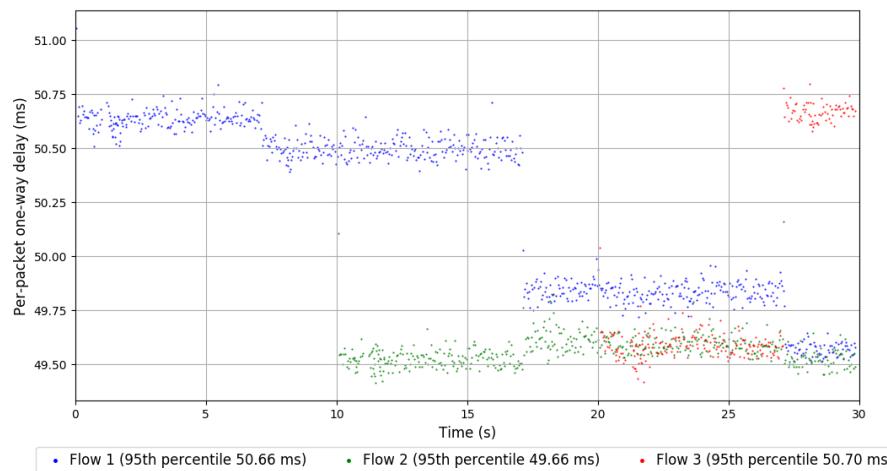
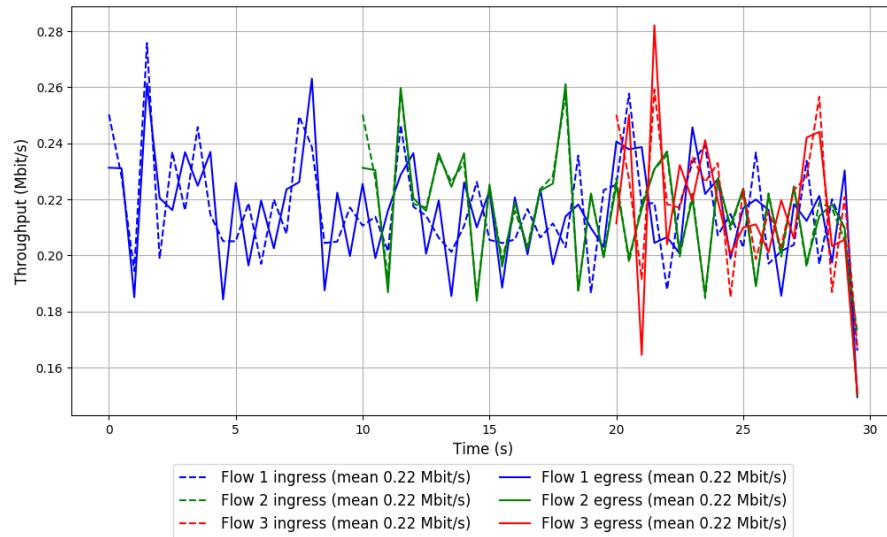
Run 3: Statistics of SCReAM

Start at: 2017-12-01 02:43:21

End at: 2017-12-01 02:43:51

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.663 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.701 ms
Loss rate: 1.10%
```

Run 3: Report of SCReAM — Data Link



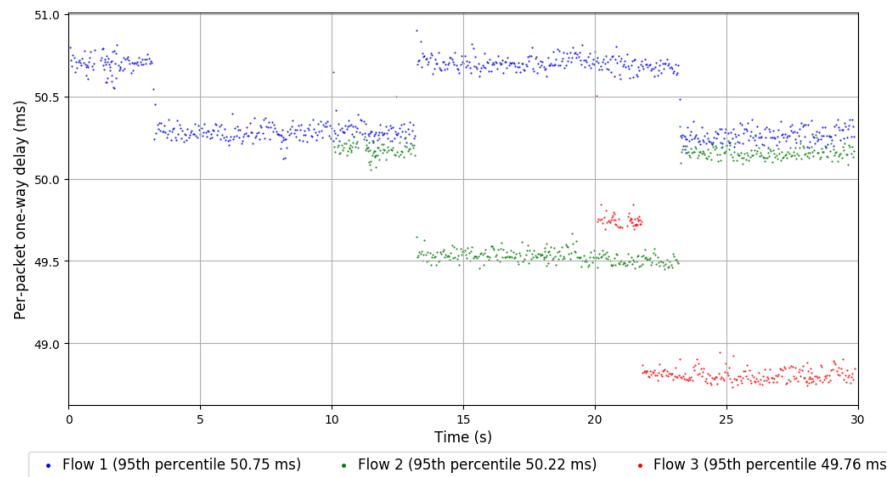
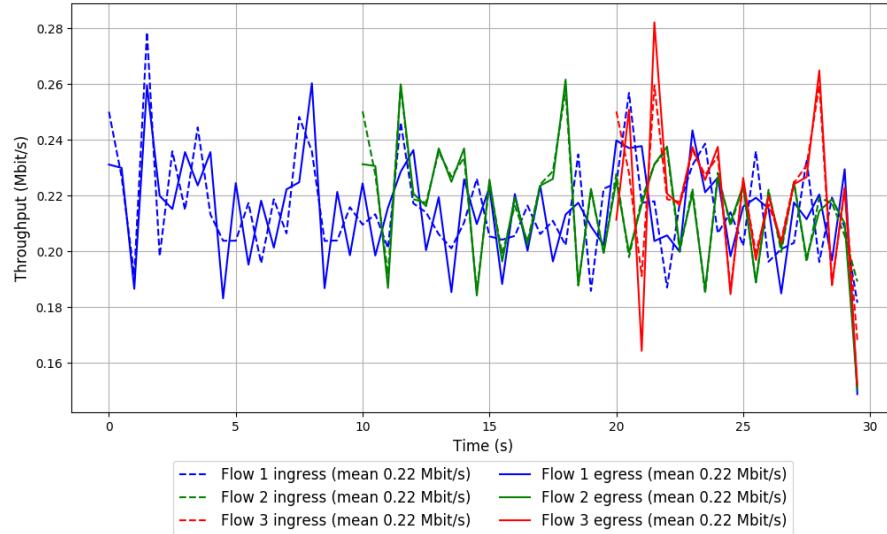
Run 4: Statistics of SCReAM

Start at: 2017-12-01 02:56:05

End at: 2017-12-01 02:56:35

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.729 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.751 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.215 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.760 ms
Loss rate: 0.74%
```

## Run 4: Report of SCReAM — Data Link



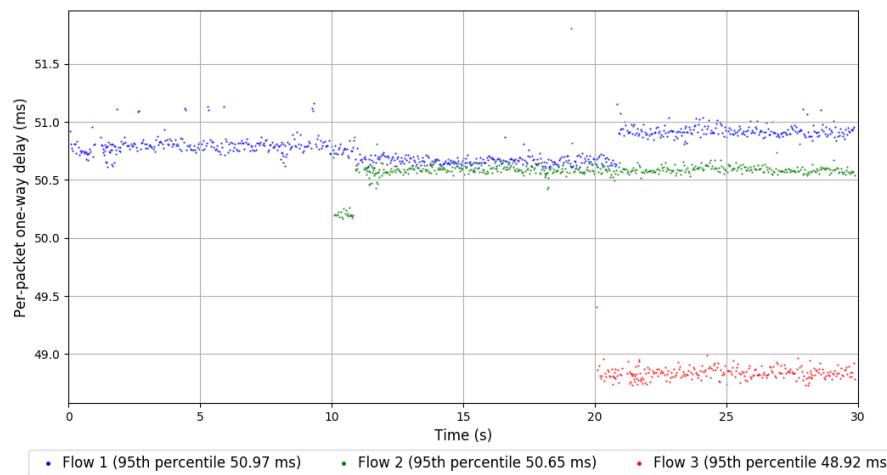
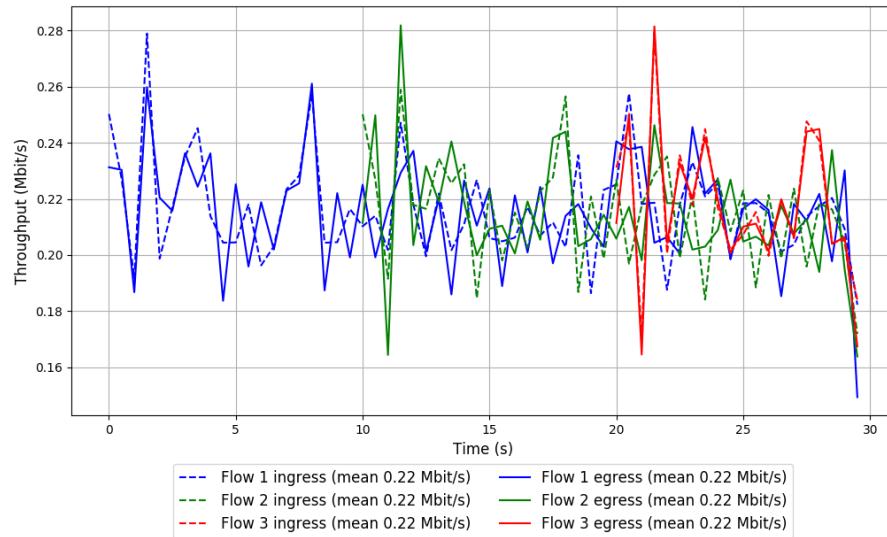
Run 5: Statistics of SCReAM

Start at: 2017-12-01 03:08:37

End at: 2017-12-01 03:09:07

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.938 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.971 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.921 ms
Loss rate: 0.74%
```

Run 5: Report of SCReAM — Data Link



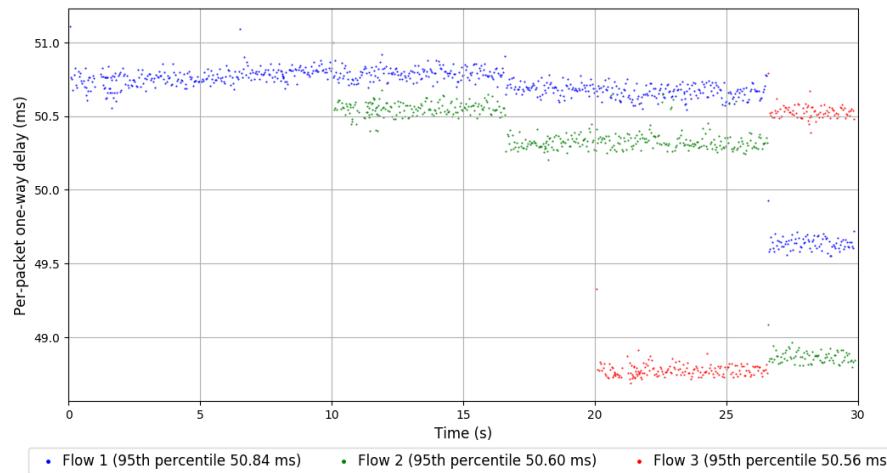
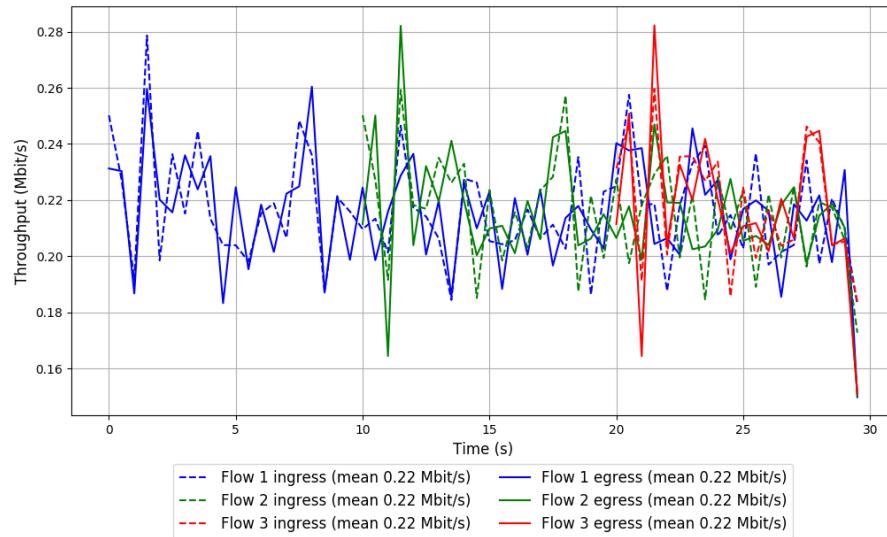
Run 6: Statistics of SCReAM

Start at: 2017-12-01 03:21:11

End at: 2017-12-01 03:21:41

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.817 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.838 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.600 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.563 ms
Loss rate: 1.10%
```

Run 6: Report of SCReAM — Data Link



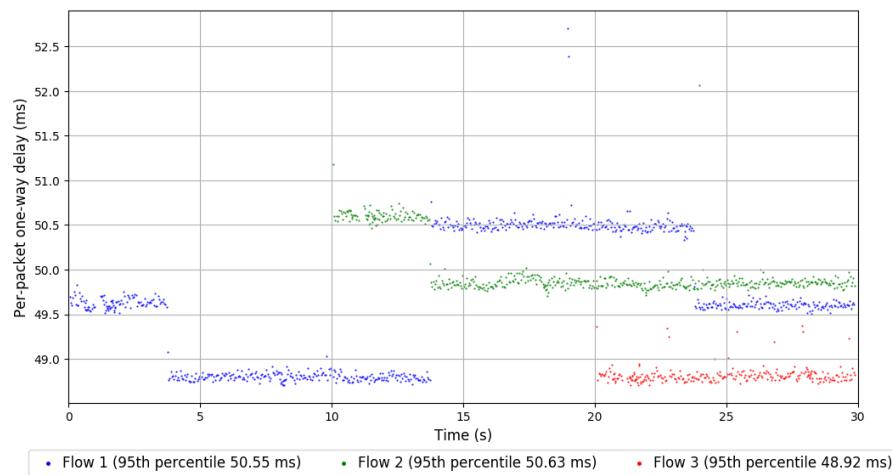
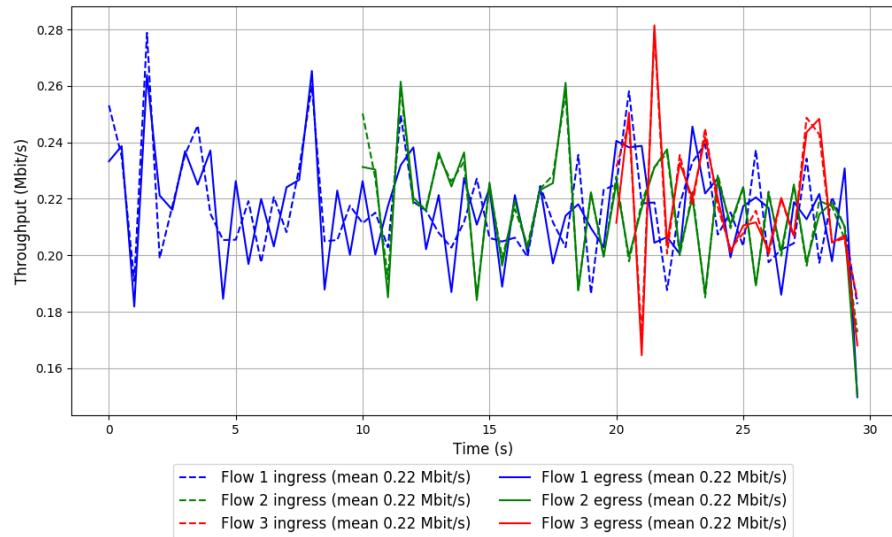
Run 7: Statistics of SCReAM

Start at: 2017-12-01 03:33:44

End at: 2017-12-01 03:34:14

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.583 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.546 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.633 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.922 ms
Loss rate: 0.74%
```

Run 7: Report of SCReAM — Data Link



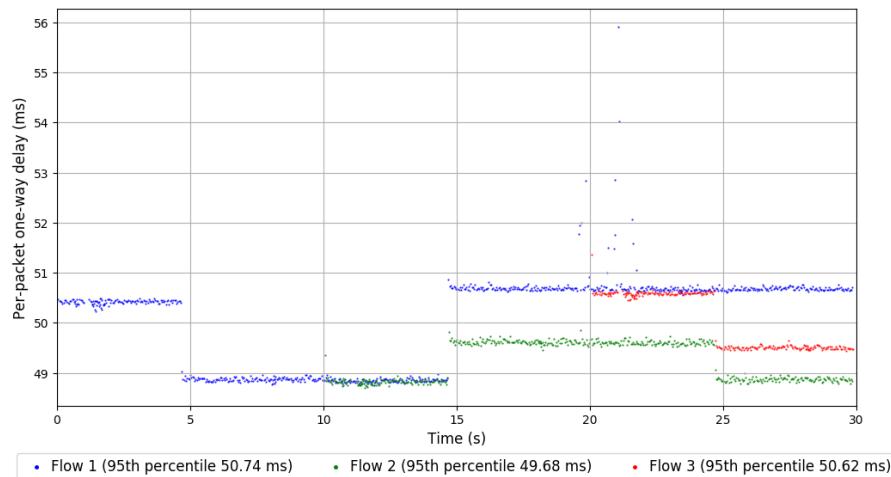
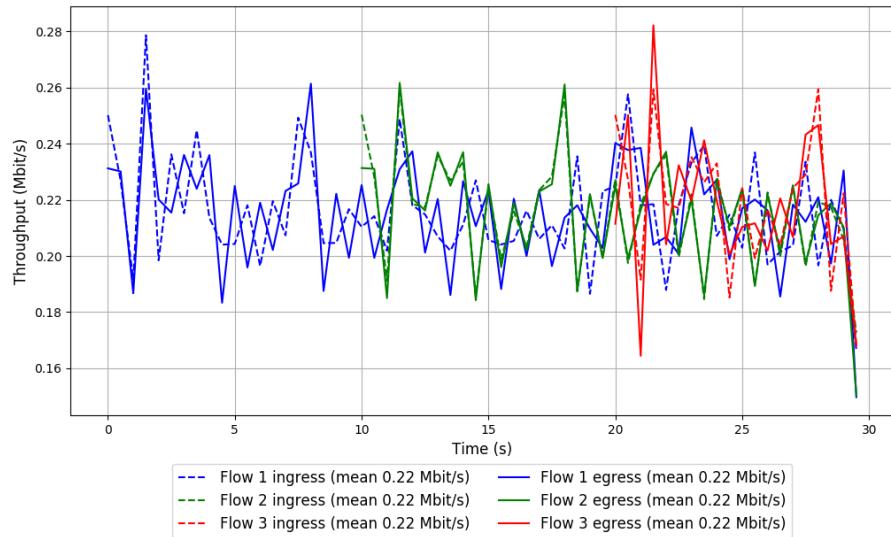
Run 8: Statistics of SCReAM

Start at: 2017-12-01 03:46:13

End at: 2017-12-01 03:46:43

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.717 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.743 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.678 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.624 ms
Loss rate: 0.74%
```

Run 8: Report of SCReAM — Data Link



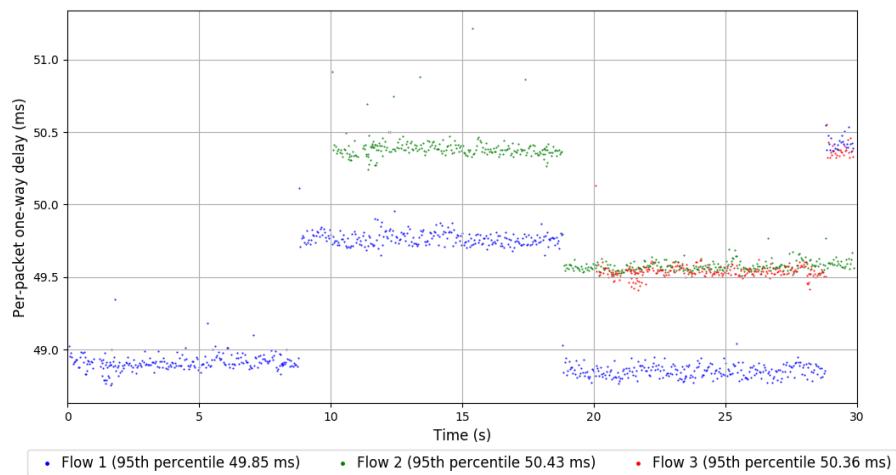
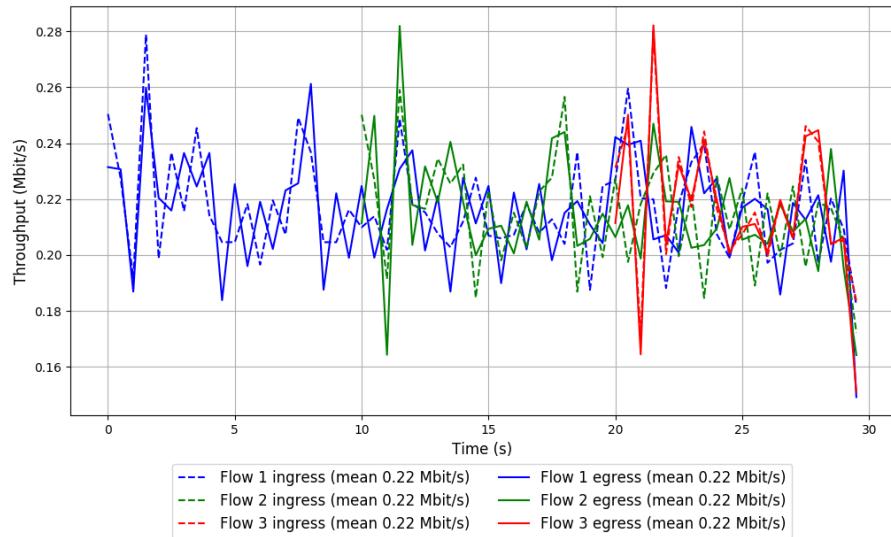
Run 9: Statistics of SCReAM

Start at: 2017-12-01 03:58:49

End at: 2017-12-01 03:59:19

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.407 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.848 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.432 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.360 ms
Loss rate: 1.11%
```

Run 9: Report of SCReAM — Data Link



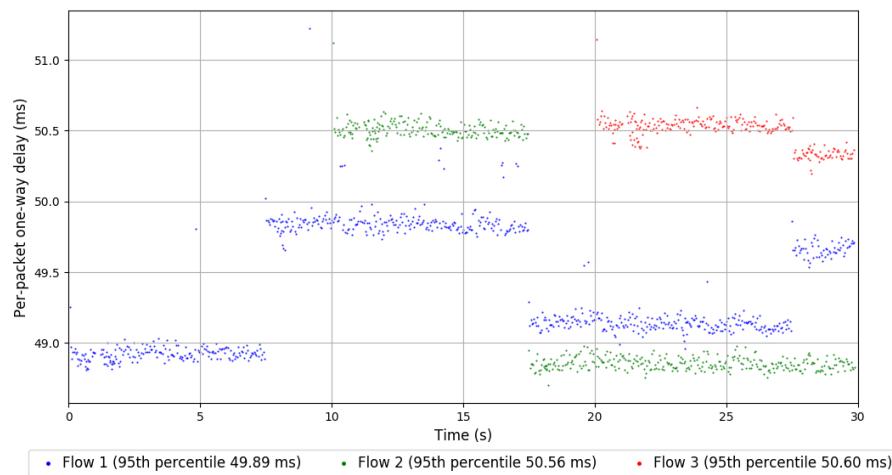
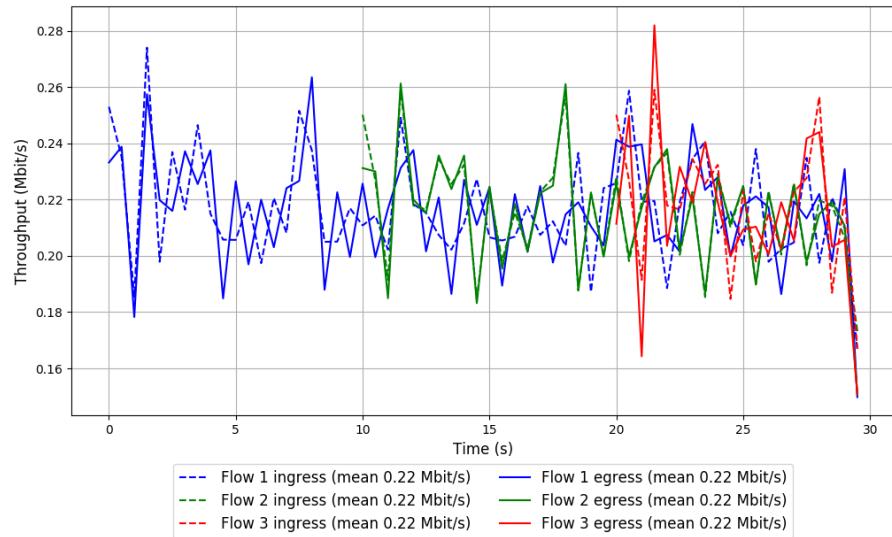
Run 10: Statistics of SCReAM

Start at: 2017-12-01 04:11:30

End at: 2017-12-01 04:12:00

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.566 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.890 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.601 ms
Loss rate: 1.11%
```

## Run 10: Report of SCReAM — Data Link

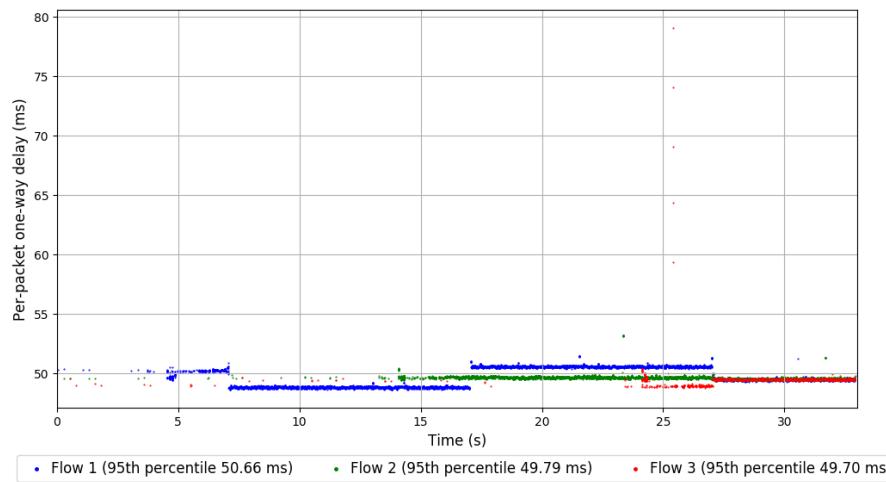
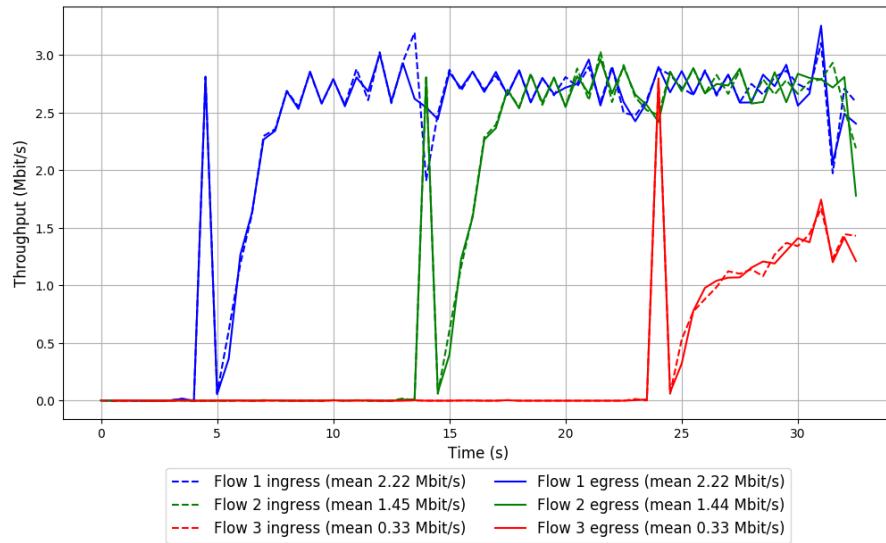


```
Run 1: Statistics of WebRTC media

Start at: 2017-12-01 02:20:04
End at: 2017-12-01 02:20:34

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 50.636 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 50.658 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 49.787 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 49.695 ms
Loss rate: 1.63%
```

Run 1: Report of WebRTC media — Data Link

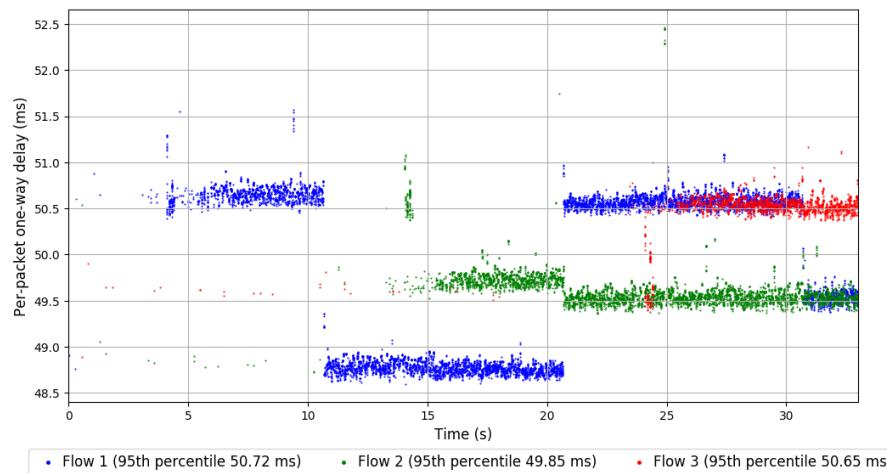
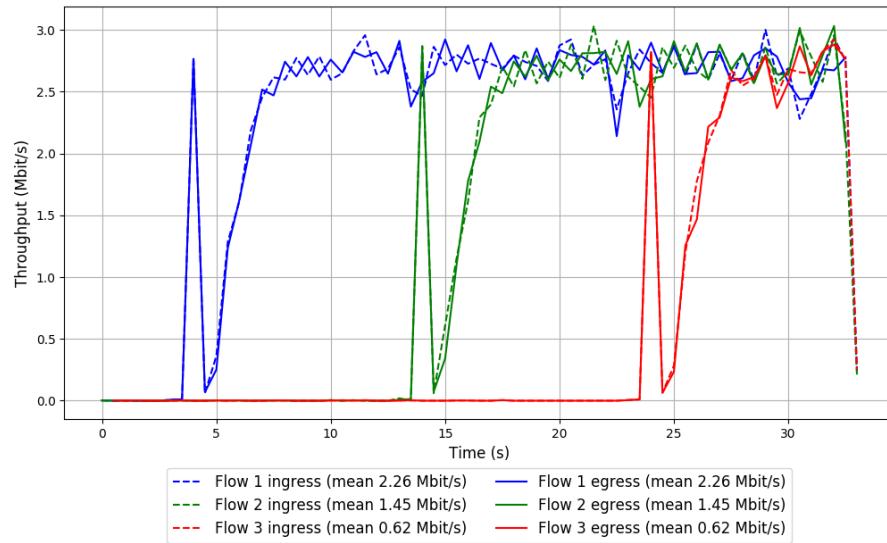


```
Run 2: Statistics of WebRTC media

Start at: 2017-12-01 02:32:40
End at: 2017-12-01 02:33:10

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 50.688 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.718 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 49.846 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 50.653 ms
Loss rate: 1.26%
```

## Run 2: Report of WebRTC media — Data Link



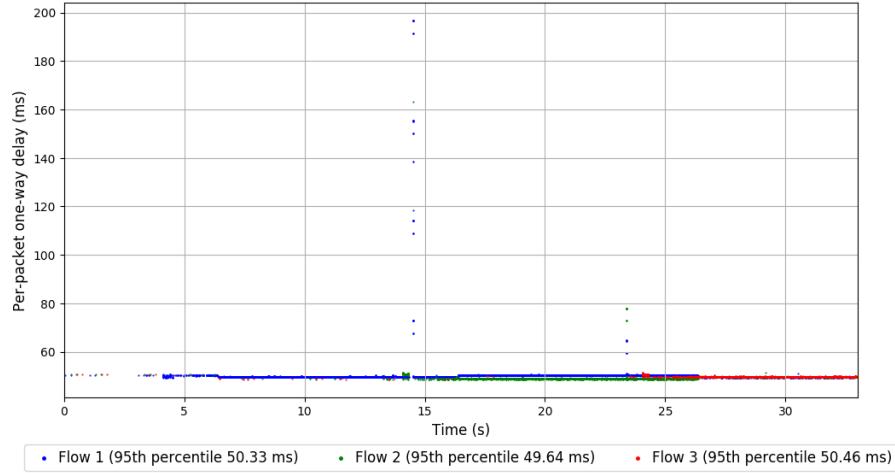
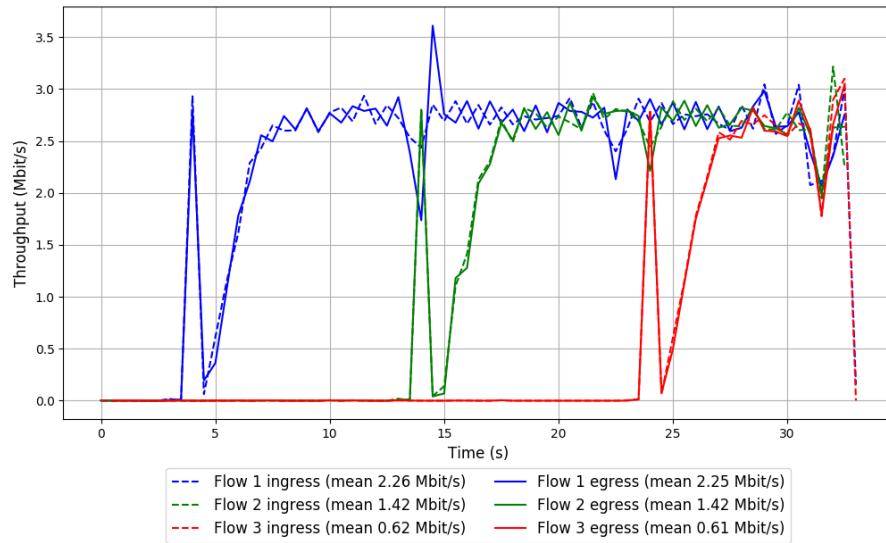
```
Run 3: Statistics of WebRTC media
```

```
Start at: 2017-12-01 02:45:15
```

```
End at: 2017-12-01 02:45:45
```

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 50.320 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 50.331 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 49.640 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.458 ms
Loss rate: 1.27%
```

Run 3: Report of WebRTC media — Data Link

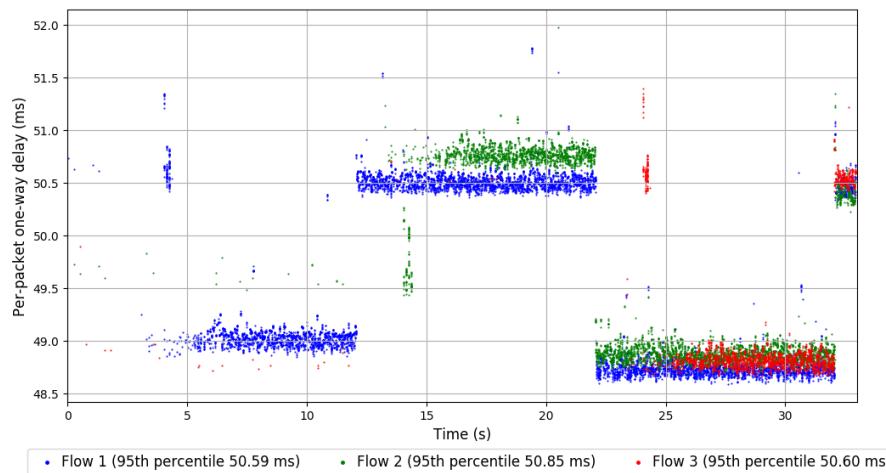
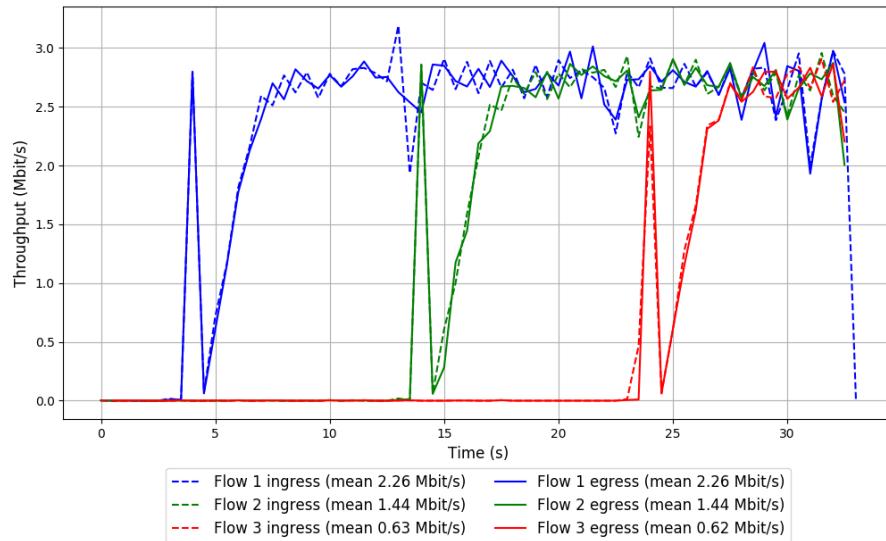


```
Run 4: Statistics of WebRTC media

Start at: 2017-12-01 02:57:59
End at: 2017-12-01 02:58:29

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.592 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 50.846 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 50.598 ms
Loss rate: 1.80%
```

Run 4: Report of WebRTC media — Data Link



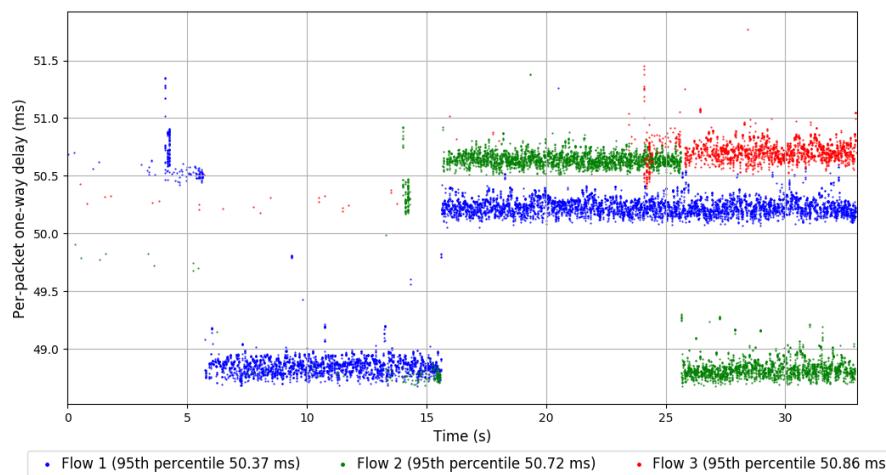
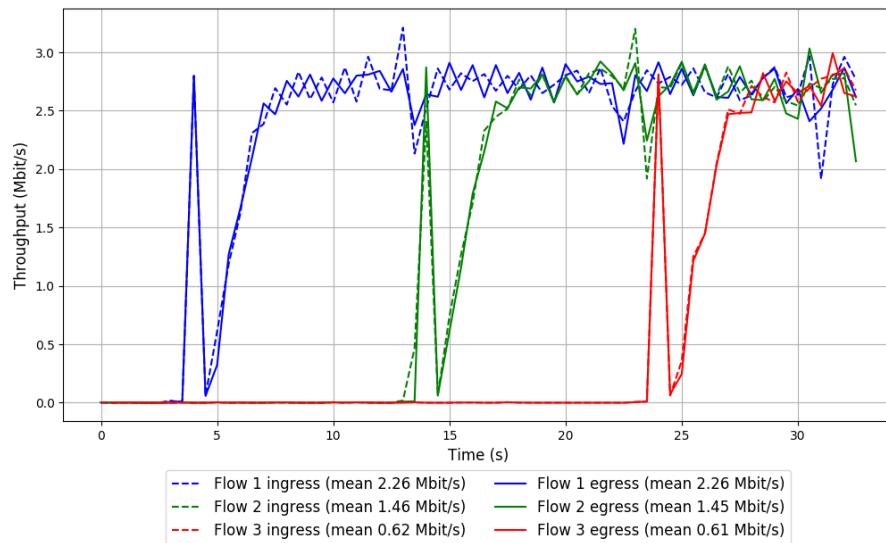
Run 5: Statistics of WebRTC media

Start at: 2017-12-01 03:10:35

End at: 2017-12-01 03:11:05

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 50.753 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.374 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 50.717 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 1.24%
```

### Run 5: Report of WebRTC media — Data Link



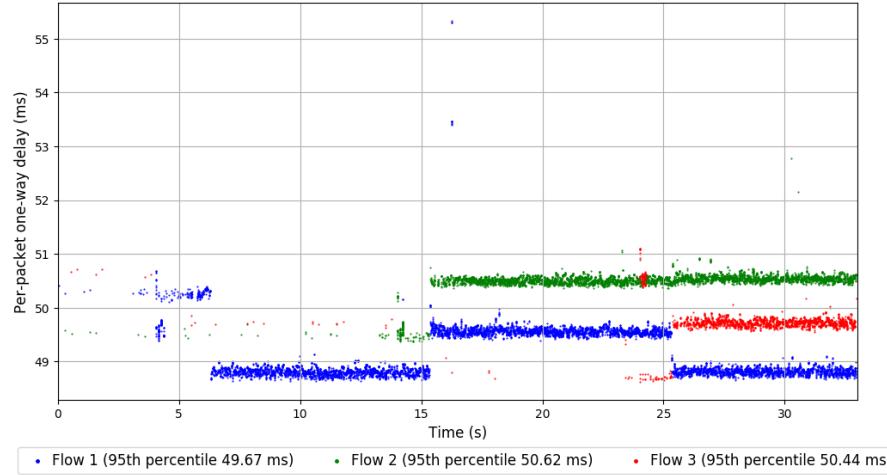
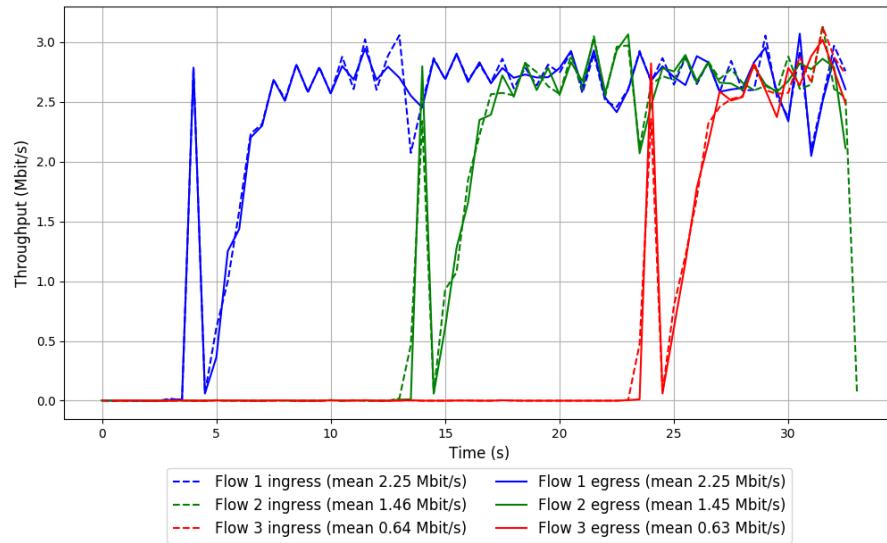
Run 6: Statistics of WebRTC media

Start at: 2017-12-01 03:23:06

End at: 2017-12-01 03:23:36

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 50.587 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 49.672 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 50.625 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 50.436 ms
Loss rate: 1.67%
```

Run 6: Report of WebRTC media — Data Link

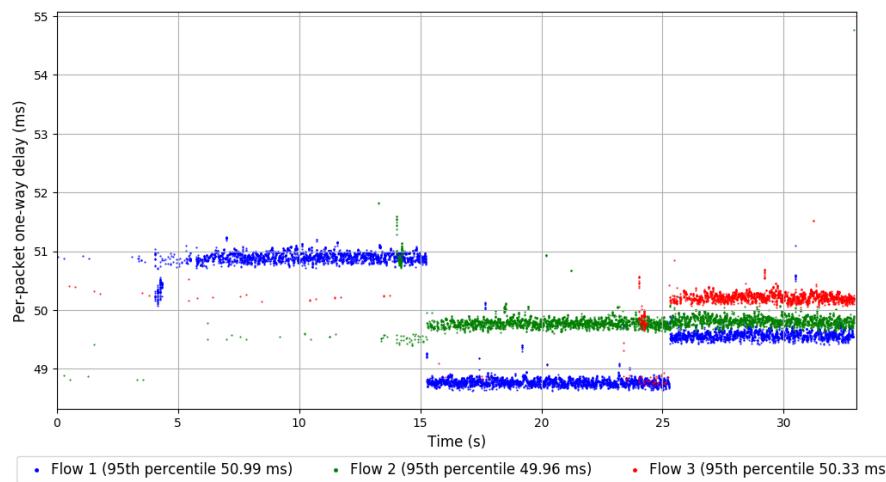
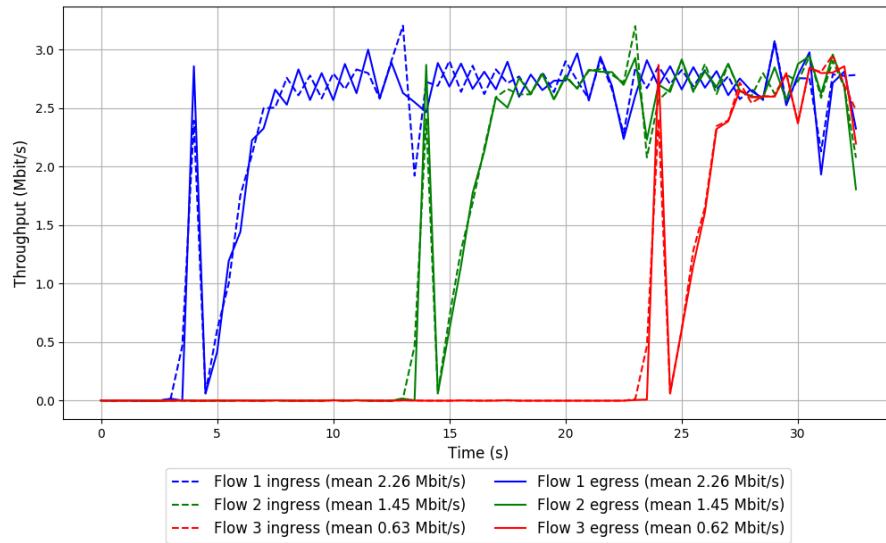


```
Run 7: Statistics of WebRTC media

Start at: 2017-12-01 03:35:36
End at: 2017-12-01 03:36:06

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 50.961 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 49.959 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 50.332 ms
Loss rate: 1.22%
```

Run 7: Report of WebRTC media — Data Link

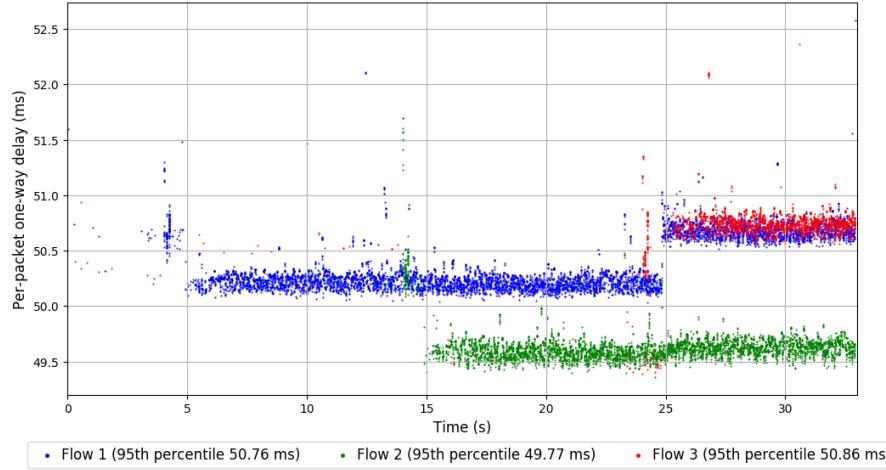
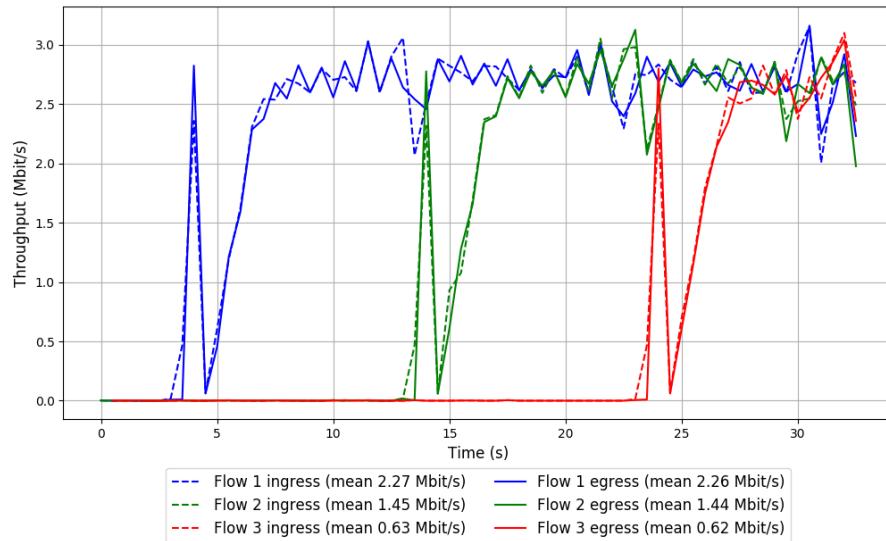


```
Run 8: Statistics of WebRTC media

Start at: 2017-12-01 03:48:06
End at: 2017-12-01 03:48:36

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 50.784 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.757 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 49.774 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 1.20%
```

### Run 8: Report of WebRTC media — Data Link

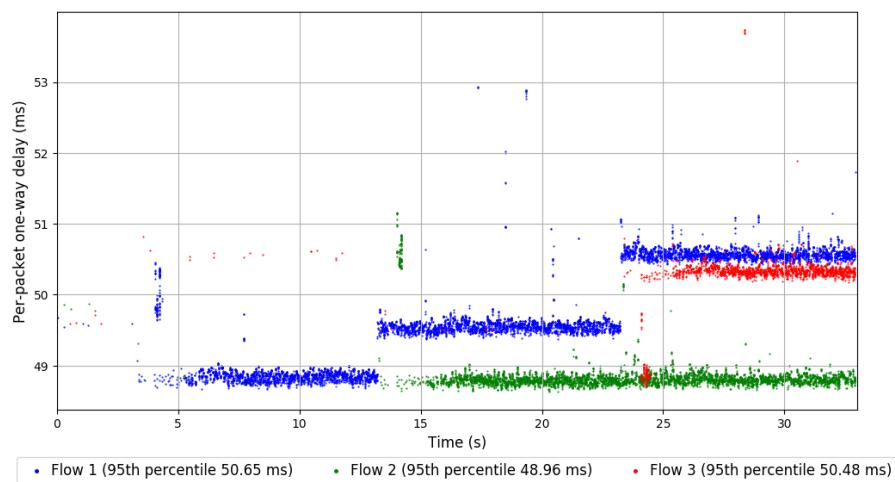
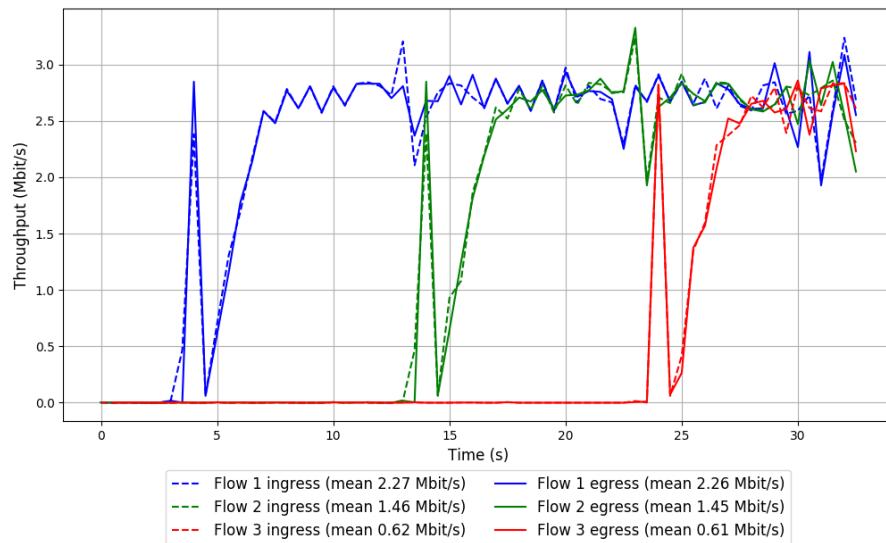


```
Run 9: Statistics of WebRTC media

Start at: 2017-12-01 04:00:48
End at: 2017-12-01 04:01:18

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 50.620 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.653 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 48.957 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.480 ms
Loss rate: 1.52%
```

### Run 9: Report of WebRTC media — Data Link



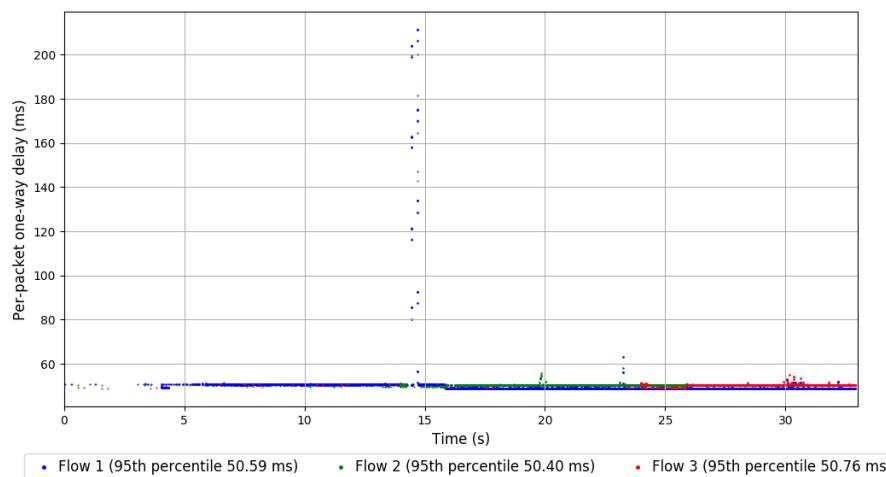
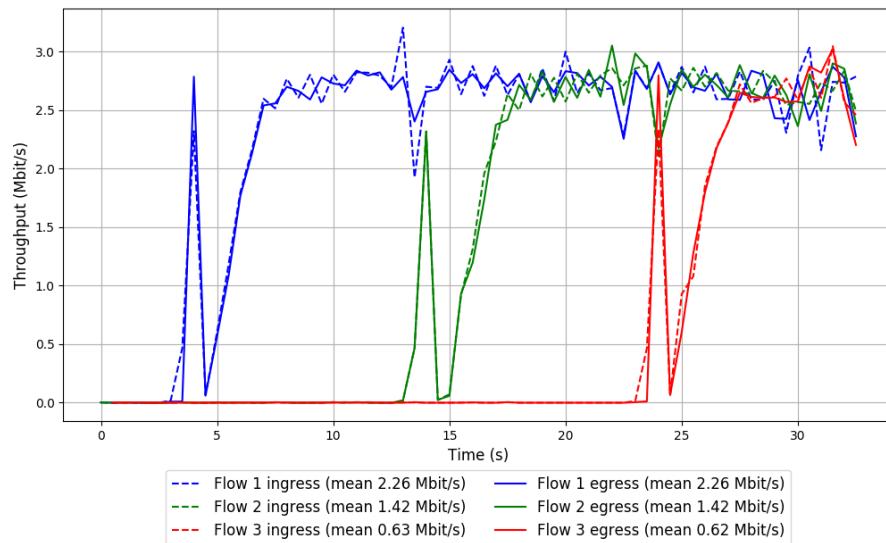
Run 10: Statistics of WebRTC media

Start at: 2017-12-01 04:13:25

End at: 2017-12-01 04:13:55

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.595 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 50.396 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 50.755 ms
Loss rate: 1.15%
```

Run 10: Report of WebRTC media — Data Link

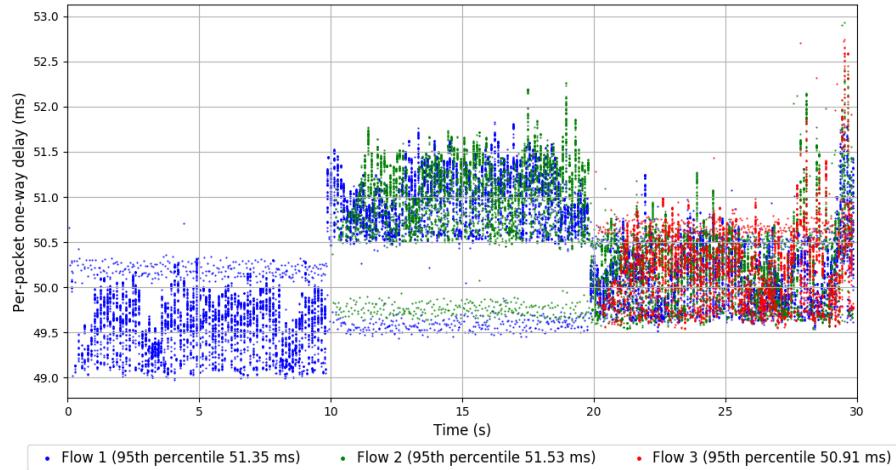
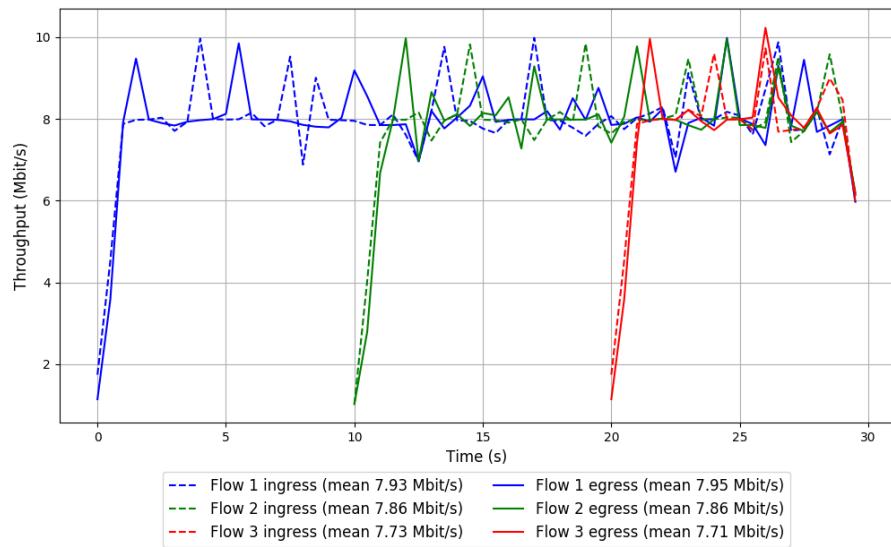


```
Run 1: Statistics of Sprout

Start at: 2017-12-01 02:26:08
End at: 2017-12-01 02:26:38

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 51.417 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 51.351 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 51.528 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 50.905 ms
Loss rate: 1.14%
```

## Run 1: Report of Sprout — Data Link



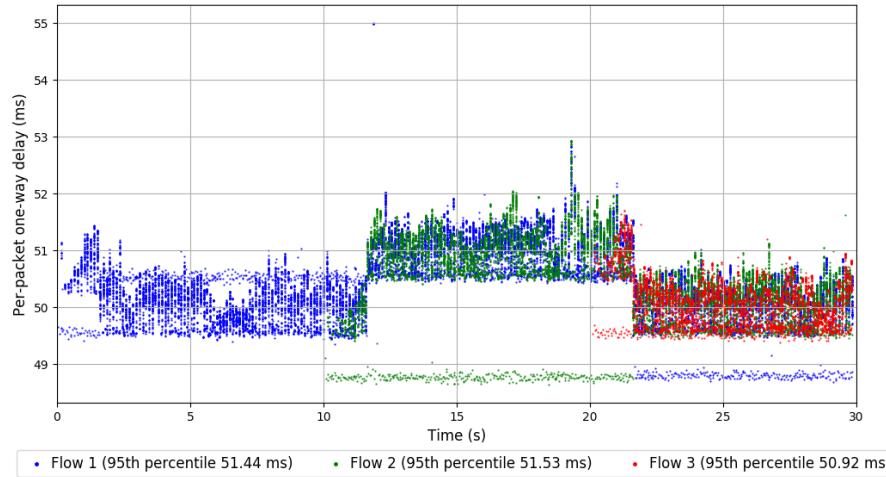
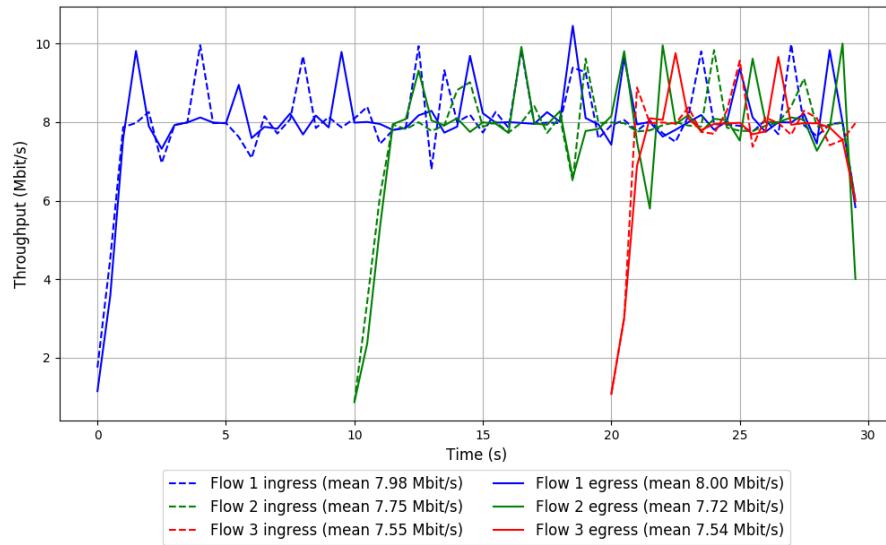
Run 2: Statistics of Sprout

Start at: 2017-12-01 02:38:46

End at: 2017-12-01 02:39:16

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 51.446 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 51.442 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 51.534 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 50.919 ms
Loss rate: 1.33%
```

## Run 2: Report of Sprout — Data Link



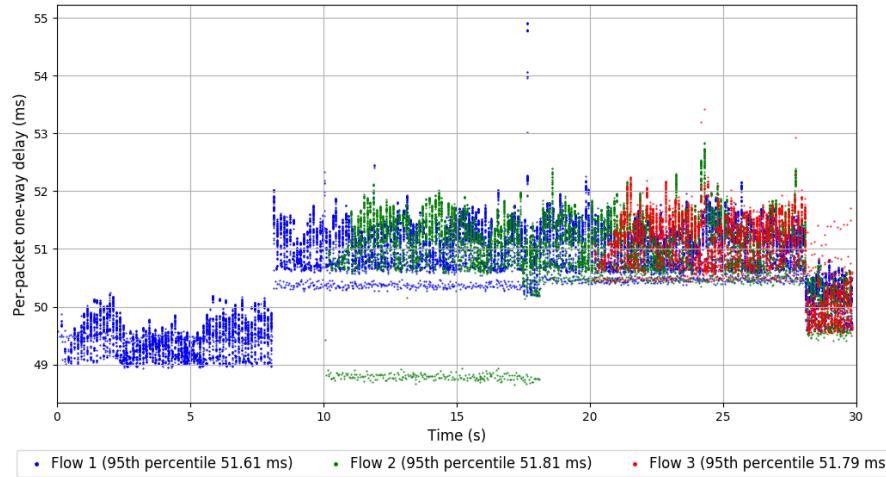
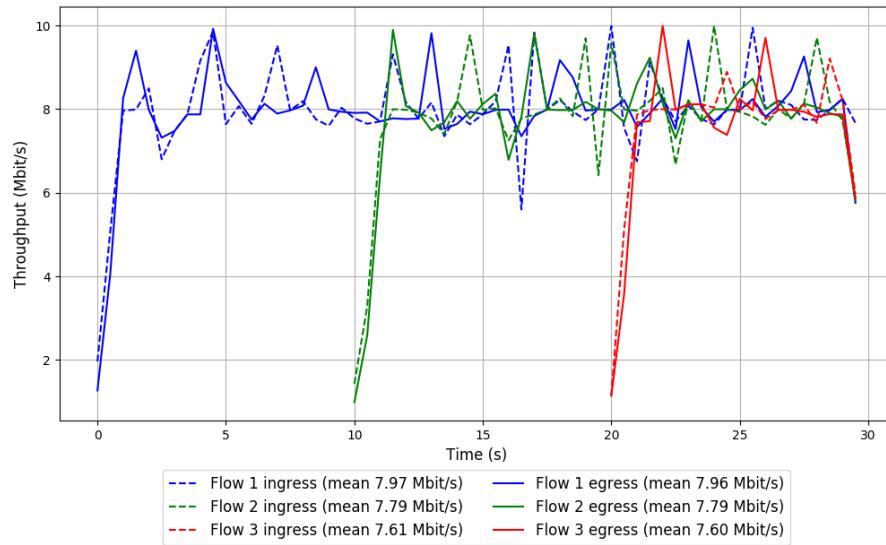
Run 3: Statistics of Sprout

Start at: 2017-12-01 02:51:30

End at: 2017-12-01 02:52:00

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 51.722 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 51.612 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 51.809 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 51.790 ms
Loss rate: 1.21%
```

### Run 3: Report of Sprout — Data Link



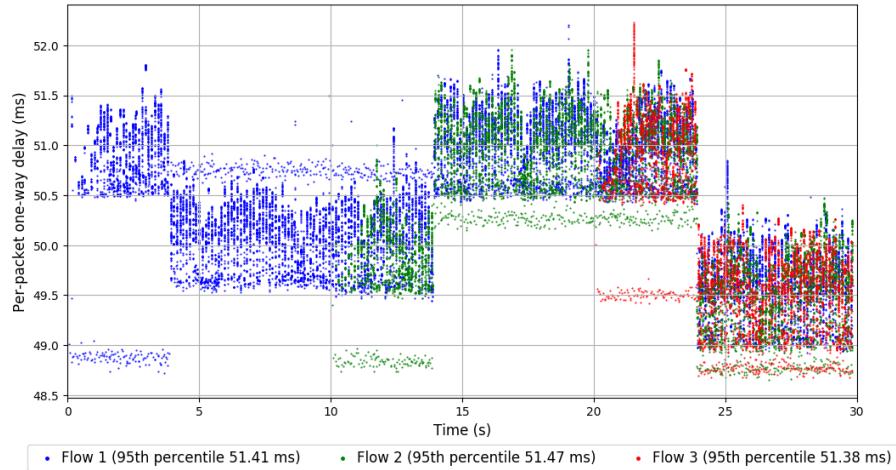
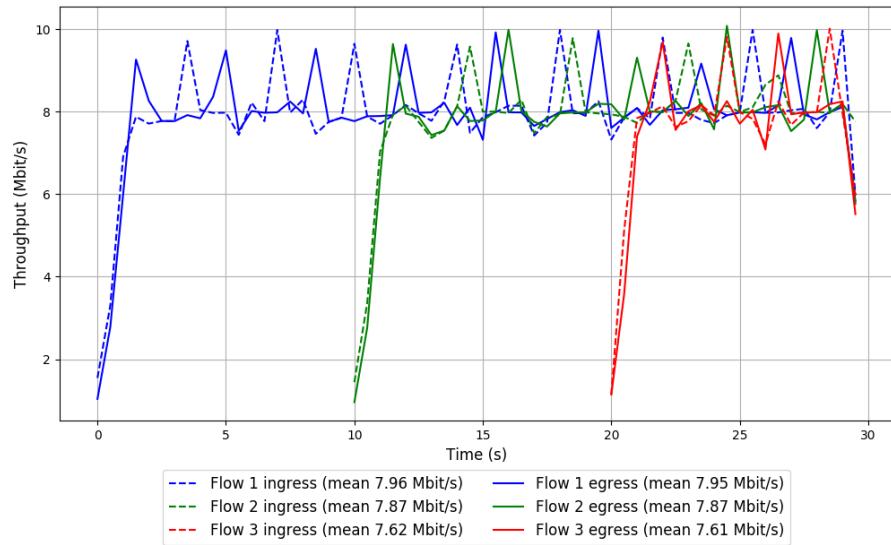
Run 4: Statistics of Sprout

Start at: 2017-12-01 03:04:04

End at: 2017-12-01 03:04:34

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 51.429 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 51.414 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 51.466 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 51.384 ms
Loss rate: 1.33%
```

Run 4: Report of Sprout — Data Link



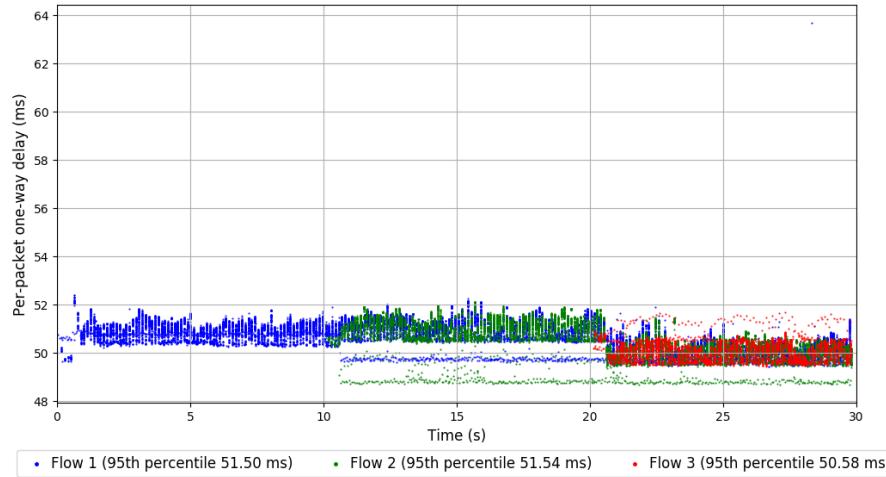
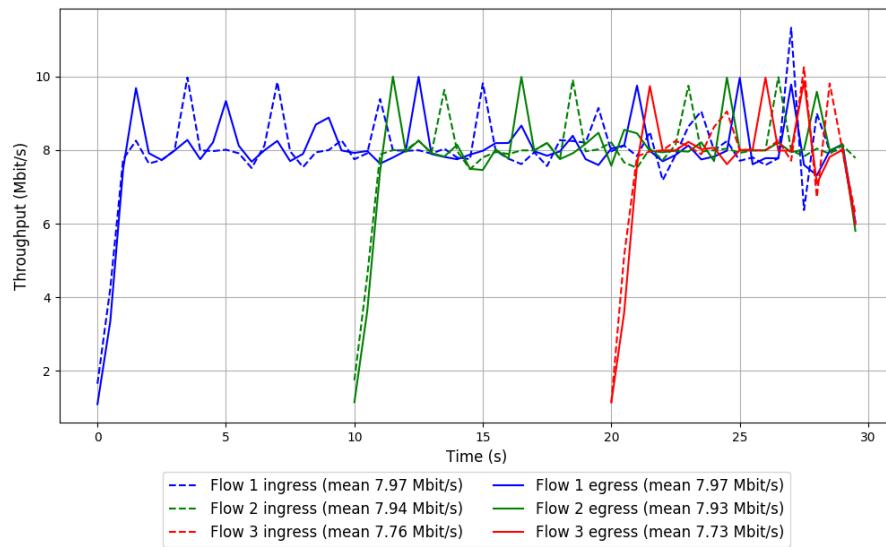
Run 5: Statistics of Sprout

Start at: 2017-12-01 03:16:37

End at: 2017-12-01 03:17:07

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 51.484 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 51.496 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 51.539 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 7.73 Mbit/s
95th percentile per-packet one-way delay: 50.575 ms
Loss rate: 1.48%
```

## Run 5: Report of Sprout — Data Link



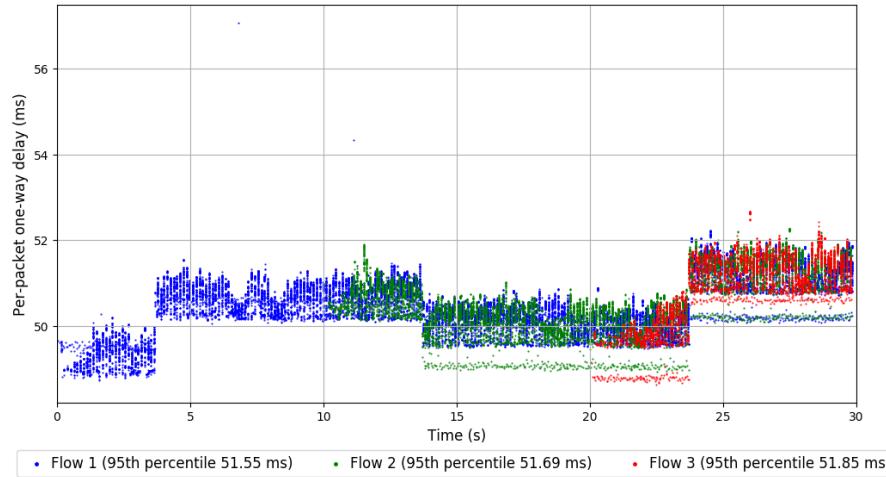
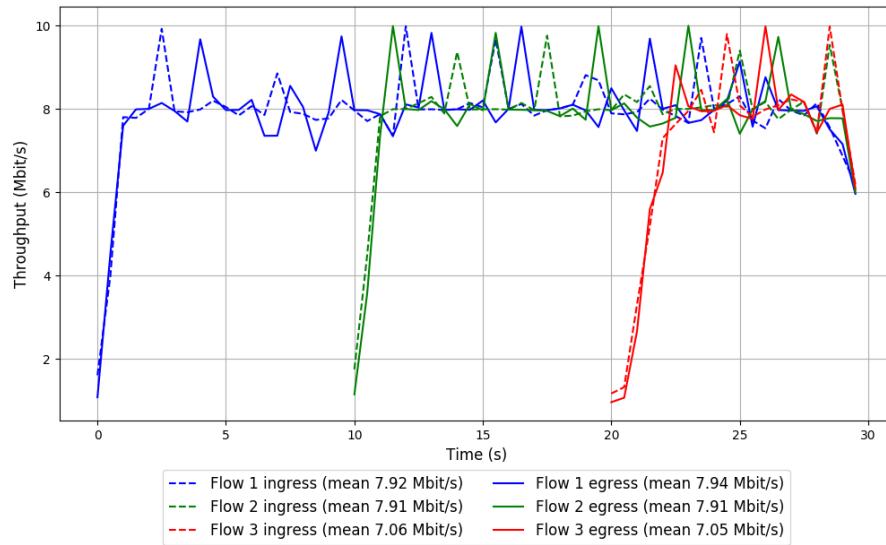
Run 6: Statistics of Sprout

Start at: 2017-12-01 03:29:14

End at: 2017-12-01 03:29:44

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 51.689 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 51.552 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 51.691 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 51.851 ms
Loss rate: 1.39%
```

## Run 6: Report of Sprout — Data Link



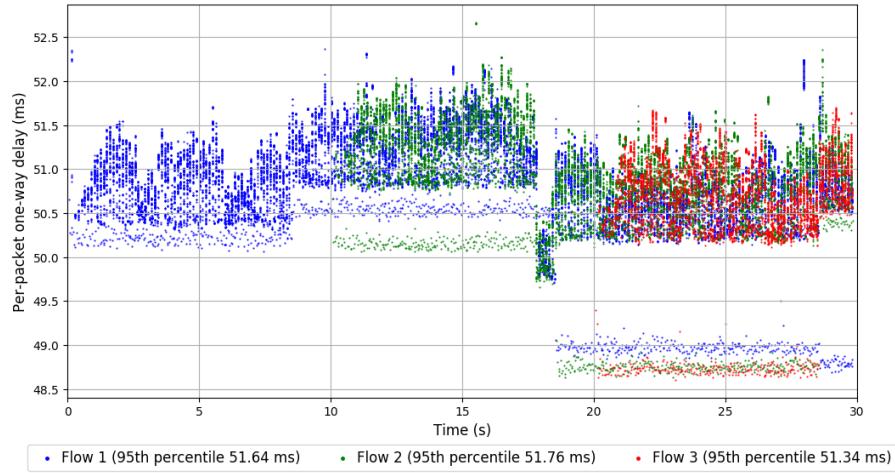
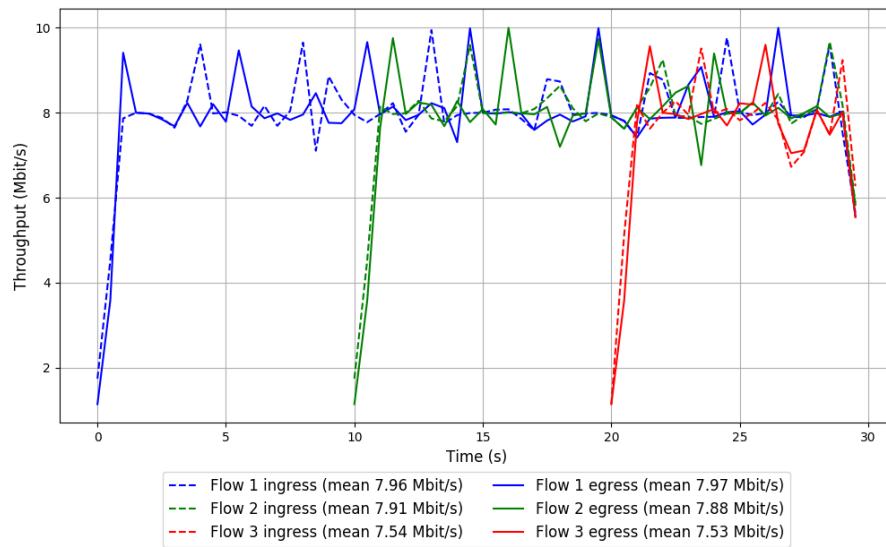
Run 7: Statistics of Sprout

Start at: 2017-12-01 03:41:39

End at: 2017-12-01 03:42:09

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.66 Mbit/s
95th percentile per-packet one-way delay: 51.661 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 51.639 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 51.763 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 51.338 ms
Loss rate: 1.31%
```

Run 7: Report of Sprout — Data Link



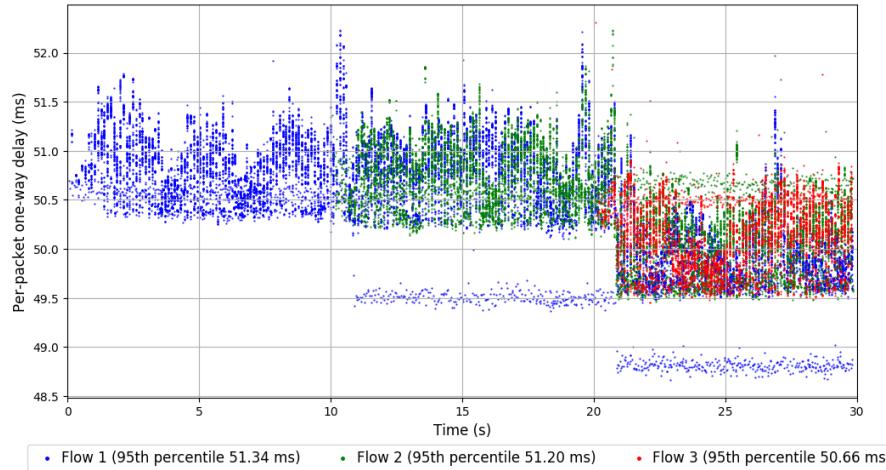
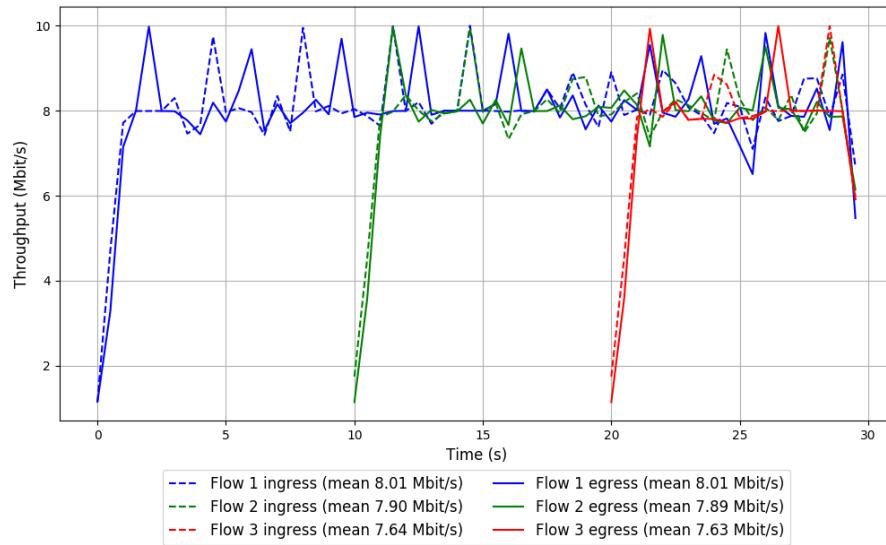
Run 8: Statistics of Sprout

Start at: 2017-12-01 03:54:17

End at: 2017-12-01 03:54:47

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 51.254 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 51.339 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 51.199 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 50.660 ms
Loss rate: 1.31%
```

Run 8: Report of Sprout — Data Link



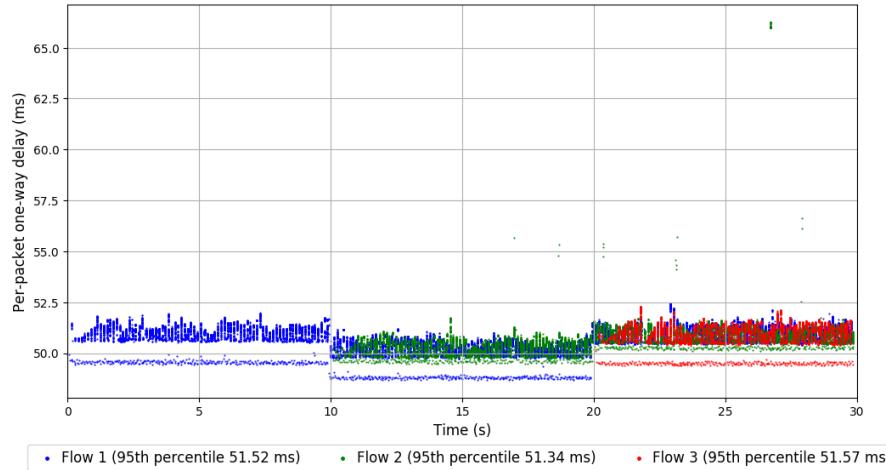
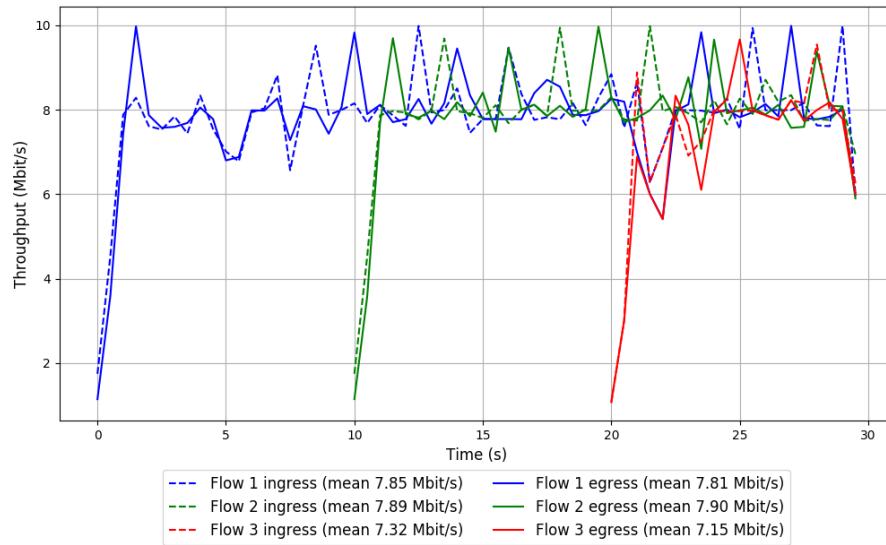
Run 9: Statistics of Sprout

Start at: 2017-12-01 04:06:58

End at: 2017-12-01 04:07:28

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 51.489 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 51.523 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 51.340 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 51.571 ms
Loss rate: 2.95%
```

## Run 9: Report of Sprout — Data Link



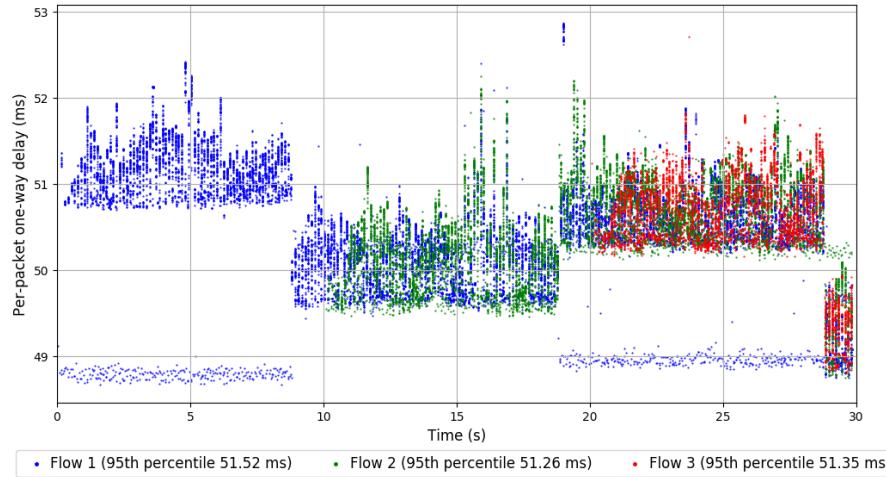
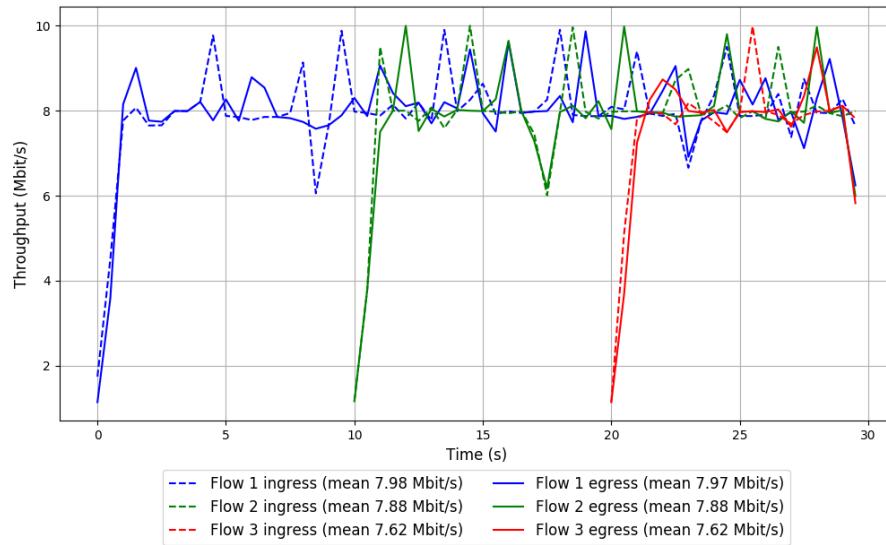
Run 10: Statistics of Sprout

Start at: 2017-12-01 04:19:29

End at: 2017-12-01 04:19:59

```
# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 51.424 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 51.516 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 51.347 ms
Loss rate: 1.33%
```

## Run 10: Report of Sprout — Data Link



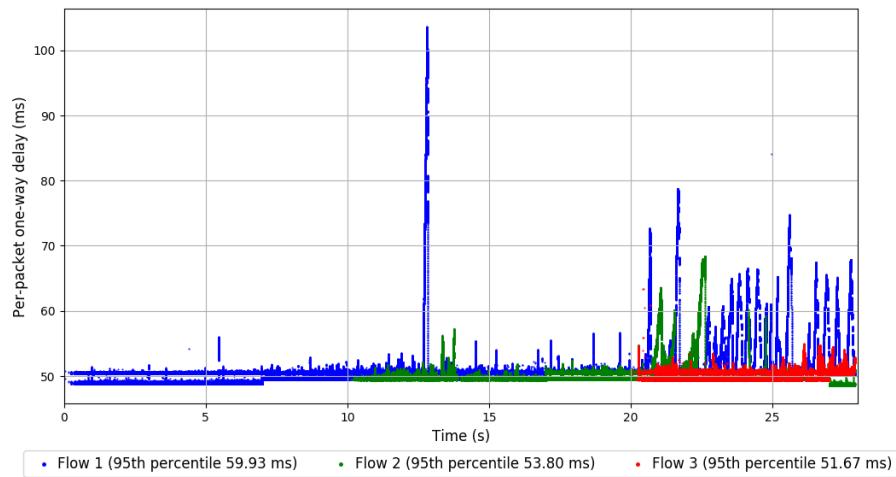
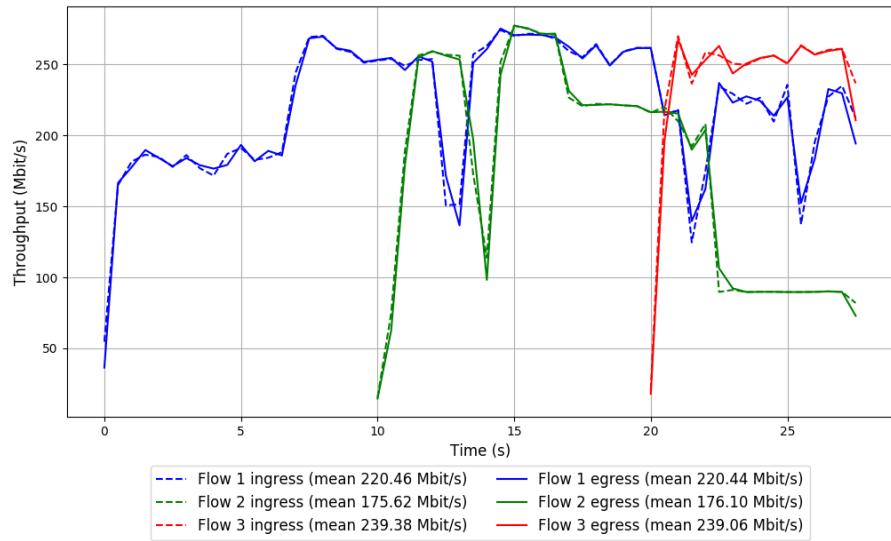
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-01 02:18:49

End at: 2017-12-01 02:19:19

```
# Below is generated by plot.py at 2017-12-01 07:09:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 400.54 Mbit/s
95th percentile per-packet one-way delay: 56.085 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 220.44 Mbit/s
95th percentile per-packet one-way delay: 59.932 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 176.10 Mbit/s
95th percentile per-packet one-way delay: 53.800 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 239.06 Mbit/s
95th percentile per-packet one-way delay: 51.667 ms
Loss rate: 1.39%
```

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



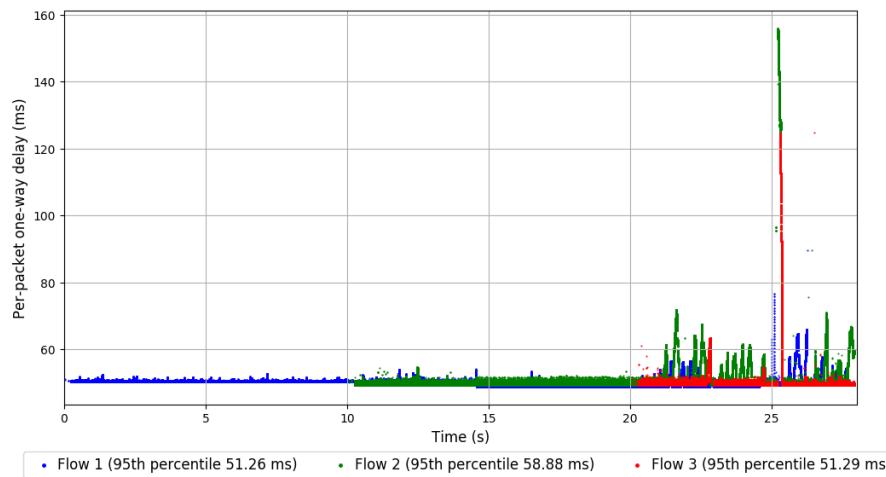
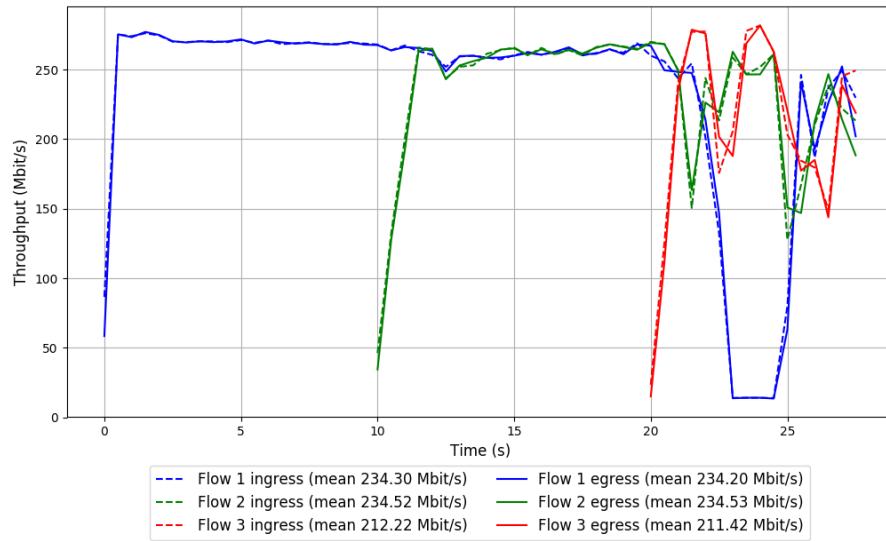
Run 2: Statistics of TaoVA-100x

Start at: 2017-12-01 02:31:21

End at: 2017-12-01 02:31:51

```
# Below is generated by plot.py at 2017-12-01 07:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.79 Mbit/s
95th percentile per-packet one-way delay: 53.912 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 234.20 Mbit/s
95th percentile per-packet one-way delay: 51.258 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 234.53 Mbit/s
95th percentile per-packet one-way delay: 58.875 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 211.42 Mbit/s
95th percentile per-packet one-way delay: 51.286 ms
Loss rate: 1.64%
```

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



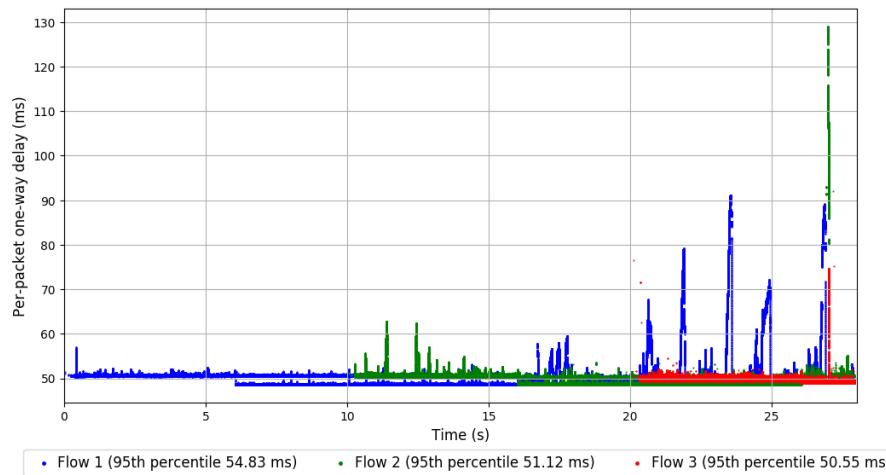
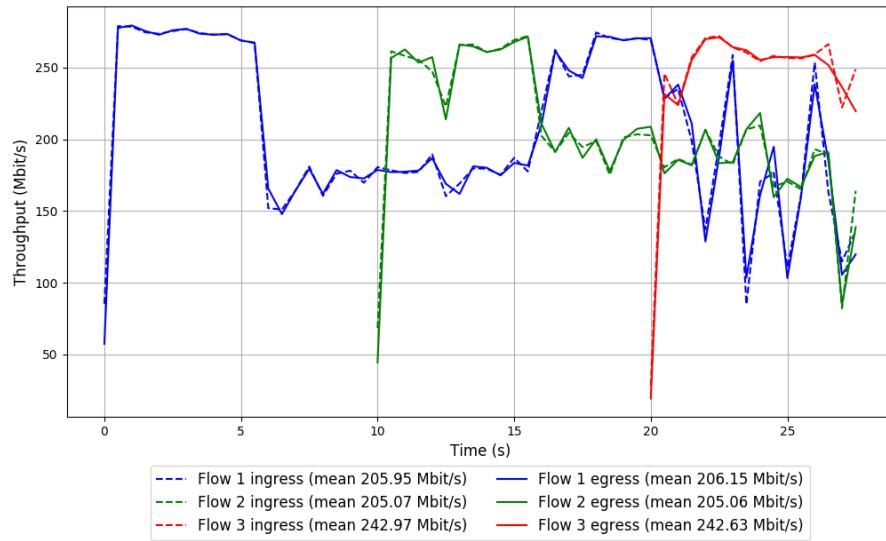
Run 3: Statistics of TaoVA-100x

Start at: 2017-12-01 02:44:00

End at: 2017-12-01 02:44:30

```
# Below is generated by plot.py at 2017-12-01 07:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.58 Mbit/s
95th percentile per-packet one-way delay: 51.800 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 206.15 Mbit/s
95th percentile per-packet one-way delay: 54.831 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 205.06 Mbit/s
95th percentile per-packet one-way delay: 51.116 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 242.63 Mbit/s
95th percentile per-packet one-way delay: 50.553 ms
Loss rate: 1.41%
```

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



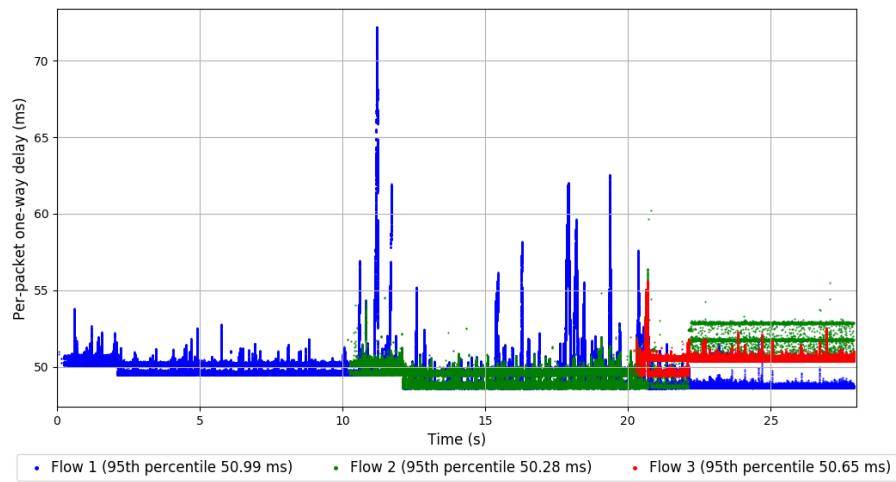
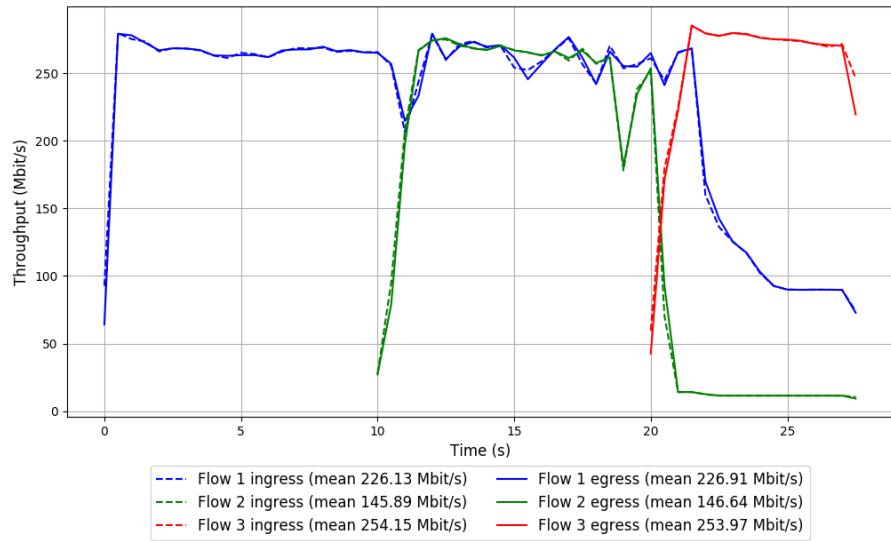
Run 4: Statistics of TaoVA-100x

Start at: 2017-12-01 02:56:44

End at: 2017-12-01 02:57:14

```
# Below is generated by plot.py at 2017-12-01 07:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.08 Mbit/s
95th percentile per-packet one-way delay: 50.653 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 226.91 Mbit/s
95th percentile per-packet one-way delay: 50.994 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 146.64 Mbit/s
95th percentile per-packet one-way delay: 50.277 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 253.97 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 1.36%
```

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



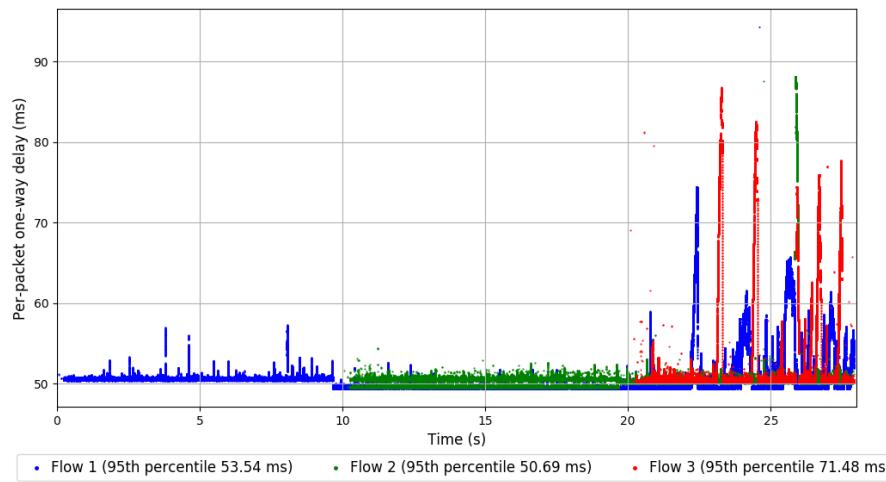
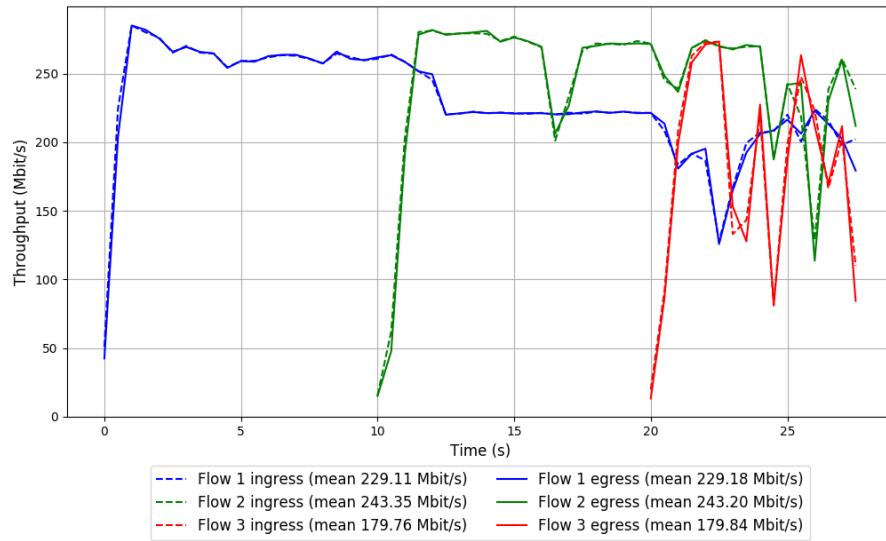
Run 5: Statistics of TaoVA-100x

Start at: 2017-12-01 03:09:16

End at: 2017-12-01 03:09:46

```
# Below is generated by plot.py at 2017-12-01 07:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.55 Mbit/s
95th percentile per-packet one-way delay: 53.173 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 229.18 Mbit/s
95th percentile per-packet one-way delay: 53.539 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 243.20 Mbit/s
95th percentile per-packet one-way delay: 50.688 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 179.84 Mbit/s
95th percentile per-packet one-way delay: 71.485 ms
Loss rate: 1.22%
```

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



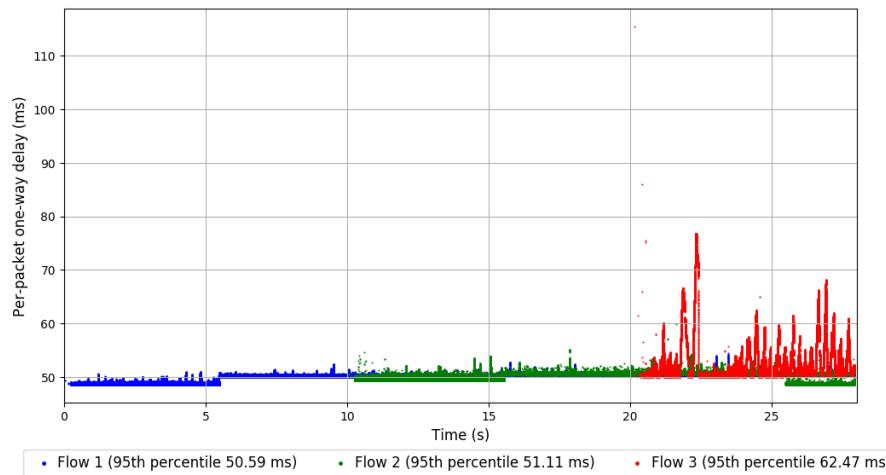
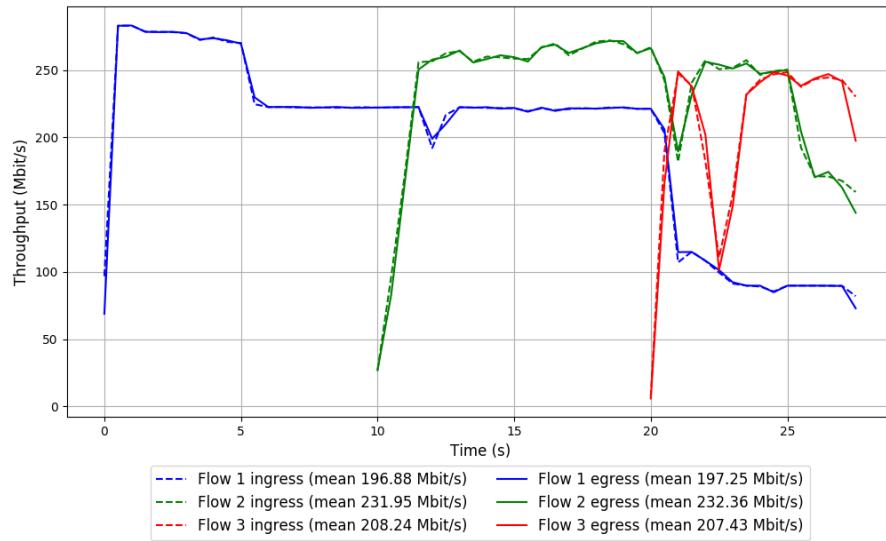
Run 6: Statistics of TaoVA-100x

Start at: 2017-12-01 03:21:50

End at: 2017-12-01 03:22:20

```
# Below is generated by plot.py at 2017-12-01 07:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.39 Mbit/s
95th percentile per-packet one-way delay: 52.821 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 197.25 Mbit/s
95th percentile per-packet one-way delay: 50.590 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 232.36 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 207.43 Mbit/s
95th percentile per-packet one-way delay: 62.474 ms
Loss rate: 1.66%
```

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



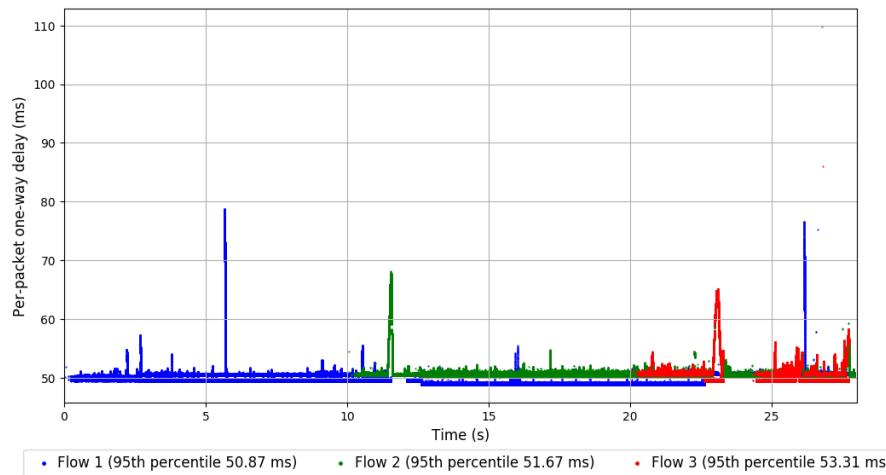
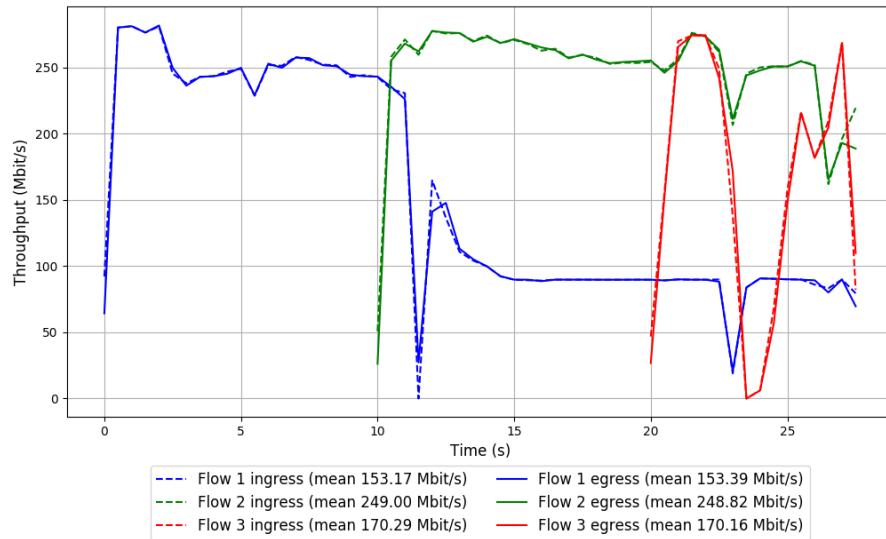
Run 7: Statistics of TaoVA-100x

Start at: 2017-12-01 03:34:23

End at: 2017-12-01 03:34:53

```
# Below is generated by plot.py at 2017-12-01 07:15:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.41 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 153.39 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 248.82 Mbit/s
95th percentile per-packet one-way delay: 51.671 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 170.16 Mbit/s
95th percentile per-packet one-way delay: 53.306 ms
Loss rate: 0.00%
```

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



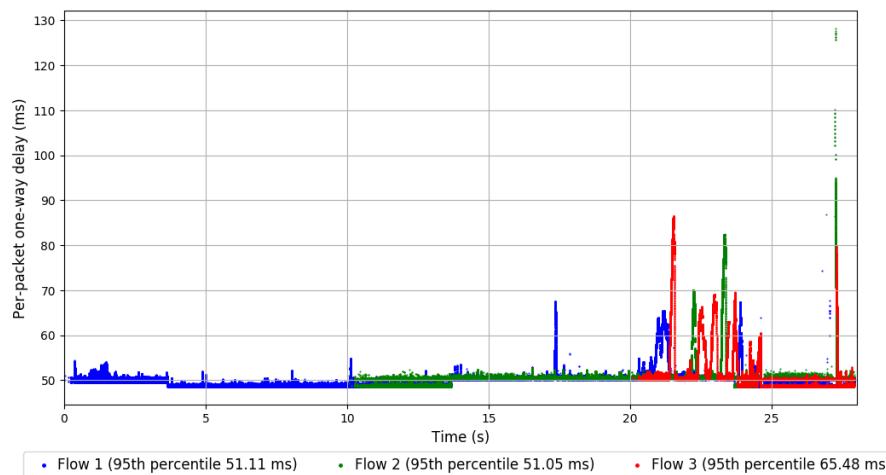
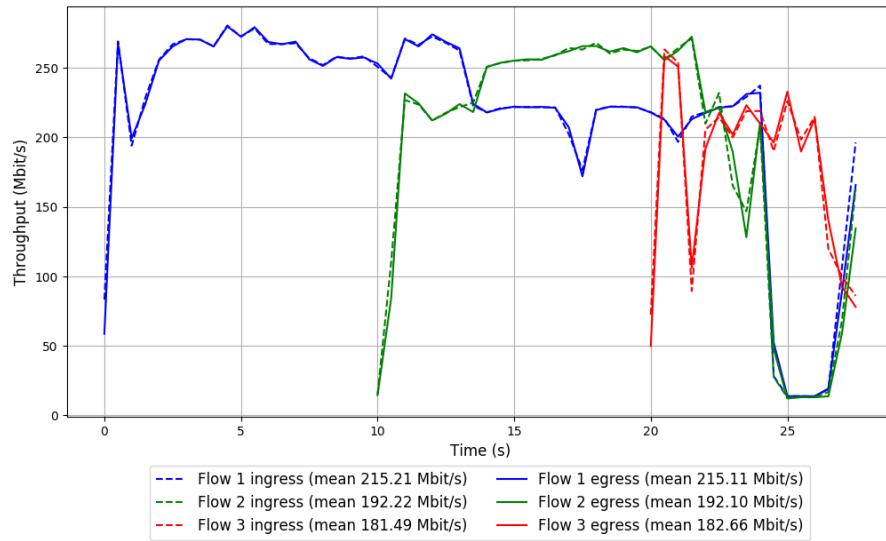
Run 8: Statistics of TaoVA-100x

Start at: 2017-12-01 03:46:52

End at: 2017-12-01 03:47:22

```
# Below is generated by plot.py at 2017-12-01 07:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 389.40 Mbit/s
95th percentile per-packet one-way delay: 52.498 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 215.11 Mbit/s
95th percentile per-packet one-way delay: 51.109 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 192.10 Mbit/s
95th percentile per-packet one-way delay: 51.045 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 182.66 Mbit/s
95th percentile per-packet one-way delay: 65.481 ms
Loss rate: 0.65%
```

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



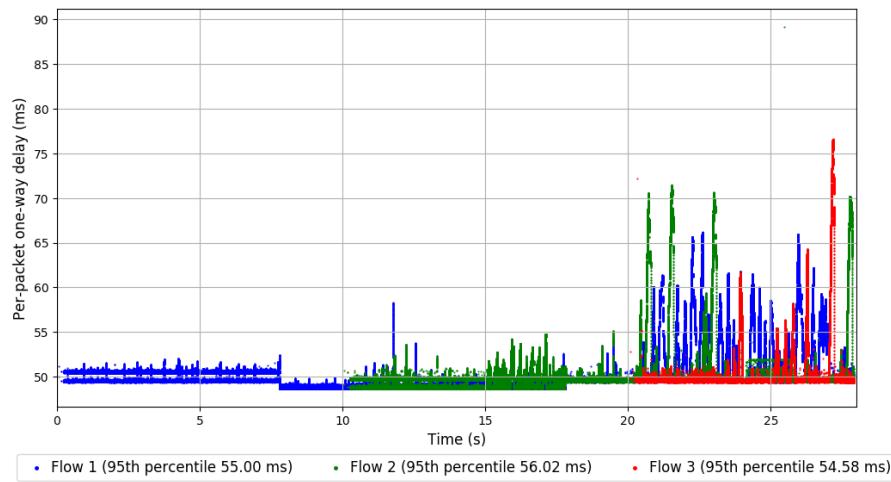
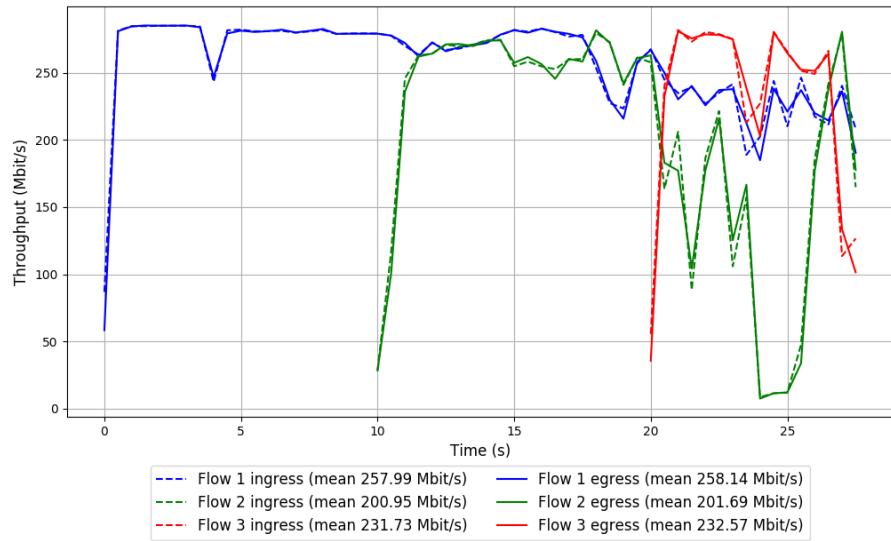
Run 9: Statistics of TaoVA-100x

Start at: 2017-12-01 03:59:28

End at: 2017-12-01 03:59:58

```
# Below is generated by plot.py at 2017-12-01 07:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.75 Mbit/s
95th percentile per-packet one-way delay: 55.075 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 258.14 Mbit/s
95th percentile per-packet one-way delay: 55.003 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 201.69 Mbit/s
95th percentile per-packet one-way delay: 56.021 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 232.57 Mbit/s
95th percentile per-packet one-way delay: 54.581 ms
Loss rate: 0.89%
```

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



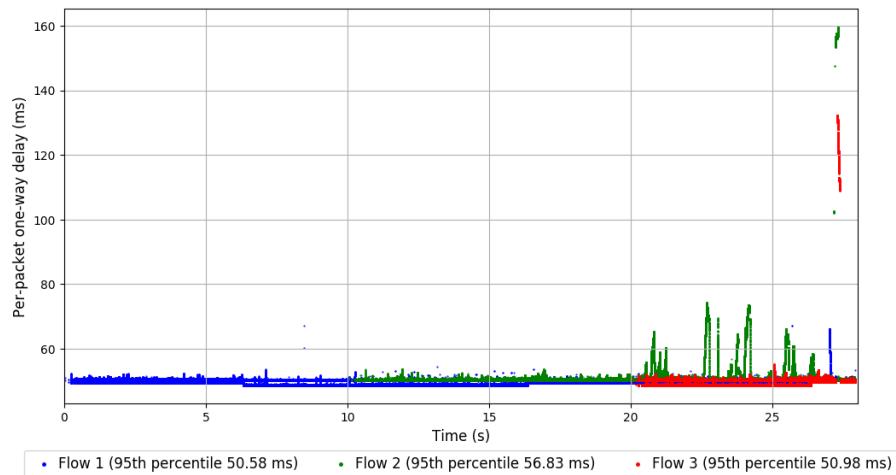
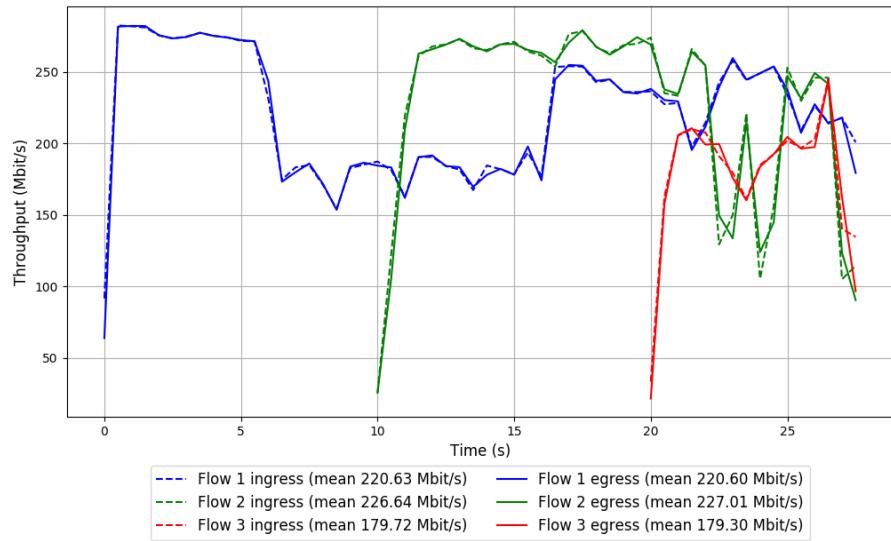
Run 10: Statistics of TaoVA-100x

Start at: 2017-12-01 04:12:10

End at: 2017-12-01 04:12:40

```
# Below is generated by plot.py at 2017-12-01 07:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.43 Mbit/s
95th percentile per-packet one-way delay: 51.308 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 220.60 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 227.01 Mbit/s
95th percentile per-packet one-way delay: 56.827 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 179.30 Mbit/s
95th percentile per-packet one-way delay: 50.977 ms
Loss rate: 1.48%
```

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



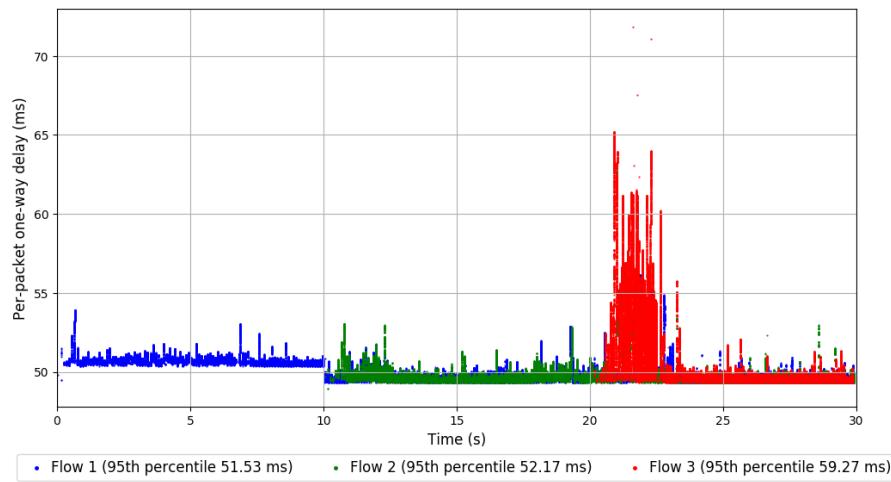
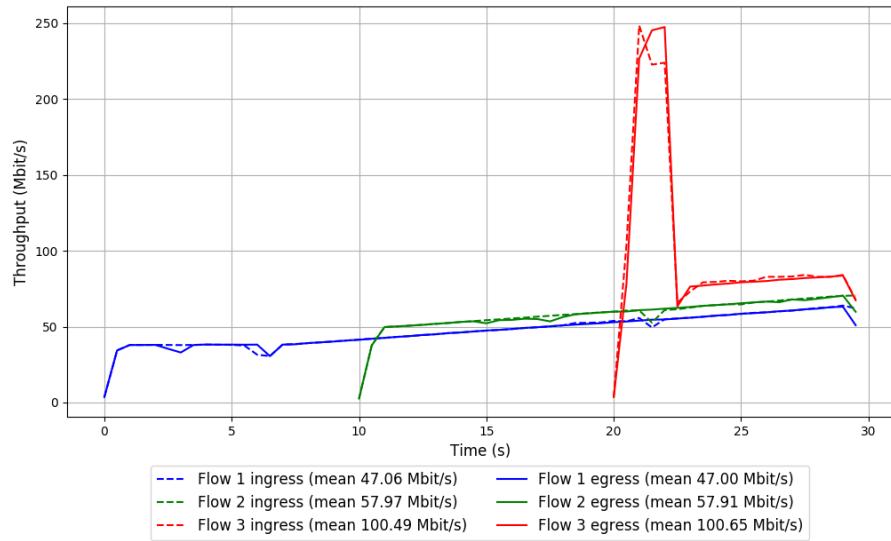
Run 1: Statistics of TCP Vegas

Start at: 2017-12-01 02:21:28

End at: 2017-12-01 02:21:58

```
# Below is generated by plot.py at 2017-12-01 07:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.52 Mbit/s
95th percentile per-packet one-way delay: 55.064 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 47.00 Mbit/s
95th percentile per-packet one-way delay: 51.526 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 52.171 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 100.65 Mbit/s
95th percentile per-packet one-way delay: 59.270 ms
Loss rate: 0.85%
```

Run 1: Report of TCP Vegas — Data Link



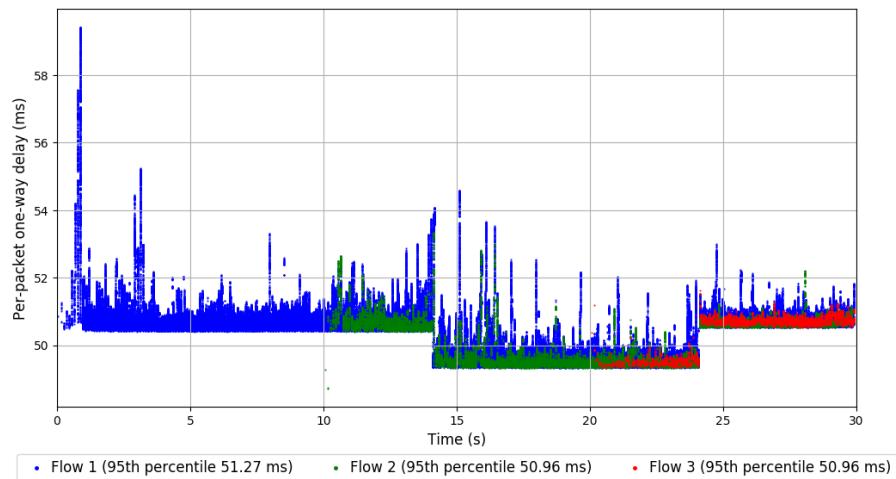
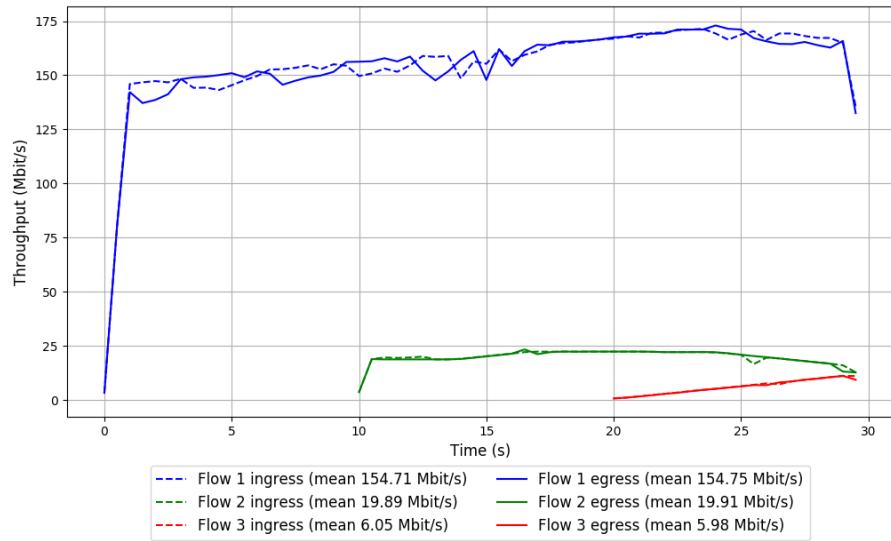
Run 2: Statistics of TCP Vegas

Start at: 2017-12-01 02:34:04

End at: 2017-12-01 02:34:34

```
# Below is generated by plot.py at 2017-12-01 07:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 169.92 Mbit/s
95th percentile per-packet one-way delay: 51.238 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 154.75 Mbit/s
95th percentile per-packet one-way delay: 51.267 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 50.958 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 50.964 ms
Loss rate: 2.10%
```

## Run 2: Report of TCP Vegas — Data Link



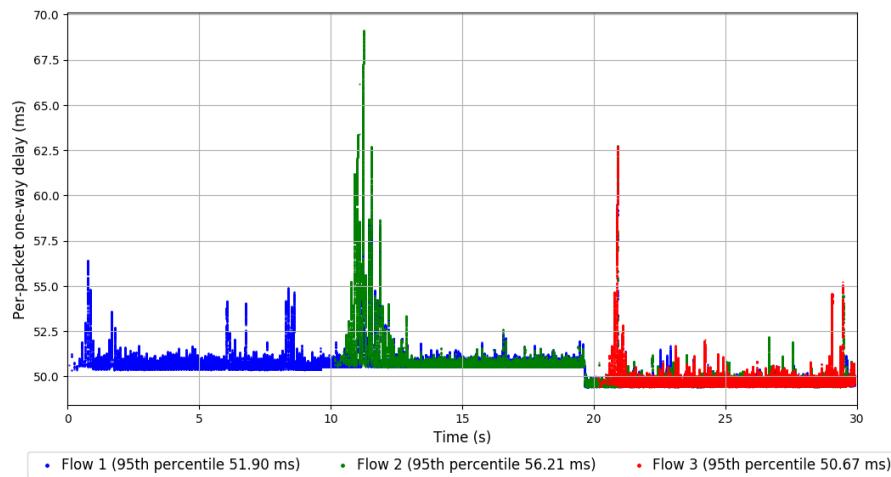
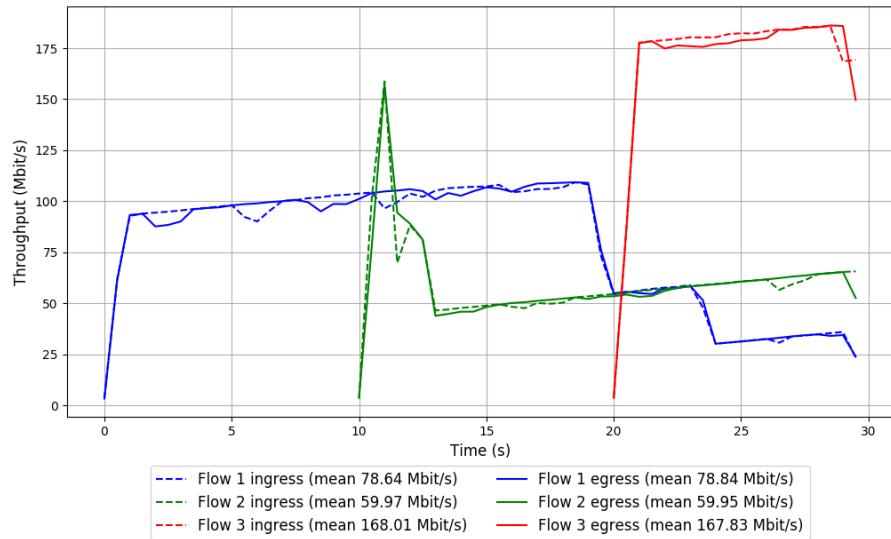
Run 3: Statistics of TCP Vegas

Start at: 2017-12-01 02:46:38

End at: 2017-12-01 02:47:08

```
# Below is generated by plot.py at 2017-12-01 07:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 173.95 Mbit/s
95th percentile per-packet one-way delay: 52.151 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 51.904 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 56.210 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 167.83 Mbit/s
95th percentile per-packet one-way delay: 50.669 ms
Loss rate: 1.12%
```

Run 3: Report of TCP Vegas — Data Link



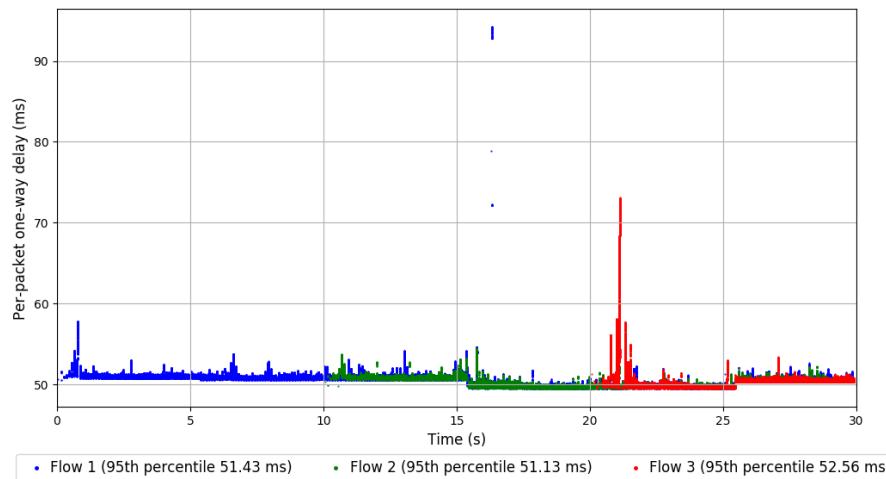
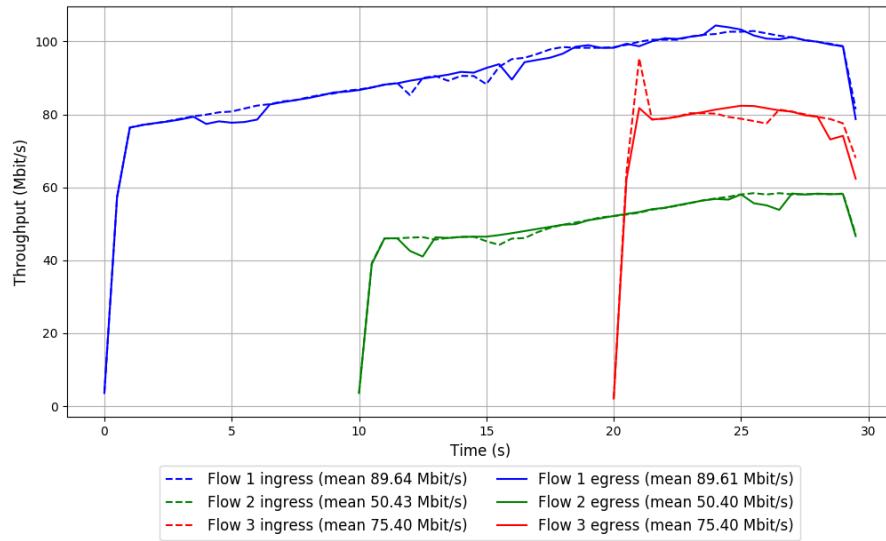
Run 4: Statistics of TCP Vegas

Start at: 2017-12-01 02:59:22

End at: 2017-12-01 02:59:52

```
# Below is generated by plot.py at 2017-12-01 07:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.93 Mbit/s
95th percentile per-packet one-way delay: 51.399 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 51.431 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 50.40 Mbit/s
95th percentile per-packet one-way delay: 51.129 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 52.560 ms
Loss rate: 1.02%
```

## Run 4: Report of TCP Vegas — Data Link



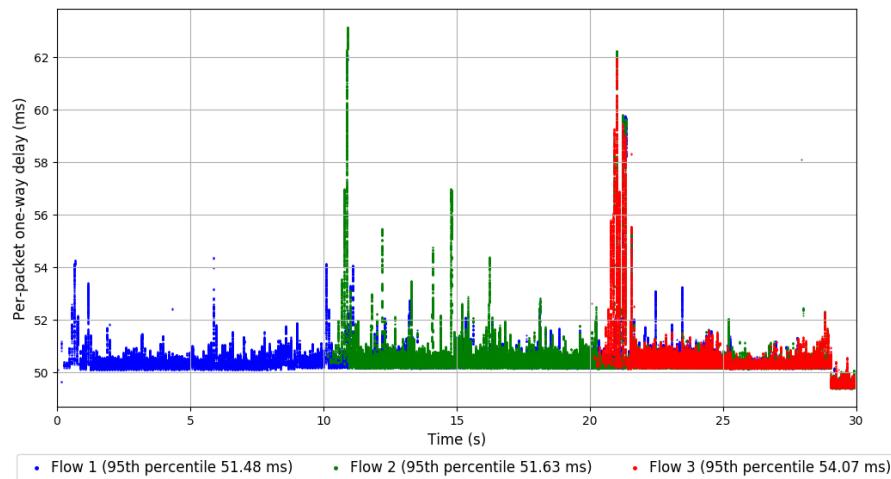
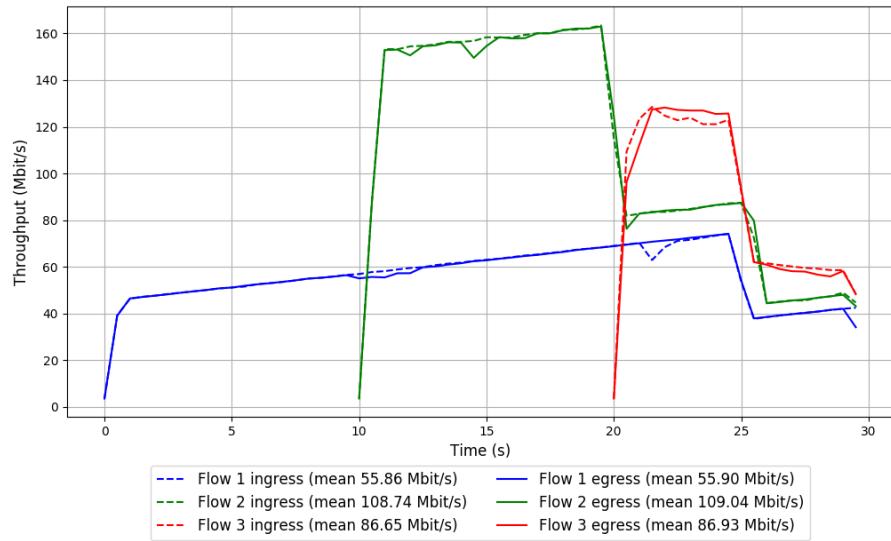
Run 5: Statistics of TCP Vegas

Start at: 2017-12-01 03:11:59

End at: 2017-12-01 03:12:29

```
# Below is generated by plot.py at 2017-12-01 07:22:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 156.96 Mbit/s
95th percentile per-packet one-way delay: 51.809 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 51.482 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 109.04 Mbit/s
95th percentile per-packet one-way delay: 51.633 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 54.072 ms
Loss rate: 0.69%
```

Run 5: Report of TCP Vegas — Data Link



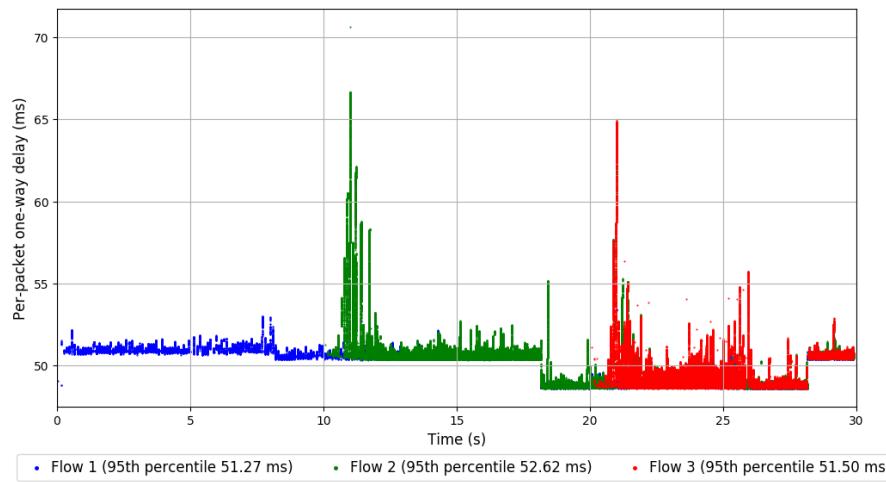
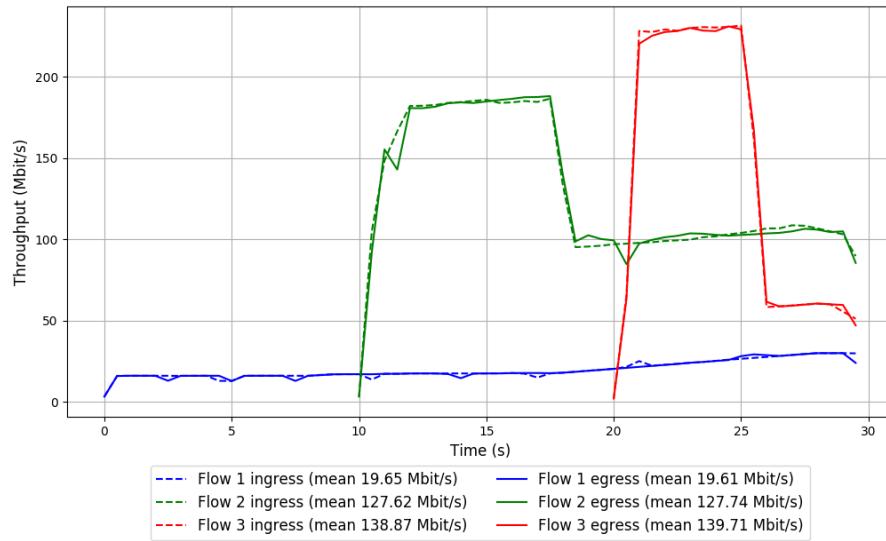
Run 6: Statistics of TCP Vegas

Start at: 2017-12-01 03:24:30

End at: 2017-12-01 03:25:00

```
# Below is generated by plot.py at 2017-12-01 07:22:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 150.50 Mbit/s
95th percentile per-packet one-way delay: 51.777 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 51.274 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 127.74 Mbit/s
95th percentile per-packet one-way delay: 52.620 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 139.71 Mbit/s
95th percentile per-packet one-way delay: 51.501 ms
Loss rate: 0.42%
```

Run 6: Report of TCP Vegas — Data Link



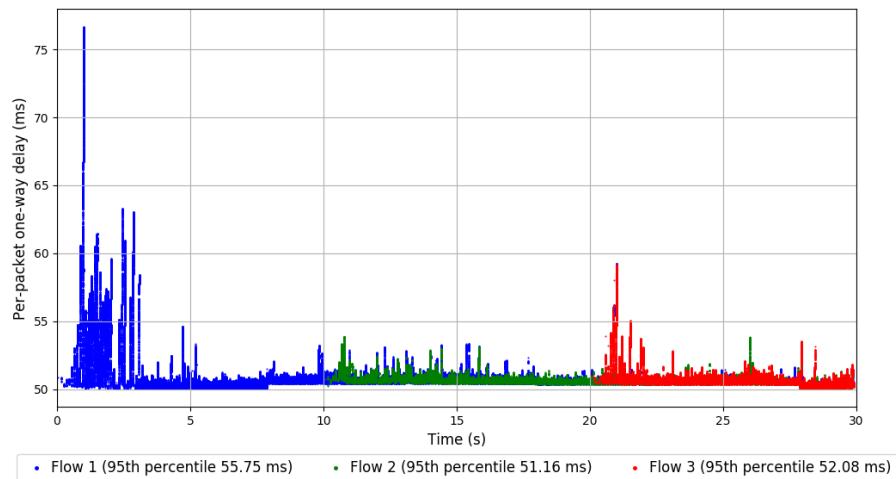
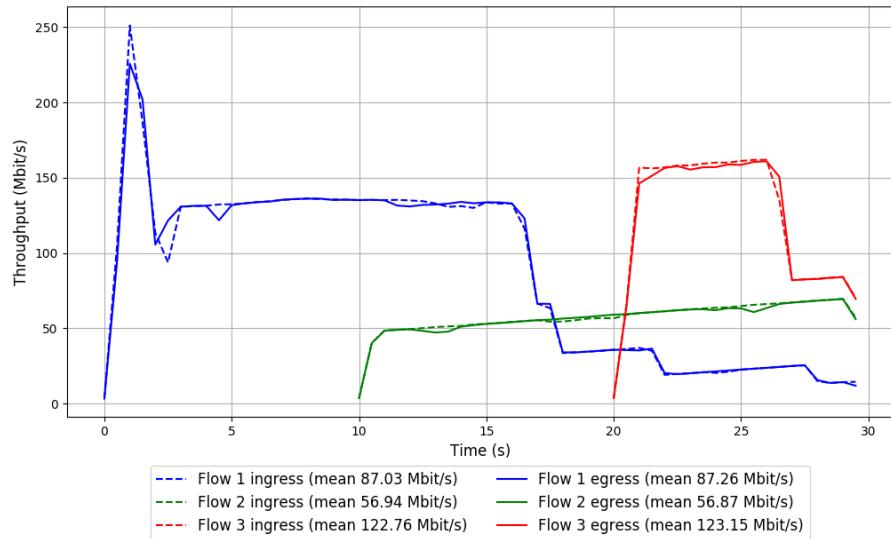
Run 7: Statistics of TCP Vegas

Start at: 2017-12-01 03:37:00

End at: 2017-12-01 03:37:30

```
# Below is generated by plot.py at 2017-12-01 07:22:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 165.51 Mbit/s
95th percentile per-packet one-way delay: 53.392 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 55.754 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 51.163 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 123.15 Mbit/s
95th percentile per-packet one-way delay: 52.081 ms
Loss rate: 0.70%
```

### Run 7: Report of TCP Vegas — Data Link



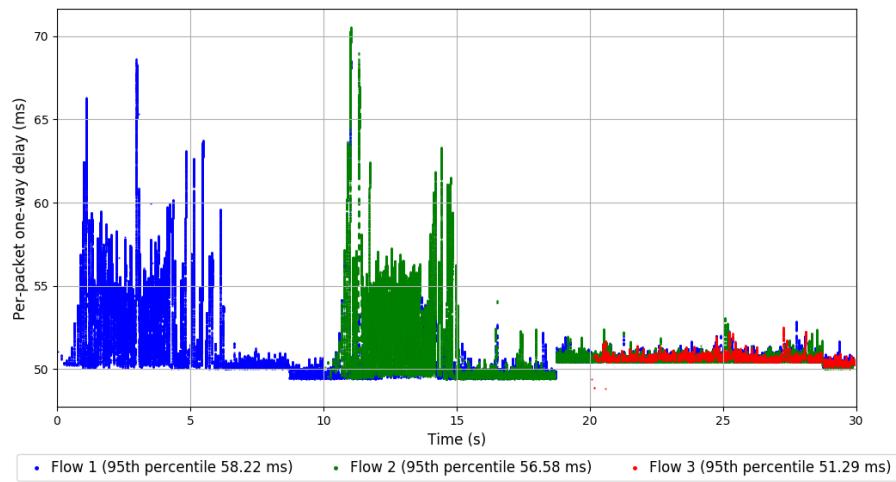
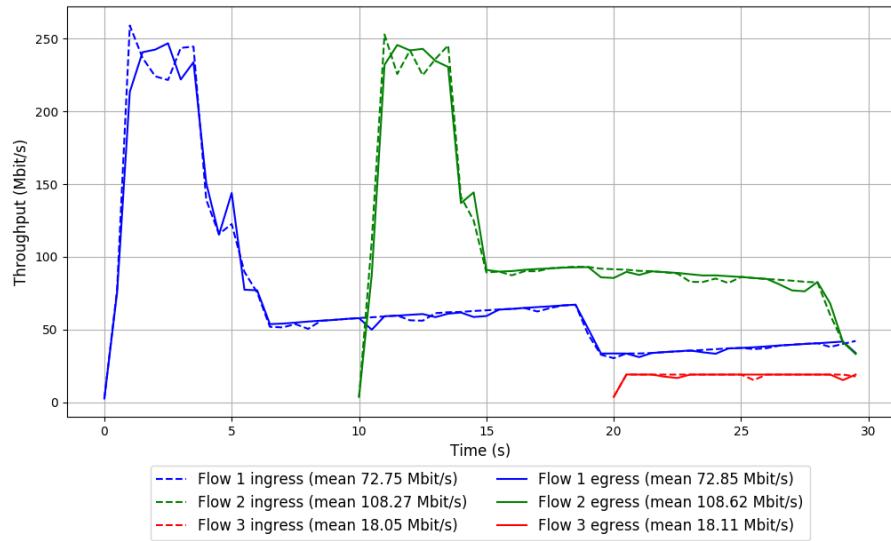
Run 8: Statistics of TCP Vegas

Start at: 2017-12-01 03:49:29

End at: 2017-12-01 03:49:59

```
# Below is generated by plot.py at 2017-12-01 07:22:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 150.86 Mbit/s
95th percentile per-packet one-way delay: 57.499 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 72.85 Mbit/s
95th percentile per-packet one-way delay: 58.219 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 108.62 Mbit/s
95th percentile per-packet one-way delay: 56.575 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 51.288 ms
Loss rate: 0.70%
```

Run 8: Report of TCP Vegas — Data Link



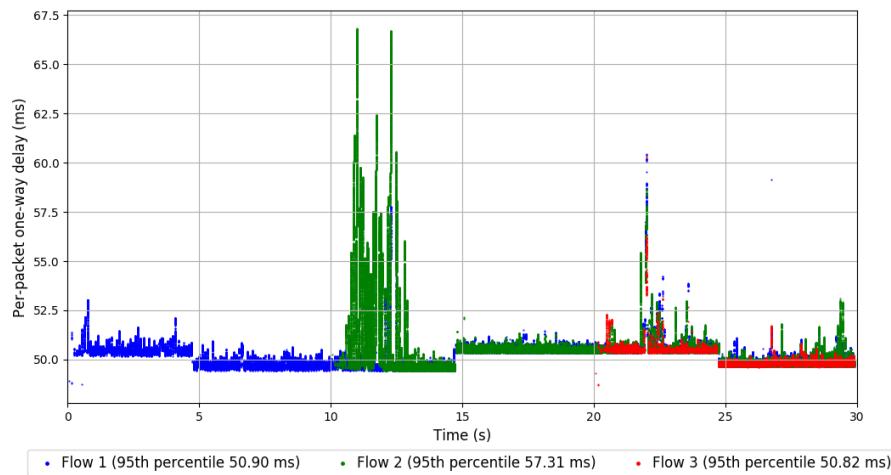
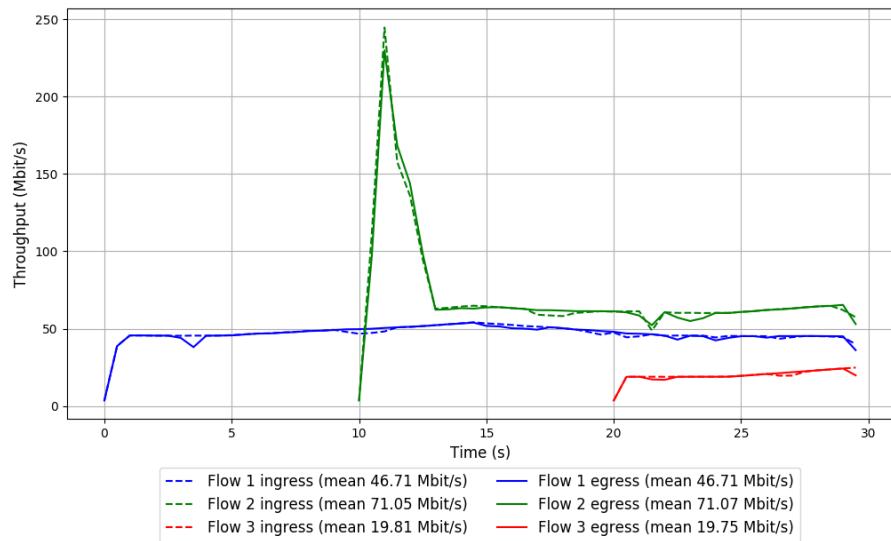
Run 9: Statistics of TCP Vegas

Start at: 2017-12-01 04:02:13

End at: 2017-12-01 04:02:43

```
# Below is generated by plot.py at 2017-12-01 07:22:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.43 Mbit/s
95th percentile per-packet one-way delay: 54.923 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 50.903 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 57.315 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: 50.823 ms
Loss rate: 1.28%
```

### Run 9: Report of TCP Vegas — Data Link



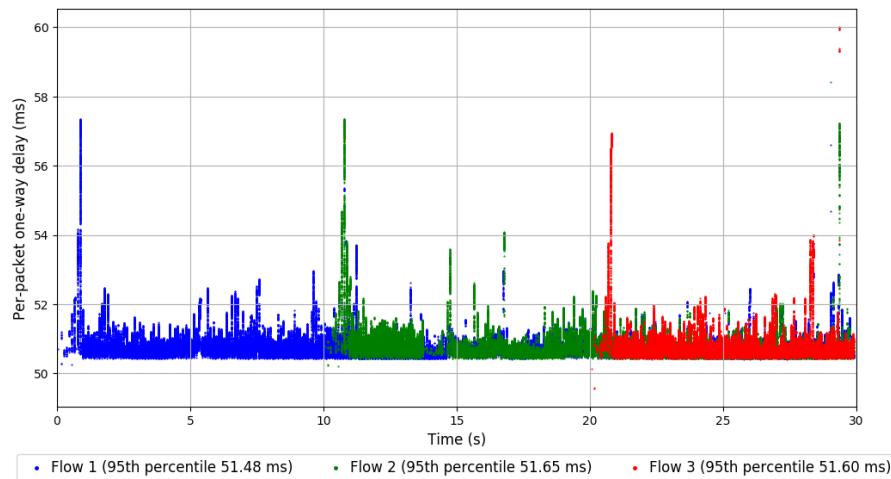
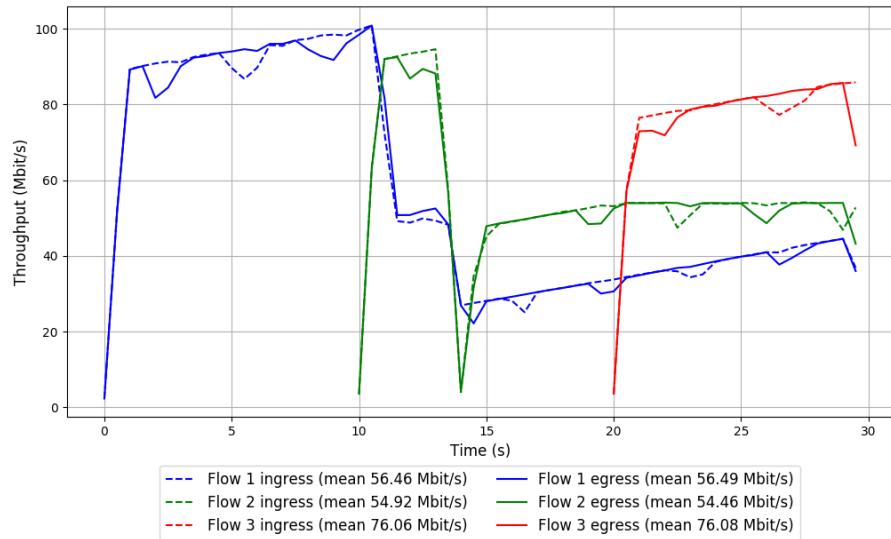
Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 04:14:50

End at: 2017-12-01 04:15:20

```
# Below is generated by plot.py at 2017-12-01 07:22:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.70 Mbit/s
95th percentile per-packet one-way delay: 51.566 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 51.485 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 54.46 Mbit/s
95th percentile per-packet one-way delay: 51.651 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 51.605 ms
Loss rate: 1.14%
```

Run 10: Report of TCP Vegas — Data Link



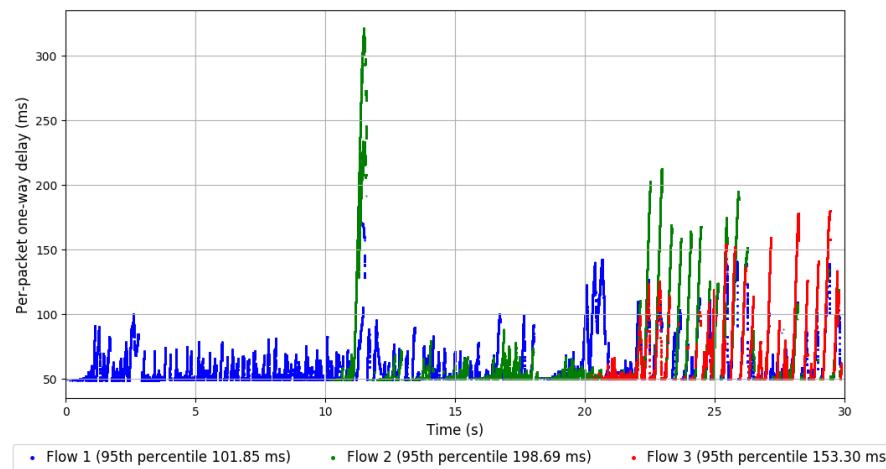
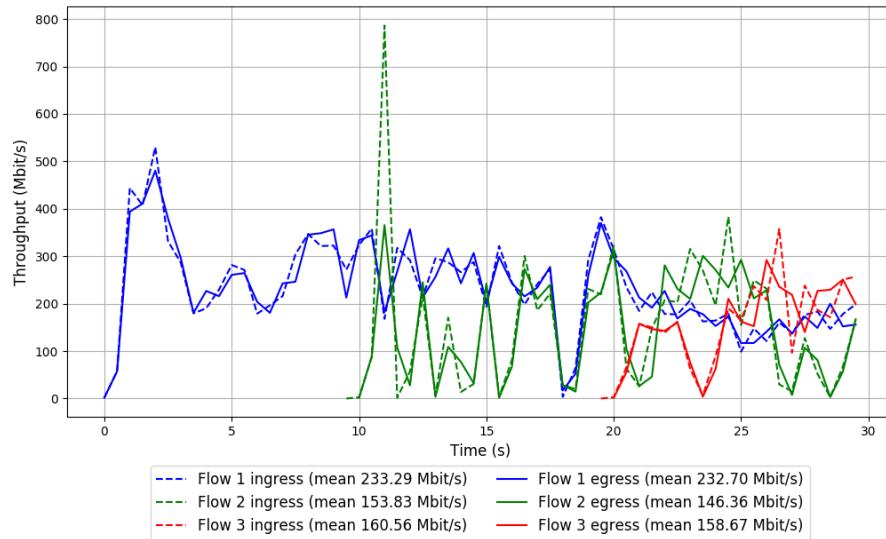
```
Run 1: Statistics of Verus
```

```
Start at: 2017-12-01 02:23:04
```

```
End at: 2017-12-01 02:23:34
```

```
# Below is generated by plot.py at 2017-12-01 07:22:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.95 Mbit/s
95th percentile per-packet one-way delay: 146.051 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 232.70 Mbit/s
95th percentile per-packet one-way delay: 101.854 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 146.36 Mbit/s
95th percentile per-packet one-way delay: 198.685 ms
Loss rate: 5.47%
-- Flow 3:
Average throughput: 158.67 Mbit/s
95th percentile per-packet one-way delay: 153.302 ms
Loss rate: 2.23%
```

## Run 1: Report of Verus — Data Link



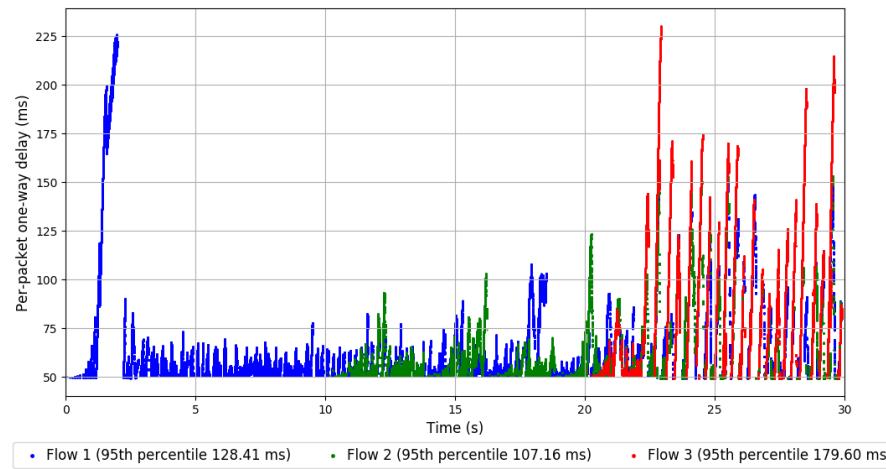
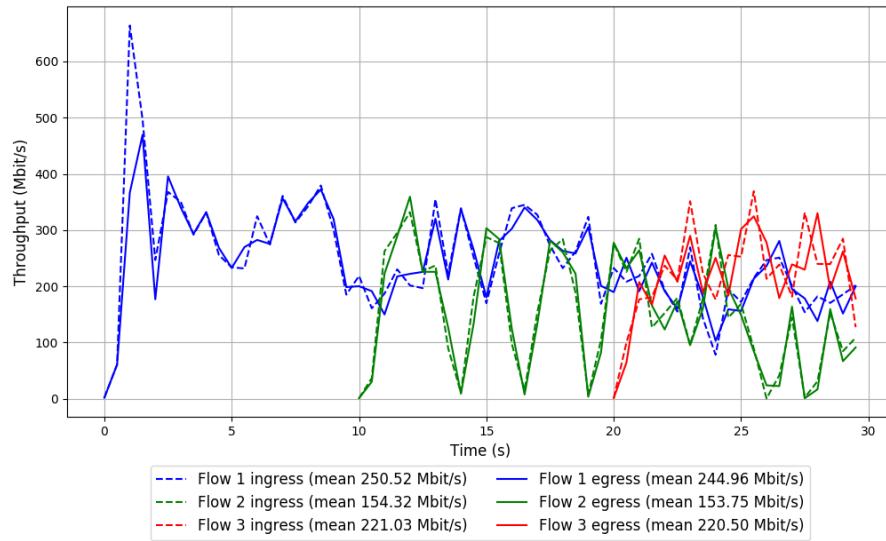
Run 2: Statistics of Verus

Start at: 2017-12-01 02:35:45

End at: 2017-12-01 02:36:15

```
# Below is generated by plot.py at 2017-12-01 07:23:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 419.75 Mbit/s
95th percentile per-packet one-way delay: 143.410 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 244.96 Mbit/s
95th percentile per-packet one-way delay: 128.411 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 153.75 Mbit/s
95th percentile per-packet one-way delay: 107.163 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 220.50 Mbit/s
95th percentile per-packet one-way delay: 179.600 ms
Loss rate: 1.30%
```

Run 2: Report of Verus — Data Link



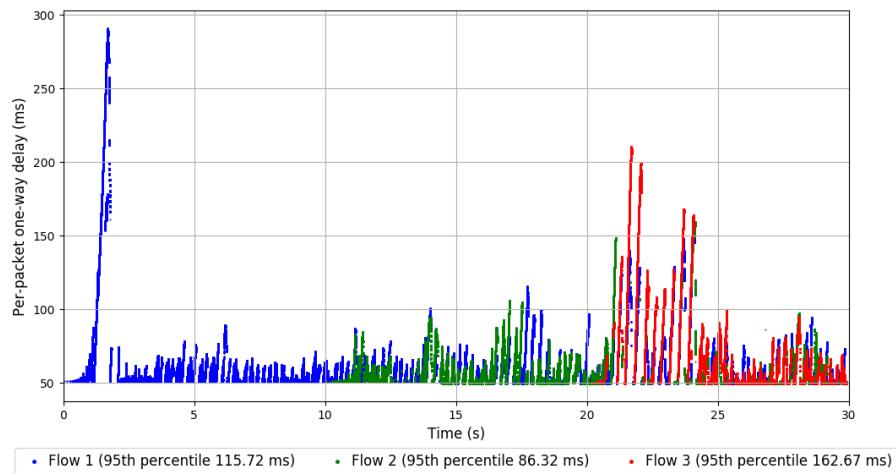
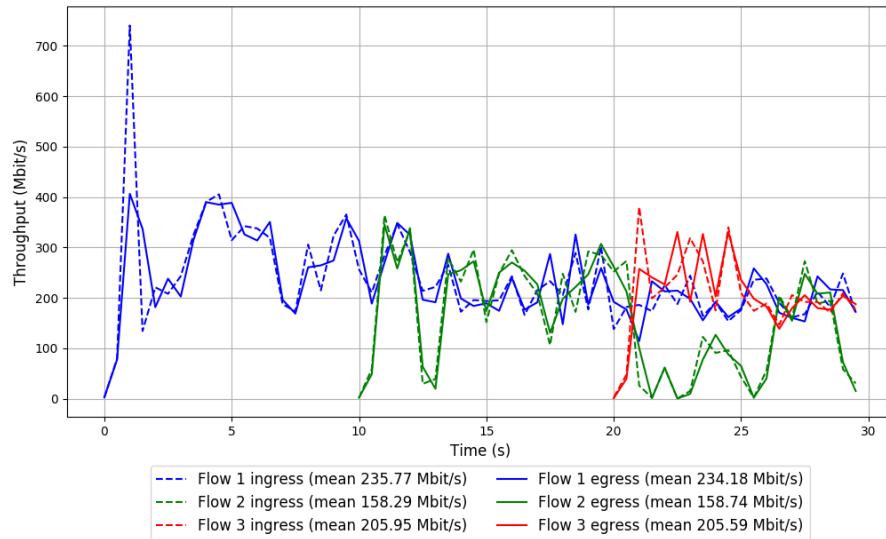
Run 3: Statistics of Verus

Start at: 2017-12-01 02:48:23

End at: 2017-12-01 02:48:53

```
# Below is generated by plot.py at 2017-12-01 07:23:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 406.30 Mbit/s
95th percentile per-packet one-way delay: 123.408 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 234.18 Mbit/s
95th percentile per-packet one-way delay: 115.718 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 158.74 Mbit/s
95th percentile per-packet one-way delay: 86.316 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 205.59 Mbit/s
95th percentile per-packet one-way delay: 162.669 ms
Loss rate: 0.75%
```

### Run 3: Report of Verus — Data Link



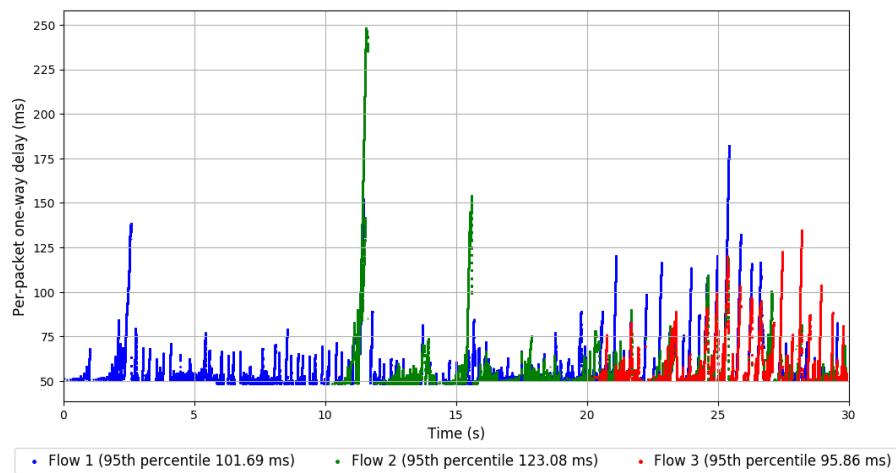
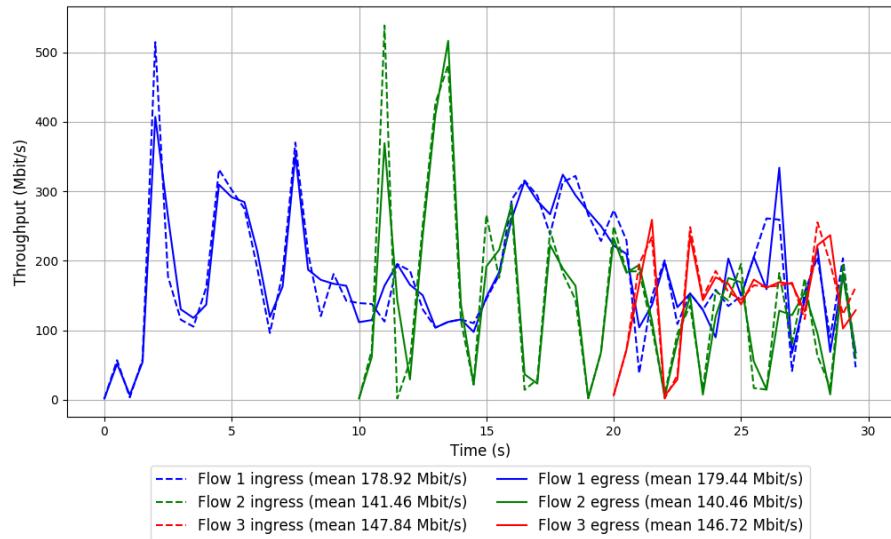
Run 4: Statistics of Verus

Start at: 2017-12-01 03:01:02

End at: 2017-12-01 03:01:32

```
# Below is generated by plot.py at 2017-12-01 07:23:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 320.85 Mbit/s
95th percentile per-packet one-way delay: 103.799 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 179.44 Mbit/s
95th percentile per-packet one-way delay: 101.692 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 140.46 Mbit/s
95th percentile per-packet one-way delay: 123.080 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 146.72 Mbit/s
95th percentile per-packet one-way delay: 95.859 ms
Loss rate: 1.83%
```

Run 4: Report of Verus — Data Link



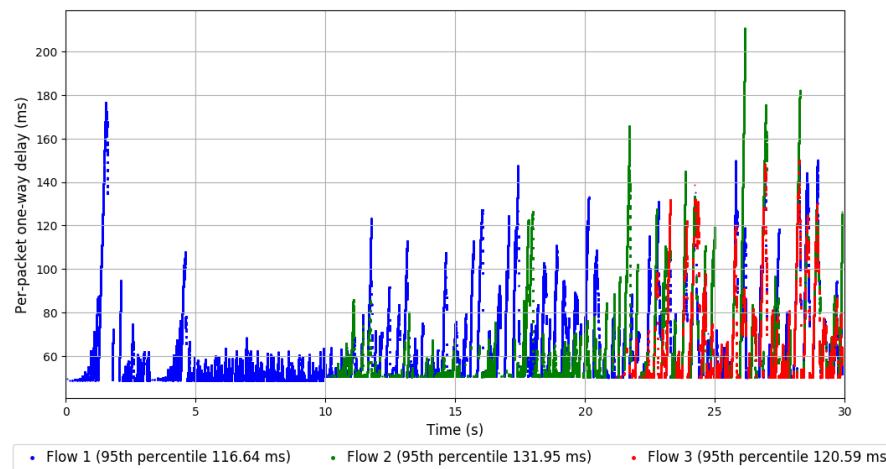
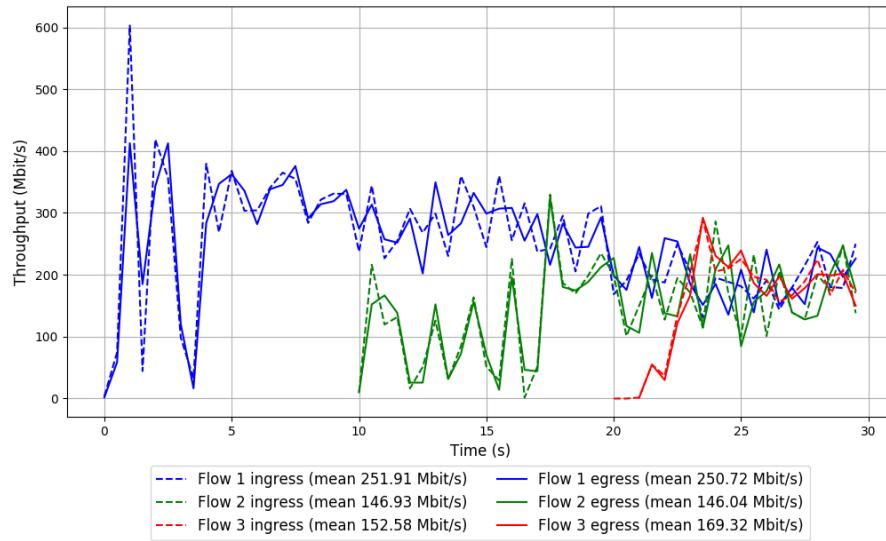
Run 5: Statistics of Verus

Start at: 2017-12-01 03:13:38

End at: 2017-12-01 03:14:08

```
# Below is generated by plot.py at 2017-12-01 07:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.89 Mbit/s
95th percentile per-packet one-way delay: 121.454 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 250.72 Mbit/s
95th percentile per-packet one-way delay: 116.637 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 146.04 Mbit/s
95th percentile per-packet one-way delay: 131.954 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 169.32 Mbit/s
95th percentile per-packet one-way delay: 120.586 ms
Loss rate: 1.43%
```

Run 5: Report of Verus — Data Link



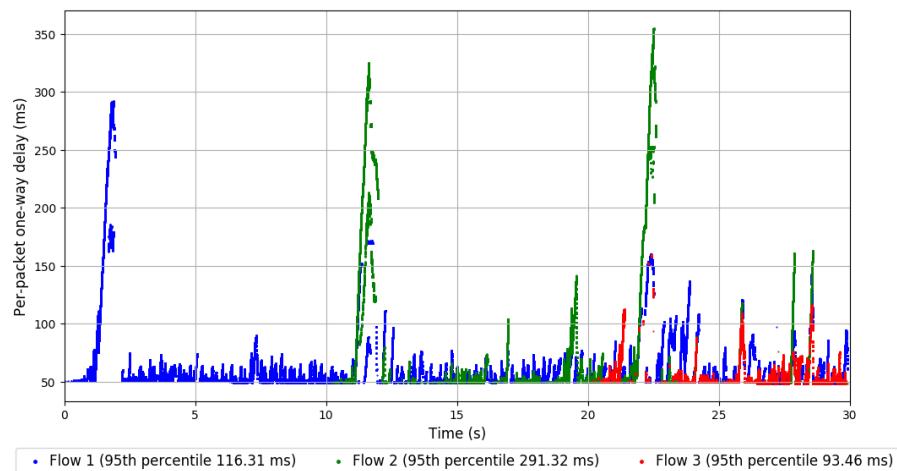
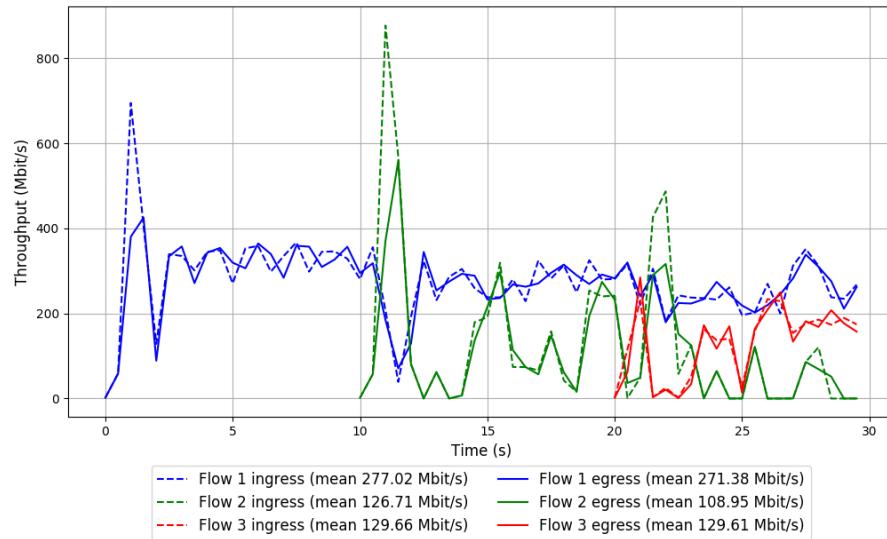
Run 6: Statistics of Verus

Start at: 2017-12-01 03:26:11

End at: 2017-12-01 03:26:41

```
# Below is generated by plot.py at 2017-12-01 07:24:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.15 Mbit/s
95th percentile per-packet one-way delay: 187.287 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 271.38 Mbit/s
95th percentile per-packet one-way delay: 116.313 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 108.95 Mbit/s
95th percentile per-packet one-way delay: 291.319 ms
Loss rate: 14.42%
-- Flow 3:
Average throughput: 129.61 Mbit/s
95th percentile per-packet one-way delay: 93.457 ms
Loss rate: 1.70%
```

Run 6: Report of Verus — Data Link



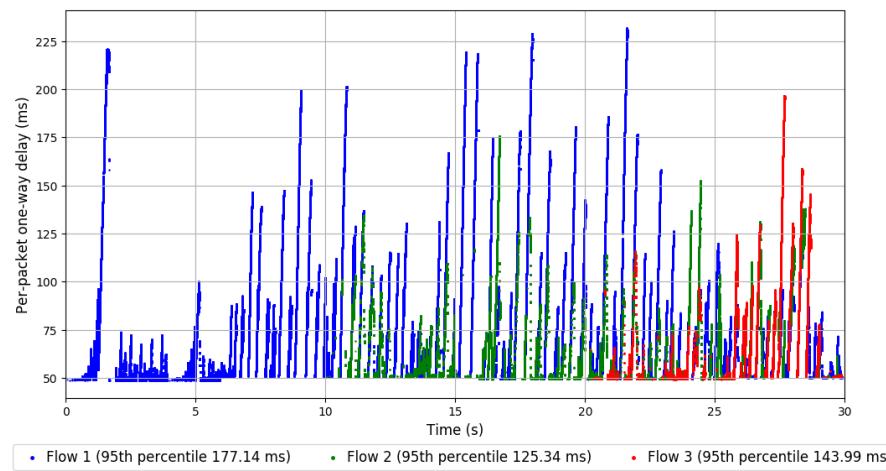
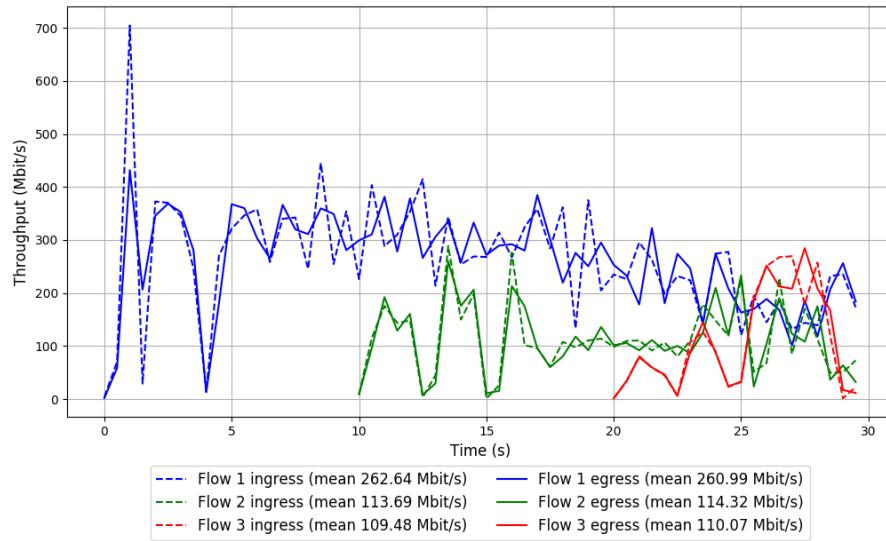
Run 7: Statistics of Verus

Start at: 2017-12-01 03:38:42

End at: 2017-12-01 03:39:12

```
# Below is generated by plot.py at 2017-12-01 07:27:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.27 Mbit/s
95th percentile per-packet one-way delay: 167.081 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 260.99 Mbit/s
95th percentile per-packet one-way delay: 177.141 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 114.32 Mbit/s
95th percentile per-packet one-way delay: 125.336 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 110.07 Mbit/s
95th percentile per-packet one-way delay: 143.994 ms
Loss rate: 0.57%
```

## Run 7: Report of Verus — Data Link



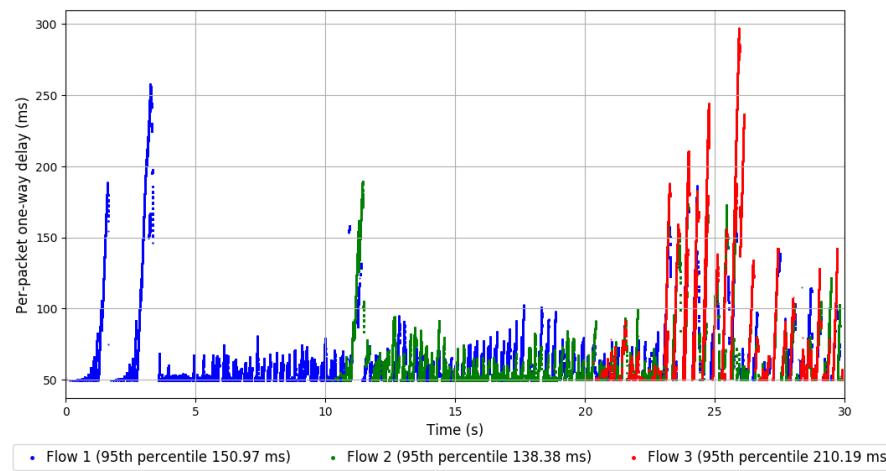
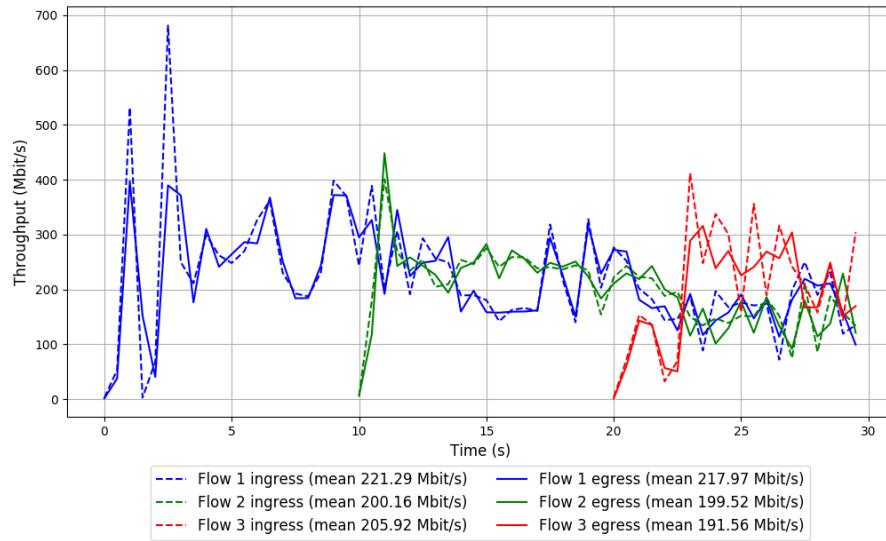
Run 8: Statistics of Verus

Start at: 2017-12-01 03:51:09

End at: 2017-12-01 03:51:39

```
# Below is generated by plot.py at 2017-12-01 07:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 412.68 Mbit/s
95th percentile per-packet one-way delay: 159.868 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 217.97 Mbit/s
95th percentile per-packet one-way delay: 150.966 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 199.52 Mbit/s
95th percentile per-packet one-way delay: 138.383 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 191.56 Mbit/s
95th percentile per-packet one-way delay: 210.193 ms
Loss rate: 7.94%
```

Run 8: Report of Verus — Data Link



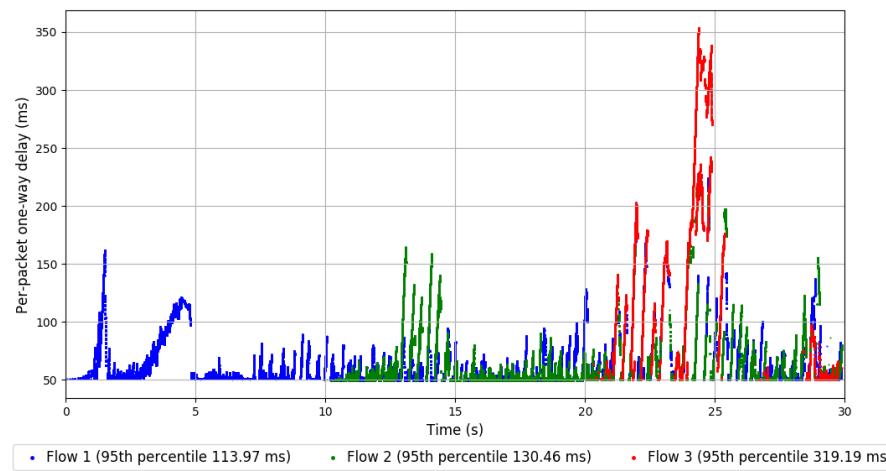
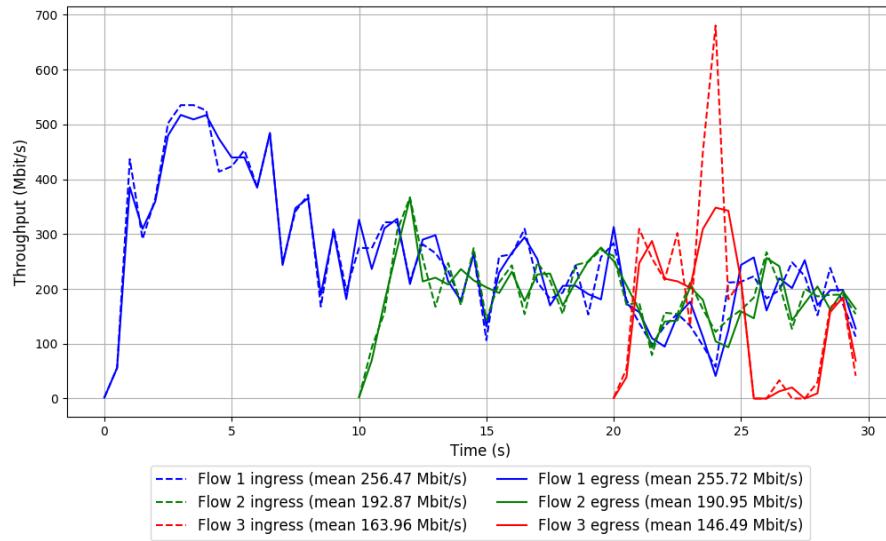
Run 9: Statistics of Verus

Start at: 2017-12-01 04:03:48

End at: 2017-12-01 04:04:18

```
# Below is generated by plot.py at 2017-12-01 07:29:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 430.41 Mbit/s
95th percentile per-packet one-way delay: 155.982 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 255.72 Mbit/s
95th percentile per-packet one-way delay: 113.966 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 190.95 Mbit/s
95th percentile per-packet one-way delay: 130.457 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 146.49 Mbit/s
95th percentile per-packet one-way delay: 319.195 ms
Loss rate: 11.55%
```

## Run 9: Report of Verus — Data Link



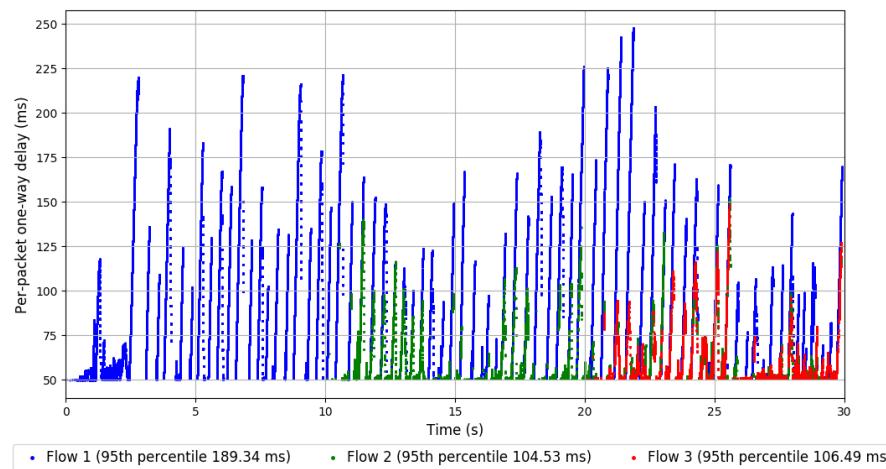
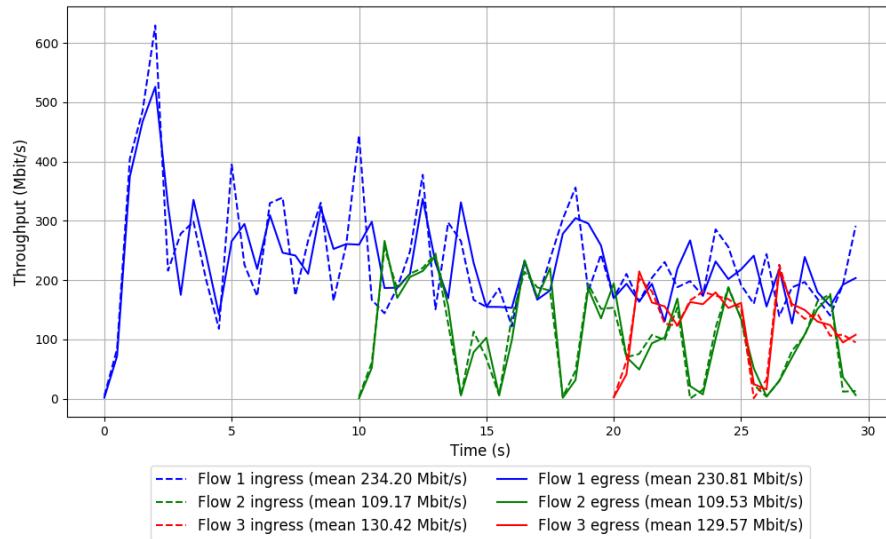
Run 10: Statistics of Verus

Start at: 2017-12-01 04:16:27

End at: 2017-12-01 04:16:57

```
# Below is generated by plot.py at 2017-12-01 07:29:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.03 Mbit/s
95th percentile per-packet one-way delay: 174.914 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 230.81 Mbit/s
95th percentile per-packet one-way delay: 189.335 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 109.53 Mbit/s
95th percentile per-packet one-way delay: 104.531 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 129.57 Mbit/s
95th percentile per-packet one-way delay: 106.491 ms
Loss rate: 0.00%
```

## Run 10: Report of Verus — Data Link



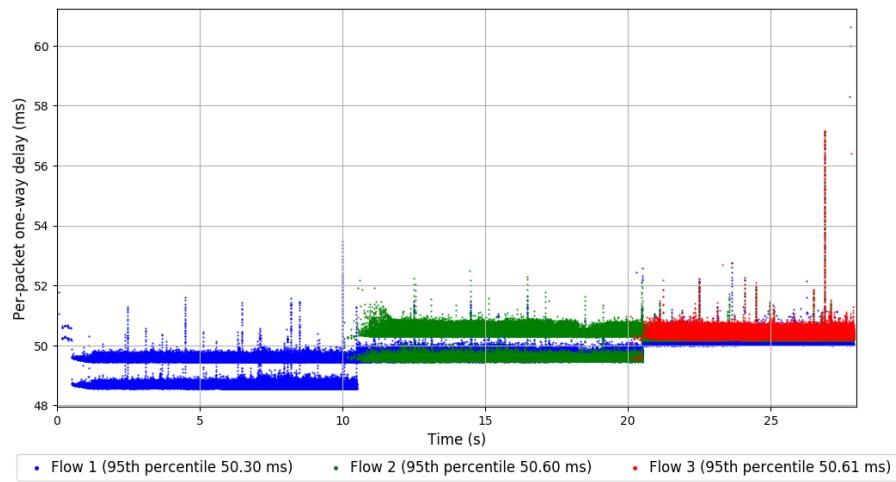
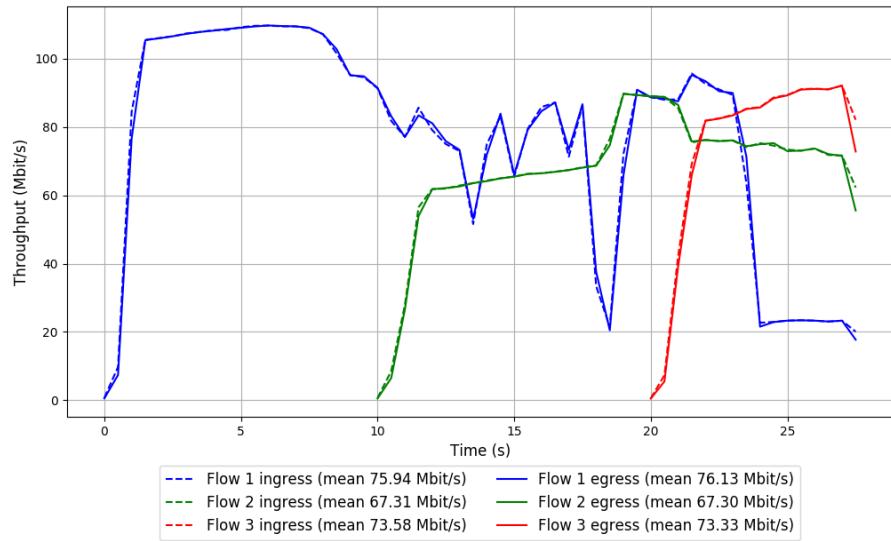
Run 1: Statistics of Copa

Start at: 2017-12-01 02:25:15

End at: 2017-12-01 02:25:45

```
# Below is generated by plot.py at 2017-12-01 07:29:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.80 Mbit/s
95th percentile per-packet one-way delay: 50.539 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 76.13 Mbit/s
95th percentile per-packet one-way delay: 50.304 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 50.614 ms
Loss rate: 1.60%
```

### Run 1: Report of Copa — Data Link



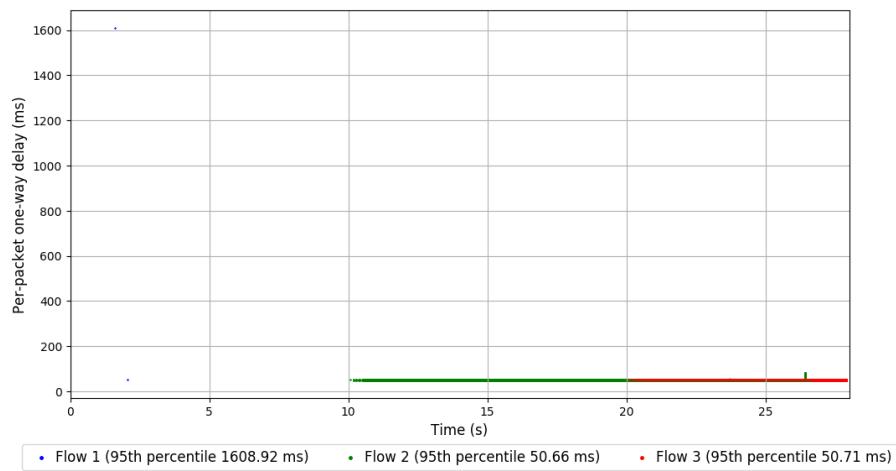
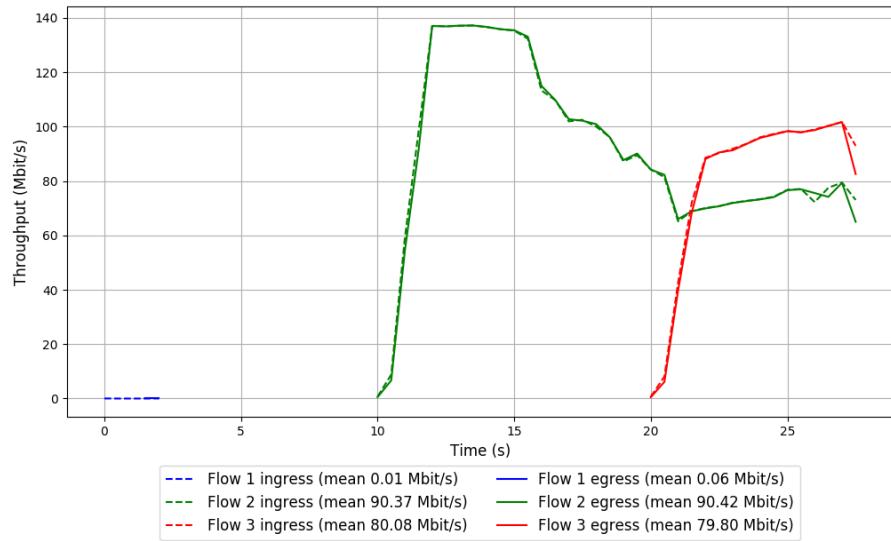
Run 2: Statistics of Copa

Start at: 2017-12-01 02:37:59

End at: 2017-12-01 02:38:29

```
# Below is generated by plot.py at 2017-12-01 07:29:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 50.683 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1608.917 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 50.708 ms
Loss rate: 1.62%
```

## Run 2: Report of Copa — Data Link

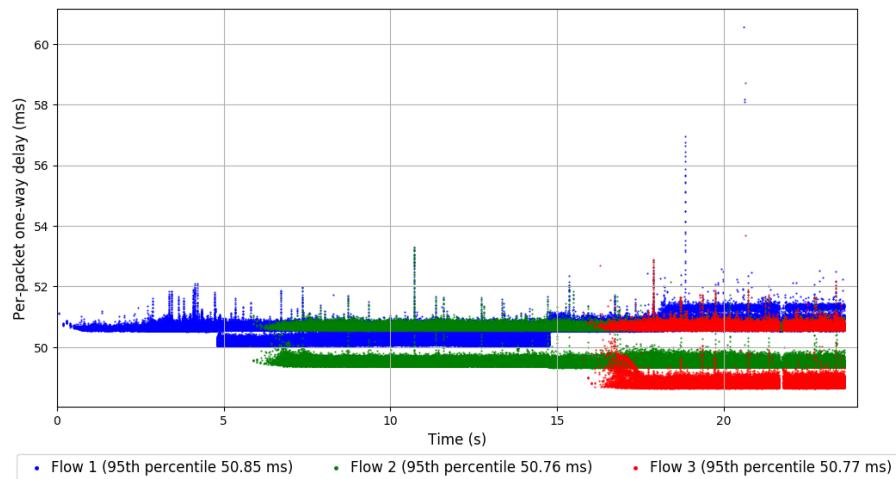
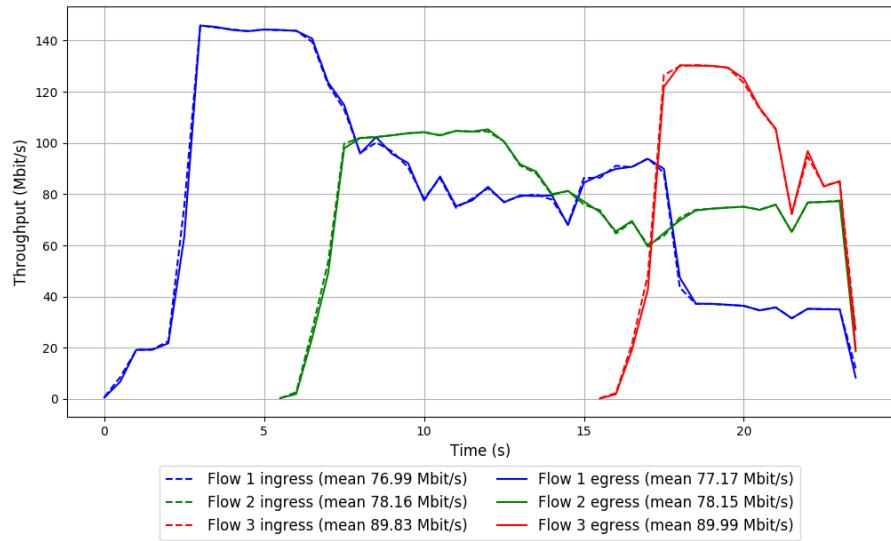


Run 3: Statistics of Copa

Start at: 2017-12-01 02:50:37

End at: 2017-12-01 02:51:07

### Run 3: Report of Copa — Data Link



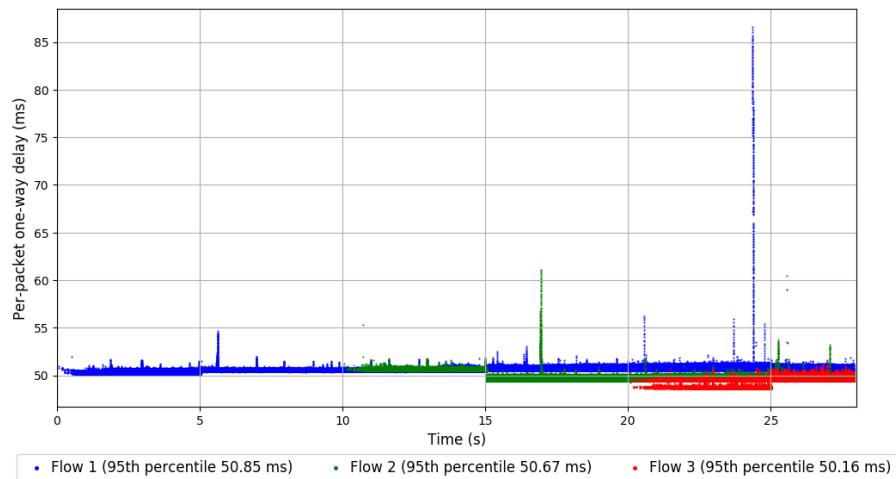
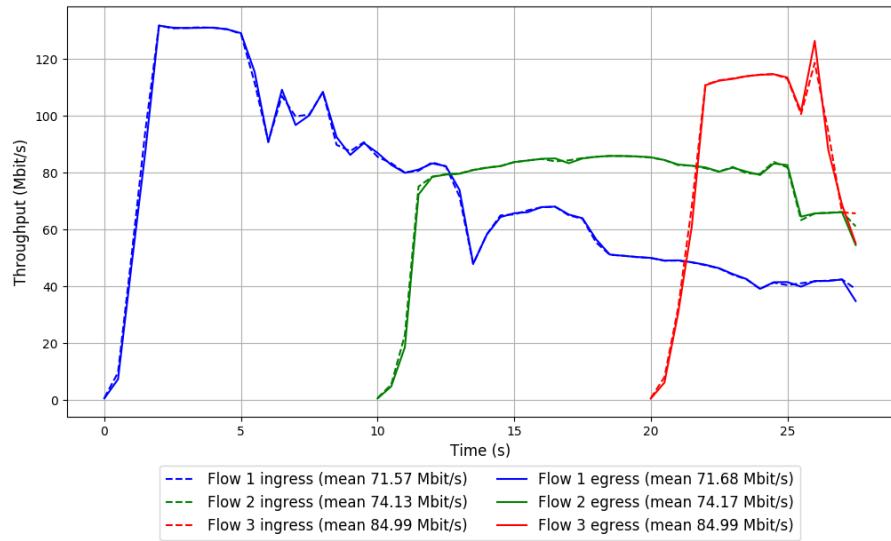
Run 4: Statistics of Copa

Start at: 2017-12-01 03:03:11

End at: 2017-12-01 03:03:41

```
# Below is generated by plot.py at 2017-12-01 07:29:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 143.07 Mbit/s
95th percentile per-packet one-way delay: 50.742 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 50.855 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 50.667 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 84.99 Mbit/s
95th percentile per-packet one-way delay: 50.160 ms
Loss rate: 1.24%
```

Run 4: Report of Copa — Data Link

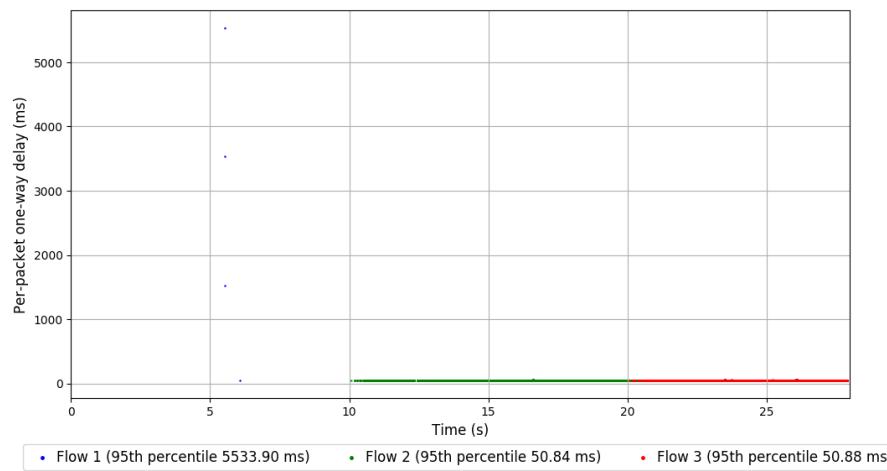
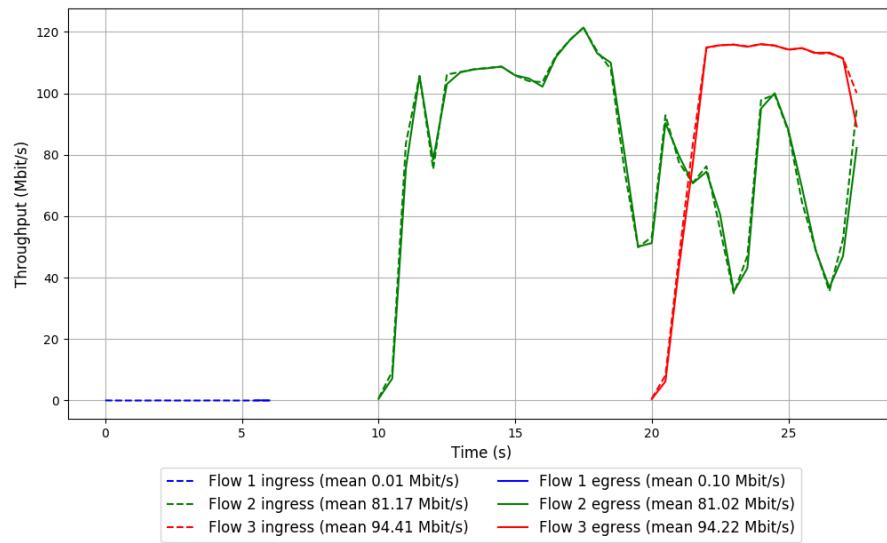


Run 5: Statistics of Copa

Start at: 2017-12-01 03:15:50

End at: 2017-12-01 03:16:20

## Run 5: Report of Copa — Data Link

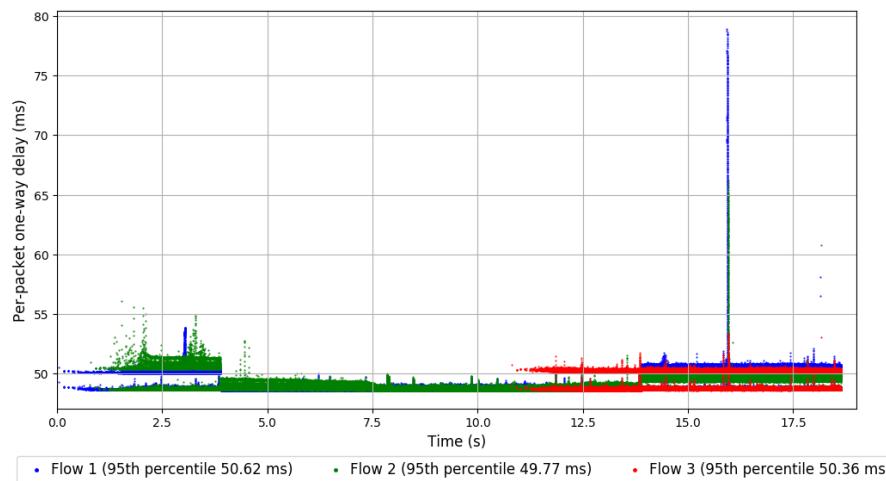
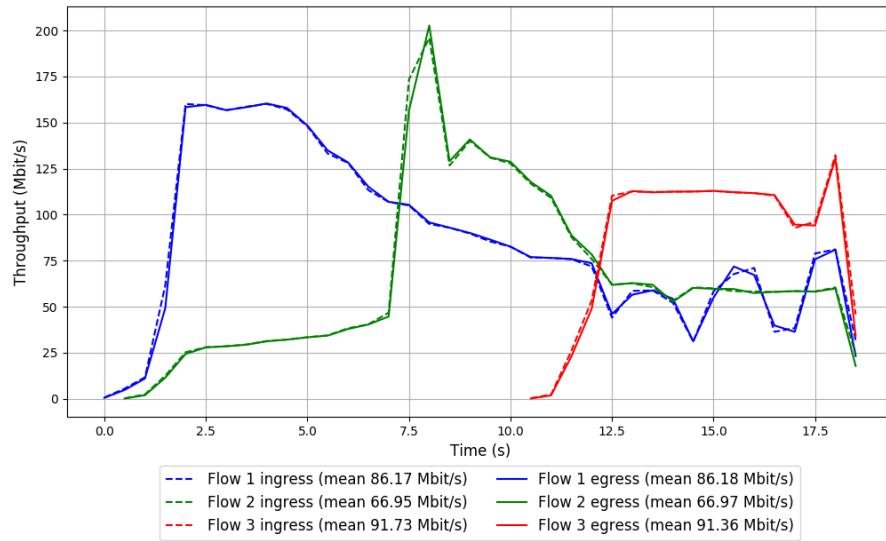


Run 6: Statistics of Copa

Start at: 2017-12-01 03:28:23

End at: 2017-12-01 03:28:53

Run 6: Report of Copa — Data Link

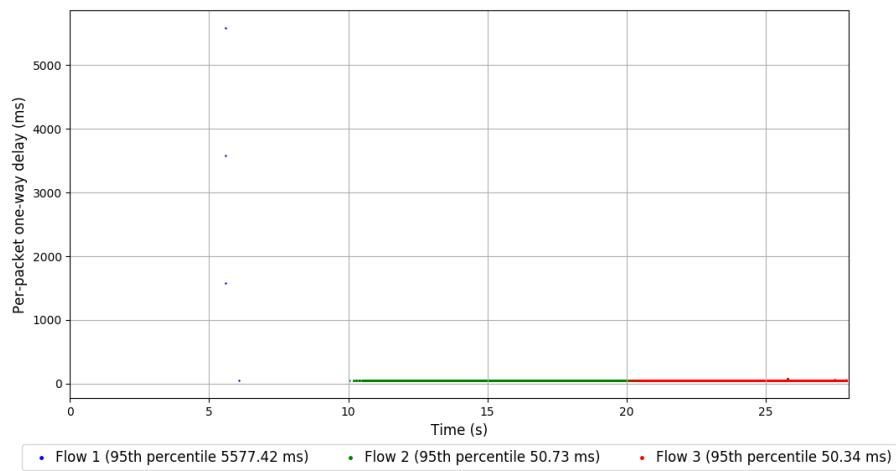
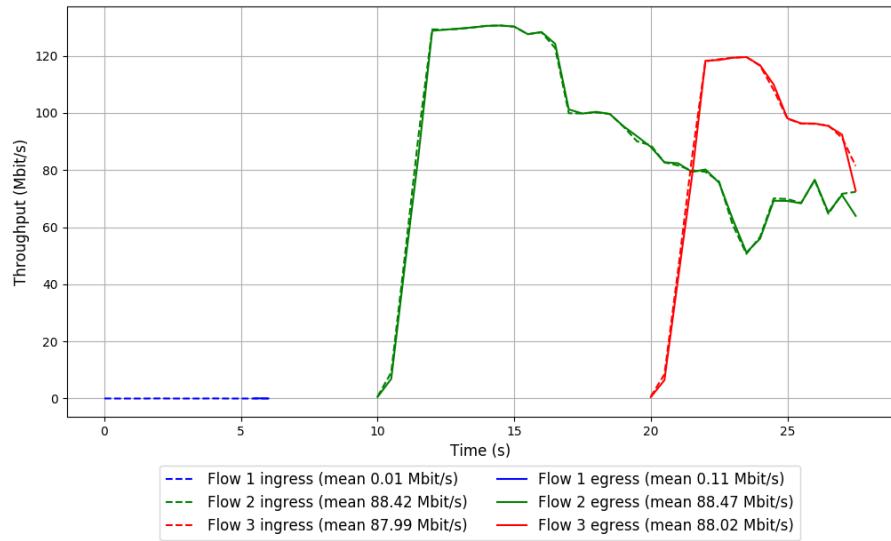


Run 7: Statistics of Copa

Start at: 2017-12-01 03:40:52

End at: 2017-12-01 03:41:22

## Run 7: Report of Copa — Data Link

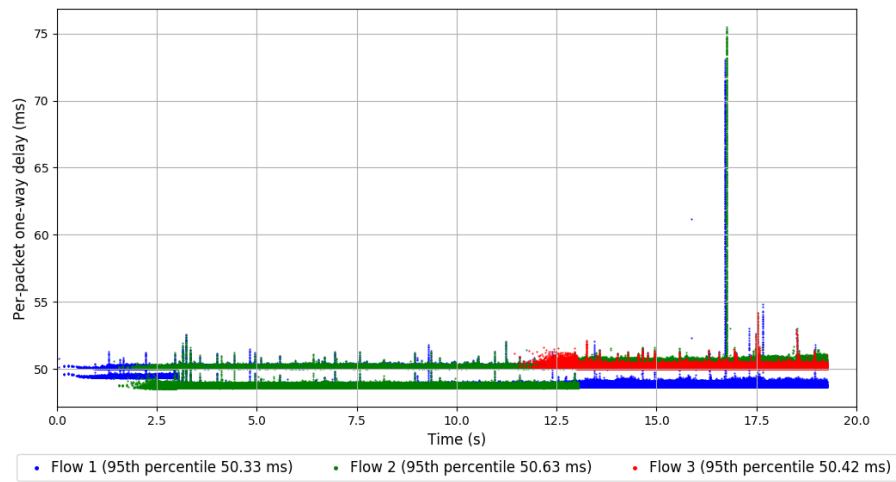
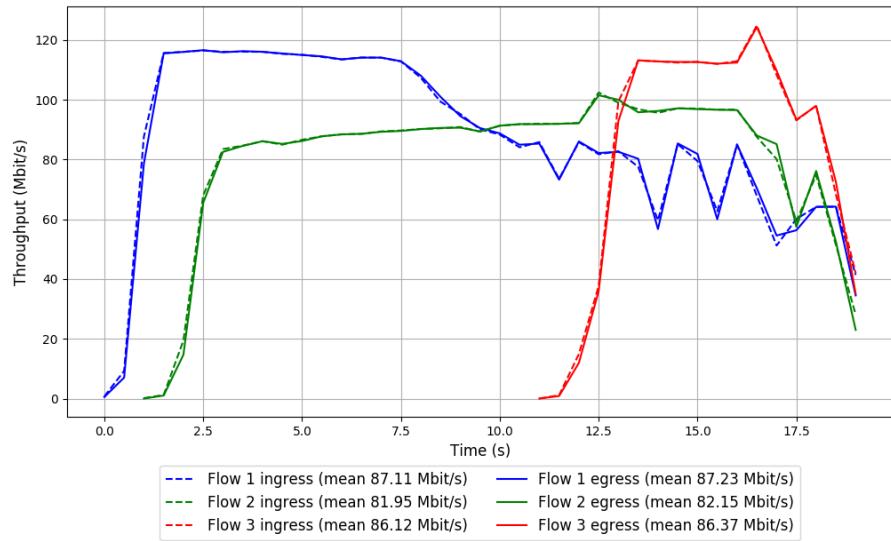


Run 8: Statistics of Copa

Start at: 2017-12-01 03:53:24

End at: 2017-12-01 03:53:54

Run 8: Report of Copa — Data Link



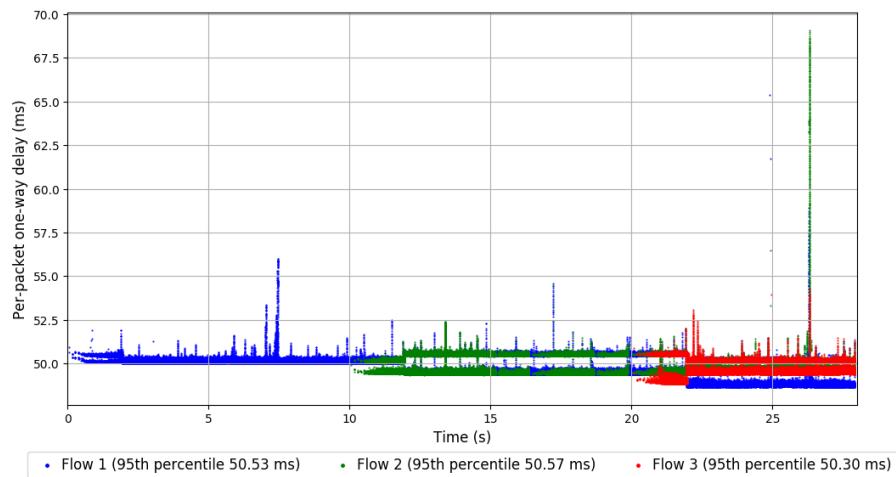
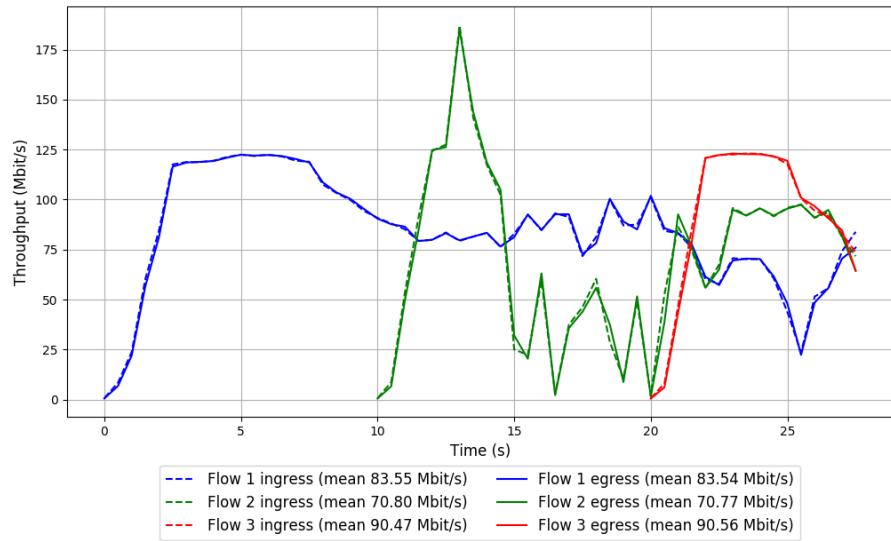
Run 9: Statistics of Copa

Start at: 2017-12-01 04:06:04

End at: 2017-12-01 04:06:34

```
# Below is generated by plot.py at 2017-12-01 07:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 154.33 Mbit/s
95th percentile per-packet one-way delay: 50.541 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 50.535 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 70.77 Mbit/s
95th percentile per-packet one-way delay: 50.566 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 50.303 ms
Loss rate: 1.16%
```

Run 9: Report of Copa — Data Link



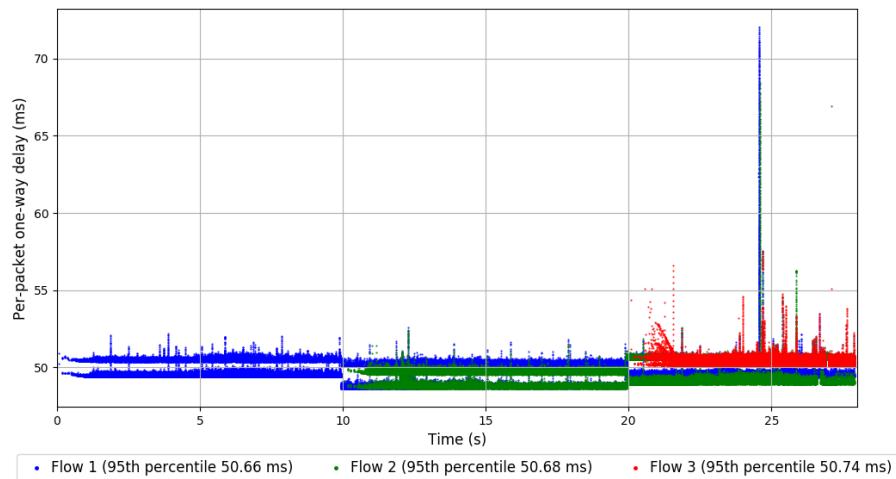
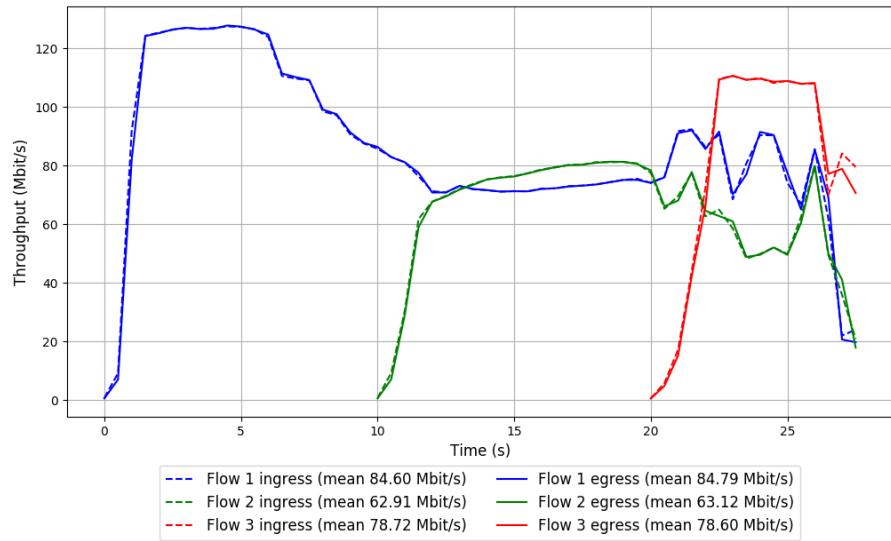
Run 10: Statistics of Copa

Start at: 2017-12-01 04:18:36

End at: 2017-12-01 04:19:06

```
# Below is generated by plot.py at 2017-12-01 07:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.28 Mbit/s
95th percentile per-packet one-way delay: 50.682 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 63.12 Mbit/s
95th percentile per-packet one-way delay: 50.676 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 1.43%
```

Run 10: Report of Copa — Data Link



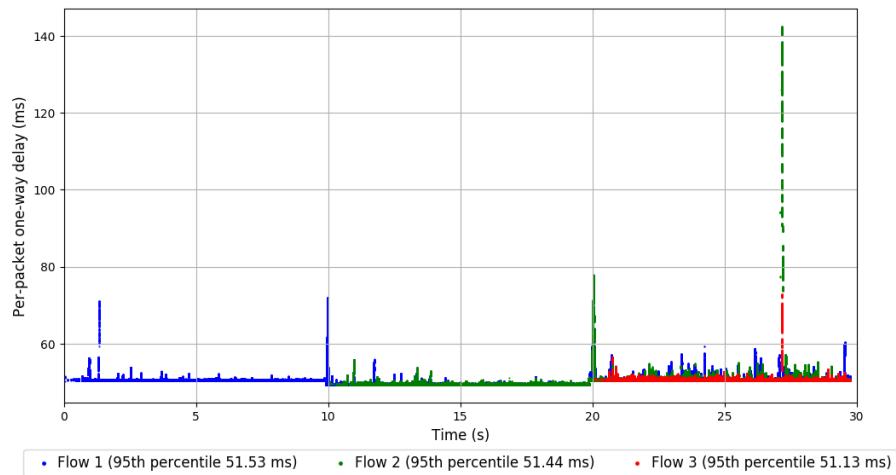
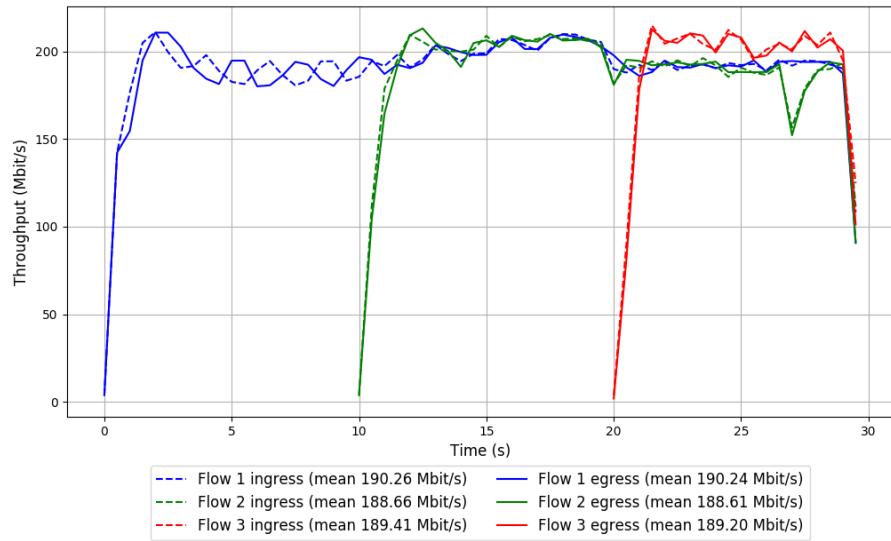
Run 1: Statistics of Indigo

Start at: 2017-12-01 02:27:28

End at: 2017-12-01 02:27:58

```
# Below is generated by plot.py at 2017-12-01 07:34:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.51 Mbit/s
95th percentile per-packet one-way delay: 51.390 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 190.24 Mbit/s
95th percentile per-packet one-way delay: 51.533 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 188.61 Mbit/s
95th percentile per-packet one-way delay: 51.442 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 189.20 Mbit/s
95th percentile per-packet one-way delay: 51.127 ms
Loss rate: 1.16%
```

Run 1: Report of Indigo — Data Link



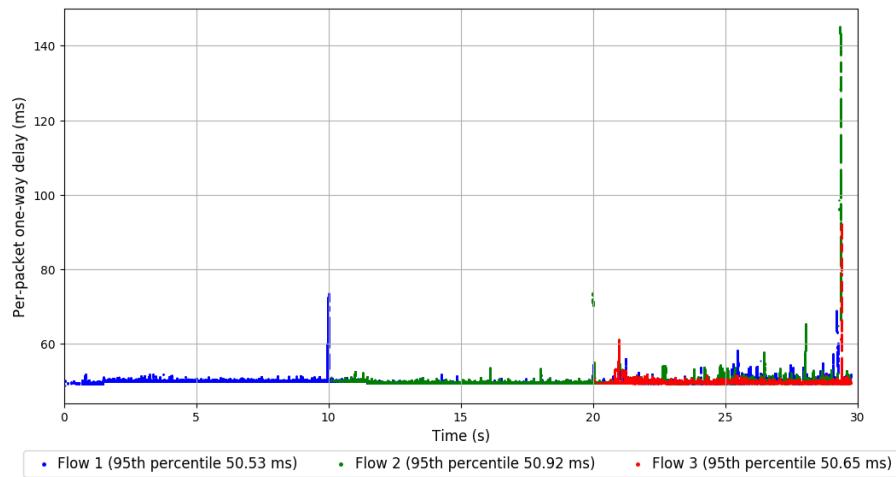
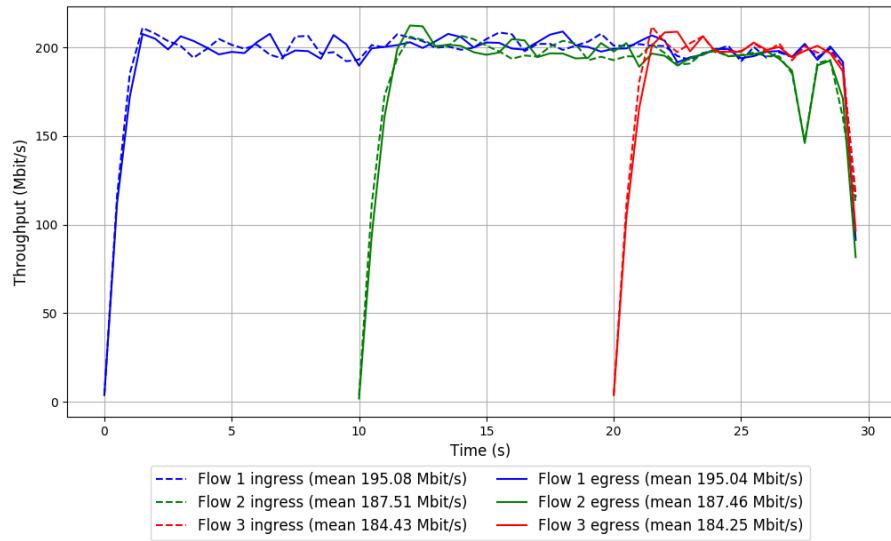
Run 2: Statistics of Indigo

Start at: 2017-12-01 02:40:06

End at: 2017-12-01 02:40:36

```
# Below is generated by plot.py at 2017-12-01 07:35:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.02 Mbit/s
95th percentile per-packet one-way delay: 50.654 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 195.04 Mbit/s
95th percentile per-packet one-way delay: 50.533 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 187.46 Mbit/s
95th percentile per-packet one-way delay: 50.920 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 184.25 Mbit/s
95th percentile per-packet one-way delay: 50.645 ms
Loss rate: 1.14%
```

## Run 2: Report of Indigo — Data Link



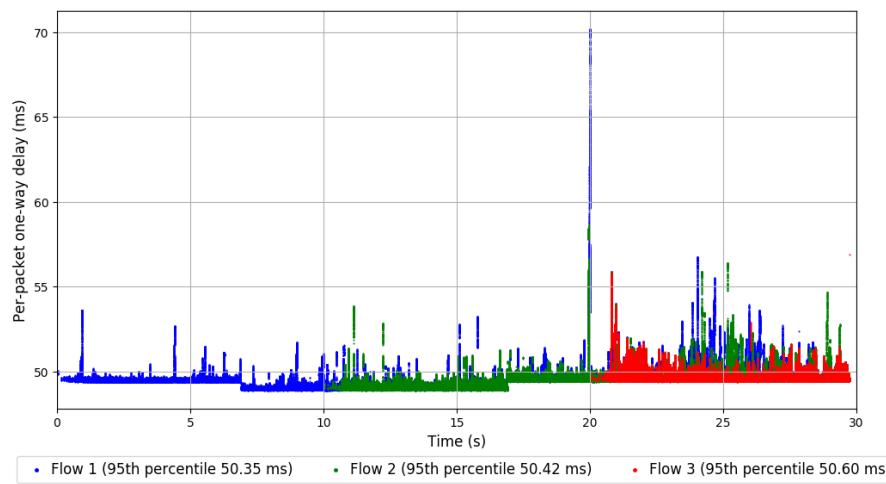
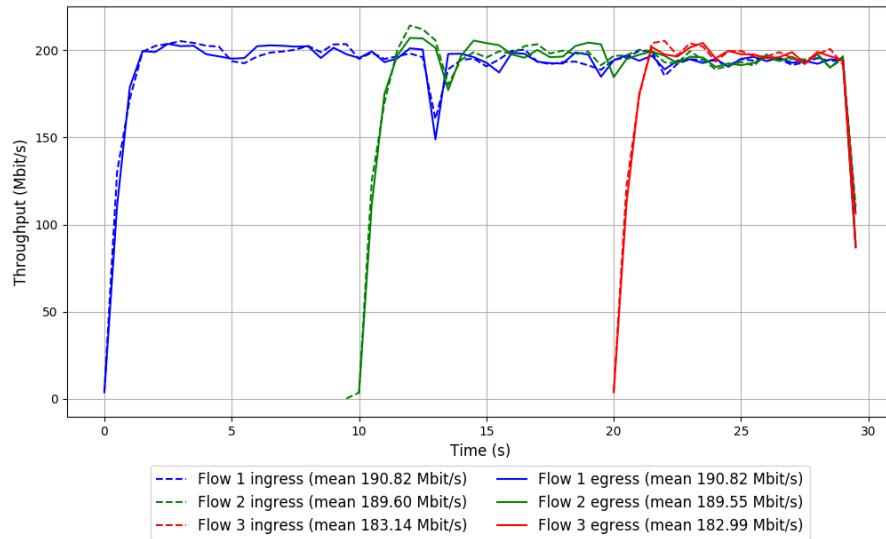
Run 3: Statistics of Indigo

Start at: 2017-12-01 02:52:51

End at: 2017-12-01 02:53:21

```
# Below is generated by plot.py at 2017-12-01 07:35:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.09 Mbit/s
95th percentile per-packet one-way delay: 50.422 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 190.82 Mbit/s
95th percentile per-packet one-way delay: 50.355 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 189.55 Mbit/s
95th percentile per-packet one-way delay: 50.422 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 182.99 Mbit/s
95th percentile per-packet one-way delay: 50.599 ms
Loss rate: 1.04%
```

### Run 3: Report of Indigo — Data Link



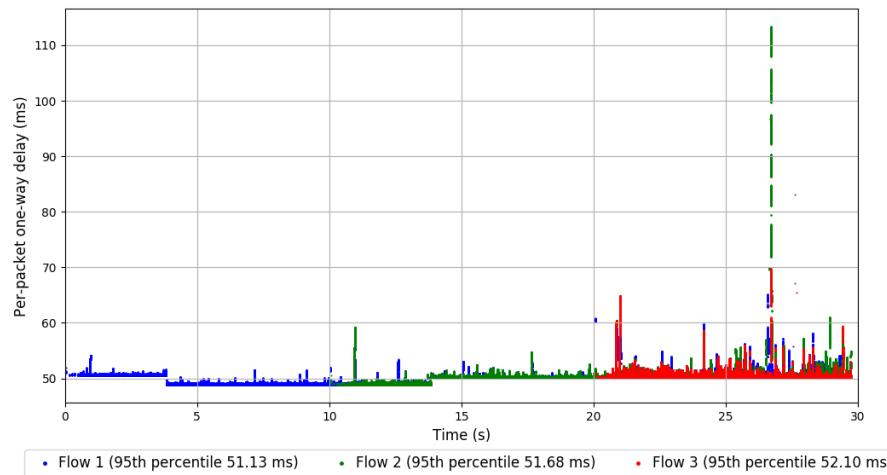
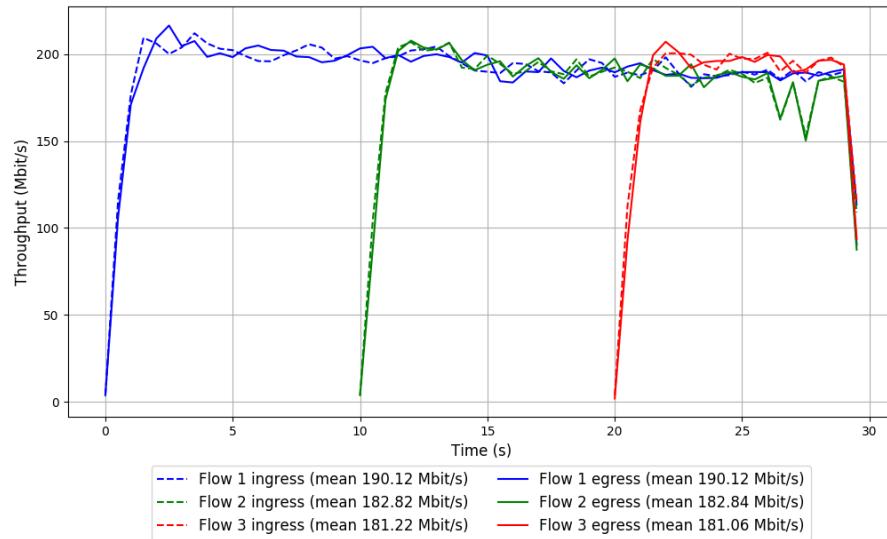
Run 4: Statistics of Indigo

Start at: 2017-12-01 03:05:24

End at: 2017-12-01 03:05:54

```
# Below is generated by plot.py at 2017-12-01 07:36:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.07 Mbit/s
95th percentile per-packet one-way delay: 51.446 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 190.12 Mbit/s
95th percentile per-packet one-way delay: 51.128 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 182.84 Mbit/s
95th percentile per-packet one-way delay: 51.679 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 181.06 Mbit/s
95th percentile per-packet one-way delay: 52.105 ms
Loss rate: 1.11%
```

## Run 4: Report of Indigo — Data Link



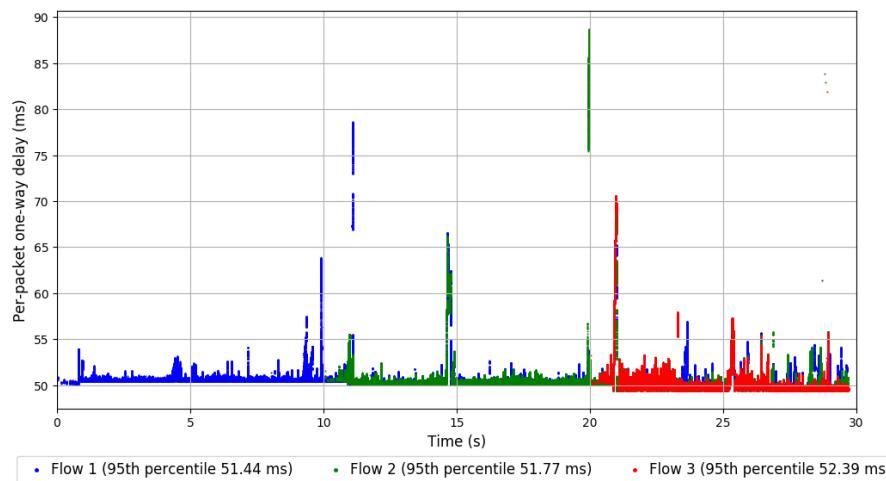
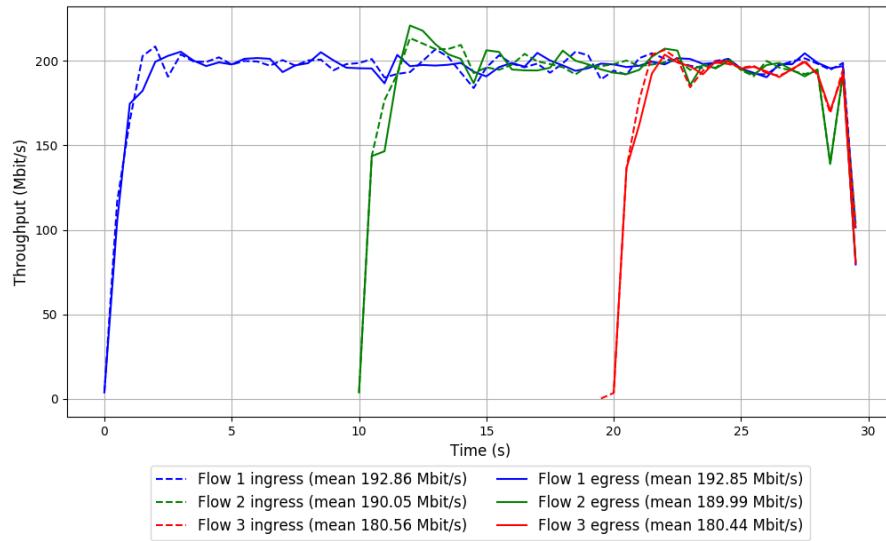
Run 5: Statistics of Indigo

Start at: 2017-12-01 03:17:57

End at: 2017-12-01 03:18:27

```
# Below is generated by plot.py at 2017-12-01 07:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.61 Mbit/s
95th percentile per-packet one-way delay: 51.651 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 192.85 Mbit/s
95th percentile per-packet one-way delay: 51.444 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 189.99 Mbit/s
95th percentile per-packet one-way delay: 51.773 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 180.44 Mbit/s
95th percentile per-packet one-way delay: 52.391 ms
Loss rate: 1.11%
```

Run 5: Report of Indigo — Data Link

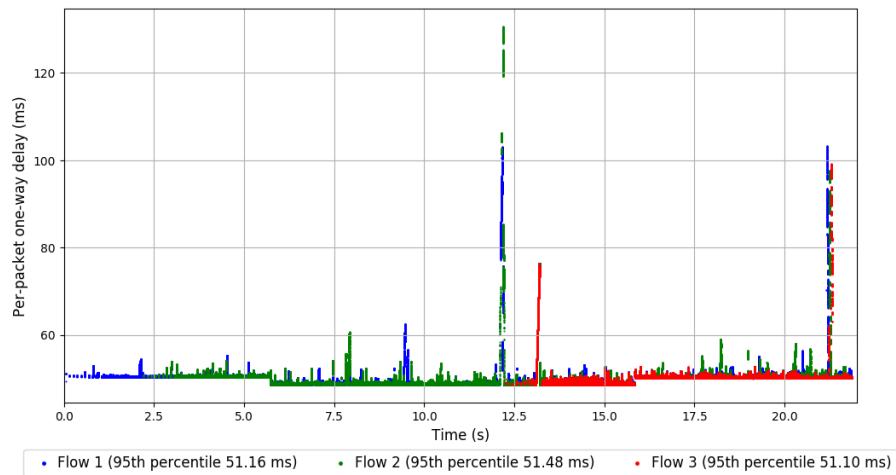
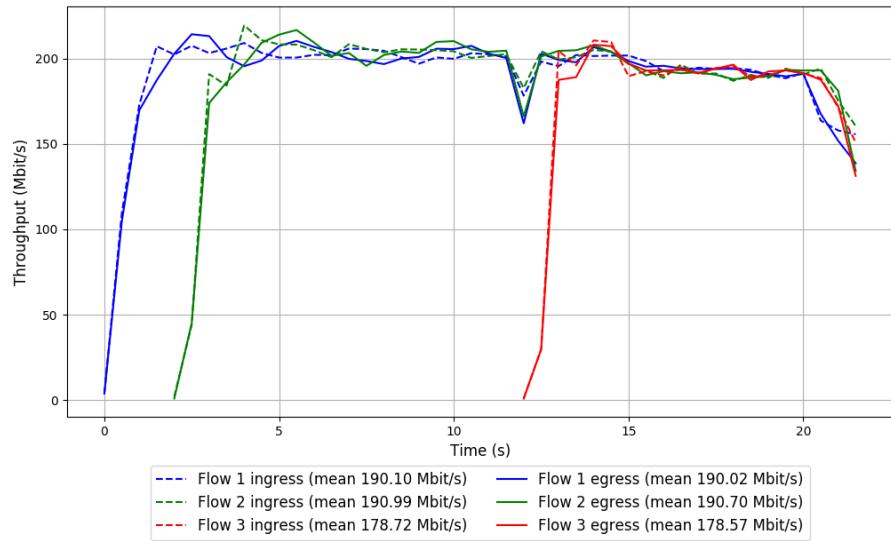


Run 6: Statistics of Indigo

Start at: 2017-12-01 03:30:34

End at: 2017-12-01 03:31:04

## Run 6: Report of Indigo — Data Link



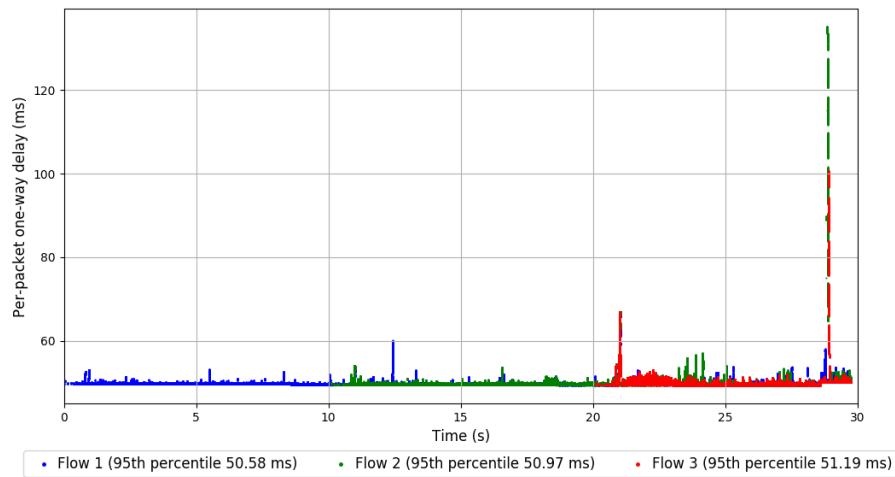
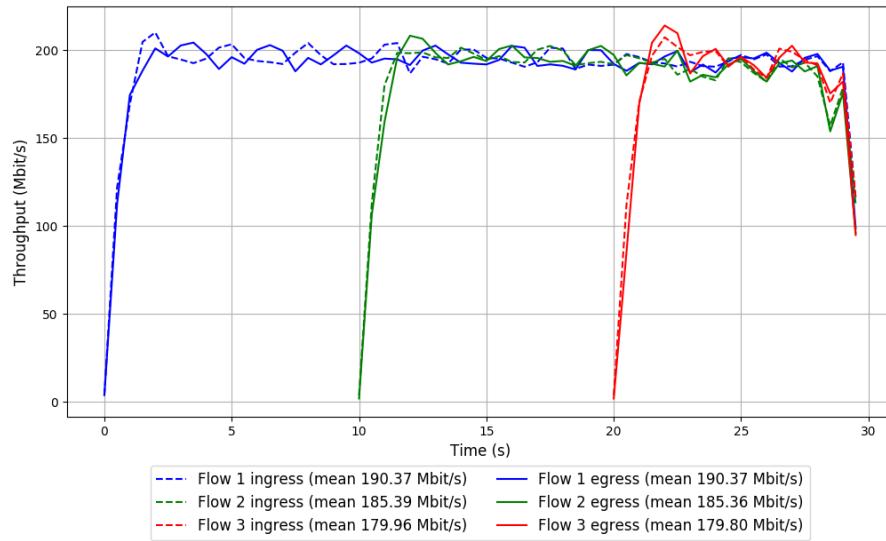
Run 7: Statistics of Indigo

Start at: 2017-12-01 03:42:59

End at: 2017-12-01 03:43:29

```
# Below is generated by plot.py at 2017-12-01 07:38:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 371.34 Mbit/s
95th percentile per-packet one-way delay: 50.835 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 190.37 Mbit/s
95th percentile per-packet one-way delay: 50.580 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 185.36 Mbit/s
95th percentile per-packet one-way delay: 50.966 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 179.80 Mbit/s
95th percentile per-packet one-way delay: 51.189 ms
Loss rate: 1.12%
```

## Run 7: Report of Indigo — Data Link



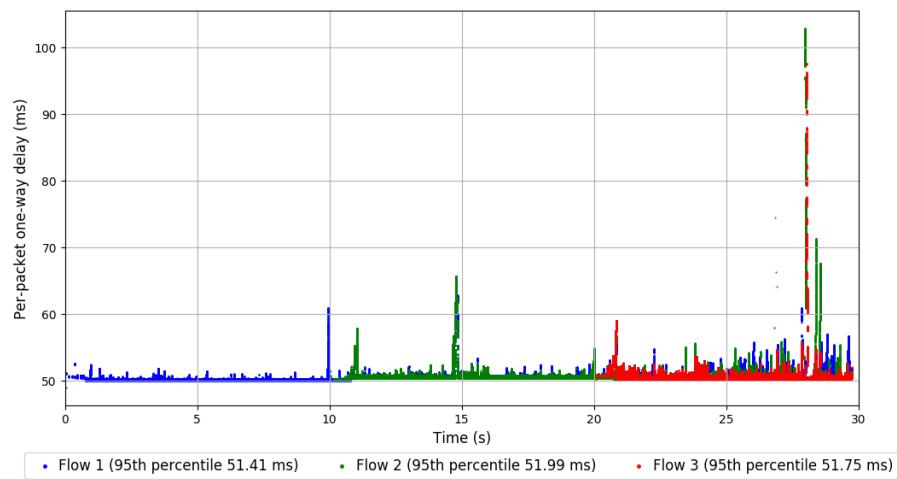
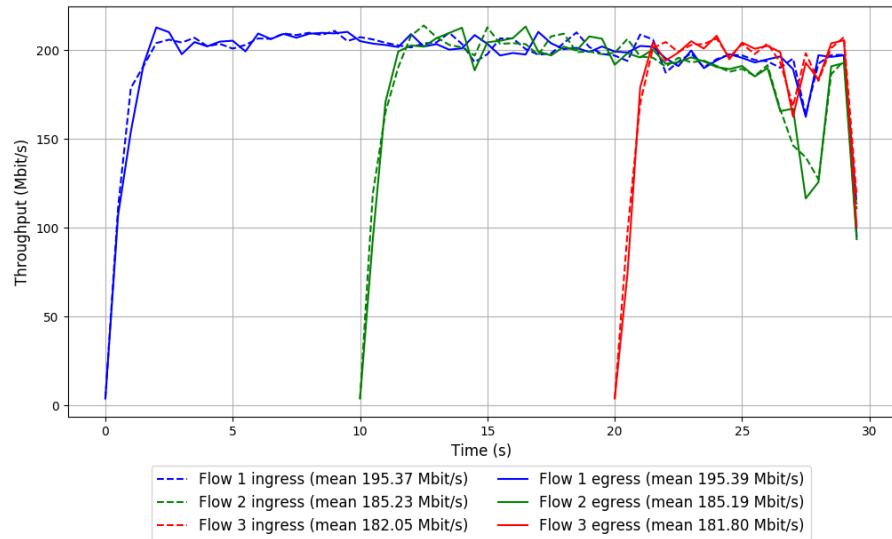
Run 8: Statistics of Indigo

Start at: 2017-12-01 03:55:37

End at: 2017-12-01 03:56:07

```
# Below is generated by plot.py at 2017-12-01 07:38:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.40 Mbit/s
95th percentile per-packet one-way delay: 51.659 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 195.39 Mbit/s
95th percentile per-packet one-way delay: 51.410 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 185.19 Mbit/s
95th percentile per-packet one-way delay: 51.987 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 181.80 Mbit/s
95th percentile per-packet one-way delay: 51.747 ms
Loss rate: 1.14%
```

Run 8: Report of Indigo — Data Link



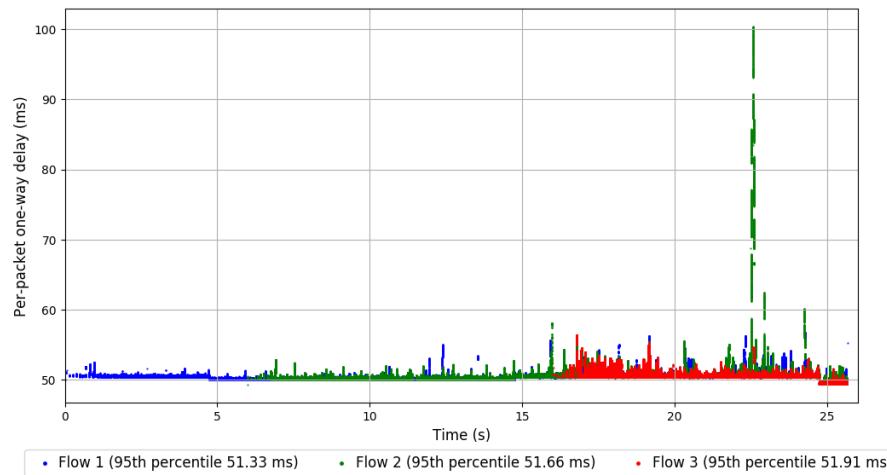
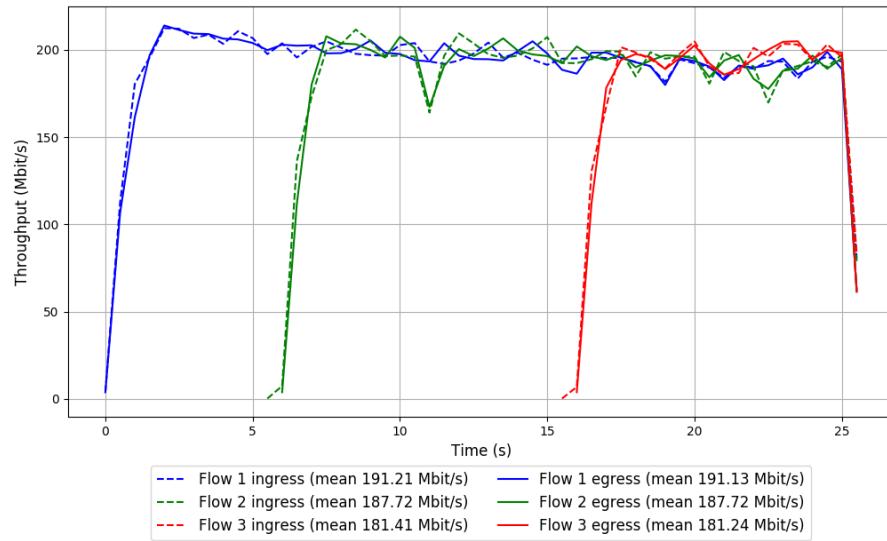
Run 9: Statistics of Indigo

Start at: 2017-12-01 04:08:19

End at: 2017-12-01 04:08:49

```
# Below is generated by plot.py at 2017-12-01 07:40:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.39 Mbit/s
95th percentile per-packet one-way delay: 51.569 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 191.13 Mbit/s
95th percentile per-packet one-way delay: 51.330 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 187.72 Mbit/s
95th percentile per-packet one-way delay: 51.657 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 181.24 Mbit/s
95th percentile per-packet one-way delay: 51.912 ms
Loss rate: 1.15%
```

Run 9: Report of Indigo — Data Link



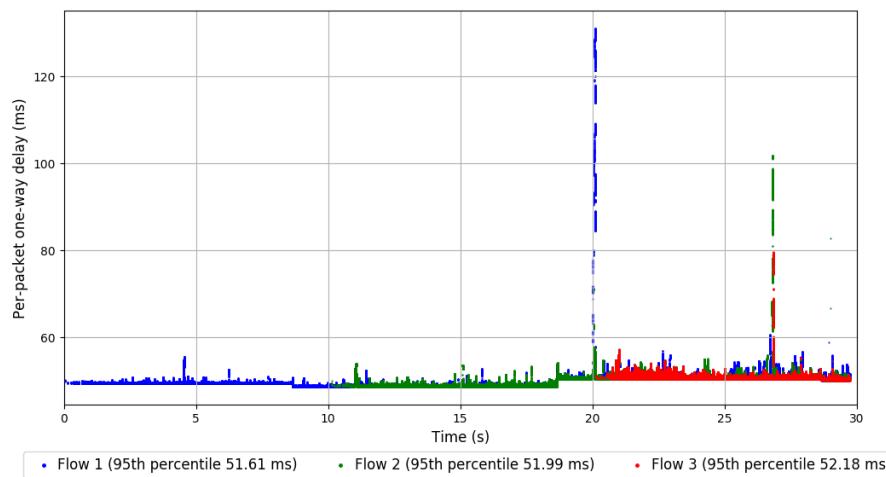
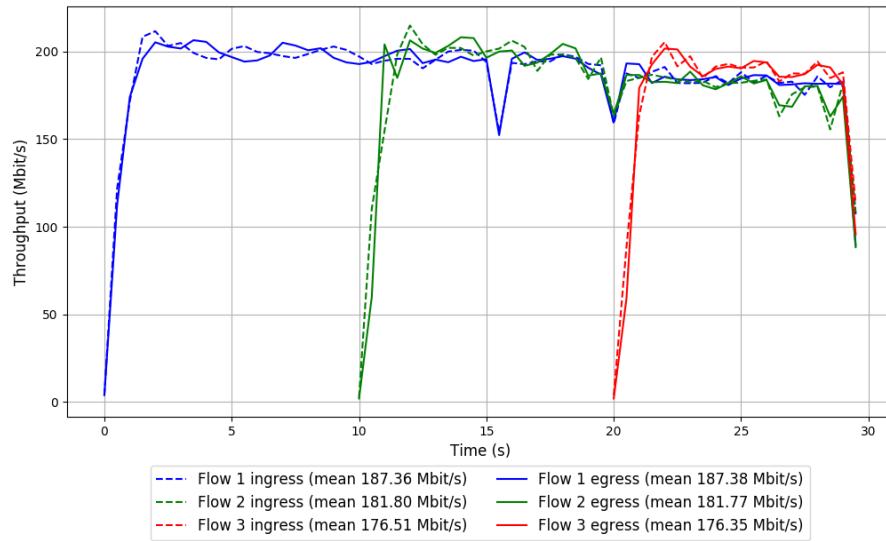
Run 10: Statistics of Indigo

Start at: 2017-12-01 04:20:49

End at: 2017-12-01 04:21:19

```
# Below is generated by plot.py at 2017-12-01 07:40:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.55 Mbit/s
95th percentile per-packet one-way delay: 51.872 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 187.38 Mbit/s
95th percentile per-packet one-way delay: 51.610 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 181.77 Mbit/s
95th percentile per-packet one-way delay: 51.989 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 176.35 Mbit/s
95th percentile per-packet one-way delay: 52.179 ms
Loss rate: 1.14%
```

## Run 10: Report of Indigo — Data Link

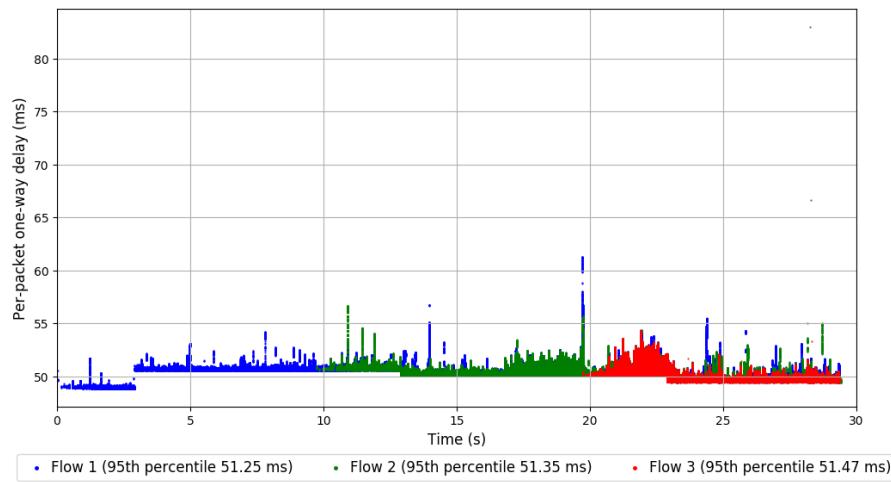
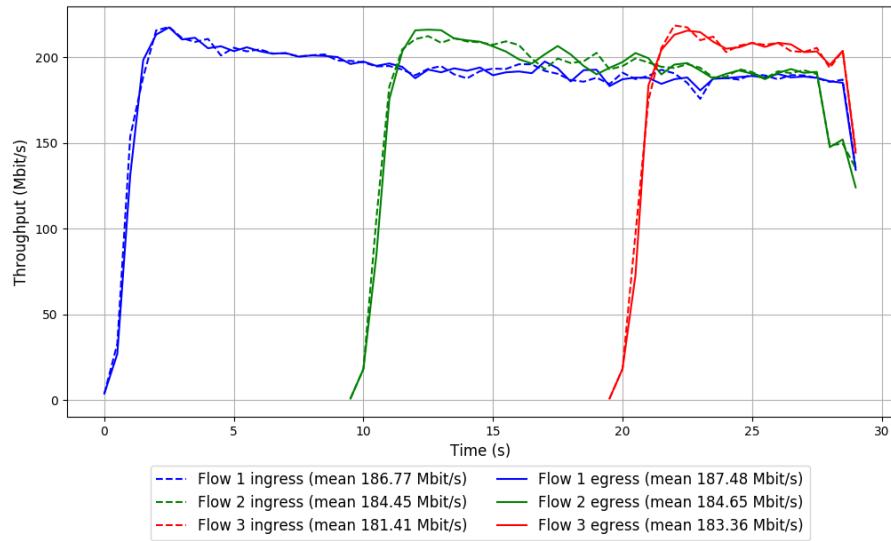


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-01 02:17:04
End at: 2017-12-01 02:17:34

# Below is generated by plot.py at 2017-12-01 07:41:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.69 Mbit/s
95th percentile per-packet one-way delay: 51.317 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 187.48 Mbit/s
95th percentile per-packet one-way delay: 51.251 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 184.65 Mbit/s
95th percentile per-packet one-way delay: 51.353 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 183.36 Mbit/s
95th percentile per-packet one-way delay: 51.467 ms
Loss rate: 0.57%
```

Run 1: Report of Indigo-calib — Data Link



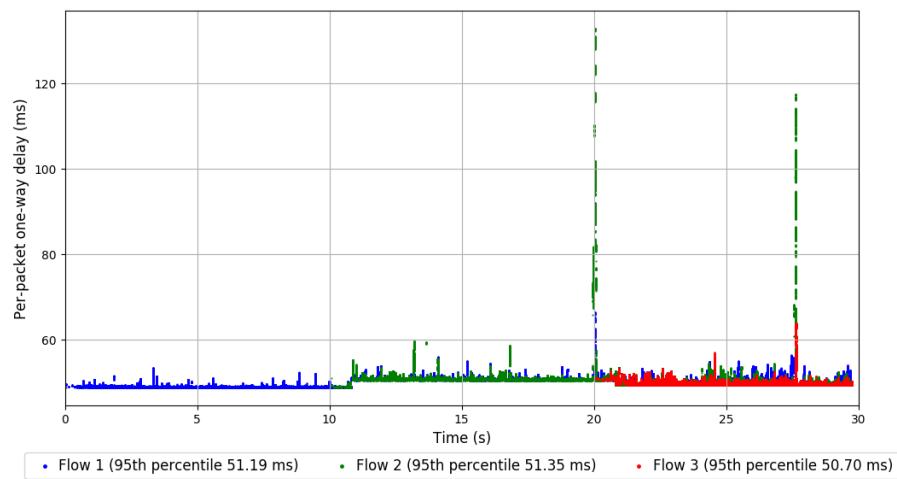
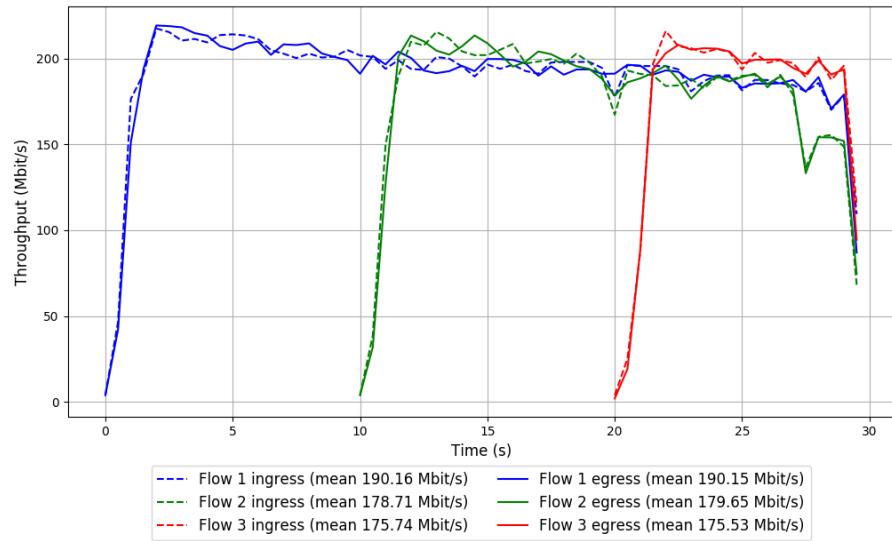
Run 2: Statistics of Indigo-calib

Start at: 2017-12-01 02:29:37

End at: 2017-12-01 02:30:07

```
# Below is generated by plot.py at 2017-12-01 07:42:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.35 Mbit/s
95th percentile per-packet one-way delay: 51.198 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 190.15 Mbit/s
95th percentile per-packet one-way delay: 51.193 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 179.65 Mbit/s
95th percentile per-packet one-way delay: 51.352 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 175.53 Mbit/s
95th percentile per-packet one-way delay: 50.704 ms
Loss rate: 1.16%
```

Run 2: Report of Indigo-calib — Data Link



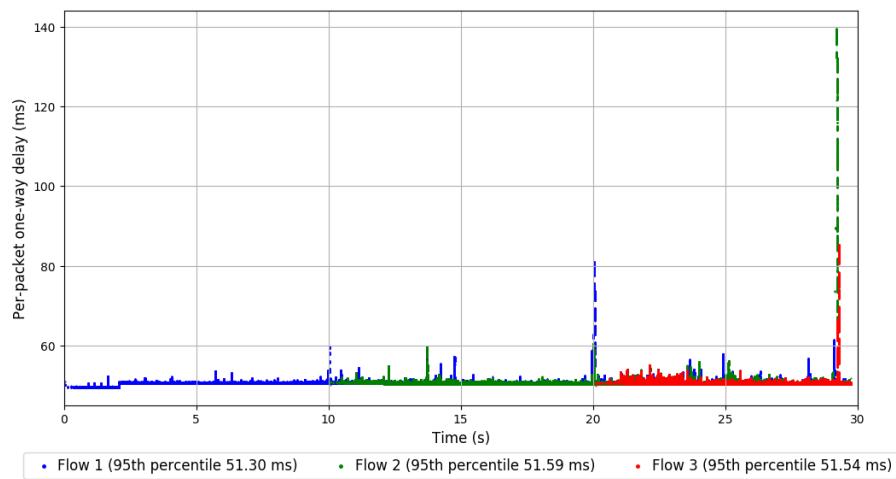
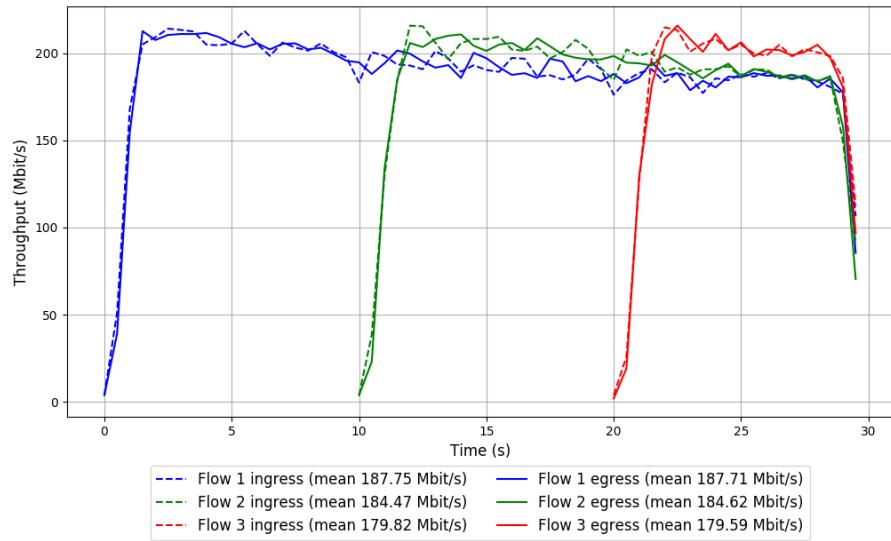
Run 3: Statistics of Indigo-calib

Start at: 2017-12-01 02:42:16

End at: 2017-12-01 02:42:46

```
# Below is generated by plot.py at 2017-12-01 07:43:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.36 Mbit/s
95th percentile per-packet one-way delay: 51.443 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 187.71 Mbit/s
95th percentile per-packet one-way delay: 51.300 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 184.62 Mbit/s
95th percentile per-packet one-way delay: 51.592 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 179.59 Mbit/s
95th percentile per-packet one-way delay: 51.539 ms
Loss rate: 1.16%
```

Run 3: Report of Indigo-calib — Data Link

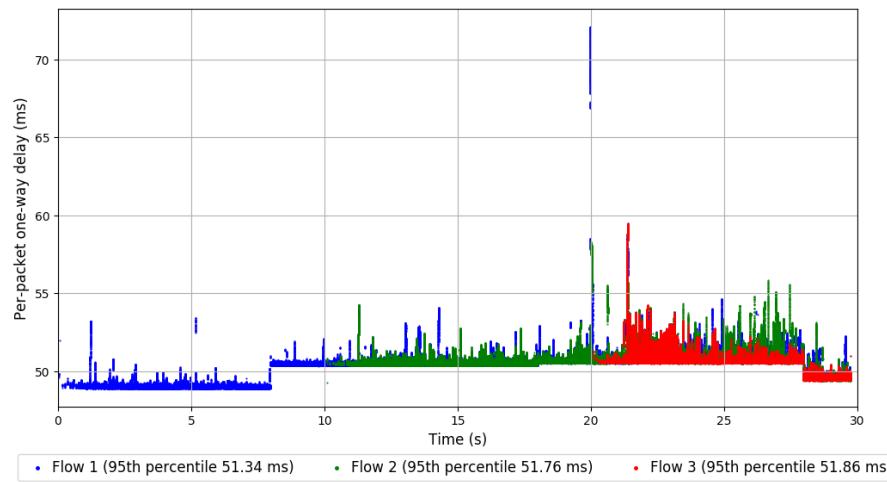
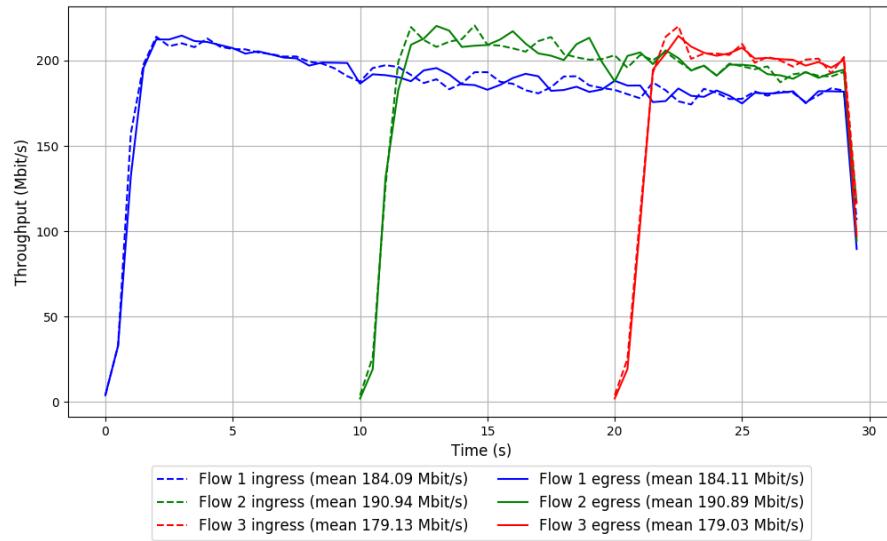


```
Run 4: Statistics of Indigo-calib

Start at: 2017-12-01 02:55:00
End at: 2017-12-01 02:55:30

# Below is generated by plot.py at 2017-12-01 07:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.68 Mbit/s
95th percentile per-packet one-way delay: 51.607 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 184.11 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 190.89 Mbit/s
95th percentile per-packet one-way delay: 51.761 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 179.03 Mbit/s
95th percentile per-packet one-way delay: 51.858 ms
Loss rate: 1.09%
```

Run 4: Report of Indigo-calib — Data Link

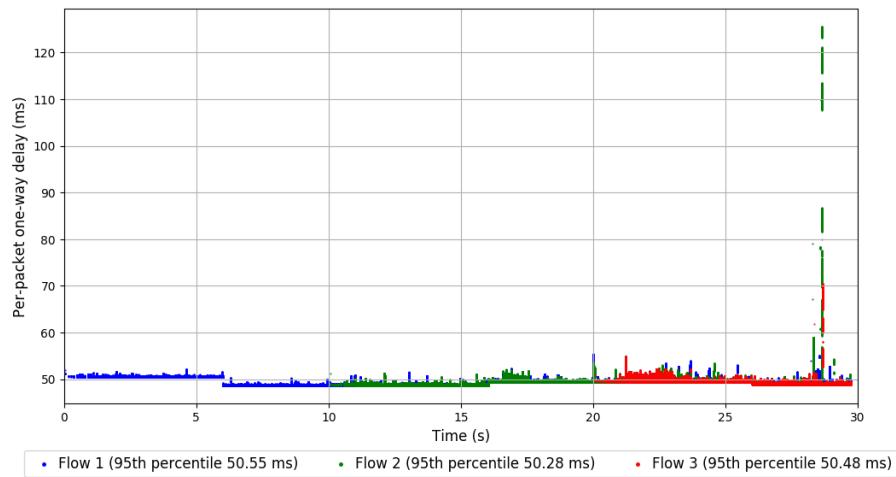
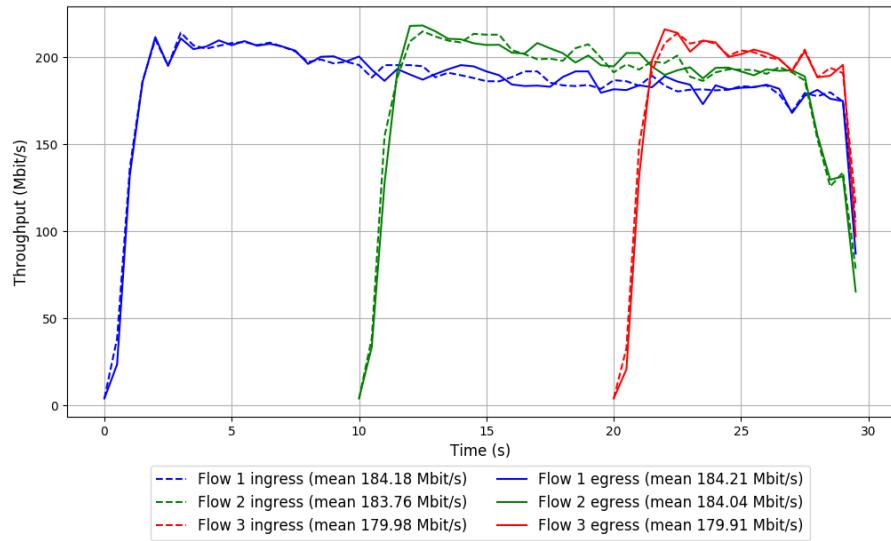


```
Run 5: Statistics of Indigo-calib

Start at: 2017-12-01 03:07:32
End at: 2017-12-01 03:08:02

# Below is generated by plot.py at 2017-12-01 07:44:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.83 Mbit/s
95th percentile per-packet one-way delay: 50.540 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 184.21 Mbit/s
95th percentile per-packet one-way delay: 50.553 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 184.04 Mbit/s
95th percentile per-packet one-way delay: 50.282 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 179.91 Mbit/s
95th percentile per-packet one-way delay: 50.476 ms
Loss rate: 1.06%
```

Run 5: Report of Indigo-calib — Data Link

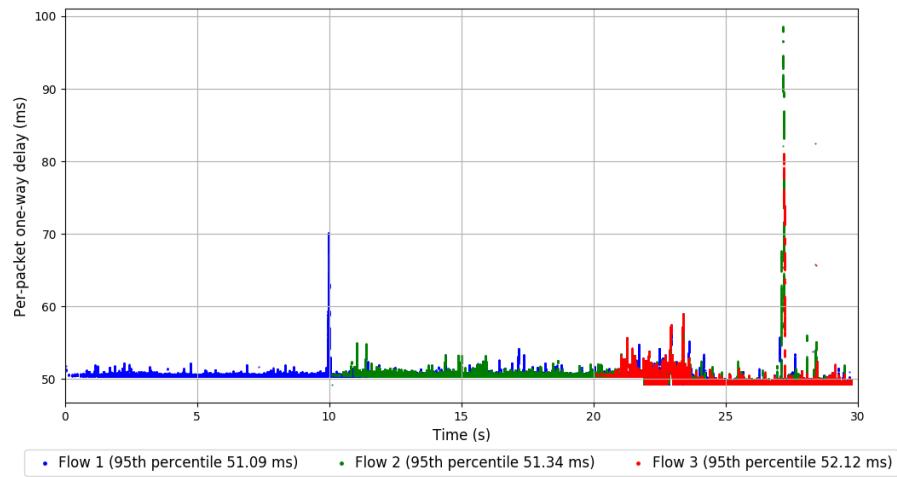
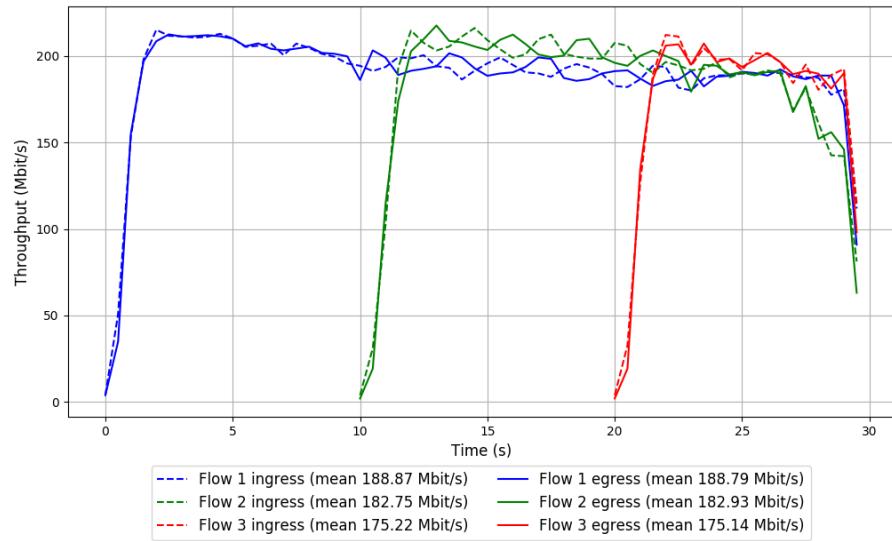


```
Run 6: Statistics of Indigo-calib

Start at: 2017-12-01 03:20:06
End at: 2017-12-01 03:20:36

# Below is generated by plot.py at 2017-12-01 07:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.82 Mbit/s
95th percentile per-packet one-way delay: 51.335 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 188.79 Mbit/s
95th percentile per-packet one-way delay: 51.091 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 182.93 Mbit/s
95th percentile per-packet one-way delay: 51.340 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 175.14 Mbit/s
95th percentile per-packet one-way delay: 52.122 ms
Loss rate: 1.06%
```

Run 6: Report of Indigo-calib — Data Link



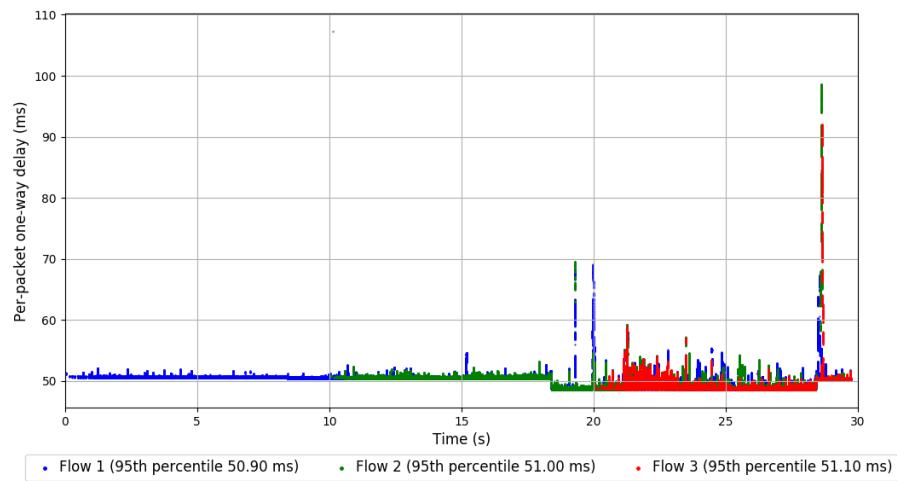
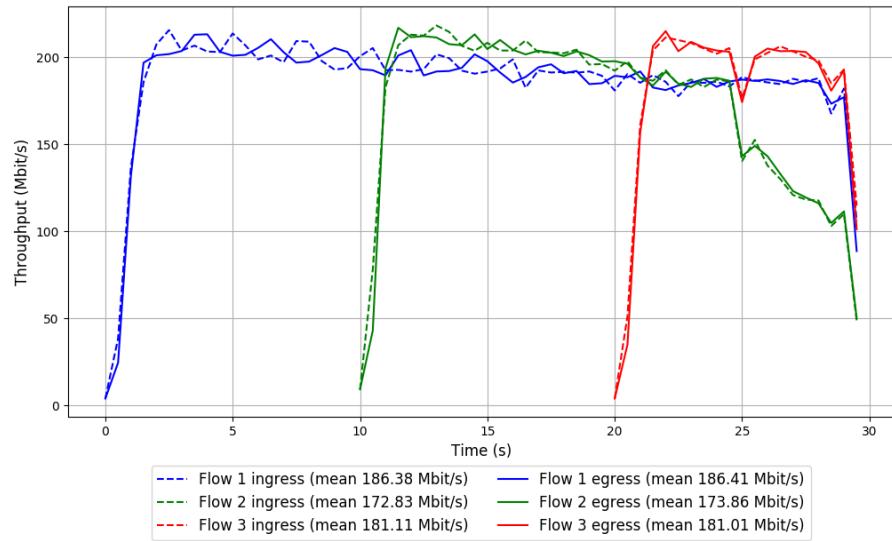
Run 7: Statistics of Indigo-calib

Start at: 2017-12-01 03:32:39

End at: 2017-12-01 03:33:09

```
# Below is generated by plot.py at 2017-12-01 07:45:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 360.41 Mbit/s
95th percentile per-packet one-way delay: 50.952 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 186.41 Mbit/s
95th percentile per-packet one-way delay: 50.895 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 173.86 Mbit/s
95th percentile per-packet one-way delay: 51.003 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 181.01 Mbit/s
95th percentile per-packet one-way delay: 51.096 ms
Loss rate: 1.08%
```

Run 7: Report of Indigo-calib — Data Link



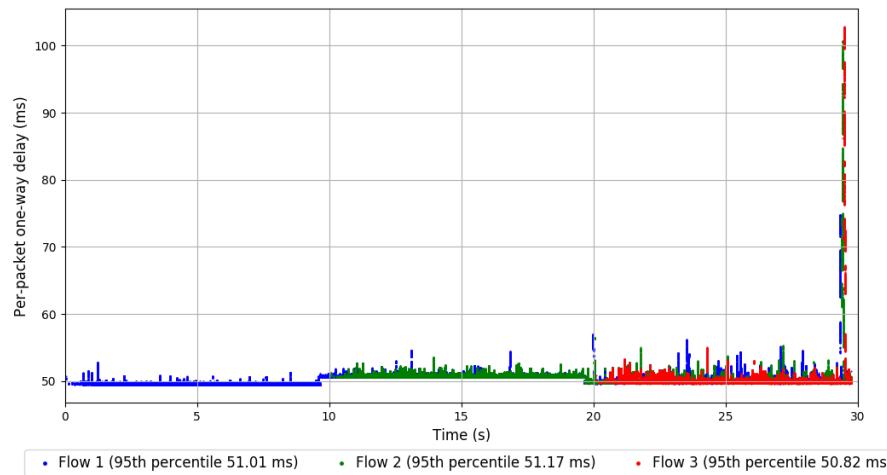
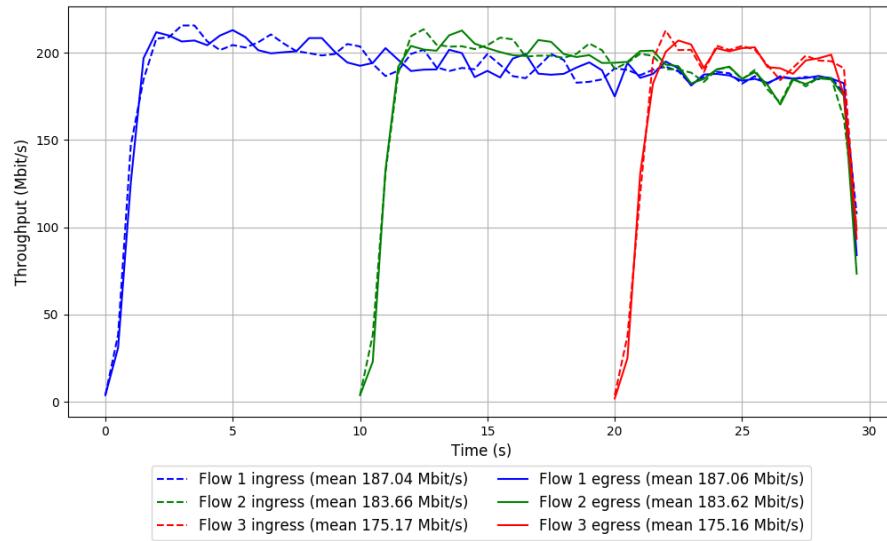
Run 8: Statistics of Indigo-calib

Start at: 2017-12-01 03:45:08

End at: 2017-12-01 03:45:38

```
# Below is generated by plot.py at 2017-12-01 07:45:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.63 Mbit/s
95th percentile per-packet one-way delay: 51.056 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 187.06 Mbit/s
95th percentile per-packet one-way delay: 51.008 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 183.62 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 175.16 Mbit/s
95th percentile per-packet one-way delay: 50.816 ms
Loss rate: 1.05%
```

Run 8: Report of Indigo-calib — Data Link



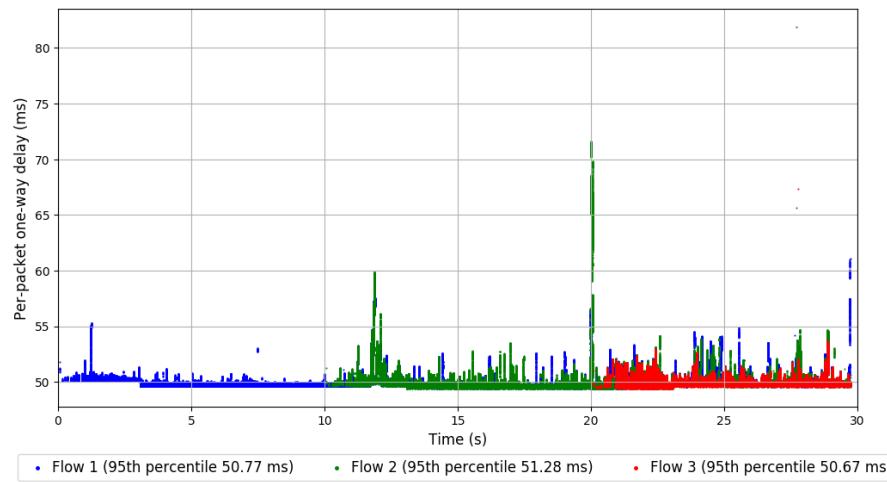
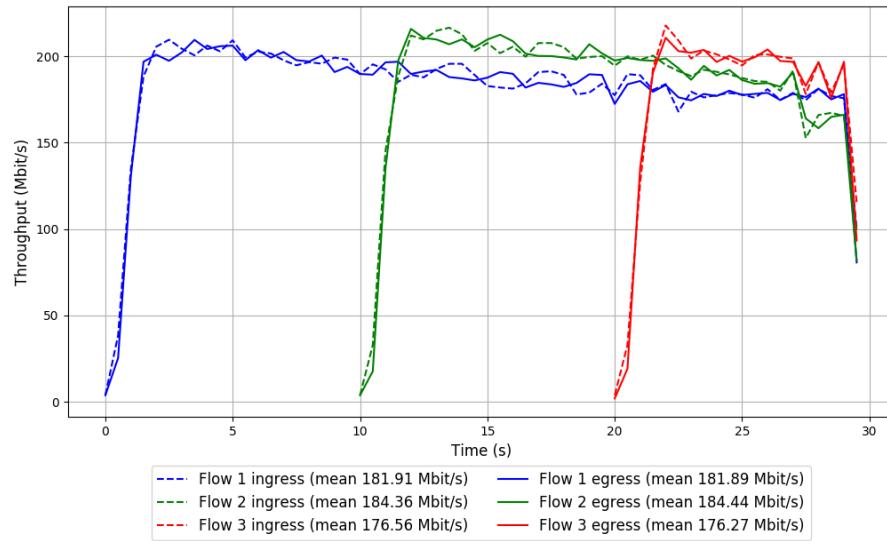
Run 9: Statistics of Indigo-calib

Start at: 2017-12-01 03:57:45

End at: 2017-12-01 03:58:15

```
# Below is generated by plot.py at 2017-12-01 07:45:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.38 Mbit/s
95th percentile per-packet one-way delay: 50.910 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 181.89 Mbit/s
95th percentile per-packet one-way delay: 50.773 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 184.44 Mbit/s
95th percentile per-packet one-way delay: 51.281 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 176.27 Mbit/s
95th percentile per-packet one-way delay: 50.671 ms
Loss rate: 1.16%
```

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 04:10:26

End at: 2017-12-01 04:10:56

```
# Below is generated by plot.py at 2017-12-01 07:45:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.97 Mbit/s
95th percentile per-packet one-way delay: 51.678 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 181.42 Mbit/s
95th percentile per-packet one-way delay: 51.202 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 179.02 Mbit/s
95th percentile per-packet one-way delay: 51.991 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 178.22 Mbit/s
95th percentile per-packet one-way delay: 52.830 ms
Loss rate: 1.11%
```

Run 10: Report of Indigo-calib — Data Link

