

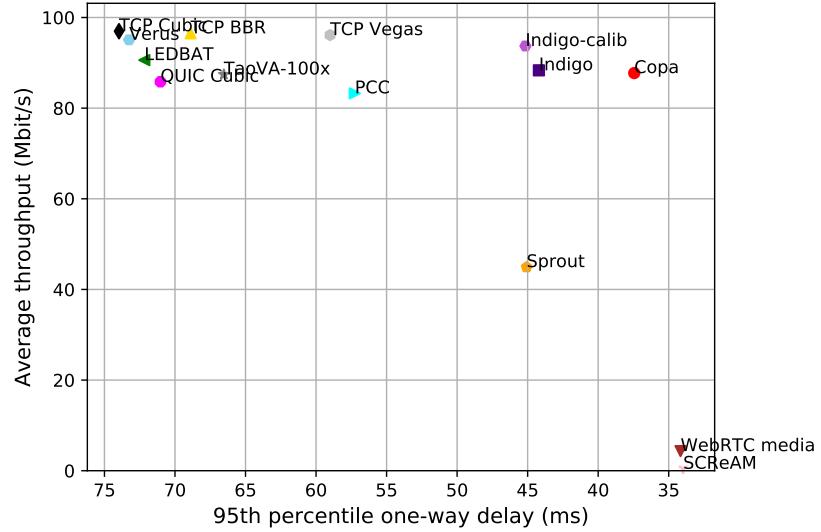
Pantheon Report

Generated at 2017-11-16 14:54:50 (UTC).
Data path: India Ethernet (*remote*) → AWS India 1 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**).
NTP offsets were measured against nets.org.sg and have been applied to correct the timestamps in logs.

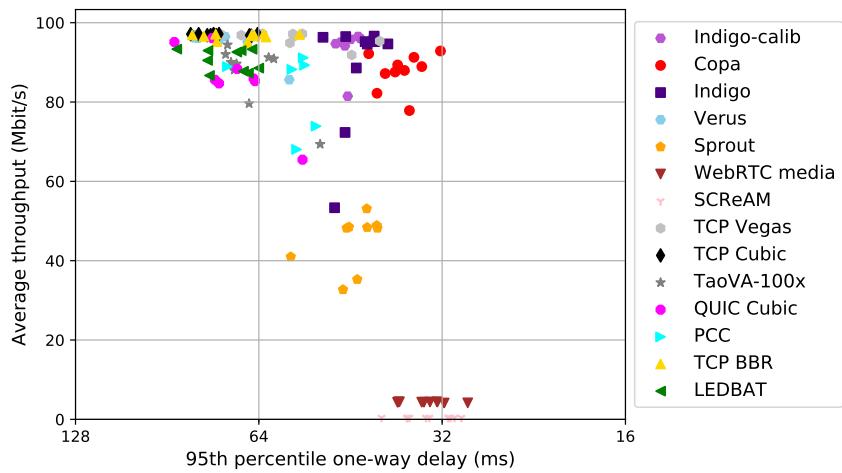
Git summary:

```
branch: indigos @ f54f2953f2a9765c9ffa988d13de5a9471790eb0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
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 @ 57caa40858b964906edff4876d5a7e5bfff666c5
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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 India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



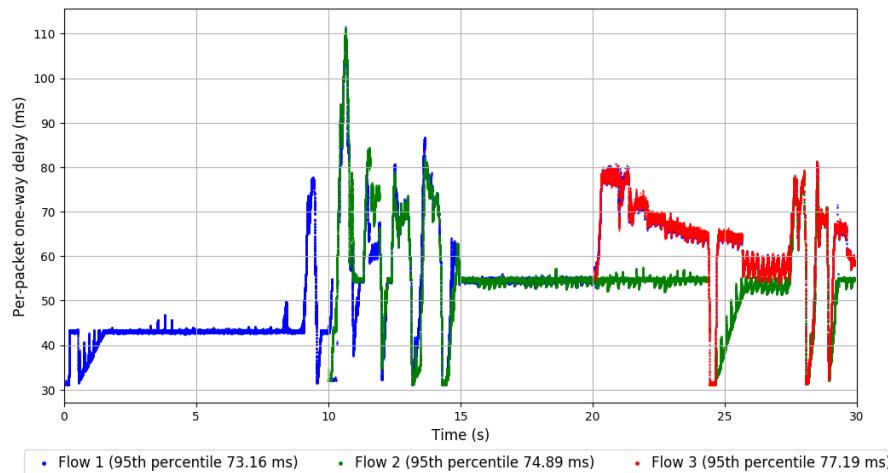
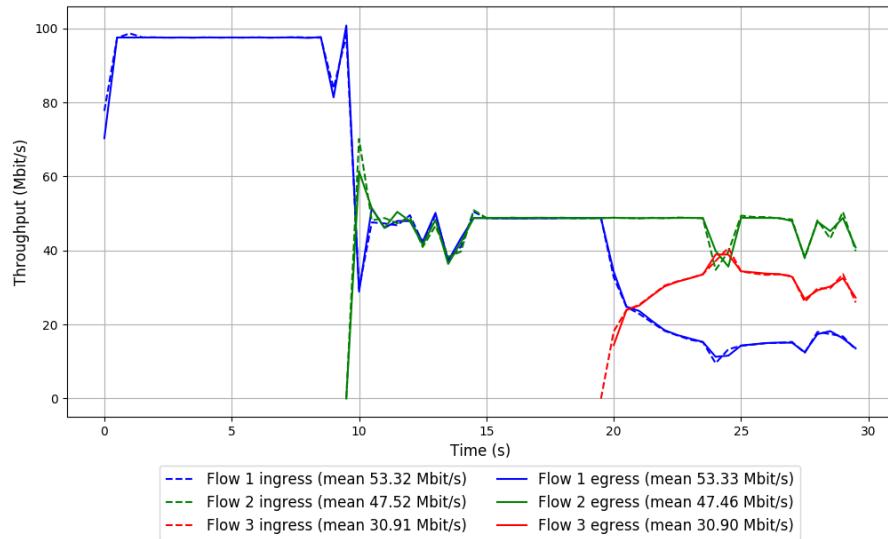
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 59.89 | 40.24 | 29.58 | 63.32 | 68.81 | 73.34 | 0.12 | 0.25 | 0.63 |
| TCP Cubic | 10 | 60.80 | 40.82 | 30.19 | 67.40 | 72.62 | 75.68 | 0.12 | 0.26 | 0.91 |
| LEDBAT | 10 | 55.18 | 36.35 | 33.34 | 71.60 | 72.92 | 67.33 | 0.16 | 0.33 | 0.75 |
| PCC | 6 | 52.71 | 38.26 | 15.51 | 53.91 | 52.72 | 48.90 | 0.09 | 0.19 | 0.33 |
| QUIC Cubic | 8 | 46.26 | 41.71 | 32.05 | 63.98 | 68.65 | 72.51 | 0.12 | 0.31 | 0.80 |
| SCReAM | 10 | 0.21 | 0.21 | 0.22 | 33.88 | 34.12 | 33.05 | 0.07 | 0.12 | 0.18 |
| WebRTC media | 10 | 2.29 | 1.44 | 0.63 | 34.02 | 34.26 | 34.40 | 0.09 | 0.19 | 0.64 |
| Sprout | 9 | 22.39 | 22.16 | 21.90 | 44.38 | 45.25 | 45.84 | 0.12 | 0.14 | 0.30 |
| TaoVA-100x | 10 | 54.04 | 37.51 | 32.79 | 59.87 | 63.77 | 67.08 | 0.25 | 0.91 | 0.72 |
| TCP Vegas | 10 | 62.54 | 36.94 | 30.57 | 58.62 | 52.16 | 57.67 | 0.12 | 0.15 | 0.58 |
| Verus | 10 | 59.52 | 40.49 | 26.07 | 62.66 | 70.17 | 76.23 | 0.19 | 0.27 | 0.66 |
| Copa | 10 | 55.16 | 36.77 | 31.62 | 37.31 | 37.54 | 38.74 | 0.05 | 0.13 | 0.38 |
| Indigo | 10 | 54.24 | 34.36 | 34.54 | 45.13 | 44.89 | 42.42 | 0.09 | 0.13 | 0.36 |
| Indigo-calib | 8 | 57.95 | 36.02 | 33.23 | 44.41 | 48.60 | 48.66 | 0.08 | 0.14 | 0.36 |

Run 1: Statistics of TCP BBR

```
Start at: 2017-11-16 07:22:01
End at: 2017-11-16 07:22:31
Local clock offset: 2.367 ms
Remote clock offset: -17.649 ms

# Below is generated by plot.py at 2017-11-16 14:34:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 75.022 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.33 Mbit/s
95th percentile per-packet one-way delay: 73.162 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 47.46 Mbit/s
95th percentile per-packet one-way delay: 74.887 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 77.185 ms
Loss rate: 0.49%
```

Run 1: Report of TCP BBR — Data Link

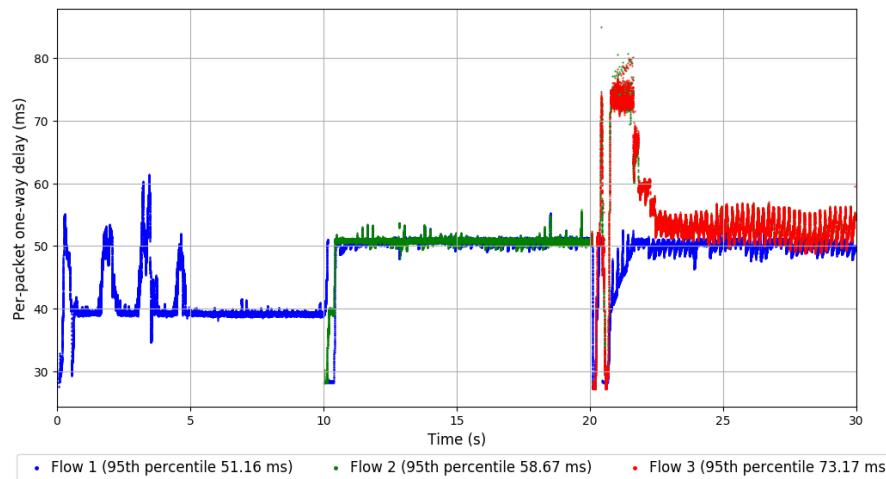
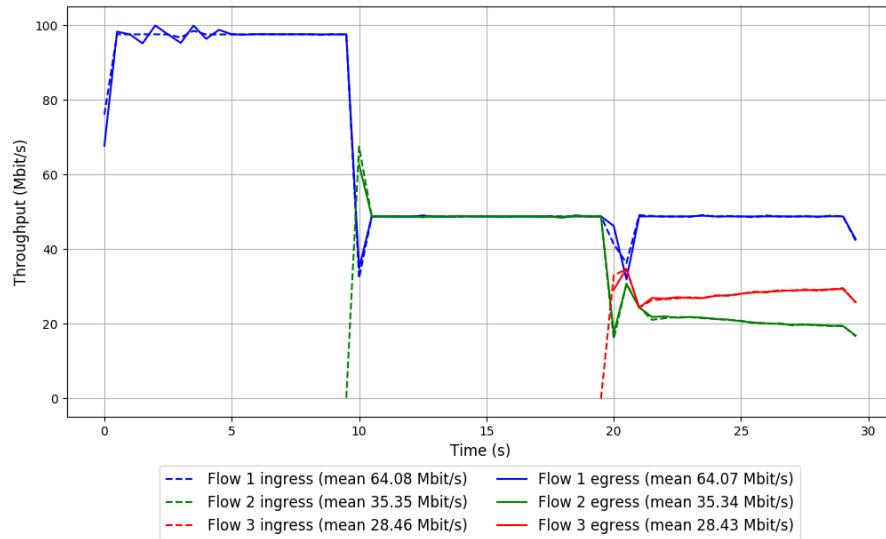


Run 2: Statistics of TCP BBR

```
Start at: 2017-11-16 07:42:14
End at: 2017-11-16 07:42:44
Local clock offset: -1.564 ms
Remote clock offset: -17.082 ms

# Below is generated by plot.py at 2017-11-16 14:34:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 54.871 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 51.163 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 58.672 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 73.170 ms
Loss rate: 0.53%
```

Run 2: Report of TCP BBR — Data Link

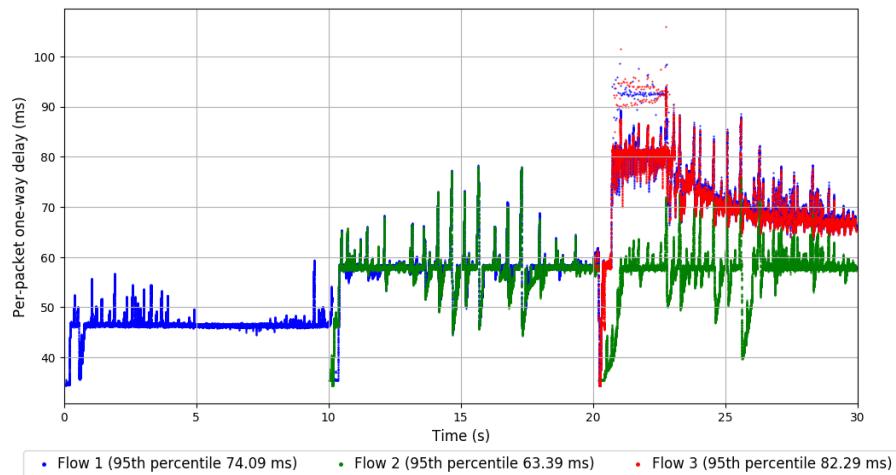
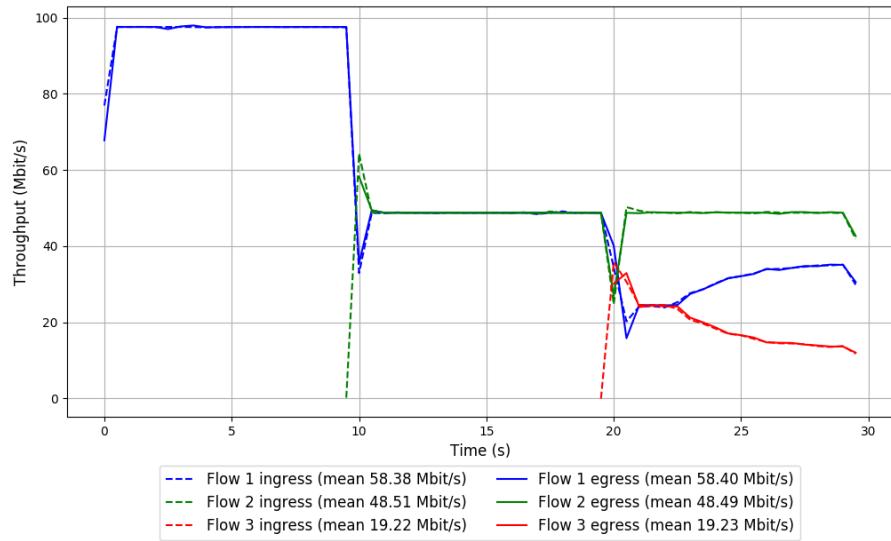


Run 3: Statistics of TCP BBR

```
Start at: 2017-11-16 08:04:39
End at: 2017-11-16 08:05:09
Local clock offset: -0.06 ms
Remote clock offset: -21.684 ms

# Below is generated by plot.py at 2017-11-16 14:34:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 75.343 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 74.093 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 63.387 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 82.287 ms
Loss rate: 0.40%
```

Run 3: Report of TCP BBR — Data Link

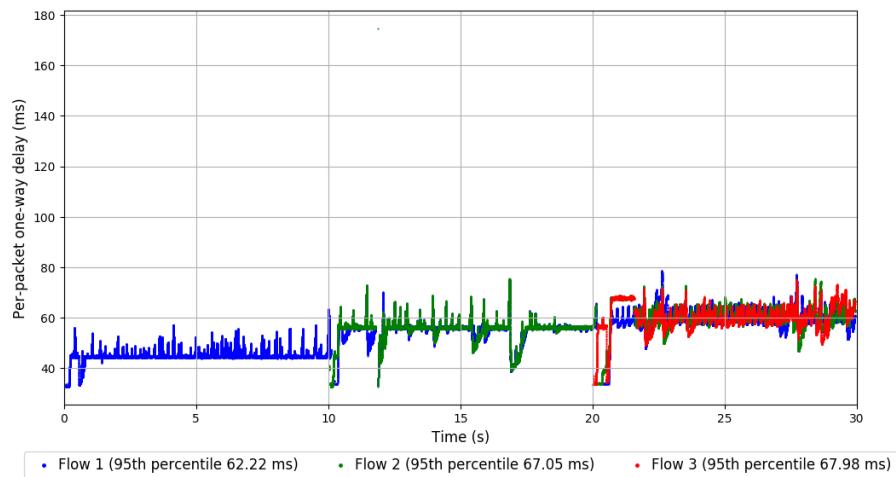
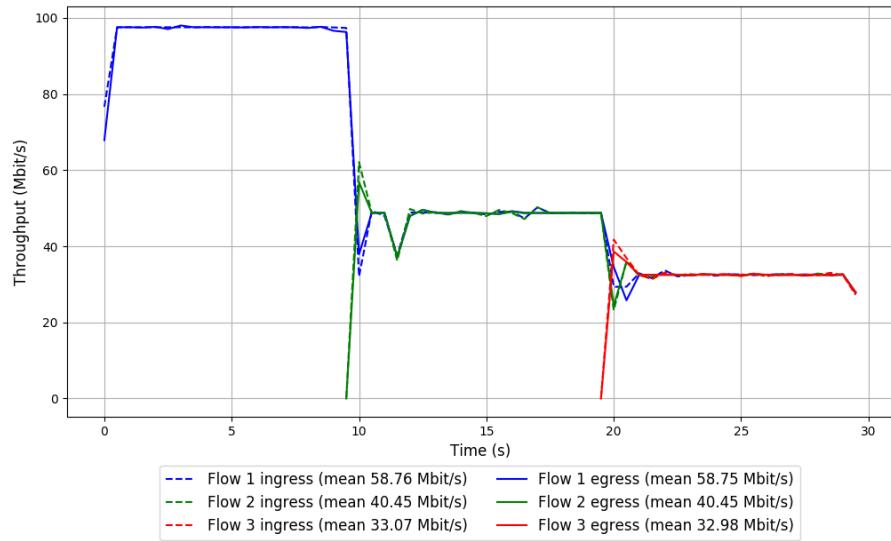


Run 4: Statistics of TCP BBR

```
Start at: 2017-11-16 08:31:45
End at: 2017-11-16 08:32:15
Local clock offset: 1.272 ms
Remote clock offset: -19.709 ms

# Below is generated by plot.py at 2017-11-16 14:34:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 65.048 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 62.220 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 67.047 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 67.978 ms
Loss rate: 0.53%
```

Run 4: Report of TCP BBR — Data Link

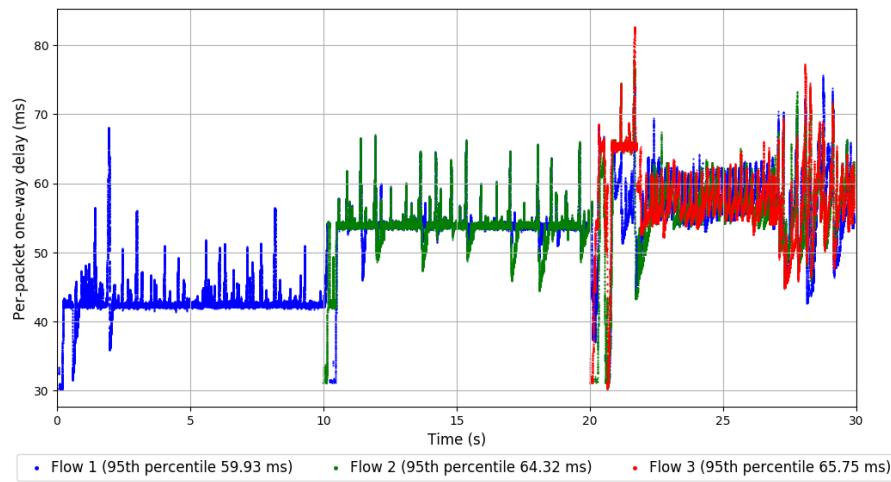
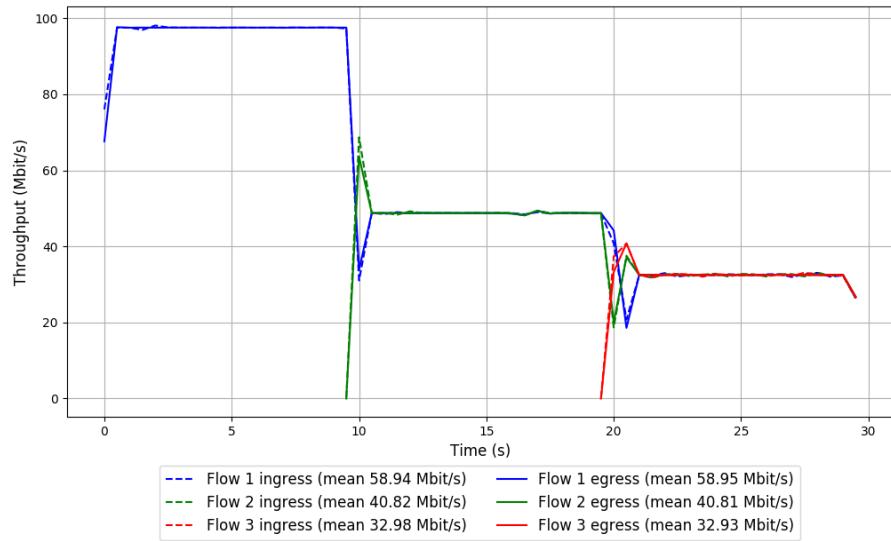


Run 5: Statistics of TCP BBR

```
Start at: 2017-11-16 08:59:57
End at: 2017-11-16 09:00:27
Local clock offset: 1.08 ms
Remote clock offset: -17.041 ms

# Below is generated by plot.py at 2017-11-16 14:34:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 62.846 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 59.930 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 64.323 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 65.754 ms
Loss rate: 0.52%
```

Run 5: Report of TCP BBR — Data Link

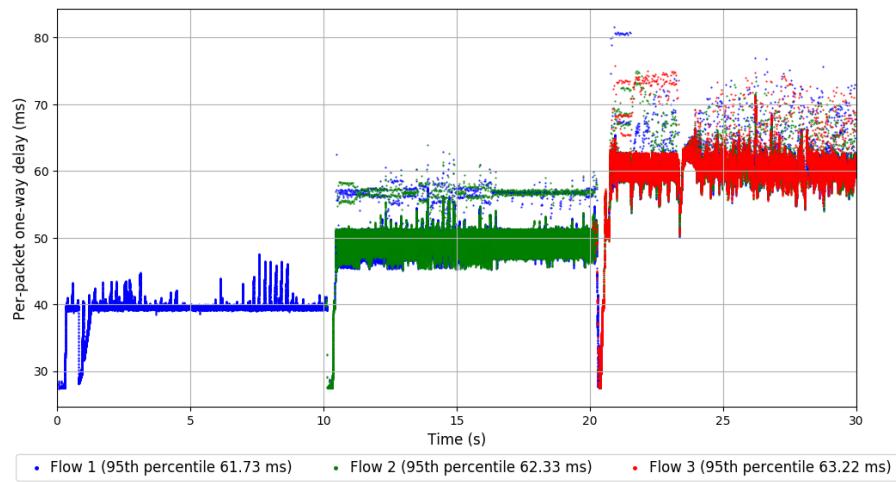
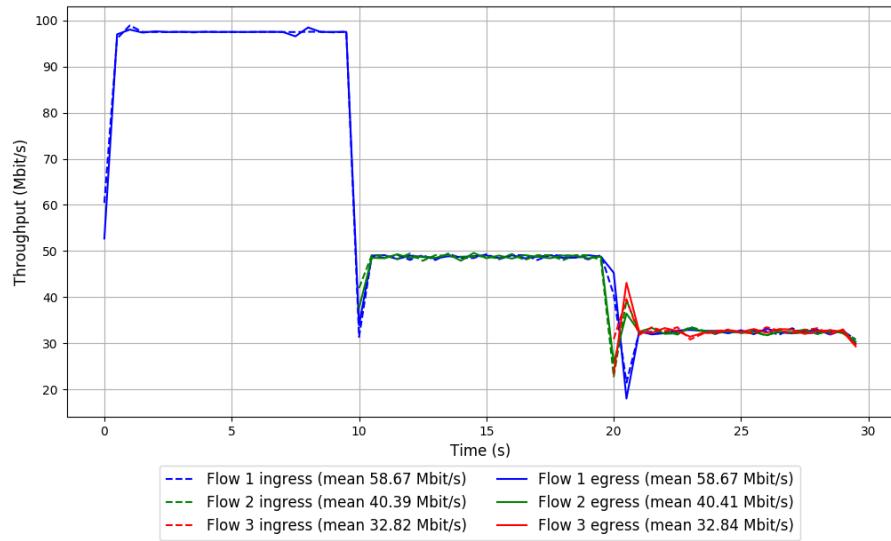


Run 6: Statistics of TCP BBR

```
Start at: 2017-11-16 09:28:27
End at: 2017-11-16 09:28:57
Local clock offset: -0.437 ms
Remote clock offset: -16.631 ms

# Below is generated by plot.py at 2017-11-16 14:34:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 61.725 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 62.330 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 63.223 ms
Loss rate: 0.68%
```

Run 6: Report of TCP BBR — Data Link

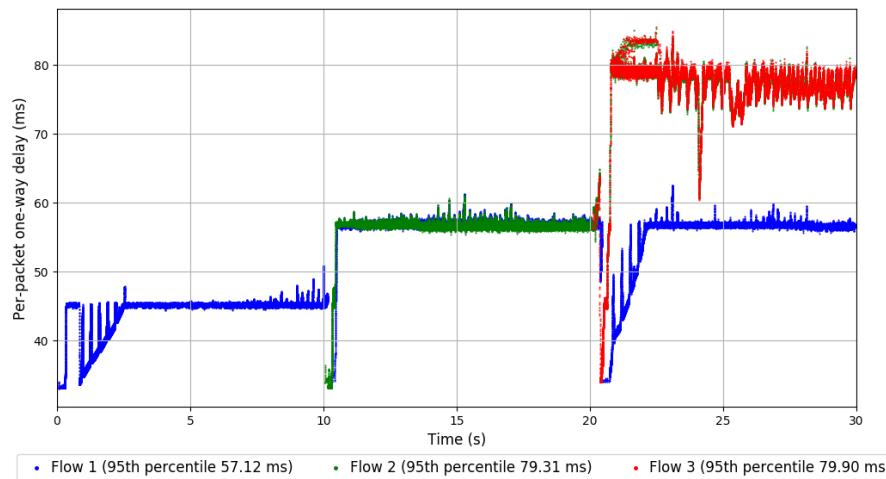
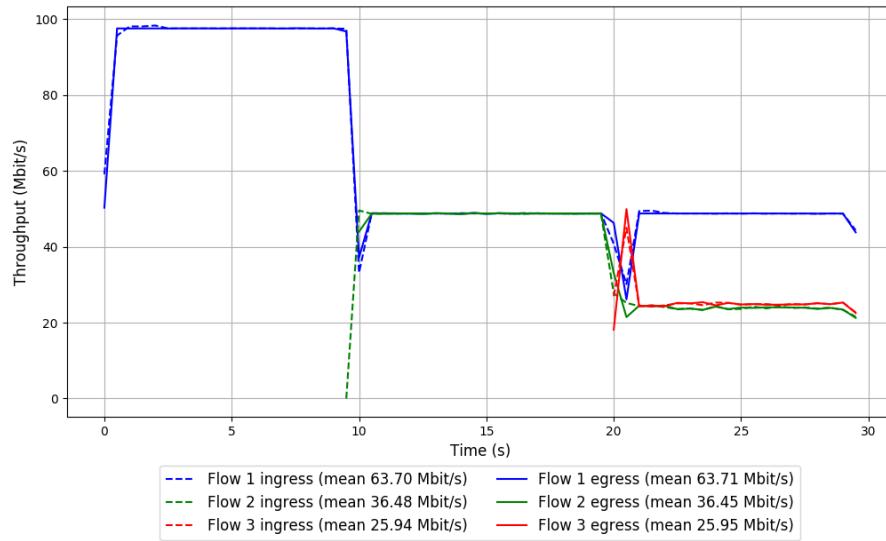


Run 7: Statistics of TCP BBR

```
Start at: 2017-11-16 09:48:24
End at: 2017-11-16 09:48:54
Local clock offset: 3.751 ms
Remote clock offset: -16.135 ms

# Below is generated by plot.py at 2017-11-16 14:34:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 78.775 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 57.119 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 79.306 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 25.95 Mbit/s
95th percentile per-packet one-way delay: 79.901 ms
Loss rate: 0.78%
```

Run 7: Report of TCP BBR — Data Link

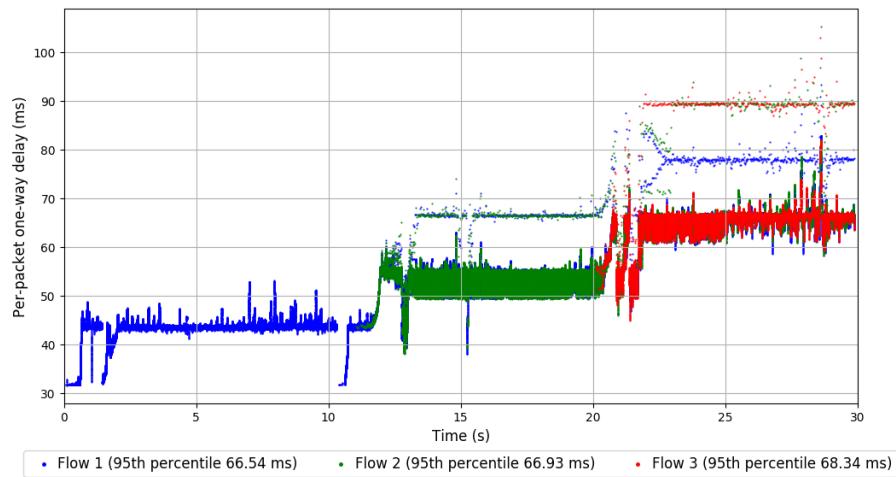
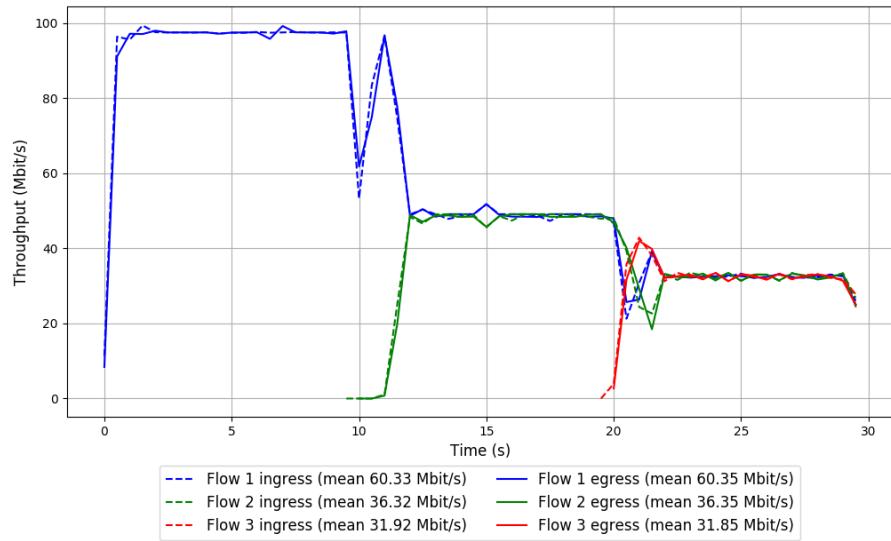


Run 8: Statistics of TCP BBR

```
Start at: 2017-11-16 10:09:17
End at: 2017-11-16 10:09:48
Local clock offset: 2.293 ms
Remote clock offset: -19.709 ms

# Below is generated by plot.py at 2017-11-16 14:34:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 66.787 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 66.536 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 66.931 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 68.343 ms
Loss rate: 1.15%
```

Run 8: Report of TCP BBR — Data Link

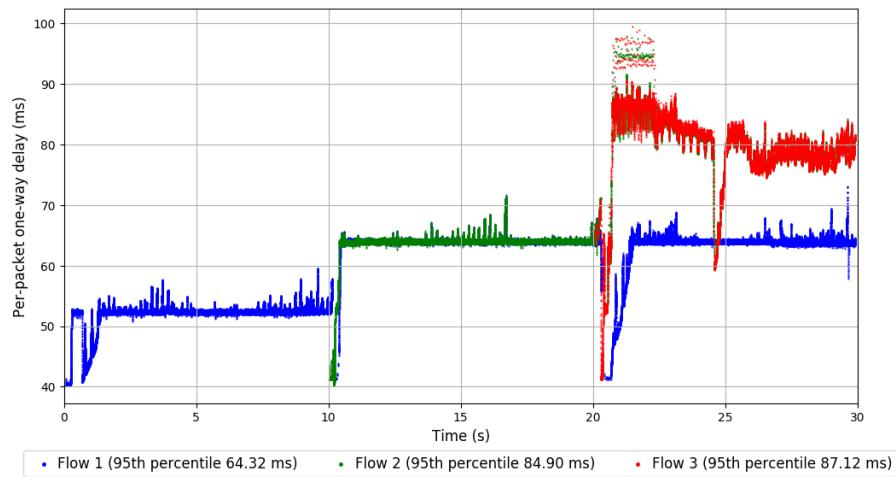
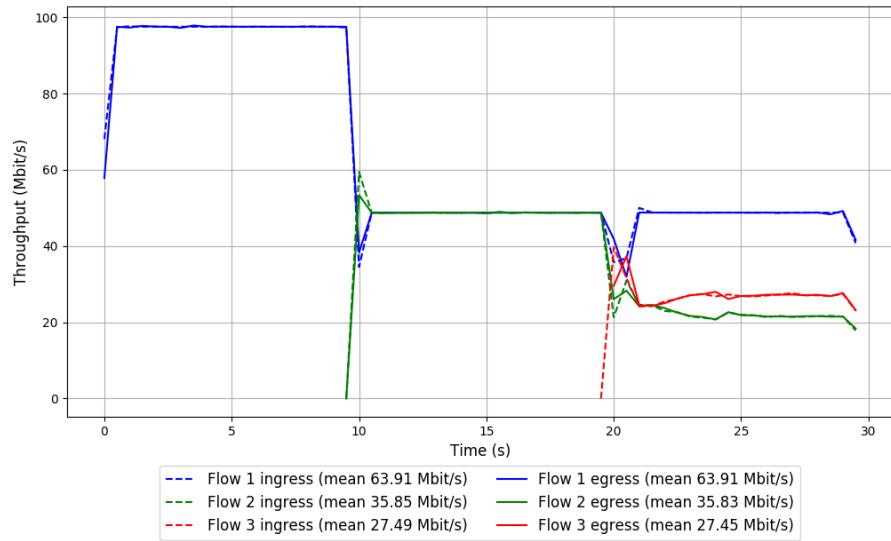


Run 9: Statistics of TCP BBR

```
Start at: 2017-11-16 10:30:30
End at: 2017-11-16 10:31:00
Local clock offset: 3.44 ms
Remote clock offset: -17.644 ms

# Below is generated by plot.py at 2017-11-16 14:35:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 82.310 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 63.91 Mbit/s
95th percentile per-packet one-way delay: 64.322 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 84.903 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 87.119 ms
Loss rate: 0.73%
```

Run 9: Report of TCP BBR — Data Link

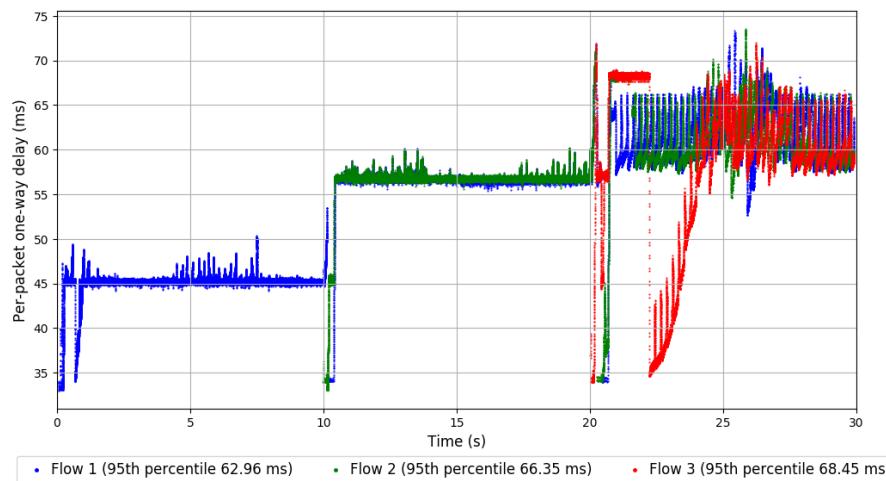
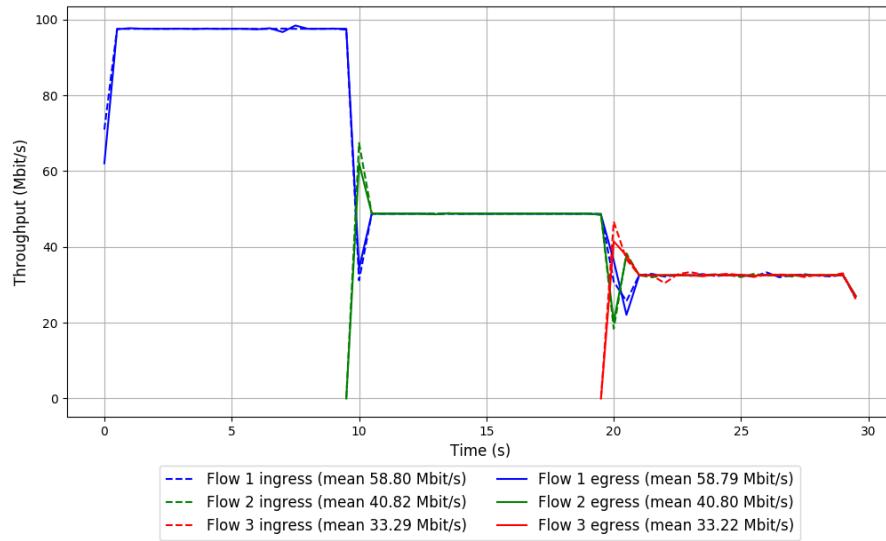


Run 10: Statistics of TCP BBR

```
Start at: 2017-11-16 10:49:29
End at: 2017-11-16 10:49:59
Local clock offset: 1.868 ms
Remote clock offset: -17.019 ms

# Below is generated by plot.py at 2017-11-16 14:35:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 65.665 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 62.957 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 66.354 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 68.455 ms
Loss rate: 0.53%
```

Run 10: Report of TCP BBR — Data Link

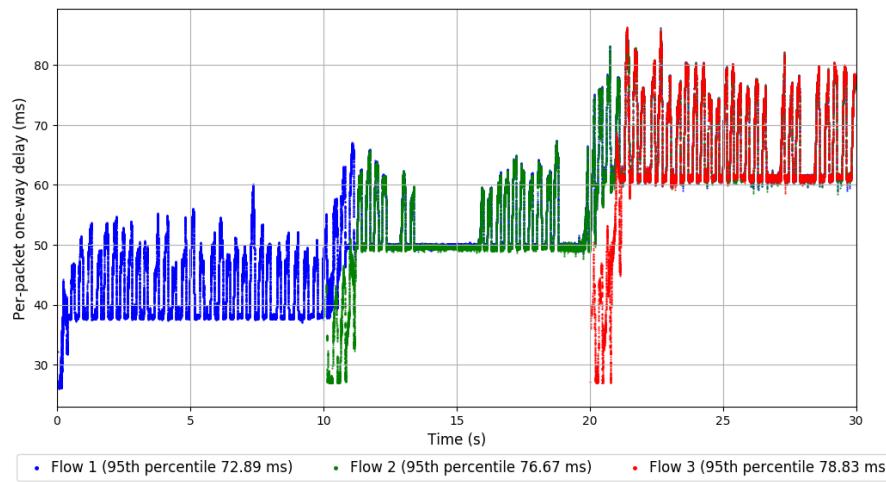
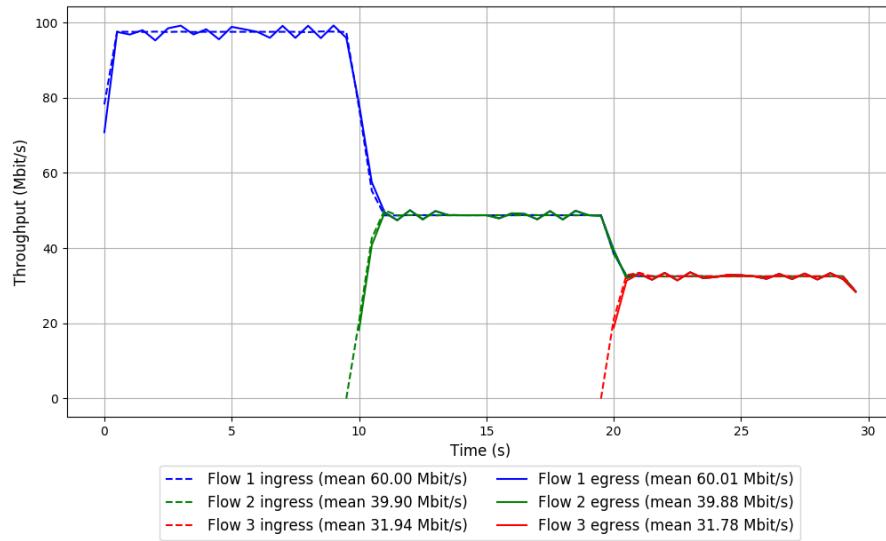


```
Run 1: Statistics of TCP Cubic

Start at: 2017-11-16 07:32:25
End at: 2017-11-16 07:32:55
Local clock offset: -1.354 ms
Remote clock offset: -15.743 ms

# Below is generated by plot.py at 2017-11-16 14:35:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 75.940 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 72.889 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 76.667 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 78.832 ms
Loss rate: 0.76%
```

Run 1: Report of TCP Cubic — Data Link

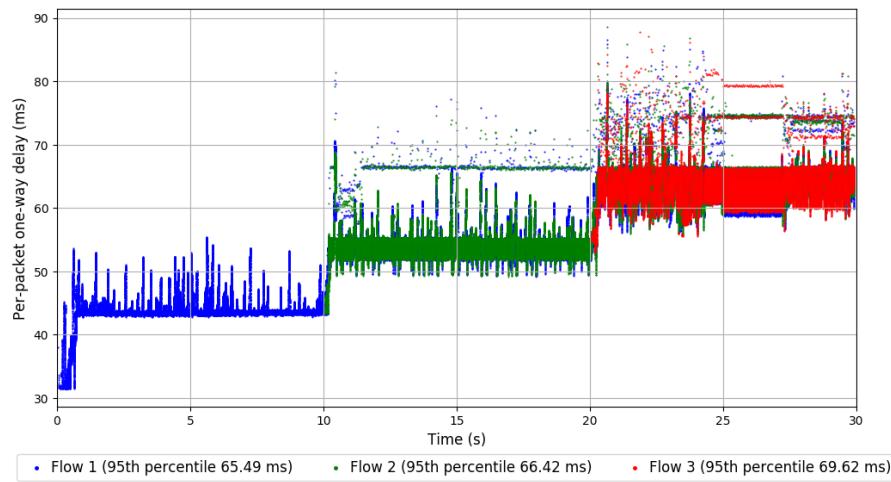
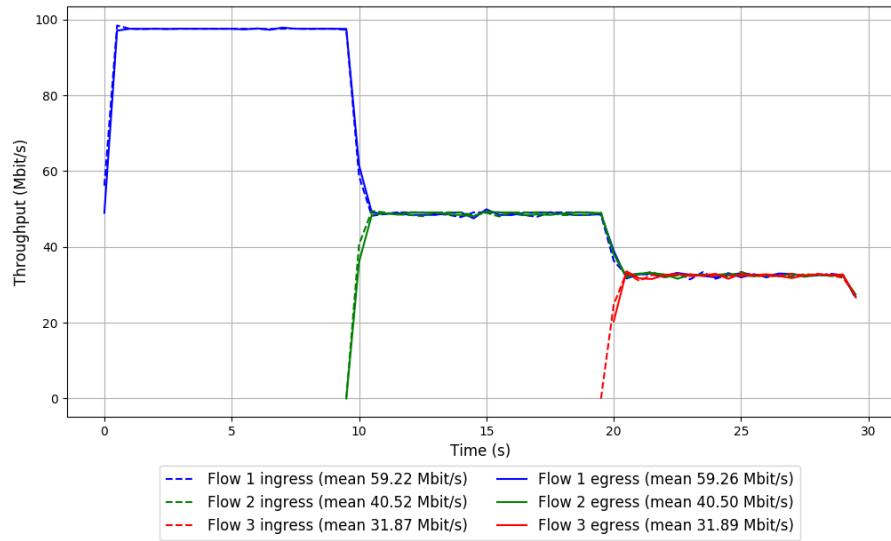


Run 2: Statistics of TCP Cubic

```
Start at: 2017-11-16 07:52:24
End at: 2017-11-16 07:52:54
Local clock offset: 1.284 ms
Remote clock offset: -17.246 ms

# Below is generated by plot.py at 2017-11-16 14:35:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 66.298 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 65.488 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 66.421 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 69.624 ms
Loss rate: 0.64%
```

Run 2: Report of TCP Cubic — Data Link

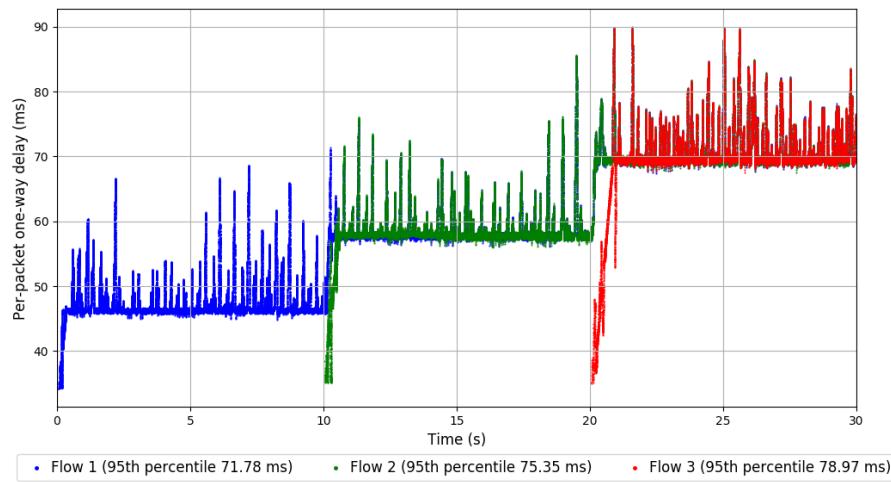
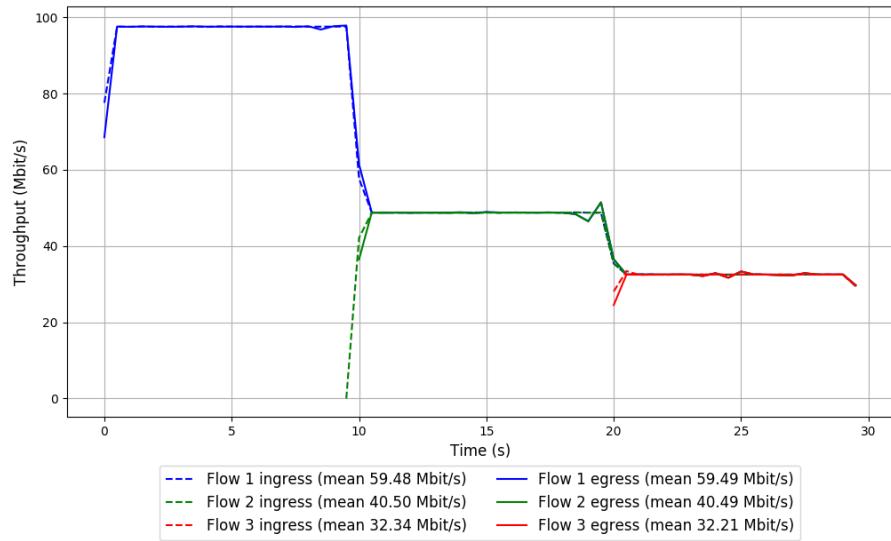


Run 3: Statistics of TCP Cubic

```
Start at: 2017-11-16 08:17:37
End at: 2017-11-16 08:18:07
Local clock offset: 1.669 ms
Remote clock offset: -20.298 ms

# Below is generated by plot.py at 2017-11-16 14:35:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 74.403 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 71.784 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 75.347 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 78.975 ms
Loss rate: 0.67%
```

Run 3: Report of TCP Cubic — Data Link

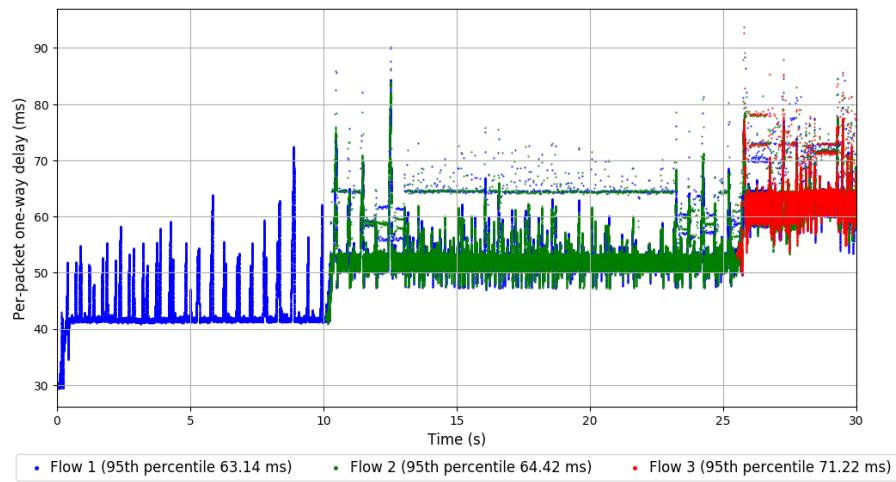
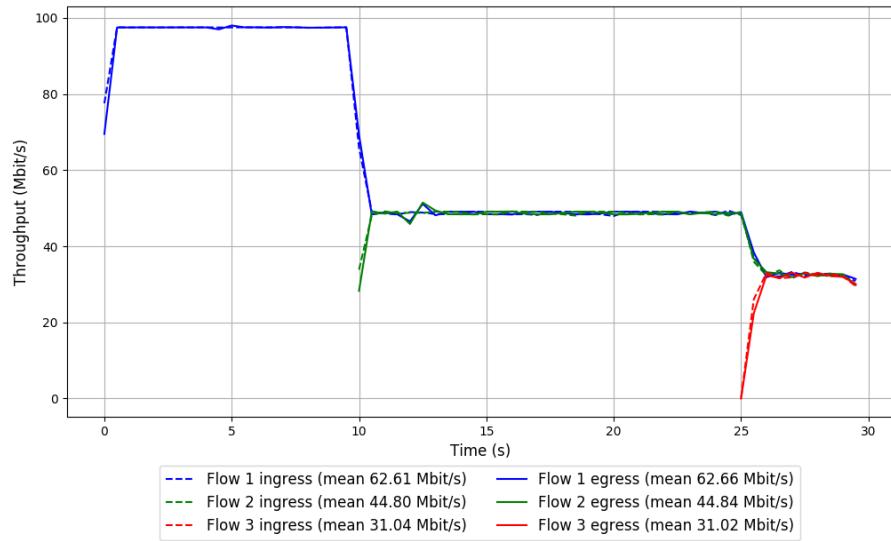


Run 4: Statistics of TCP Cubic

```
Start at: 2017-11-16 08:45:40
End at: 2017-11-16 08:46:10
Local clock offset: -1.543 ms
Remote clock offset: -18.006 ms

# Below is generated by plot.py at 2017-11-16 14:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 64.310 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 63.138 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 44.84 Mbit/s
95th percentile per-packet one-way delay: 64.418 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 71.217 ms
Loss rate: 1.38%
```

Run 4: Report of TCP Cubic — Data Link

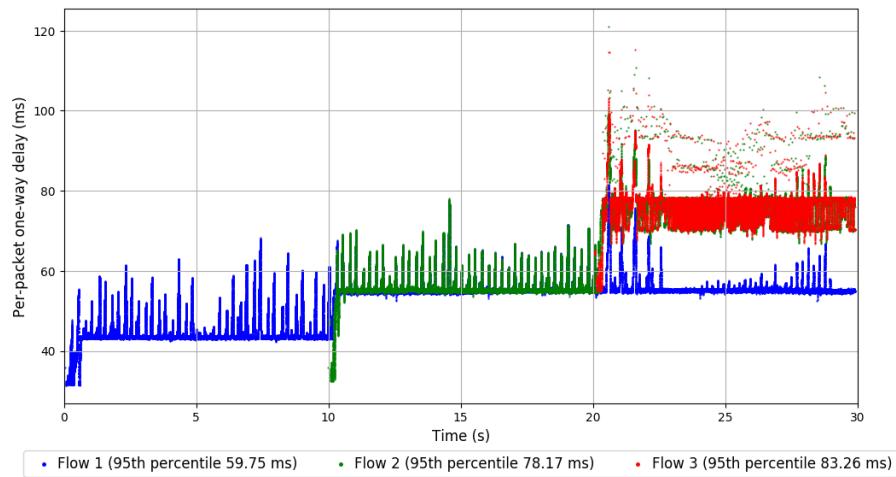
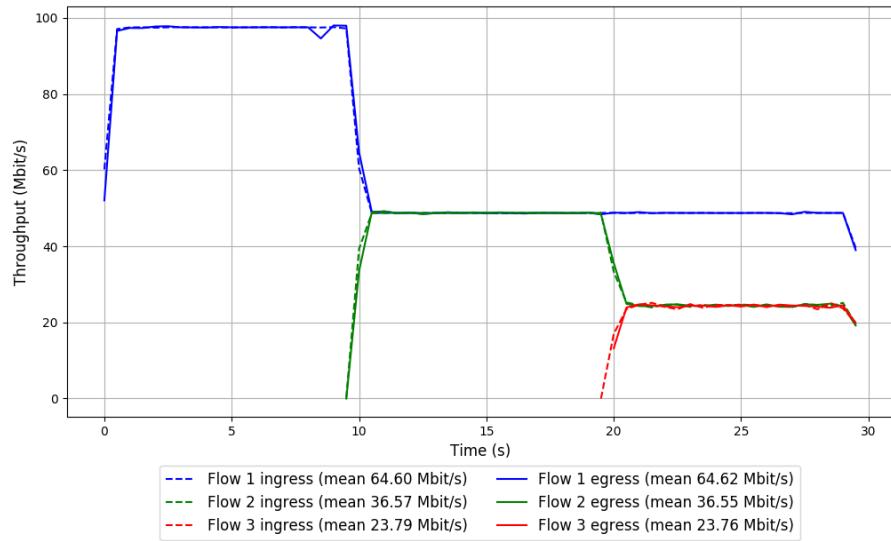


```
Run 5: Statistics of TCP Cubic
```

```
Start at: 2017-11-16 09:16:45
End at: 2017-11-16 09:17:15
Local clock offset: 1.544 ms
Remote clock offset: -18.419 ms

# Below is generated by plot.py at 2017-11-16 14:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 77.772 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 59.753 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 78.169 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 83.258 ms
Loss rate: 0.79%
```

Run 5: Report of TCP Cubic — Data Link

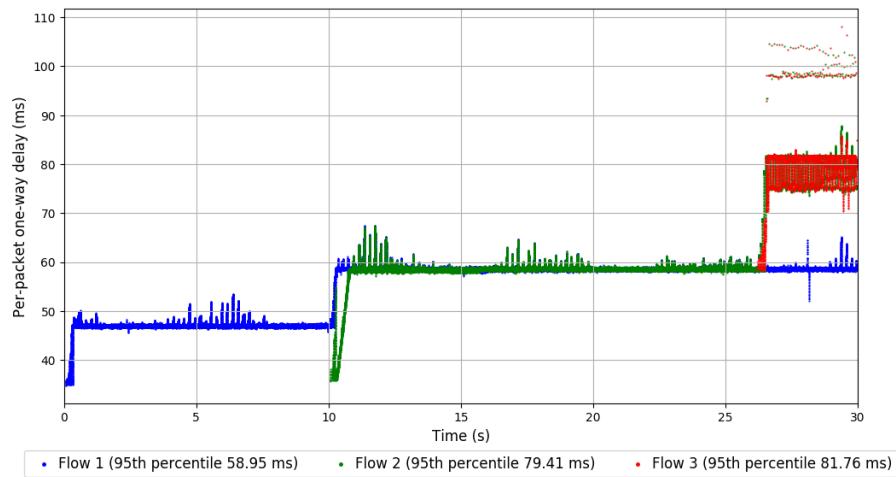
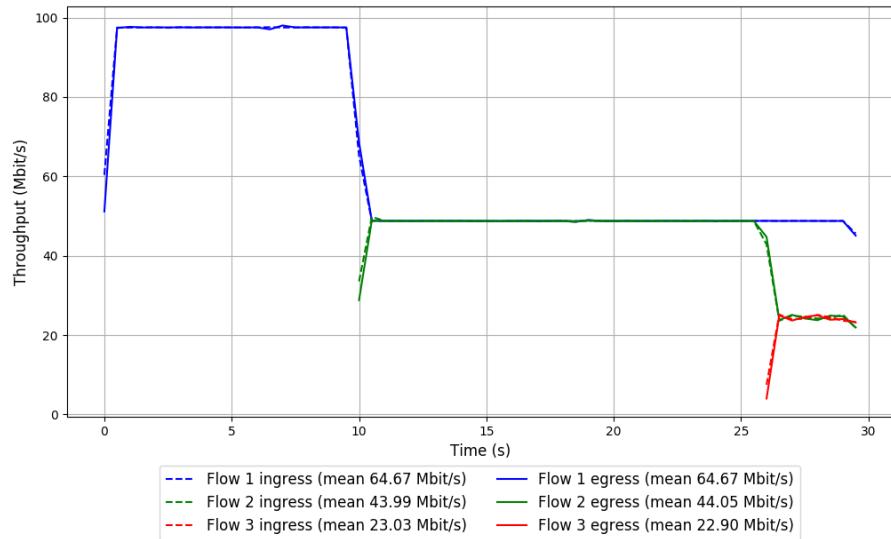


Run 6: Statistics of TCP Cubic

```
Start at: 2017-11-16 09:38:33
End at: 2017-11-16 09:39:03
Local clock offset: 2.976 ms
Remote clock offset: -18.709 ms

# Below is generated by plot.py at 2017-11-16 14:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 75.194 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 58.954 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 79.407 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 22.90 Mbit/s
95th percentile per-packet one-way delay: 81.758 ms
Loss rate: 2.25%
```

Run 6: Report of TCP Cubic — Data Link

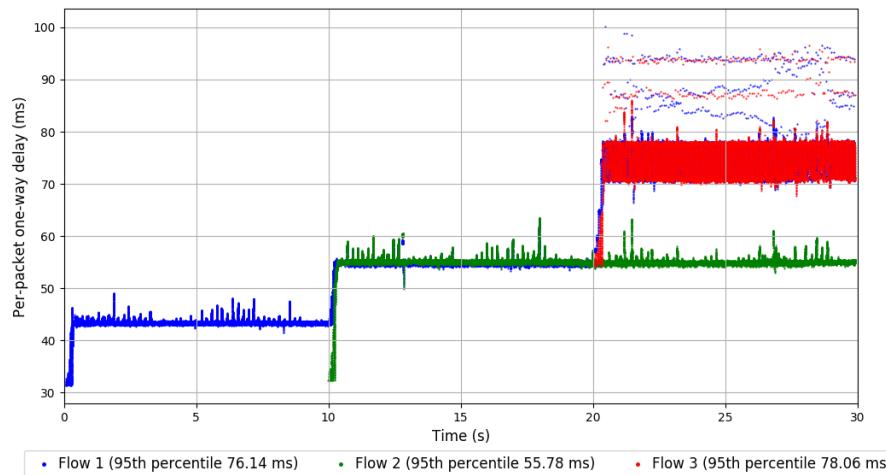
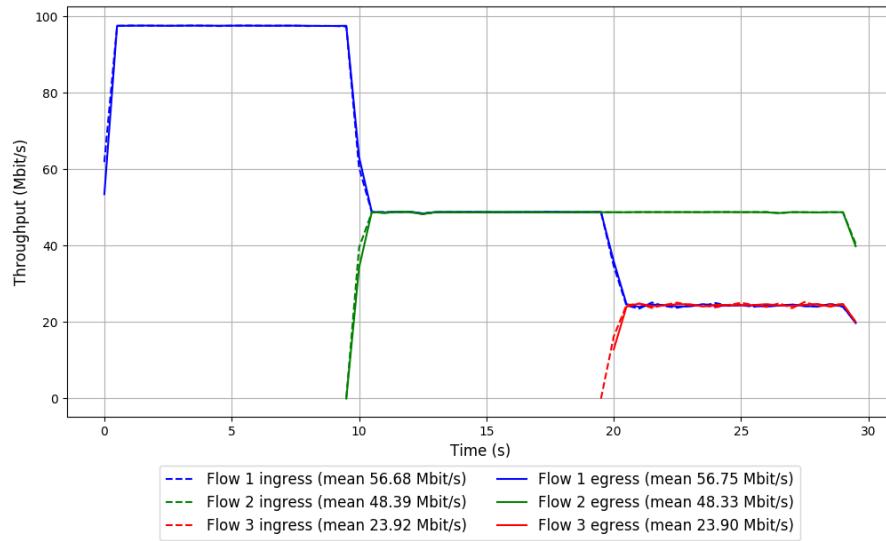


Run 7: Statistics of TCP Cubic

```
Start at: 2017-11-16 09:58:12
End at: 2017-11-16 09:58:42
Local clock offset: 1.734 ms
Remote clock offset: -16.461 ms

# Below is generated by plot.py at 2017-11-16 14:37:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 76.781 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 76.136 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 55.779 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 78.062 ms
Loss rate: 0.80%
```

Run 7: Report of TCP Cubic — Data Link

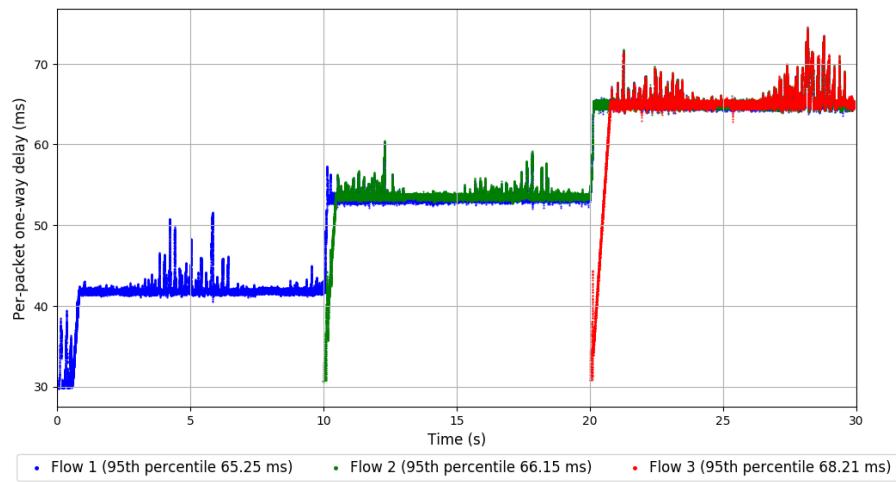
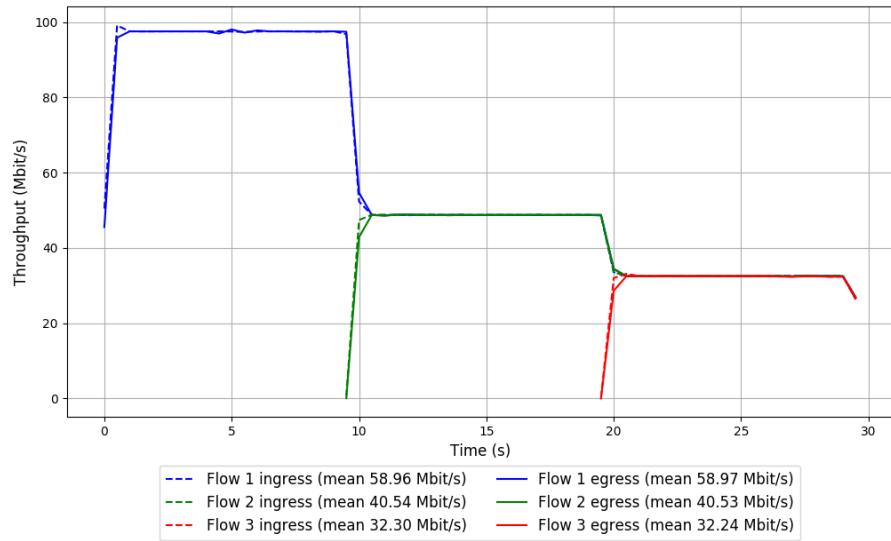


Run 8: Statistics of TCP Cubic

```
Start at: 2017-11-16 10:20:30
End at: 2017-11-16 10:21:00
Local clock offset: 2.095 ms
Remote clock offset: -17.597 ms

# Below is generated by plot.py at 2017-11-16 14:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 65.807 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 65.250 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 66.146 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 68.209 ms
Loss rate: 0.59%
```

Run 8: Report of TCP Cubic — Data Link

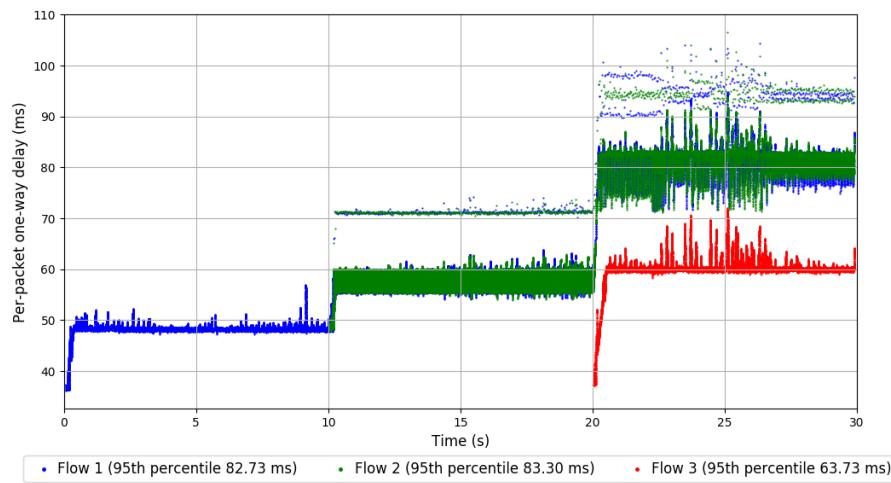
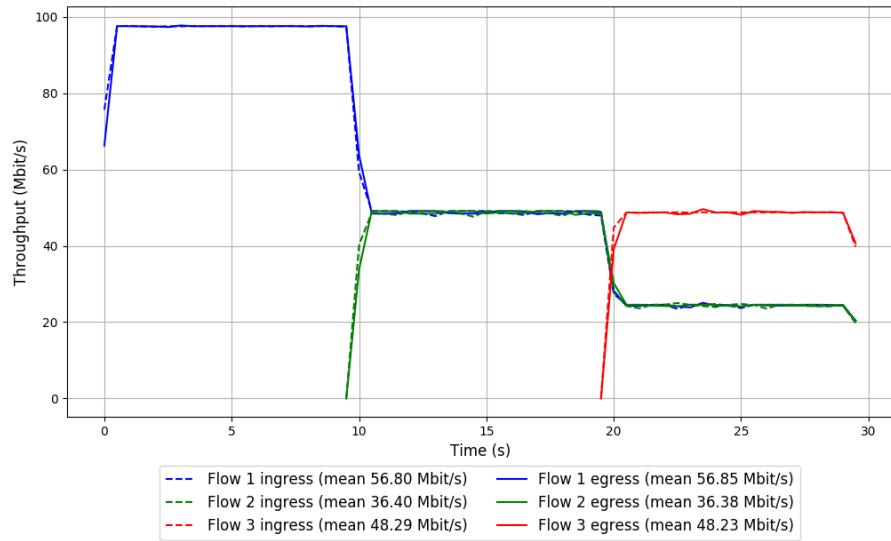


Run 9: Statistics of TCP Cubic

```
Start at: 2017-11-16 10:39:49
End at: 2017-11-16 10:40:19
Local clock offset: 4.085 ms
Remote clock offset: -17.694 ms

# Below is generated by plot.py at 2017-11-16 14:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 82.821 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: 82.731 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 83.298 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 63.728 ms
Loss rate: 0.51%
```

Run 9: Report of TCP Cubic — Data Link

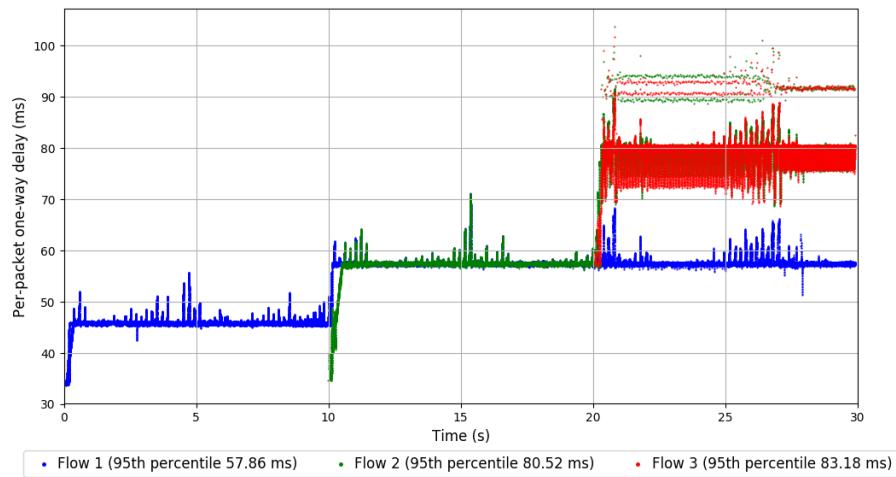
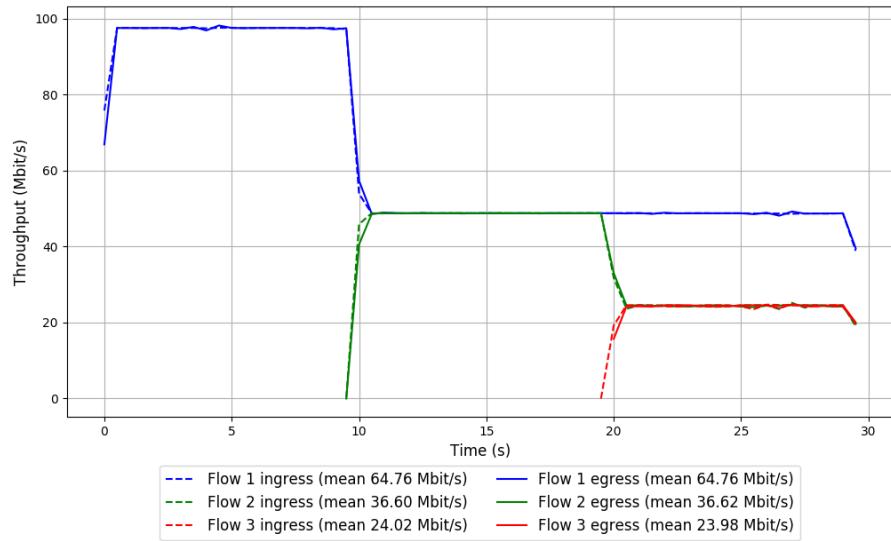


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-11-16 10:58:57
End at: 2017-11-16 10:59:27
Local clock offset: 2.401 ms
Remote clock offset: -17.566 ms

# Below is generated by plot.py at 2017-11-16 14:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 80.353 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 57.860 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 80.516 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 83.176 ms
Loss rate: 0.72%
```

Run 10: Report of TCP Cubic — Data Link

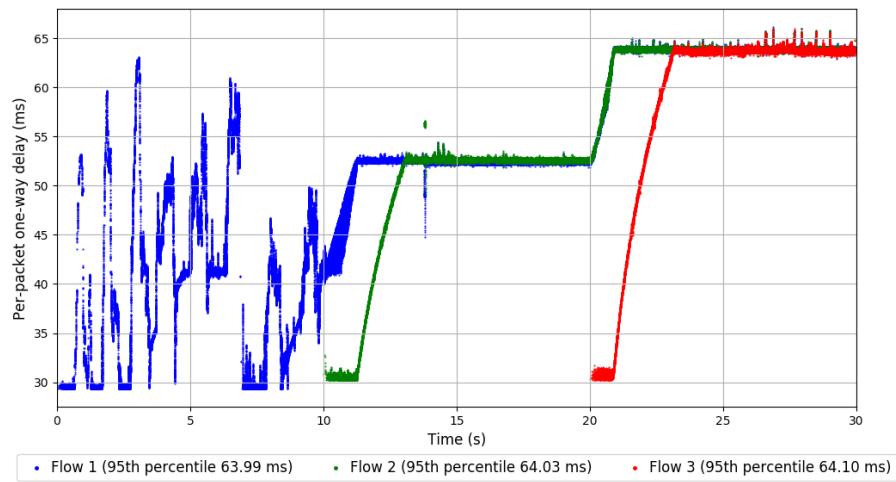
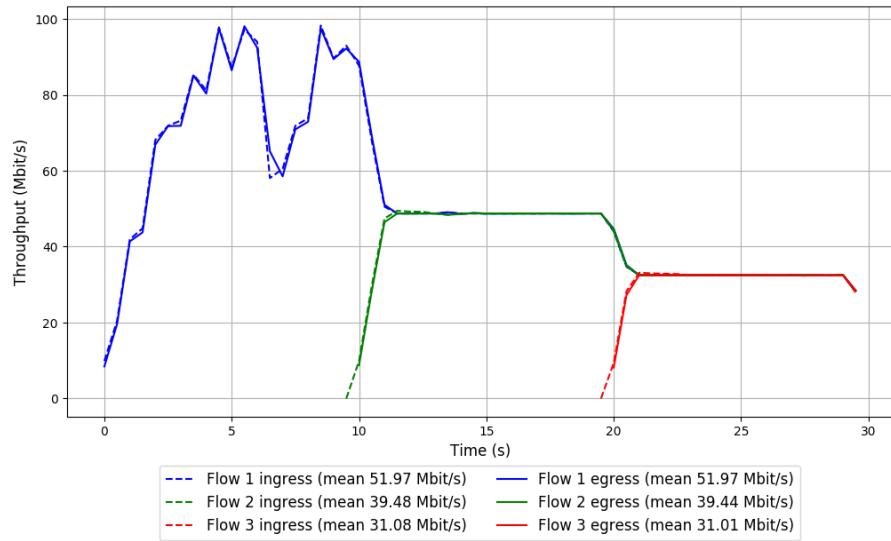


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-11-16 07:23:15
End at: 2017-11-16 07:23:45
Local clock offset: 2.044 ms
Remote clock offset: -16.128 ms

# Below is generated by plot.py at 2017-11-16 14:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 64.020 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 51.97 Mbit/s
95th percentile per-packet one-way delay: 63.994 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 64.029 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 64.100 ms
Loss rate: 0.61%
```

Run 1: Report of LEDBAT — Data Link

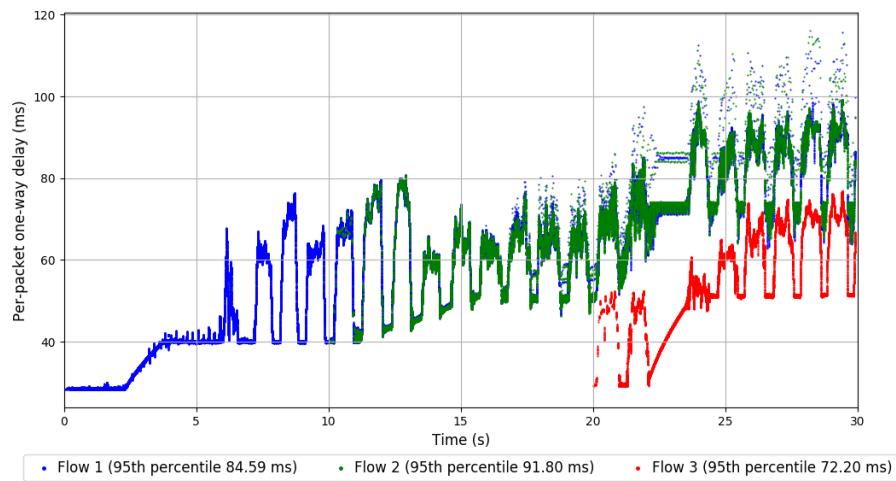
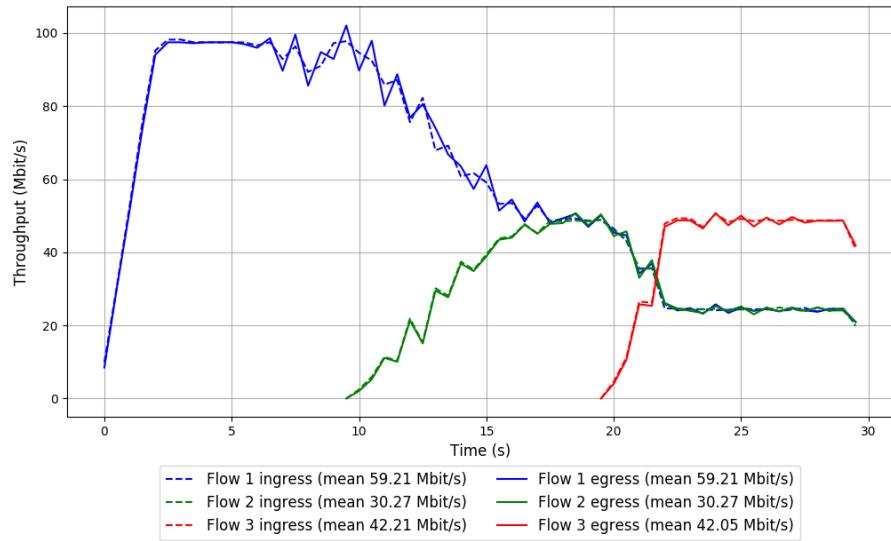


Run 2: Statistics of LEDBAT

```
Start at: 2017-11-16 07:43:33
End at: 2017-11-16 07:44:03
Local clock offset: -0.245 ms
Remote clock offset: -16.807 ms

# Below is generated by plot.py at 2017-11-16 14:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 87.295 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 84.590 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 91.797 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 42.05 Mbit/s
95th percentile per-packet one-way delay: 72.200 ms
Loss rate: 0.71%
```

Run 2: Report of LEDBAT — Data Link

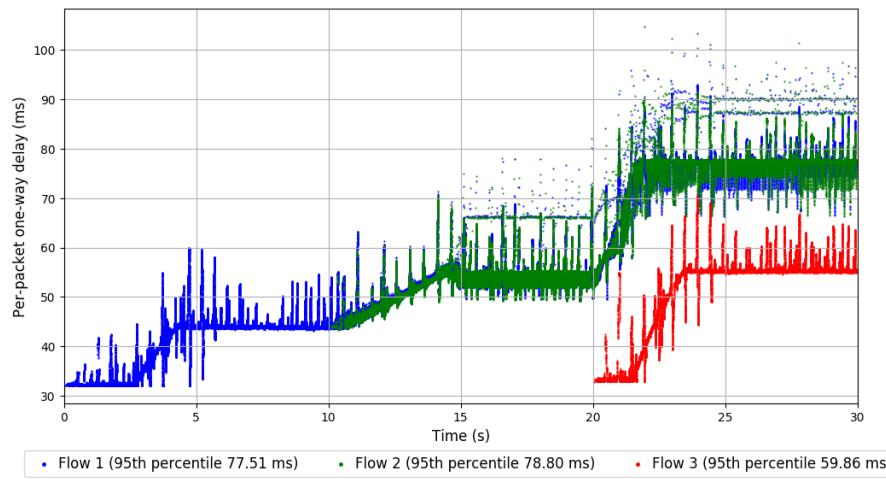
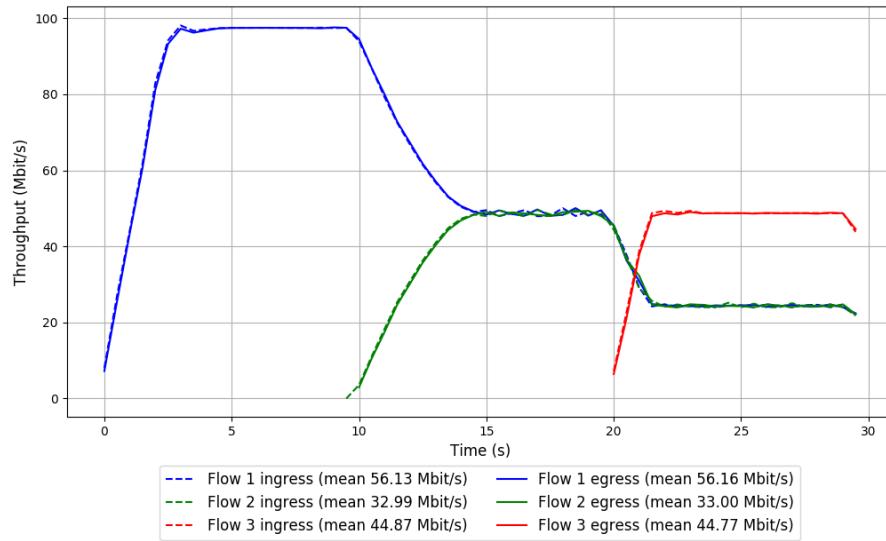


Run 3: Statistics of LEDBAT

```
Start at: 2017-11-16 08:06:14
End at: 2017-11-16 08:06:44
Local clock offset: 0.149 ms
Remote clock offset: -19.185 ms

# Below is generated by plot.py at 2017-11-16 14:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 77.580 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 77.511 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 78.800 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 59.860 ms
Loss rate: 0.52%
```

Run 3: Report of LEDBAT — Data Link

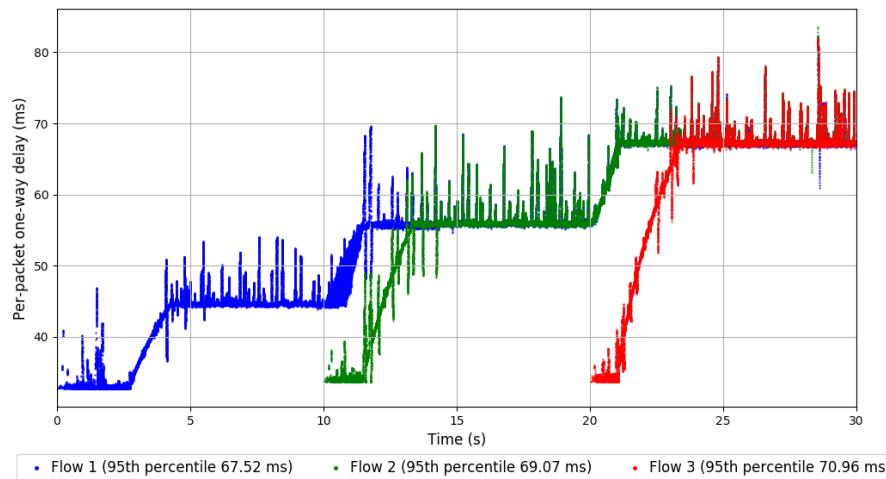
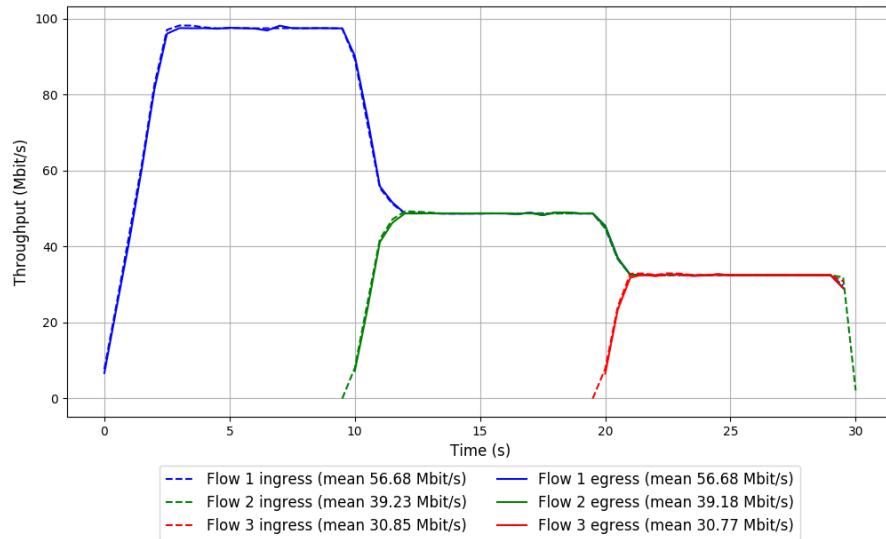


Run 4: Statistics of LEDBAT

```
Start at: 2017-11-16 08:33:26
End at: 2017-11-16 08:33:56
Local clock offset: 0.815 ms
Remote clock offset: -20.102 ms

# Below is generated by plot.py at 2017-11-16 14:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 68.416 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 67.516 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 69.071 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 70.961 ms
Loss rate: 0.99%
```

Run 4: Report of LEDBAT — Data Link

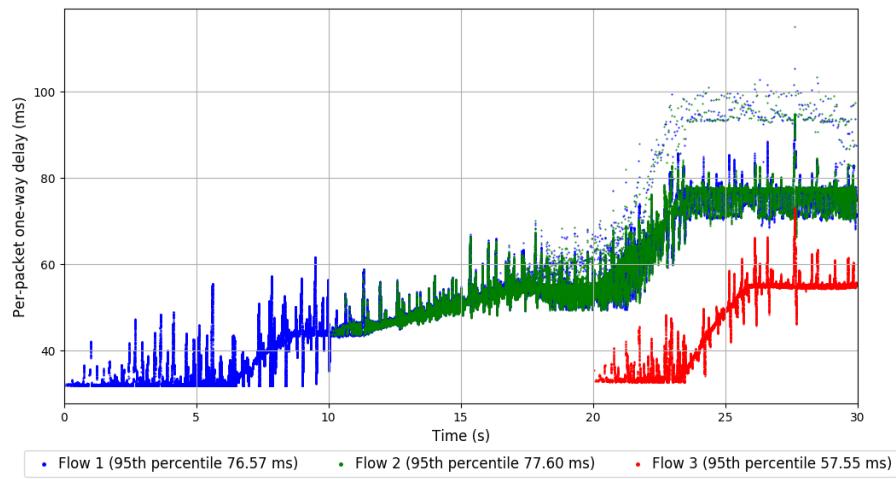
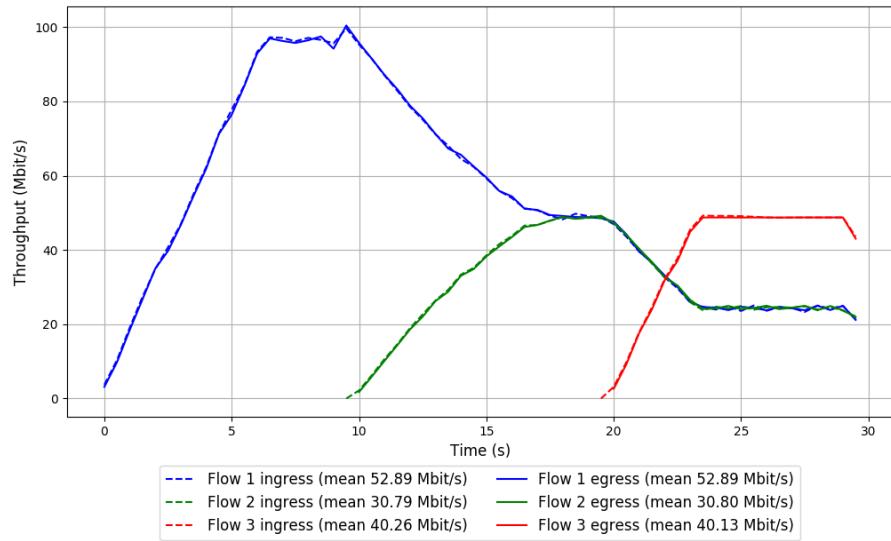


Run 5: Statistics of LEDBAT

```
Start at: 2017-11-16 09:03:07
End at: 2017-11-16 09:03:37
Local clock offset: 2.834 ms
Remote clock offset: -17.11 ms

# Below is generated by plot.py at 2017-11-16 14:38:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 77.139 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 76.567 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 77.596 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 57.552 ms
Loss rate: 0.74%
```

Run 5: Report of LEDBAT — Data Link

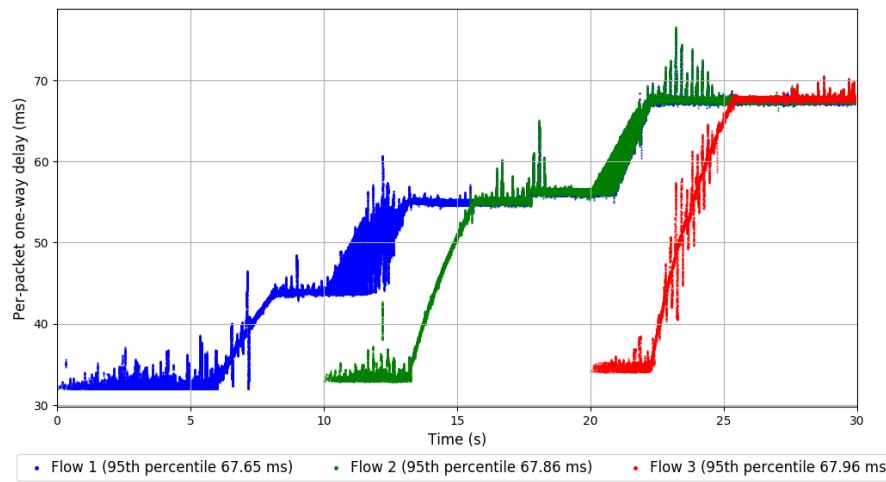
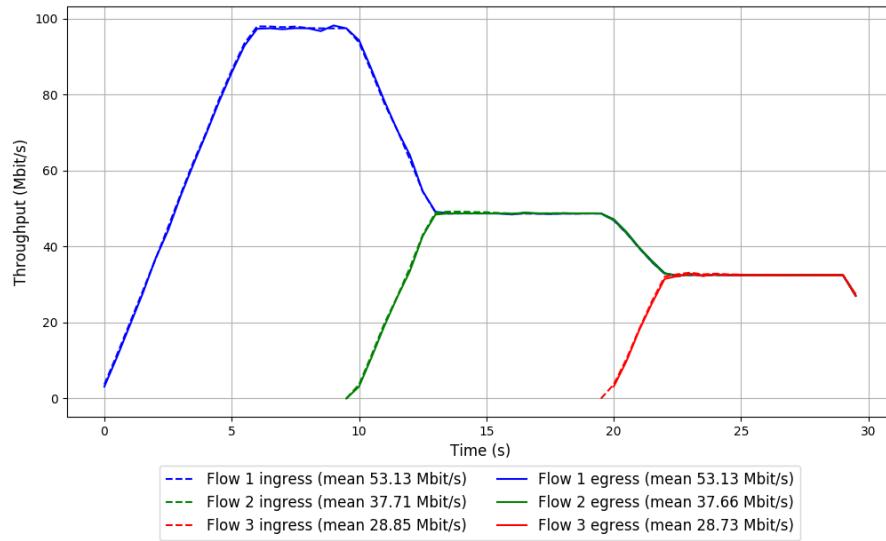


Run 6: Statistics of LEDBAT

```
Start at: 2017-11-16 09:30:12
End at: 2017-11-16 09:30:42
Local clock offset: 3.999 ms
Remote clock offset: -16.666 ms

# Below is generated by plot.py at 2017-11-16 14:38:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 67.826 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 67.653 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 67.864 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 67.958 ms
Loss rate: 0.83%
```

Run 6: Report of LEDBAT — Data Link

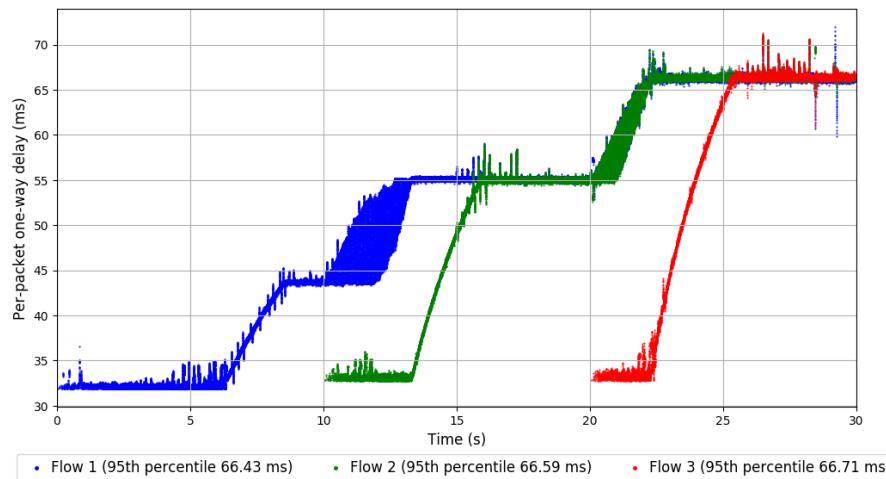
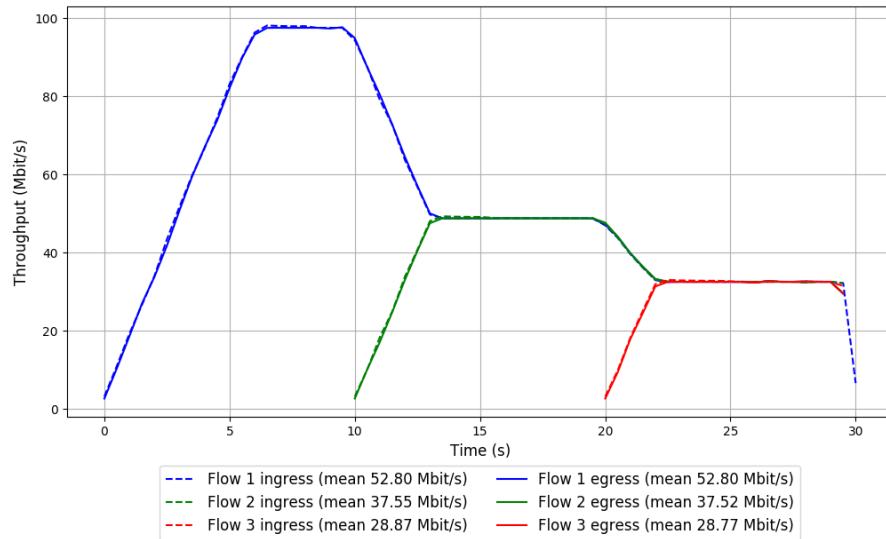


Run 7: Statistics of LEDBAT

```
Start at: 2017-11-16 09:49:42
End at: 2017-11-16 09:50:12
Local clock offset: 2.228 ms
Remote clock offset: -16.415 ms

# Below is generated by plot.py at 2017-11-16 14:38:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 66.563 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 66.428 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 66.590 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 66.714 ms
Loss rate: 1.08%
```

Run 7: Report of LEDBAT — Data Link

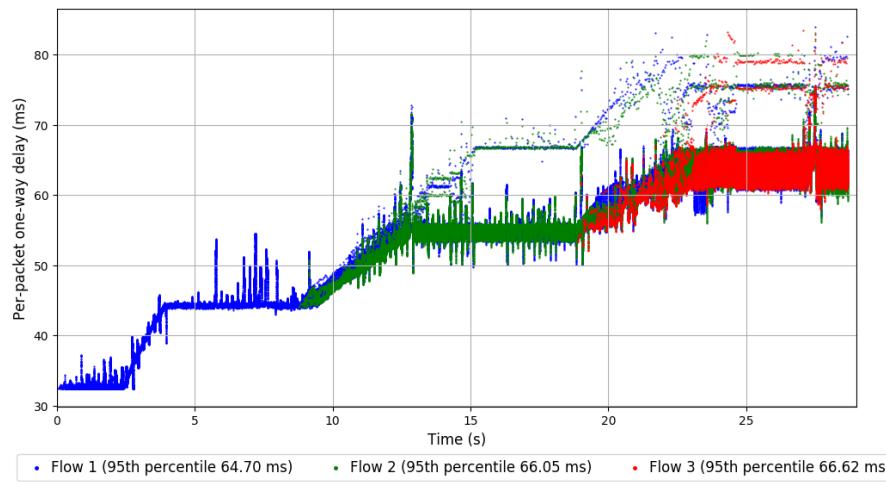
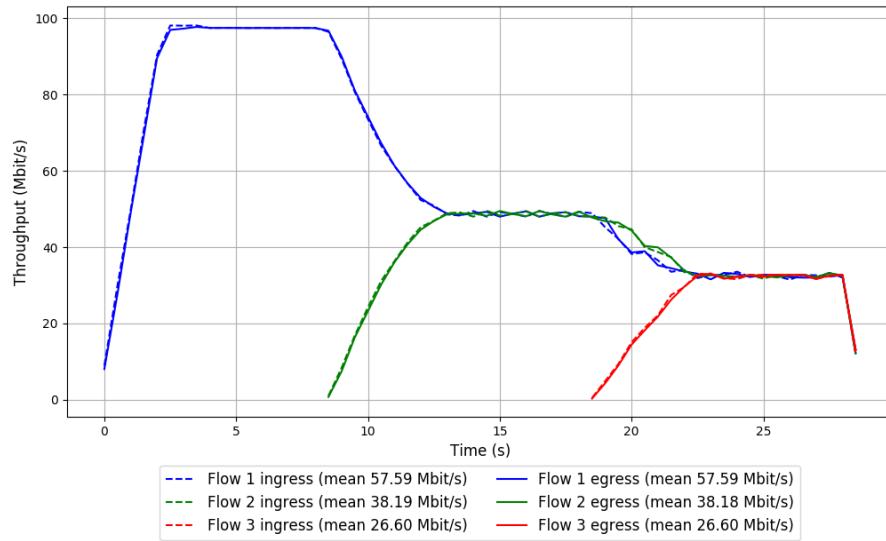


Run 8: Statistics of LEDBAT

```
Start at: 2017-11-16 10:11:43
End at: 2017-11-16 10:12:13
Local clock offset: 4.065 ms
Remote clock offset: -18.838 ms

# Below is generated by plot.py at 2017-11-16 14:38:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 65.645 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 64.701 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 66.616 ms
Loss rate: 0.61%
```

Run 8: Report of LEDBAT — Data Link

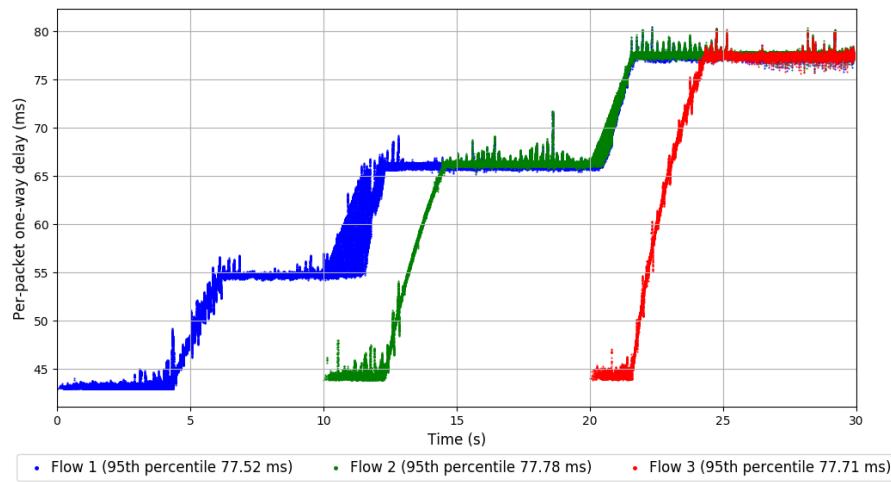
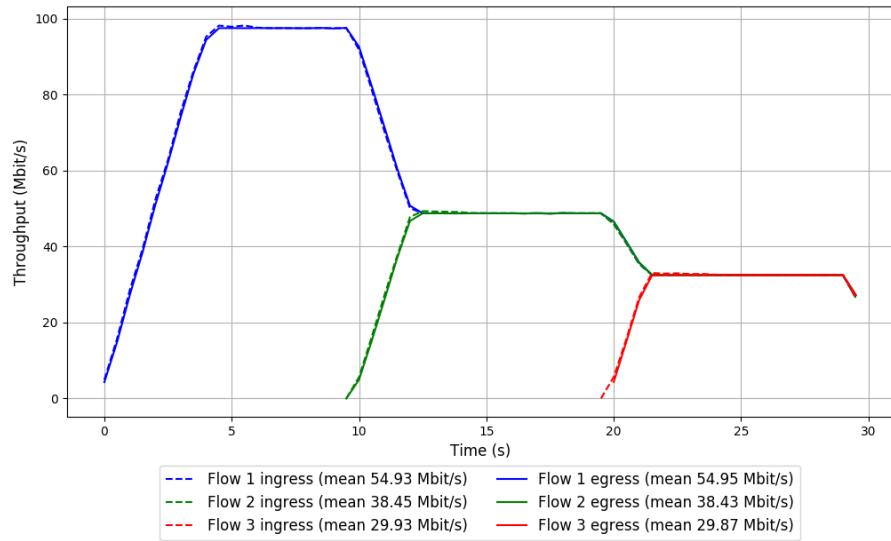


Run 9: Statistics of LEDBAT

```
Start at: 2017-11-16 10:31:50
End at: 2017-11-16 10:32:20
Local clock offset: 4.086 ms
Remote clock offset: -19.543 ms

# Below is generated by plot.py at 2017-11-16 14:38:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 77.701 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 77.523 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 77.779 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 77.707 ms
Loss rate: 0.72%
```

Run 9: Report of LEDBAT — Data Link

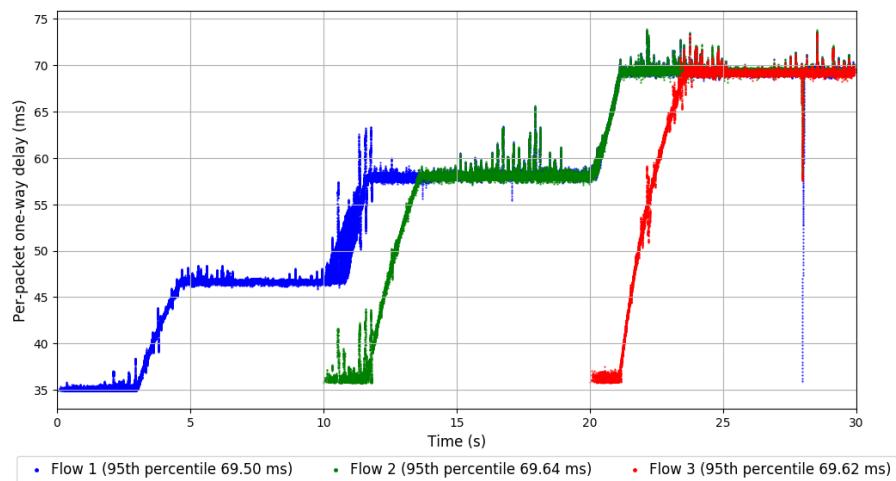
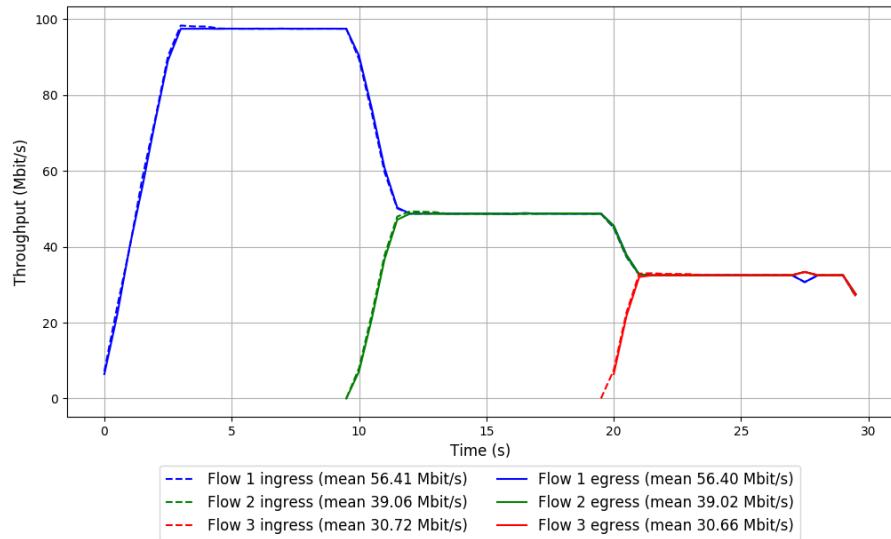


```
Run 10: Statistics of LEDBAT
```

```
Start at: 2017-11-16 10:51:02
End at: 2017-11-16 10:51:32
Local clock offset: 3.296 ms
Remote clock offset: -17.582 ms

# Below is generated by plot.py at 2017-11-16 14:38:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 69.569 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 69.499 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 69.640 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 69.619 ms
Loss rate: 0.65%
```

Run 10: Report of LEDBAT — Data Link

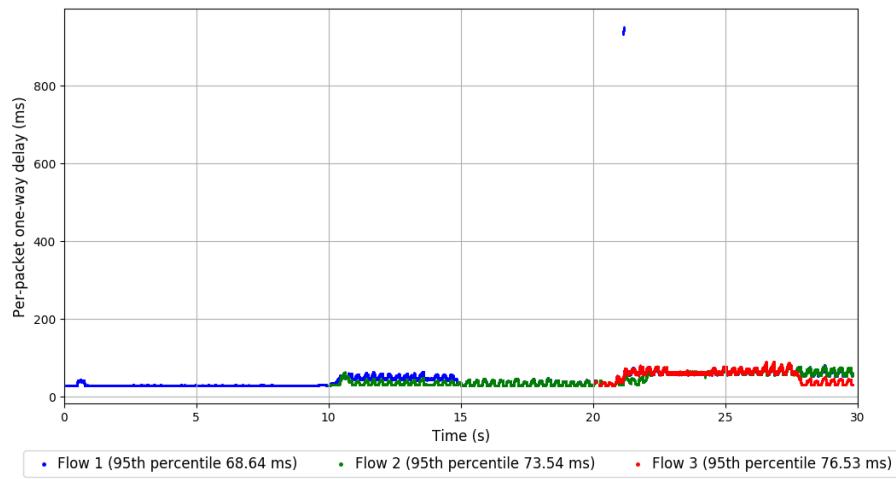
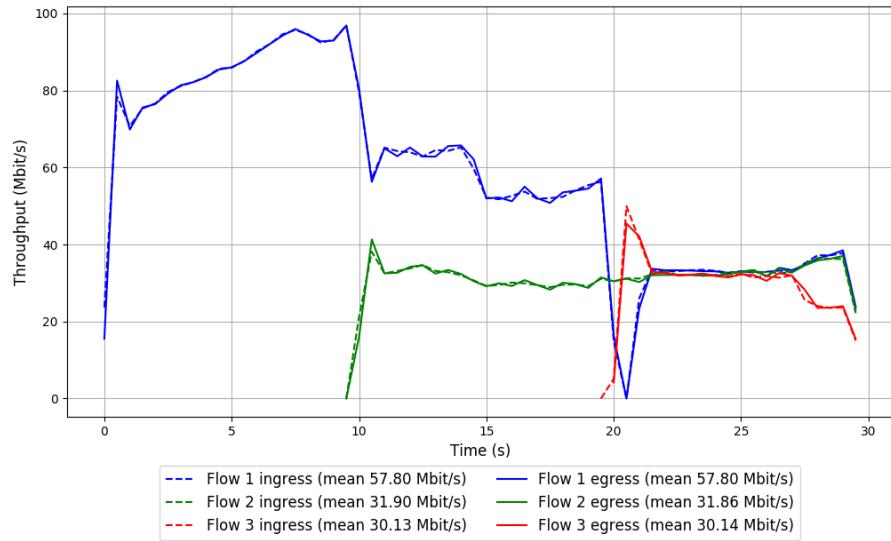


Run 1: Statistics of PCC

```
Start at: 2017-11-16 07:24:32
End at: 2017-11-16 07:25:02
Local clock offset: 1.501 ms
Remote clock offset: -17.49 ms

# Below is generated by plot.py at 2017-11-16 14:38:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 72.070 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.80 Mbit/s
95th percentile per-packet one-way delay: 68.644 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 73.541 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 76.531 ms
Loss rate: 0.19%
```

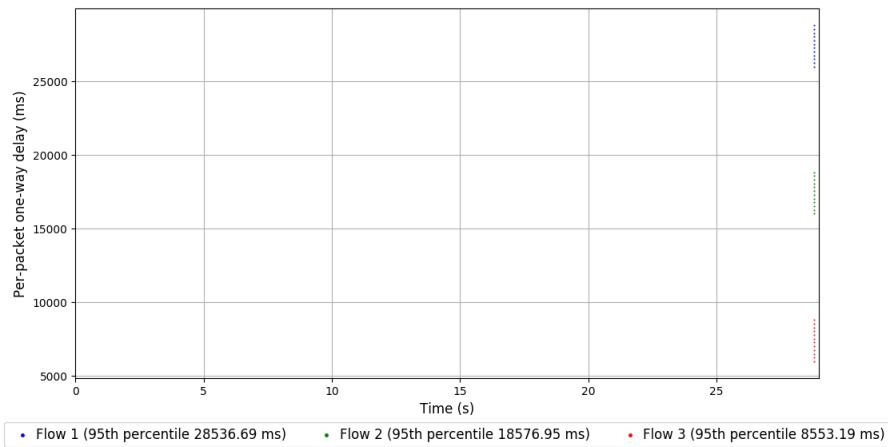
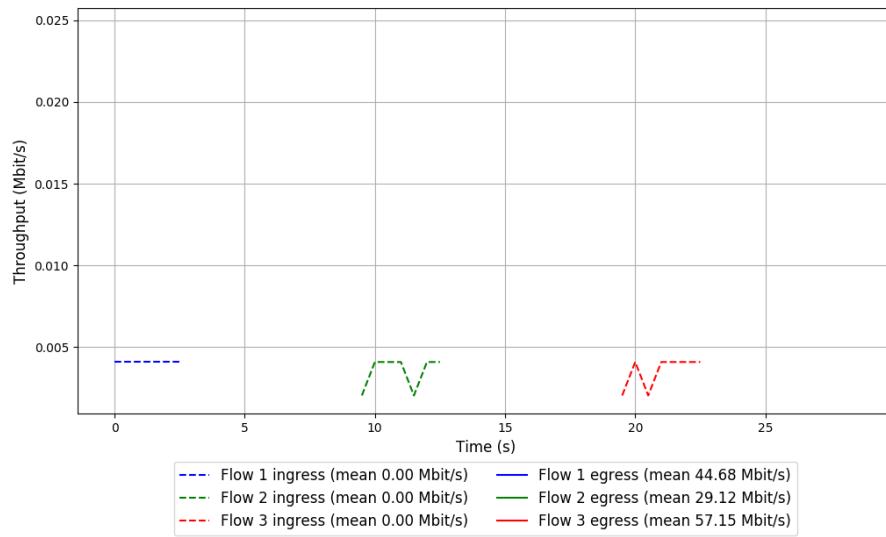
Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-11-16 07:44:49
End at: 2017-11-16 07:45:19
Local clock offset: -0.29 ms
Remote clock offset: -17.795 ms

Run 2: Report of PCC — Data Link

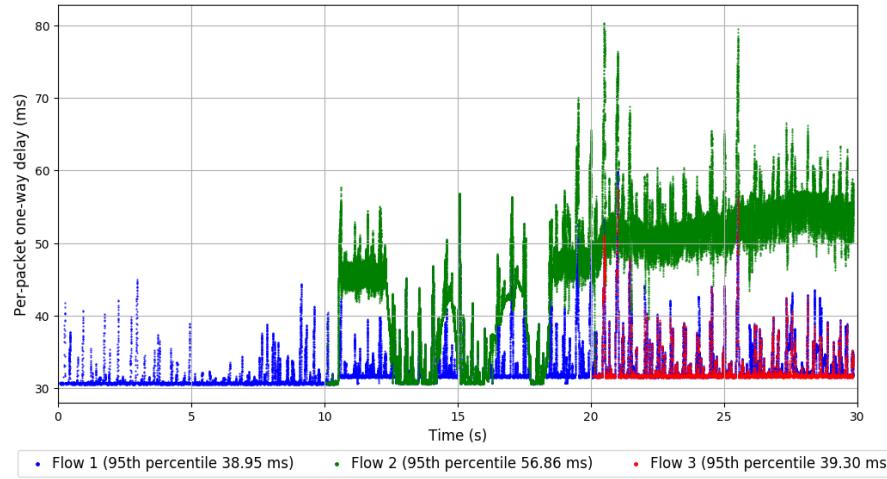
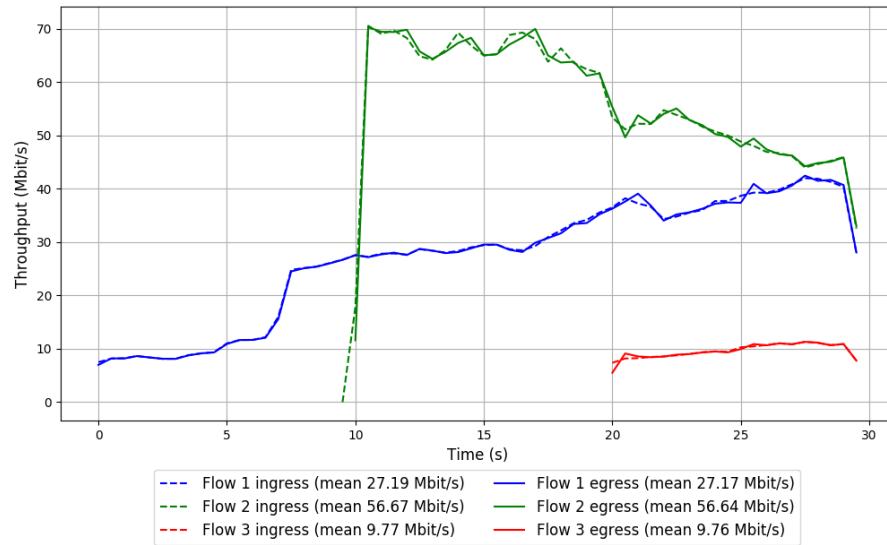


Run 3: Statistics of PCC

```
Start at: 2017-11-16 08:08:26
End at: 2017-11-16 08:08:56
Local clock offset: -1.373 ms
Remote clock offset: -19.516 ms

# Below is generated by plot.py at 2017-11-16 14:38:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 55.486 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 38.947 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 56.863 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 39.295 ms
Loss rate: 0.35%
```

Run 3: Report of PCC — Data Link

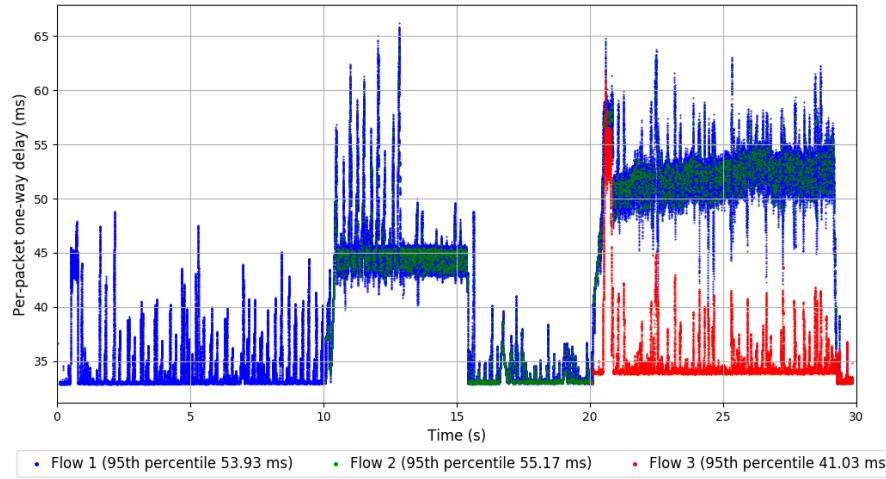
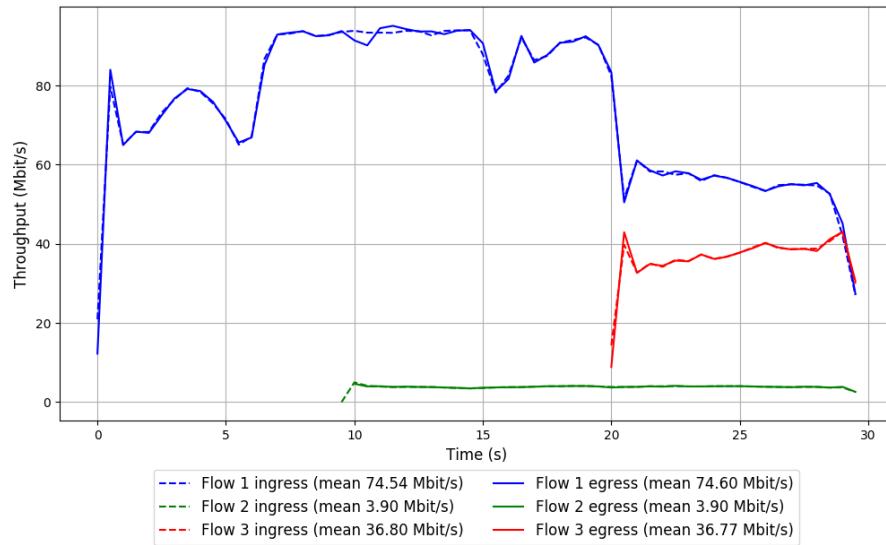


Run 4: Statistics of PCC

```
Start at: 2017-11-16 08:36:31
End at: 2017-11-16 08:37:01
Local clock offset: 1.467 ms
Remote clock offset: -19.32 ms

# Below is generated by plot.py at 2017-11-16 14:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 53.825 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 53.927 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 55.167 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 41.033 ms
Loss rate: 0.30%
```

Run 4: Report of PCC — Data Link

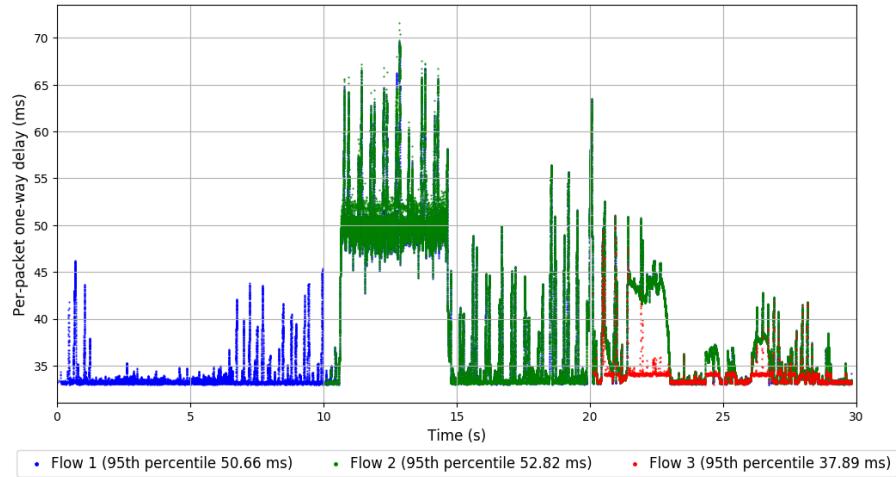
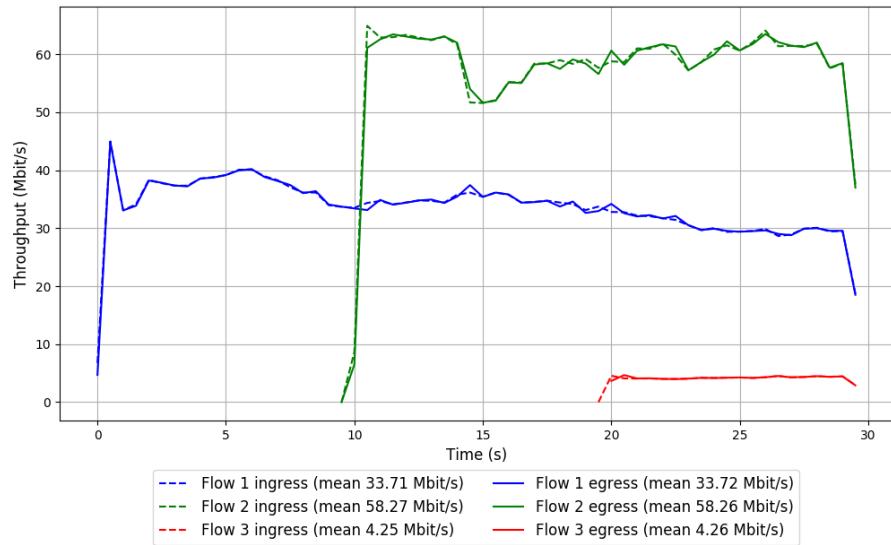


Run 5: Statistics of PCC

```
Start at: 2017-11-16 09:05:09
End at: 2017-11-16 09:05:39
Local clock offset: 2.504 ms
Remote clock offset: -18.772 ms

# Below is generated by plot.py at 2017-11-16 14:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.91 Mbit/s
95th percentile per-packet one-way delay: 51.553 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 50.655 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 52.821 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 37.891 ms
Loss rate: 0.41%
```

Run 5: Report of PCC — Data Link

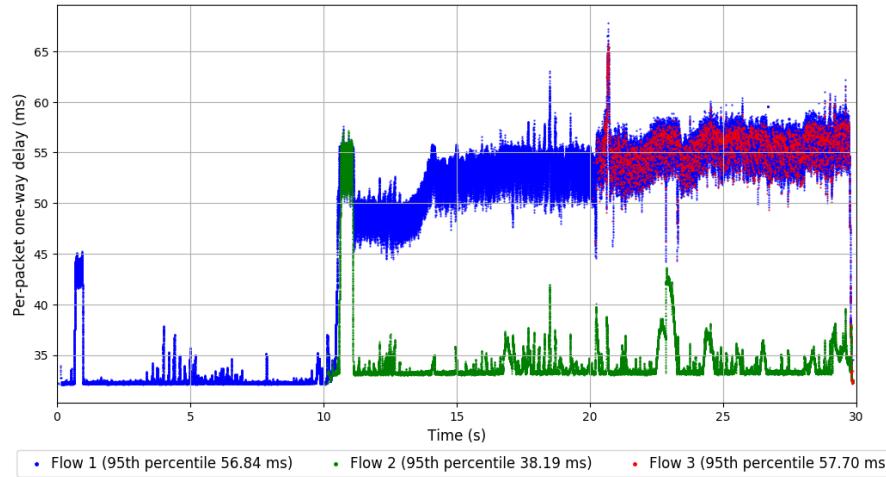
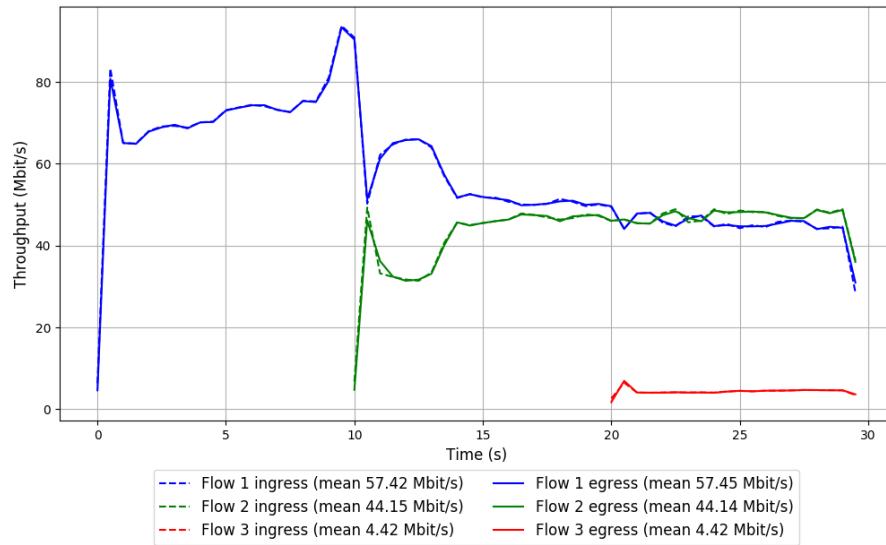


Run 6: Statistics of PCC

```
Start at: 2017-11-16 09:31:44
End at: 2017-11-16 09:32:14
Local clock offset: 1.236 ms
Remote clock offset: -18.438 ms

# Below is generated by plot.py at 2017-11-16 14:39:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 56.477 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 56.843 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 38.189 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 57.697 ms
Loss rate: 0.45%
```

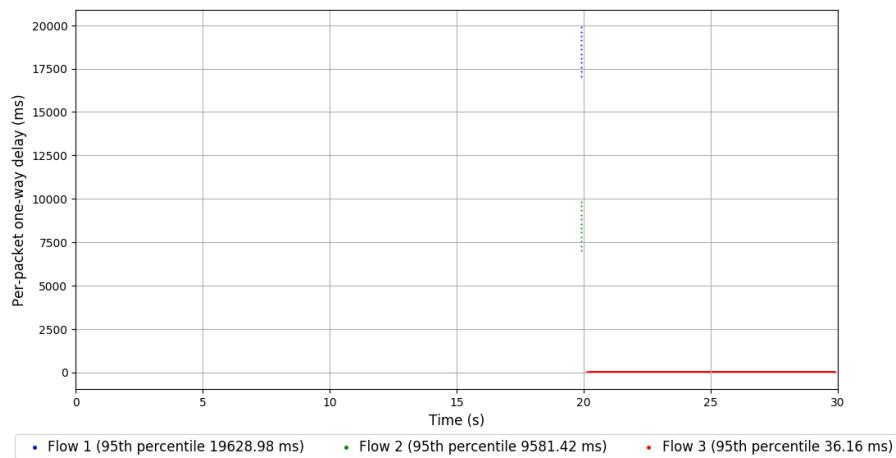
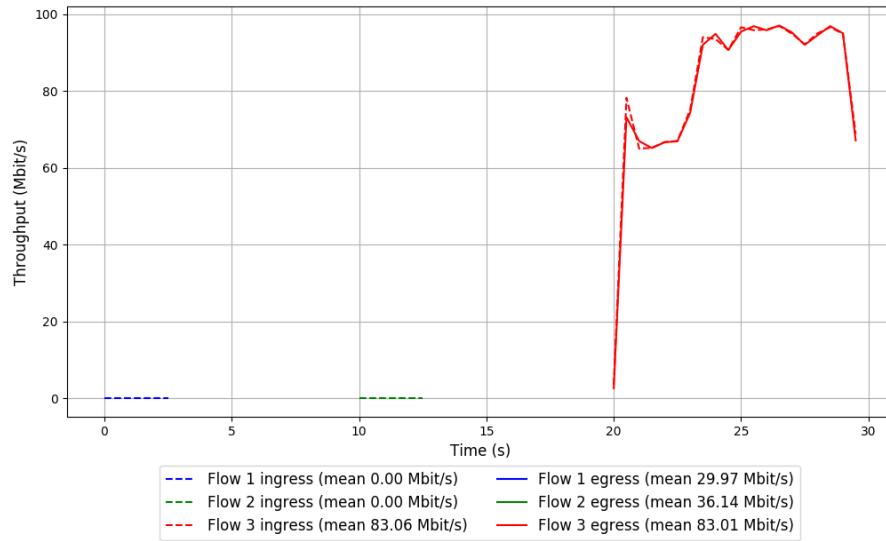
Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-11-16 09:51:07
End at: 2017-11-16 09:51:37
Local clock offset: 0.859 ms
Remote clock offset: -16.859 ms

Run 7: Report of PCC — Data Link

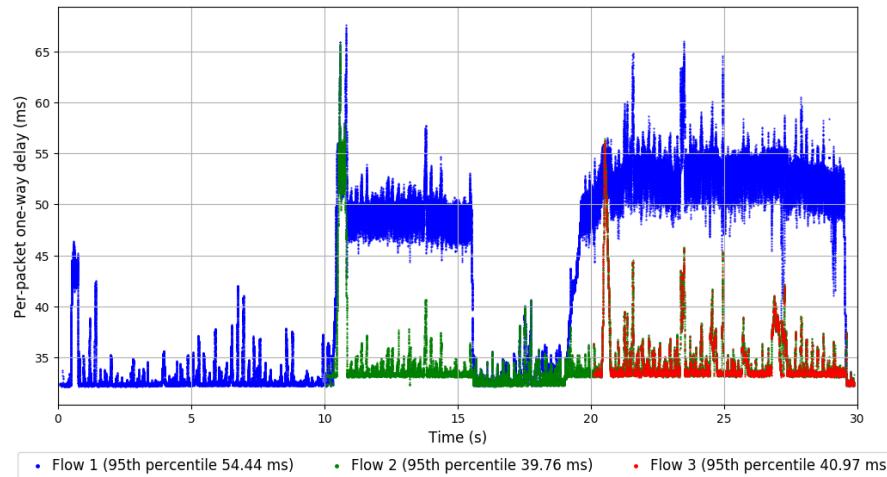
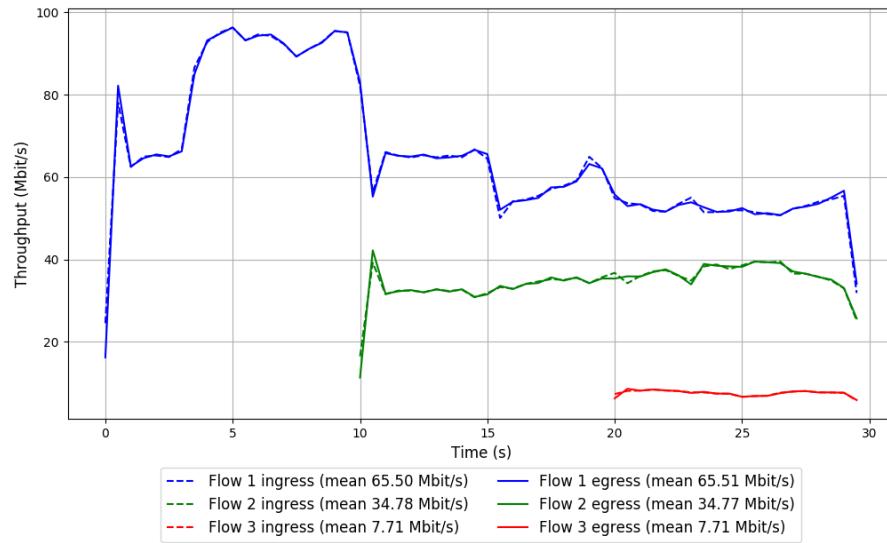


Run 8: Statistics of PCC

```
Start at: 2017-11-16 10:13:06
End at: 2017-11-16 10:13:36
Local clock offset: 4.08 ms
Remote clock offset: -18.64 ms

# Below is generated by plot.py at 2017-11-16 14:40:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 54.105 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 54.444 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 39.764 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 40.970 ms
Loss rate: 0.25%
```

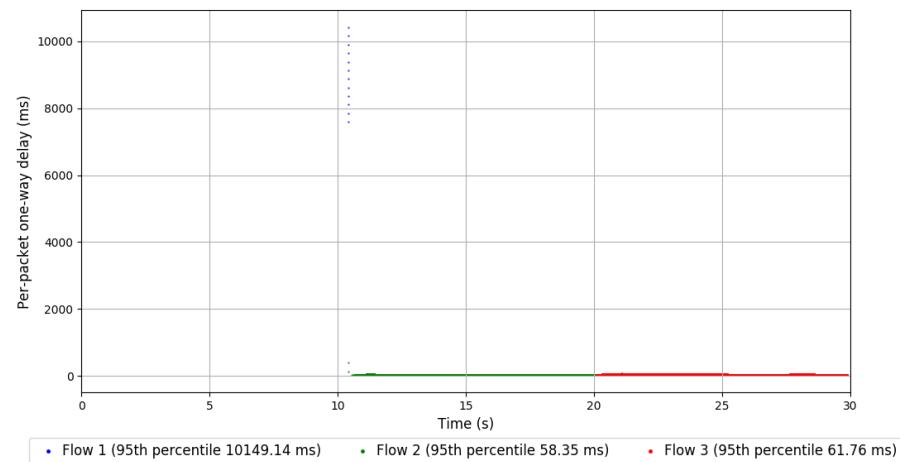
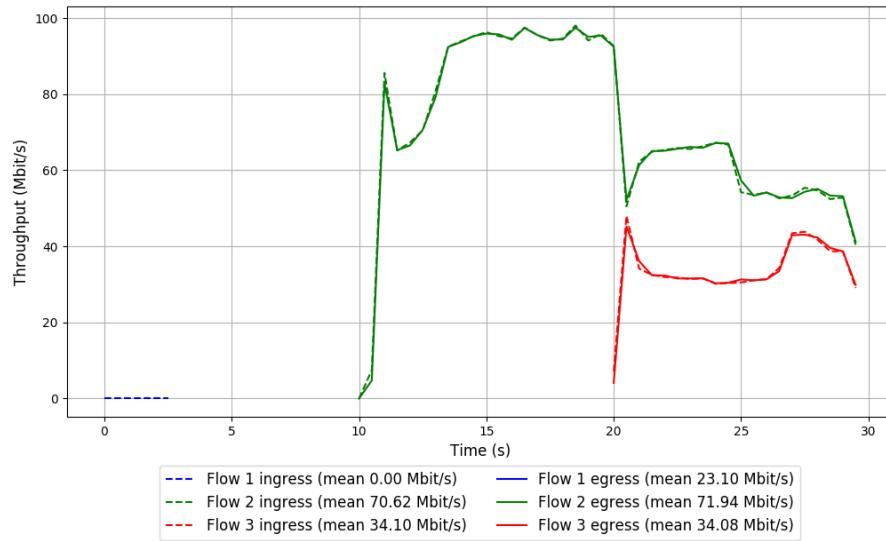
Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-11-16 10:33:22
End at: 2017-11-16 10:33:52
Local clock offset: 3.962 ms
Remote clock offset: -17.866 ms

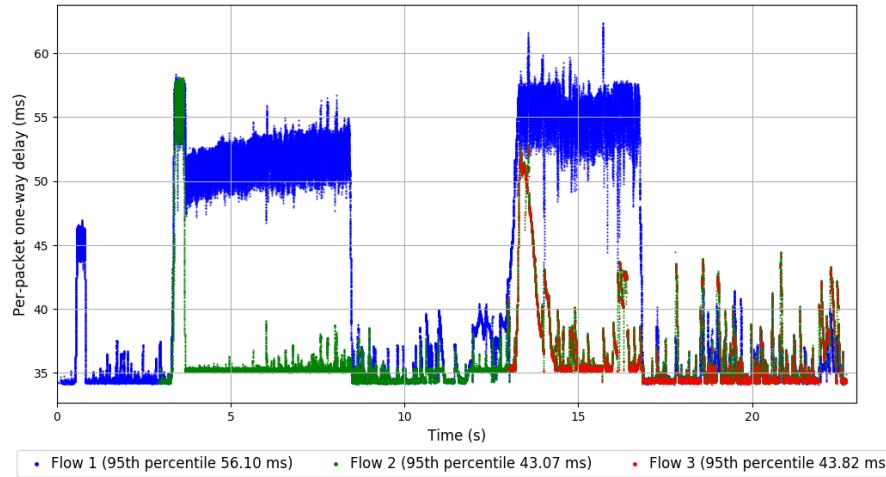
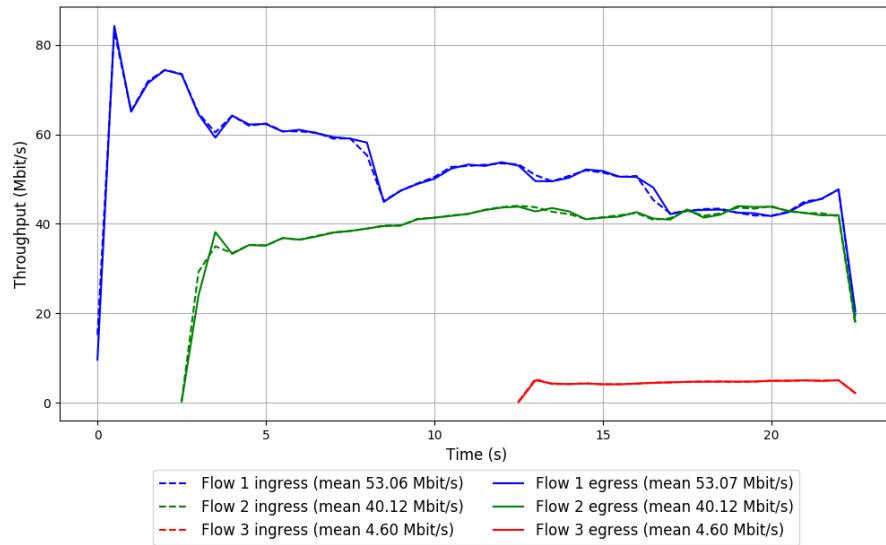
Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-11-16 10:52:25
End at: 2017-11-16 10:52:55
Local clock offset: 3.212 ms
Remote clock offset: -17.179 ms

Run 10: Report of PCC — Data Link

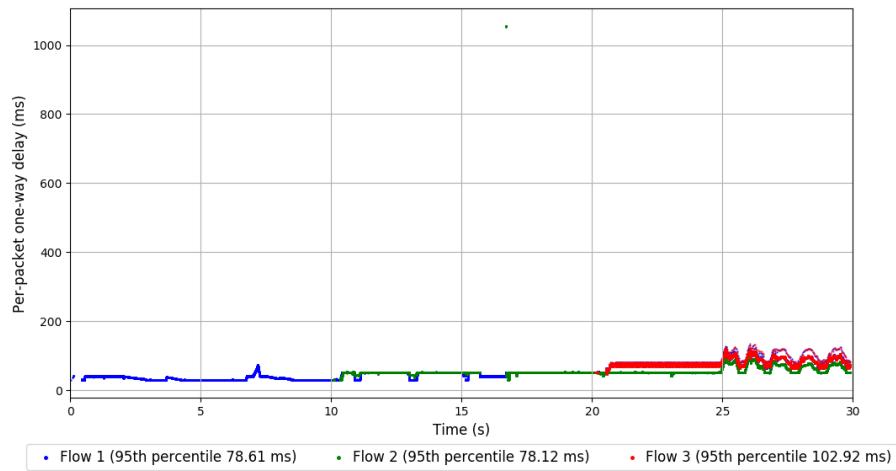
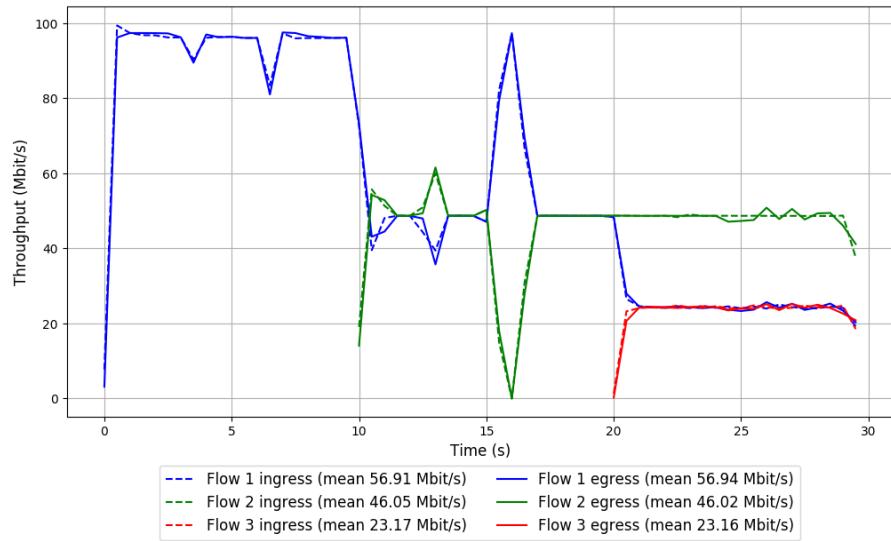


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-11-16 07:29:21
End at: 2017-11-16 07:29:51
Local clock offset: 1.69 ms
Remote clock offset: -15.421 ms

# Below is generated by plot.py at 2017-11-16 14:40:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 88.077 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 78.612 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 78.121 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 102.922 ms
Loss rate: 0.75%
```

Run 1: Report of QUIC Cubic — Data Link

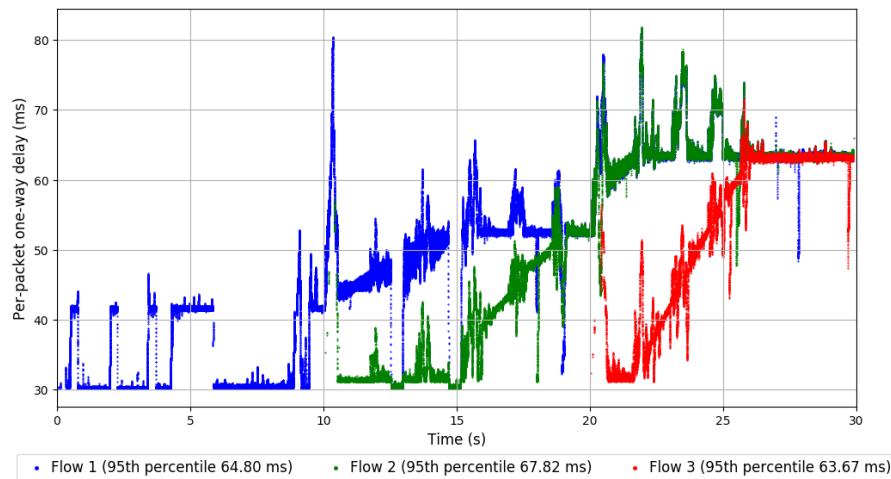
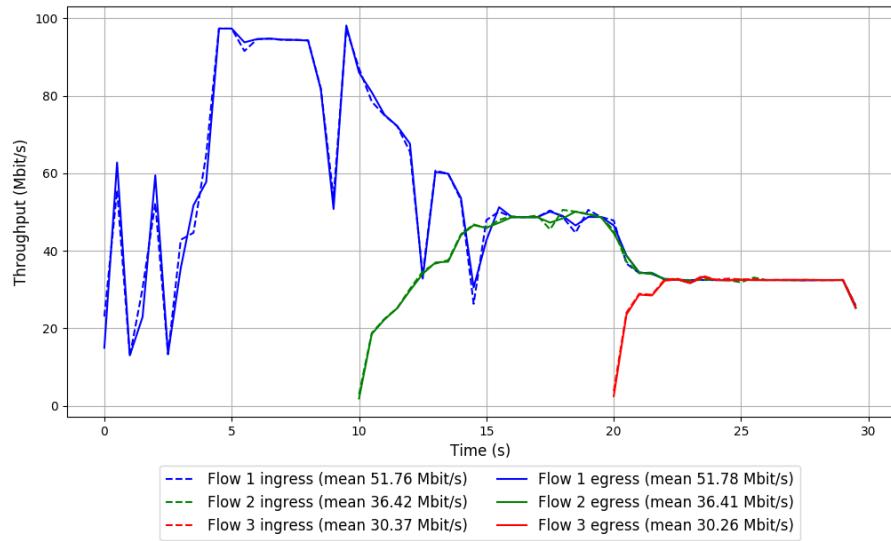


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-11-16 07:49:38
End at: 2017-11-16 07:50:08
Local clock offset: -0.441 ms
Remote clock offset: -17.672 ms

# Below is generated by plot.py at 2017-11-16 14:40:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 65.277 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 51.78 Mbit/s
95th percentile per-packet one-way delay: 64.795 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 67.816 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 63.675 ms
Loss rate: 0.77%
```

Run 2: Report of QUIC Cubic — Data Link

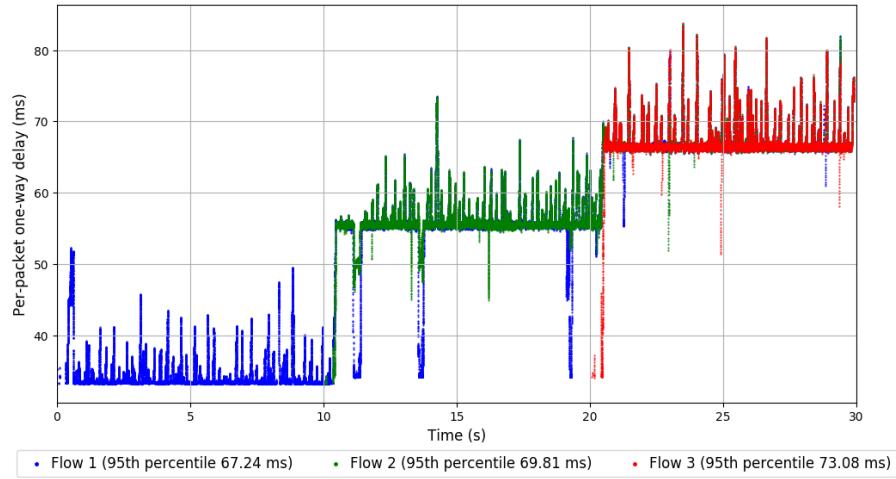
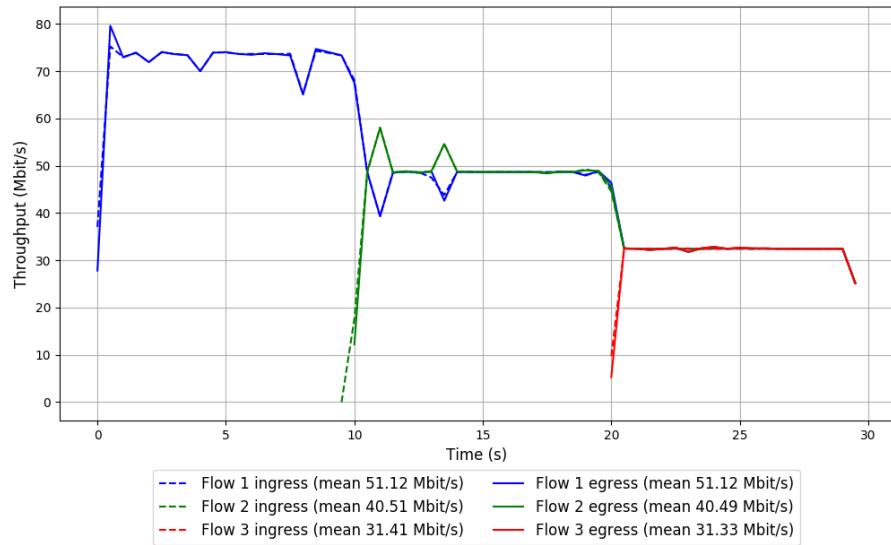


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-11-16 08:14:16
End at: 2017-11-16 08:14:46
Local clock offset: 0.637 ms
Remote clock offset: -20.153 ms

# Below is generated by plot.py at 2017-11-16 14:41:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 69.447 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 67.239 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 69.813 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 73.077 ms
Loss rate: 0.68%
```

Run 3: Report of QUIC Cubic — Data Link

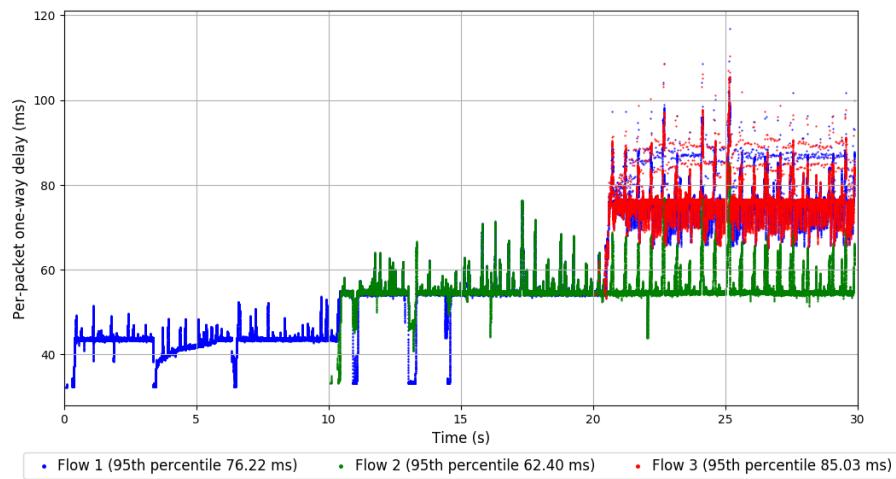
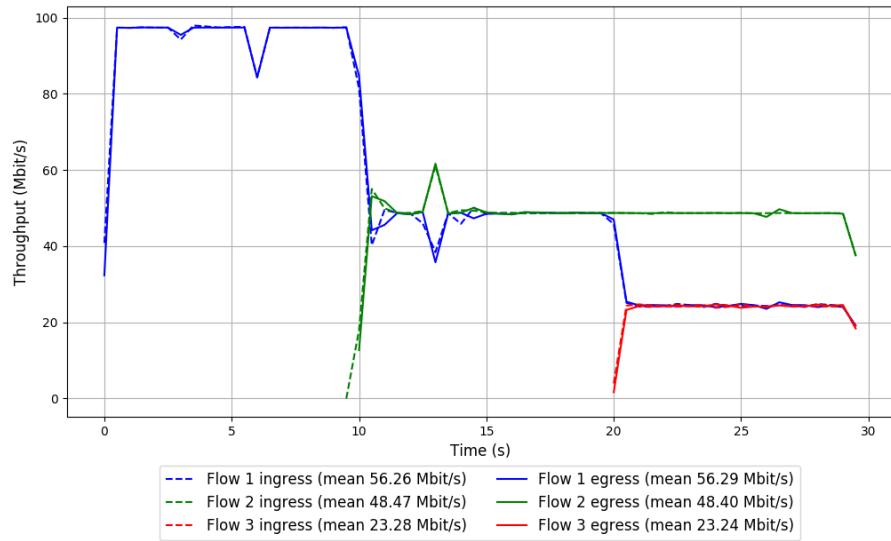


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-11-16 08:42:04
End at: 2017-11-16 08:42:35
Local clock offset: -0.536 ms
Remote clock offset: -20.155 ms

# Below is generated by plot.py at 2017-11-16 14:41:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 76.324 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 76.222 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 62.403 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 85.030 ms
Loss rate: 0.82%
```

Run 4: Report of QUIC Cubic — Data Link

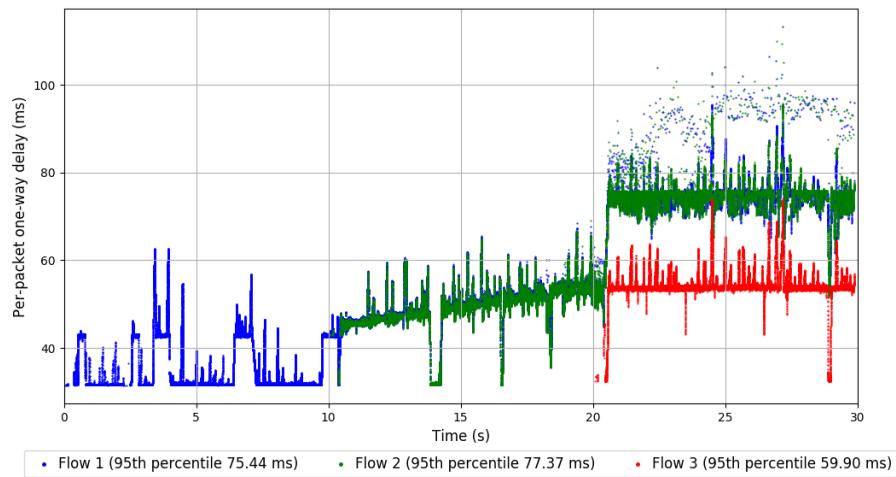
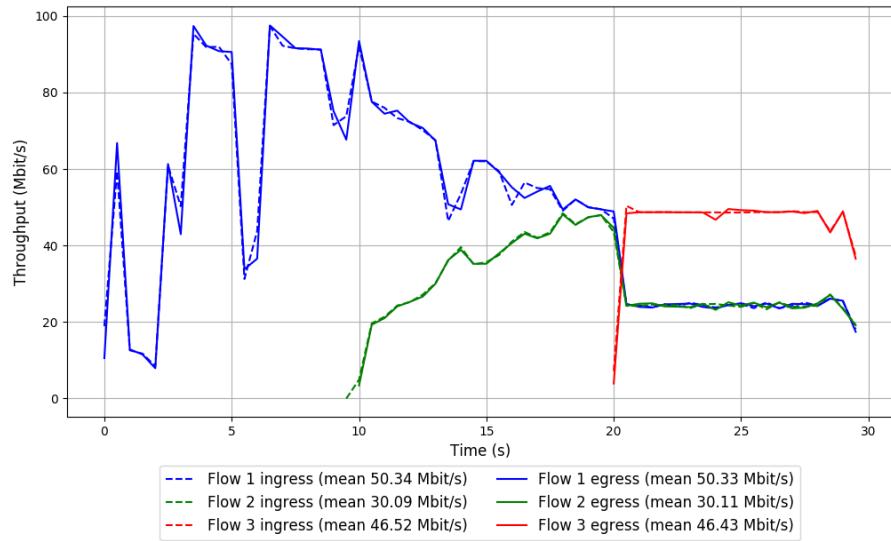


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-11-16 09:12:47
End at: 2017-11-16 09:13:17
Local clock offset: 2.357 ms
Remote clock offset: -17.607 ms

# Below is generated by plot.py at 2017-11-16 14:41:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 75.550 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 75.445 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 77.367 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 59.902 ms
Loss rate: 0.67%
```

Run 5: Report of QUIC Cubic — Data Link

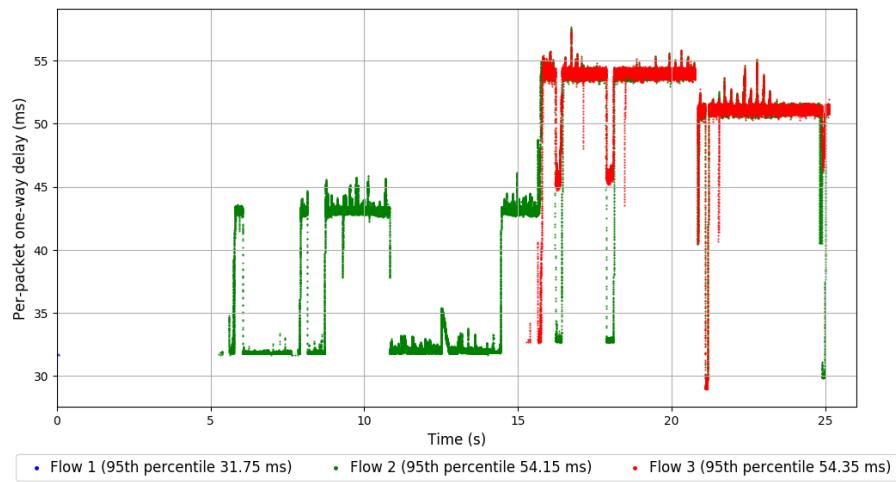
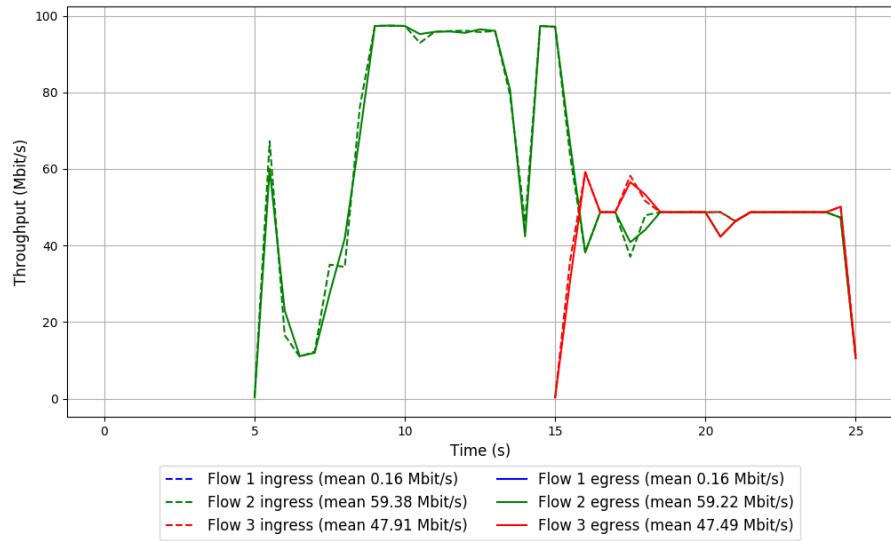


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-11-16 09:36:07
End at: 2017-11-16 09:36:37
Local clock offset: 1.44 ms
Remote clock offset: -17.343 ms

# Below is generated by plot.py at 2017-11-16 14:41:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.46 Mbit/s
95th percentile per-packet one-way delay: 54.251 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 31.752 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 54.149 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 54.349 ms
Loss rate: 1.29%
```

Run 6: Report of QUIC Cubic — Data Link

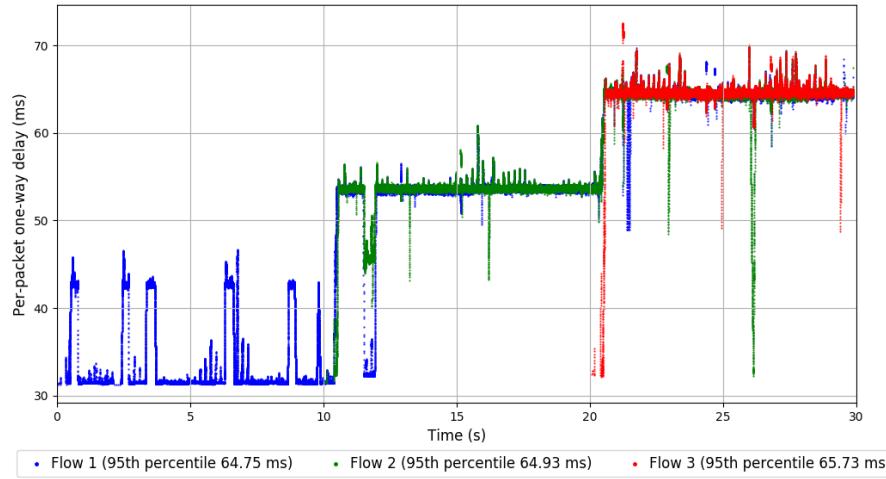
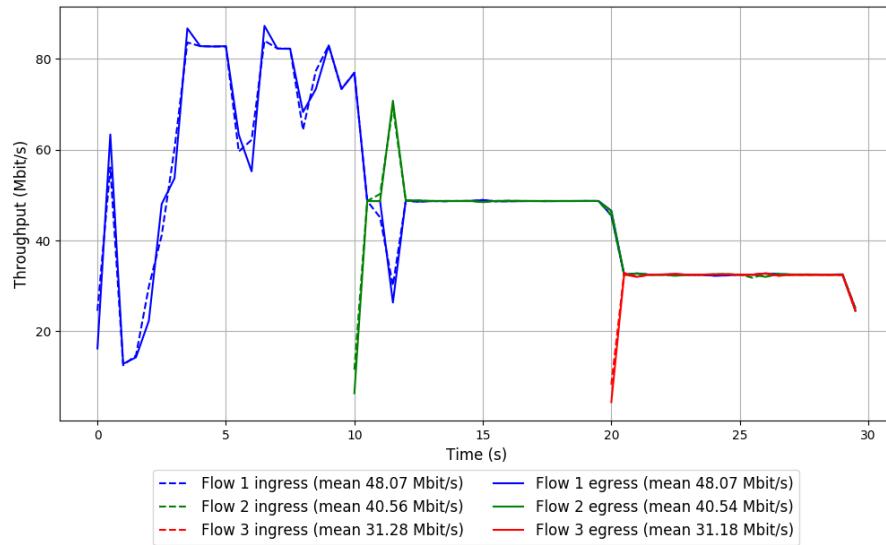


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-11-16 09:55:25
End at: 2017-11-16 09:55:55
Local clock offset: 0.403 ms
Remote clock offset: -17.721 ms

# Below is generated by plot.py at 2017-11-16 14:41:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 64.935 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 64.754 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 64.933 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 65.733 ms
Loss rate: 0.75%
```

Run 7: Report of QUIC Cubic — Data Link

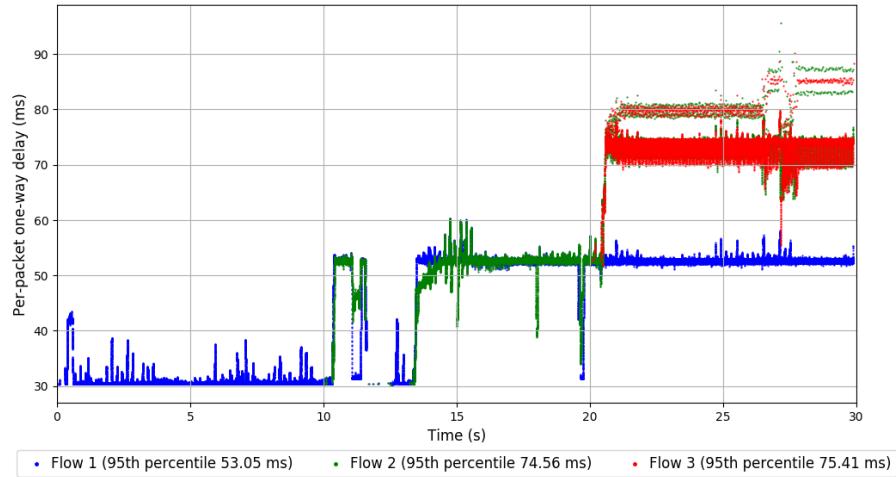
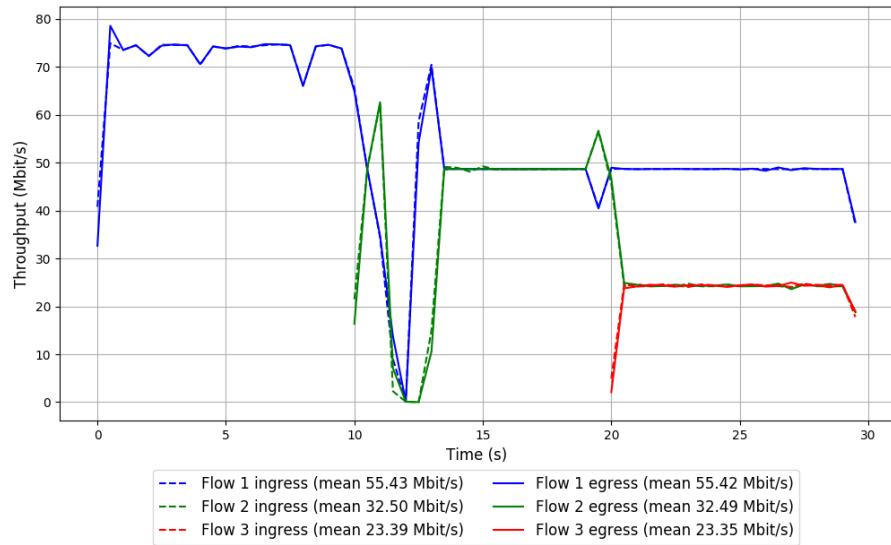


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-11-16 10:17:56
End at: 2017-11-16 10:18:26
Local clock offset: 1.378 ms
Remote clock offset: -19.037 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 74.401 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 53.052 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 74.565 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 75.411 ms
Loss rate: 0.65%
```

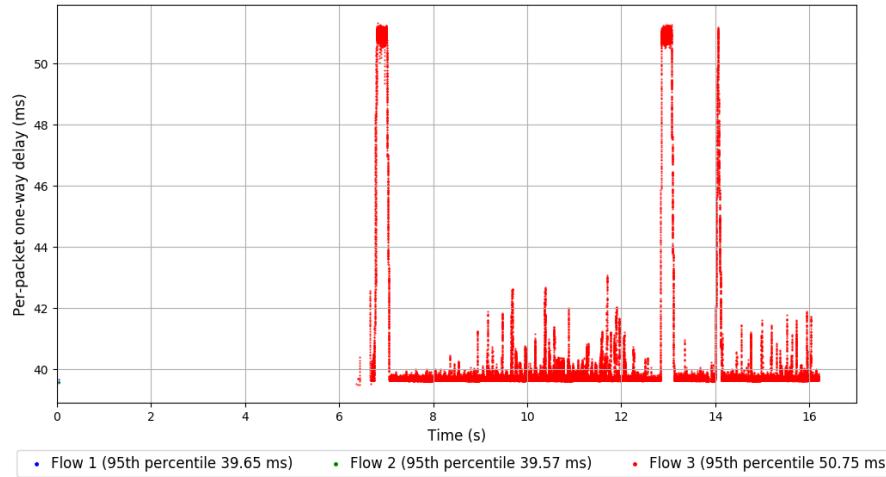
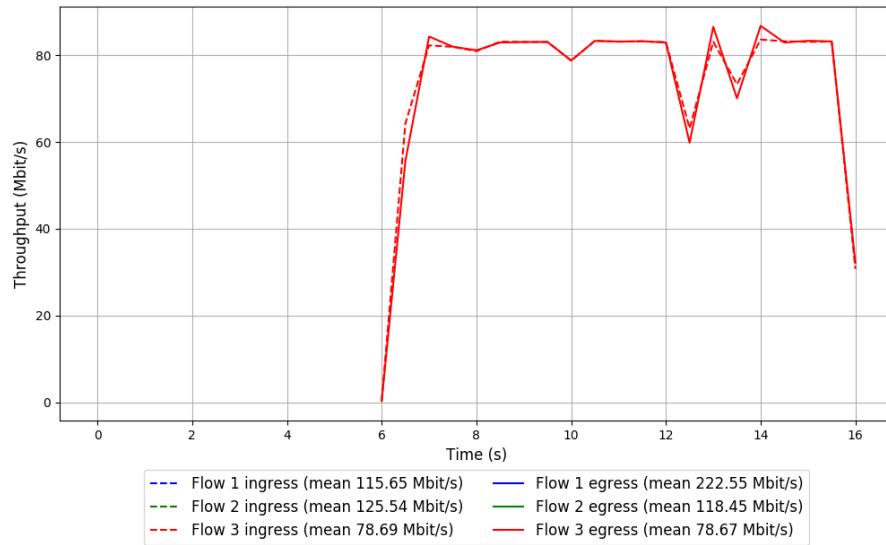
Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-11-16 10:37:29
End at: 2017-11-16 10:37:59
Local clock offset: 2.691 ms
Remote clock offset: -17.173 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

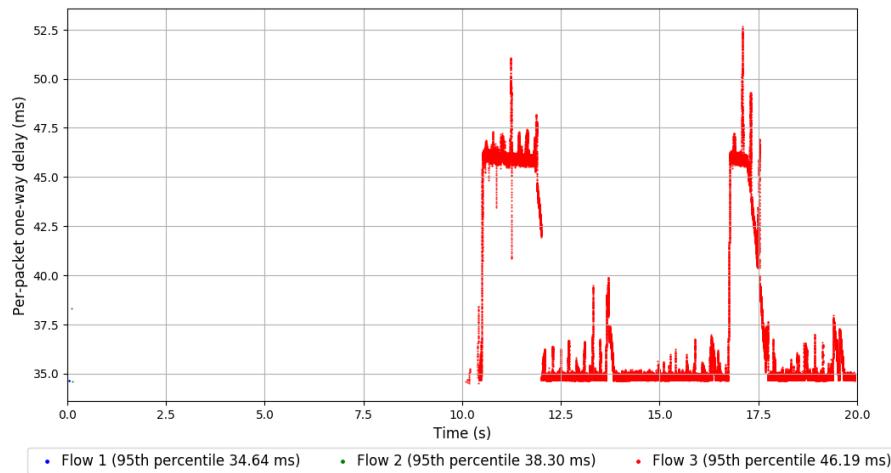
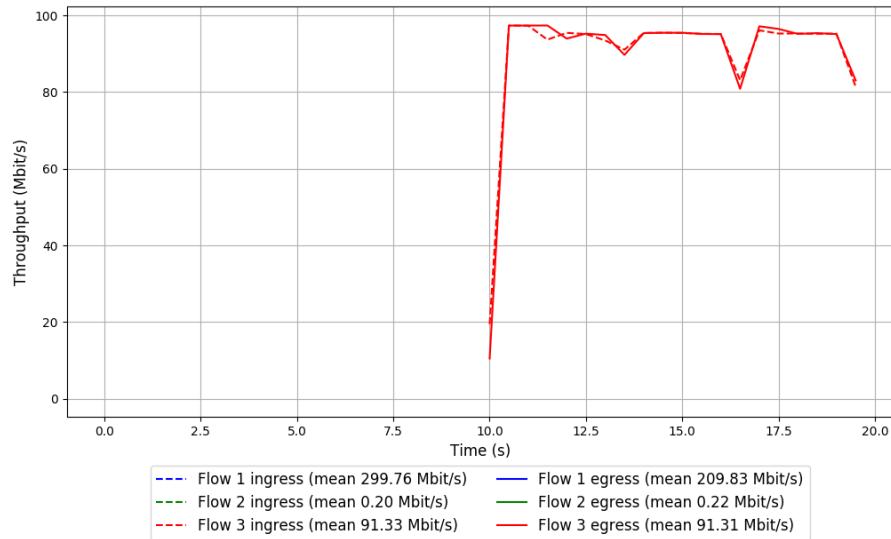
Start at: 2017-11-16 10:56:38

End at: 2017-11-16 10:57:08

Local clock offset: 3.663 ms

Remote clock offset: -17.296 ms

Run 10: Report of QUIC Cubic — Data Link

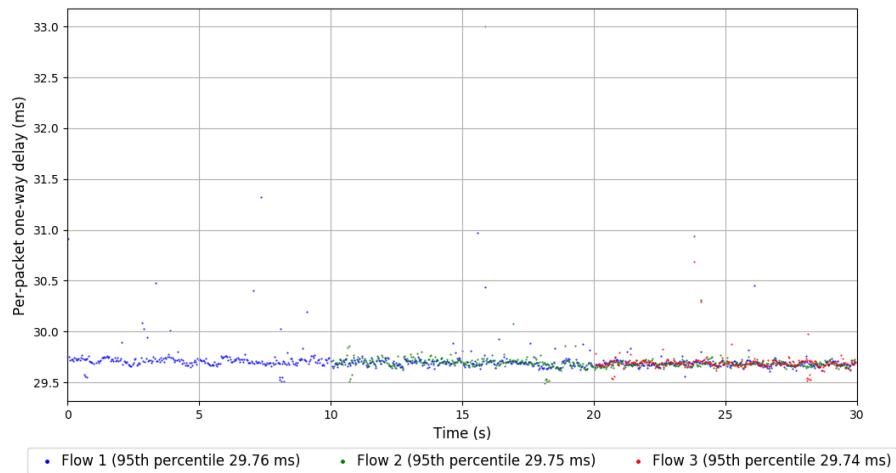
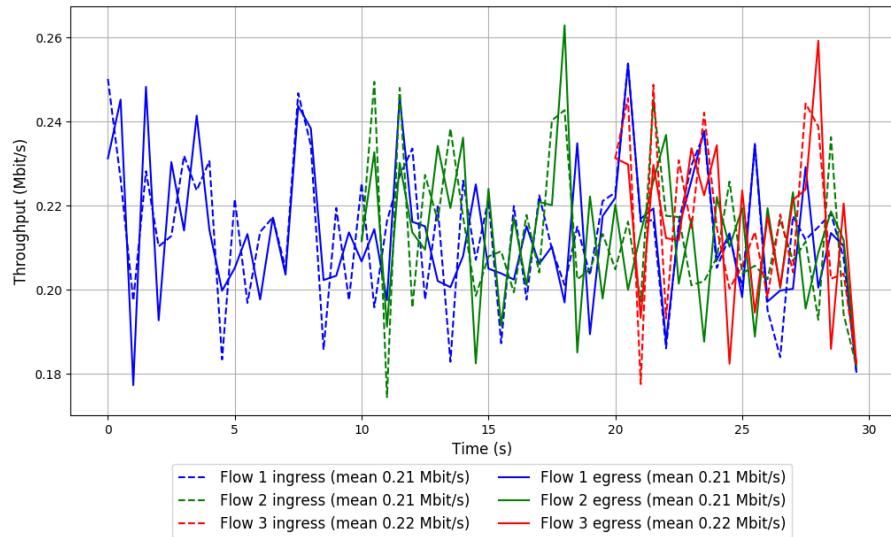


Run 1: Statistics of SCReAM

```
Start at: 2017-11-16 07:37:46
End at: 2017-11-16 07:38:16
Local clock offset: 0.094 ms
Remote clock offset: -17.925 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 29.758 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.763 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.755 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.741 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

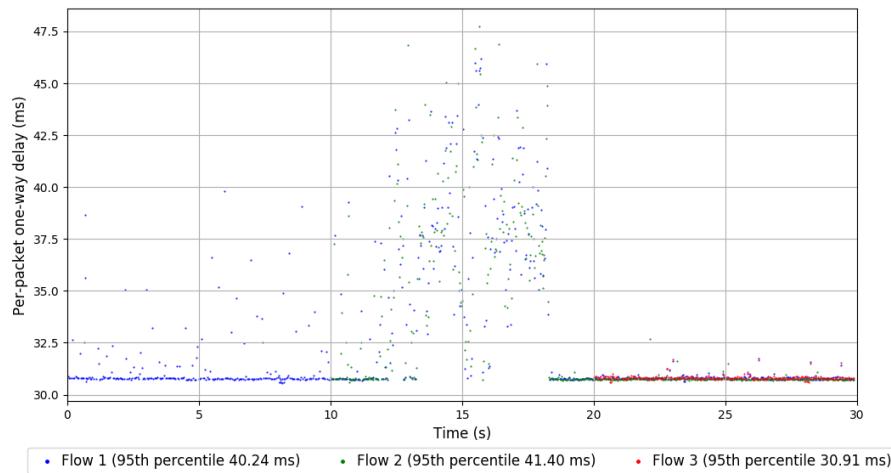
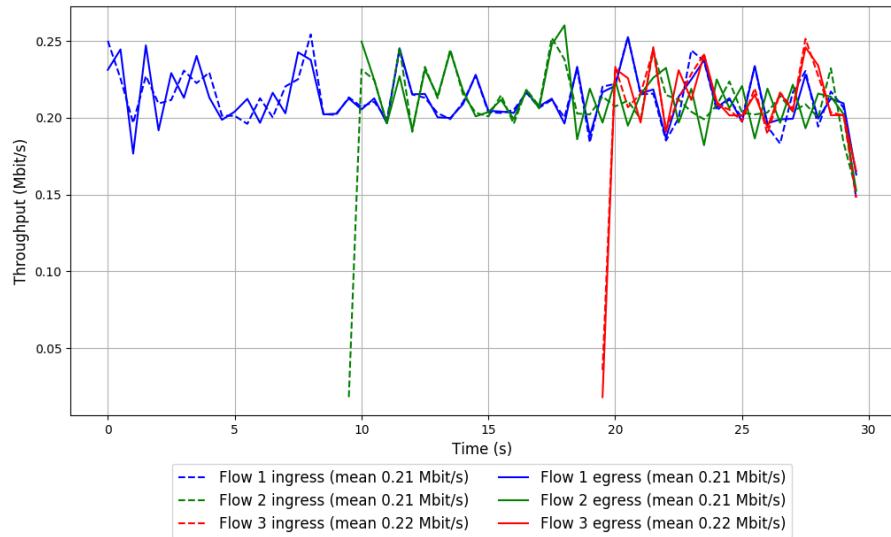


Run 2: Statistics of SCReAM

```
Start at: 2017-11-16 07:58:54
End at: 2017-11-16 07:59:24
Local clock offset: -0.246 ms
Remote clock offset: -18.052 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 40.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 41.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.907 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

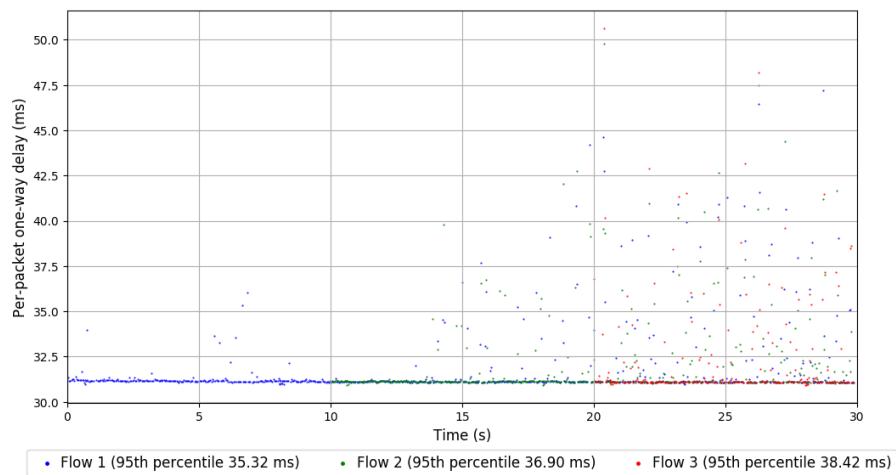
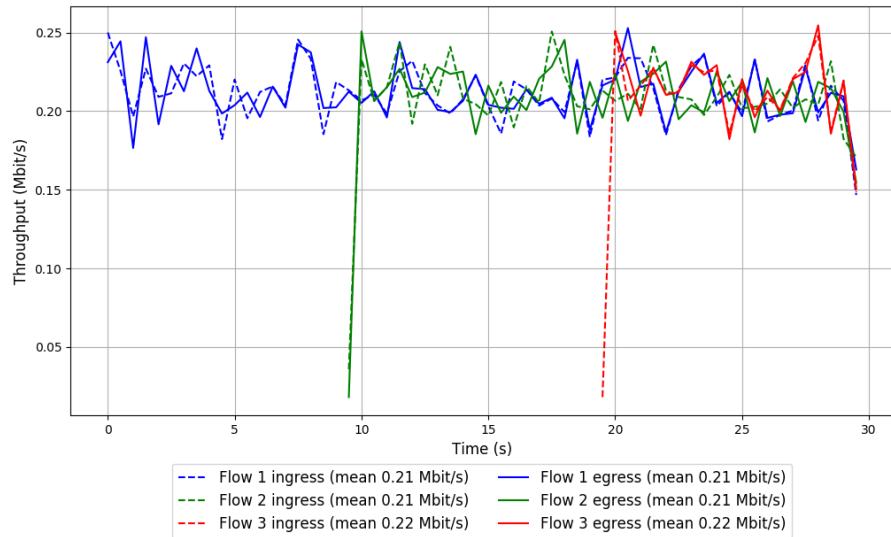


Run 3: Statistics of SCReAM

```
Start at: 2017-11-16 08:25:51
End at: 2017-11-16 08:26:21
Local clock offset: 0.105 ms
Remote clock offset: -19.035 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.562 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.903 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.420 ms
Loss rate: 0.36%
```

Run 3: Report of SCReAM — Data Link

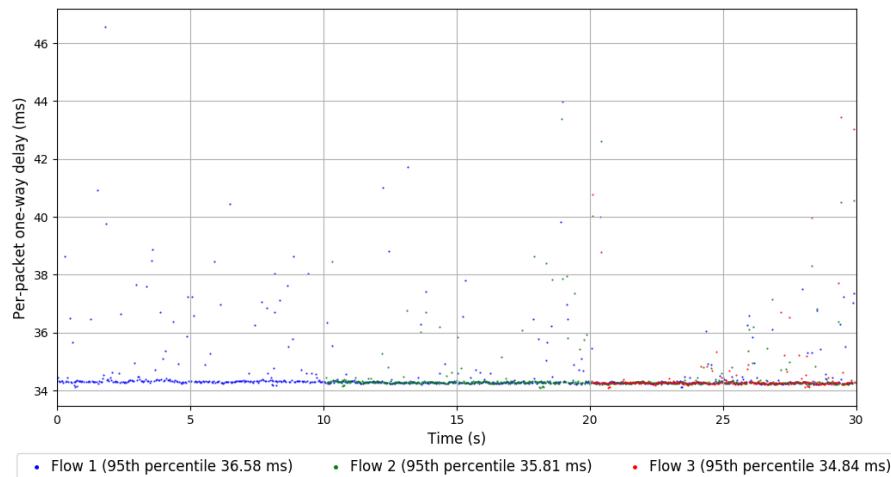
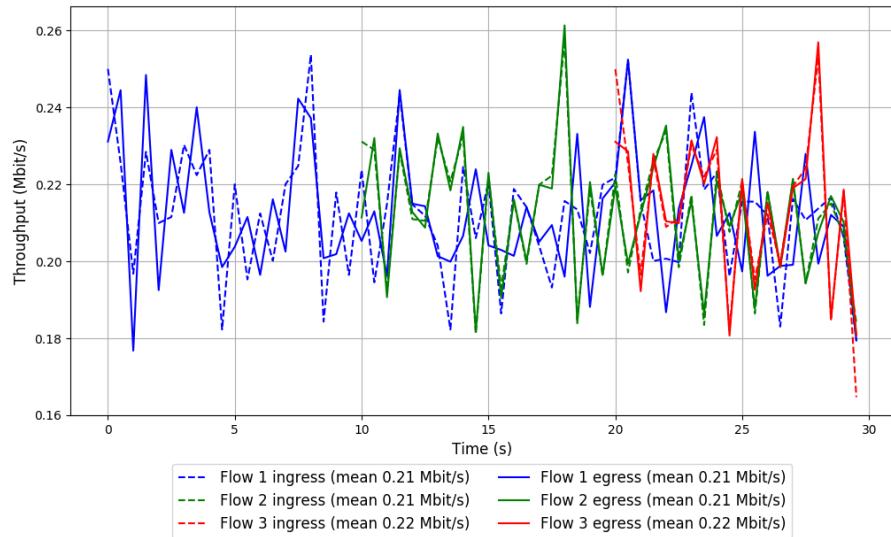


Run 4: Statistics of SCReAM

```
Start at: 2017-11-16 08:53:40
End at: 2017-11-16 08:54:10
Local clock offset: 0.891 ms
Remote clock offset: -20.767 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.222 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.577 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.812 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.840 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

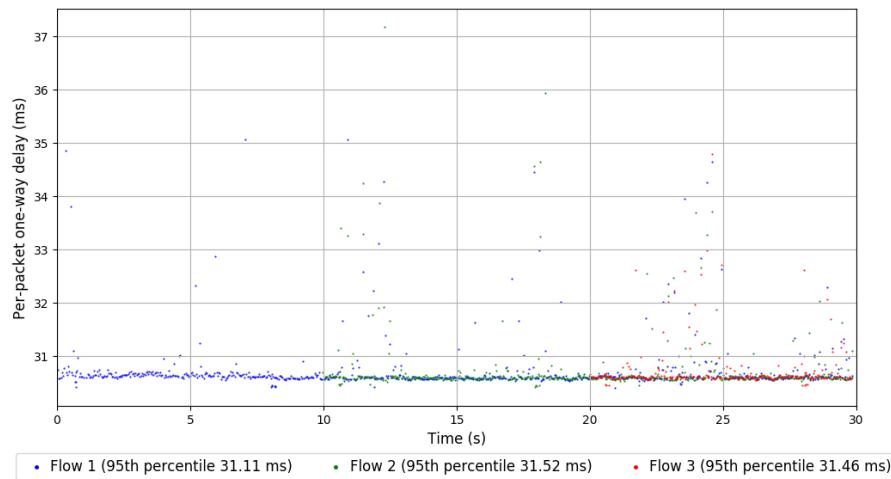
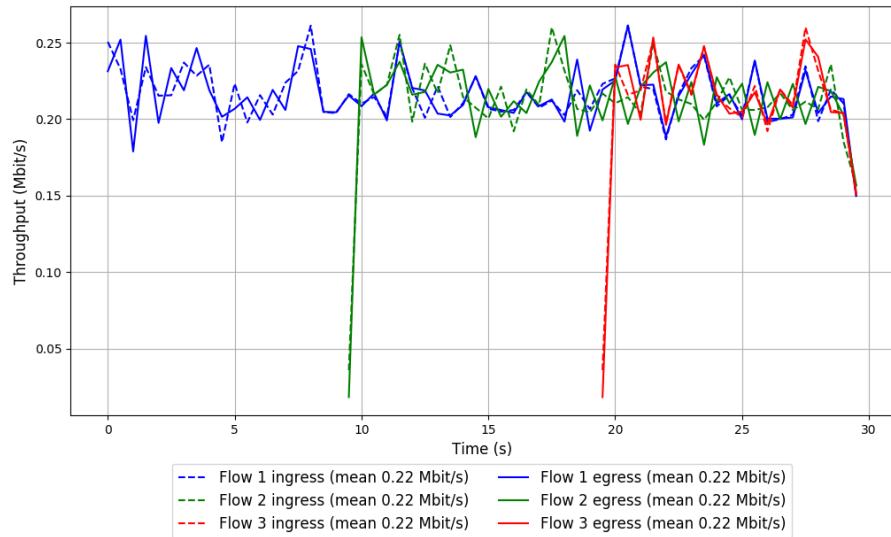


Run 5: Statistics of SCReAM

```
Start at: 2017-11-16 09:23:37
End at: 2017-11-16 09:24:07
Local clock offset: 0.796 ms
Remote clock offset: -18.872 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.285 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.105 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.462 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

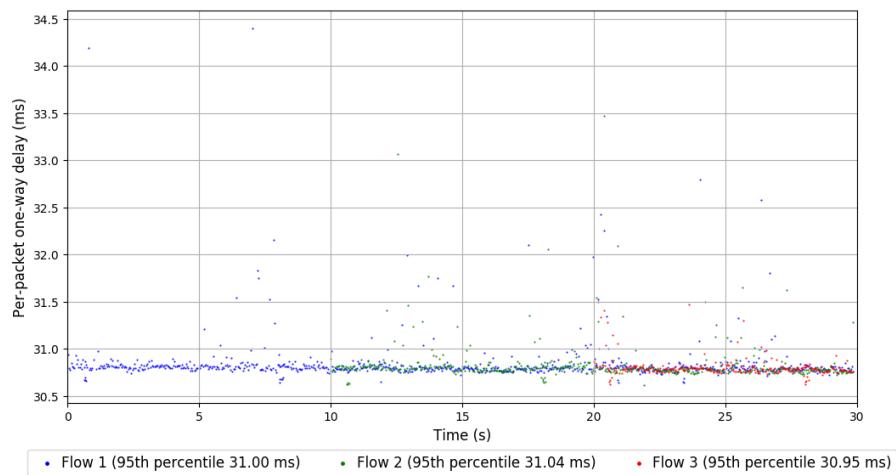
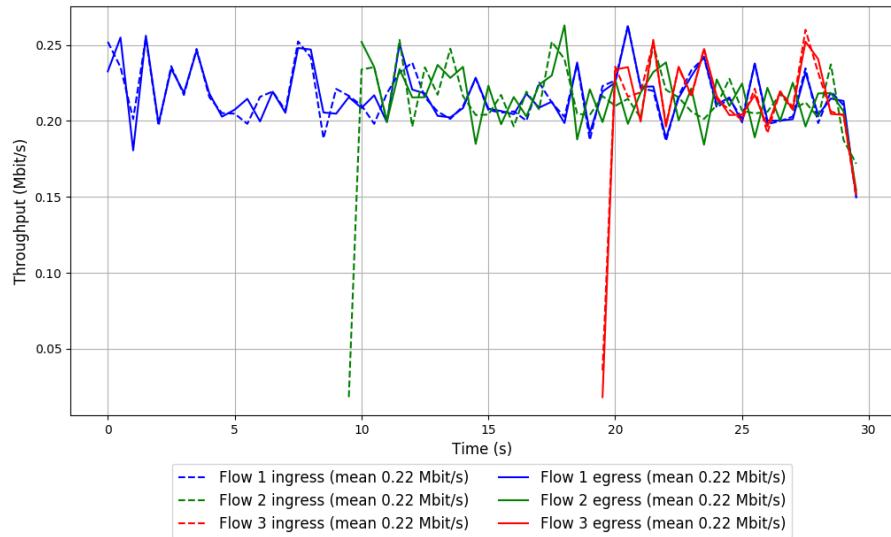


Run 6: Statistics of SCReAM

```
Start at: 2017-11-16 09:44:19
End at: 2017-11-16 09:44:49
Local clock offset: 2.563 ms
Remote clock offset: -14.946 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.004 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.003 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.041 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.948 ms
Loss rate: 0.35%
```

Run 6: Report of SCReAM — Data Link

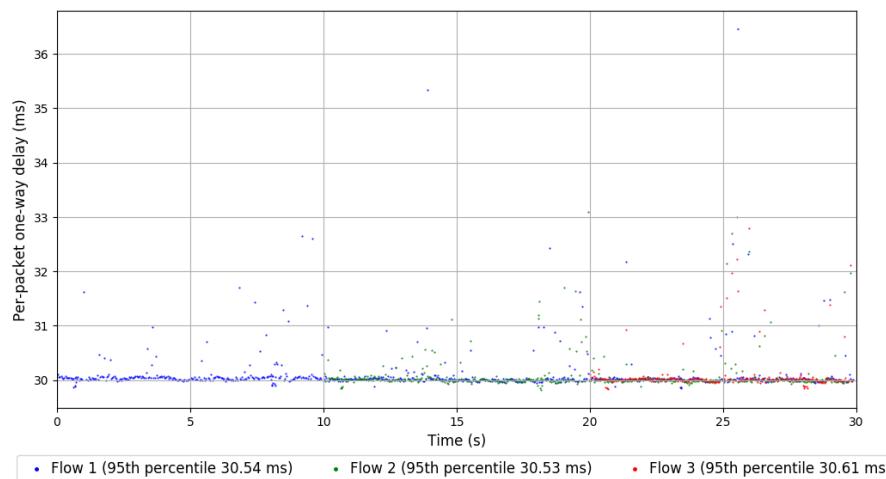
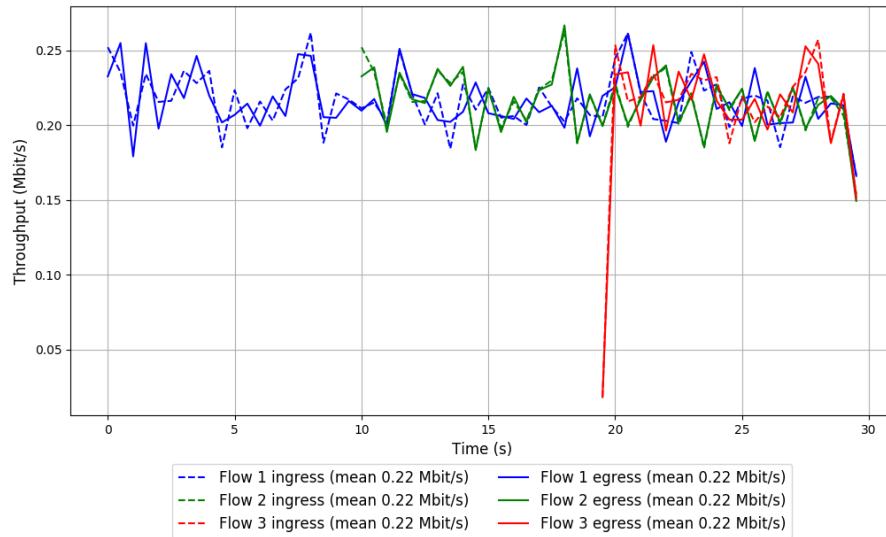


Run 7: Statistics of SCReAM

```
Start at: 2017-11-16 10:04:08
End at: 2017-11-16 10:04:38
Local clock offset: -2.47 ms
Remote clock offset: -19.791 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.541 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.544 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.531 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.611 ms
Loss rate: 0.35%
```

Run 7: Report of SCReAM — Data Link

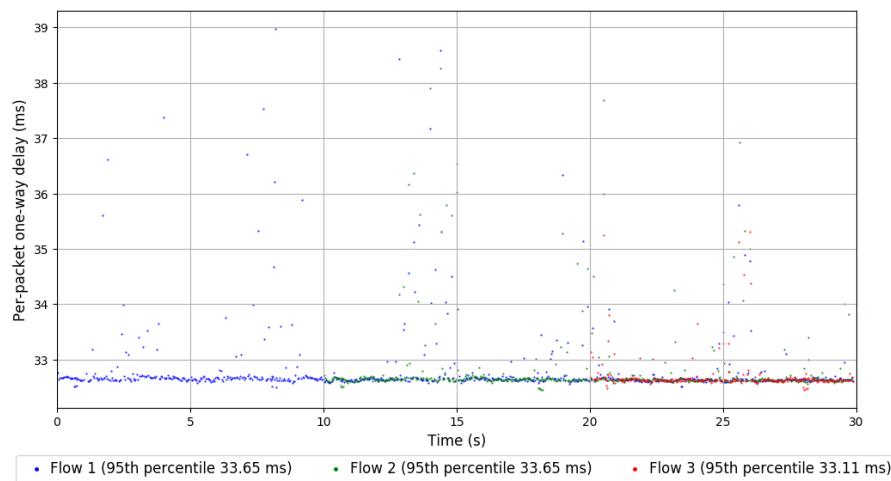
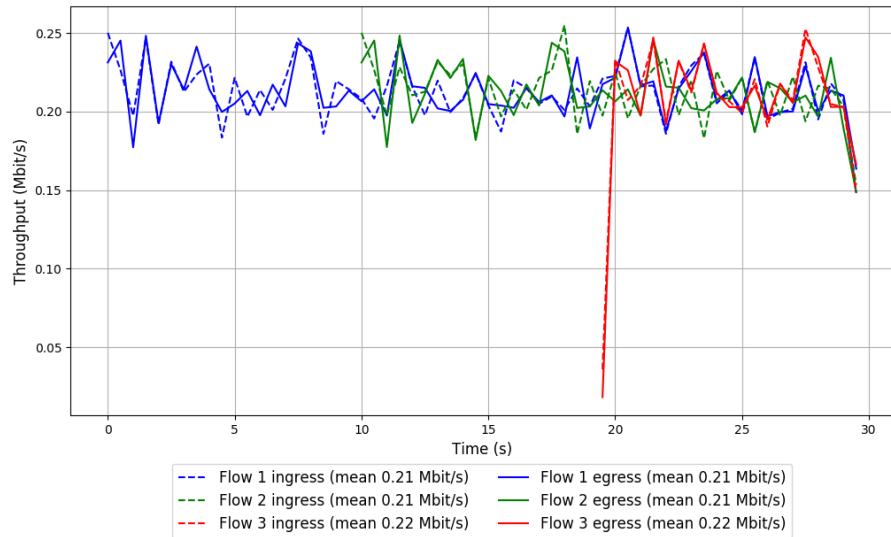


Run 8: Statistics of SCReAM

```
Start at: 2017-11-16 10:26:21
End at: 2017-11-16 10:26:51
Local clock offset: 4.715 ms
Remote clock offset: -17.674 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.593 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.653 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.647 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.108 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

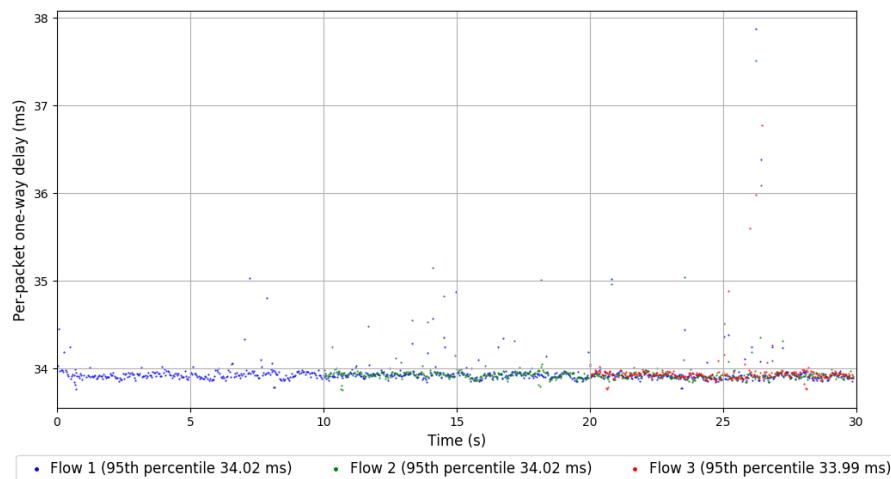
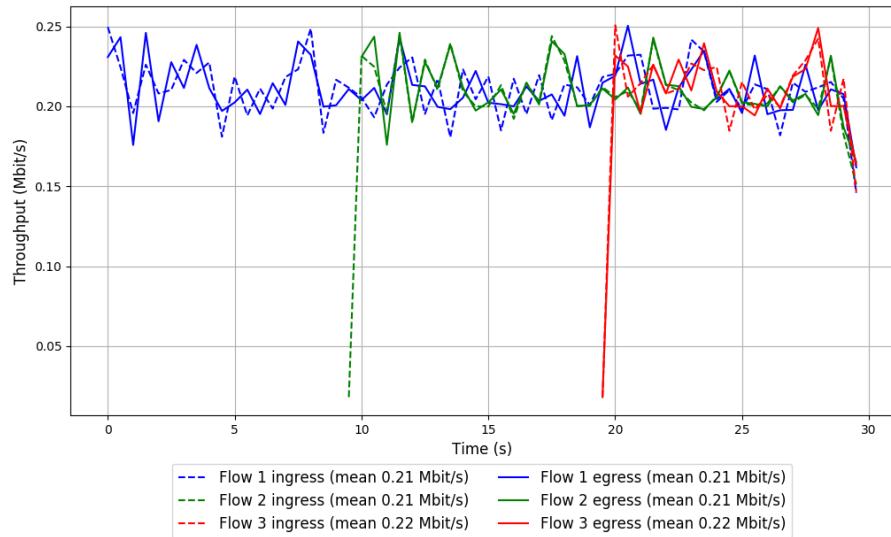


Run 9: Statistics of SCReAM

```
Start at: 2017-11-16 10:45:35
End at: 2017-11-16 10:46:05
Local clock offset: 2.343 ms
Remote clock offset: -17.176 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 34.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.987 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

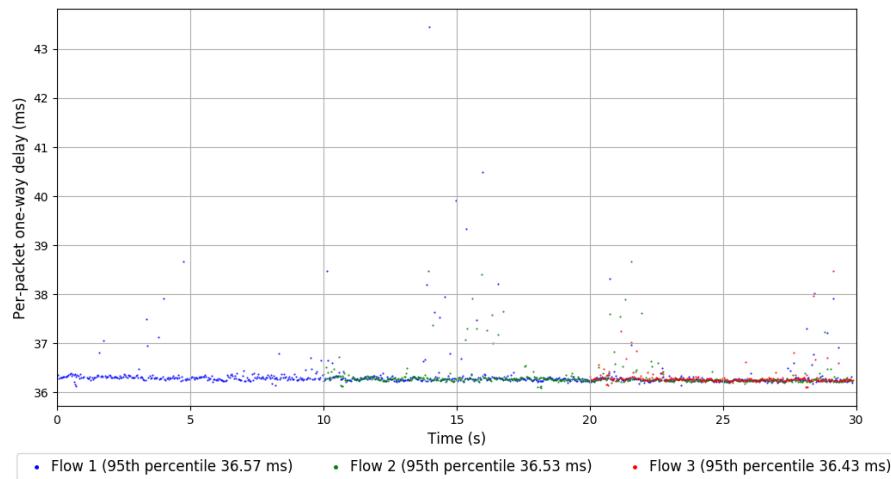
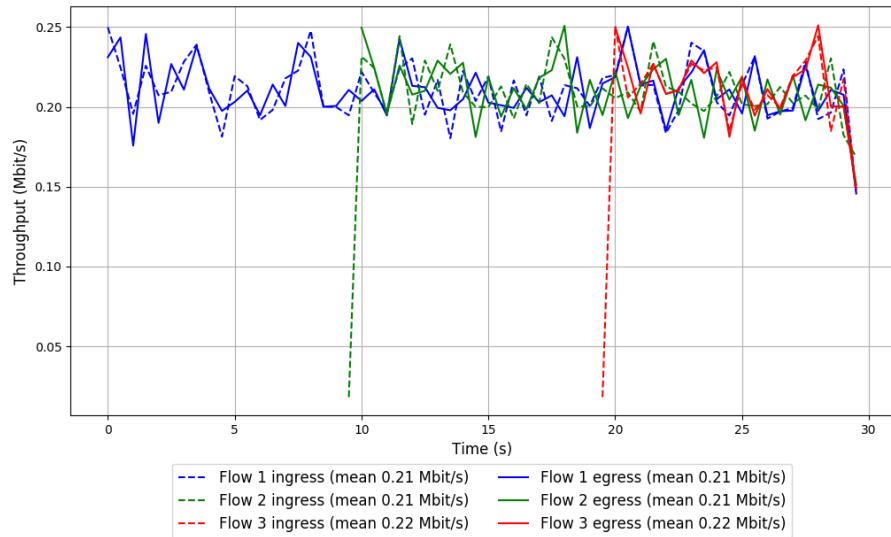


Run 10: Statistics of SCReAM

```
Start at: 2017-11-16 11:04:47
End at: 2017-11-16 11:05:17
Local clock offset: 5.725 ms
Remote clock offset: -17.184 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 36.530 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.568 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.530 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.426 ms
Loss rate: 0.35%
```

Run 10: Report of SCReAM — Data Link

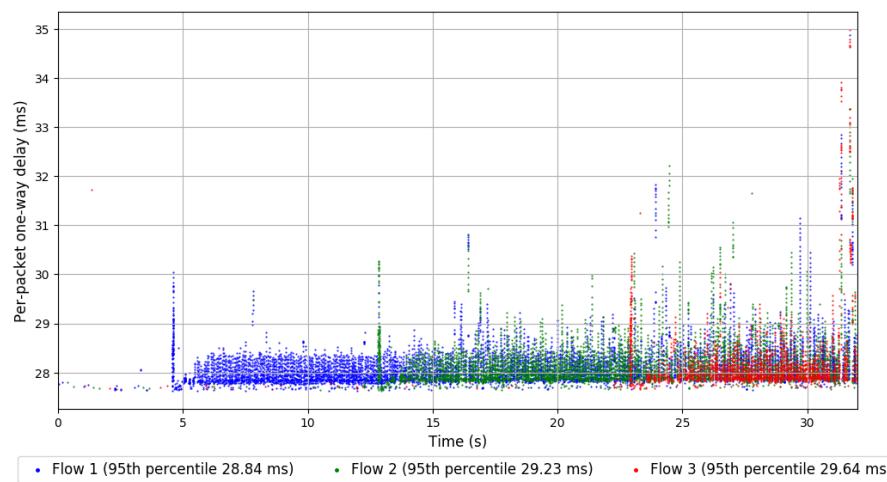
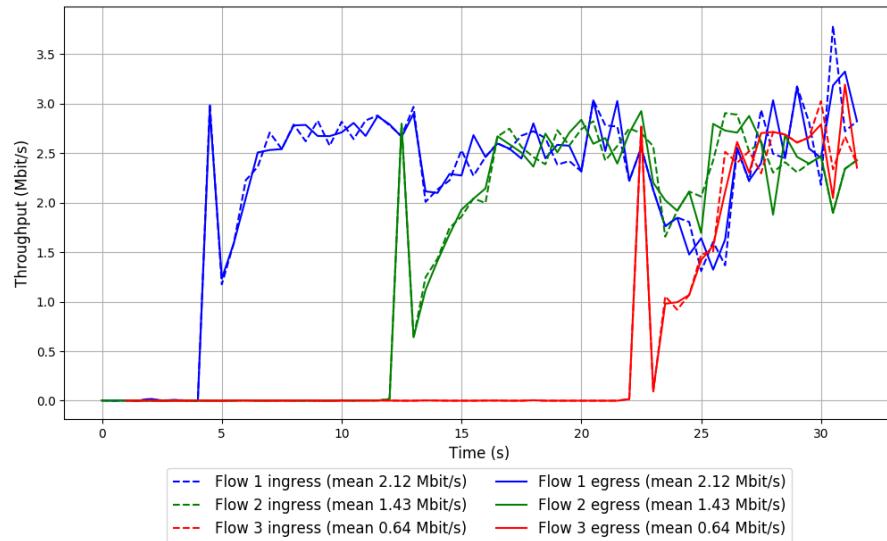


```
Run 1: Statistics of WebRTC media

Start at: 2017-11-16 07:31:05
End at: 2017-11-16 07:31:35
Local clock offset: -0.583 ms
Remote clock offset: -16.752 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 29.049 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 28.841 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 29.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 29.642 ms
Loss rate: 0.10%
```

Run 1: Report of WebRTC media — Data Link

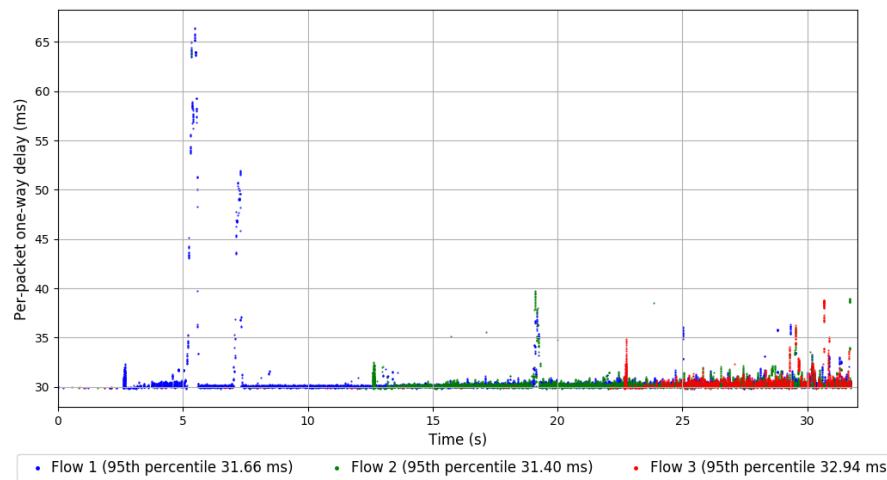
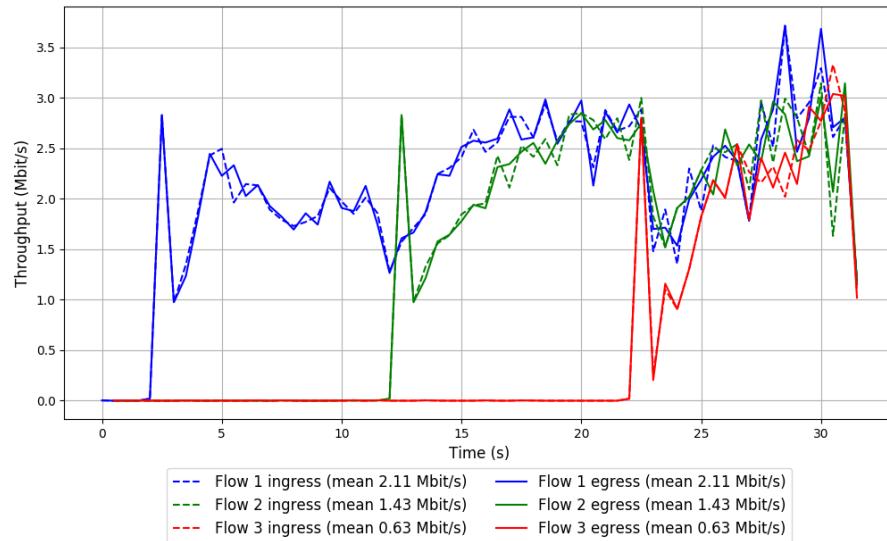


```
Run 2: Statistics of WebRTC media

Start at: 2017-11-16 07:51:01
End at: 2017-11-16 07:51:31
Local clock offset: -0.811 ms
Remote clock offset: -17.816 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 31.753 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 31.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 31.403 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 32.936 ms
Loss rate: 0.51%
```

Run 2: Report of WebRTC media — Data Link

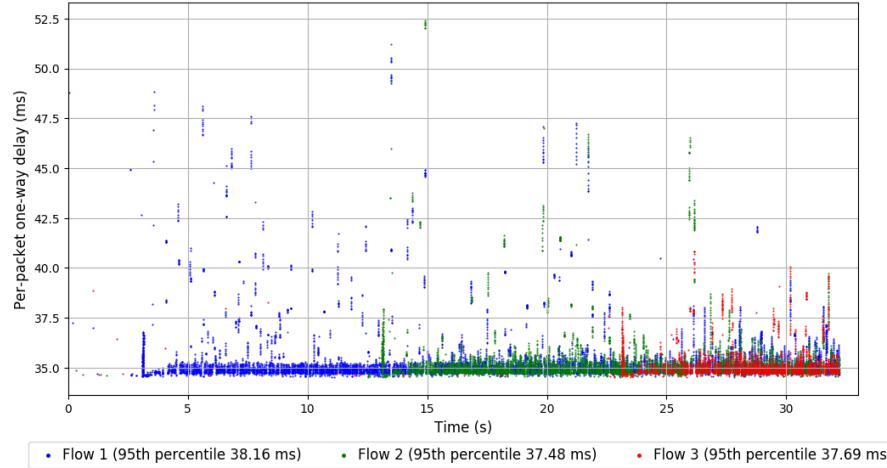
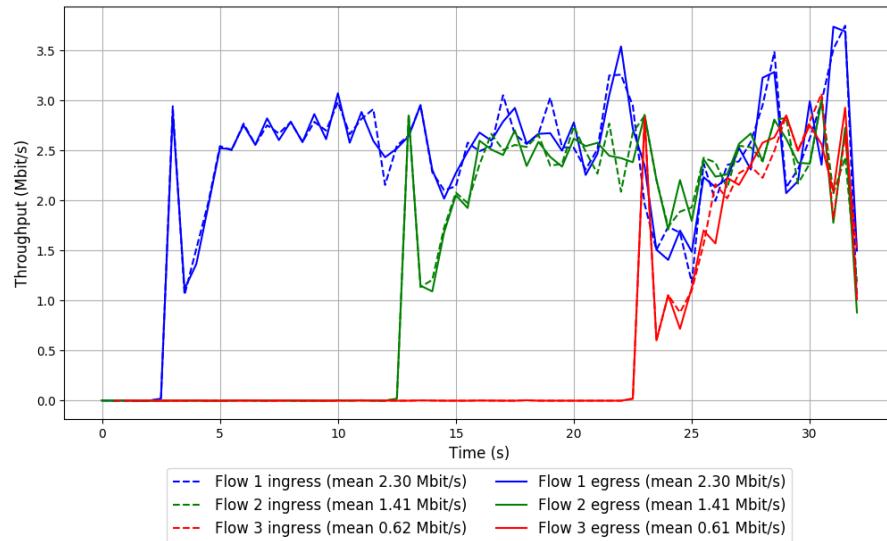


Run 3: Statistics of WebRTC media

```
Start at: 2017-11-16 08:16:26
End at: 2017-11-16 08:16:57
Local clock offset: 1.128 ms
Remote clock offset: -21.205 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 37.877 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 38.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 37.480 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 37.691 ms
Loss rate: 1.27%
```

Run 3: Report of WebRTC media — Data Link

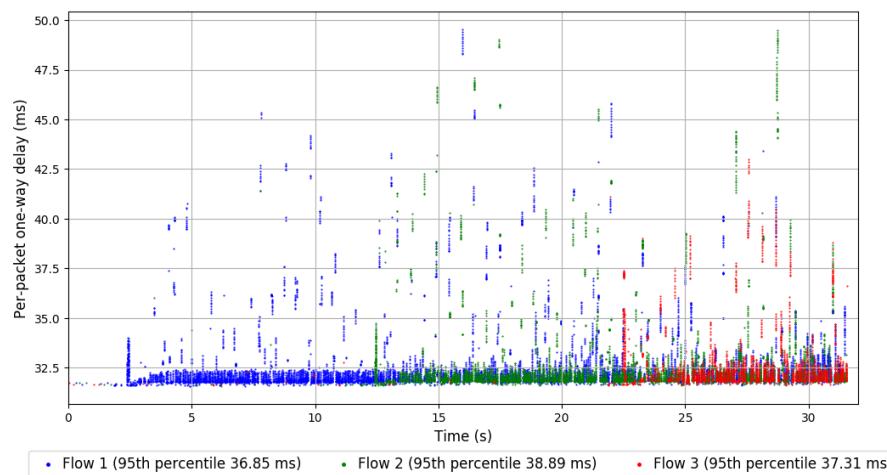
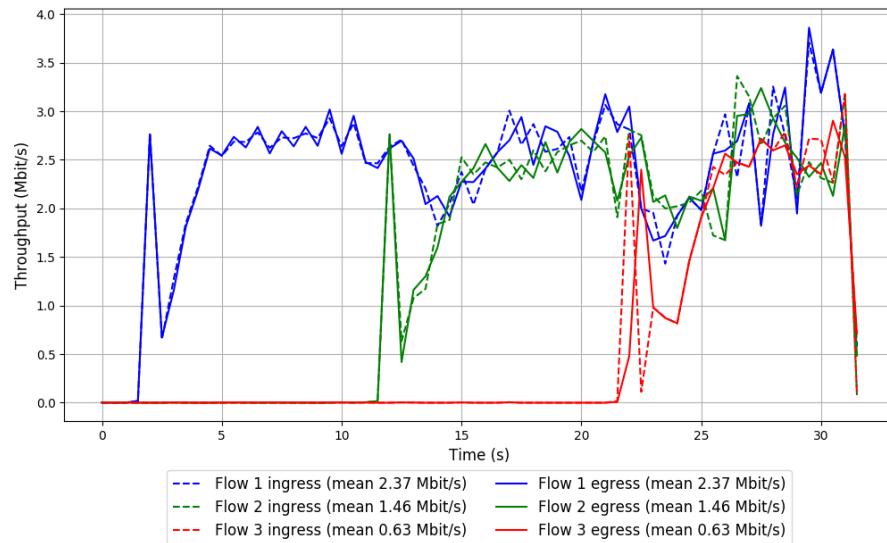


Run 4: Statistics of WebRTC media

```
Start at: 2017-11-16 08:44:26
End at: 2017-11-16 08:44:56
Local clock offset: -0.205 ms
Remote clock offset: -19.029 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 37.608 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 36.852 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 38.893 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 37.309 ms
Loss rate: 0.05%
```

Run 4: Report of WebRTC media — Data Link

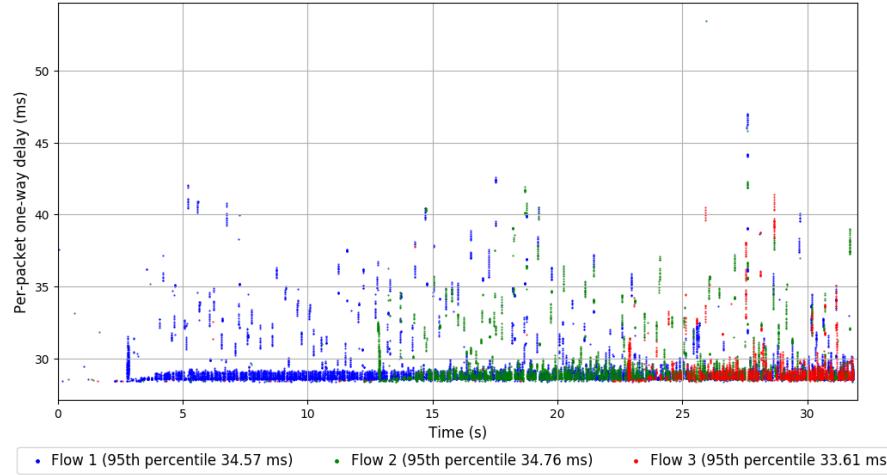
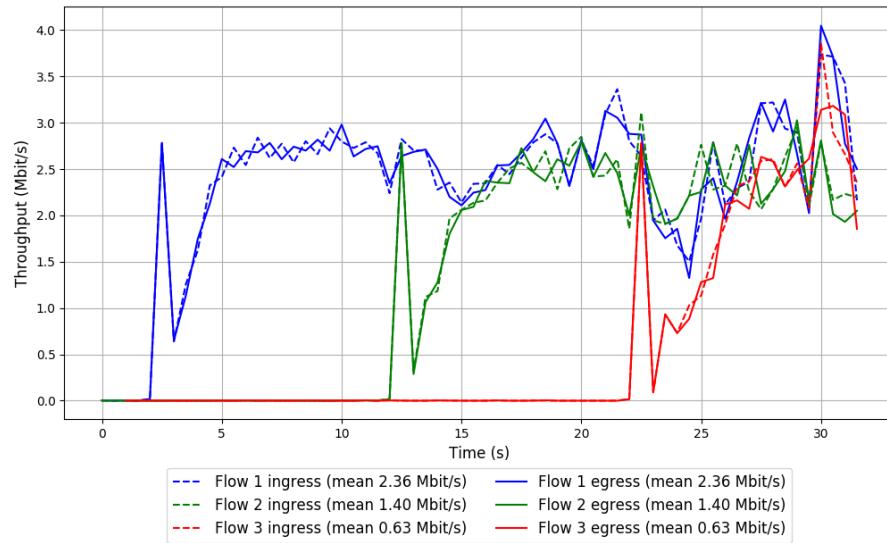


```
Run 5: Statistics of WebRTC media

Start at: 2017-11-16 09:15:27
End at: 2017-11-16 09:15:57
Local clock offset: -0.185 ms
Remote clock offset: -17.176 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 34.570 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 34.570 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 34.762 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 33.610 ms
Loss rate: 1.29%
```

Run 5: Report of WebRTC media — Data Link

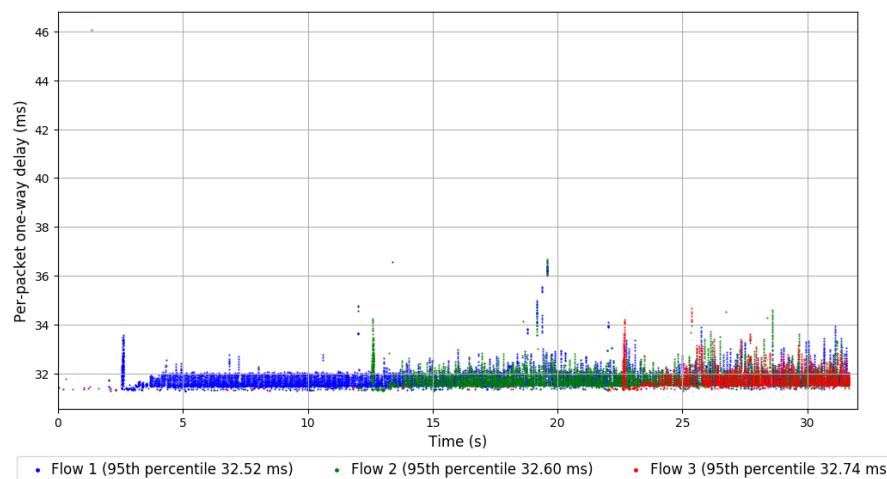
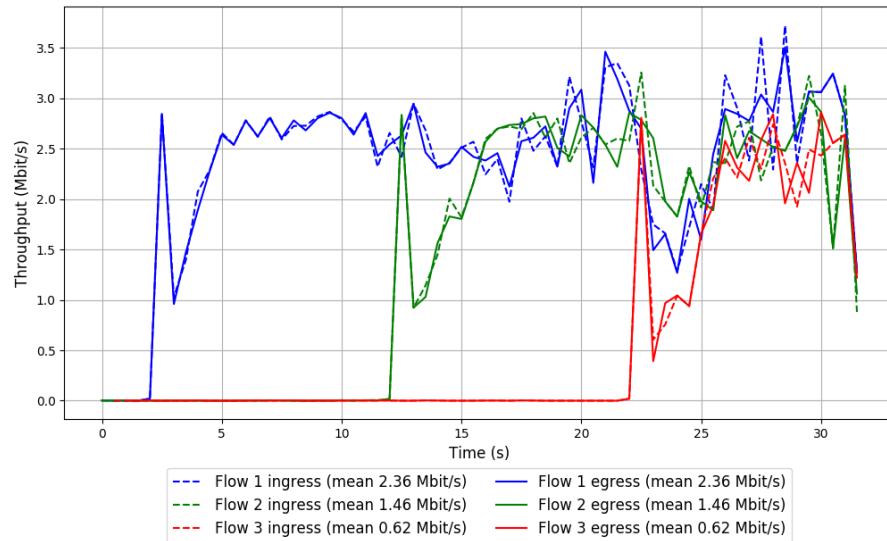


Run 6: Statistics of WebRTC media

```
Start at: 2017-11-16 09:37:24
End at: 2017-11-16 09:37:54
Local clock offset: 1.108 ms
Remote clock offset: -18.359 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 32.585 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 32.520 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 32.600 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 32.743 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

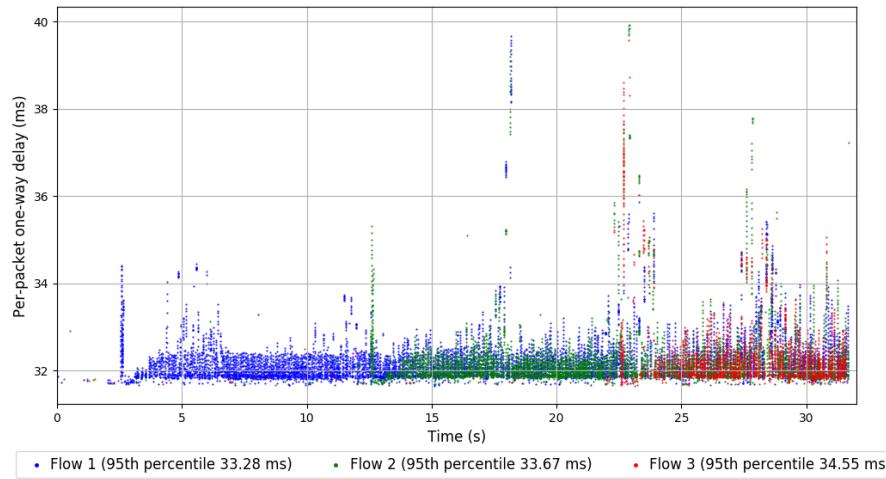
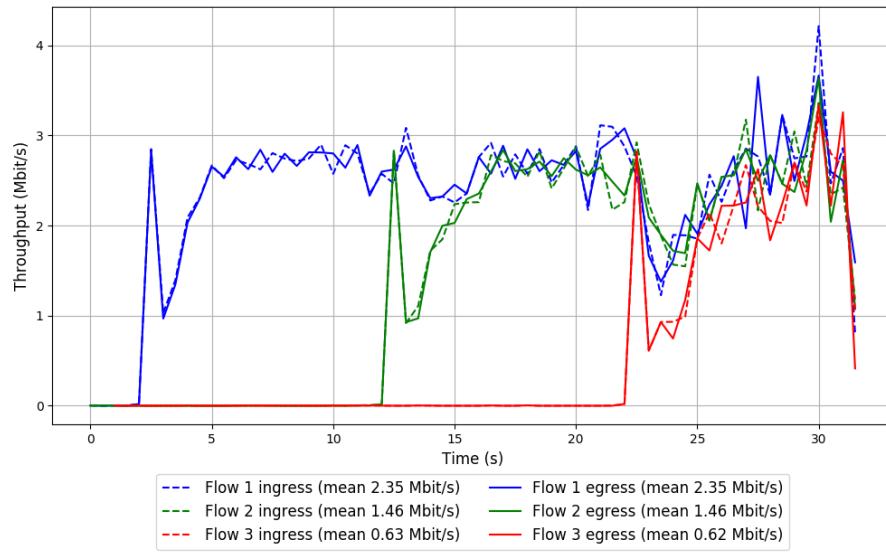


Run 7: Statistics of WebRTC media

```
Start at: 2017-11-16 09:57:02
End at: 2017-11-16 09:57:32
Local clock offset: 2.781 ms
Remote clock offset: -15.857 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 33.504 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 33.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 33.667 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 34.555 ms
Loss rate: 1.69%
```

Run 7: Report of WebRTC media — Data Link

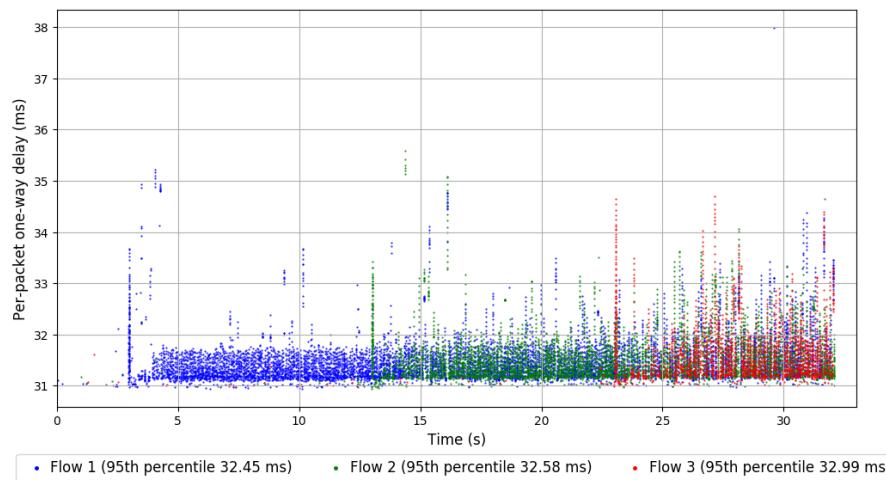
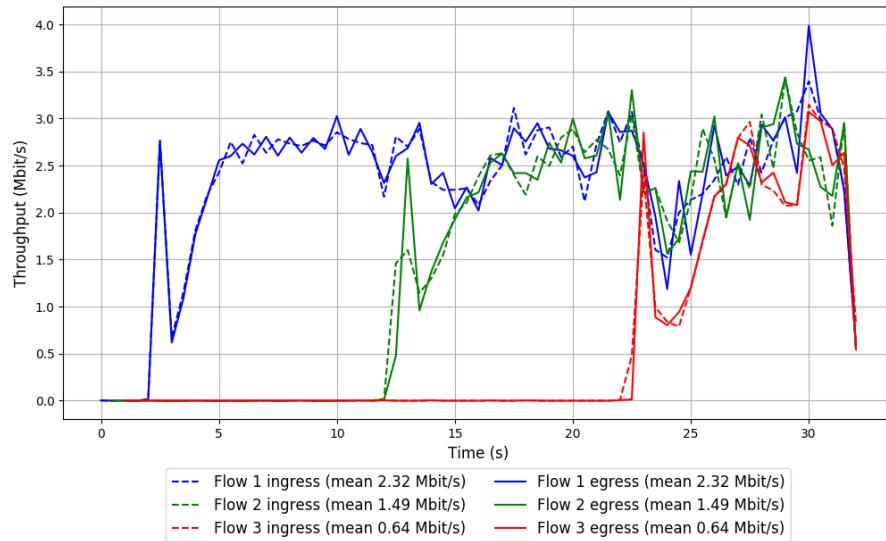


```
Run 8: Statistics of WebRTC media

Start at: 2017-11-16 10:19:22
End at: 2017-11-16 10:19:52
Local clock offset: 2.912 ms
Remote clock offset: -18.137 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 32.610 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 32.445 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 32.990 ms
Loss rate: 1.46%
```

Run 8: Report of WebRTC media — Data Link

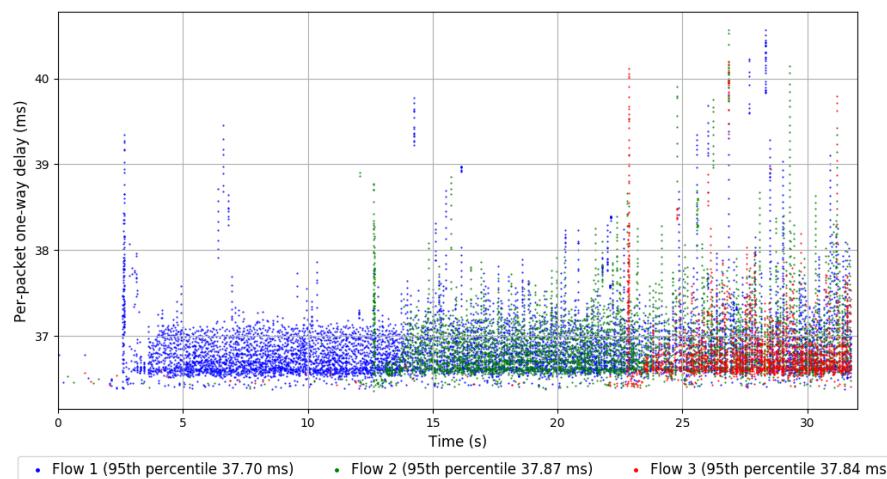
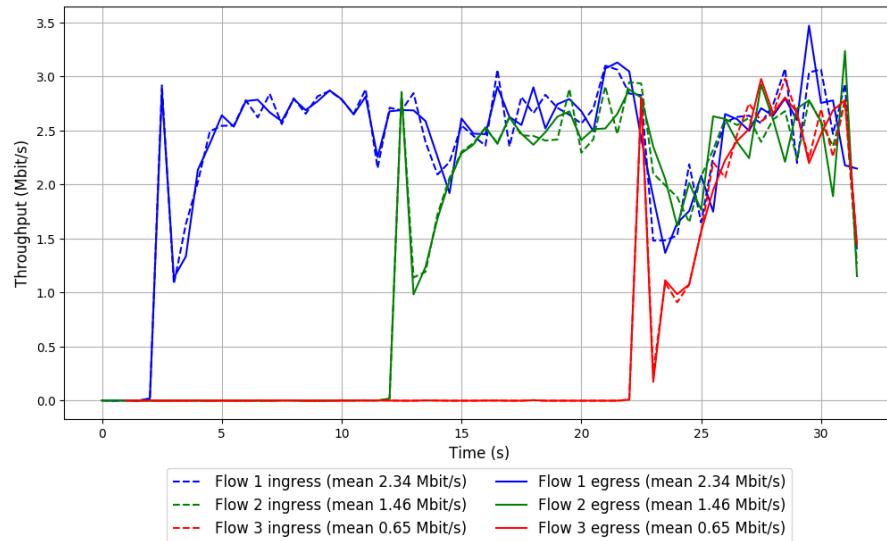


Run 9: Statistics of WebRTC media

```
Start at: 2017-11-16 10:38:42
End at: 2017-11-16 10:39:12
Local clock offset: 4.922 ms
Remote clock offset: -17.169 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 37.784 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 37.702 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 37.865 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 37.838 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

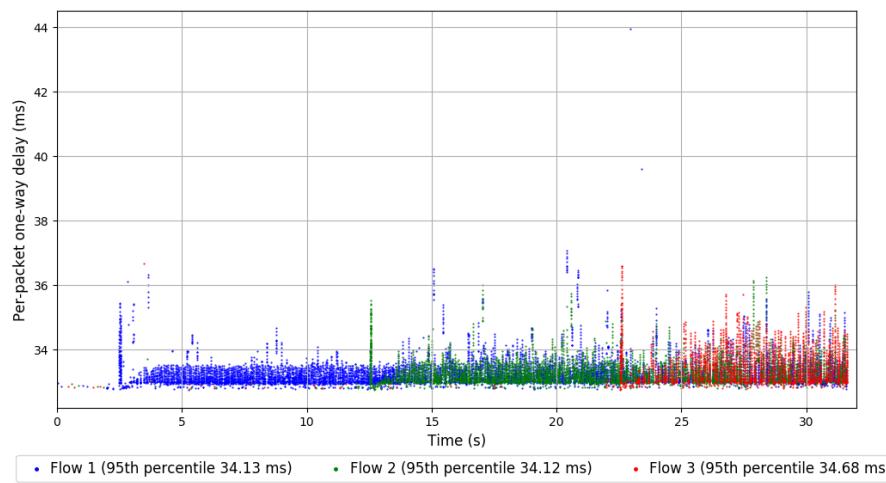
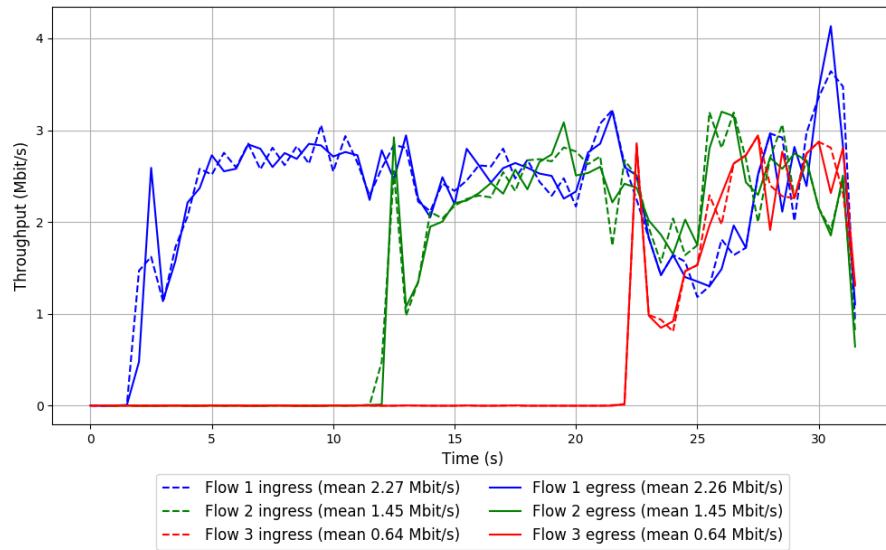


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-11-16 10:57:49
End at: 2017-11-16 10:58:19
Local clock offset: 1.333 ms
Remote clock offset: -17.884 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 34.282 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 34.132 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 34.124 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.684 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

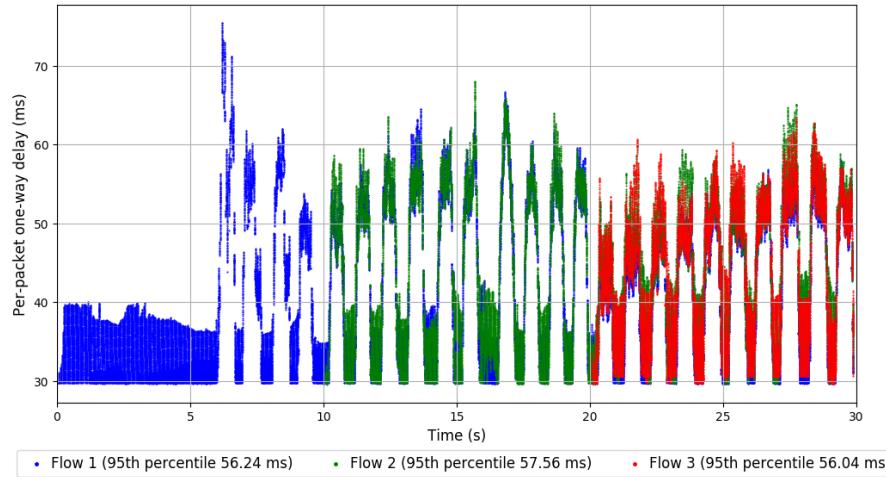
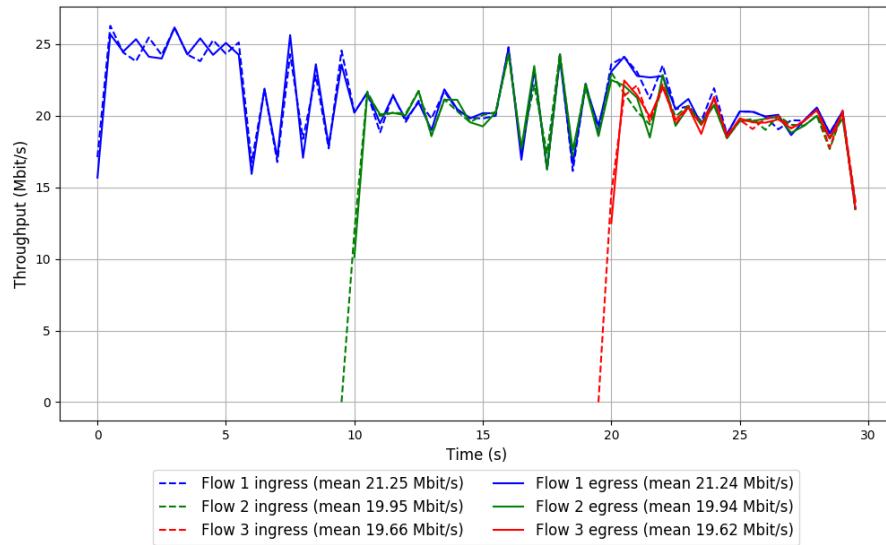


Run 1: Statistics of Sprout

```
Start at: 2017-11-16 07:36:37
End at: 2017-11-16 07:37:07
Local clock offset: 0.79 ms
Remote clock offset: -17.197 ms

# Below is generated by plot.py at 2017-11-16 14:41:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 56.713 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 56.240 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 57.564 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 56.036 ms
Loss rate: 0.51%
```

Run 1: Report of Sprout — Data Link

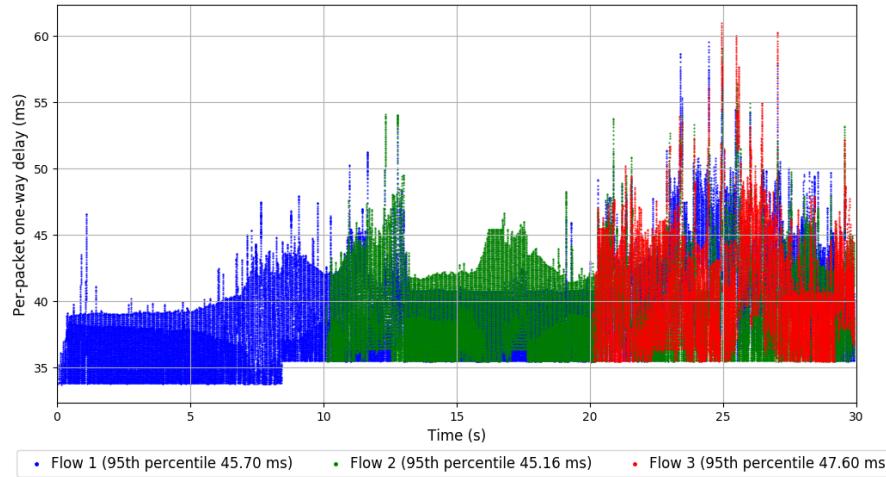
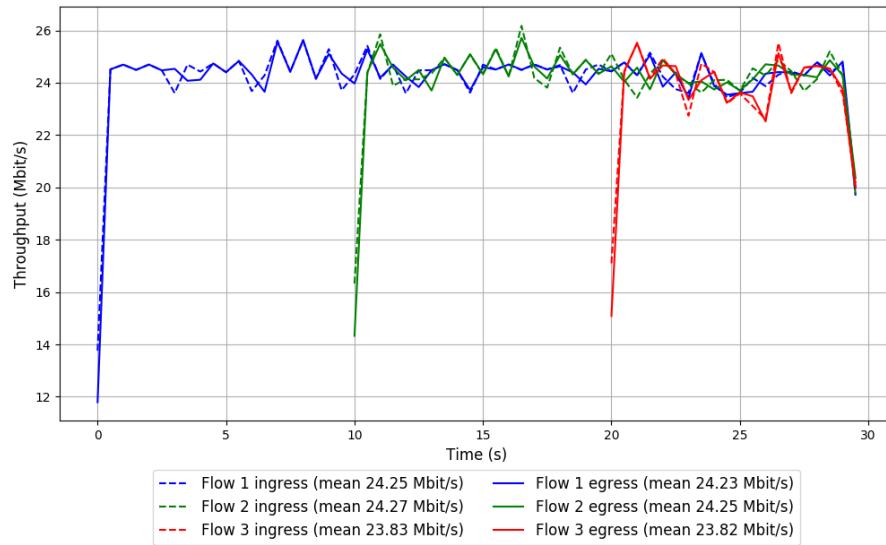


Run 2: Statistics of Sprout

```
Start at: 2017-11-16 07:57:36
End at: 2017-11-16 07:58:06
Local clock offset: 2.734 ms
Remote clock offset: -19.828 ms

# Below is generated by plot.py at 2017-11-16 14:42:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 45.918 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 45.705 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 45.158 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 47.599 ms
Loss rate: 0.42%
```

Run 2: Report of Sprout — Data Link

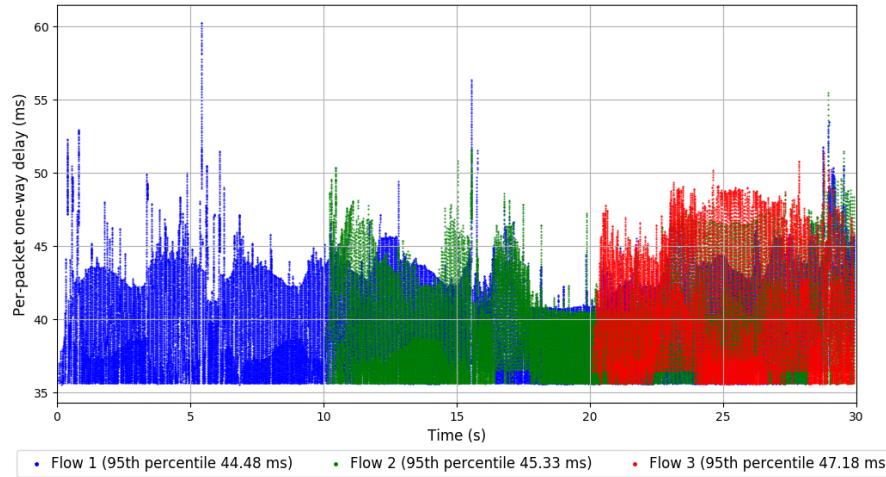
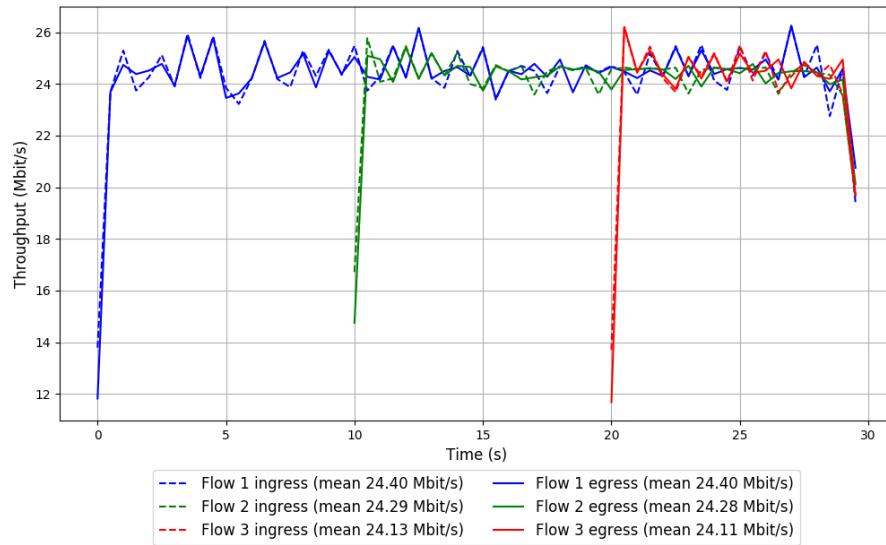


Run 3: Statistics of Sprout

```
Start at: 2017-11-16 08:24:36
End at: 2017-11-16 08:25:06
Local clock offset: 2.702 ms
Remote clock offset: -20.861 ms

# Below is generated by plot.py at 2017-11-16 14:42:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 45.514 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 44.483 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 45.333 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 47.179 ms
Loss rate: 0.25%
```

Run 3: Report of Sprout — Data Link

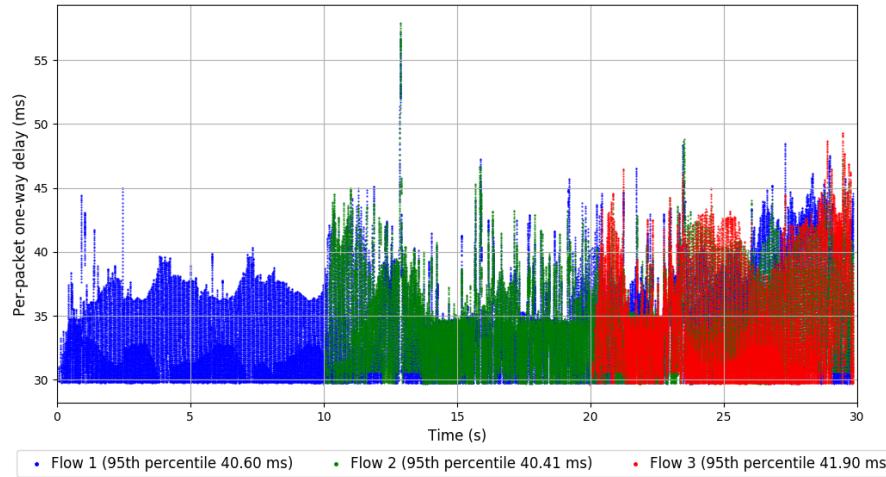
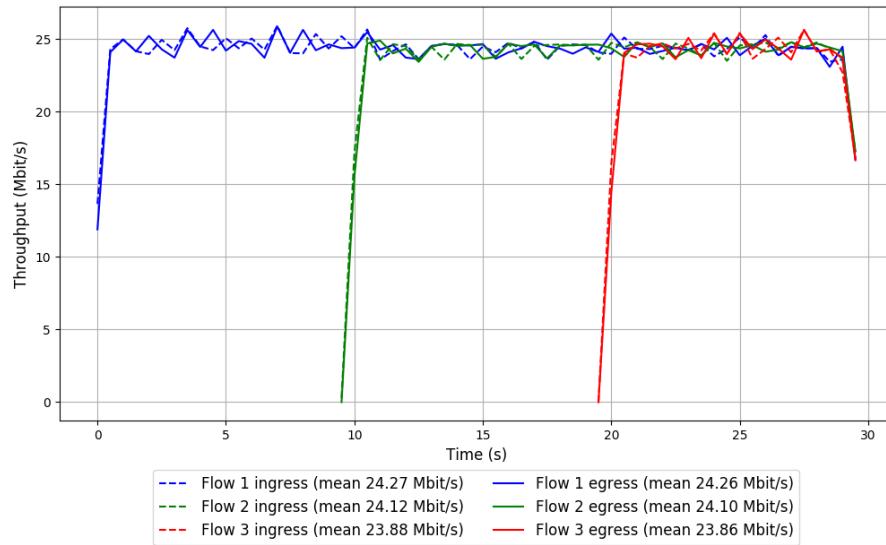


Run 4: Statistics of Sprout

```
Start at: 2017-11-16 08:52:11
End at: 2017-11-16 08:52:41
Local clock offset: -1.233 ms
Remote clock offset: -18.183 ms

# Below is generated by plot.py at 2017-11-16 14:42:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 40.871 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 40.600 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 40.413 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 41.902 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link

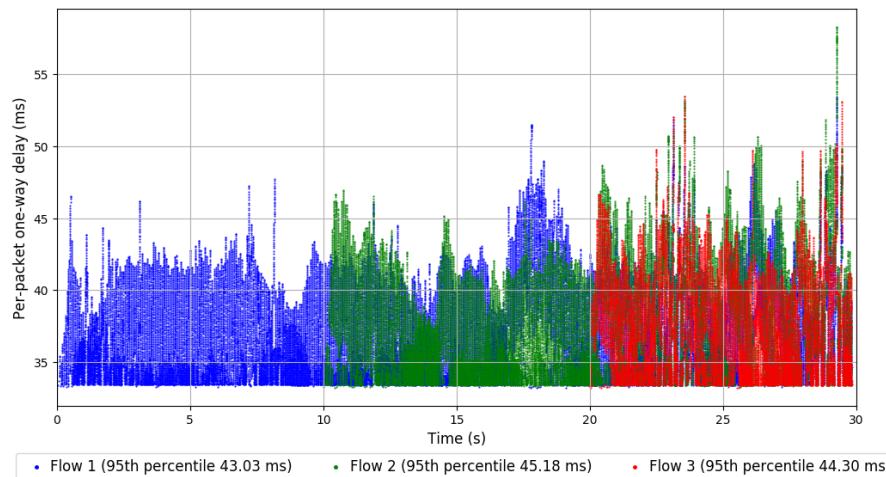
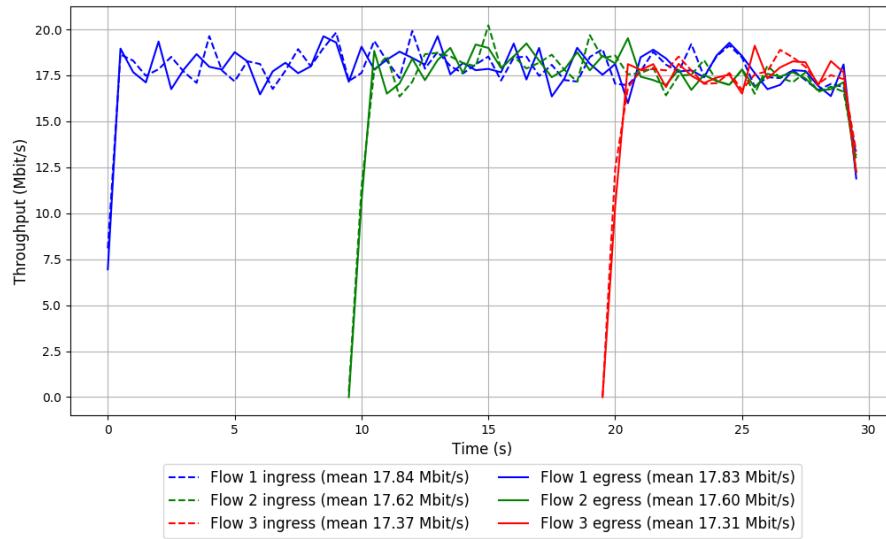


Run 5: Statistics of Sprout

```
Start at: 2017-11-16 09:22:23
End at: 2017-11-16 09:22:53
Local clock offset: 2.566 ms
Remote clock offset: -19.863 ms

# Below is generated by plot.py at 2017-11-16 14:42:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 44.111 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 17.83 Mbit/s
95th percentile per-packet one-way delay: 43.026 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 45.181 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 44.304 ms
Loss rate: 0.52%
```

Run 5: Report of Sprout — Data Link

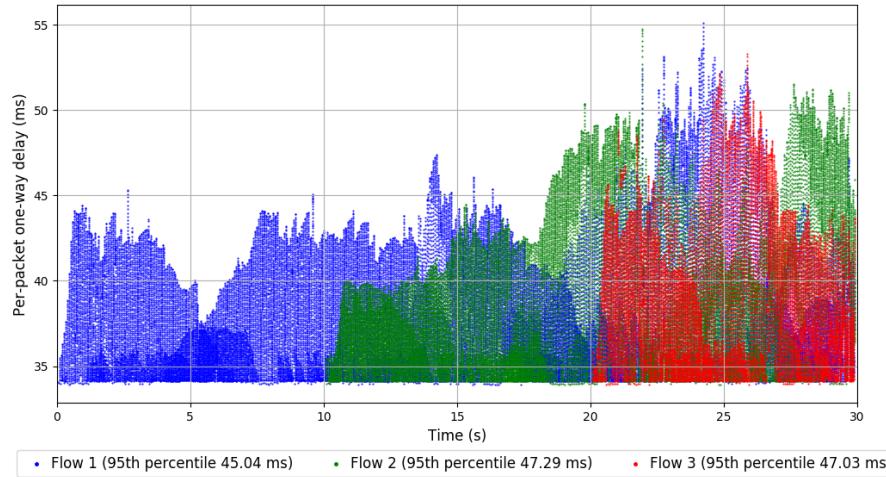
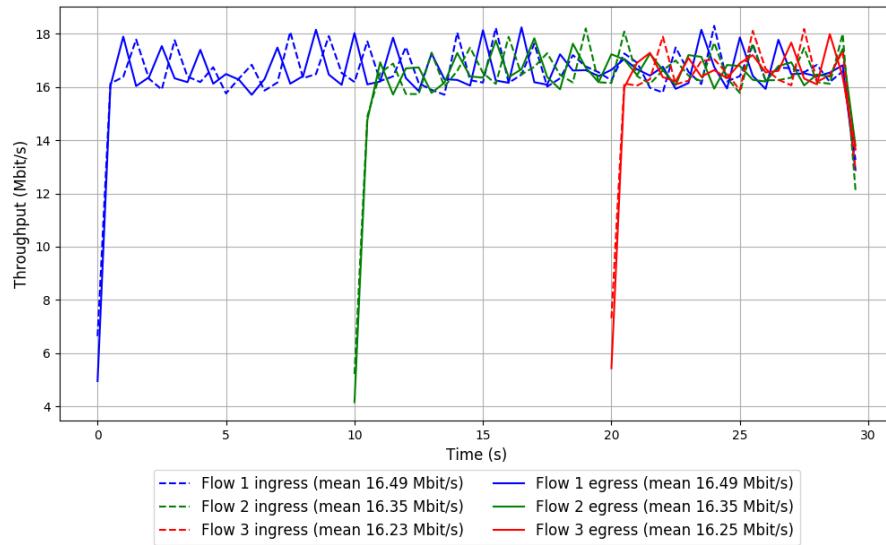


Run 6: Statistics of Sprout

```
Start at: 2017-11-16 09:43:04
End at: 2017-11-16 09:43:34
Local clock offset: 3.086 ms
Remote clock offset: -17.738 ms

# Below is generated by plot.py at 2017-11-16 14:42:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 46.549 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 45.042 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 47.289 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 47.033 ms
Loss rate: 0.18%
```

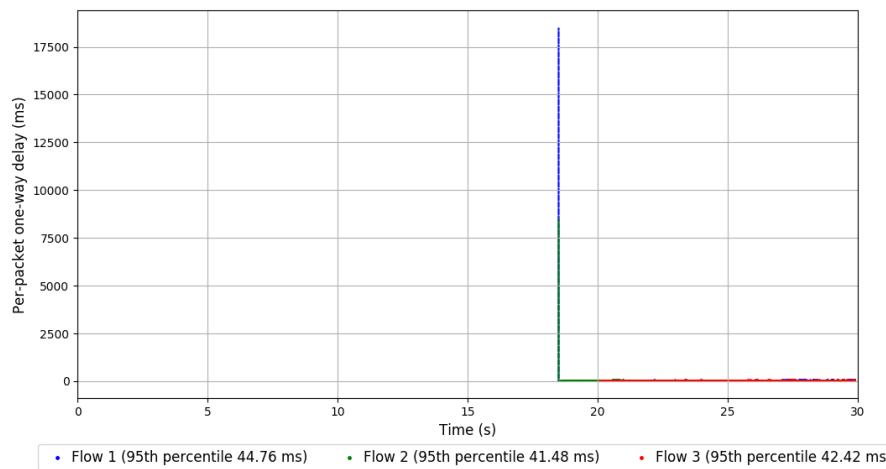
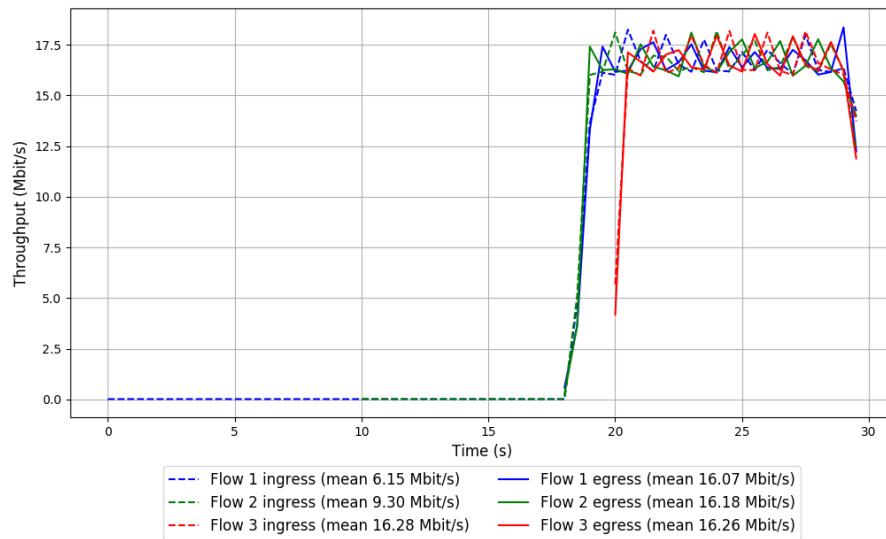
Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-11-16 10:02:55
End at: 2017-11-16 10:03:25
Local clock offset: 1.792 ms
Remote clock offset: -16.27 ms

Run 7: Report of Sprout — Data Link

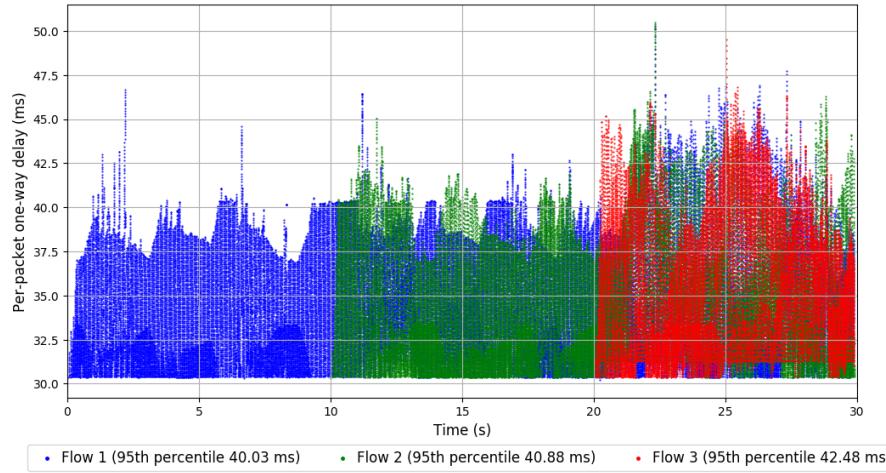
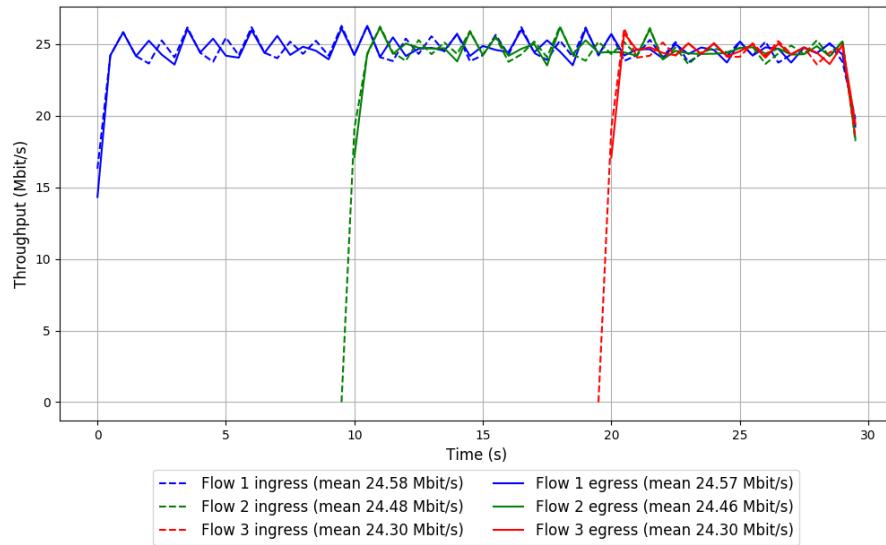


Run 8: Statistics of Sprout

```
Start at: 2017-11-16 10:25:08
End at: 2017-11-16 10:25:38
Local clock offset: 1.643 ms
Remote clock offset: -18.519 ms

# Below is generated by plot.py at 2017-11-16 14:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 40.964 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 40.035 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 40.875 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 42.478 ms
Loss rate: 0.18%
```

Run 8: Report of Sprout — Data Link

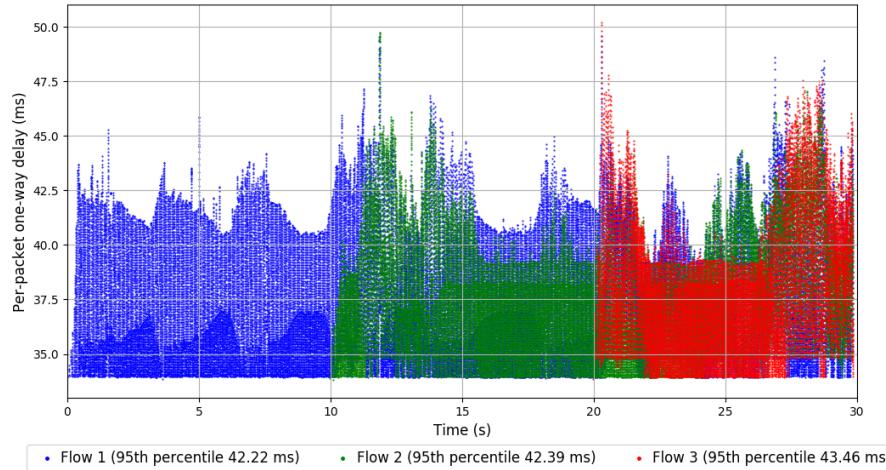
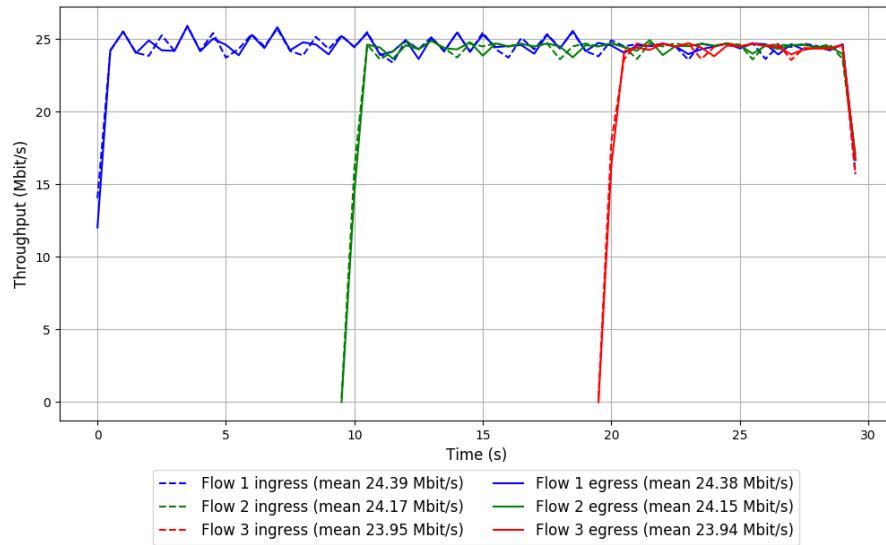


Run 9: Statistics of Sprout

```
Start at: 2017-11-16 10:44:17
End at: 2017-11-16 10:44:47
Local clock offset: 1.934 ms
Remote clock offset: -17.663 ms

# Below is generated by plot.py at 2017-11-16 14:42:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 42.481 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 42.224 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 42.386 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 43.460 ms
Loss rate: 0.20%
```

Run 9: Report of Sprout — Data Link

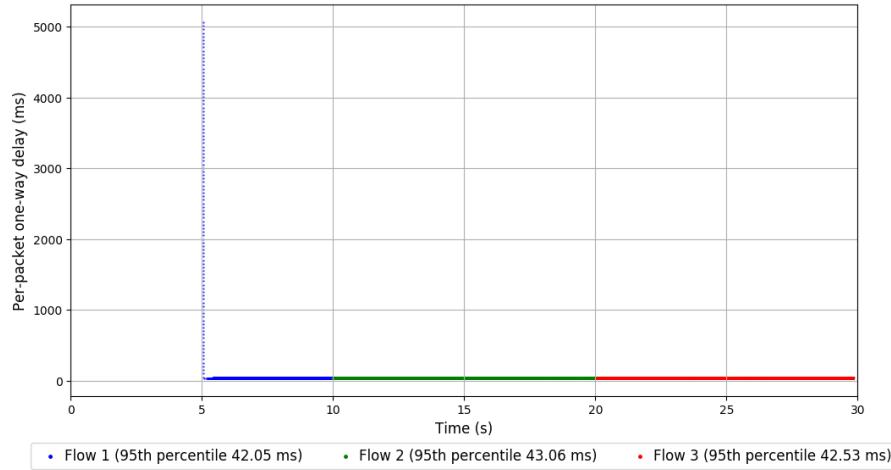
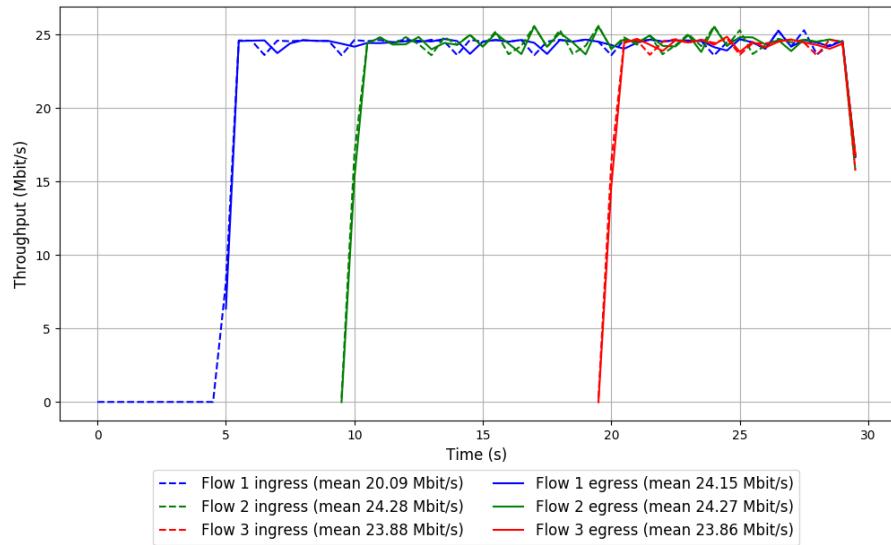


Run 10: Statistics of Sprout

```
Start at: 2017-11-16 11:03:36
End at: 2017-11-16 11:04:06
Local clock offset: 3.541 ms
Remote clock offset: -17.5 ms

# Below is generated by plot.py at 2017-11-16 14:42:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.11 Mbit/s
95th percentile per-packet one-way delay: 42.560 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 42.052 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 43.063 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 42.534 ms
Loss rate: 0.20%
```

Run 10: Report of Sprout — Data Link

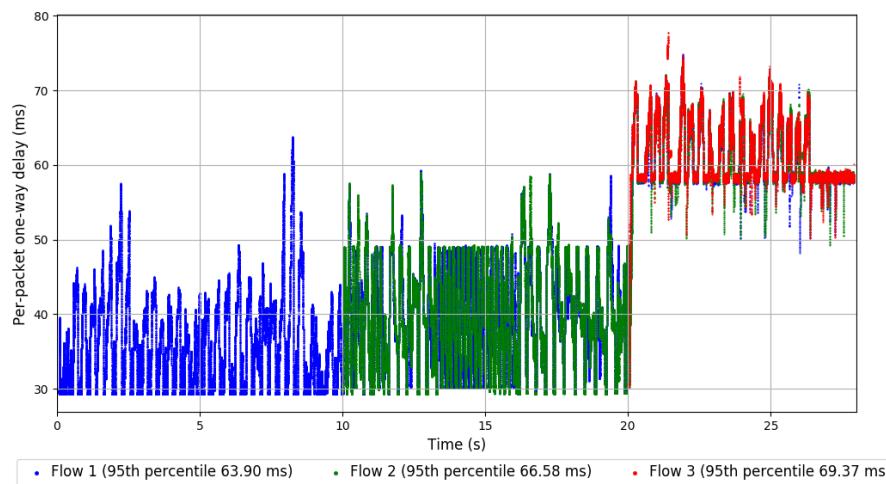
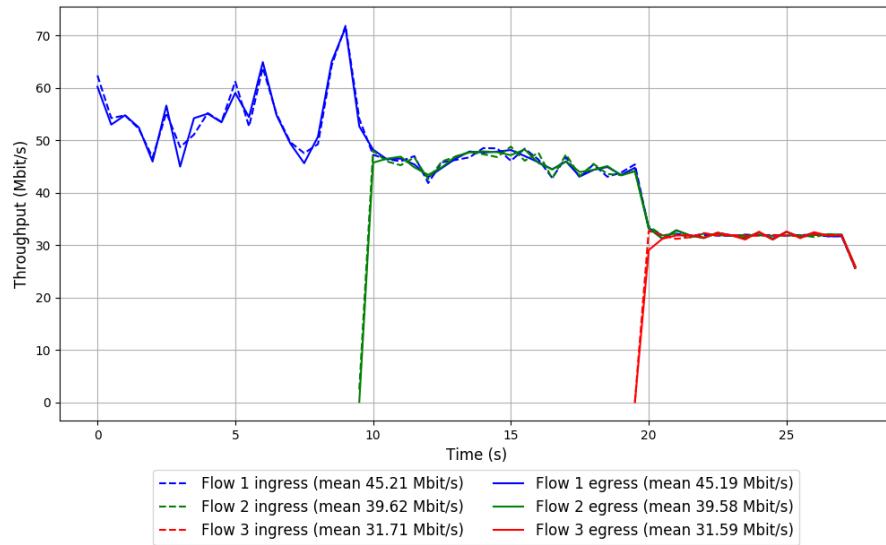


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-11-16 07:18:21
End at: 2017-11-16 07:18:51
Local clock offset: 3.044 ms
Remote clock offset: -15.359 ms

# Below is generated by plot.py at 2017-11-16 14:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 66.394 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 45.19 Mbit/s
95th percentile per-packet one-way delay: 63.902 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 66.576 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 69.374 ms
Loss rate: 0.66%
```

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

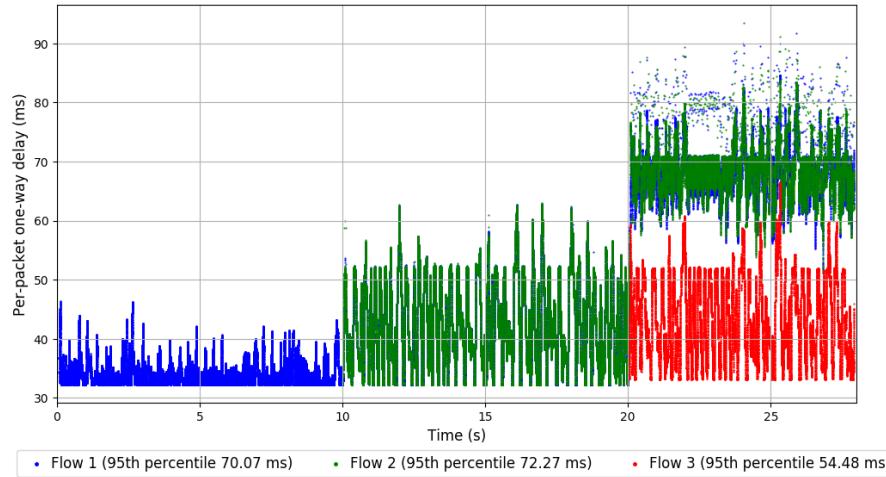
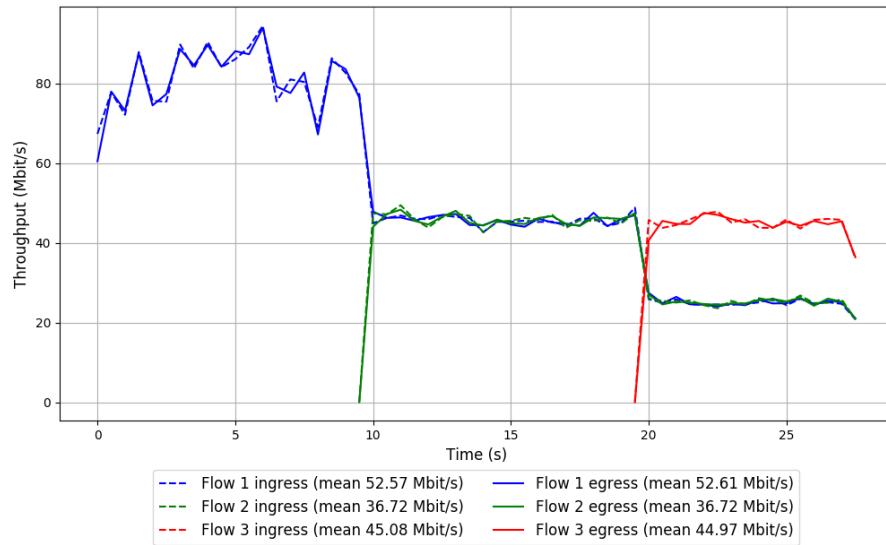


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-11-16 07:38:52
End at: 2017-11-16 07:39:22
Local clock offset: 2.569 ms
Remote clock offset: -18.045 ms

# Below is generated by plot.py at 2017-11-16 14:44:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 70.508 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 52.61 Mbit/s
95th percentile per-packet one-way delay: 70.071 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 72.265 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 54.484 ms
Loss rate: 0.65%
```

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

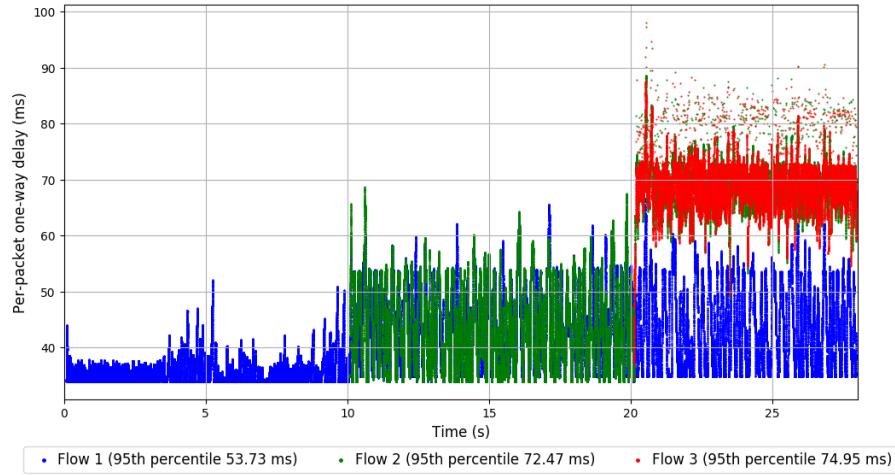
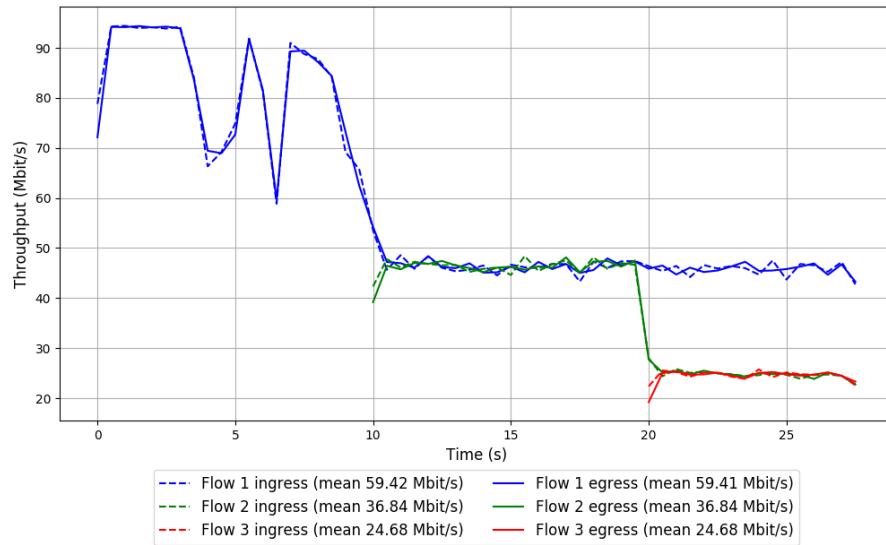


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-11-16 08:00:01
End at: 2017-11-16 08:00:31
Local clock offset: 1.578 ms
Remote clock offset: -19.43 ms

# Below is generated by plot.py at 2017-11-16 14:44:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 71.091 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 53.727 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 72.465 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 74.947 ms
Loss rate: 0.73%
```

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

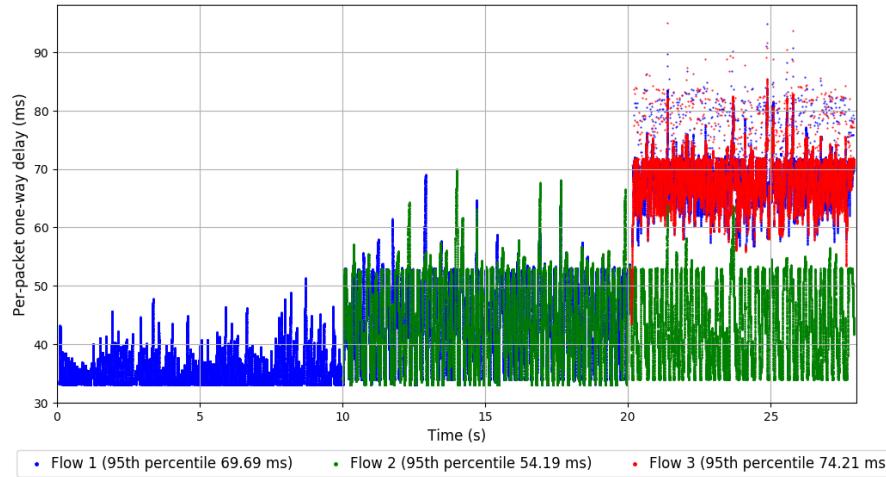
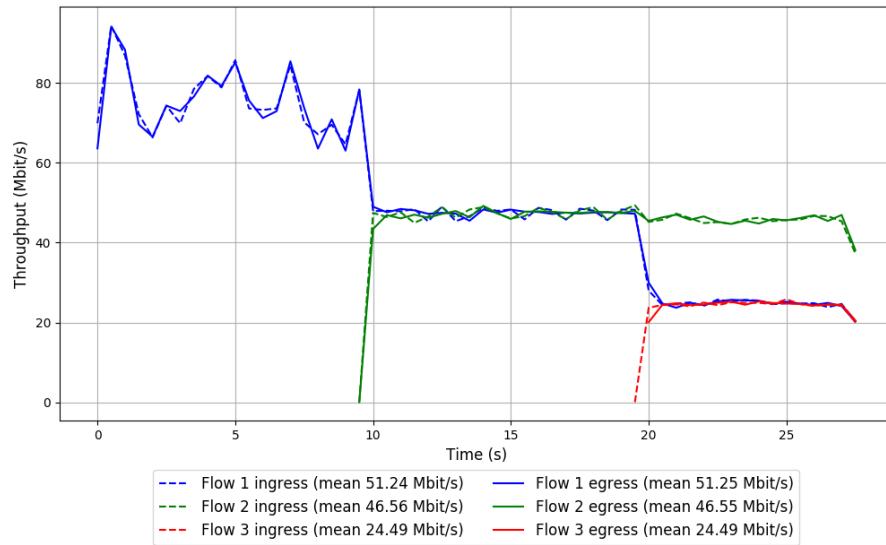


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-11-16 08:27:03
End at: 2017-11-16 08:27:33
Local clock offset: -0.592 ms
Remote clock offset: -21.826 ms

# Below is generated by plot.py at 2017-11-16 14:44:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 70.253 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 51.25 Mbit/s
95th percentile per-packet one-way delay: 69.694 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 54.186 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 74.207 ms
Loss rate: 0.75%
```

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

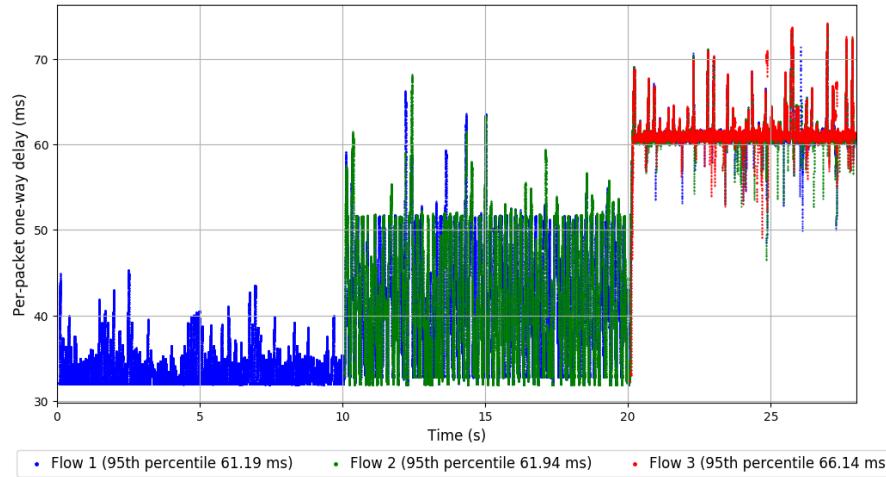
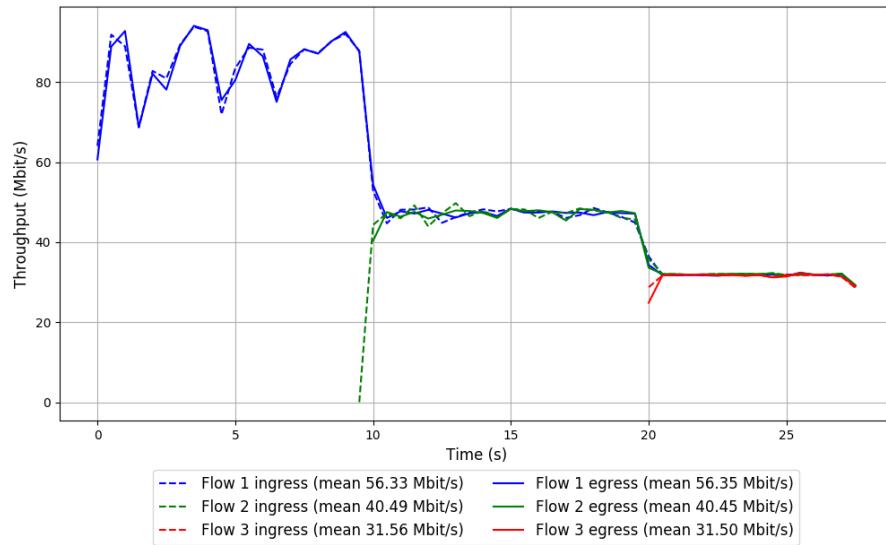


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-11-16 08:54:46
End at: 2017-11-16 08:55:16
Local clock offset: 2.743 ms
Remote clock offset: -16.739 ms

# Below is generated by plot.py at 2017-11-16 14:44:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 61.668 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 61.186 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 61.940 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 66.143 ms
Loss rate: 0.69%
```

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

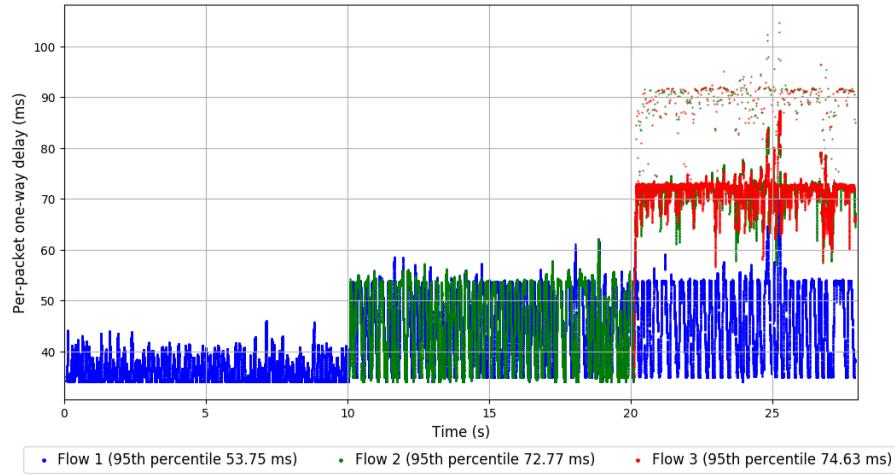
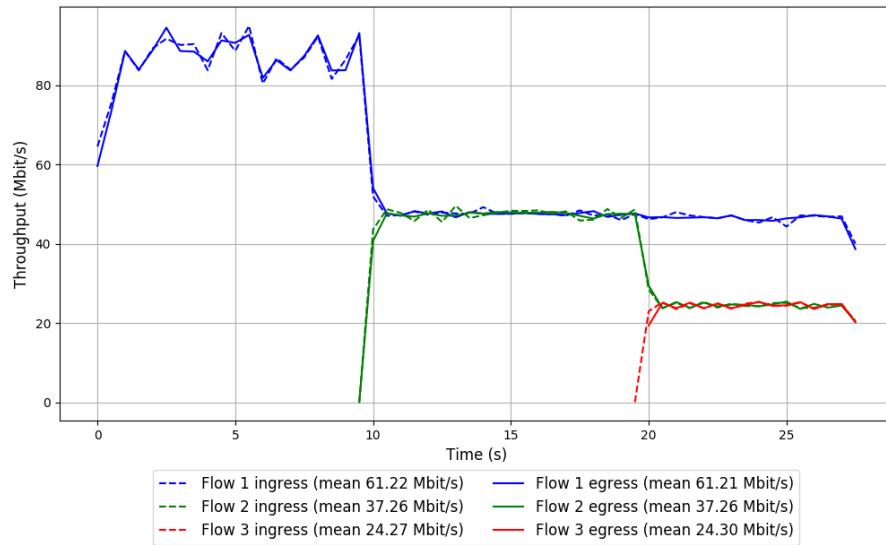


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-11-16 09:24:46
End at: 2017-11-16 09:25:16
Local clock offset: 4.693 ms
Remote clock offset: -18.441 ms

# Below is generated by plot.py at 2017-11-16 14:44:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 72.559 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 61.21 Mbit/s
95th percentile per-packet one-way delay: 53.754 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 72.768 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 74.631 ms
Loss rate: 0.95%
```

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

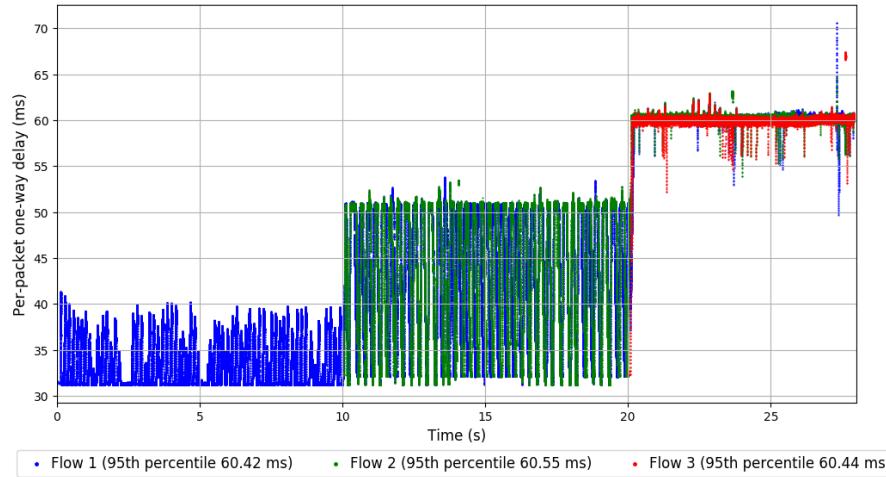
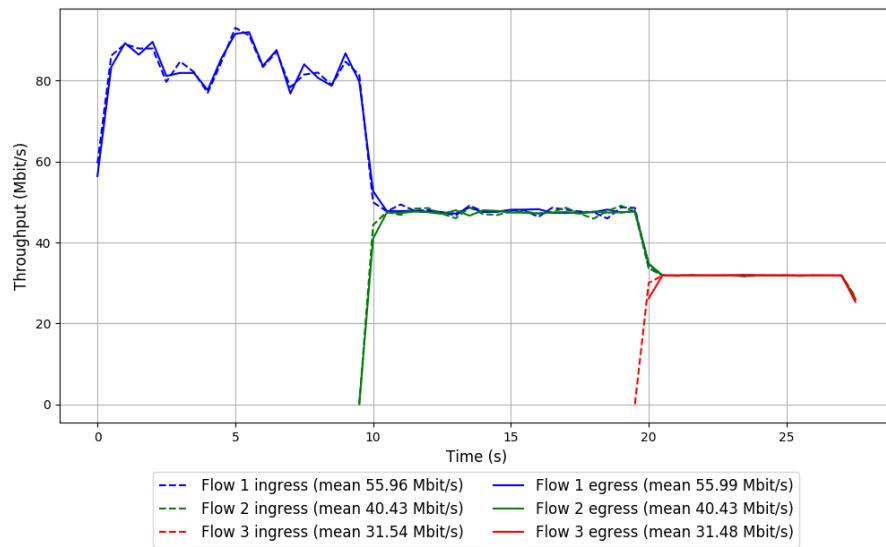


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-11-16 09:45:26
End at: 2017-11-16 09:45:56
Local clock offset: 1.097 ms
Remote clock offset: -16.914 ms

# Below is generated by plot.py at 2017-11-16 14:44:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 60.471 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 60.425 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 60.545 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 60.441 ms
Loss rate: 0.86%
```

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

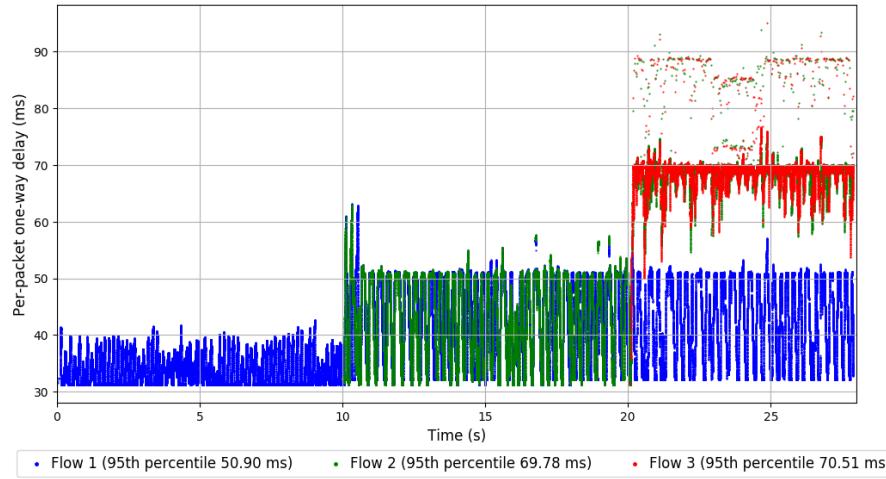
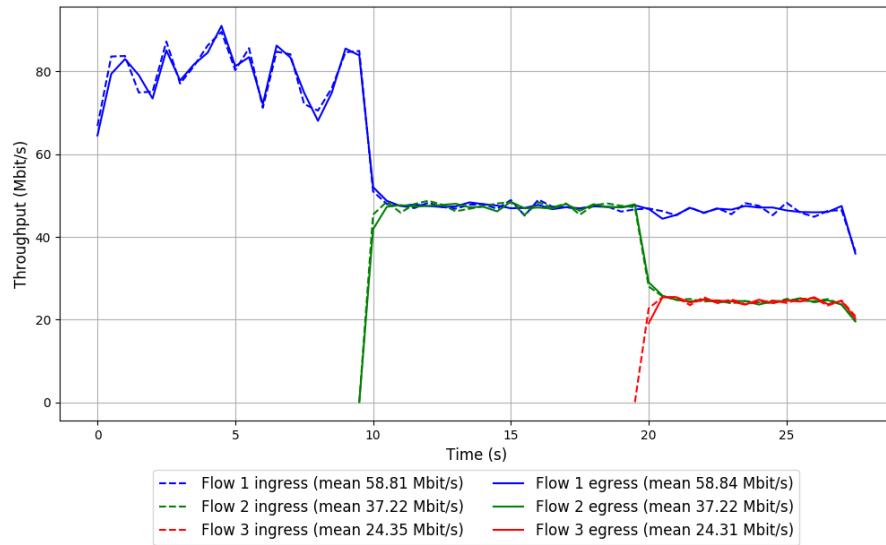


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-11-16 10:05:16
End at: 2017-11-16 10:05:46
Local clock offset: 2.492 ms
Remote clock offset: -16.136 ms

# Below is generated by plot.py at 2017-11-16 14:44:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.63 Mbit/s
95th percentile per-packet one-way delay: 69.628 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 69.776 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 70.508 ms
Loss rate: 0.96%
```

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

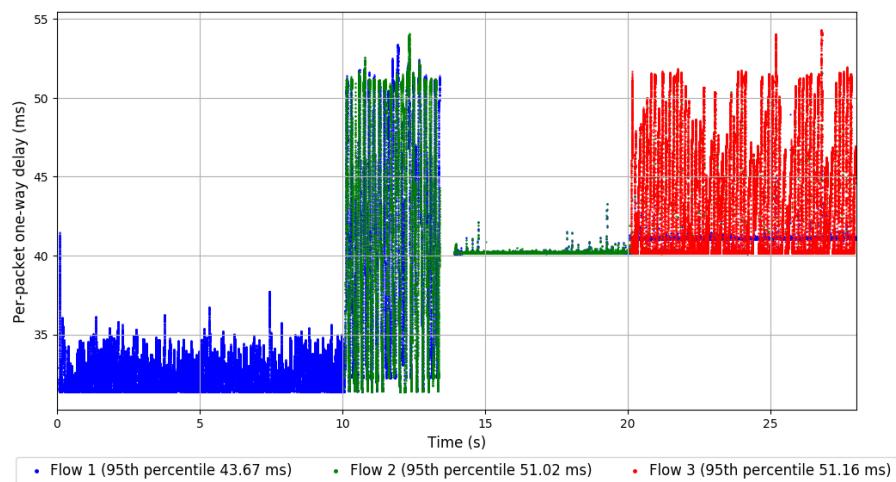
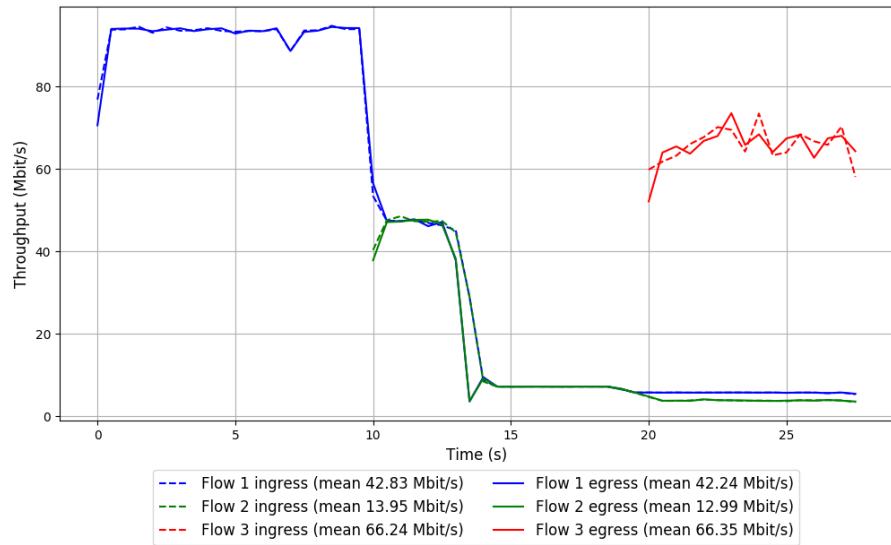


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-11-16 10:27:28
End at: 2017-11-16 10:27:58
Local clock offset: 4.306 ms
Remote clock offset: -16.833 ms

# Below is generated by plot.py at 2017-11-16 14:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 50.755 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 42.24 Mbit/s
95th percentile per-packet one-way delay: 43.673 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 51.023 ms
Loss rate: 6.96%
-- Flow 3:
Average throughput: 66.35 Mbit/s
95th percentile per-packet one-way delay: 51.164 ms
Loss rate: 0.23%
```

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

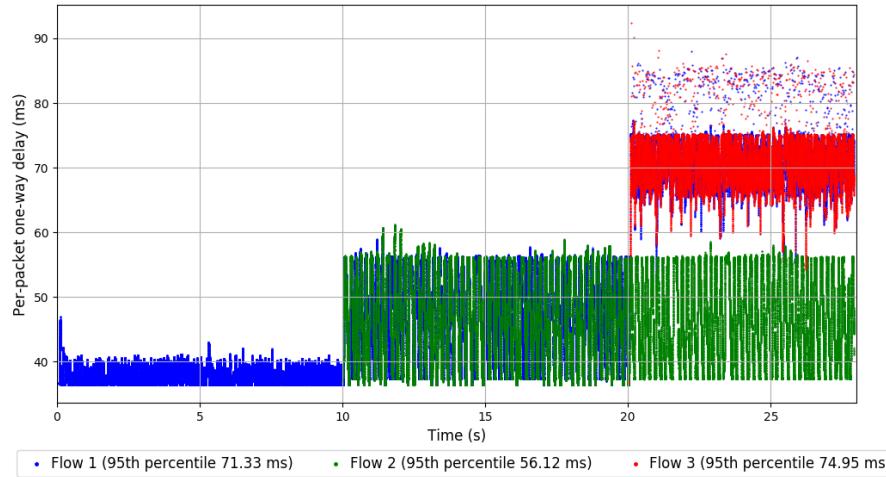
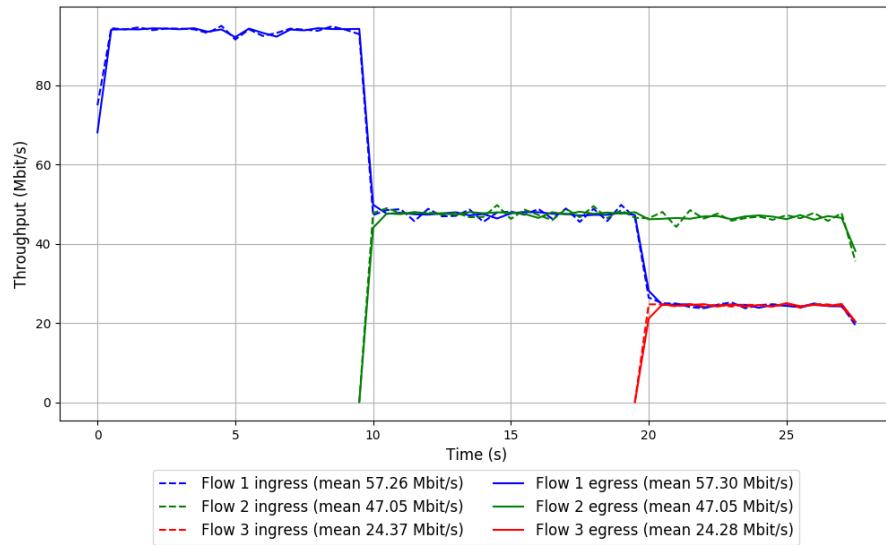


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-11-16 10:46:42
End at: 2017-11-16 10:47:12
Local clock offset: 3.904 ms
Remote clock offset: -18.228 ms

# Below is generated by plot.py at 2017-11-16 14:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 72.036 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 71.334 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 56.121 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 74.947 ms
Loss rate: 0.74%
```

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

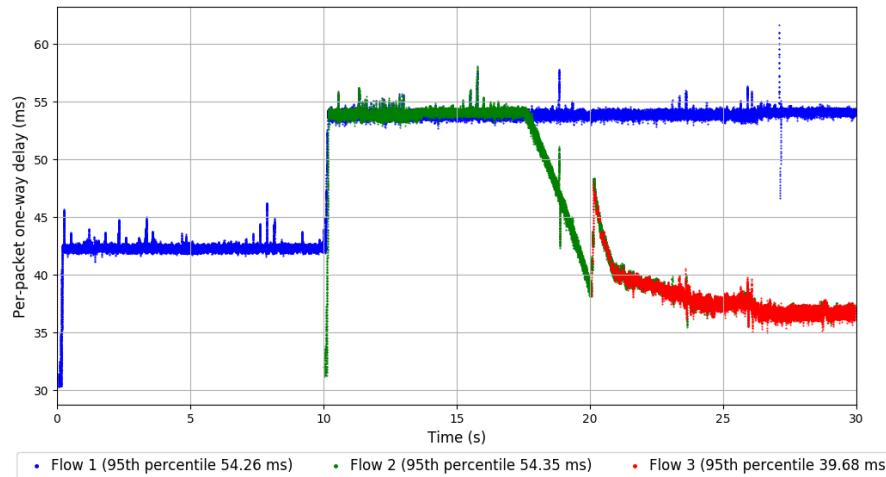
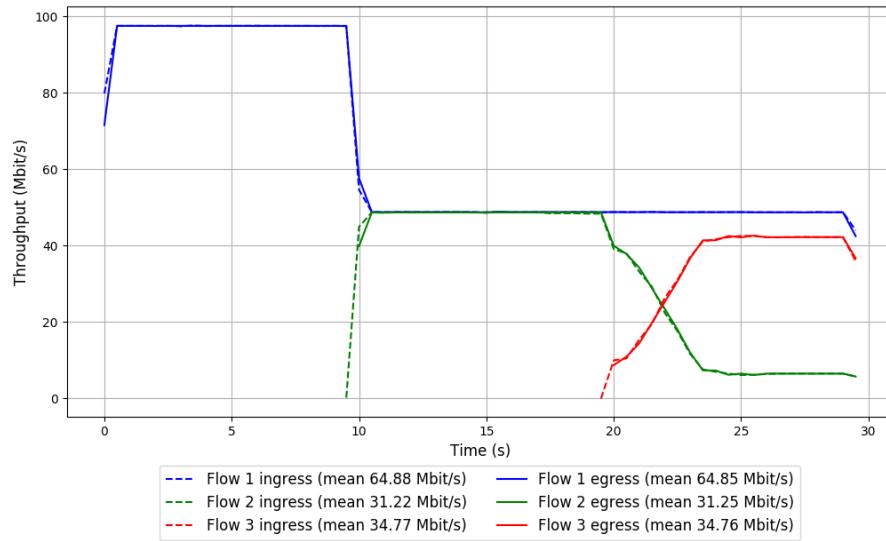


Run 1: Statistics of TCP Vegas

```
Start at: 2017-11-16 07:26:55
End at: 2017-11-16 07:27:25
Local clock offset: 0.879 ms
Remote clock offset: -18.213 ms

# Below is generated by plot.py at 2017-11-16 14:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 54.287 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 54.264 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 54.354 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 39.682 ms
Loss rate: 0.36%
```

Run 1: Report of TCP Vegas — Data Link

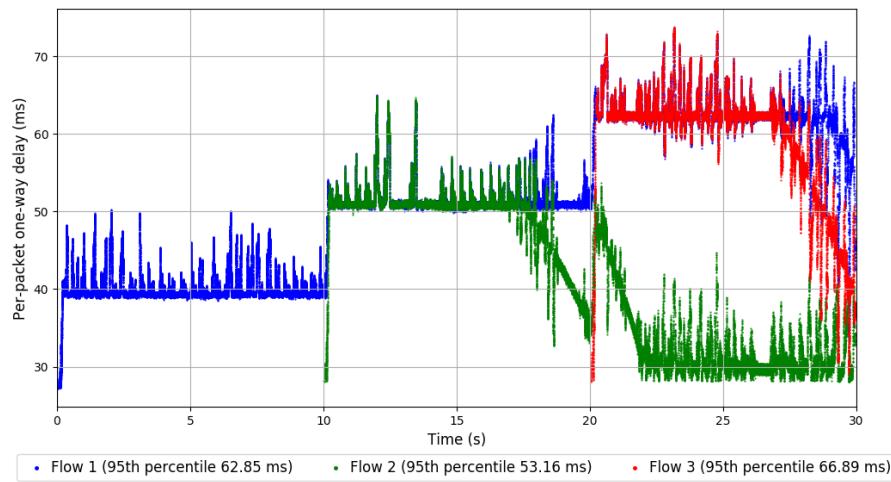
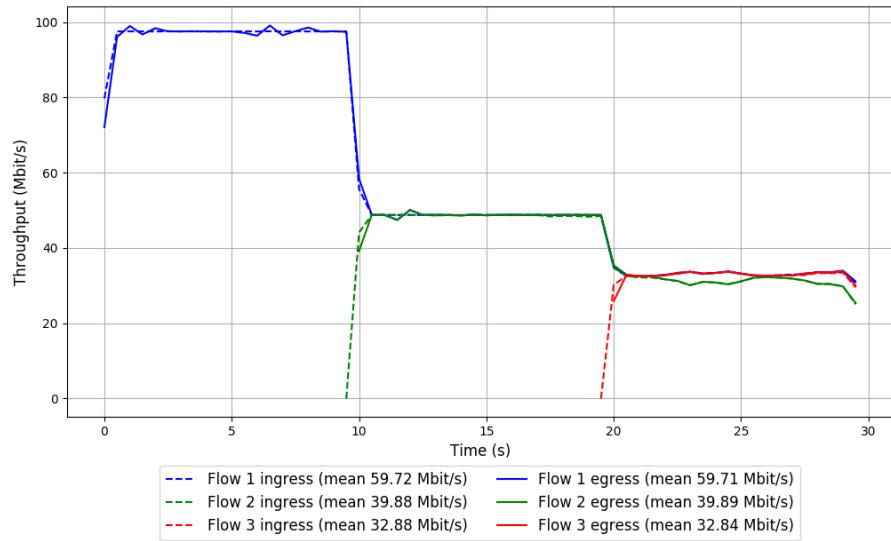


Run 2: Statistics of TCP Vegas

```
Start at: 2017-11-16 07:45:54
End at: 2017-11-16 07:46:24
Local clock offset: -1.593 ms
Remote clock offset: -17.154 ms

# Below is generated by plot.py at 2017-11-16 14:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 63.128 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 62.847 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 53.162 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 66.893 ms
Loss rate: 0.35%
```

Run 2: Report of TCP Vegas — Data Link

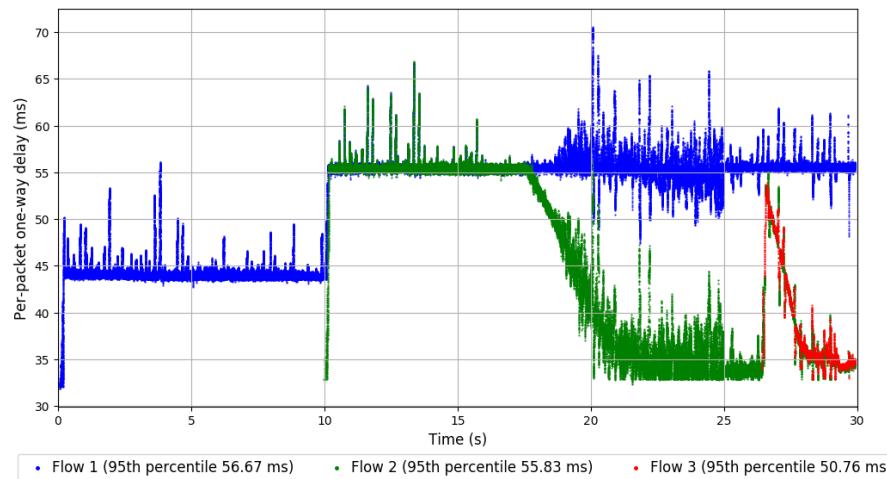
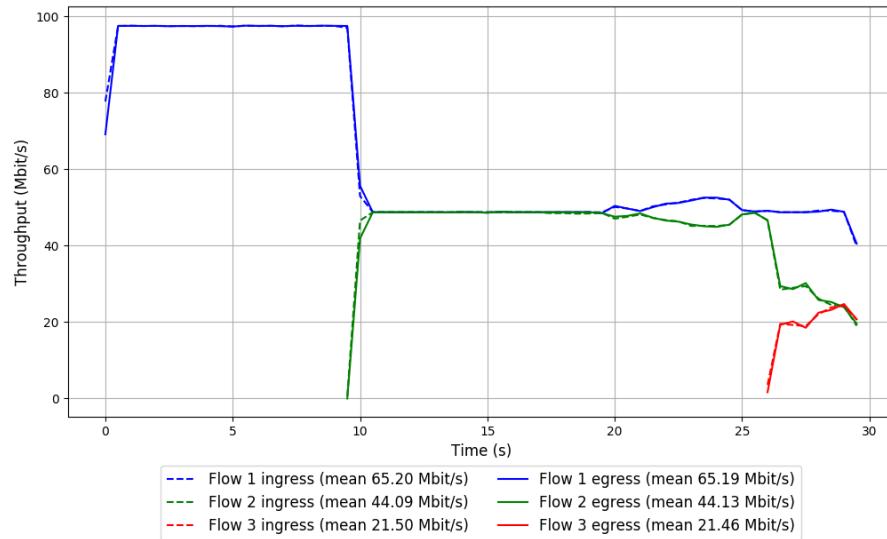


Run 3: Statistics of TCP Vegas

```
Start at: 2017-11-16 08:10:04
End at: 2017-11-16 08:10:35
Local clock offset: 0.358 ms
Remote clock offset: -19.096 ms

# Below is generated by plot.py at 2017-11-16 14:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 56.268 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 65.19 Mbit/s
95th percentile per-packet one-way delay: 56.673 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 55.825 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 50.764 ms
Loss rate: 0.91%
```

Run 3: Report of TCP Vegas — Data Link

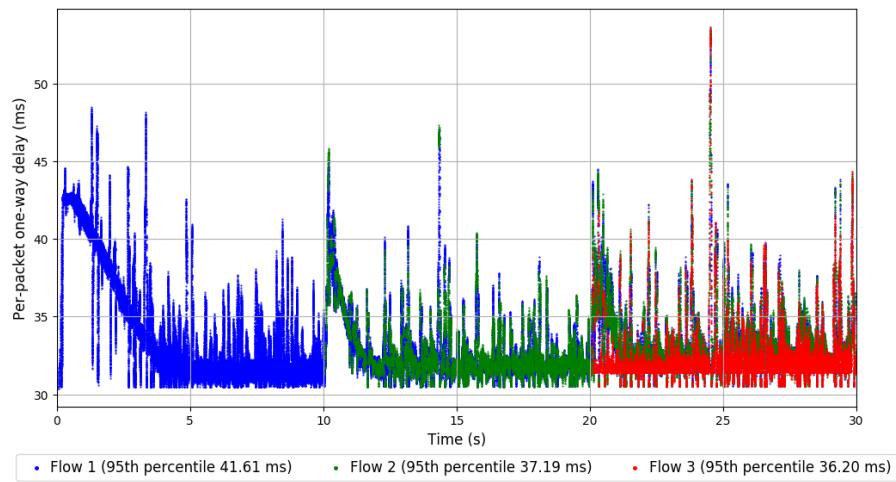
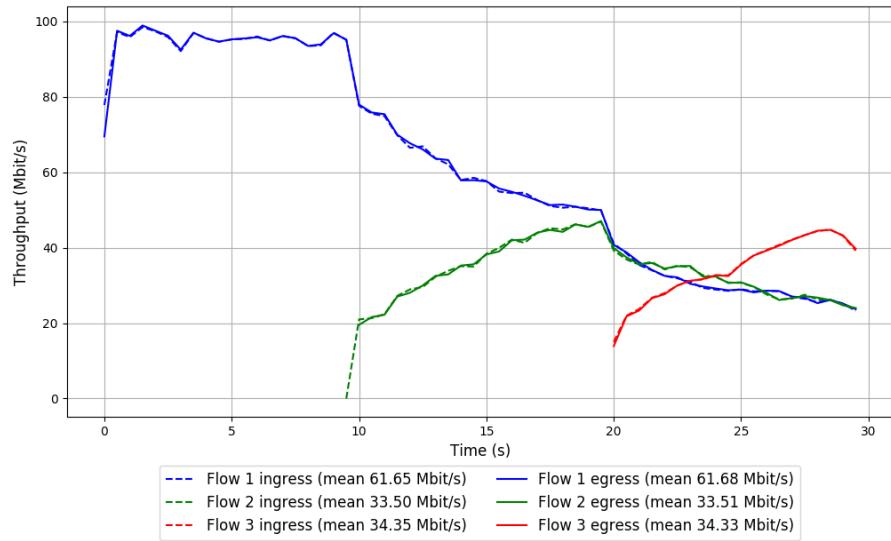


Run 4: Statistics of TCP Vegas

```
Start at: 2017-11-16 08:38:16
End at: 2017-11-16 08:38:46
Local clock offset: -1.017 ms
Remote clock offset: -19.114 ms

# Below is generated by plot.py at 2017-11-16 14:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 40.523 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 41.614 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 37.190 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 36.199 ms
Loss rate: 0.34%
```

Run 4: Report of TCP Vegas — Data Link

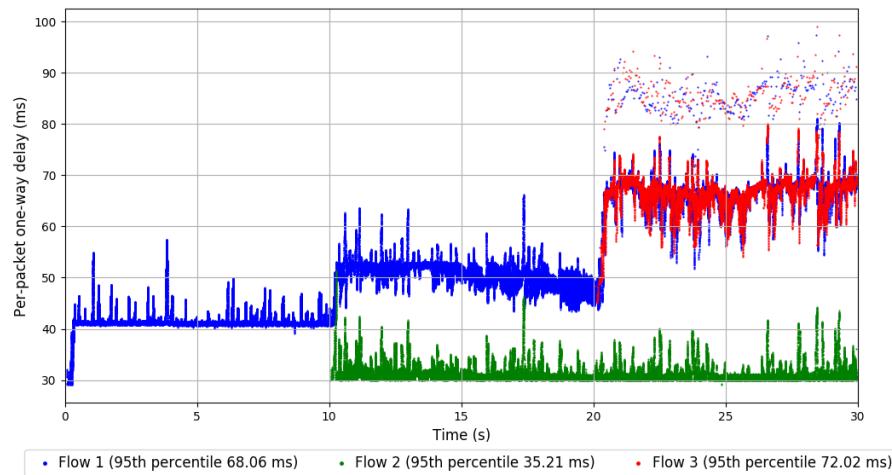
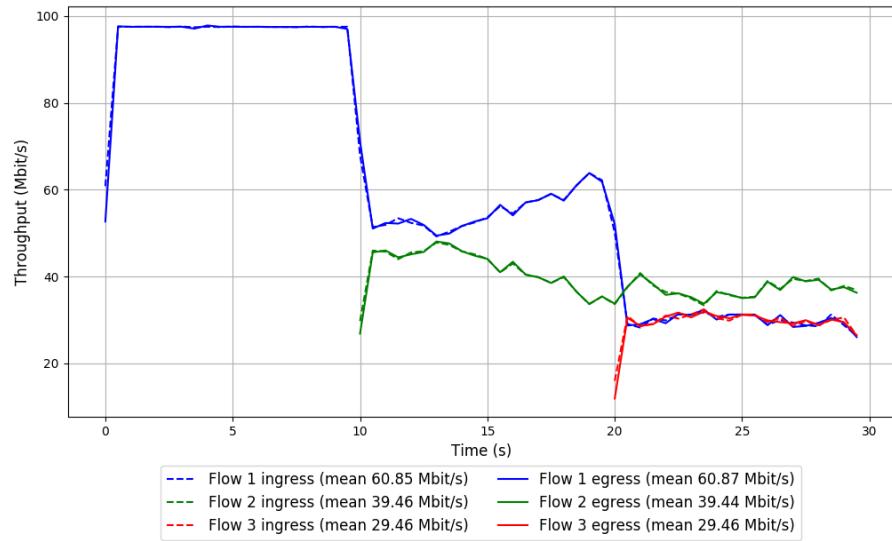


Run 5: Statistics of TCP Vegas

```
Start at: 2017-11-16 09:06:31
End at: 2017-11-16 09:07:01
Local clock offset: 0.289 ms
Remote clock offset: -17.036 ms

# Below is generated by plot.py at 2017-11-16 14:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 68.390 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 60.87 Mbit/s
95th percentile per-packet one-way delay: 68.061 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 35.214 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 72.021 ms
Loss rate: 0.75%
```

Run 5: Report of TCP Vegas — Data Link

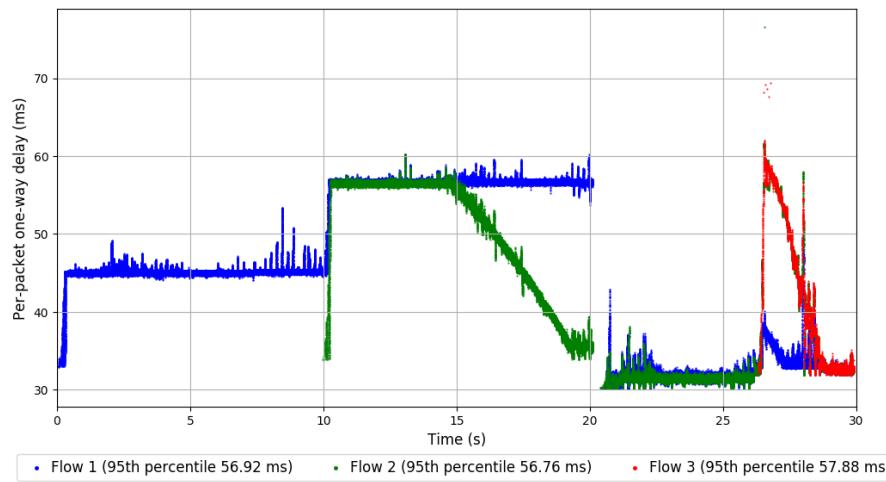
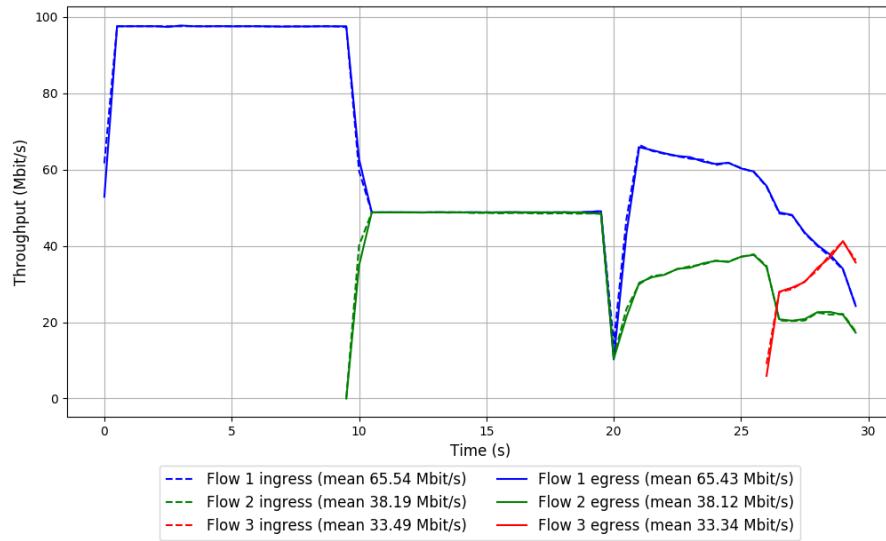


Run 6: Statistics of TCP Vegas

```
Start at: 2017-11-16 09:33:08
End at: 2017-11-16 09:33:38
Local clock offset: 3.135 ms
Remote clock offset: -17.176 ms

# Below is generated by plot.py at 2017-11-16 14:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 56.897 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 56.918 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 56.758 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 57.885 ms
Loss rate: 1.42%
```

Run 6: Report of TCP Vegas — Data Link

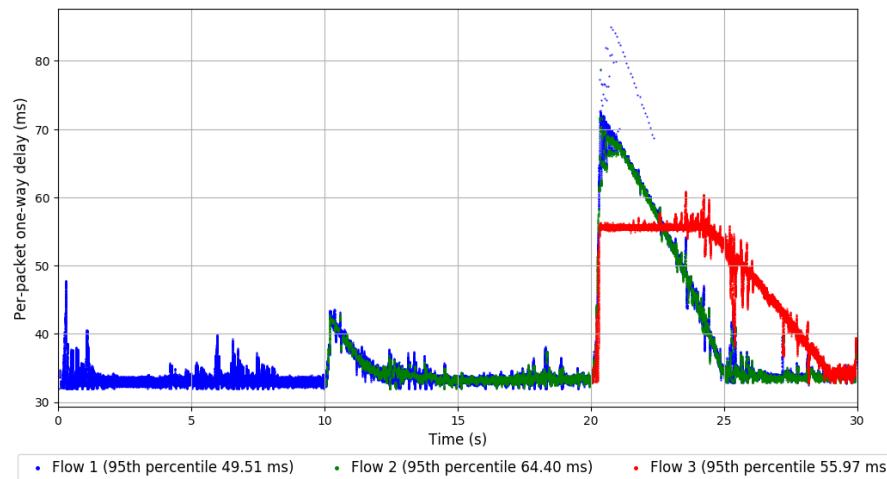
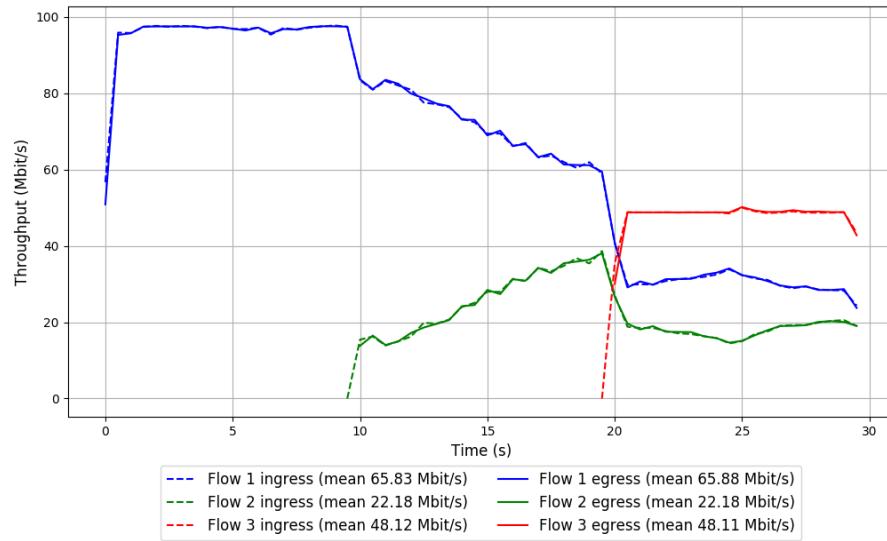


Run 7: Statistics of TCP Vegas

```
Start at: 2017-11-16 09:52:18
End at: 2017-11-16 09:52:48
Local clock offset: 2.008 ms
Remote clock offset: -16.771 ms

# Below is generated by plot.py at 2017-11-16 14:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 55.953 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 49.509 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 64.404 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 48.11 Mbit/s
95th percentile per-packet one-way delay: 55.967 ms
Loss rate: 0.42%
```

Run 7: Report of TCP Vegas — Data Link

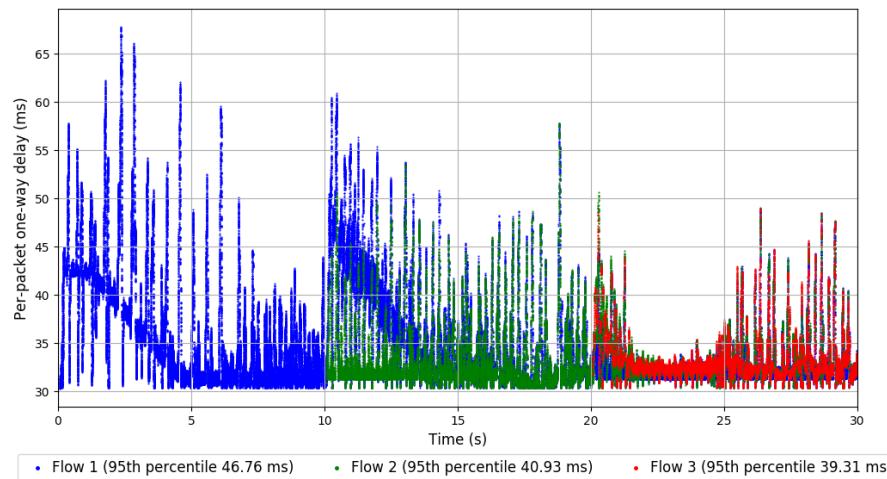
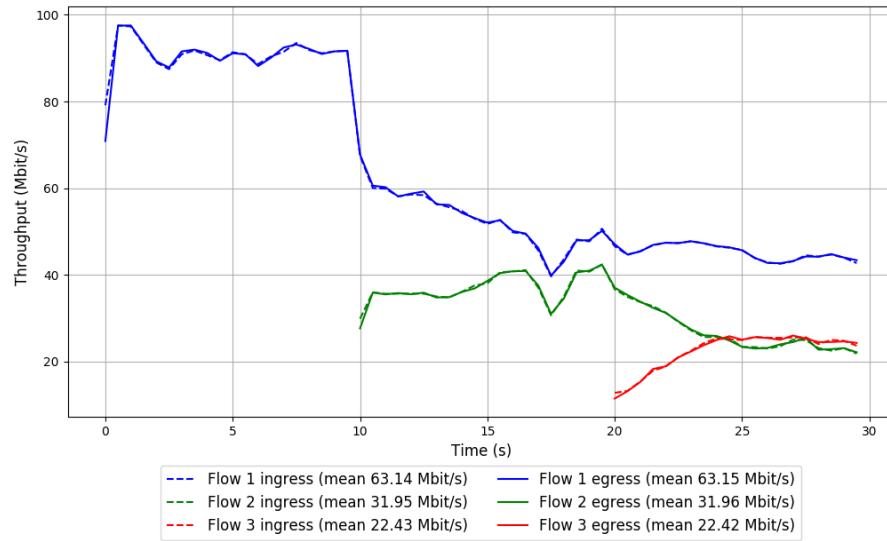


Run 8: Statistics of TCP Vegas

```
Start at: 2017-11-16 10:14:36
End at: 2017-11-16 10:15:06
Local clock offset: 1.674 ms
Remote clock offset: -19.039 ms

# Below is generated by plot.py at 2017-11-16 14:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 45.046 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.15 Mbit/s
95th percentile per-packet one-way delay: 46.760 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 40.928 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 39.311 ms
Loss rate: 0.28%
```

Run 8: Report of TCP Vegas — Data Link

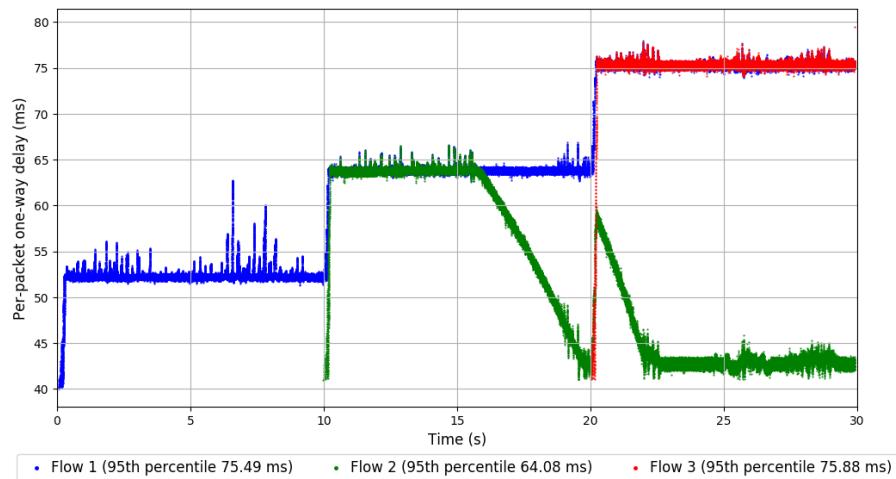
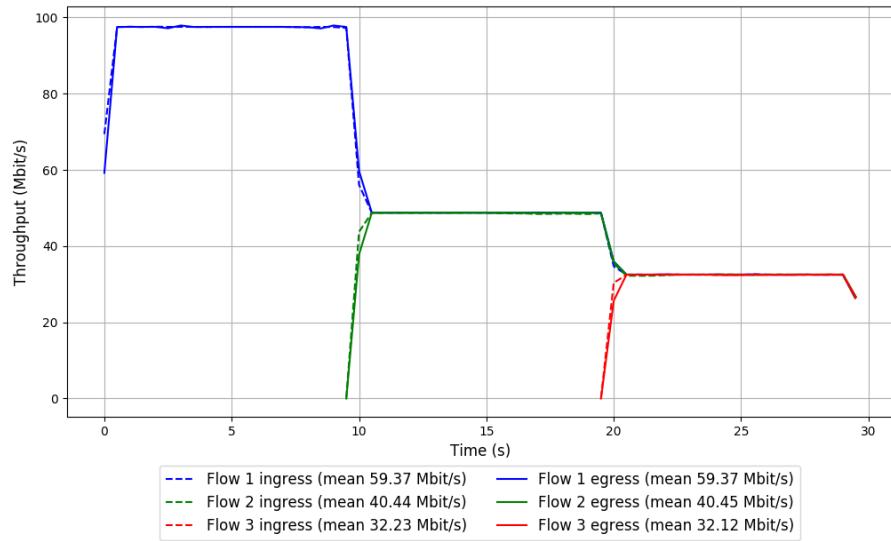


Run 9: Statistics of TCP Vegas

```
Start at: 2017-11-16 10:34:40
End at: 2017-11-16 10:35:10
Local clock offset: 3.055 ms
Remote clock offset: -17.42 ms

# Below is generated by plot.py at 2017-11-16 14:47:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 75.590 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 75.492 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 64.084 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 75.878 ms
Loss rate: 0.68%
```

Run 9: Report of TCP Vegas — Data Link

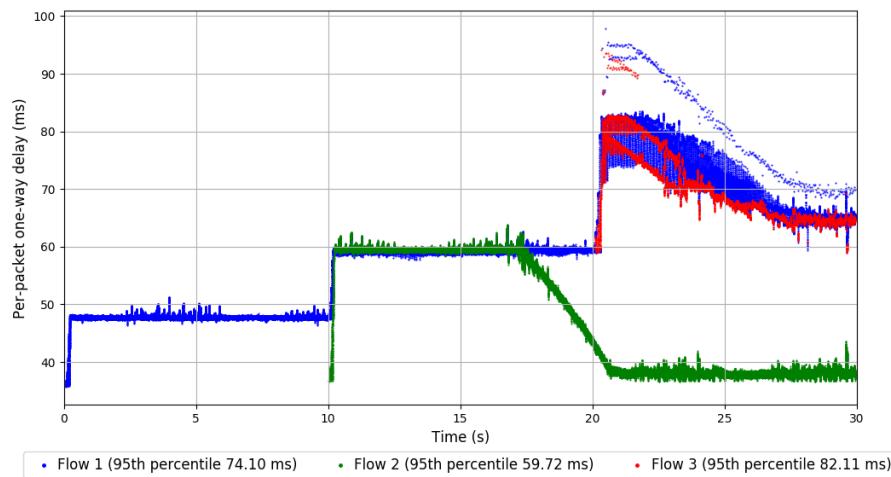
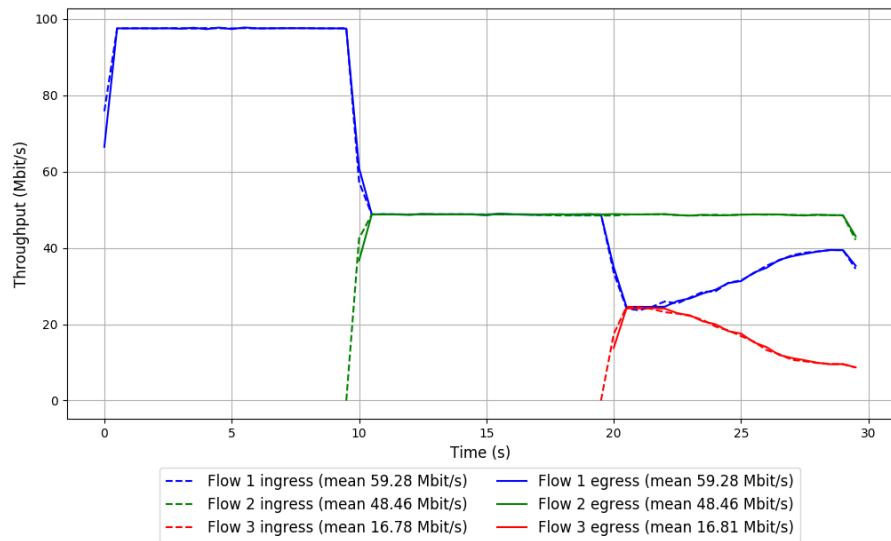


Run 10: Statistics of TCP Vegas

```
Start at: 2017-11-16 10:53:44
End at: 2017-11-16 10:54:14
Local clock offset: 3.441 ms
Remote clock offset: -18.505 ms

# Below is generated by plot.py at 2017-11-16 14:47:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 73.970 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 74.099 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 59.718 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 82.108 ms
Loss rate: 0.33%
```

Run 10: Report of TCP Vegas — Data Link

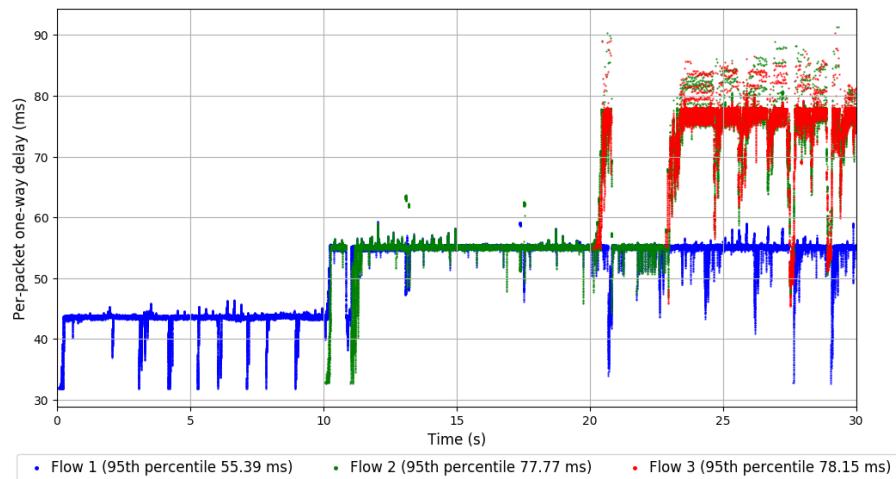
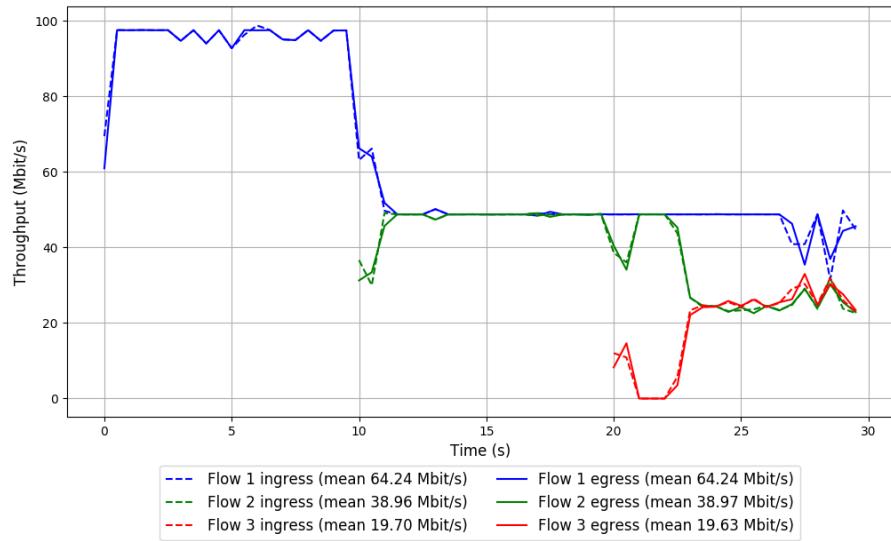


Run 1: Statistics of Verus

```
Start at: 2017-11-16 07:20:22
End at: 2017-11-16 07:20:52
Local clock offset: 3.979 ms
Remote clock offset: -16.772 ms

# Below is generated by plot.py at 2017-11-16 14:47:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 77.469 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 55.393 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 77.773 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 78.146 ms
Loss rate: 0.82%
```

Run 1: Report of Verus — Data Link

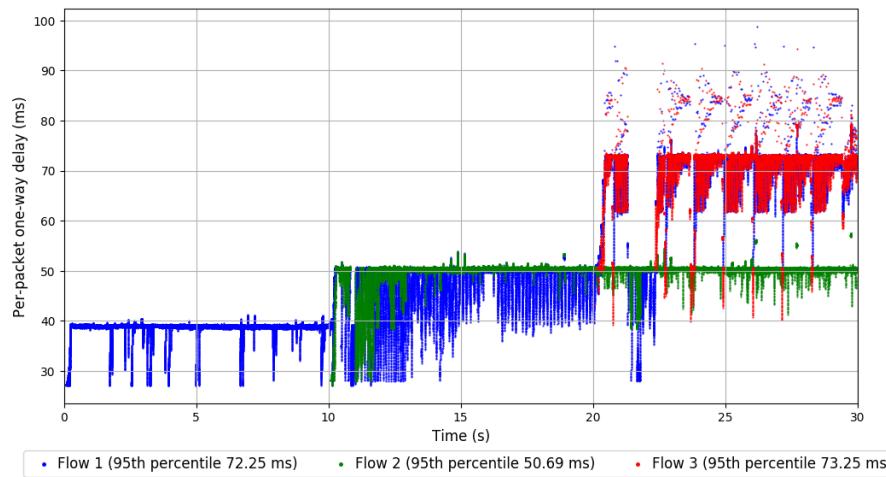
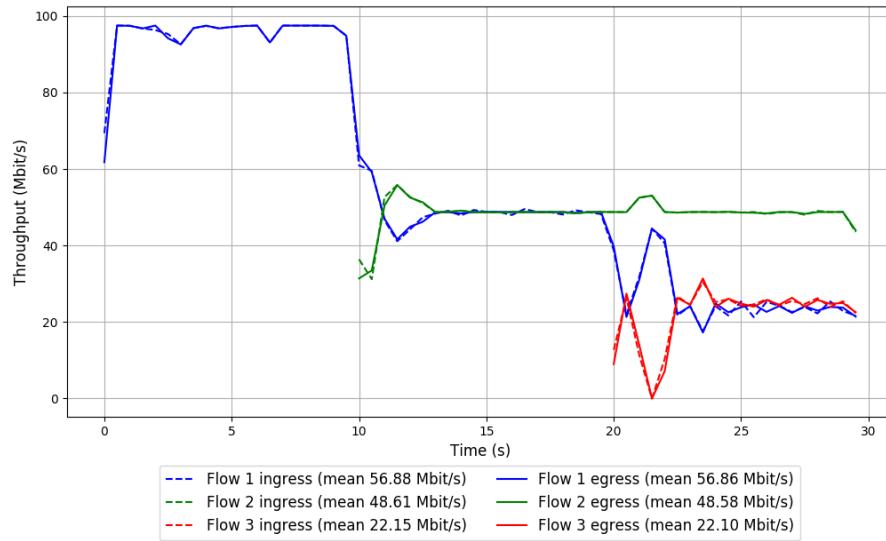


Run 2: Statistics of Verus

```
Start at: 2017-11-16 07:40:58
End at: 2017-11-16 07:41:28
Local clock offset: -1.855 ms
Remote clock offset: -17.25 ms

# Below is generated by plot.py at 2017-11-16 14:47:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 72.675 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 72.254 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 50.689 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 73.255 ms
Loss rate: 0.77%
```

Run 2: Report of Verus — Data Link

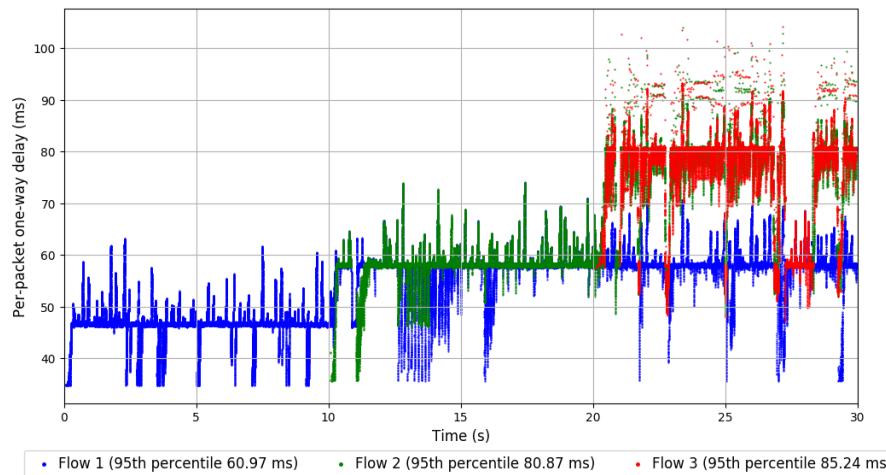
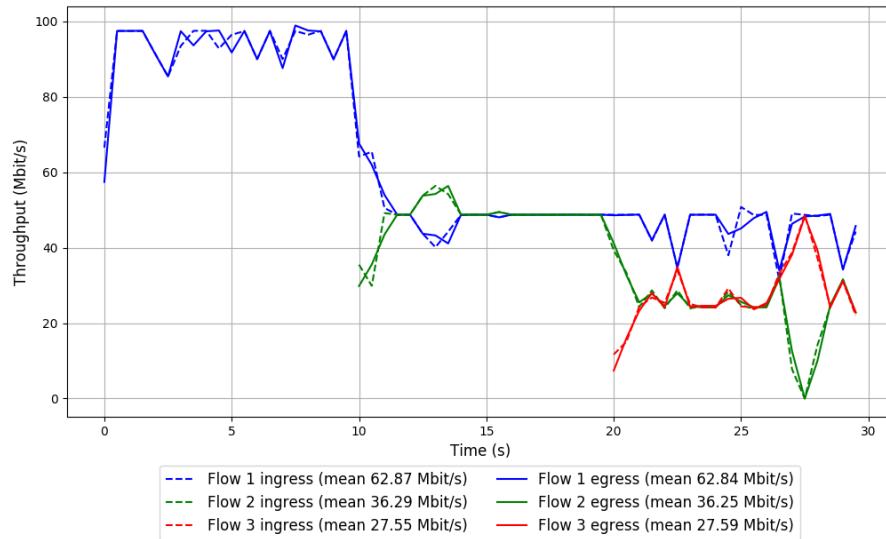


Run 3: Statistics of Verus

```
Start at: 2017-11-16 08:02:29
End at: 2017-11-16 08:02:59
Local clock offset: 2.055 ms
Remote clock offset: -19.688 ms

# Below is generated by plot.py at 2017-11-16 14:47:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 80.579 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 60.968 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 80.871 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 85.237 ms
Loss rate: 0.64%
```

Run 3: Report of Verus — Data Link

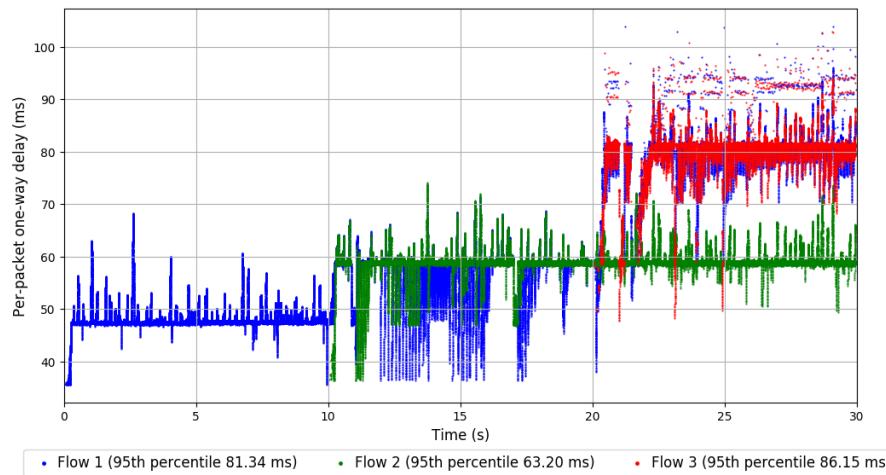
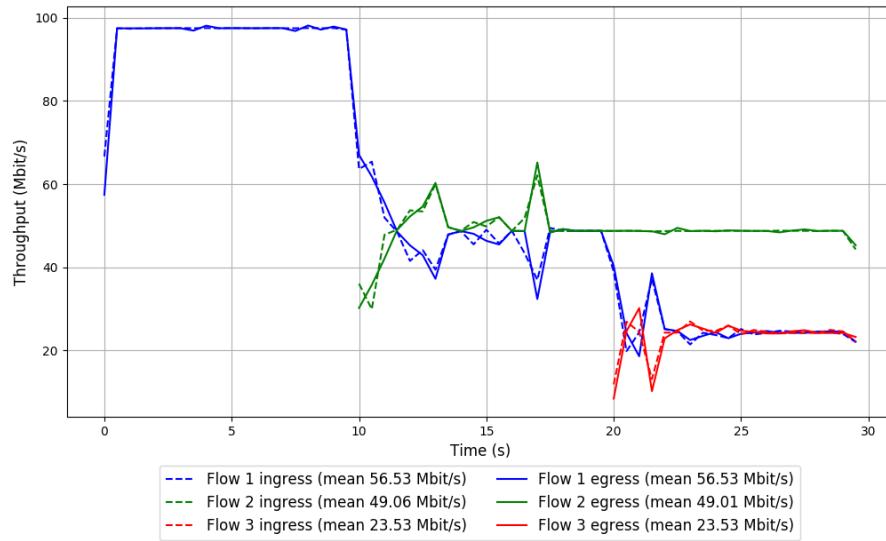


Run 4: Statistics of Verus

```
Start at: 2017-11-16 08:29:24
End at: 2017-11-16 08:29:54
Local clock offset: 1.849 ms
Remote clock offset: -21.897 ms

# Below is generated by plot.py at 2017-11-16 14:48:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 81.413 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 81.337 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 63.198 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 86.150 ms
Loss rate: 0.69%
```

Run 4: Report of Verus — Data Link

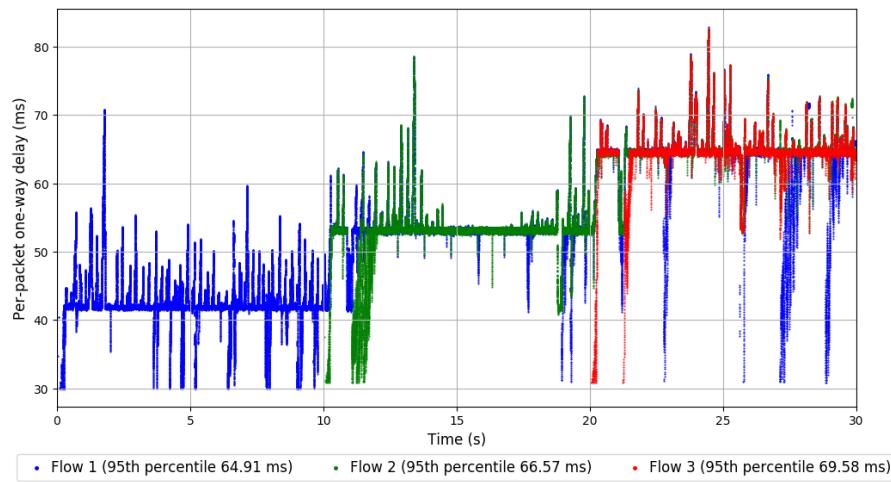
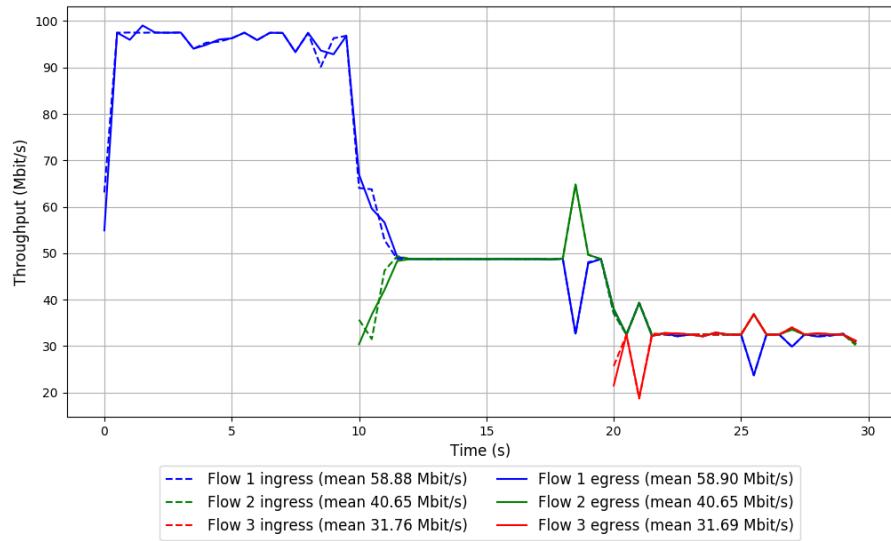


Run 5: Statistics of Verus

```
Start at: 2017-11-16 08:57:56
End at: 2017-11-16 08:58:26
Local clock offset: 0.756 ms
Remote clock offset: -16.907 ms

# Below is generated by plot.py at 2017-11-16 14:48:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 65.798 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 64.914 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 66.572 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 69.578 ms
Loss rate: 0.61%
```

Run 5: Report of Verus — Data Link

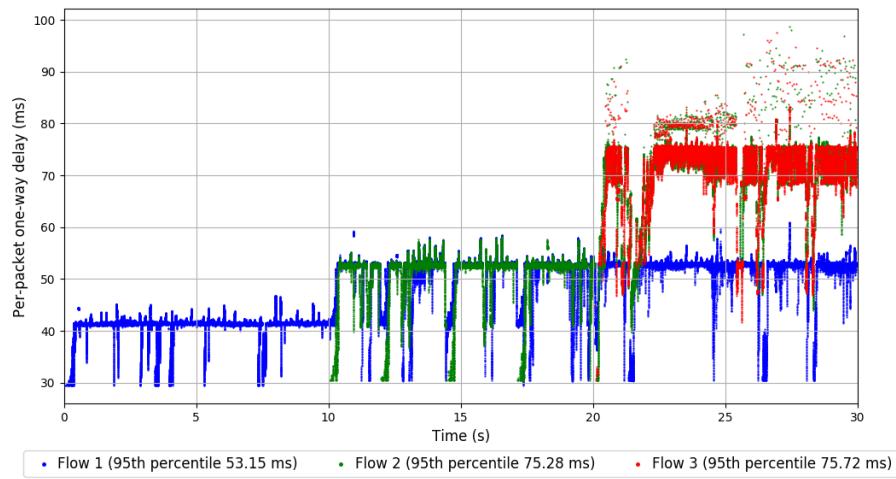
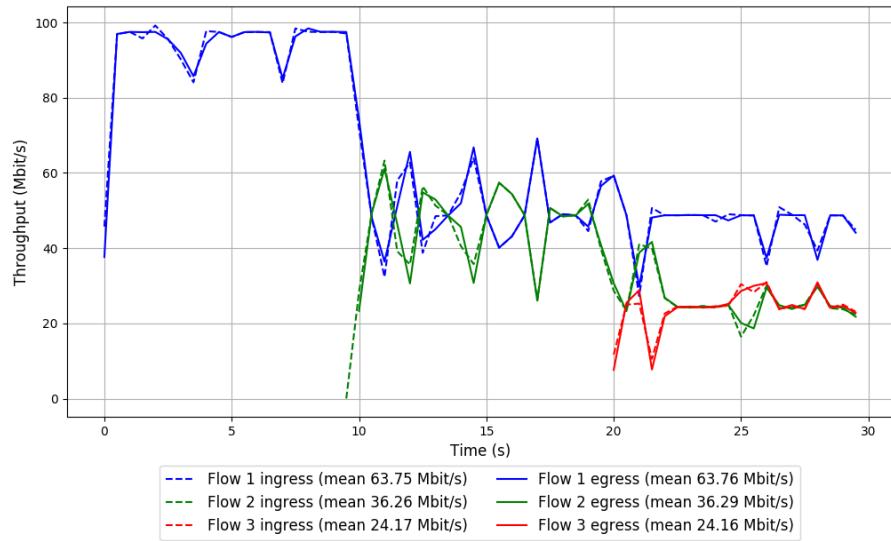


Run 6: Statistics of Verus

```
Start at: 2017-11-16 09:26:34
End at: 2017-11-16 09:27:04
Local clock offset: 0.836 ms
Remote clock offset: -17.443 ms

# Below is generated by plot.py at 2017-11-16 14:48:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 74.406 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 63.76 Mbit/s
95th percentile per-packet one-way delay: 53.150 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 75.278 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 75.722 ms
Loss rate: 0.80%
```

Run 6: Report of Verus — Data Link

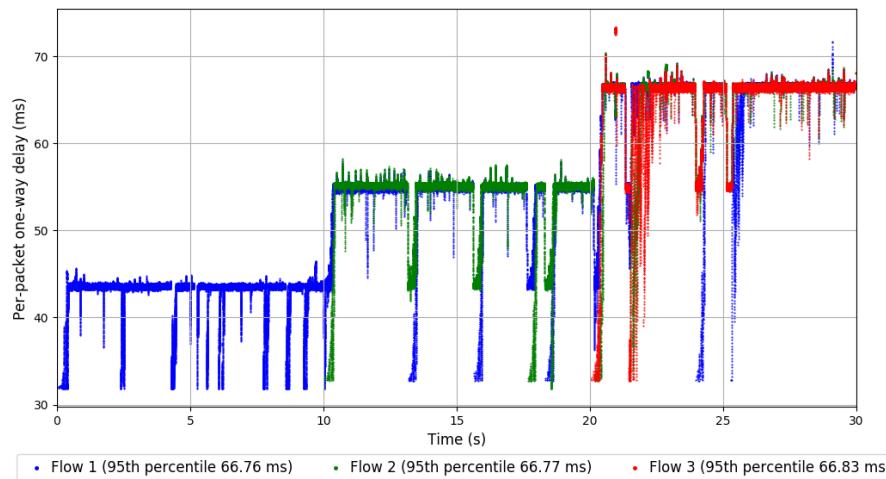
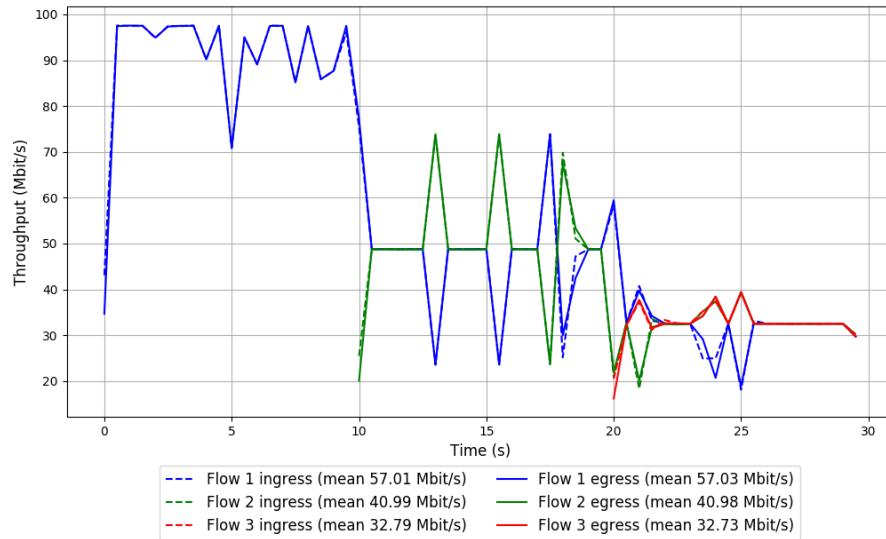


Run 7: Statistics of Verus

```
Start at: 2017-11-16 09:46:59
End at: 2017-11-16 09:47:29
Local clock offset: 0.681 ms
Remote clock offset: -17.936 ms

# Below is generated by plot.py at 2017-11-16 14:48:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 66.779 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 66.762 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 66.774 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 66.828 ms
Loss rate: 0.73%
```

Run 7: Report of Verus — Data Link

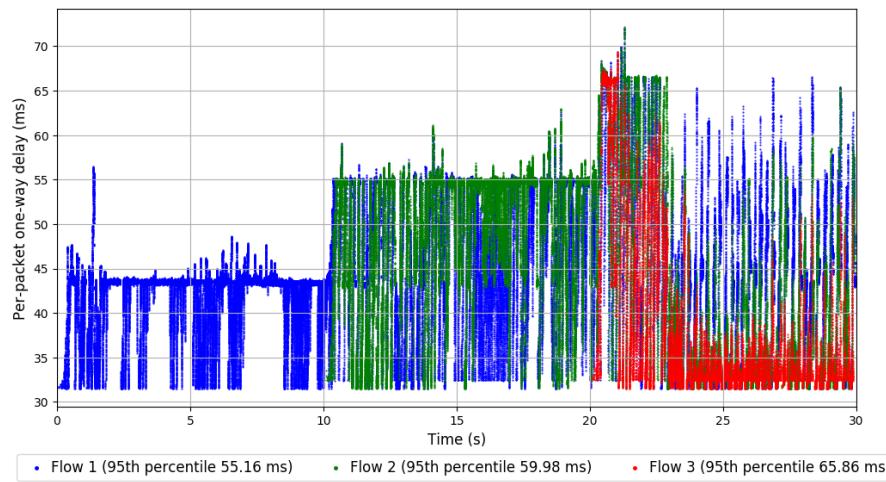
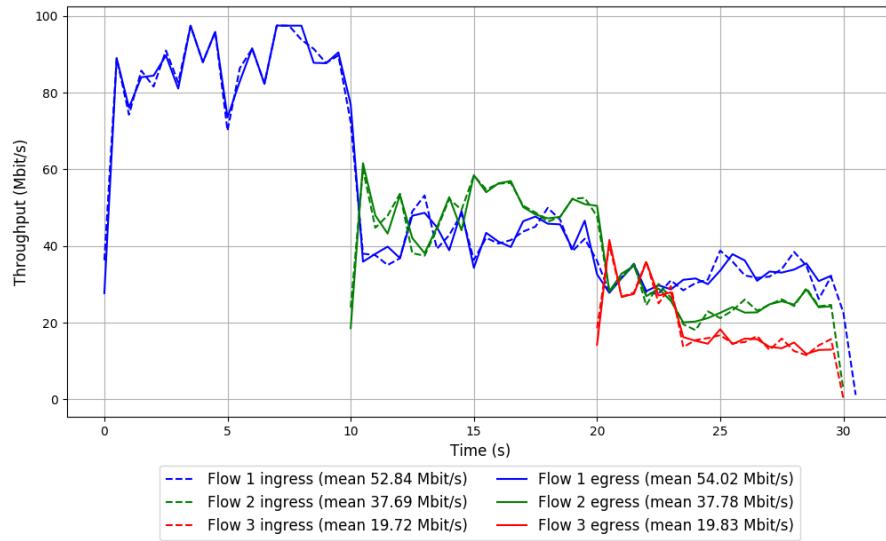


Run 8: Statistics of Verus

```
Start at: 2017-11-16 10:07:09
End at: 2017-11-16 10:07:39
Local clock offset: 1.576 ms
Remote clock offset: -17.304 ms

# Below is generated by plot.py at 2017-11-16 14:48:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 55.156 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 59.975 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 65.859 ms
Loss rate: 1.04%
```

Run 8: Report of Verus — Data Link

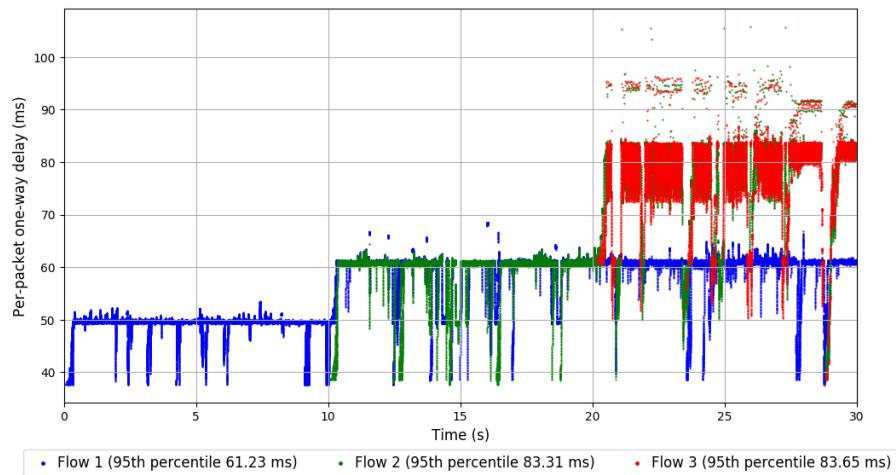
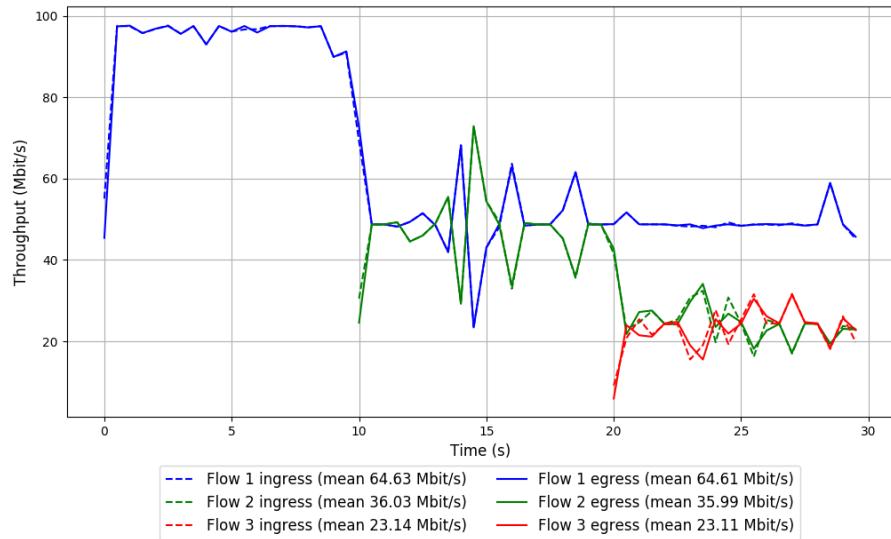


Run 9: Statistics of Verus

```
Start at: 2017-11-16 10:29:05
End at: 2017-11-16 10:29:35
Local clock offset: 1.46 ms
Remote clock offset: -17.028 ms

# Below is generated by plot.py at 2017-11-16 14:49:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 81.700 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 61.234 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 83.315 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 83.650 ms
Loss rate: 0.19%
```

Run 9: Report of Verus — Data Link

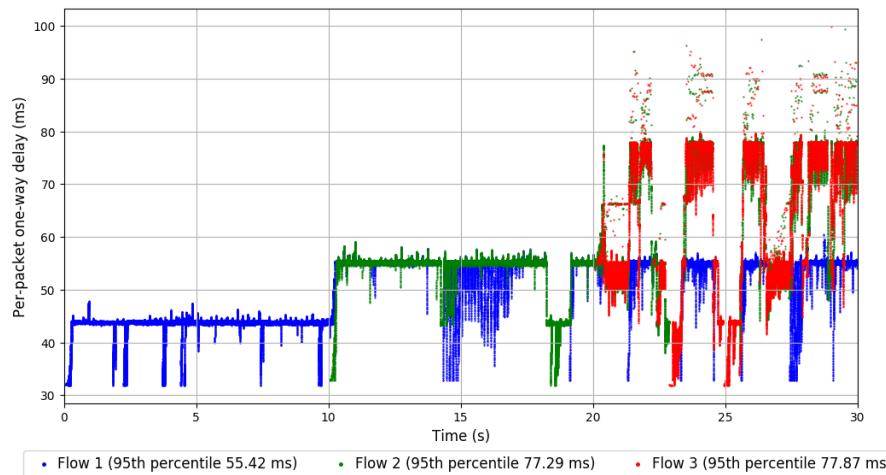
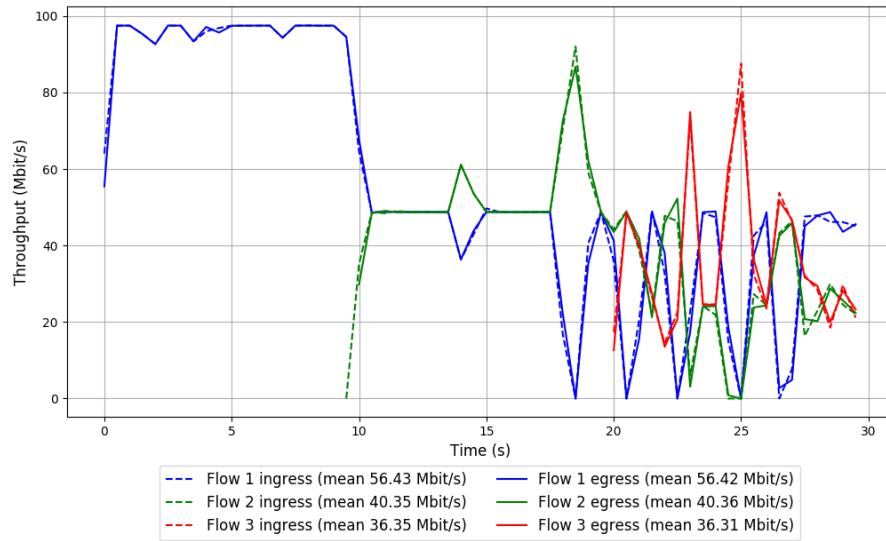


Run 10: Statistics of Verus

```
Start at: 2017-11-16 10:48:06
End at: 2017-11-16 10:48:36
Local clock offset: 1.638 ms
Remote clock offset: -15.97 ms

# Below is generated by plot.py at 2017-11-16 14:49:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 74.674 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 55.420 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 77.290 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 77.870 ms
Loss rate: 0.30%
```

Run 10: Report of Verus — Data Link

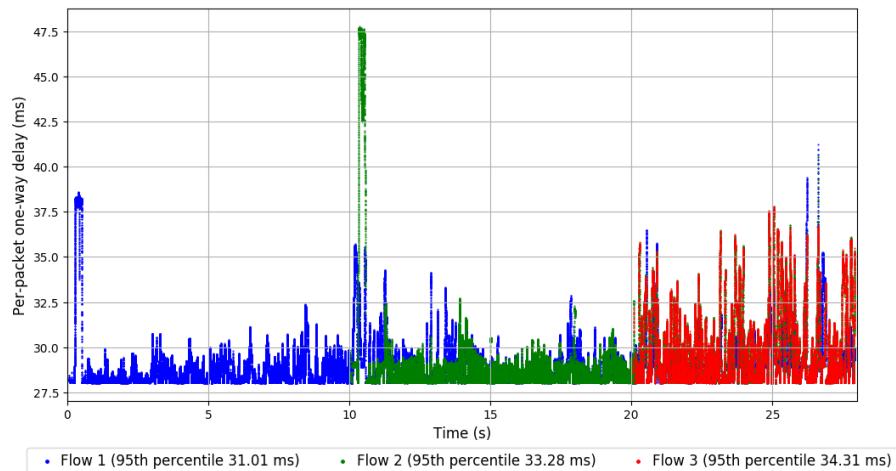
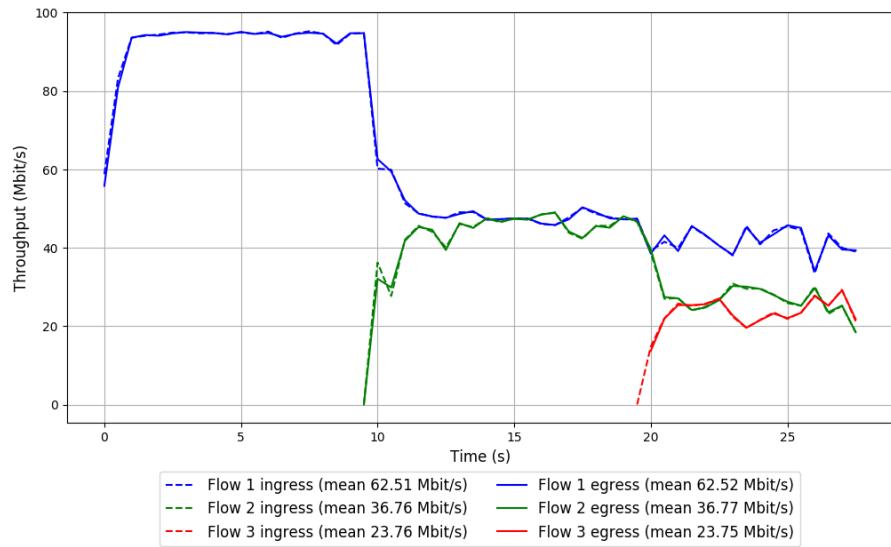


Run 1: Statistics of Copa

```
Start at: 2017-11-16 07:33:53
End at: 2017-11-16 07:34:23
Local clock offset: -0.195 ms
Remote clock offset: -16.502 ms

# Below is generated by plot.py at 2017-11-16 14:50:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 32.202 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.52 Mbit/s
95th percentile per-packet one-way delay: 31.010 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 33.284 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 34.306 ms
Loss rate: 0.34%
```

Run 1: Report of Copa — Data Link

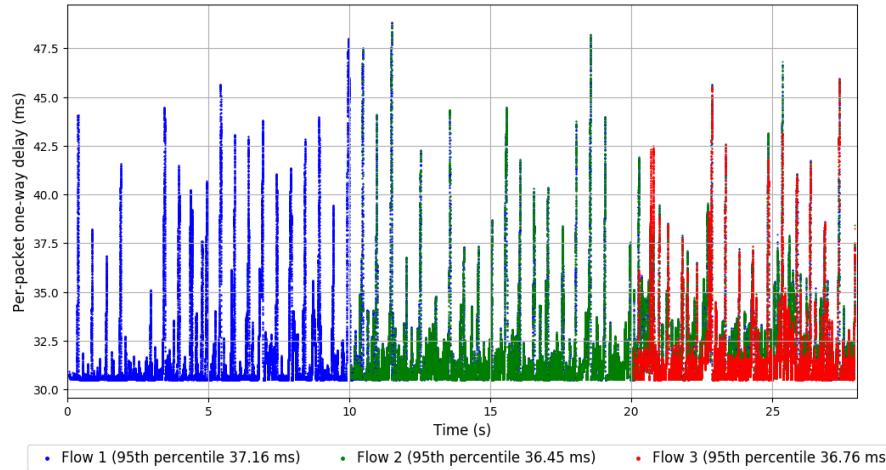
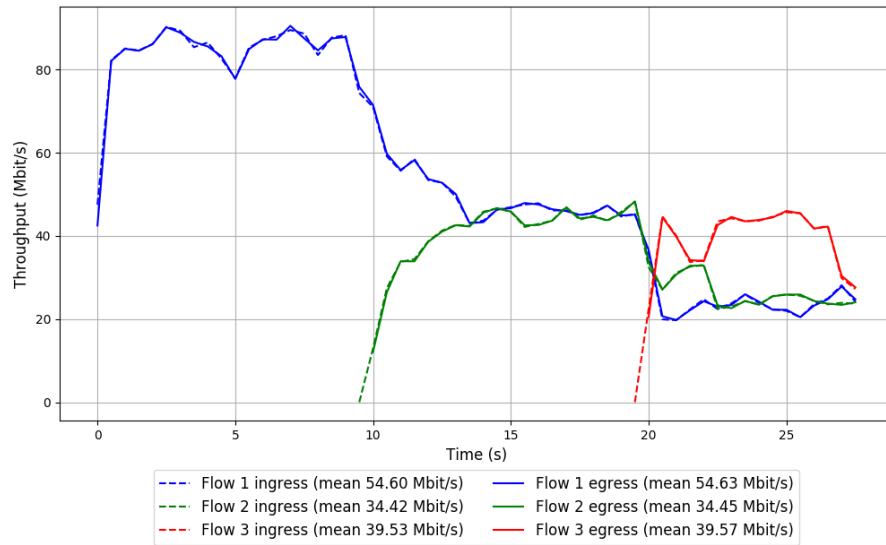


Run 2: Statistics of Copa

```
Start at: 2017-11-16 07:54:29
End at: 2017-11-16 07:54:59
Local clock offset: -1.553 ms
Remote clock offset: -19.133 ms

# Below is generated by plot.py at 2017-11-16 14:50:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 36.897 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 37.162 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 36.451 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 36.760 ms
Loss rate: 0.28%
```

Run 2: Report of Copa — Data Link

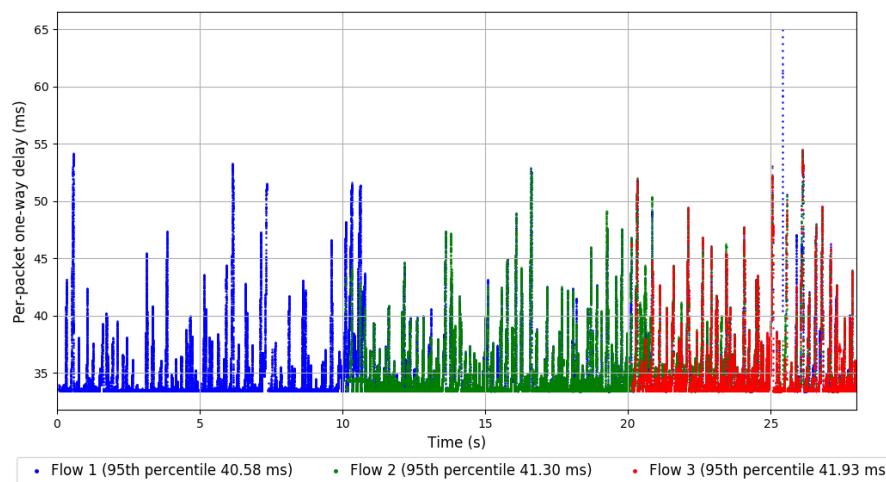
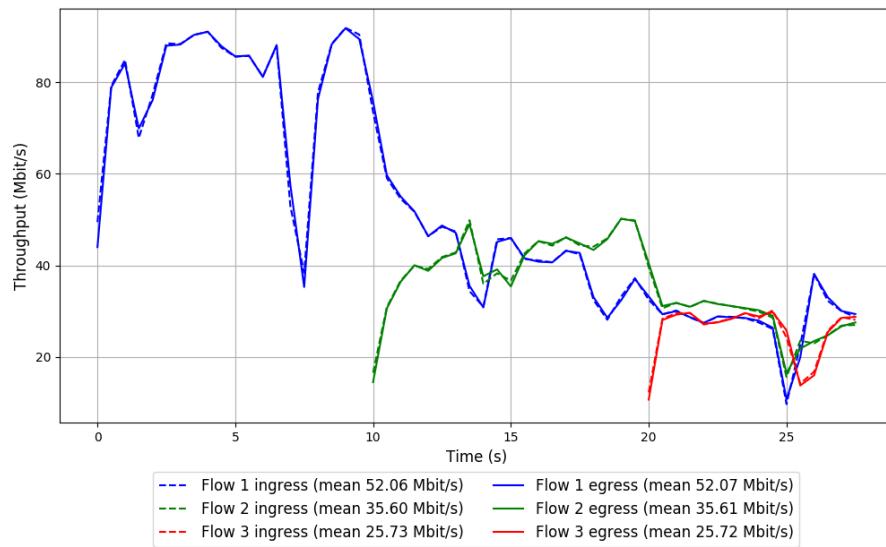


Run 3: Statistics of Copa

```
Start at: 2017-11-16 08:19:27
End at: 2017-11-16 08:19:57
Local clock offset: 0.565 ms
Remote clock offset: -20.614 ms

# Below is generated by plot.py at 2017-11-16 14:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 40.938 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 40.580 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 41.302 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 41.930 ms
Loss rate: 0.38%
```

Run 3: Report of Copa — Data Link

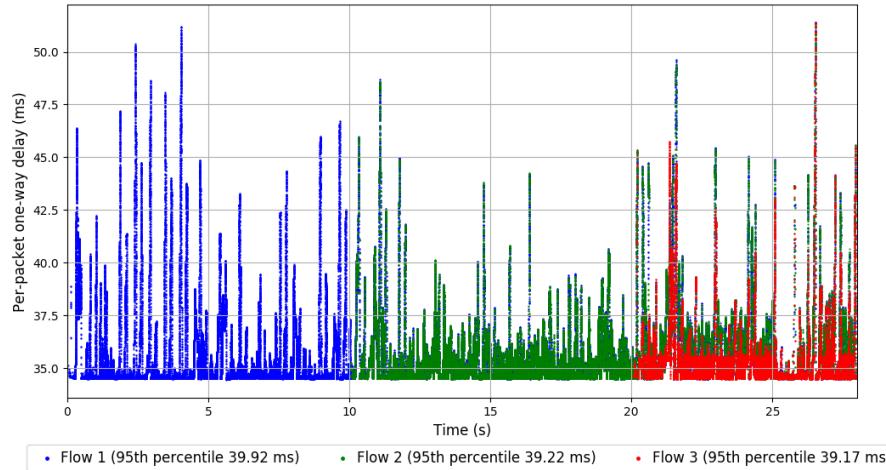
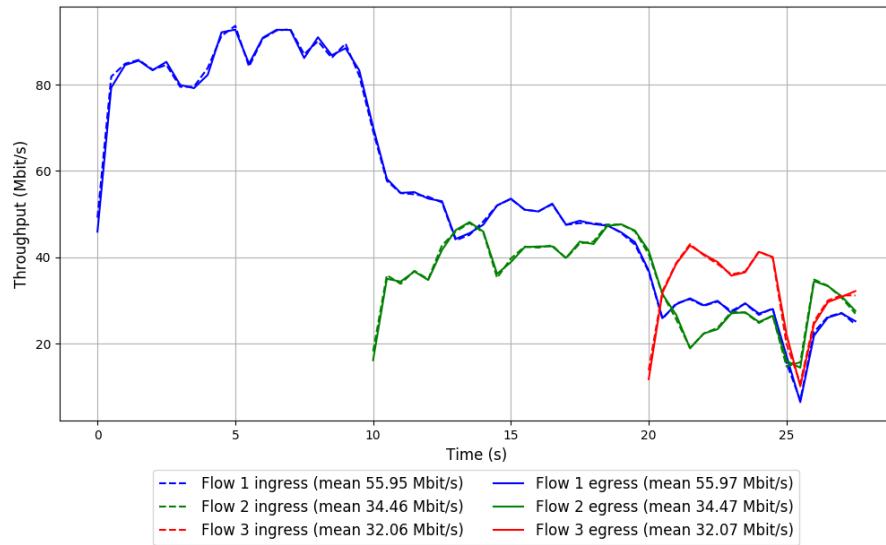


Run 4: Statistics of Copa

```
Start at: 2017-11-16 08:48:05
End at: 2017-11-16 08:48:35
Local clock offset: 2.437 ms
Remote clock offset: -18.96 ms

# Below is generated by plot.py at 2017-11-16 14:50:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 39.690 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 39.922 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 39.219 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 39.172 ms
Loss rate: 0.30%
```

Run 4: Report of Copa — Data Link

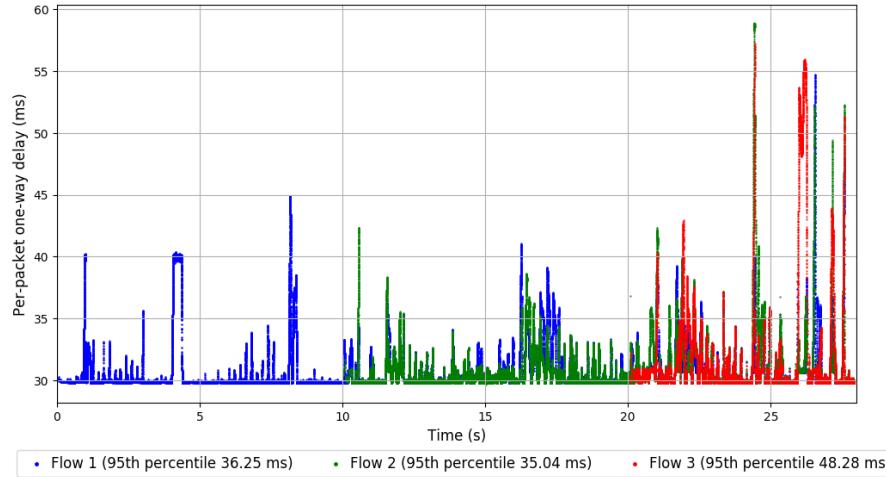
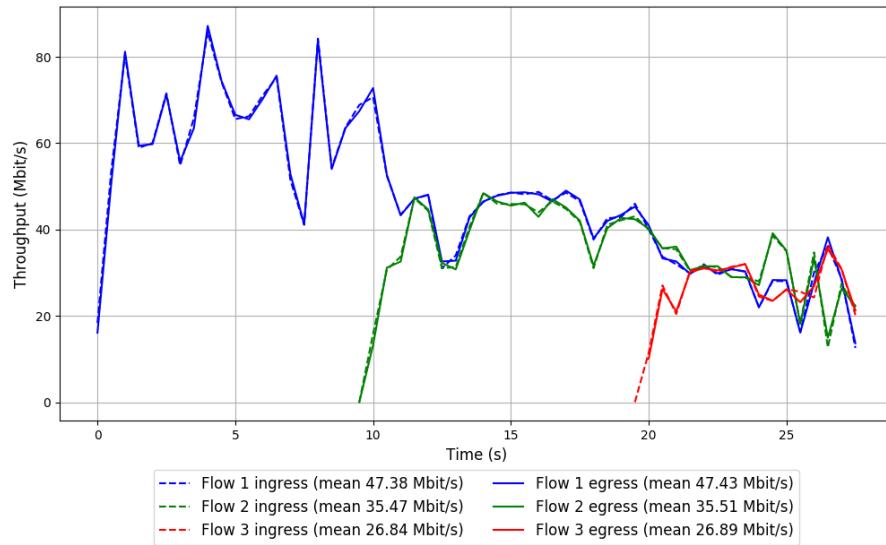


Run 5: Statistics of Copa

```
Start at: 2017-11-16 09:18:50
End at: 2017-11-16 09:19:20
Local clock offset: 0.321 ms
Remote clock offset: -18.172 ms

# Below is generated by plot.py at 2017-11-16 14:50:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.85 Mbit/s
95th percentile per-packet one-way delay: 36.215 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 36.248 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 35.042 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 48.281 ms
Loss rate: 0.31%
```

Run 5: Report of Copa — Data Link

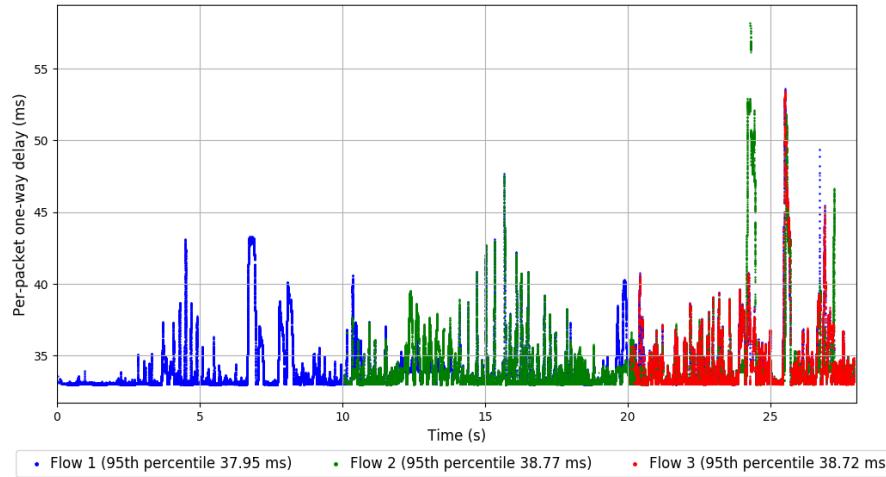
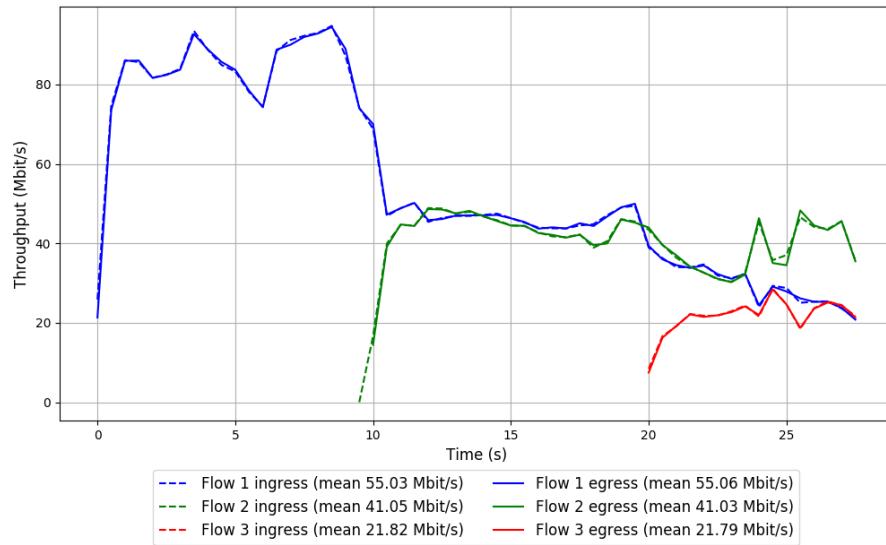


Run 6: Statistics of Copa

```
Start at: 2017-11-16 09:39:59
End at: 2017-11-16 09:40:29
Local clock offset: 2.769 ms
Remote clock offset: -16.96 ms

# Below is generated by plot.py at 2017-11-16 14:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 38.228 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 37.955 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 38.766 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 21.79 Mbit/s
95th percentile per-packet one-way delay: 38.719 ms
Loss rate: 0.60%
```

Run 6: Report of Copa — Data Link

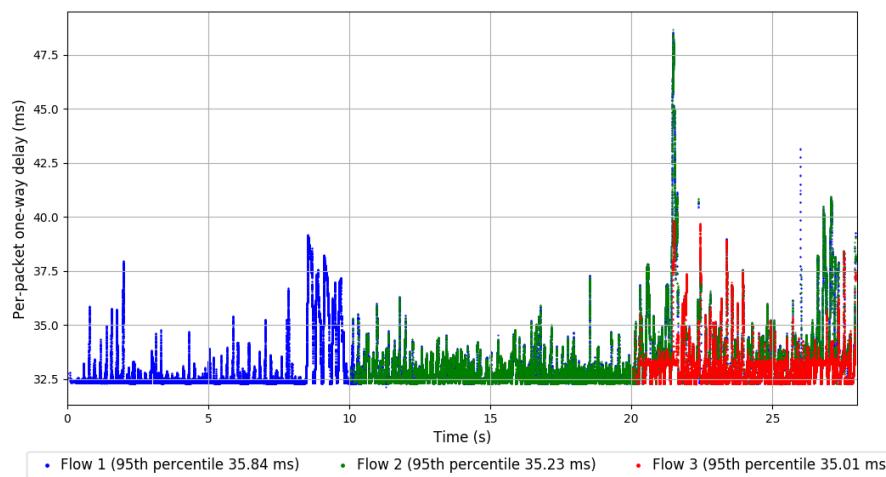
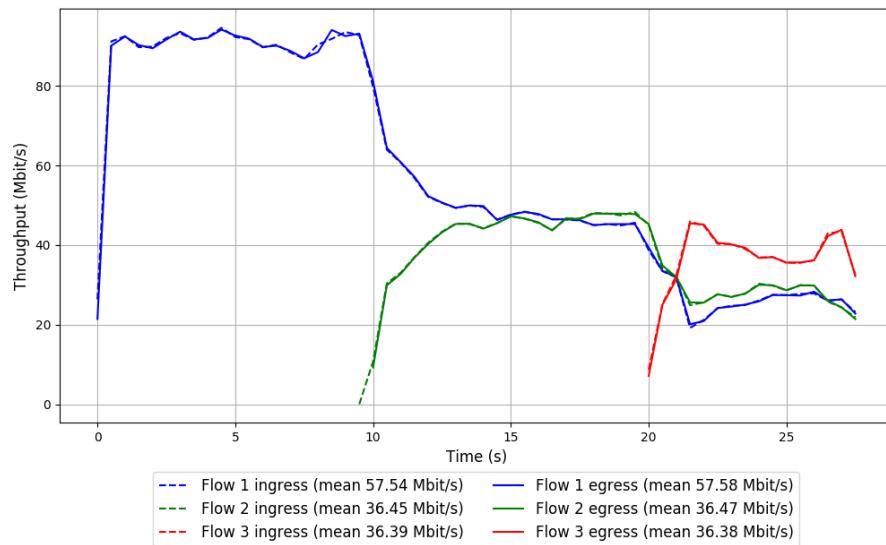


Run 7: Statistics of Copa

```
Start at: 2017-11-16 09:59:43
End at: 2017-11-16 10:00:13
Local clock offset: 2.721 ms
Remote clock offset: -16.574 ms

# Below is generated by plot.py at 2017-11-16 14:51:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 35.601 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 35.845 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 35.228 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 35.006 ms
Loss rate: 0.53%
```

Run 7: Report of Copa — Data Link

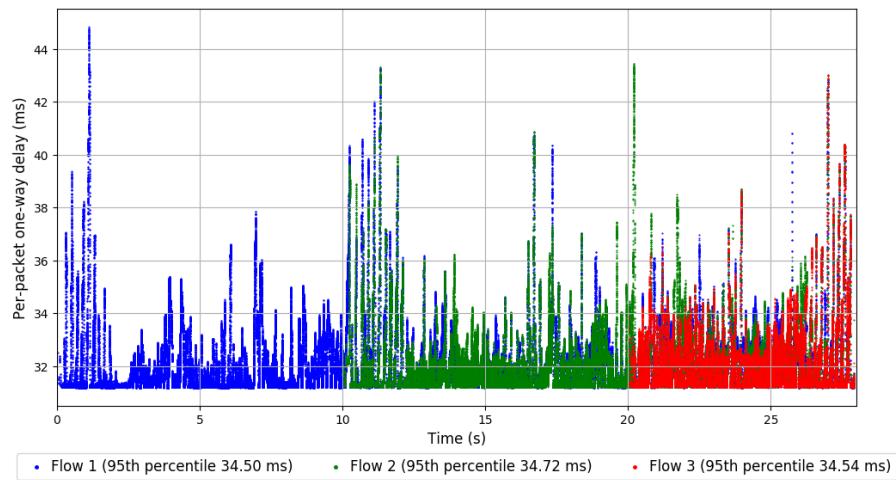
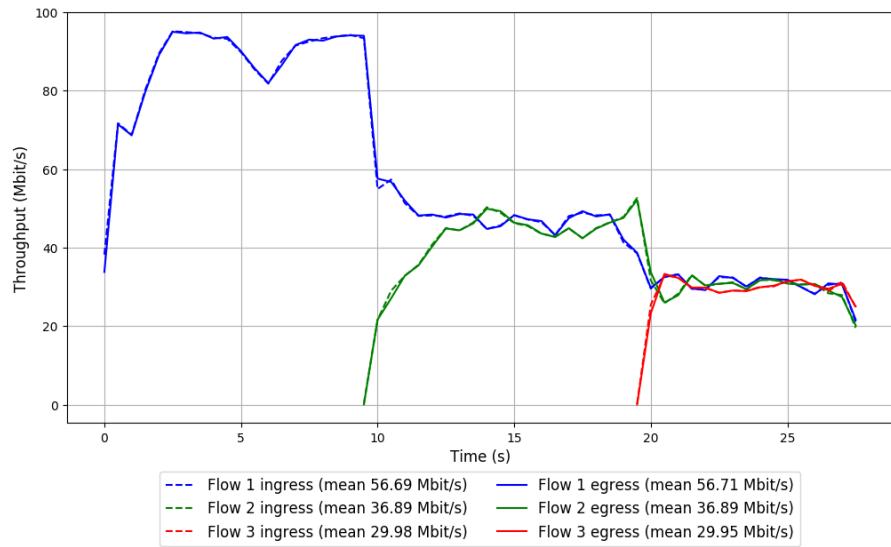


Run 8: Statistics of Copa

```
Start at: 2017-11-16 10:21:55
End at: 2017-11-16 10:22:25
Local clock offset: 3.49 ms
Remote clock offset: -17.527 ms

# Below is generated by plot.py at 2017-11-16 14:51:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 34.560 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 34.497 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 34.715 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 34.544 ms
Loss rate: 0.38%
```

Run 8: Report of Copa — Data Link

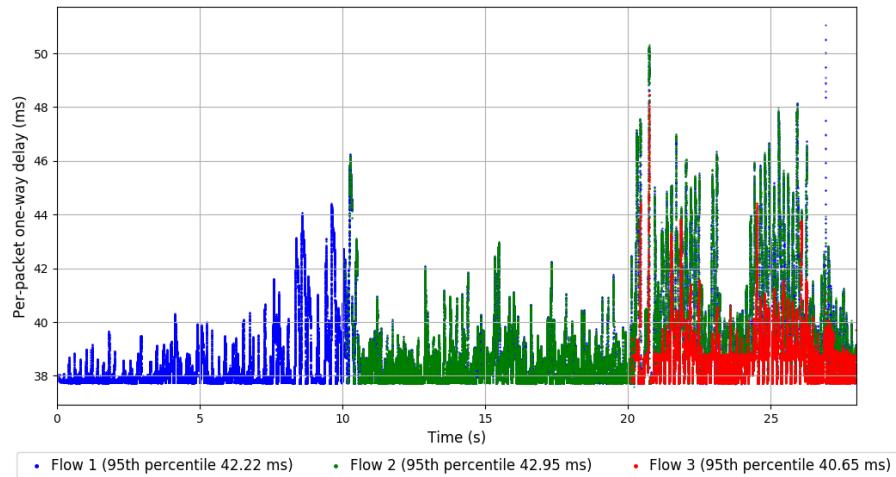
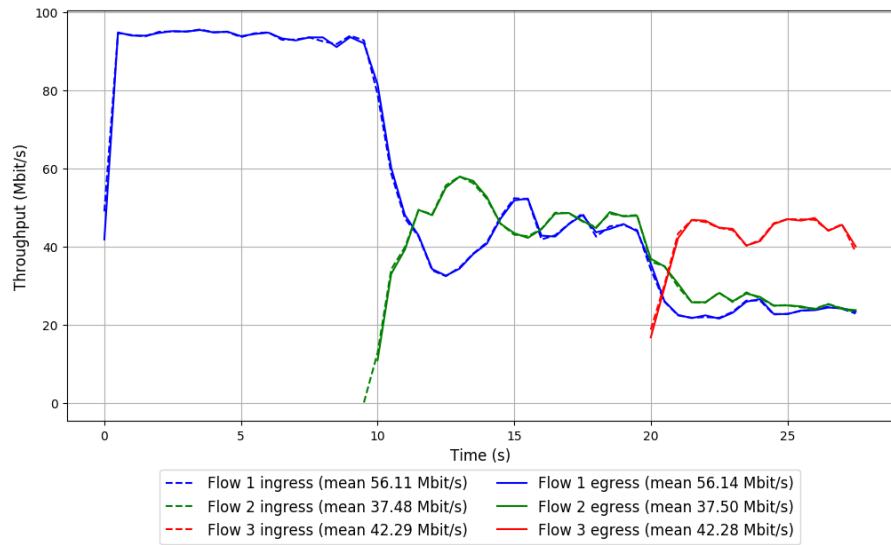


Run 9: Statistics of Copa

```
Start at: 2017-11-16 10:41:26
End at: 2017-11-16 10:41:56
Local clock offset: 4.803 ms
Remote clock offset: -18.493 ms

# Below is generated by plot.py at 2017-11-16 14:52:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 42.244 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 42.221 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 42.955 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 40.649 ms
Loss rate: 0.33%
```

Run 9: Report of Copa — Data Link

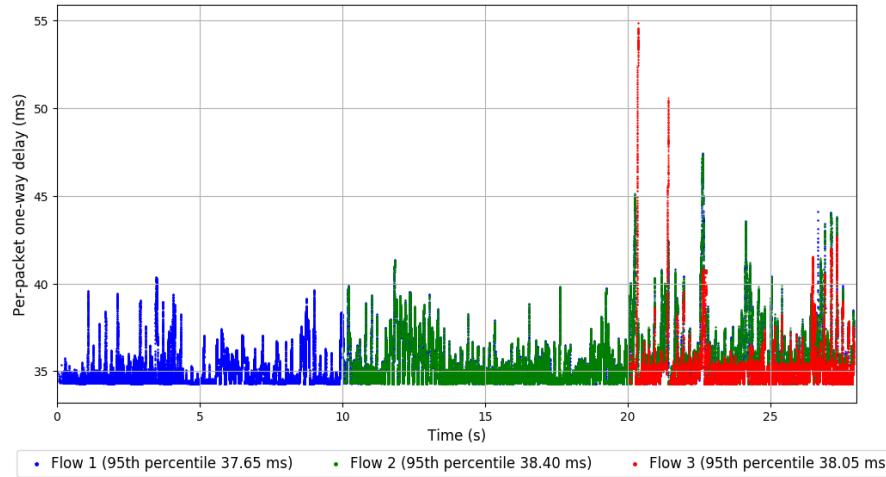
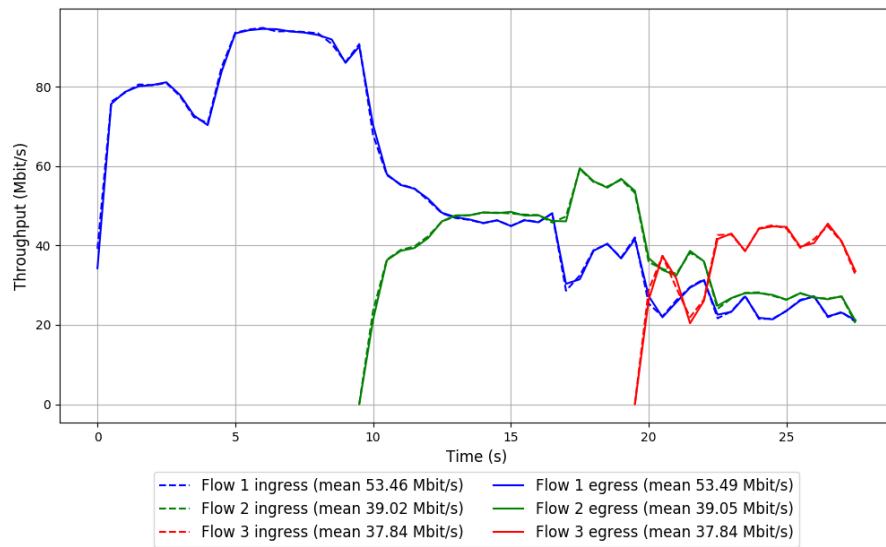


Run 10: Statistics of Copa

```
Start at: 2017-11-16 11:00:23
End at: 2017-11-16 11:00:53
Local clock offset: 0.973 ms
Remote clock offset: -19.649 ms

# Below is generated by plot.py at 2017-11-16 14:52:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 37.864 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 37.650 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 38.395 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 38.045 ms
Loss rate: 0.33%
```

Run 10: Report of Copa — Data Link

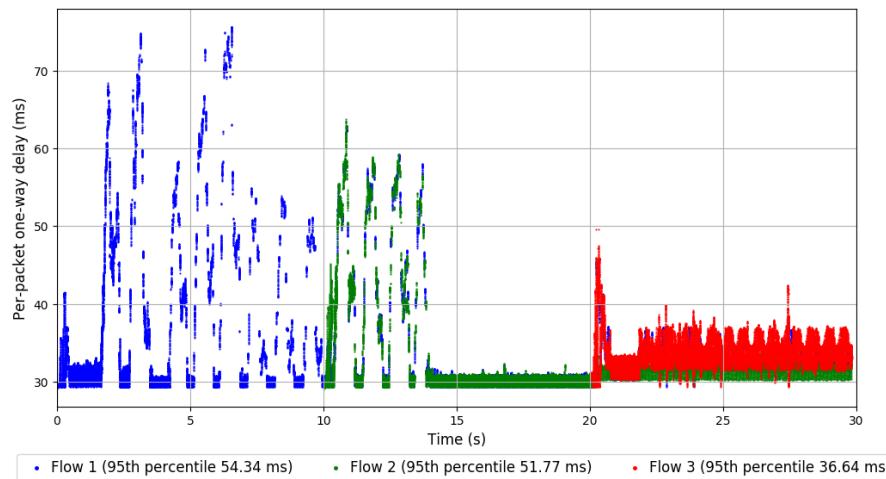
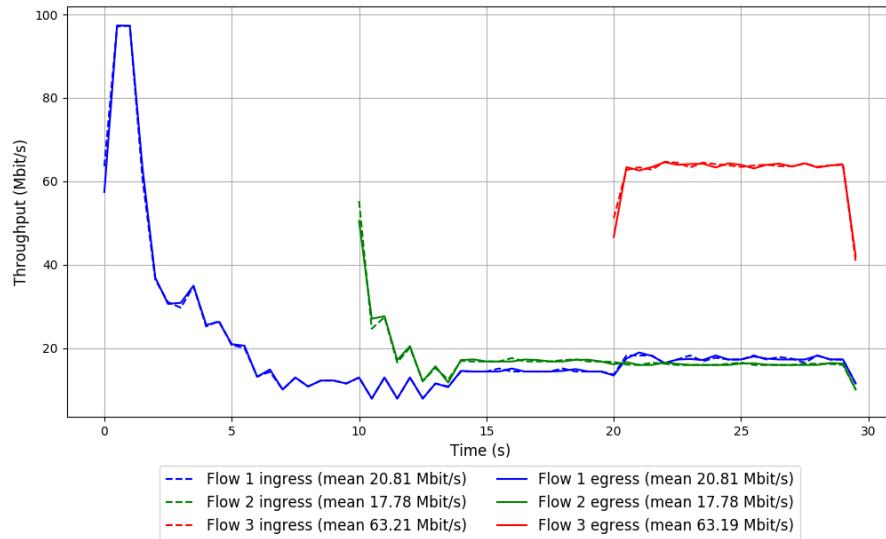


Run 1: Statistics of Indigo

```
Start at: 2017-11-16 07:28:08
End at: 2017-11-16 07:28:38
Local clock offset: 1.604 ms
Remote clock offset: -16.289 ms

# Below is generated by plot.py at 2017-11-16 14:52:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 48.064 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 54.336 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 51.773 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 36.642 ms
Loss rate: 0.27%
```

Run 1: Report of Indigo — Data Link

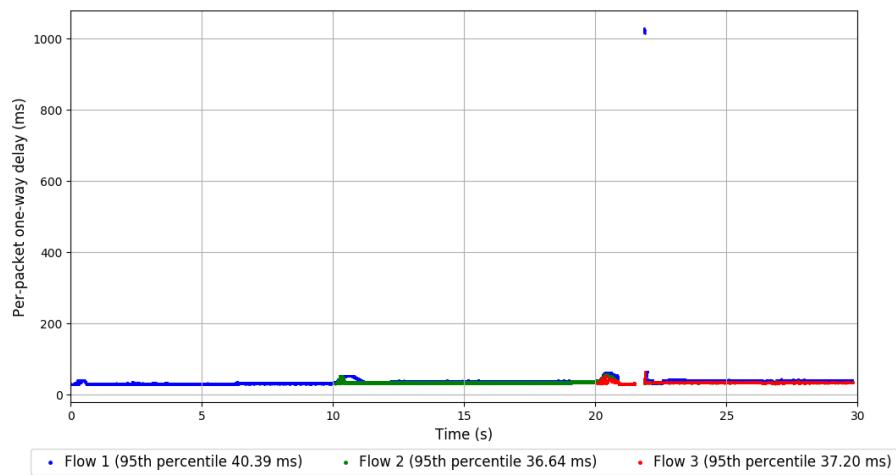
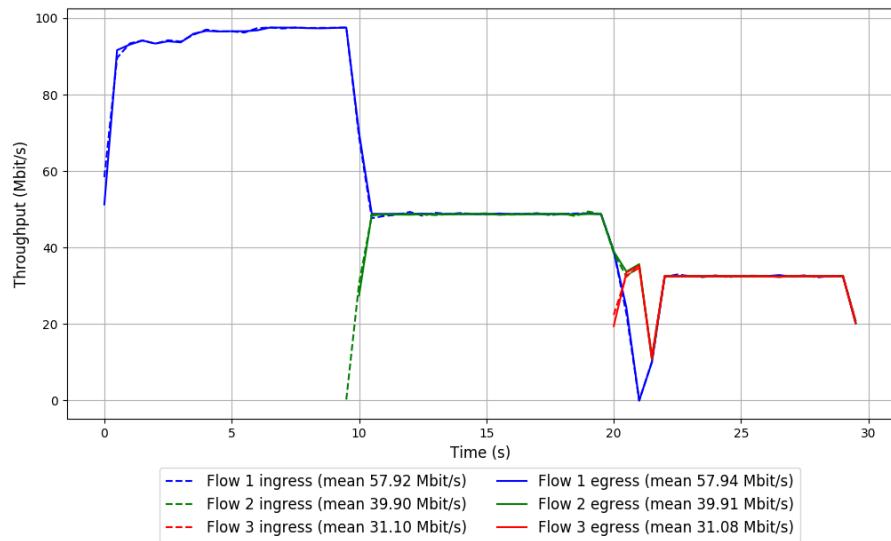


Run 2: Statistics of Indigo

```
Start at: 2017-11-16 07:48:16
End at: 2017-11-16 07:48:46
Local clock offset: -0.872 ms
Remote clock offset: -17.78 ms

# Below is generated by plot.py at 2017-11-16 14:52:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 39.287 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 40.391 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 36.640 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 37.200 ms
Loss rate: 0.45%
```

Run 2: Report of Indigo — Data Link

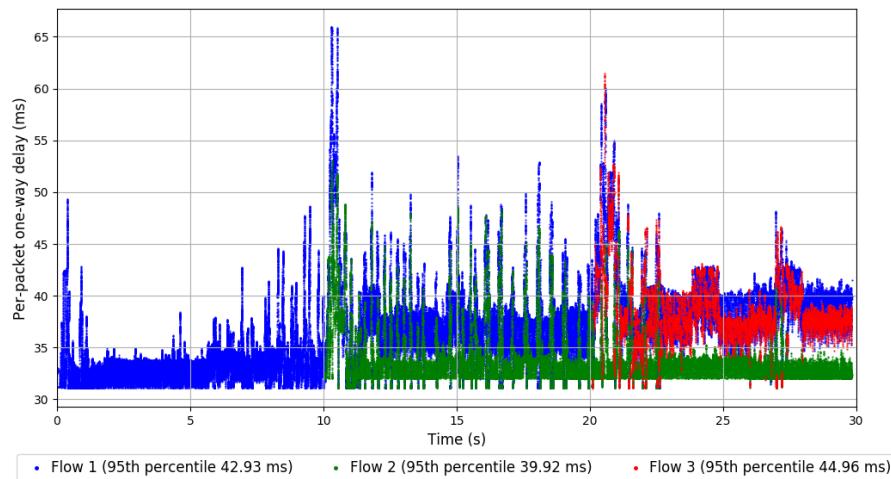
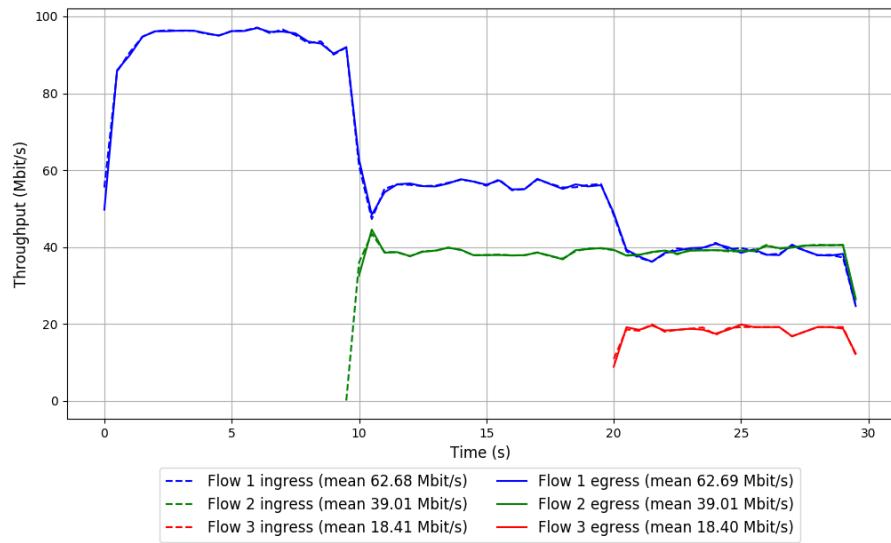


Run 3: Statistics of Indigo

```
Start at: 2017-11-16 08:11:36
End at: 2017-11-16 08:12:06
Local clock offset: -1.525 ms
Remote clock offset: -20.135 ms

# Below is generated by plot.py at 2017-11-16 14:52:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 42.469 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 42.927 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 39.920 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 44.960 ms
Loss rate: 0.33%
```

Run 3: Report of Indigo — Data Link

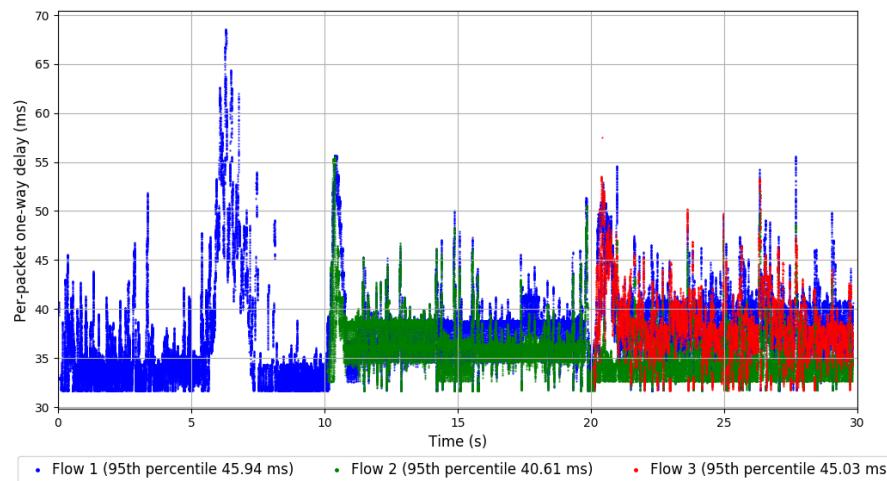
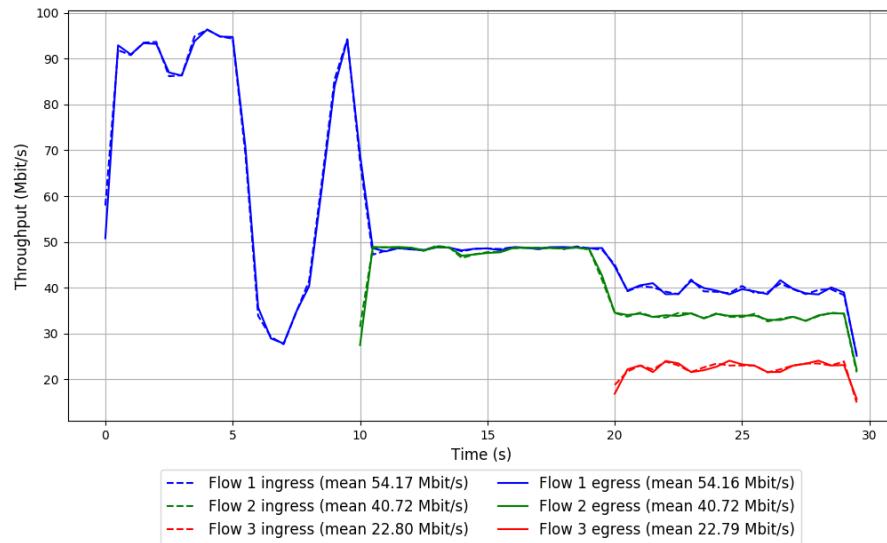


Run 4: Statistics of Indigo

```
Start at: 2017-11-16 08:40:02
End at: 2017-11-16 08:40:32
Local clock offset: 1.159 ms
Remote clock offset: -17.971 ms

# Below is generated by plot.py at 2017-11-16 14:52:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 44.270 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 45.939 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 40.609 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 45.033 ms
Loss rate: 0.32%
```

Run 4: Report of Indigo — Data Link

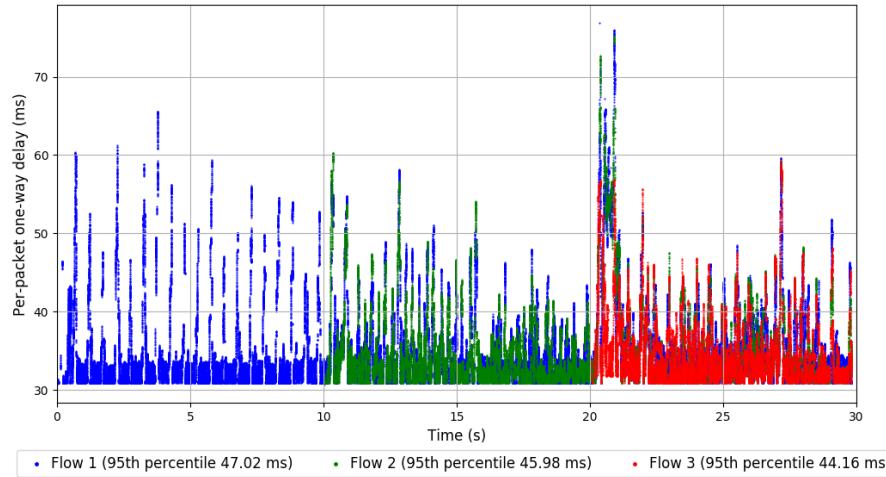
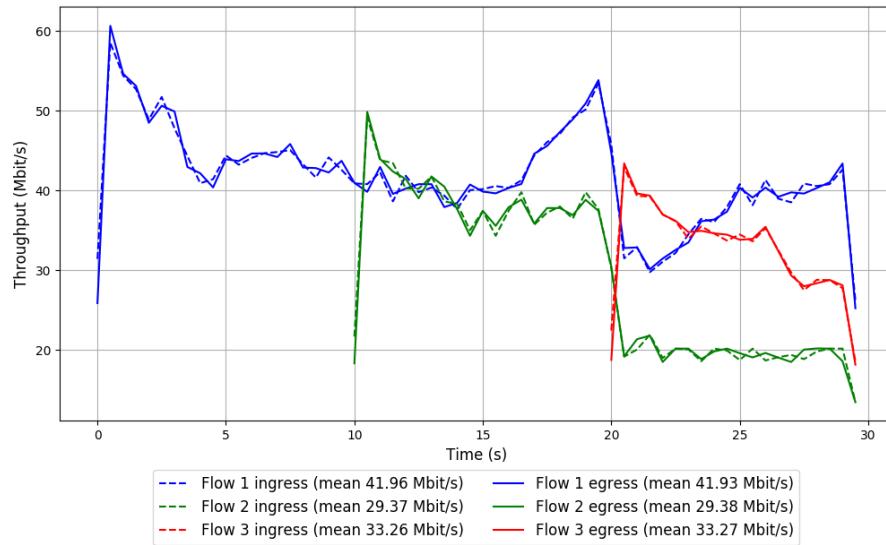


Run 5: Statistics of Indigo

```
Start at: 2017-11-16 09:09:54
End at: 2017-11-16 09:10:24
Local clock offset: 2.097 ms
Remote clock offset: -17.206 ms

# Below is generated by plot.py at 2017-11-16 14:52:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 46.191 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 47.022 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 45.975 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 44.155 ms
Loss rate: 0.36%
```

Run 5: Report of Indigo — Data Link

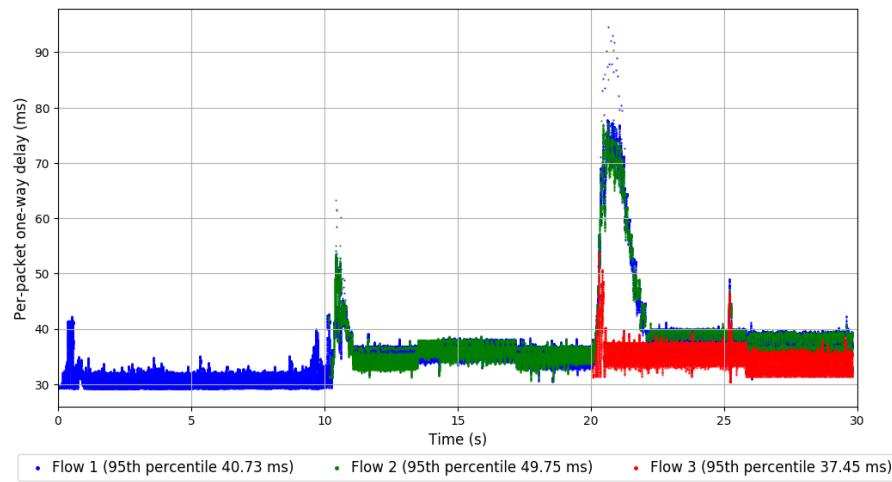
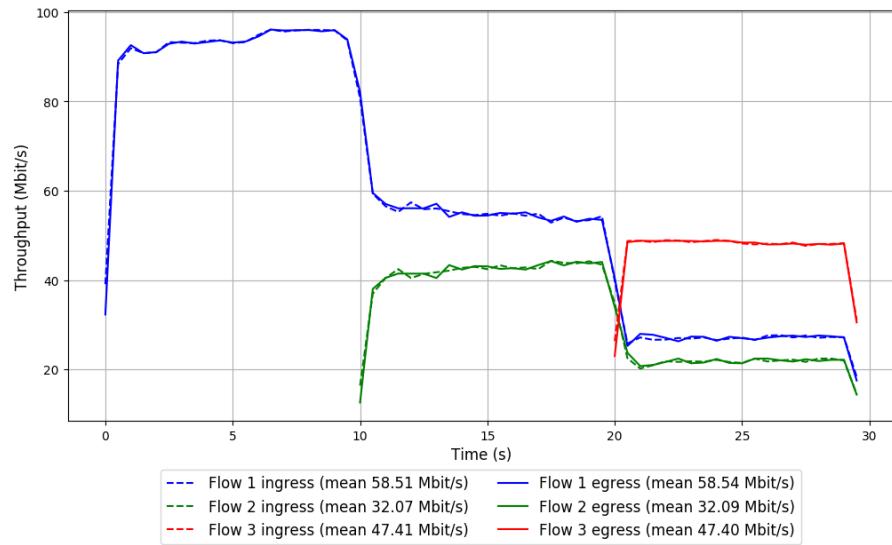


Run 6: Statistics of Indigo

```
Start at: 2017-11-16 09:34:41
End at: 2017-11-16 09:35:11
Local clock offset: 0.518 ms
Remote clock offset: -17.068 ms

# Below is generated by plot.py at 2017-11-16 14:52:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 41.267 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 40.727 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 49.748 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 37.452 ms
Loss rate: 0.42%
```

Run 6: Report of Indigo — Data Link

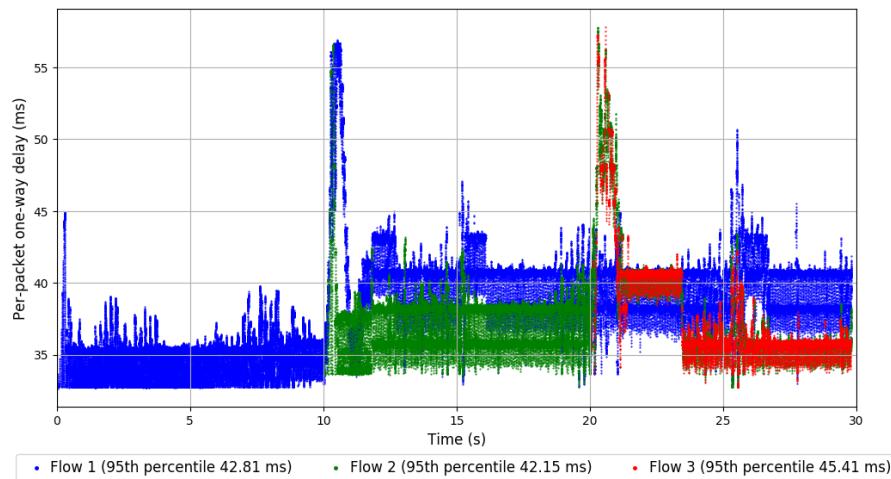
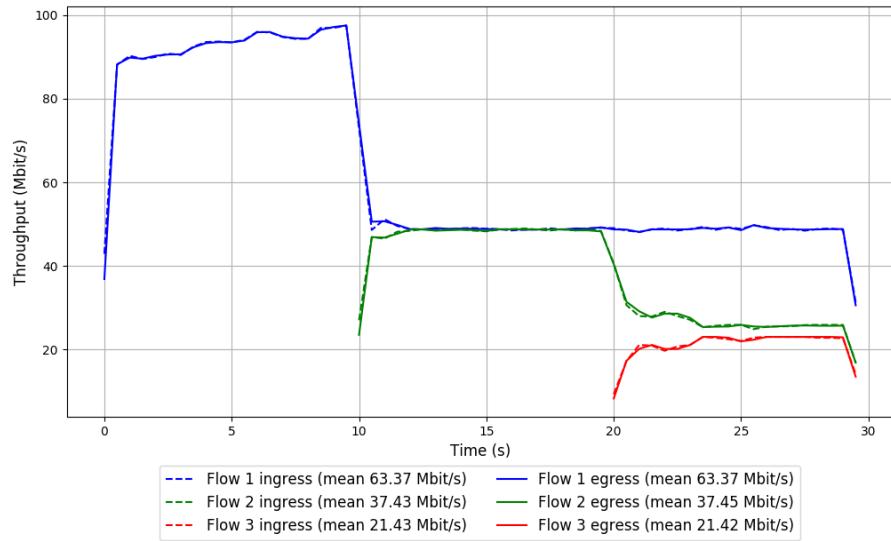


Run 7: Statistics of Indigo

```
Start at: 2017-11-16 09:53:44
End at: 2017-11-16 09:54:14
Local clock offset: 2.398 ms
Remote clock offset: -17.092 ms

# Below is generated by plot.py at 2017-11-16 14:52:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 42.810 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 42.812 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 42.149 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 45.415 ms
Loss rate: 0.46%
```

Run 7: Report of Indigo — Data Link

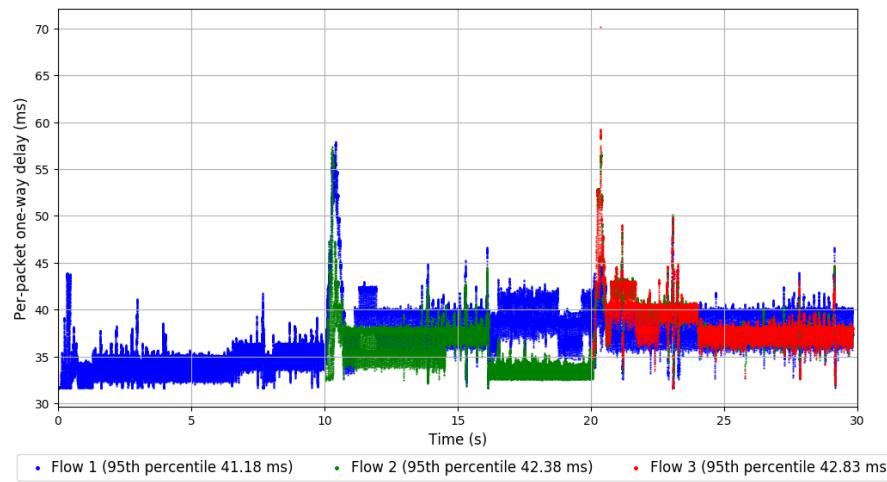
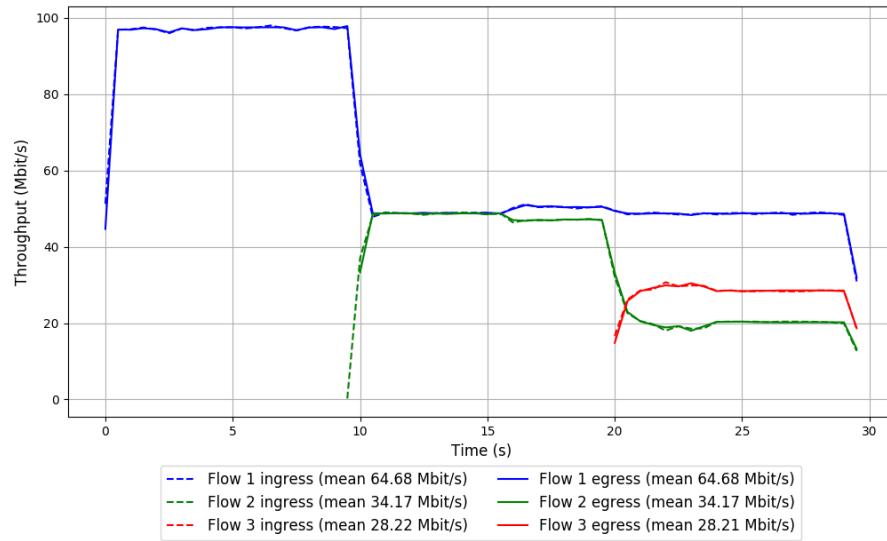


Run 8: Statistics of Indigo

```
Start at: 2017-11-16 10:16:19
End at: 2017-11-16 10:16:49
Local clock offset: 3.791 ms
Remote clock offset: -18.046 ms

# Below is generated by plot.py at 2017-11-16 14:53:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 41.376 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.68 Mbit/s
95th percentile per-packet one-way delay: 41.181 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 42.383 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 42.832 ms
Loss rate: 0.30%
```

Run 8: Report of Indigo — Data Link

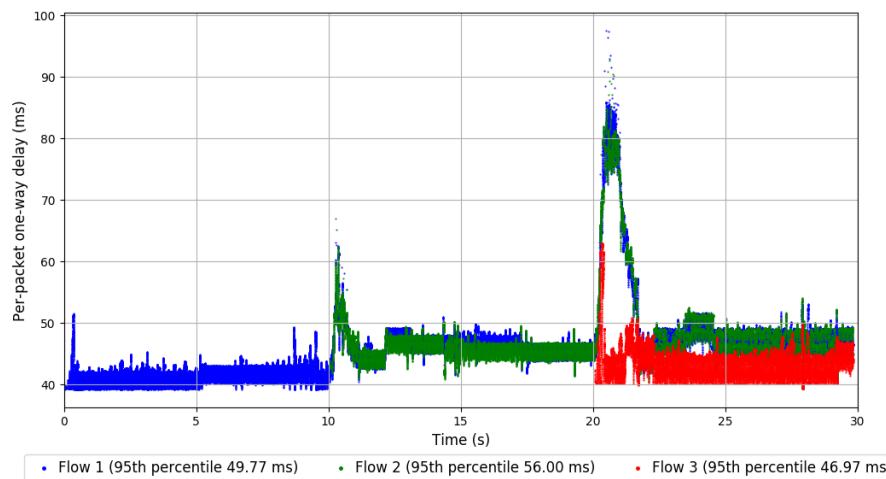
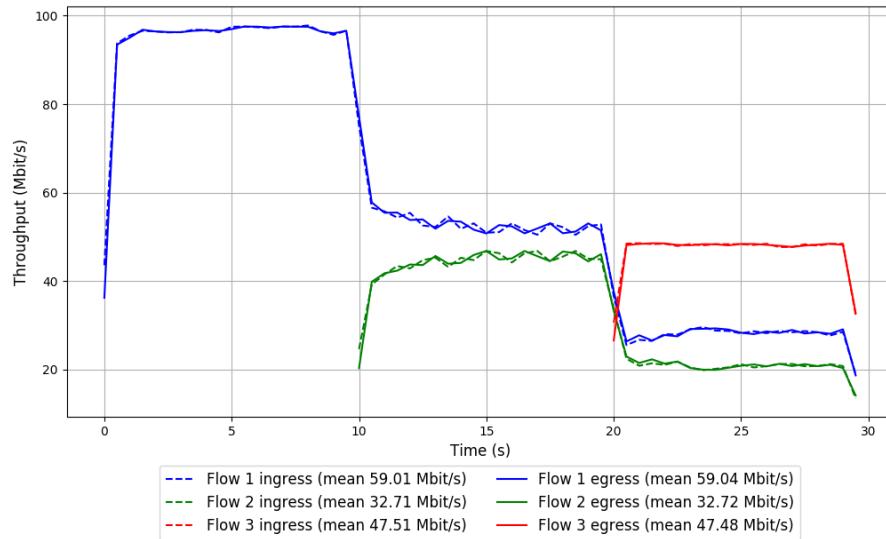


Run 9: Statistics of Indigo

```
Start at: 2017-11-16 10:36:02
End at: 2017-11-16 10:36:32
Local clock offset: 1.709 ms
Remote clock offset: -17.762 ms

# Below is generated by plot.py at 2017-11-16 14:53:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 50.208 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 49.769 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 55.997 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 46.970 ms
Loss rate: 0.41%
```

Run 9: Report of Indigo — Data Link

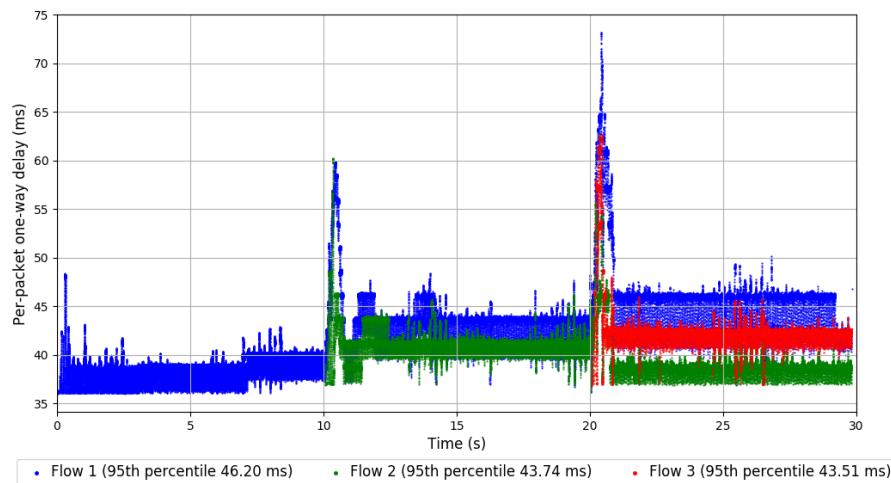
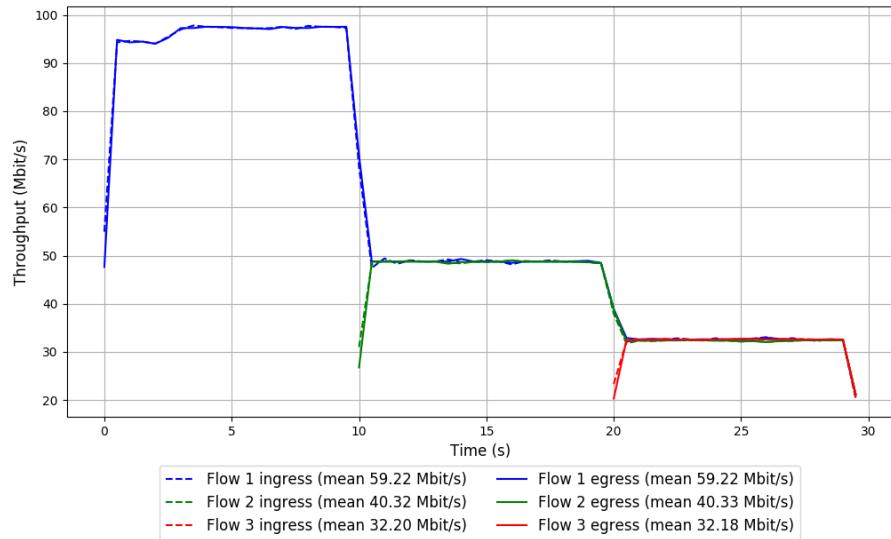


Run 10: Statistics of Indigo

```
Start at: 2017-11-16 10:55:08
End at: 2017-11-16 10:55:38
Local clock offset: 3.071 ms
Remote clock offset: -19.207 ms

# Below is generated by plot.py at 2017-11-16 14:53:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 46.077 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 46.196 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 43.738 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 43.512 ms
Loss rate: 0.32%
```

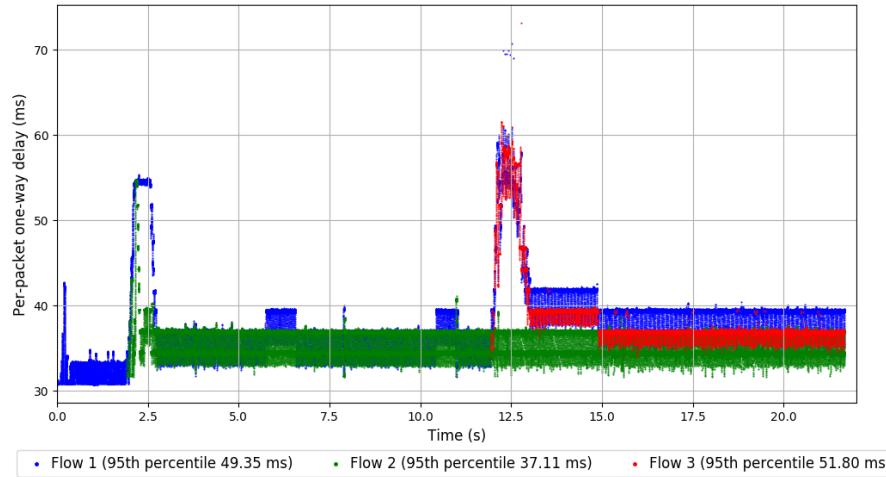
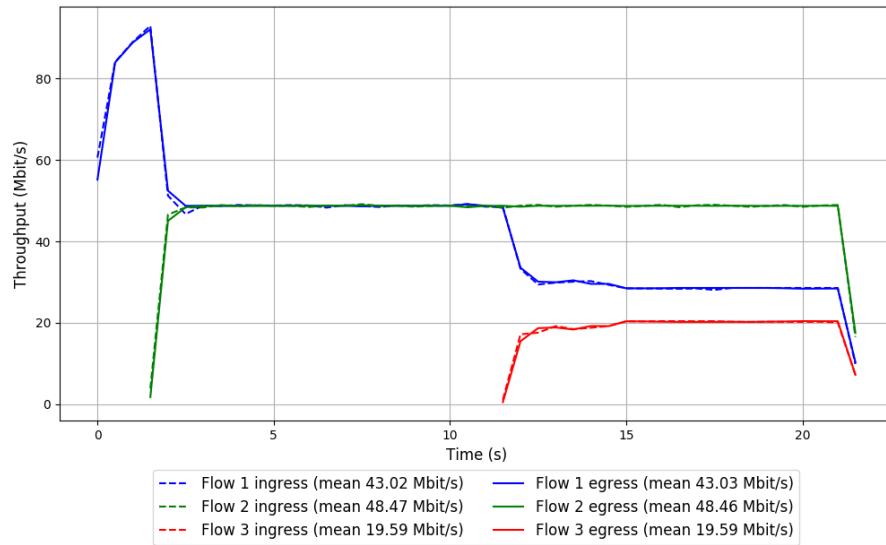
Run 10: Report of Indigo — Data Link



Run 1: Statistics of Indigo-calib

Start at: 2017-11-16 07:35:20
End at: 2017-11-16 07:35:50
Local clock offset: -3.805 ms
Remote clock offset: -22.899 ms

Run 1: Report of Indigo-calib — Data Link

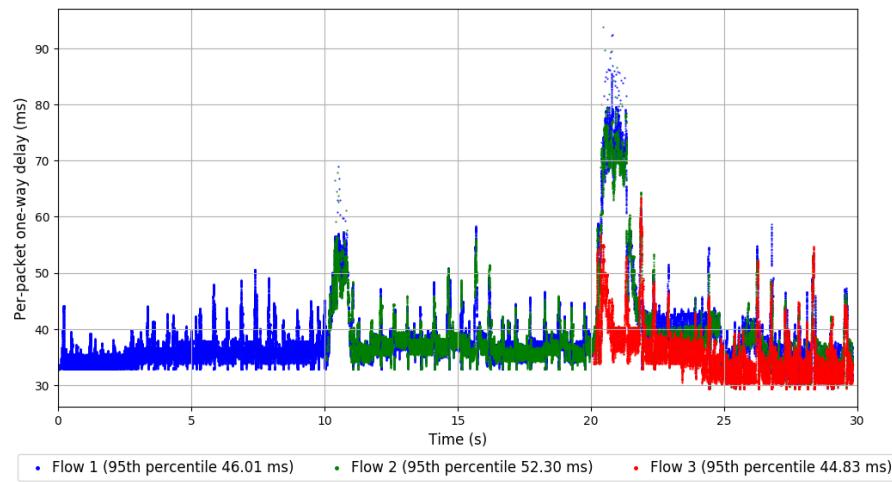
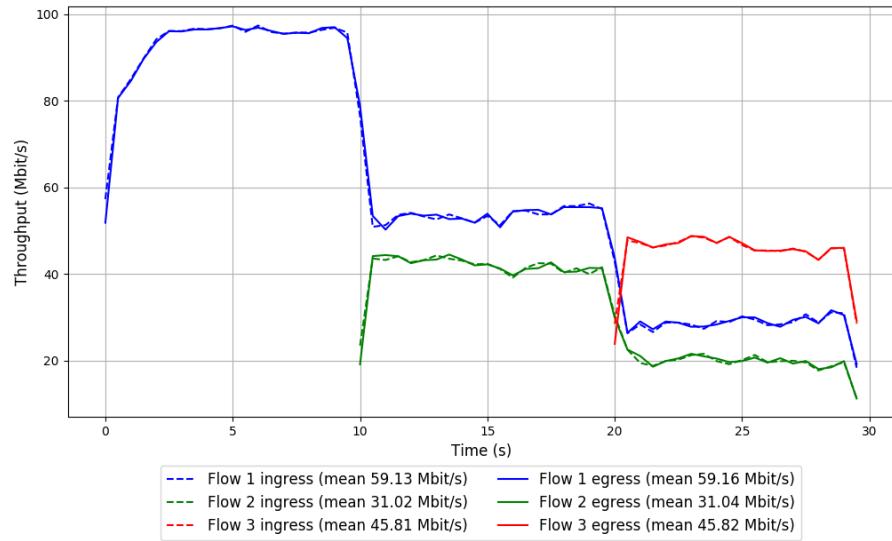


Run 2: Statistics of Indigo-calib

```
Start at: 2017-11-16 07:56:13
End at: 2017-11-16 07:56:43
Local clock offset: -0.857 ms
Remote clock offset: -19.017 ms

# Below is generated by plot.py at 2017-11-16 14:54:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 47.875 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 46.008 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 52.299 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 44.829 ms
Loss rate: 0.26%
```

Run 2: Report of Indigo-calib — Data Link

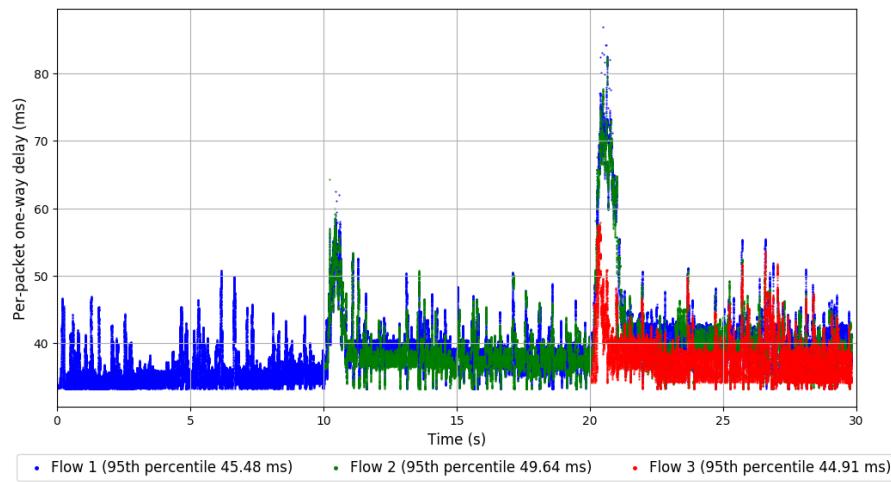
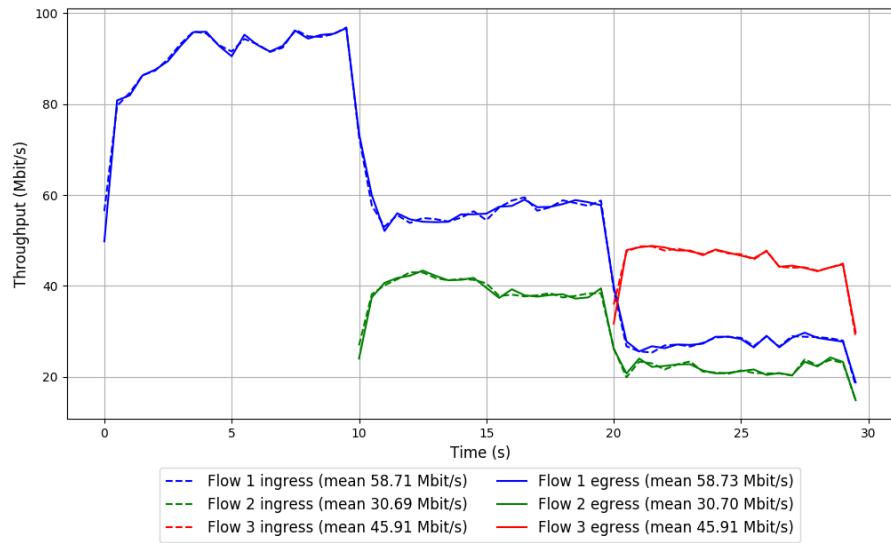


```
Run 3: Statistics of Indigo-calib

Start at: 2017-11-16 08:22:07
End at: 2017-11-16 08:22:37
Local clock offset: 0.609 ms
Remote clock offset: -20.592 ms

# Below is generated by plot.py at 2017-11-16 14:54:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 46.216 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 45.477 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 49.644 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 45.91 Mbit/s
95th percentile per-packet one-way delay: 44.914 ms
Loss rate: 0.26%
```

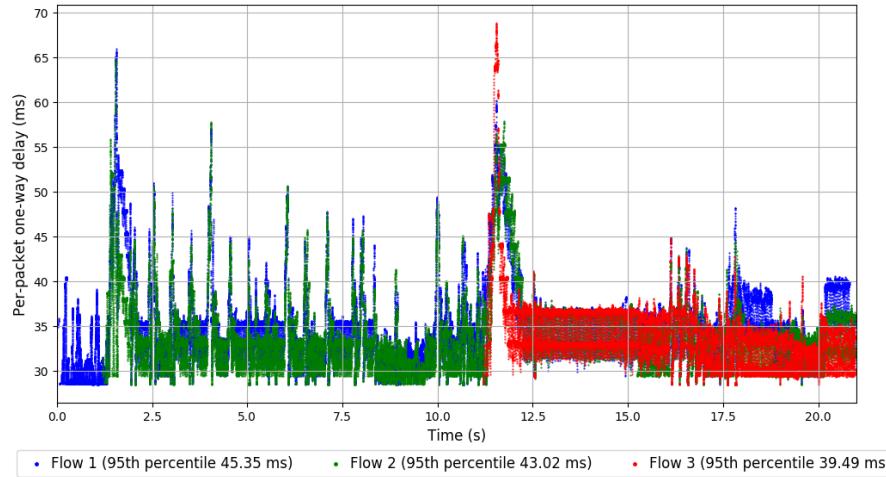
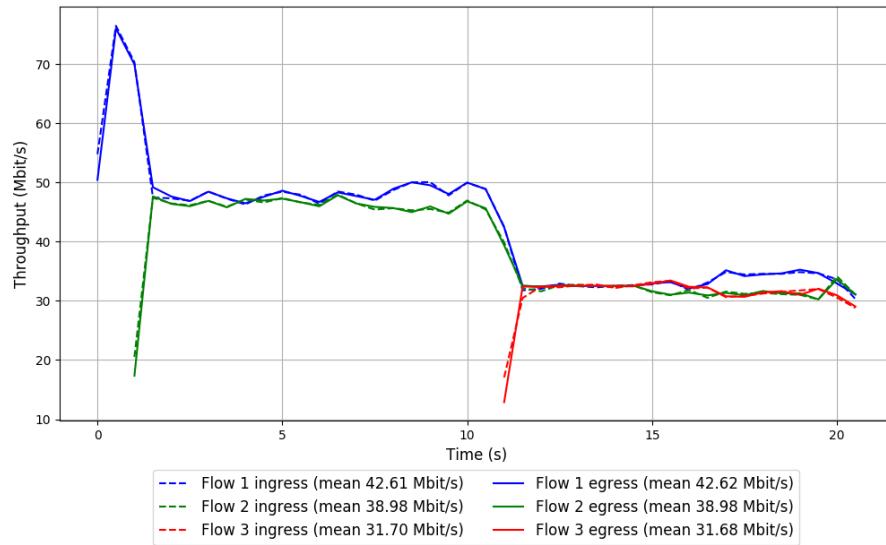
Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-11-16 08:50:21
End at: 2017-11-16 08:50:51
Local clock offset: -2.336 ms
Remote clock offset: -17.935 ms

Run 4: Report of Indigo-calib — Data Link

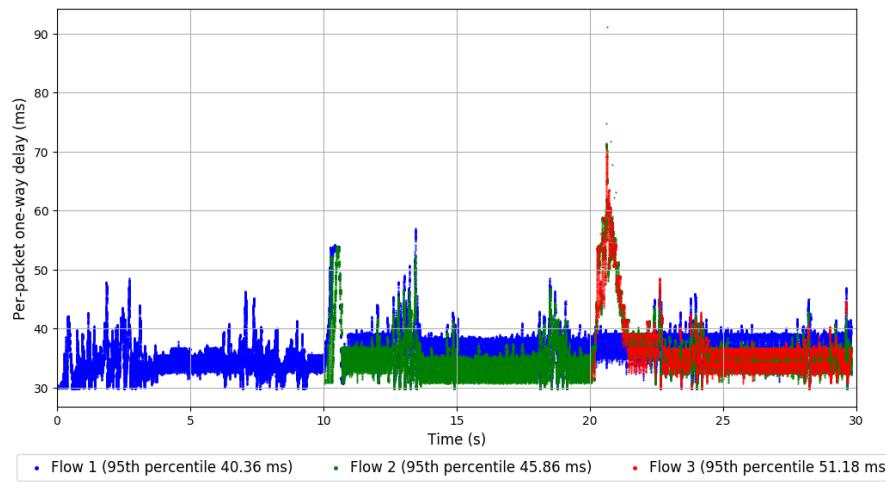
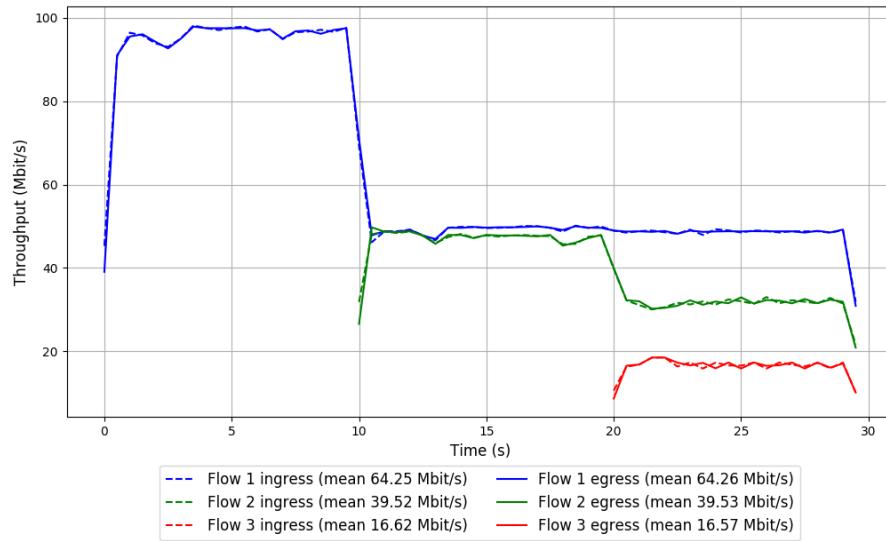


```
Run 5: Statistics of Indigo-calib

Start at: 2017-11-16 09:20:20
End at: 2017-11-16 09:20:50
Local clock offset: 1.56 ms
Remote clock offset: -17.182 ms

# Below is generated by plot.py at 2017-11-16 14:54:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 41.724 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 40.359 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 45.856 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 51.180 ms
Loss rate: 0.44%
```

Run 5: Report of Indigo-calib — Data Link

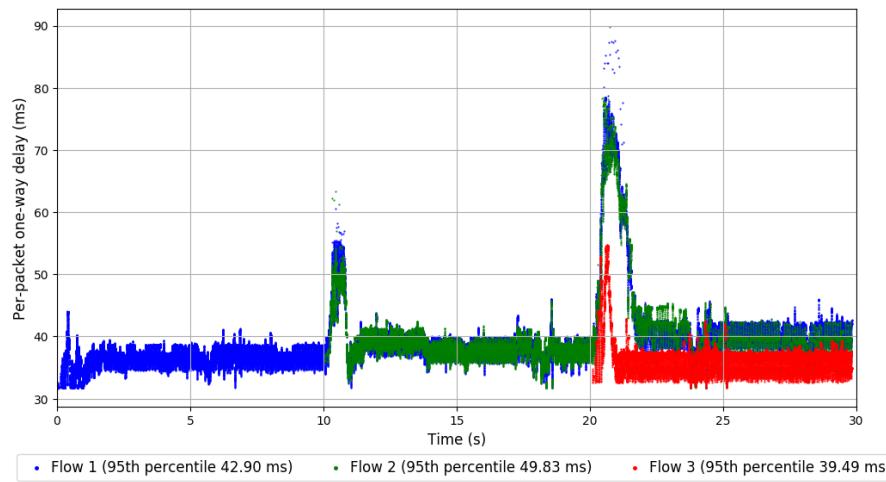
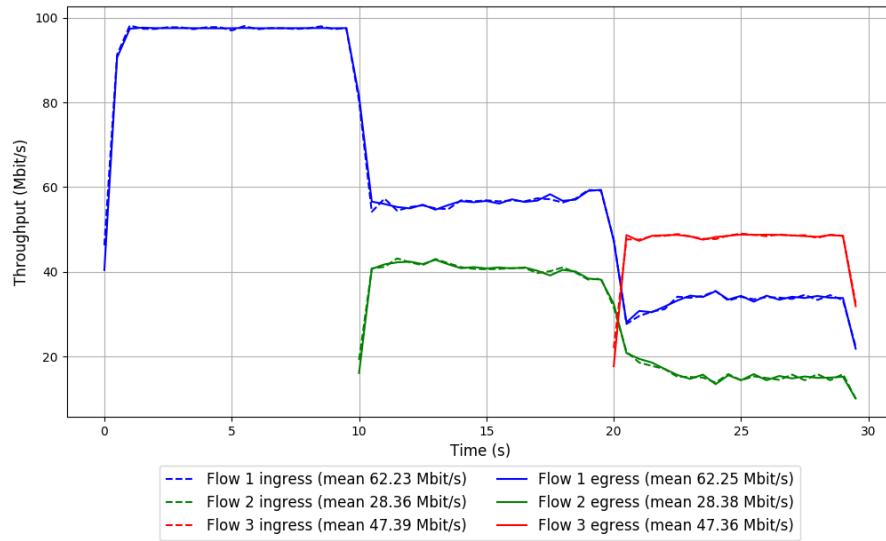


```
Run 6: Statistics of Indigo-calib

Start at: 2017-11-16 09:41:36
End at: 2017-11-16 09:42:06
Local clock offset: 1.671 ms
Remote clock offset: -16.779 ms

# Below is generated by plot.py at 2017-11-16 14:54:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 43.967 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 42.898 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 49.826 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 39.491 ms
Loss rate: 0.45%
```

Run 6: Report of Indigo-calib — Data Link

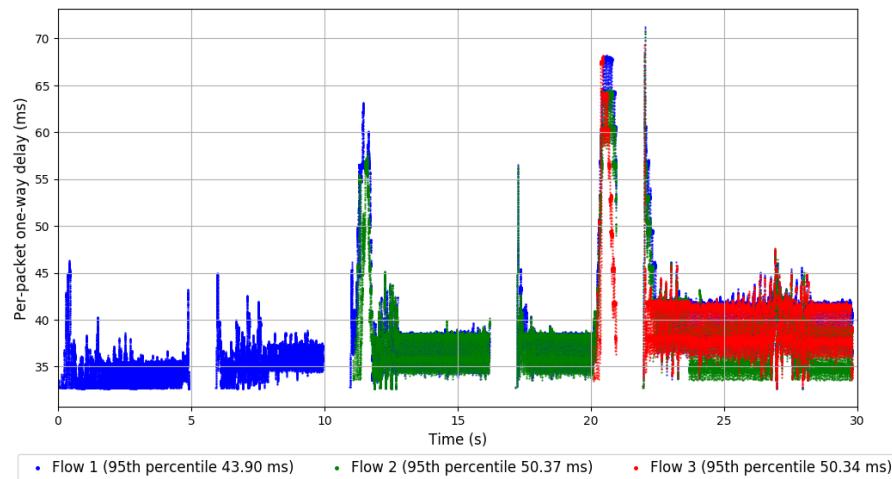
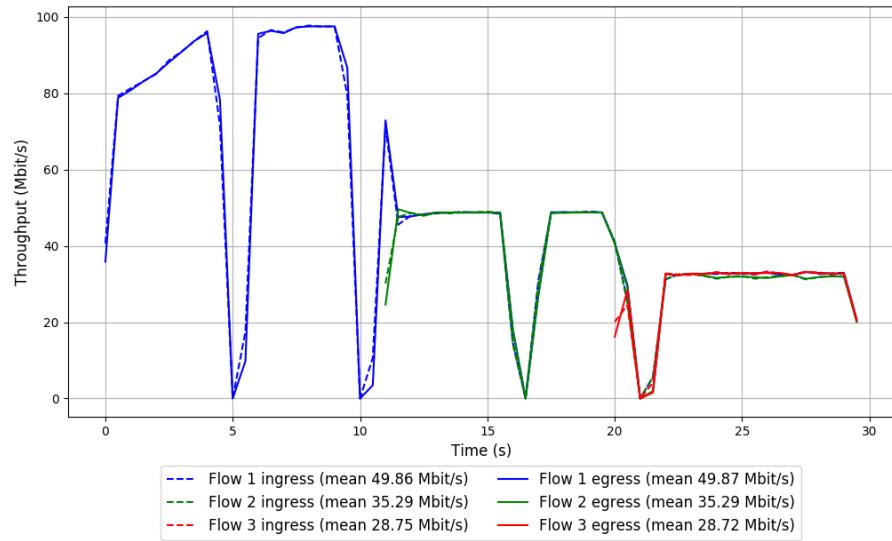


Run 7: Statistics of Indigo-calib

```
Start at: 2017-11-16 10:01:23
End at: 2017-11-16 10:01:53
Local clock offset: 1.239 ms
Remote clock offset: -18.599 ms

# Below is generated by plot.py at 2017-11-16 14:54:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 45.733 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 43.898 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 50.369 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 50.345 ms
Loss rate: 0.51%
```

Run 7: Report of Indigo-calib — Data Link

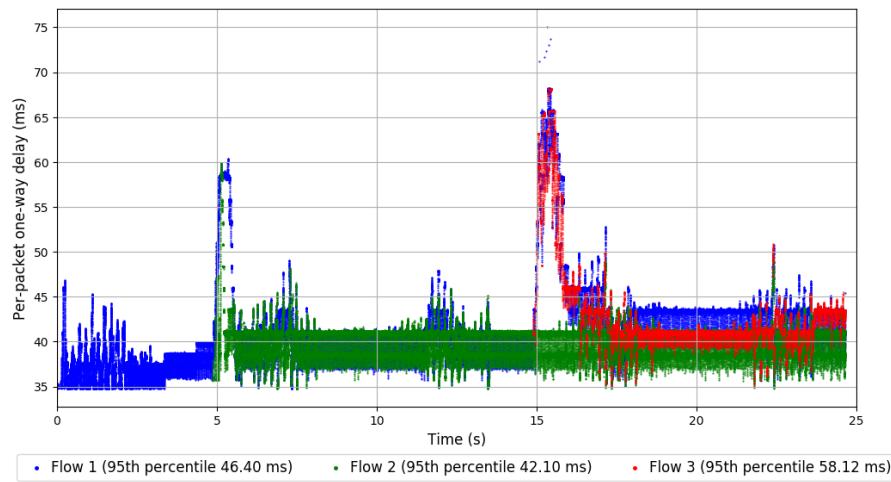
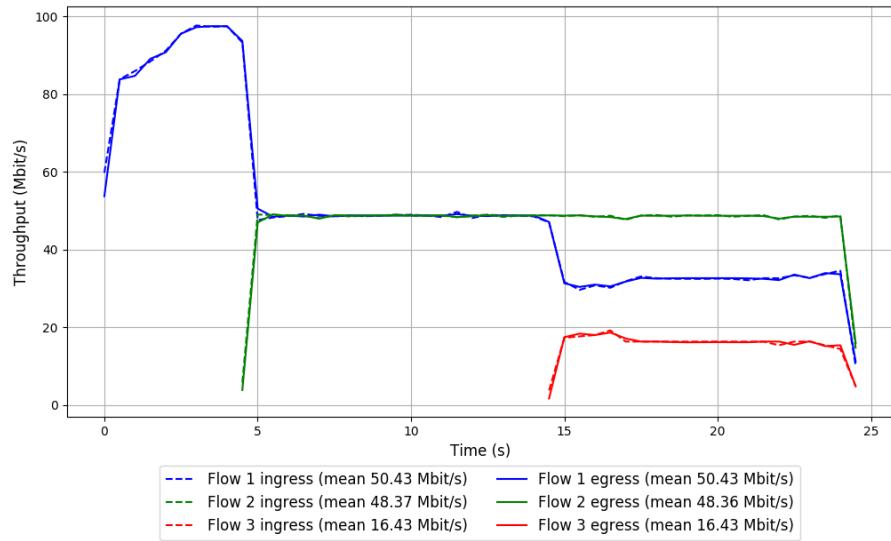


Run 8: Statistics of Indigo-calib

```
Start at: 2017-11-16 10:23:27
End at: 2017-11-16 10:23:57
Local clock offset: 4.643 ms
Remote clock offset: -19.967 ms

# Below is generated by plot.py at 2017-11-16 14:54:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 45.222 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 46.401 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 42.101 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 58.115 ms
Loss rate: 0.30%
```

Run 8: Report of Indigo-calib — Data Link

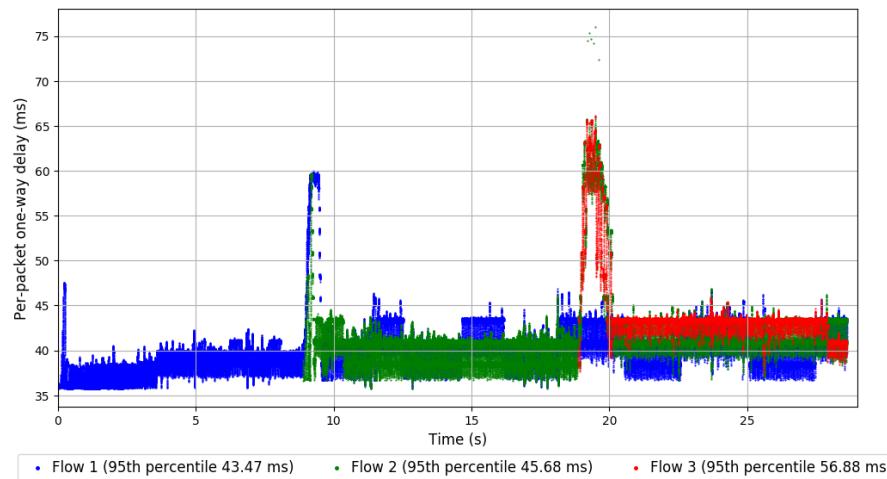
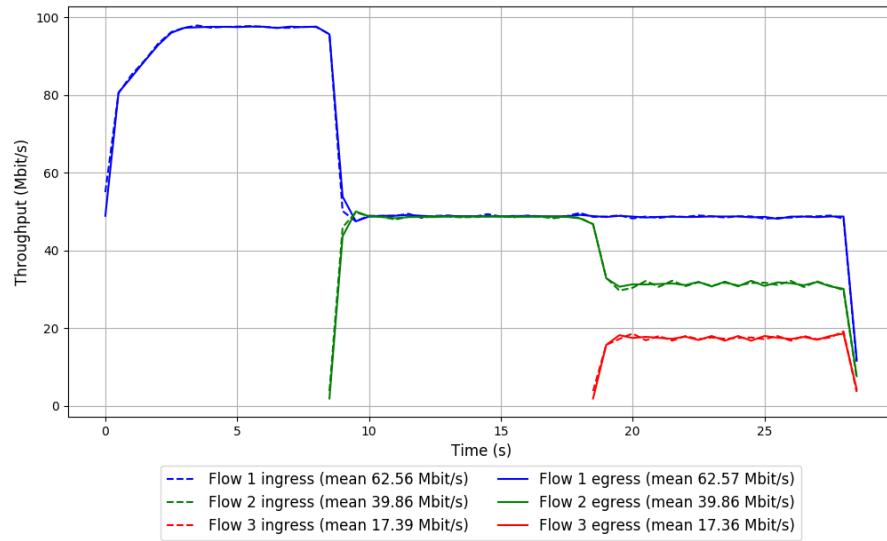


Run 9: Statistics of Indigo-calib

```
Start at: 2017-11-16 10:42:50
End at: 2017-11-16 10:43:20
Local clock offset: 3.114 ms
Remote clock offset: -18.294 ms

# Below is generated by plot.py at 2017-11-16 14:54:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 43.580 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 62.57 Mbit/s
95th percentile per-packet one-way delay: 43.465 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 45.684 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 56.878 ms
Loss rate: 0.31%
```

Run 9: Report of Indigo-calib — Data Link



```
Run 10: Statistics of Indigo-calib

Start at: 2017-11-16 11:01:59
End at: 2017-11-16 11:02:29
Local clock offset: 4.934 ms
Remote clock offset: -18.085 ms

# Below is generated by plot.py at 2017-11-16 14:54:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 46.943 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 46.739 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 53.012 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 43.533 ms
Loss rate: 0.33%
```

Run 10: Report of Indigo-calib — Data Link

