

## Pantheon Report

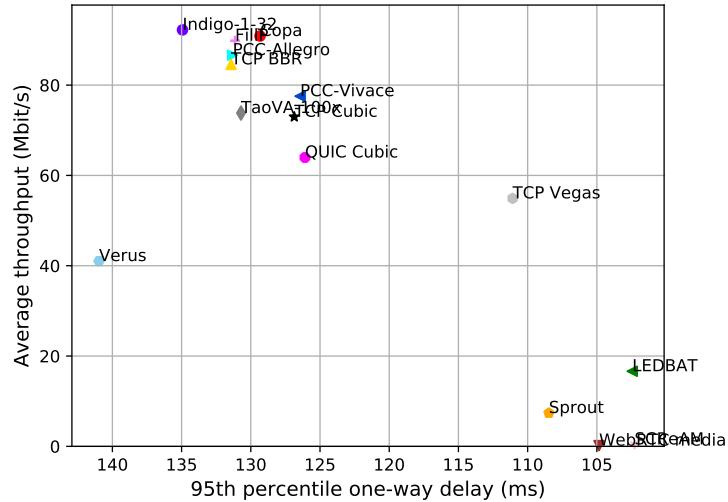
Generated at 2018-04-25 01:19:15 (UTC).  
Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.  
Increased UDP receive buffer 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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

Git summary:

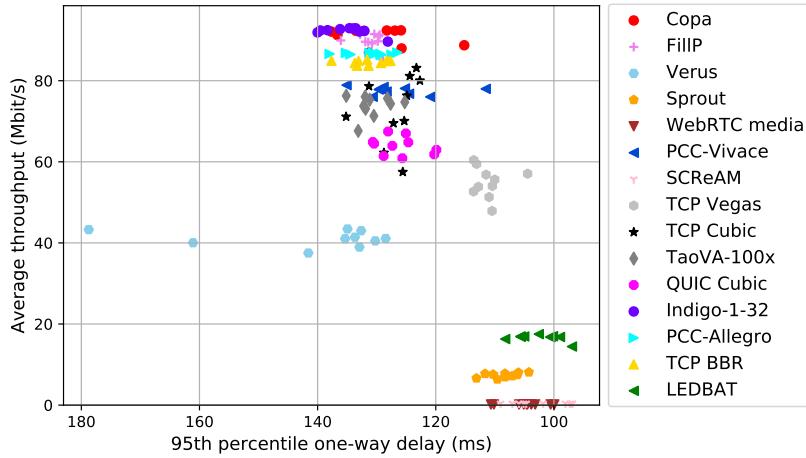
```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ 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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
```

third\_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows



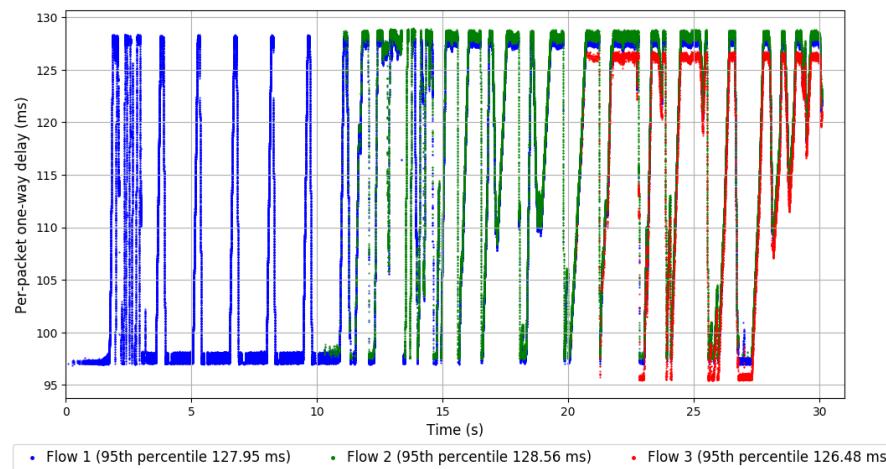
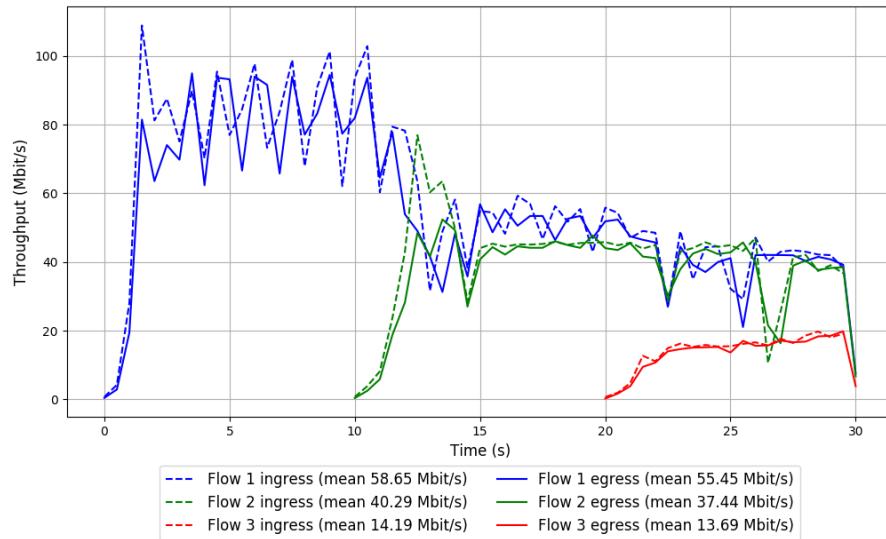


Run 1: Statistics of TCP BBR

```
Start at: 2018-04-24 20:53:09
End at: 2018-04-24 20:53:39
Local clock offset: -5.516 ms
Remote clock offset: 3.752 ms

# Below is generated by plot.py at 2018-04-25 00:54:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 128.338 ms
Loss rate: 5.74%
-- Flow 1:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 127.953 ms
Loss rate: 5.38%
-- Flow 2:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 128.558 ms
Loss rate: 6.96%
-- Flow 3:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 126.483 ms
Loss rate: 3.25%
```

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

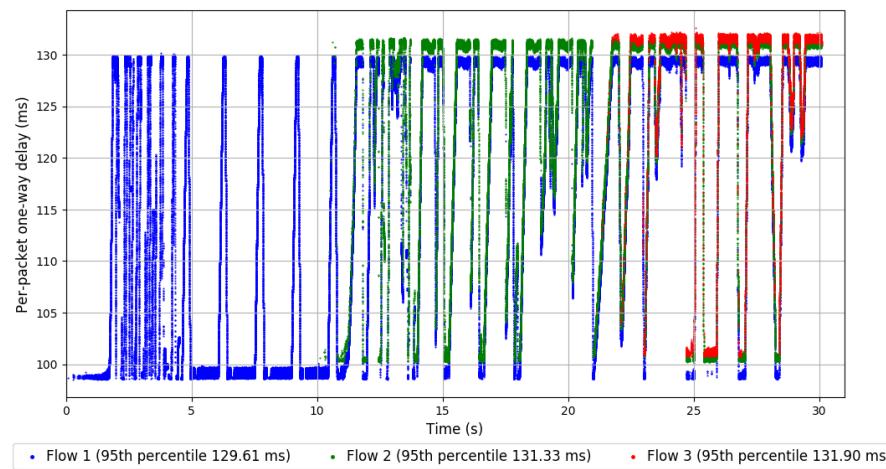
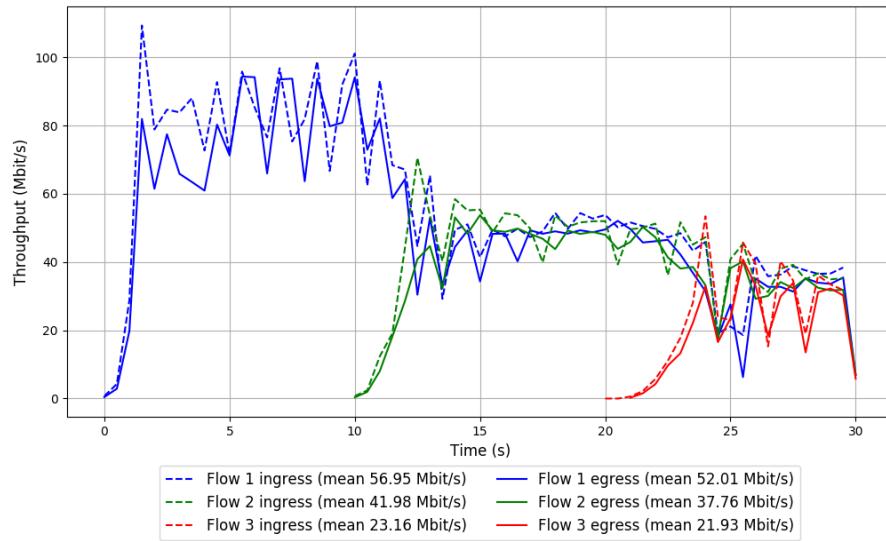


Run 2: Statistics of TCP BBR

```
Start at: 2018-04-24 21:15:45
End at: 2018-04-24 21:16:15
Local clock offset: -4.158 ms
Remote clock offset: 8.517 ms

# Below is generated by plot.py at 2018-04-25 00:54:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 131.388 ms
Loss rate: 9.50%
-- Flow 1:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 129.613 ms
Loss rate: 8.58%
-- Flow 2:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 131.334 ms
Loss rate: 9.91%
-- Flow 3:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 131.896 ms
Loss rate: 14.79%
```

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

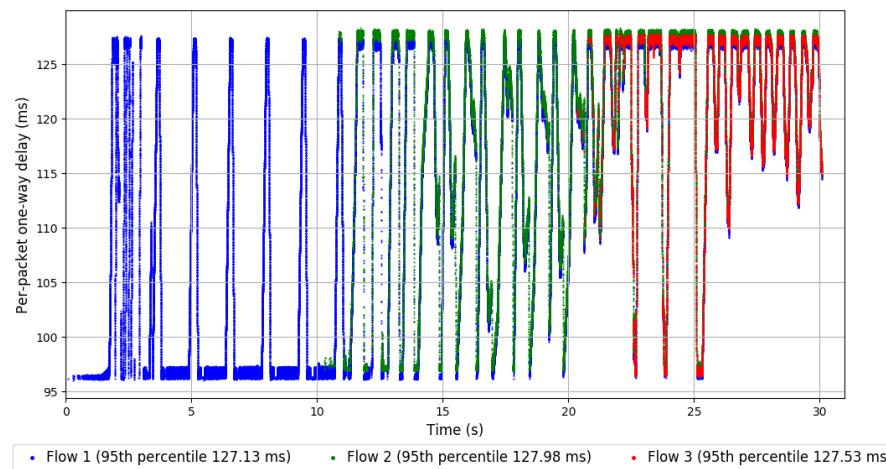
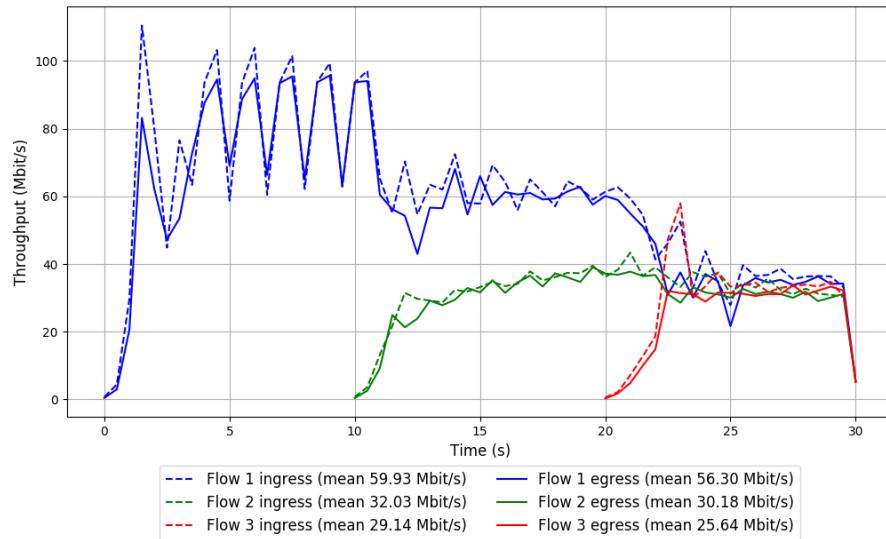


Run 3: Statistics of TCP BBR

```
Start at: 2018-04-24 21:38:21
End at: 2018-04-24 21:38:51
Local clock offset: -5.692 ms
Remote clock offset: 4.694 ms

# Below is generated by plot.py at 2018-04-25 00:54:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 127.670 ms
Loss rate: 6.57%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 127.131 ms
Loss rate: 6.00%
-- Flow 2:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 127.977 ms
Loss rate: 5.68%
-- Flow 3:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 127.529 ms
Loss rate: 12.09%
```

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

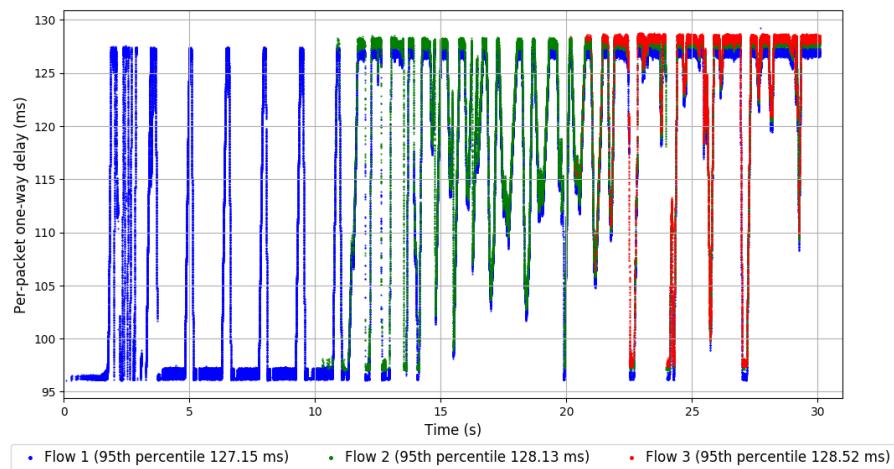
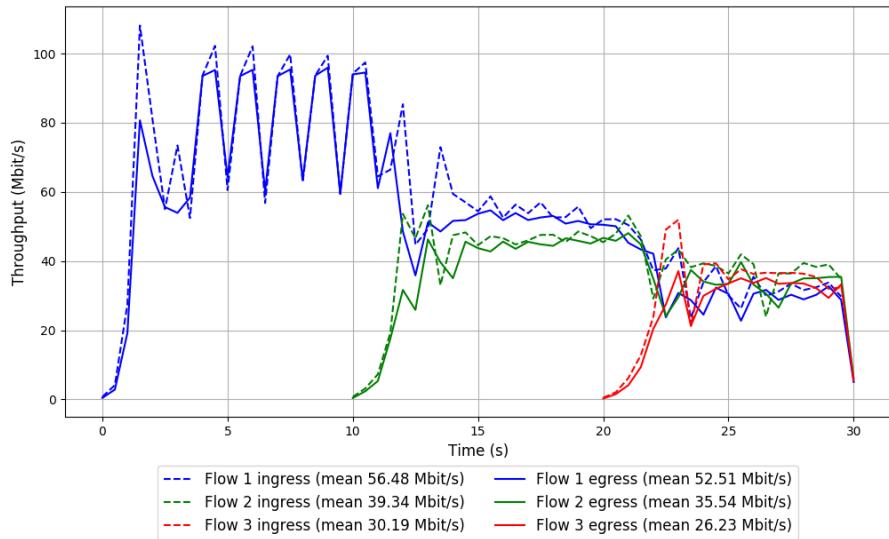


Run 4: Statistics of TCP BBR

```
Start at: 2018-04-24 22:00:51
End at: 2018-04-24 22:01:21
Local clock offset: -4.905 ms
Remote clock offset: 4.465 ms

# Below is generated by plot.py at 2018-04-25 00:54:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 128.182 ms
Loss rate: 8.34%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 127.147 ms
Loss rate: 6.94%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 128.130 ms
Loss rate: 9.54%
-- Flow 3:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 128.519 ms
Loss rate: 13.14%
```

Run 4: Report of TCP BBR — Data Link

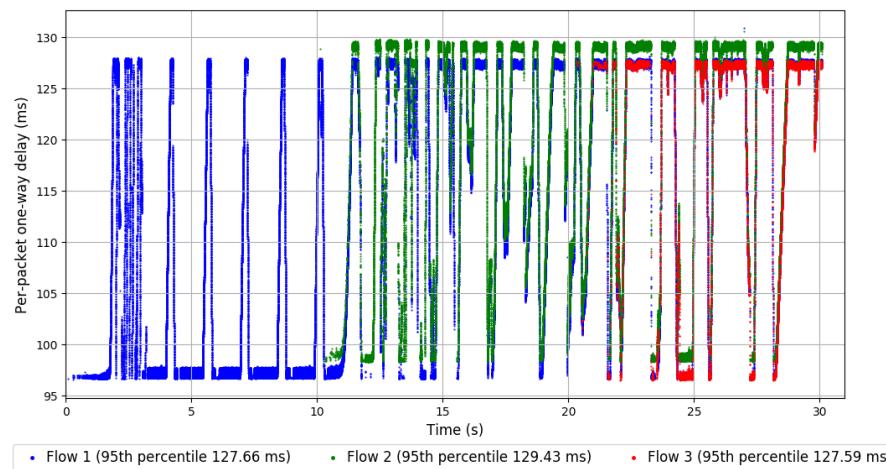
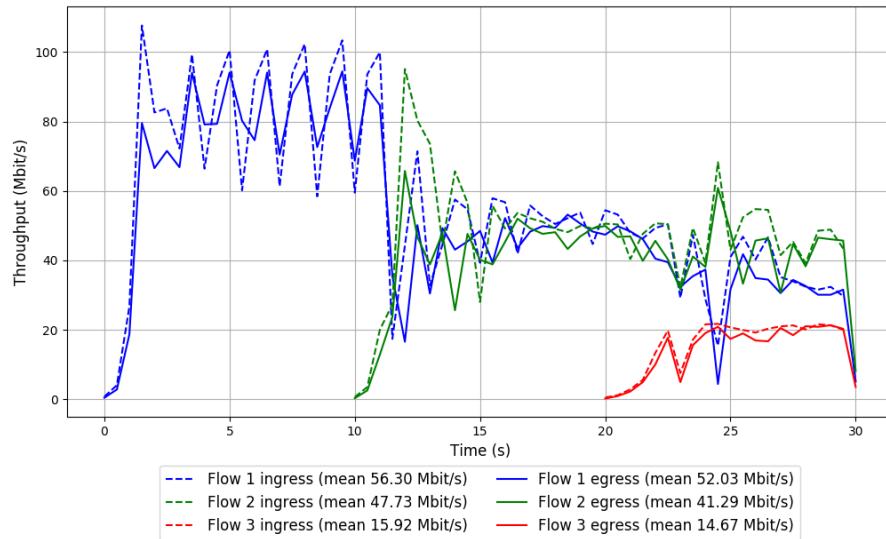


Run 5: Statistics of TCP BBR

```
Start at: 2018-04-24 22:23:24
End at: 2018-04-24 22:23:54
Local clock offset: -4.588 ms
Remote clock offset: 4.257 ms

# Below is generated by plot.py at 2018-04-25 00:54:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 129.272 ms
Loss rate: 9.54%
-- Flow 1:
Average throughput: 52.03 Mbit/s
95th percentile per-packet one-way delay: 127.660 ms
Loss rate: 7.49%
-- Flow 2:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 129.427 ms
Loss rate: 13.49%
-- Flow 3:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: 127.586 ms
Loss rate: 7.65%
```

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

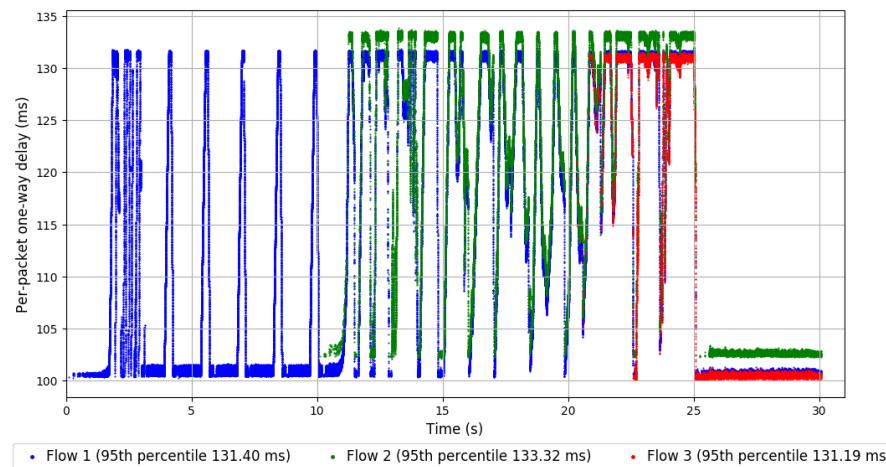
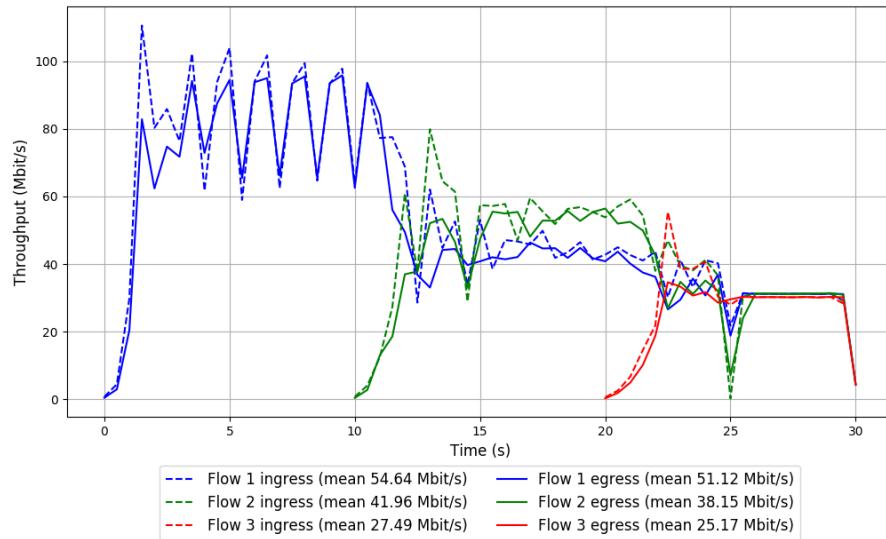


Run 6: Statistics of TCP BBR

```
Start at: 2018-04-24 22:45:55
End at: 2018-04-24 22:46:25
Local clock offset: -6.194 ms
Remote clock offset: 7.858 ms

# Below is generated by plot.py at 2018-04-25 00:54:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 133.083 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 131.395 ms
Loss rate: 6.43%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 133.324 ms
Loss rate: 9.07%
-- Flow 3:
Average throughput: 25.17 Mbit/s
95th percentile per-packet one-way delay: 131.191 ms
Loss rate: 8.65%
```

Run 6: Report of TCP BBR — Data Link

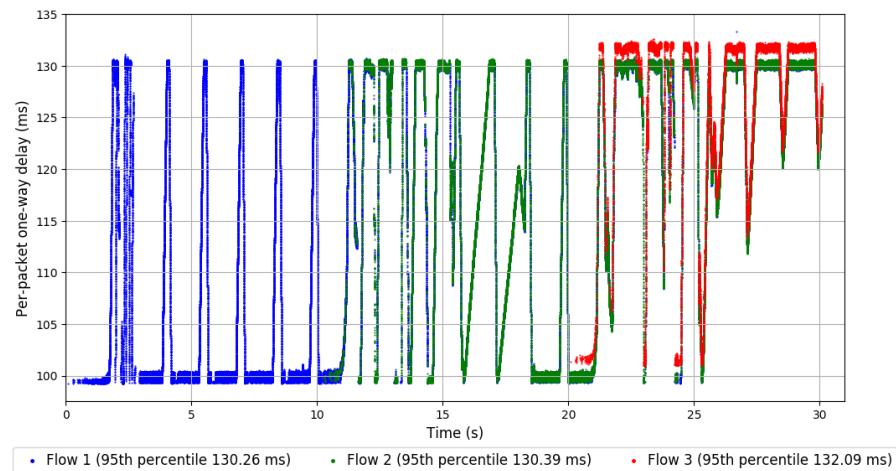
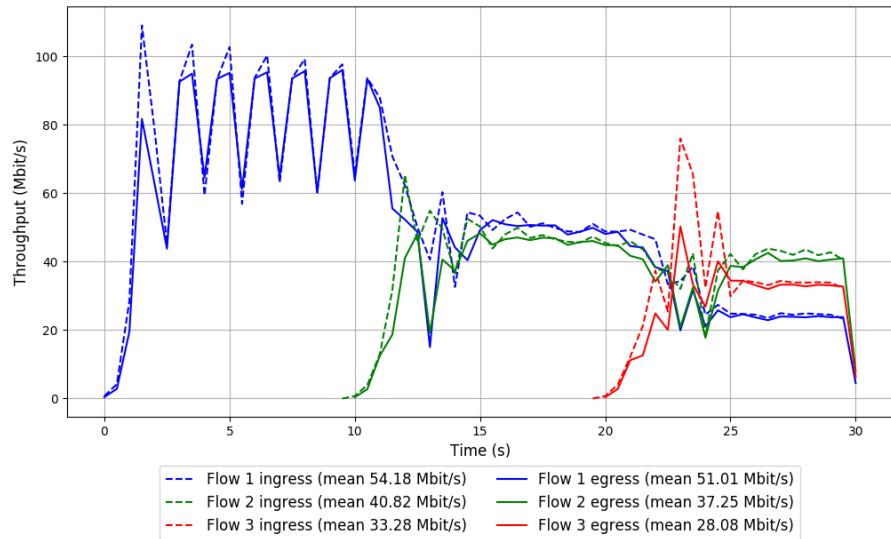


Run 7: Statistics of TCP BBR

```
Start at: 2018-04-24 23:08:31
End at: 2018-04-24 23:09:01
Local clock offset: -4.366 ms
Remote clock offset: 6.502 ms

# Below is generated by plot.py at 2018-04-25 00:54:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 131.619 ms
Loss rate: 7.76%
-- Flow 1:
Average throughput: 51.01 Mbit/s
95th percentile per-packet one-way delay: 130.259 ms
Loss rate: 5.76%
-- Flow 2:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 130.389 ms
Loss rate: 8.62%
-- Flow 3:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 132.091 ms
Loss rate: 15.41%
```

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

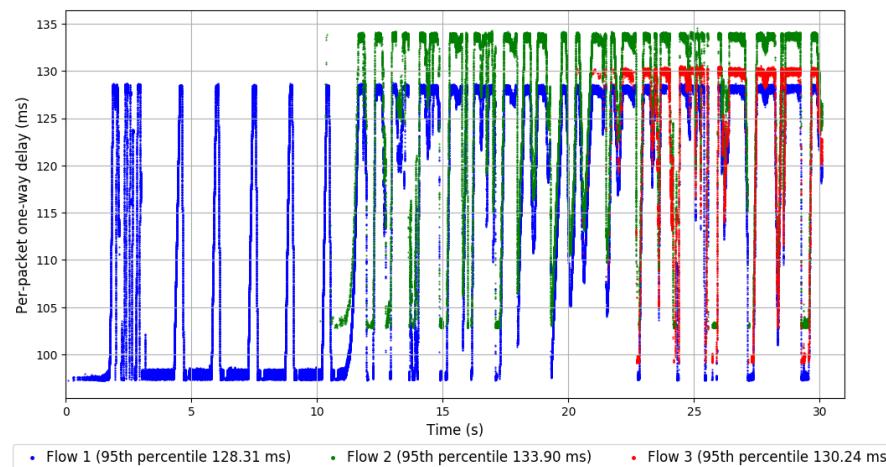
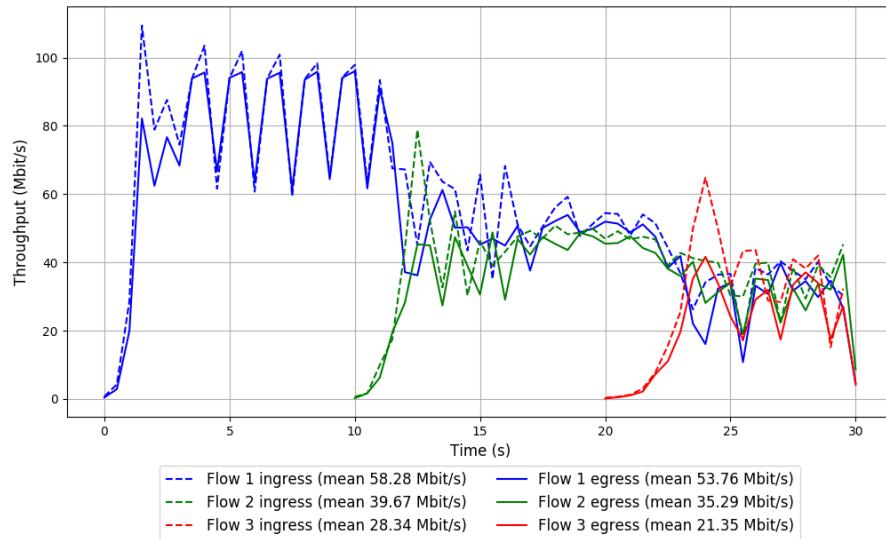


Run 8: Statistics of TCP BBR

```
Start at: 2018-04-24 23:31:06
End at: 2018-04-24 23:31:36
Local clock offset: -5.04 ms
Remote clock offset: 3.2 ms

# Below is generated by plot.py at 2018-04-25 00:54:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 133.710 ms
Loss rate: 10.30%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 128.315 ms
Loss rate: 7.68%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 133.904 ms
Loss rate: 10.97%
-- Flow 3:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 130.242 ms
Loss rate: 24.57%
```

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

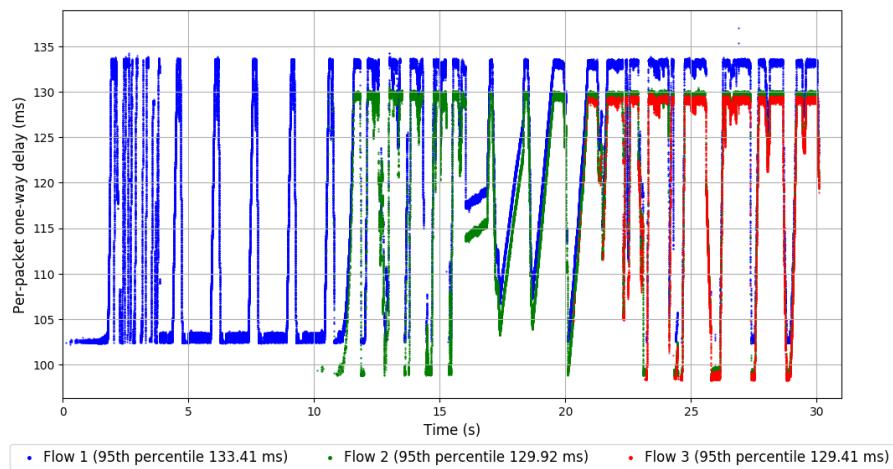
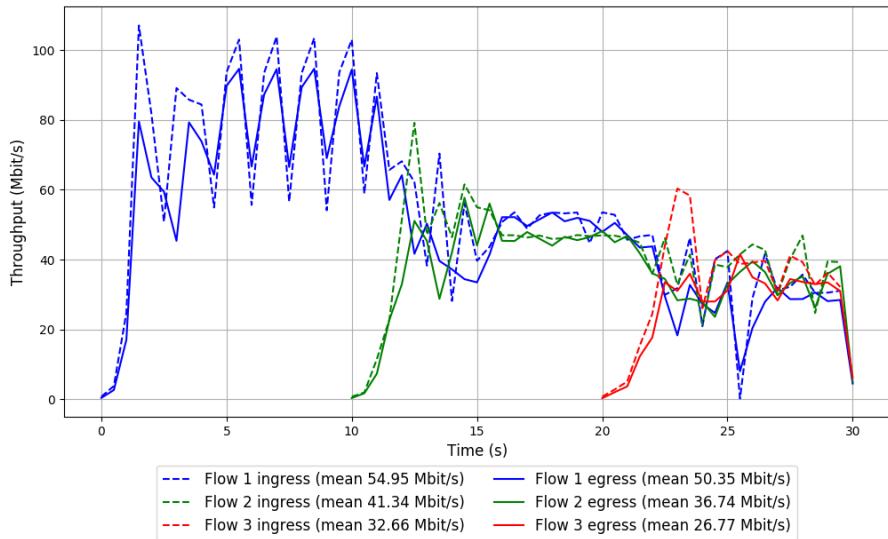


Run 9: Statistics of TCP BBR

```
Start at: 2018-04-24 23:53:19
End at: 2018-04-24 23:53:49
Local clock offset: -4.228 ms
Remote clock offset: 6.666 ms

# Below is generated by plot.py at 2018-04-25 00:56:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 133.316 ms
Loss rate: 10.23%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 133.407 ms
Loss rate: 8.33%
-- Flow 2:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 129.923 ms
Loss rate: 11.04%
-- Flow 3:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 129.407 ms
Loss rate: 17.87%
```

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

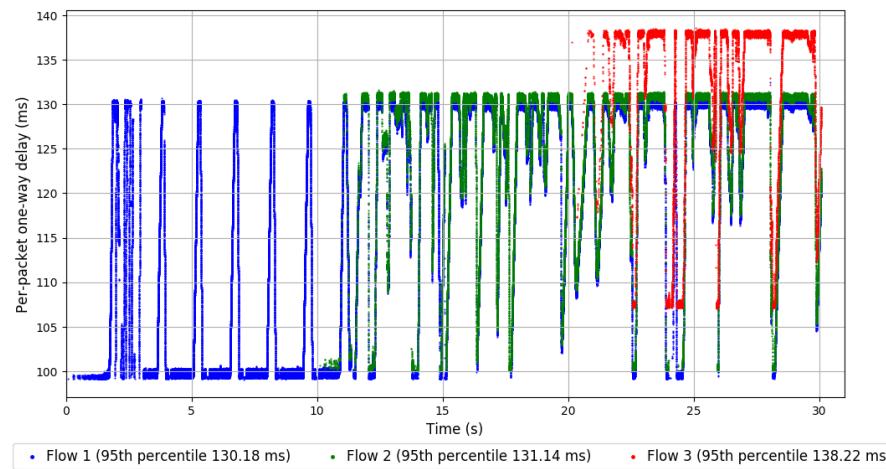
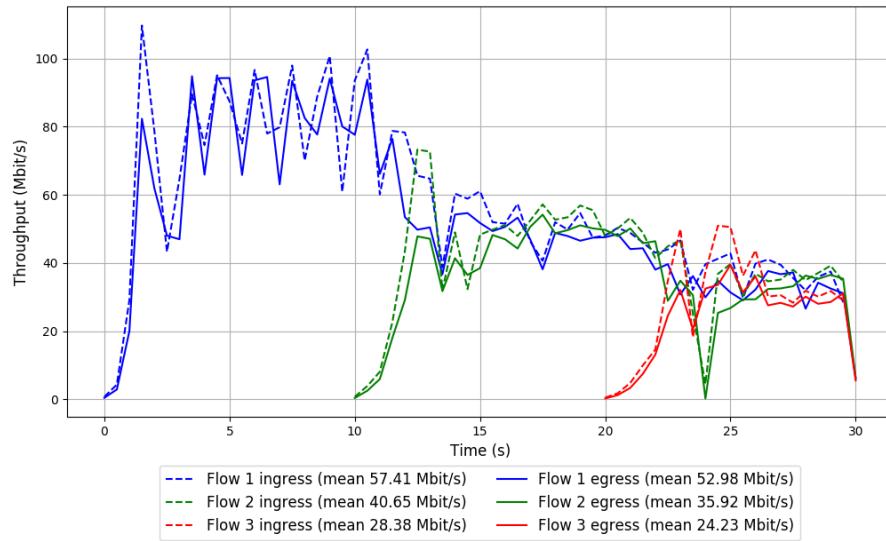


Run 10: Statistics of TCP BBR

```
Start at: 2018-04-25 00:15:57
End at: 2018-04-25 00:16:27
Local clock offset: -5.058 ms
Remote clock offset: 6.129 ms

# Below is generated by plot.py at 2018-04-25 00:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 137.656 ms
Loss rate: 9.47%
-- Flow 1:
Average throughput: 52.98 Mbit/s
95th percentile per-packet one-way delay: 130.180 ms
Loss rate: 7.63%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 131.142 ms
Loss rate: 11.54%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 138.219 ms
Loss rate: 14.75%
```

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

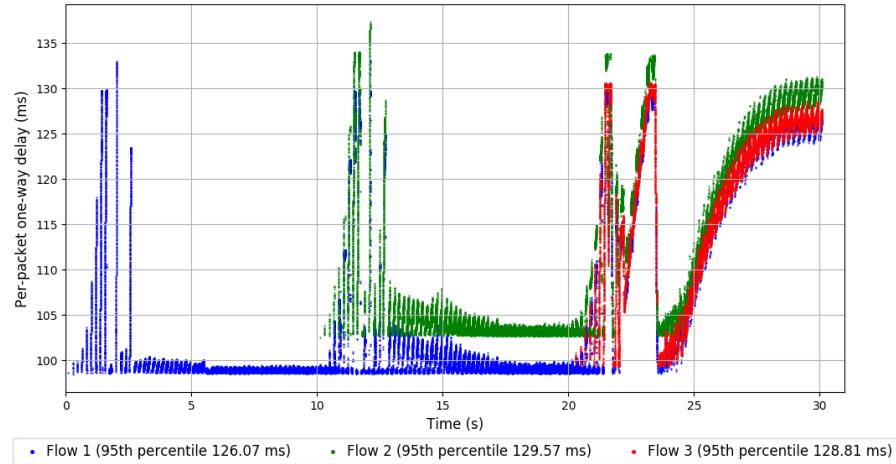
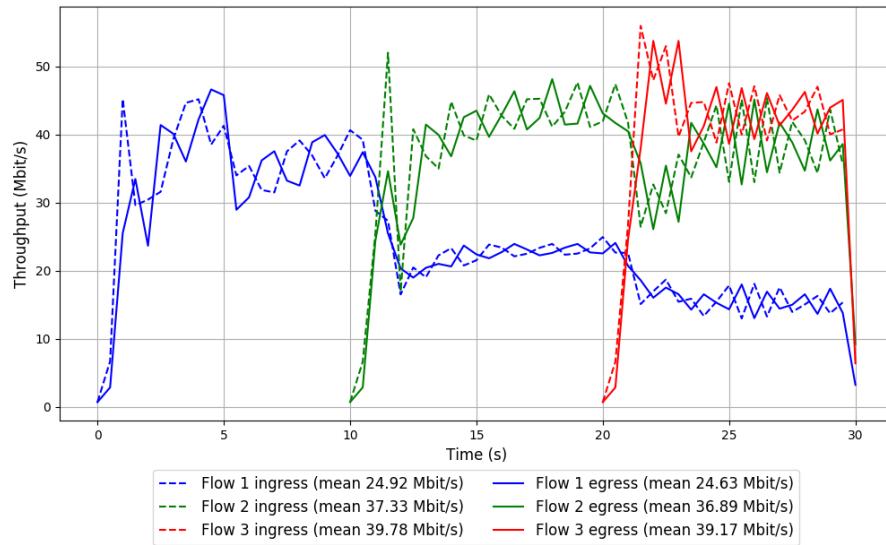


Run 1: Statistics of TCP Cubic

```
Start at: 2018-04-24 20:45:20
End at: 2018-04-24 20:45:50
Local clock offset: -5.589 ms
Remote clock offset: 3.419 ms

# Below is generated by plot.py at 2018-04-25 00:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 128.778 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 126.066 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 129.573 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 128.805 ms
Loss rate: 1.27%
```

Run 1: Report of TCP Cubic — Data Link

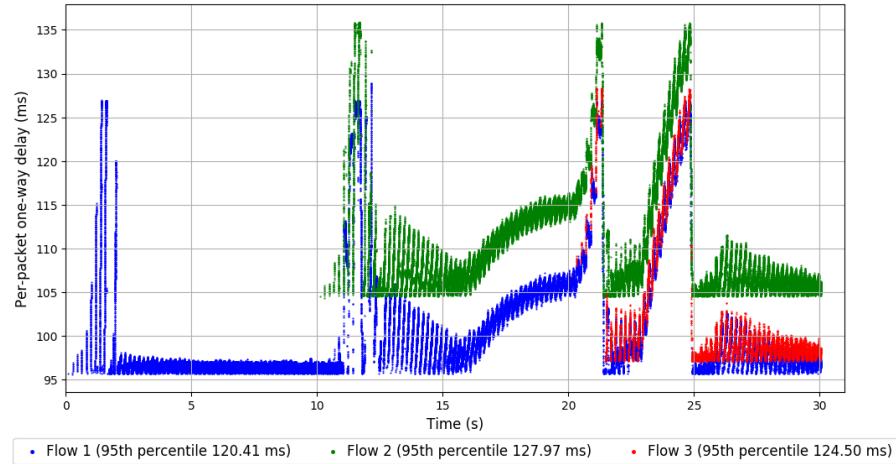
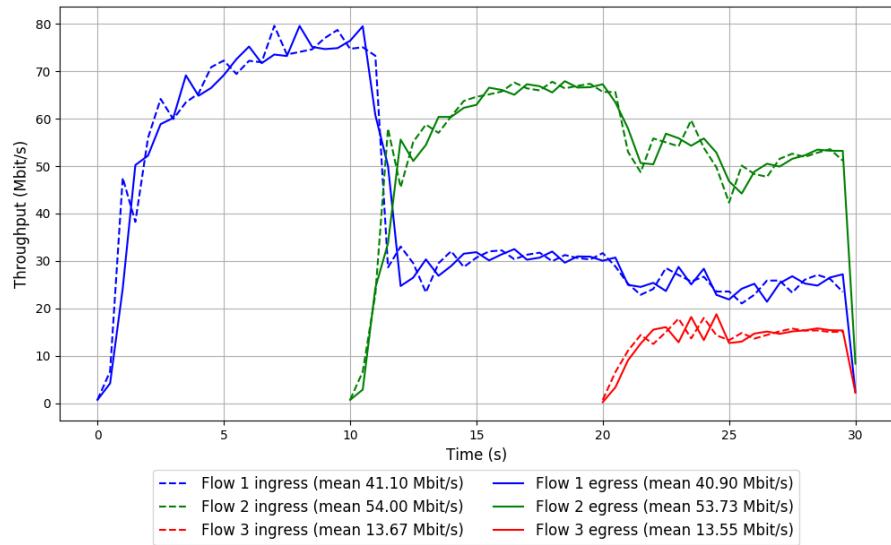


Run 2: Statistics of TCP Cubic

```
Start at: 2018-04-24 21:07:56
End at: 2018-04-24 21:08:26
Local clock offset: -4.964 ms
Remote clock offset: 4.703 ms

# Below is generated by plot.py at 2018-04-25 00:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.16 Mbit/s
95th percentile per-packet one-way delay: 124.398 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 120.411 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 127.974 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 124.501 ms
Loss rate: 0.94%
```

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

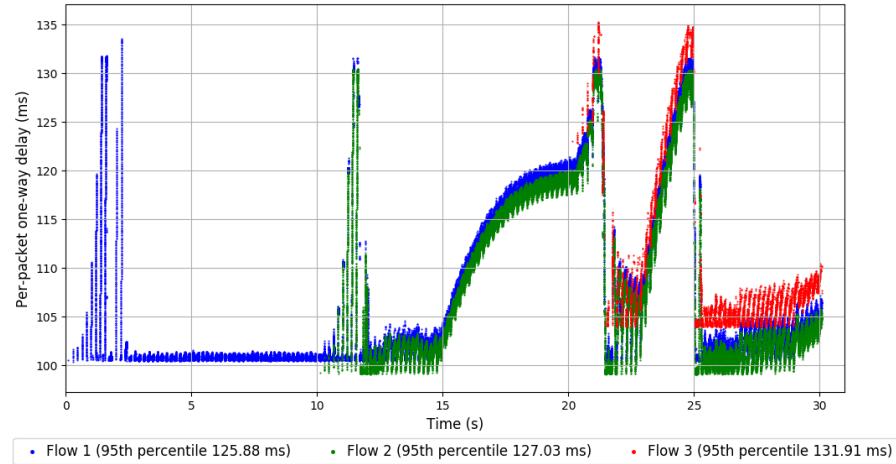
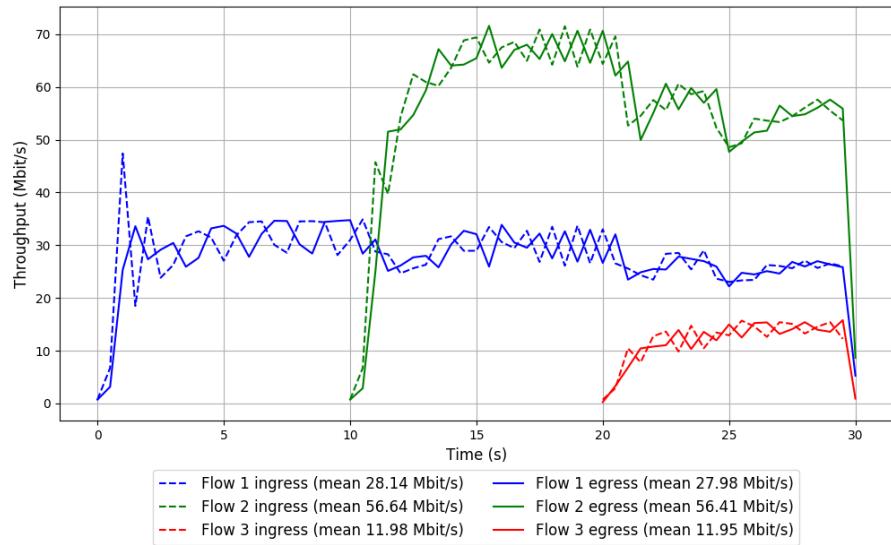


Run 3: Statistics of TCP Cubic

```
Start at: 2018-04-24 21:30:26
End at: 2018-04-24 21:30:56
Local clock offset: -4.125 ms
Remote clock offset: 8.459 ms

# Below is generated by plot.py at 2018-04-25 00:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 127.159 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 125.876 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 127.027 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 131.911 ms
Loss rate: 0.43%
```

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

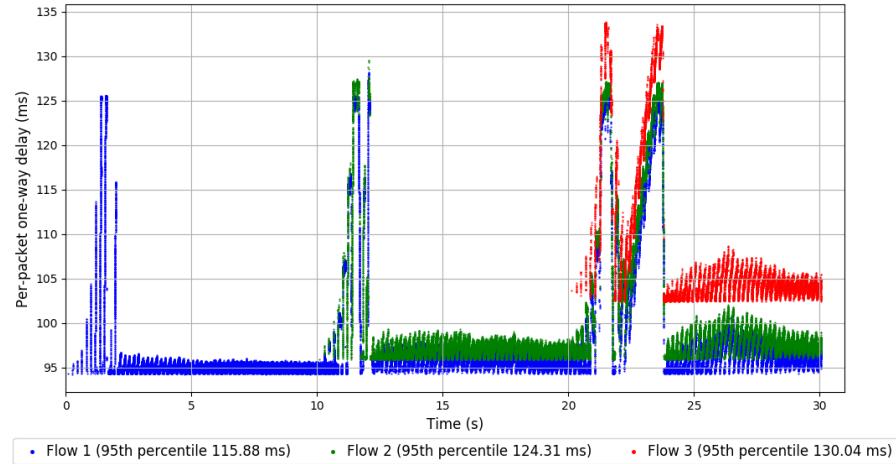
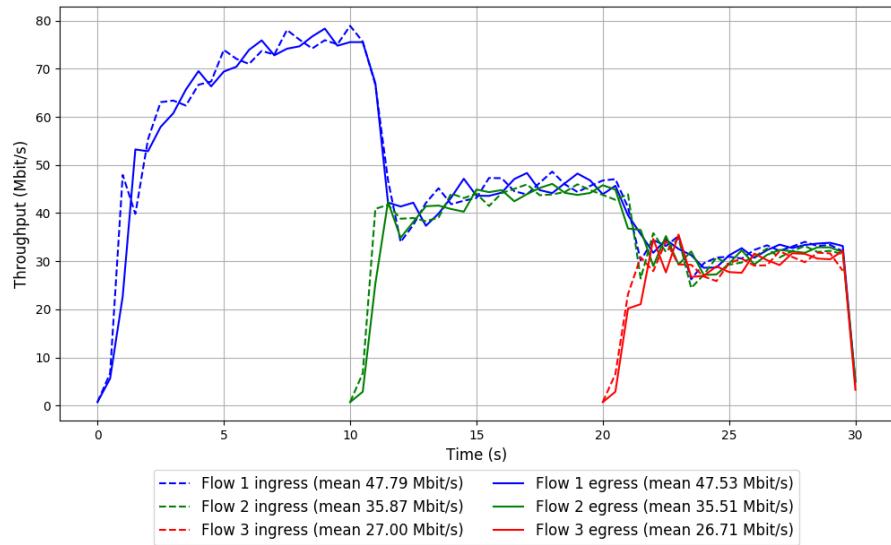


Run 4: Statistics of TCP Cubic

```
Start at: 2018-04-24 21:53:01
End at: 2018-04-24 21:53:31
Local clock offset: -4.986 ms
Remote clock offset: 4.576 ms

# Below is generated by plot.py at 2018-04-25 00:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.04 Mbit/s
95th percentile per-packet one-way delay: 122.686 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 115.882 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 124.309 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 130.038 ms
Loss rate: 1.12%
```

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

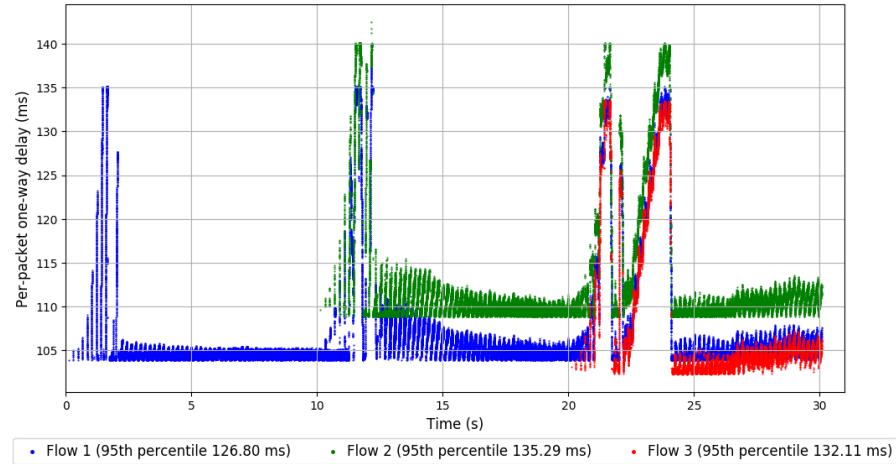
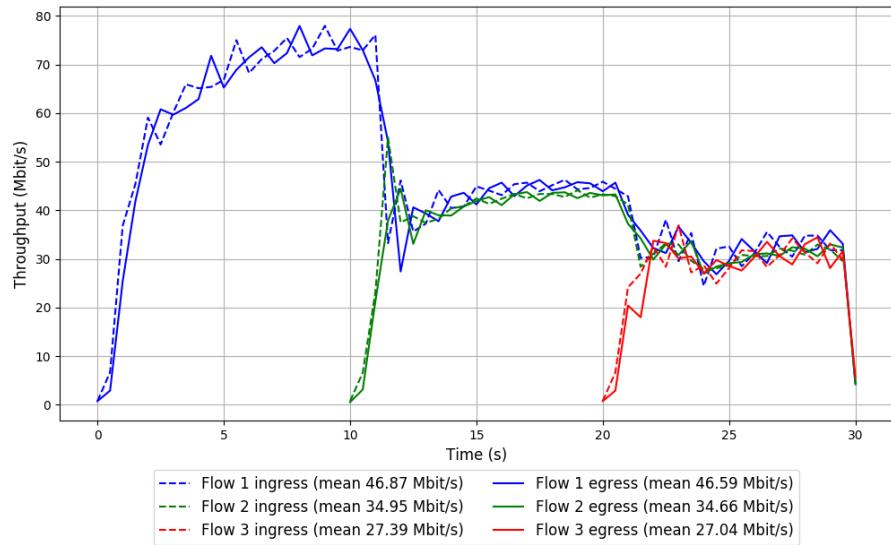


Run 5: Statistics of TCP Cubic

```
Start at: 2018-04-24 22:15:32
End at: 2018-04-24 22:16:02
Local clock offset: -5.174 ms
Remote clock offset: 8.866 ms

# Below is generated by plot.py at 2018-04-25 00:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 131.305 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 126.803 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 135.289 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 132.106 ms
Loss rate: 1.22%
```

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

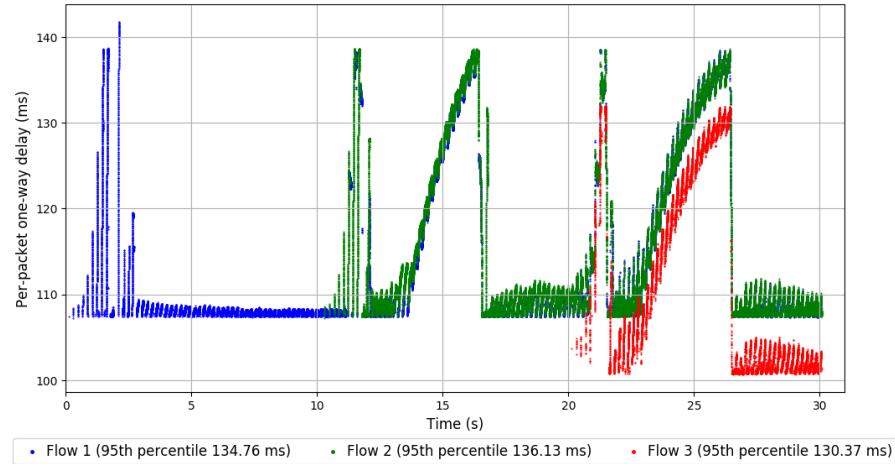
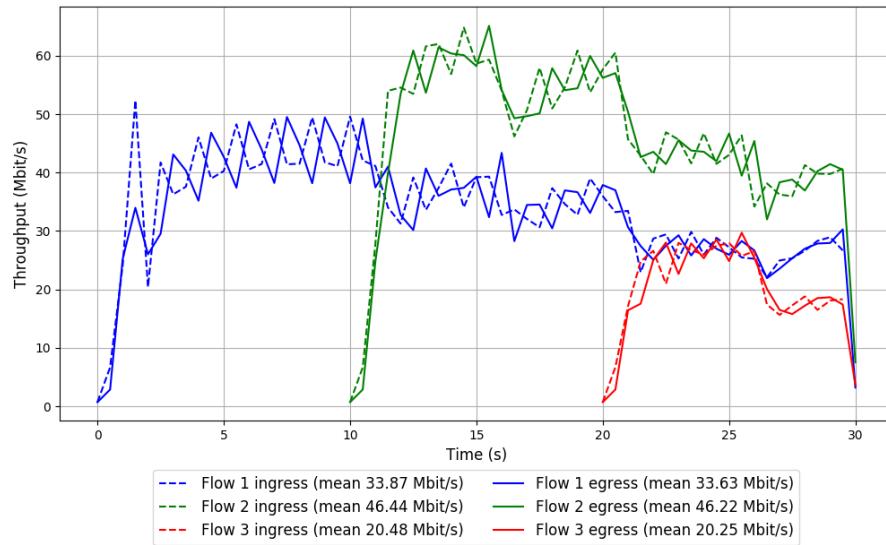


Run 6: Statistics of TCP Cubic

```
Start at: 2018-04-24 22:38:04
End at: 2018-04-24 22:38:34
Local clock offset: -6.249 ms
Remote clock offset: 7.91 ms

# Below is generated by plot.py at 2018-04-25 00:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.13 Mbit/s
95th percentile per-packet one-way delay: 135.177 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 134.762 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 136.135 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 130.374 ms
Loss rate: 1.11%
```

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

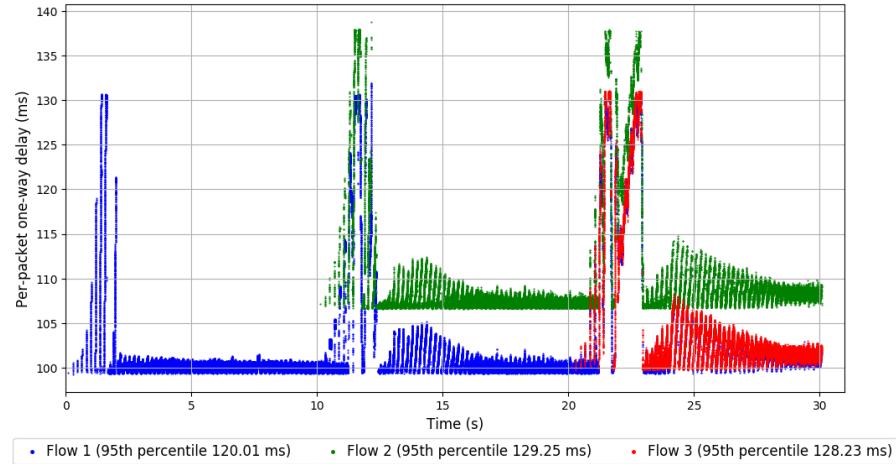
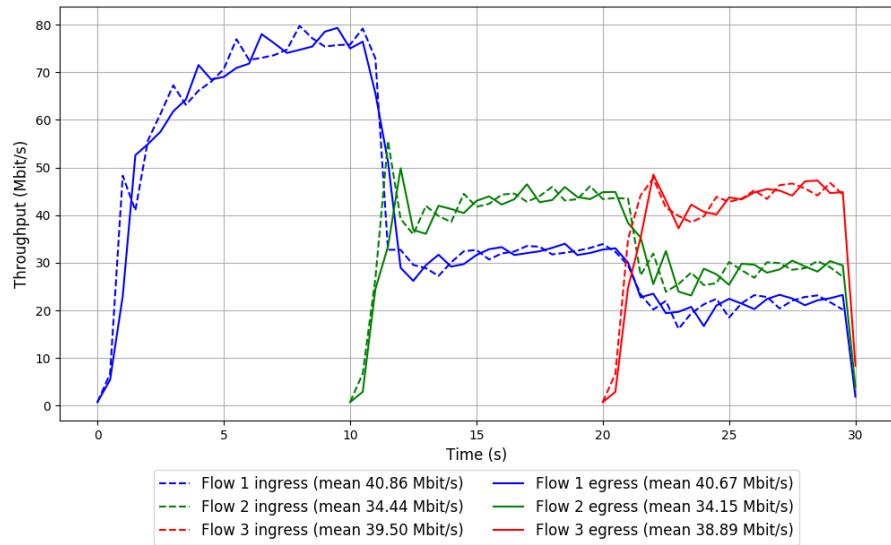


Run 7: Statistics of TCP Cubic

```
Start at: 2018-04-24 23:00:37
End at: 2018-04-24 23:01:07
Local clock offset: -5.212 ms
Remote clock offset: 7.687 ms

# Below is generated by plot.py at 2018-04-25 00:57:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 124.889 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 120.010 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 129.245 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 128.232 ms
Loss rate: 1.54%
```

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

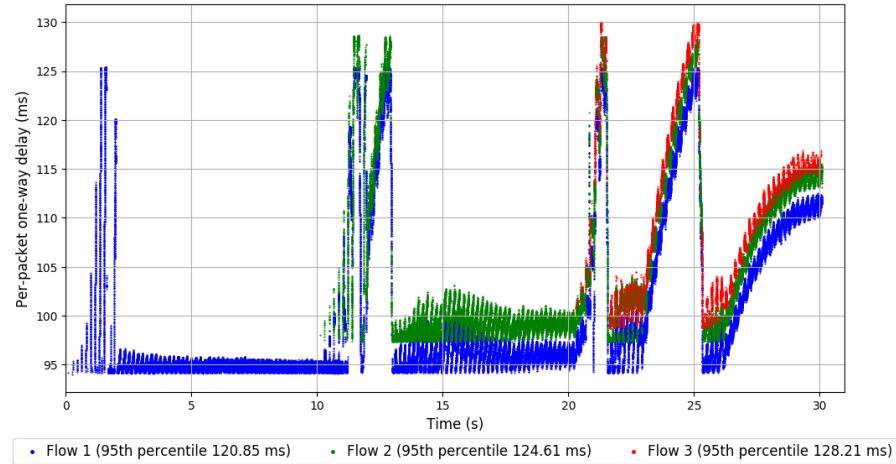
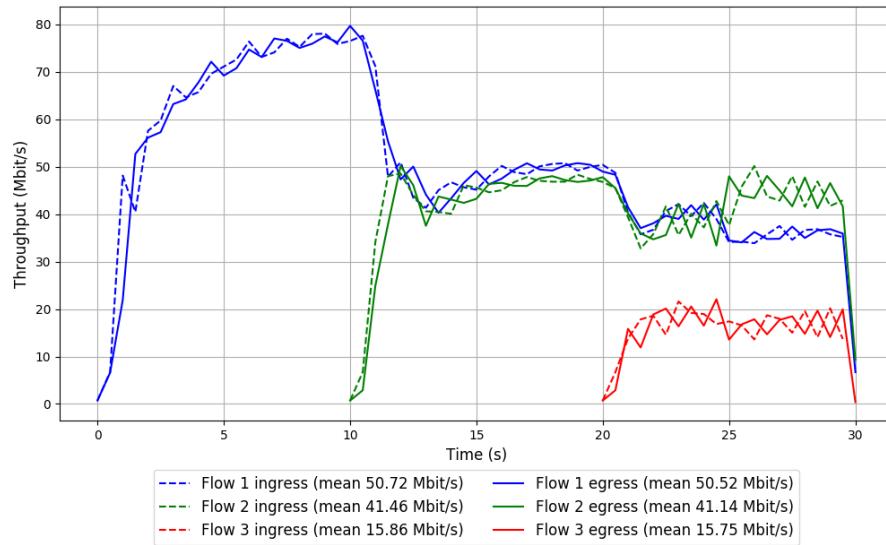


Run 8: Statistics of TCP Cubic

```
Start at: 2018-04-24 23:23:16
End at: 2018-04-24 23:23:46
Local clock offset: -5.865 ms
Remote clock offset: 2.457 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 123.278 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 50.52 Mbit/s
95th percentile per-packet one-way delay: 120.853 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 124.605 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 128.205 ms
Loss rate: 0.58%
```

Run 8: Report of TCP Cubic — Data Link

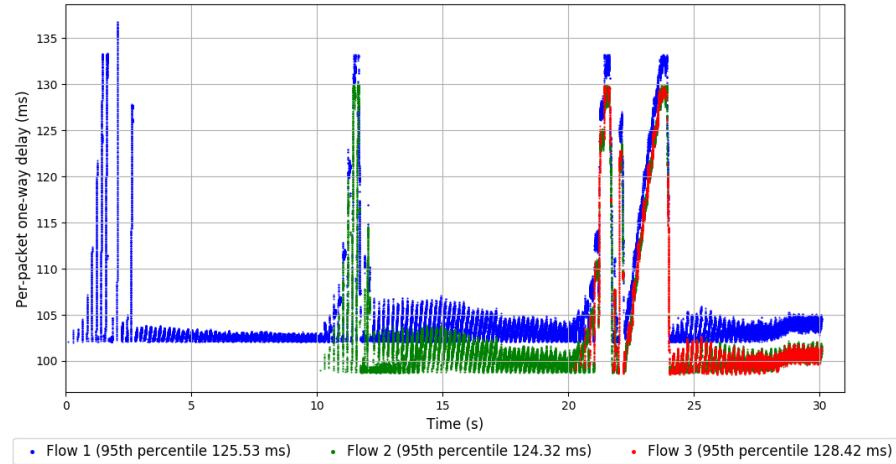
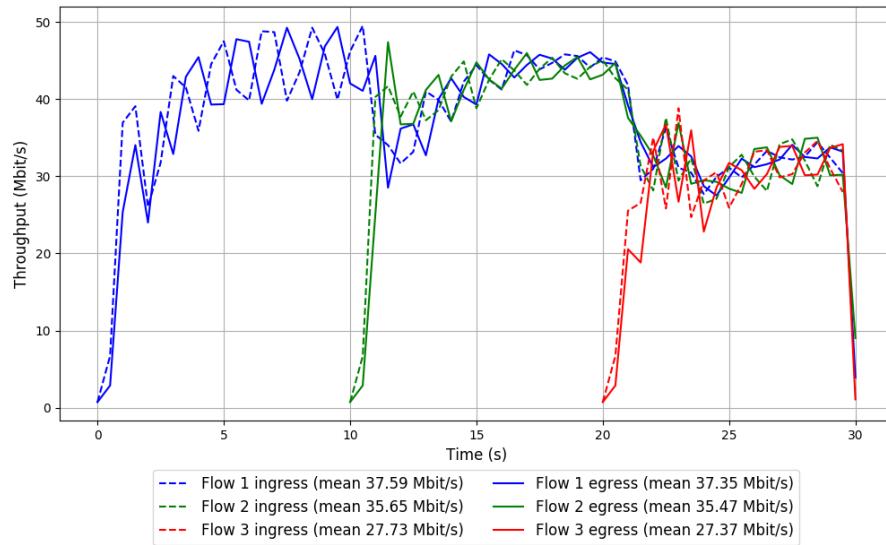


Run 9: Statistics of TCP Cubic

```
Start at: 2018-04-24 23:45:30
End at: 2018-04-24 23:46:00
Local clock offset: -4.947 ms
Remote clock offset: 6.02 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.07 Mbit/s
95th percentile per-packet one-way delay: 125.336 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 125.529 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 124.317 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 128.418 ms
Loss rate: 1.26%
```

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

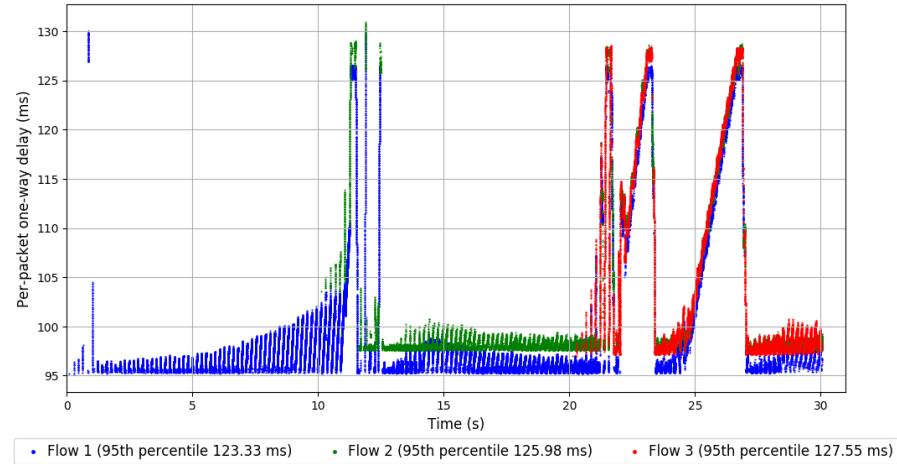
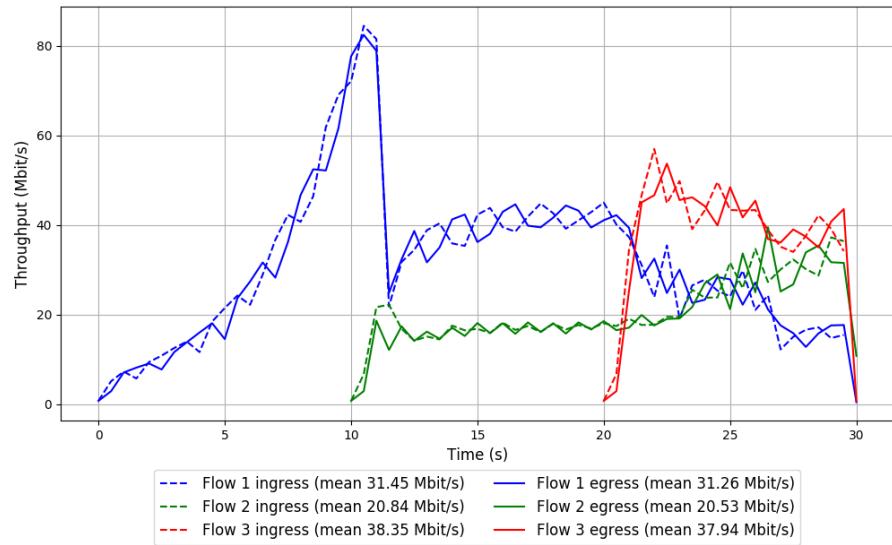


Run 10: Statistics of TCP Cubic

```
Start at: 2018-04-25 00:08:07
End at: 2018-04-25 00:08:37
Local clock offset: -5.789 ms
Remote clock offset: 1.905 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.50 Mbit/s
95th percentile per-packet one-way delay: 125.586 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 123.326 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 125.979 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 127.549 ms
Loss rate: 1.06%
```

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

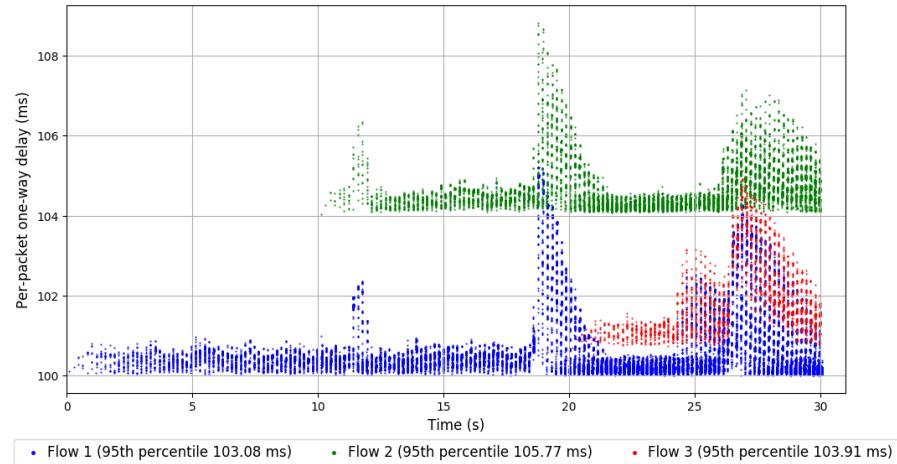
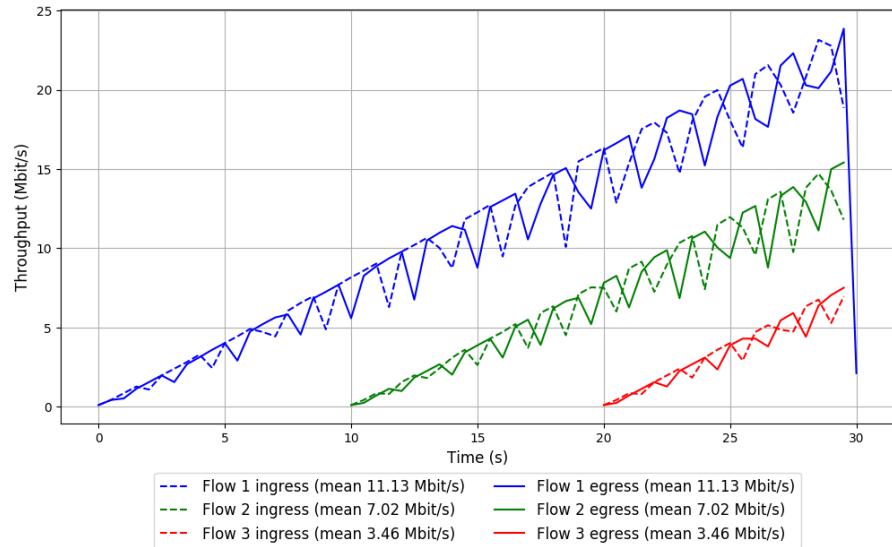


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-04-24 20:58:20
End at: 2018-04-24 20:58:50
Local clock offset: -3.961 ms
Remote clock offset: 8.379 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 105.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 103.079 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 105.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 103.906 ms
Loss rate: 0.00%
```

## Run 1: Report of LEDBAT — Data Link

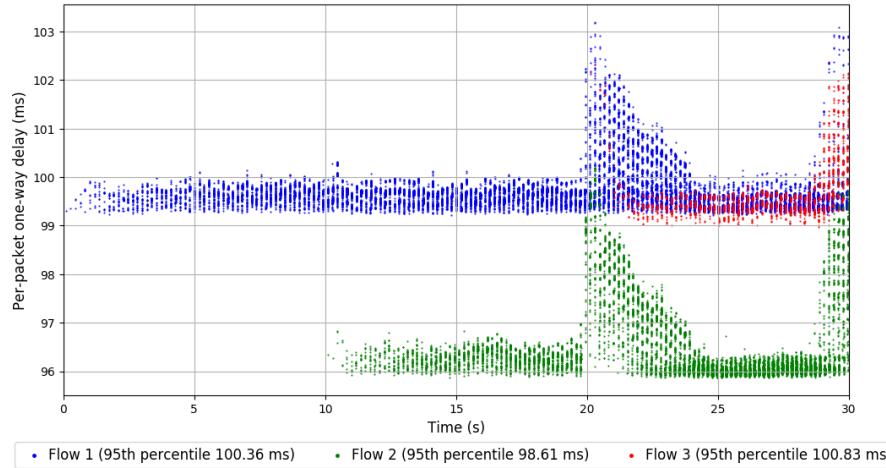
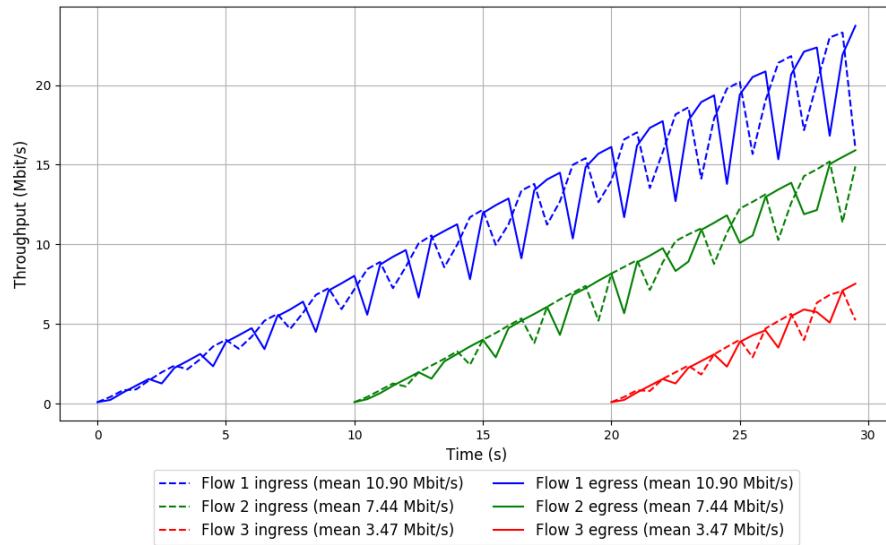


Run 2: Statistics of LEDBAT

```
Start at: 2018-04-24 21:20:56
End at: 2018-04-24 21:21:26
Local clock offset: -5.691 ms
Remote clock offset: 3.879 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 100.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: 100.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 98.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 100.834 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

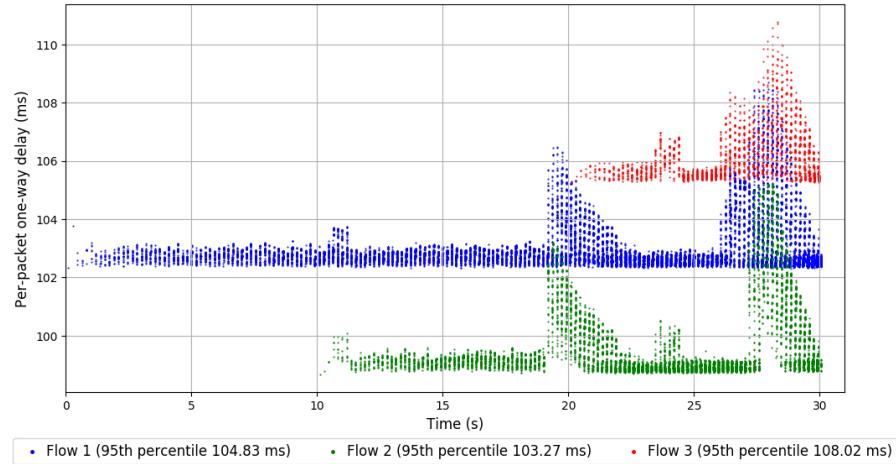
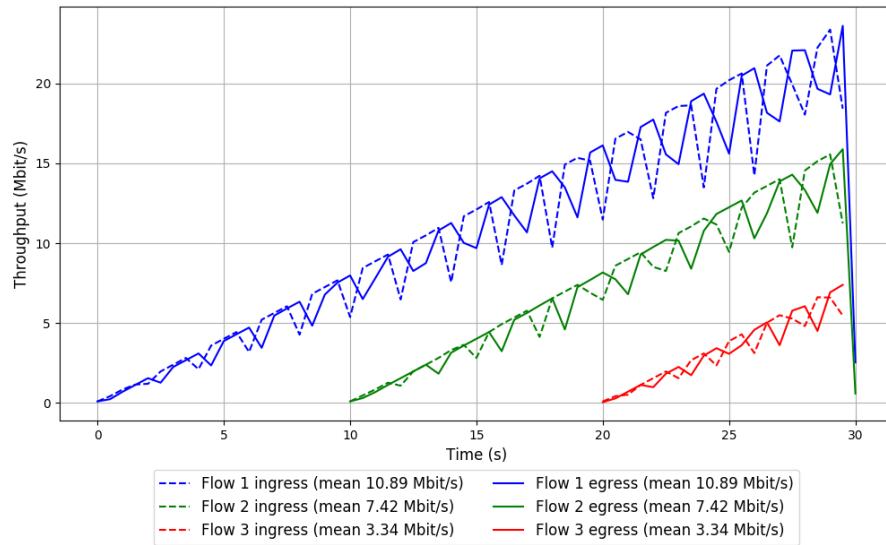


Run 3: Statistics of LEDBAT

```
Start at: 2018-04-24 21:43:32
End at: 2018-04-24 21:44:02
Local clock offset: -4.17 ms
Remote clock offset: 8.344 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 105.674 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 104.833 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 103.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 108.023 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

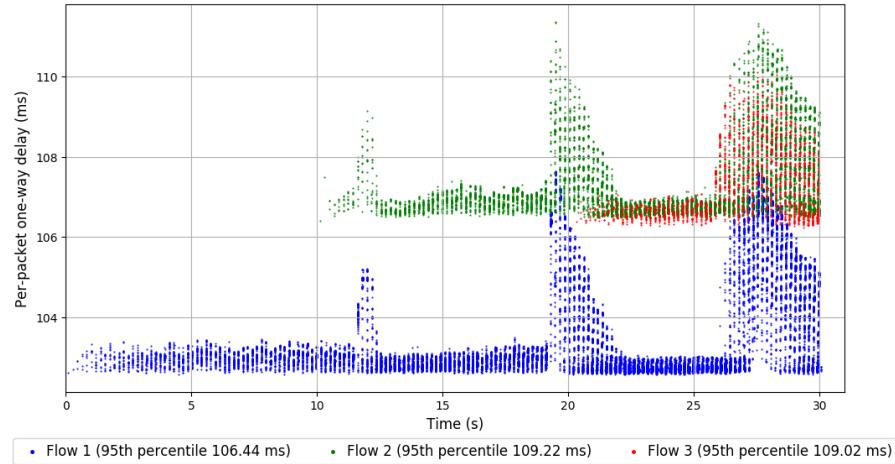
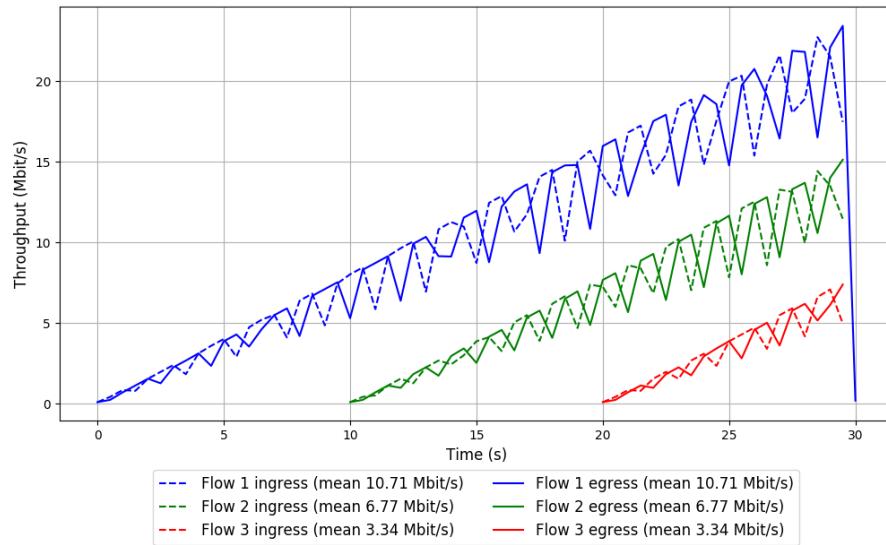


Run 4: Statistics of LEDBAT

```
Start at: 2018-04-24 22:06:01
End at: 2018-04-24 22:06:31
Local clock offset: -4.844 ms
Remote clock offset: 8.118 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 108.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 106.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 109.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 109.019 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

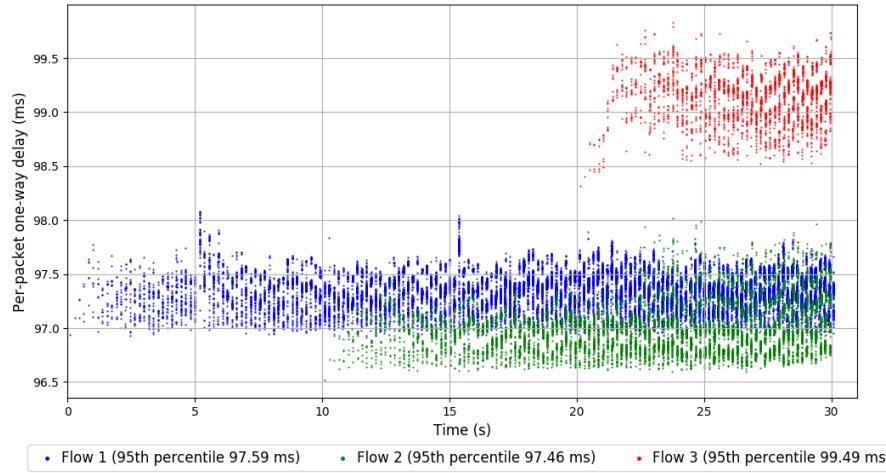
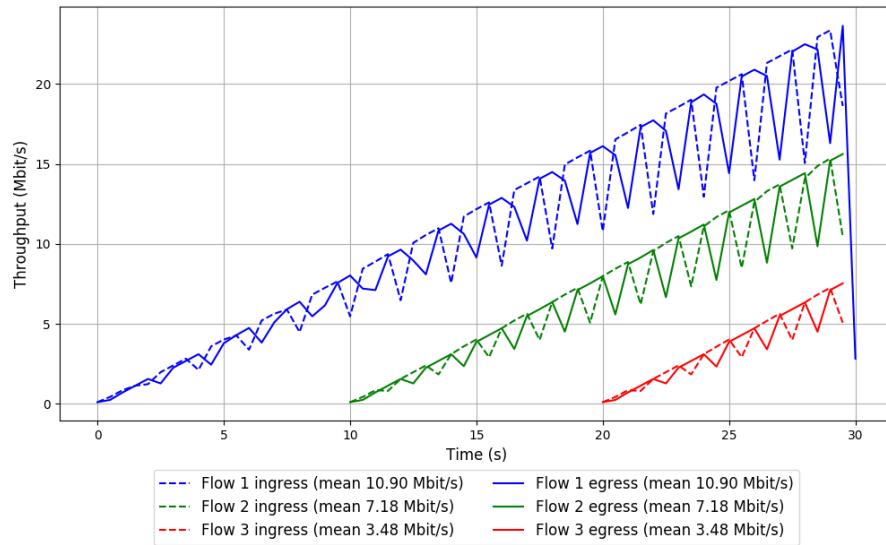


Run 5: Statistics of LEDBAT

```
Start at: 2018-04-24 22:28:35
End at: 2018-04-24 22:29:05
Local clock offset: -5.454 ms
Remote clock offset: 3.343 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 98.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: 97.592 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 97.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 99.494 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

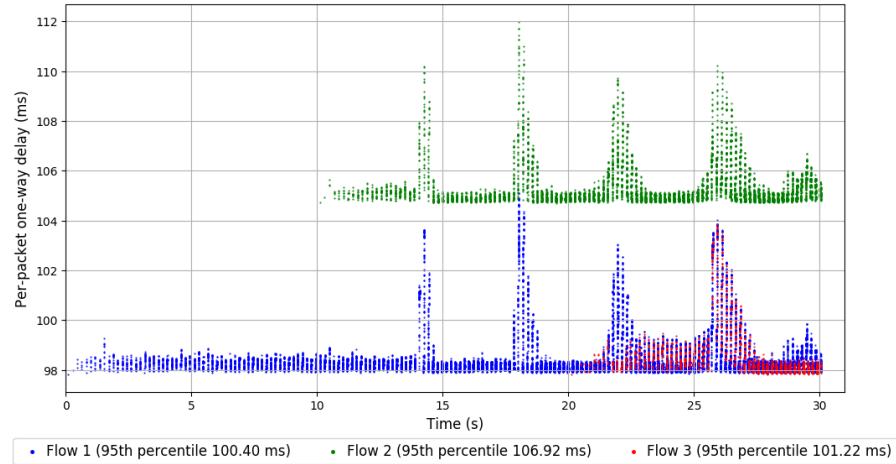
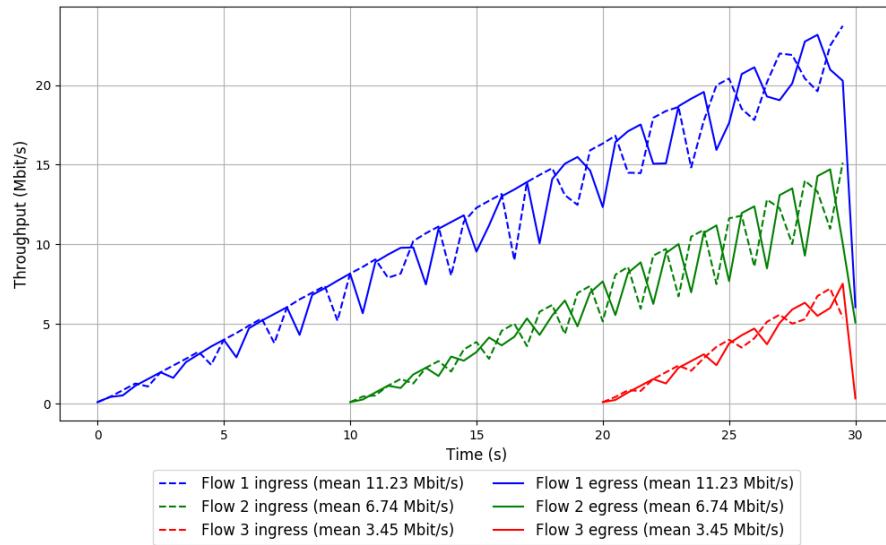


Run 6: Statistics of LEDBAT

```
Start at: 2018-04-24 22:51:05
End at: 2018-04-24 22:51:35
Local clock offset: -6.057 ms
Remote clock offset: 3.909 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 105.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 100.404 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 106.916 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 101.221 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

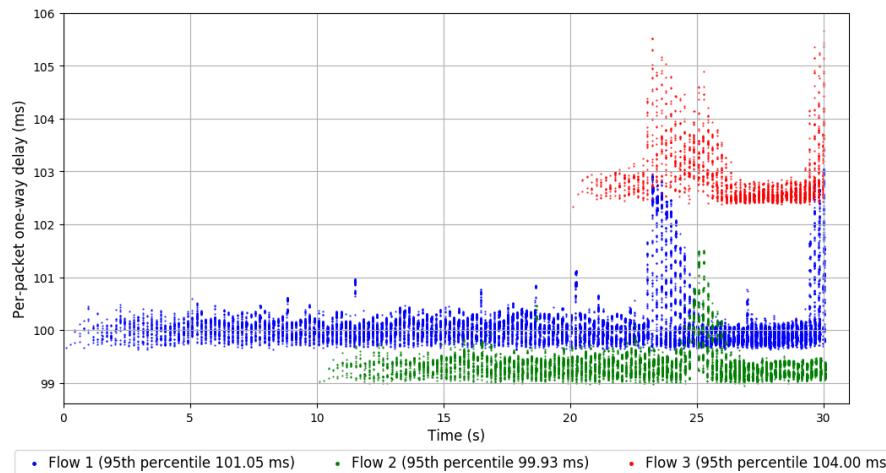
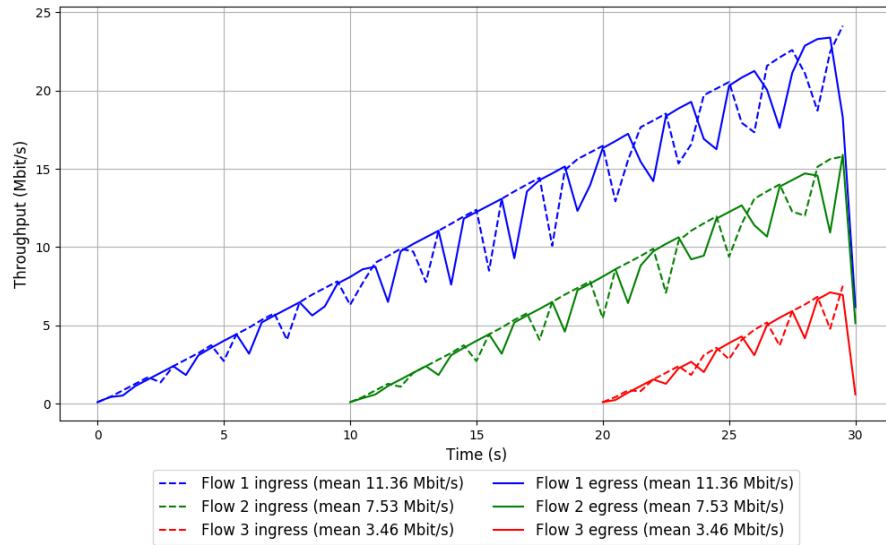


Run 7: Statistics of LEDBAT

```
Start at: 2018-04-24 23:13:41
End at: 2018-04-24 23:14:11
Local clock offset: -5.864 ms
Remote clock offset: 6.429 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 102.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 101.054 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 99.931 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 104.002 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

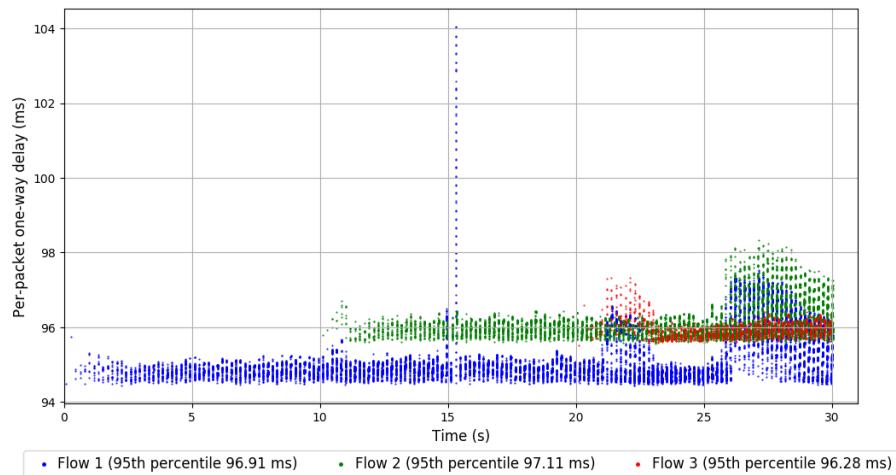
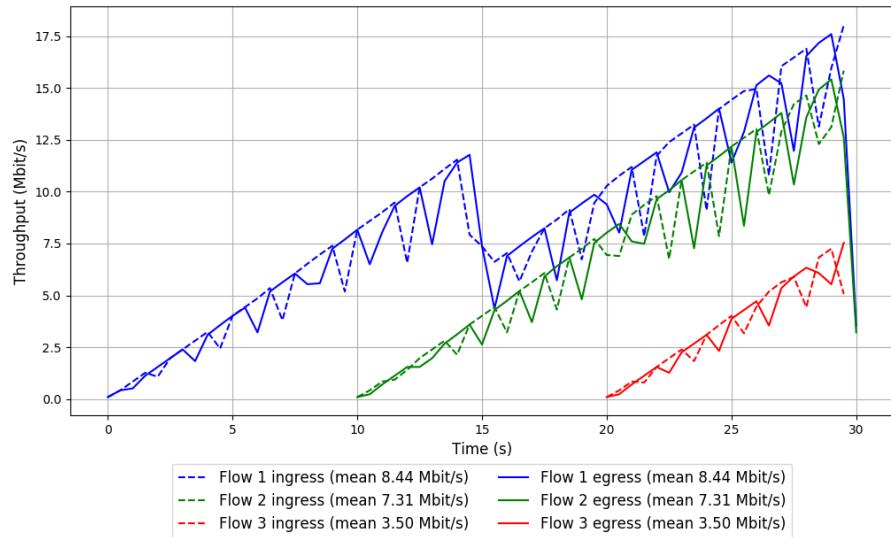


Run 8: Statistics of LEDBAT

```
Start at: 2018-04-24 23:36:16
End at: 2018-04-24 23:36:46
Local clock offset: -4.252 ms
Remote clock offset: 2.225 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 96.952 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 96.906 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 97.105 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 96.278 ms
Loss rate: 0.00%
```

## Run 8: Report of LEDBAT — Data Link

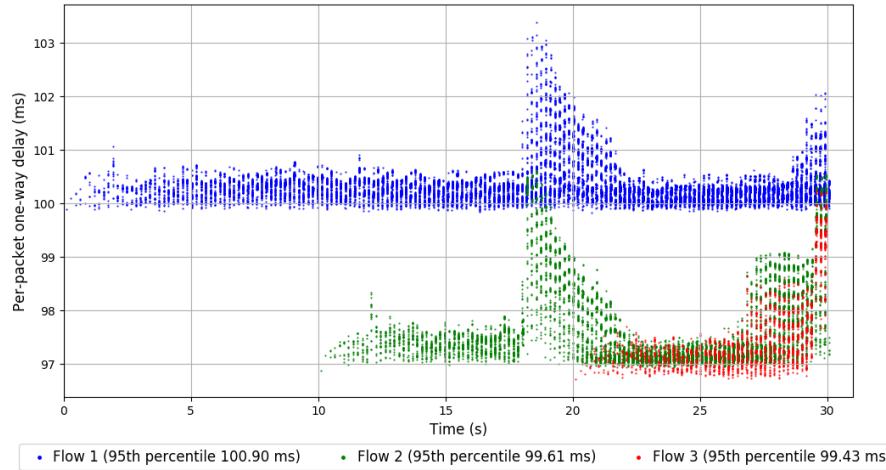
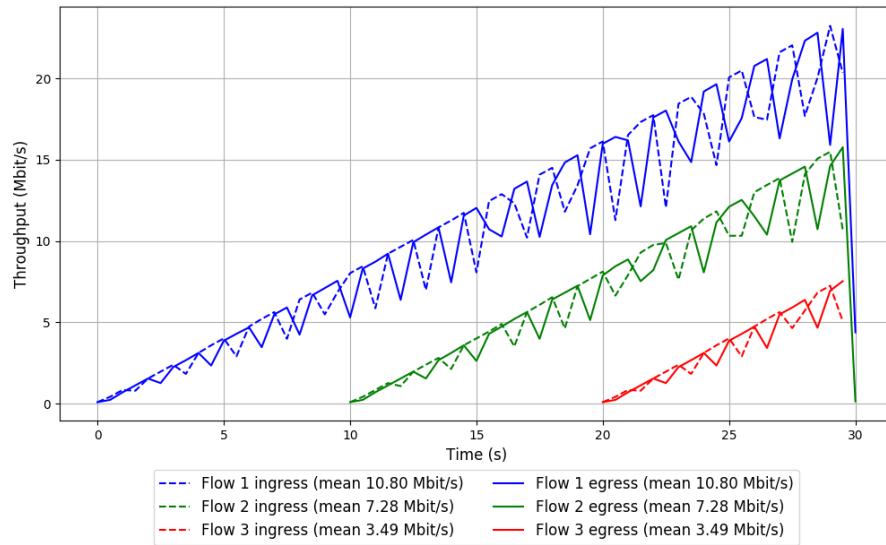


Run 9: Statistics of LEDBAT

```
Start at: 2018-04-24 23:58:31
End at: 2018-04-24 23:59:01
Local clock offset: -5.079 ms
Remote clock offset: 2.051 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 100.624 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 100.904 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 99.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 99.429 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

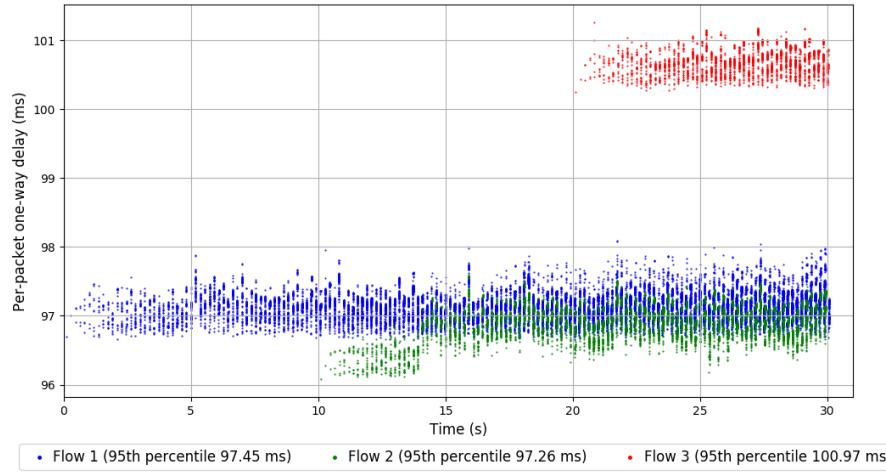
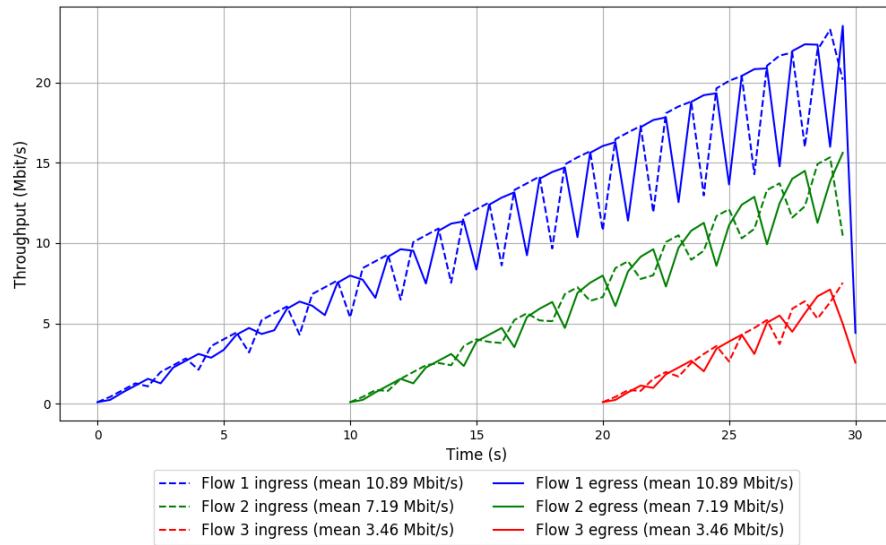


Run 10: Statistics of LEDBAT

```
Start at: 2018-04-25 00:21:07
End at: 2018-04-25 00:21:38
Local clock offset: -4.219 ms
Remote clock offset: 3.151 ms

# Below is generated by plot.py at 2018-04-25 00:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 100.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 97.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 97.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 100.970 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

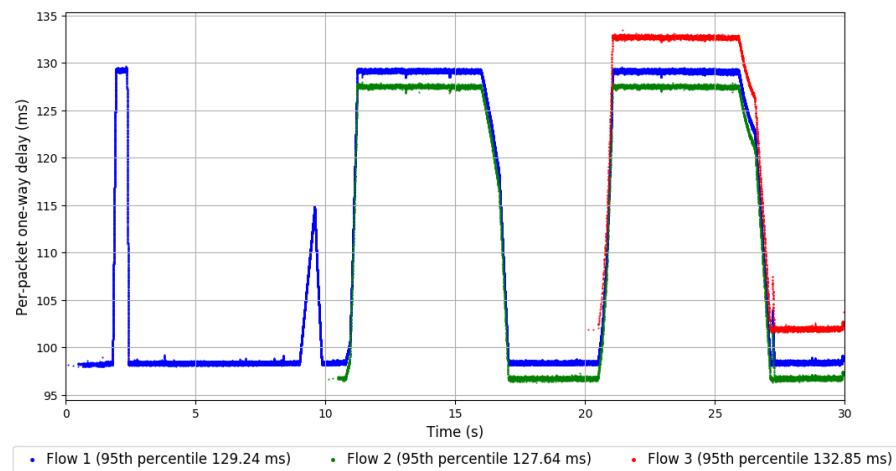
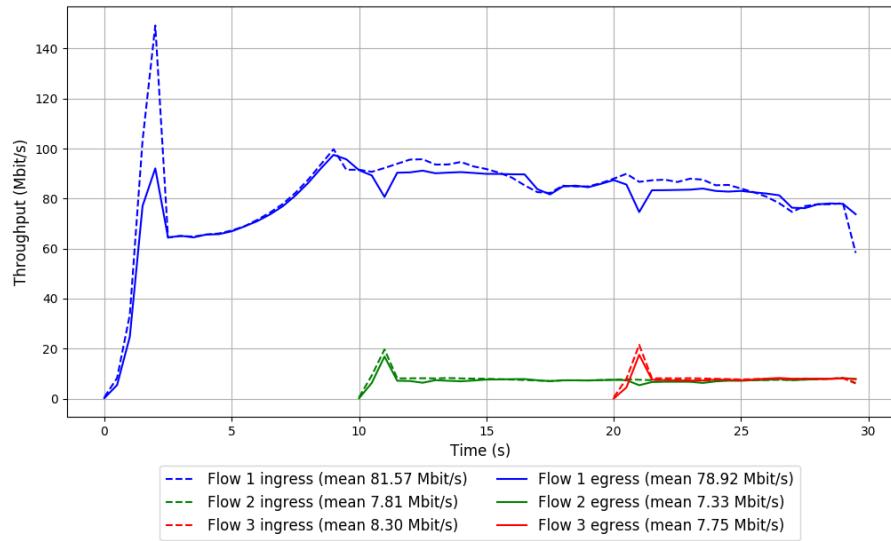


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-04-24 20:49:18
End at: 2018-04-24 20:49:48
Local clock offset: -4.794 ms
Remote clock offset: 3.615 ms

# Below is generated by plot.py at 2018-04-25 00:58:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 129.255 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 78.92 Mbit/s
95th percentile per-packet one-way delay: 129.238 ms
Loss rate: 3.25%
-- Flow 2:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 127.637 ms
Loss rate: 6.19%
-- Flow 3:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 132.853 ms
Loss rate: 6.67%
```

Run 1: Report of PCC-Allegro — Data Link

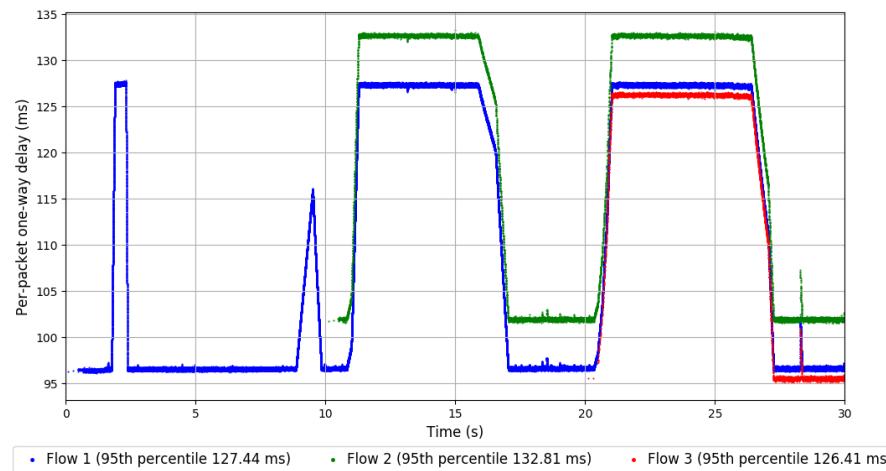
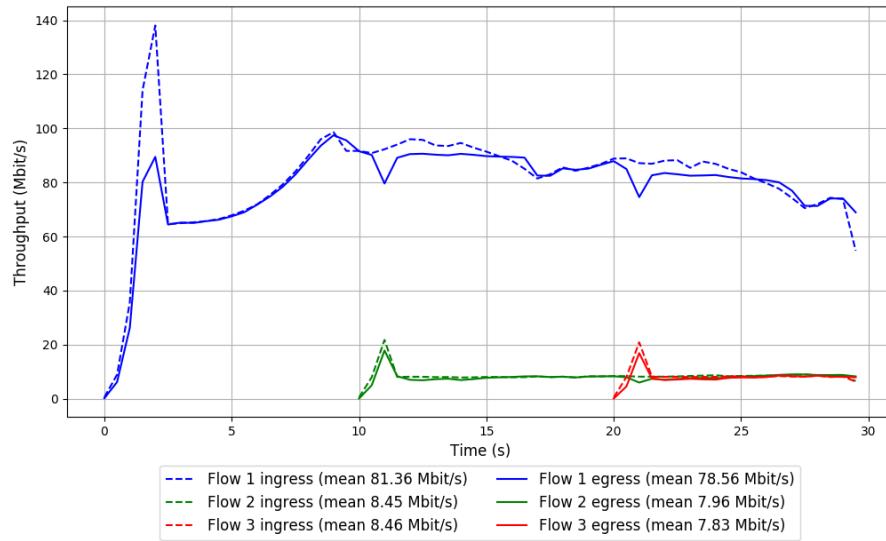


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-04-24 21:11:54
End at: 2018-04-24 21:12:24
Local clock offset: -4.916 ms
Remote clock offset: 3.88 ms

# Below is generated by plot.py at 2018-04-25 00:58:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.42 Mbit/s
95th percentile per-packet one-way delay: 127.489 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 127.438 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 132.815 ms
Loss rate: 5.83%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 126.405 ms
Loss rate: 7.45%
```

## Run 2: Report of PCC-Allegro — Data Link

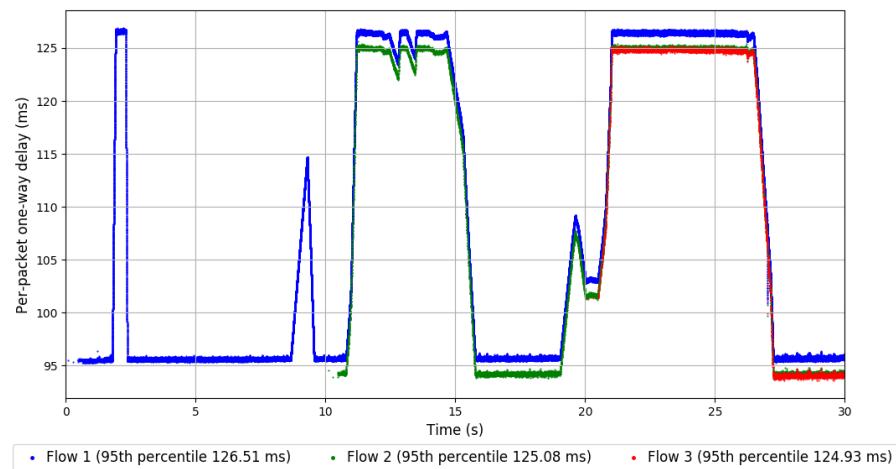
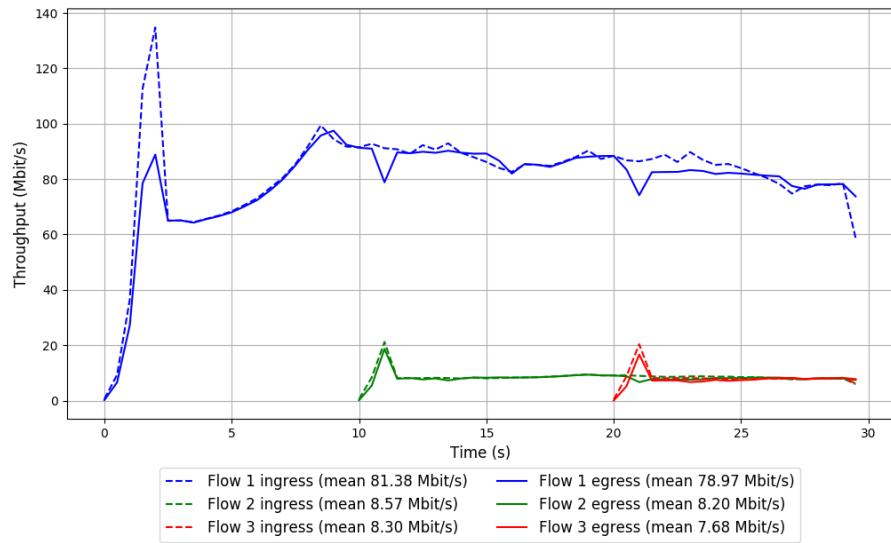


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-04-24 21:34:28
End at: 2018-04-24 21:34:58
Local clock offset: -4.1 ms
Remote clock offset: 3.844 ms

# Below is generated by plot.py at 2018-04-25 00:58:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 126.499 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 78.97 Mbit/s
95th percentile per-packet one-way delay: 126.506 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 125.084 ms
Loss rate: 4.32%
-- Flow 3:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 124.930 ms
Loss rate: 7.60%
```

### Run 3: Report of PCC-Allegro — Data Link

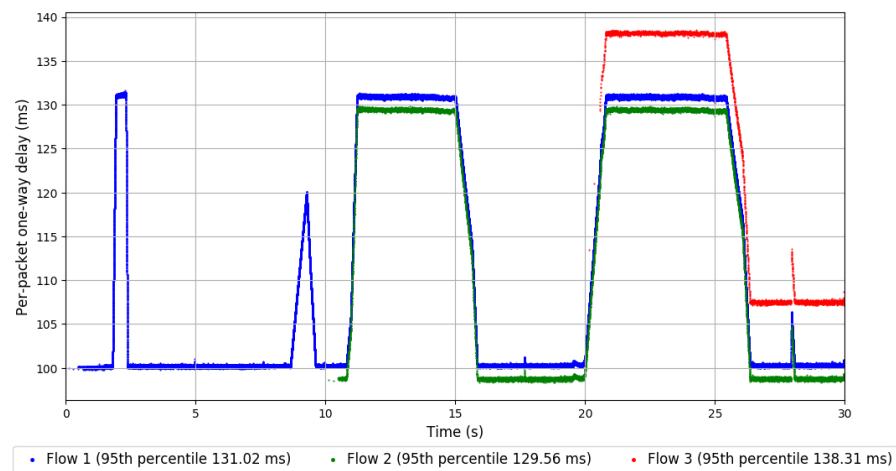
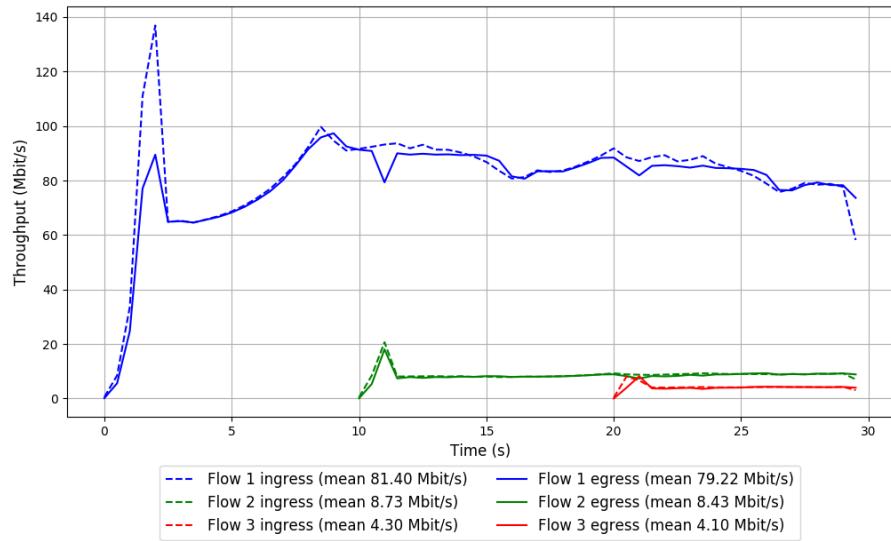


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-04-24 21:57:00
End at: 2018-04-24 21:57:30
Local clock offset: -4.149 ms
Remote clock offset: 8.198 ms

# Below is generated by plot.py at 2018-04-25 00:58:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 131.027 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 79.22 Mbit/s
95th percentile per-packet one-way delay: 131.018 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 129.560 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 138.308 ms
Loss rate: 4.79%
```

## Run 4: Report of PCC-Allegro — Data Link

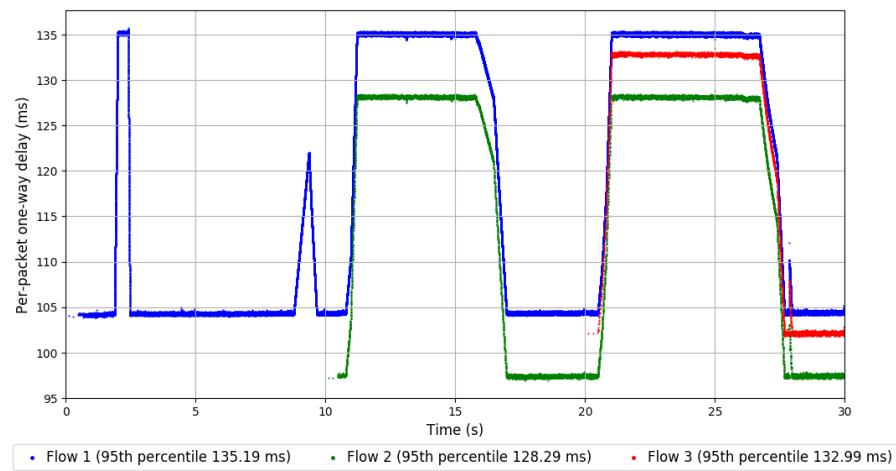
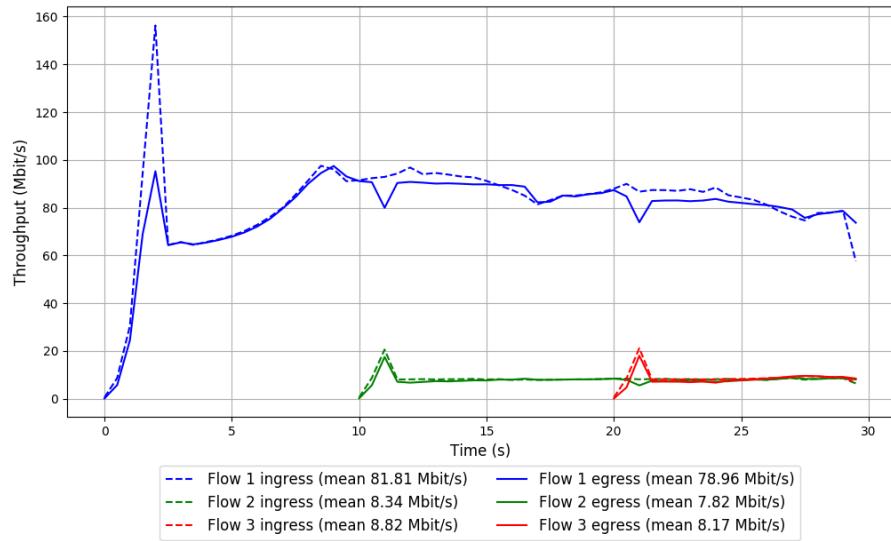


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-04-24 22:19:32
End at: 2018-04-24 22:20:02
Local clock offset: -5.279 ms
Remote clock offset: 7.241 ms

# Below is generated by plot.py at 2018-04-25 00:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 135.185 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 78.96 Mbit/s
95th percentile per-packet one-way delay: 135.191 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 128.288 ms
Loss rate: 6.22%
-- Flow 3:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 132.992 ms
Loss rate: 7.39%
```

## Run 5: Report of PCC-Allegro — Data Link

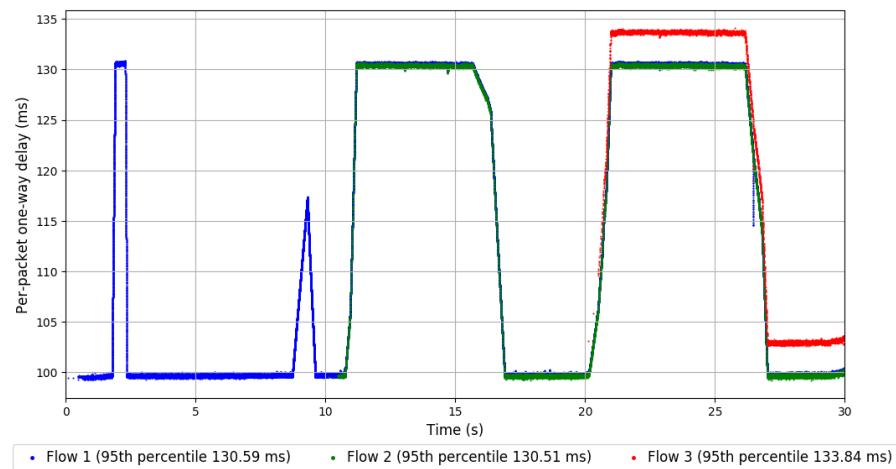
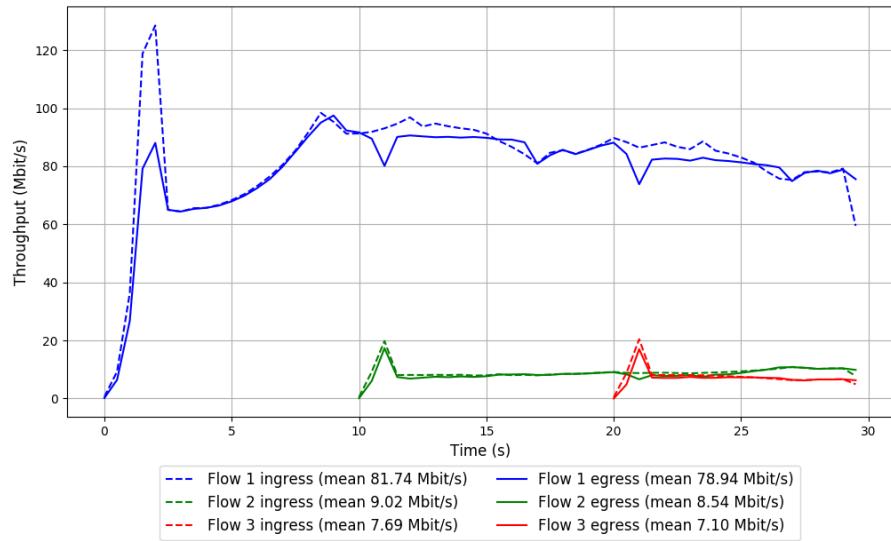


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-04-24 22:42:03
End at: 2018-04-24 22:42:33
Local clock offset: -5.532 ms
Remote clock offset: 7.866 ms

# Below is generated by plot.py at 2018-04-25 00:58:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 130.603 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 130.585 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 130.511 ms
Loss rate: 5.30%
-- Flow 3:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 133.836 ms
Loss rate: 7.60%
```

Run 6: Report of PCC-Allegro — Data Link

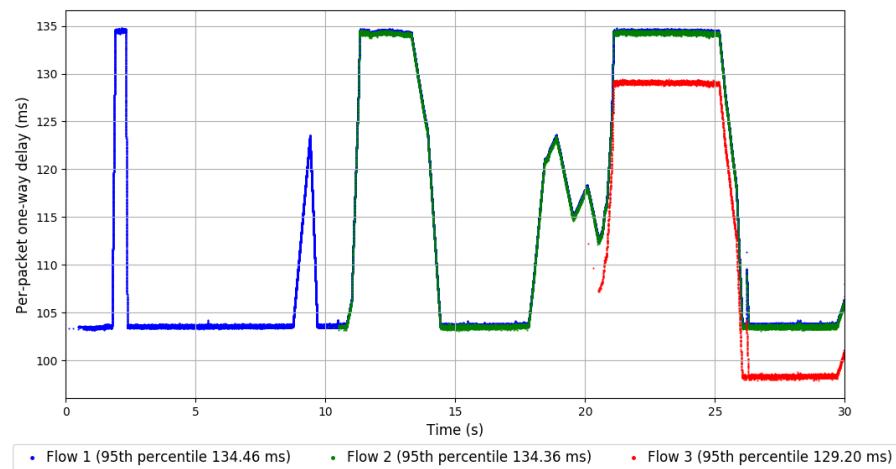
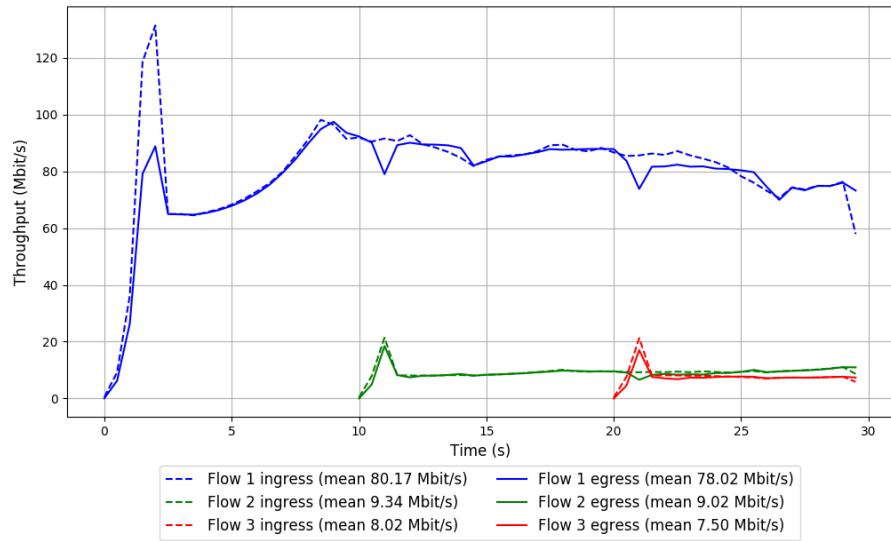


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-04-24 23:04:36
End at: 2018-04-24 23:05:06
Local clock offset: -5.924 ms
Remote clock offset: 3.746 ms

# Below is generated by plot.py at 2018-04-25 00:58:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 134.449 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 78.02 Mbit/s
95th percentile per-packet one-way delay: 134.457 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 134.360 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 129.204 ms
Loss rate: 6.56%
```

Run 7: Report of PCC-Allegro — Data Link

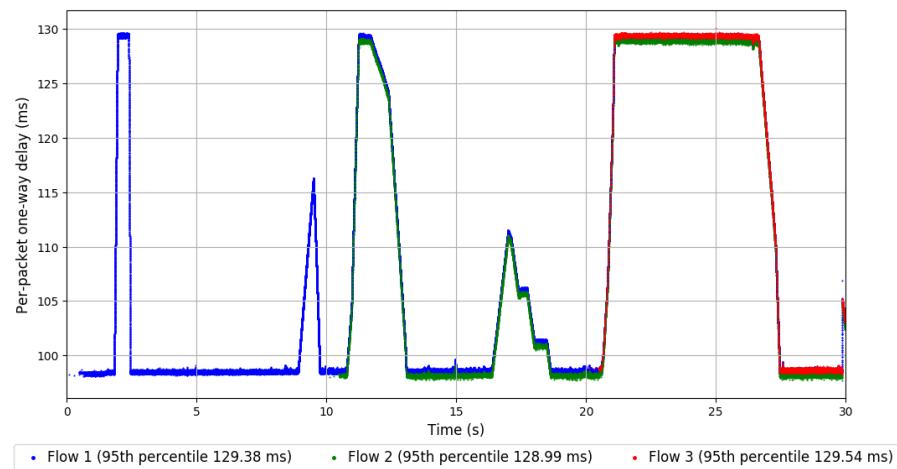
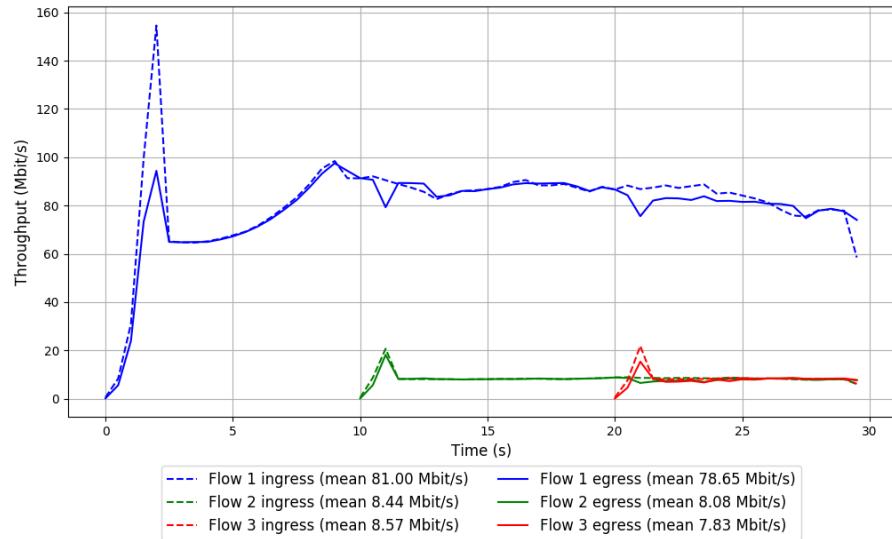


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-04-24 23:27:15
End at: 2018-04-24 23:27:45
Local clock offset: -4.29 ms
Remote clock offset: 3.262 ms

# Below is generated by plot.py at 2018-04-25 00:58:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 129.386 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 129.377 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 128.987 ms
Loss rate: 4.24%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 129.541 ms
Loss rate: 8.62%
```

## Run 8: Report of PCC-Allegro — Data Link

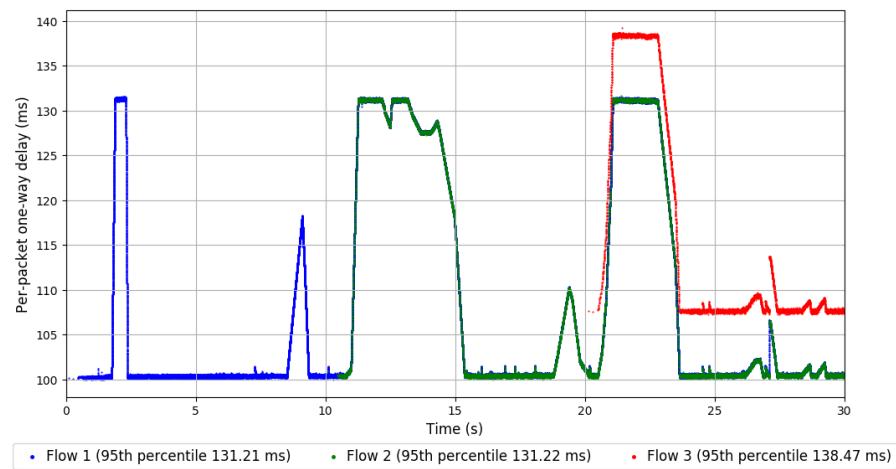
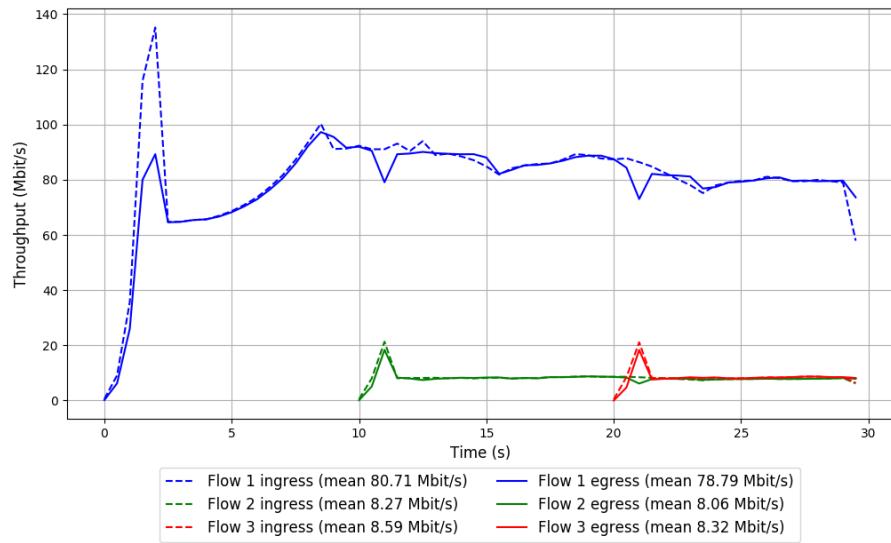


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-04-24 23:49:29
End at: 2018-04-24 23:49:59
Local clock offset: -4.981 ms
Remote clock offset: 7.584 ms

# Below is generated by plot.py at 2018-04-25 00:59:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 131.227 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 78.79 Mbit/s
95th percentile per-packet one-way delay: 131.212 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 131.223 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 138.466 ms
Loss rate: 3.25%
```

Run 9: Report of PCC-Allegro — Data Link

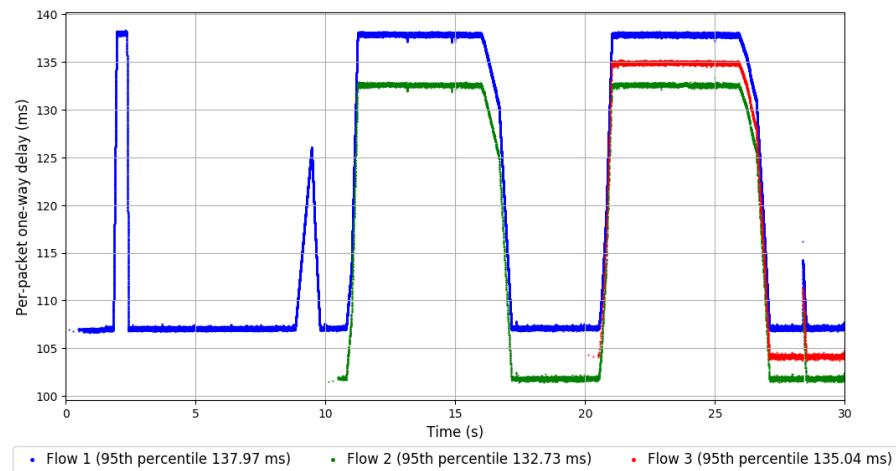
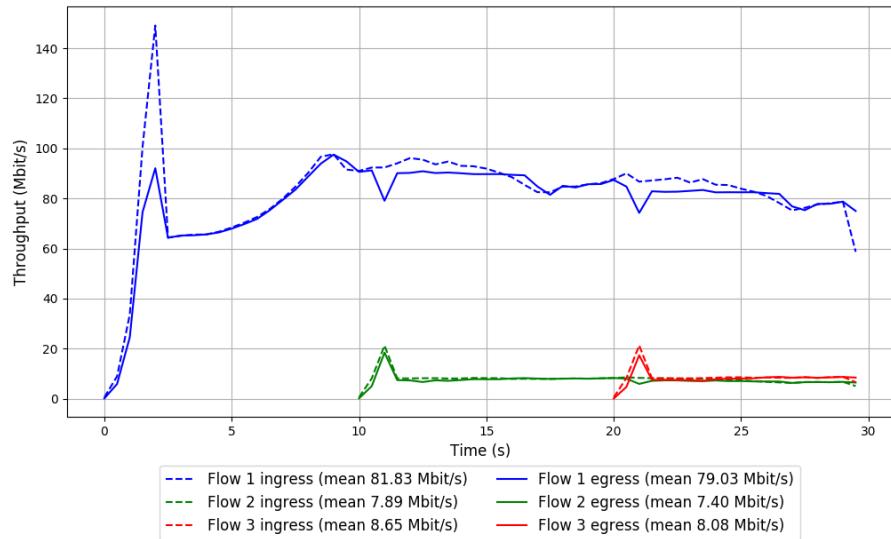


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-04-25 00:12:06
End at: 2018-04-25 00:12:36
Local clock offset: -5.824 ms
Remote clock offset: 6.706 ms

# Below is generated by plot.py at 2018-04-25 00:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 137.965 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 79.03 Mbit/s
95th percentile per-packet one-way delay: 137.971 ms
Loss rate: 3.44%
-- Flow 2:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 132.727 ms
Loss rate: 6.29%
-- Flow 3:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 135.041 ms
Loss rate: 6.63%
```

## Run 10: Report of PCC-Allegro — Data Link

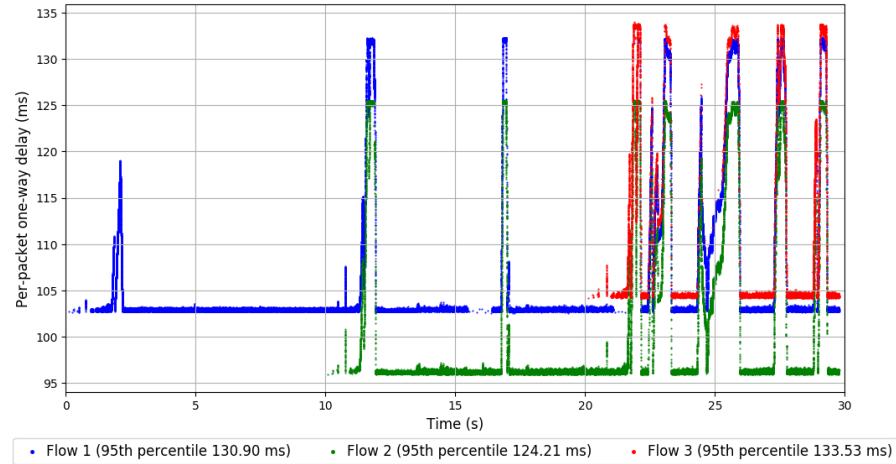
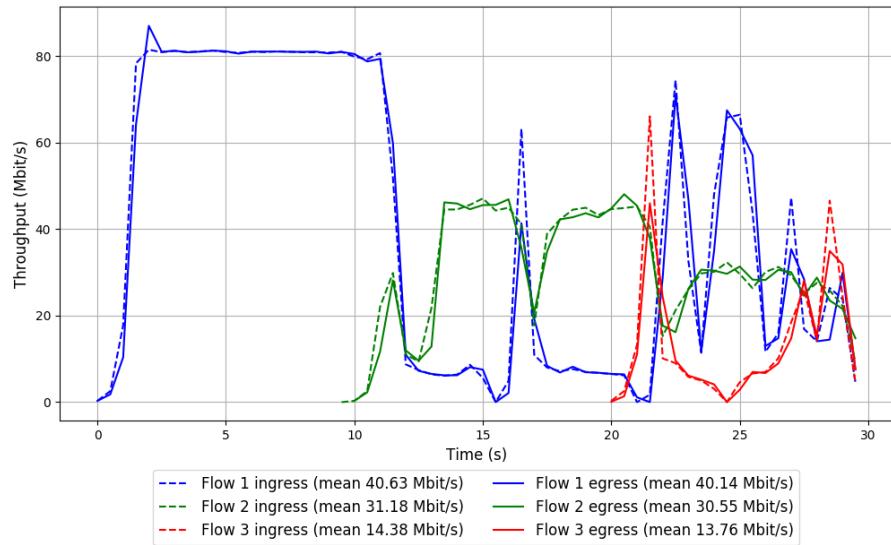


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 20:48:00
End at: 2018-04-24 20:48:30
Local clock offset: -5.548 ms
Remote clock offset: 3.611 ms

# Below is generated by plot.py at 2018-04-25 00:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 130.652 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 130.903 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 124.212 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 133.528 ms
Loss rate: 4.36%
```

Run 1: Report of QUIC Cubic — Data Link

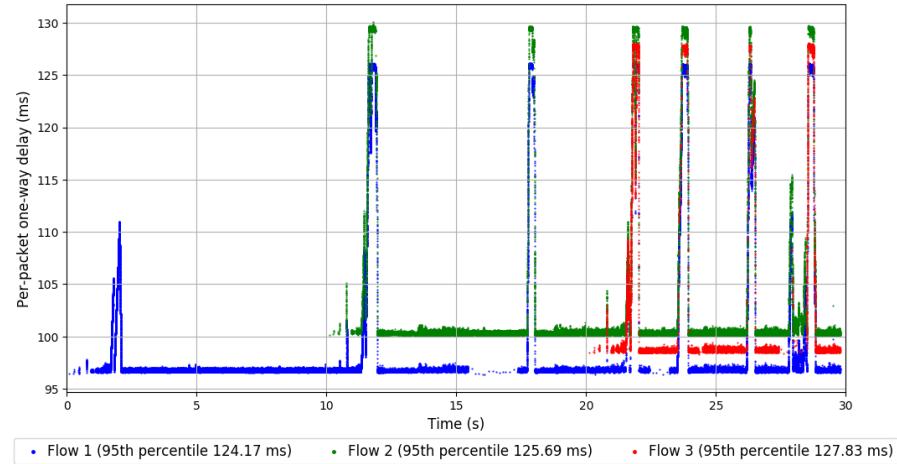
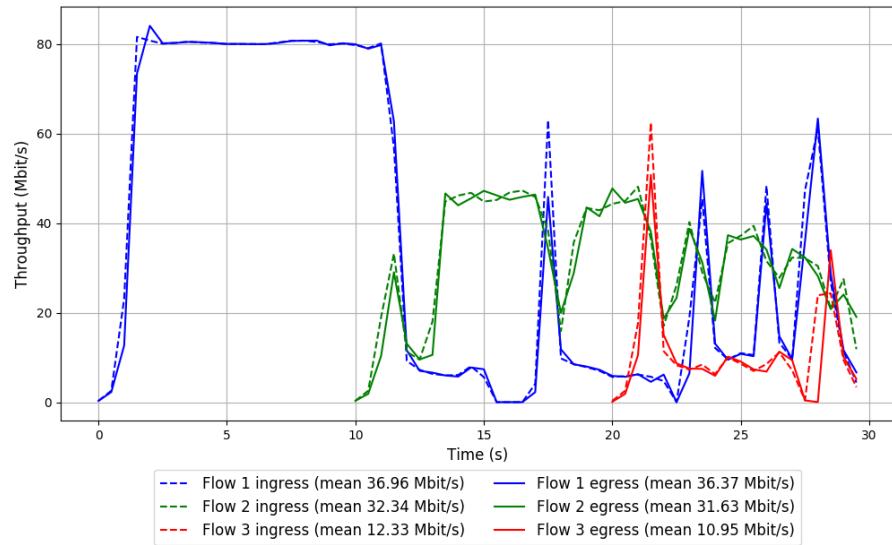


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-04-24 21:10:36
End at: 2018-04-24 21:11:06
Local clock offset: -5.637 ms
Remote clock offset: 4.673 ms

# Below is generated by plot.py at 2018-04-25 00:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 125.657 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 124.168 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 125.695 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 127.826 ms
Loss rate: 11.22%
```

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

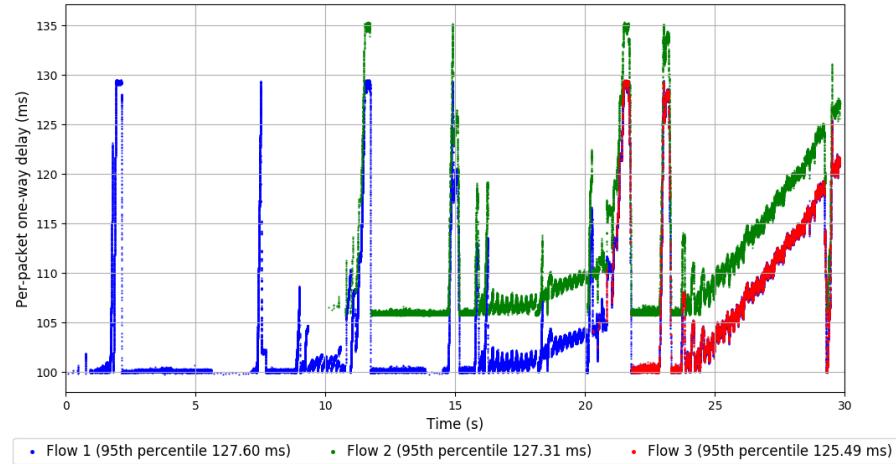
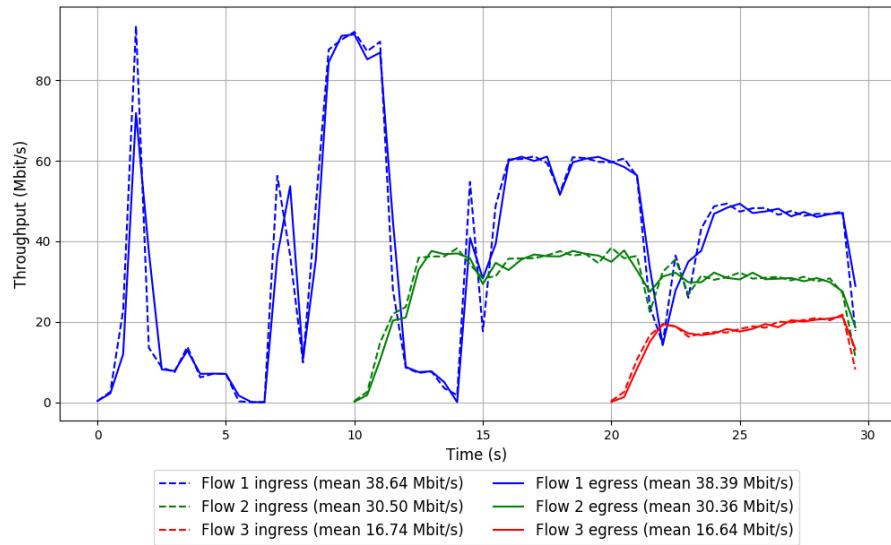


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-04-24 21:33:10
End at: 2018-04-24 21:33:40
Local clock offset: -4.113 ms
Remote clock offset: 8.364 ms

# Below is generated by plot.py at 2018-04-25 00:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.94 Mbit/s
95th percentile per-packet one-way delay: 127.351 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 127.597 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 127.311 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 125.491 ms
Loss rate: 0.37%
```

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

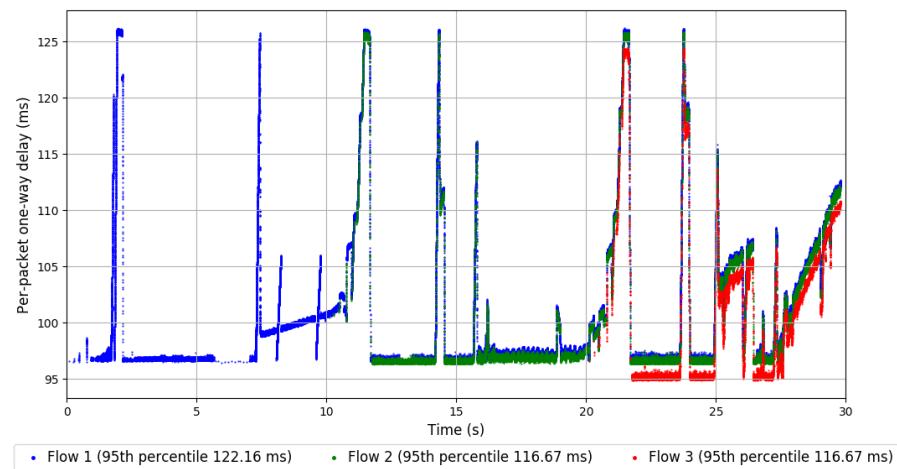
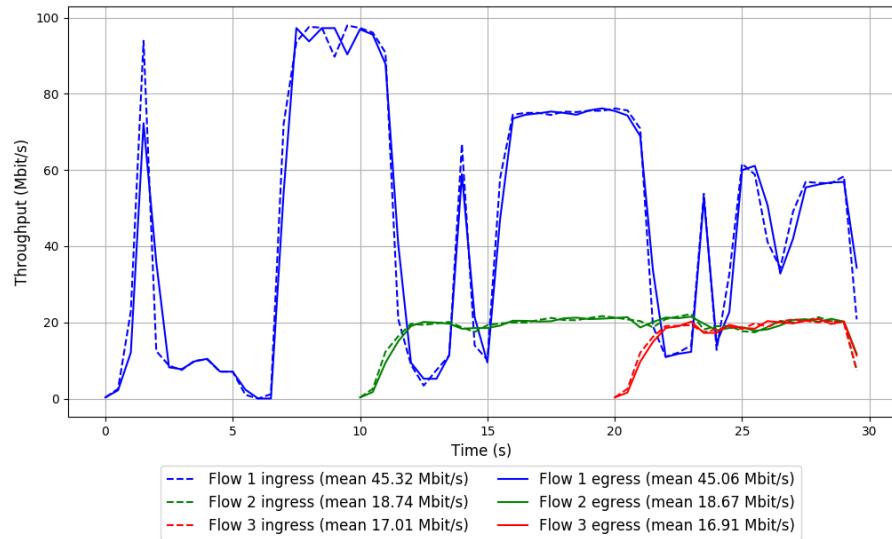


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-04-24 21:55:41
End at: 2018-04-24 21:56:12
Local clock offset: -4.155 ms
Remote clock offset: 4.539 ms

# Below is generated by plot.py at 2018-04-25 00:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.95 Mbit/s
95th percentile per-packet one-way delay: 119.896 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 122.160 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 116.673 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 16.91 Mbit/s
95th percentile per-packet one-way delay: 116.669 ms
Loss rate: 0.44%
```

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

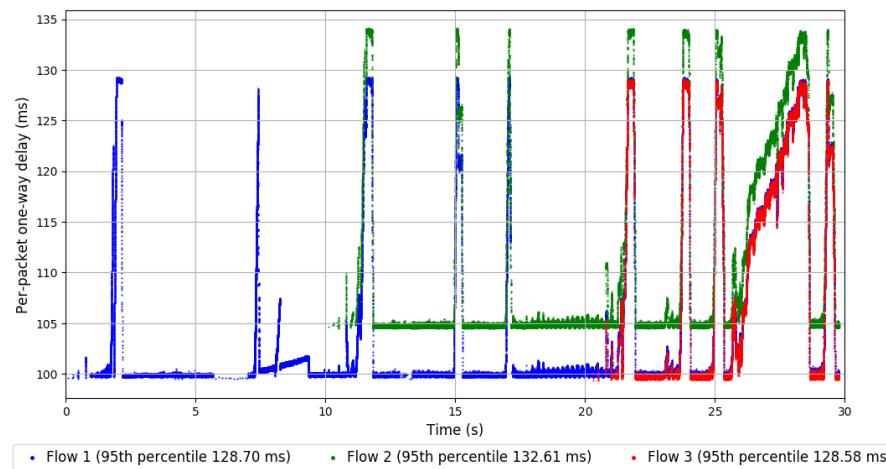
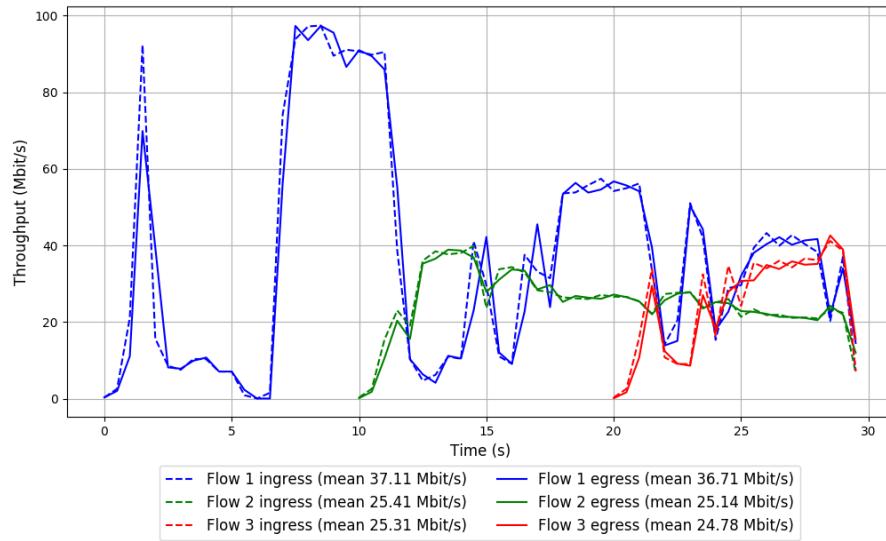


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-04-24 22:18:14
End at: 2018-04-24 22:18:44
Local clock offset: -4.504 ms
Remote clock offset: 7.249 ms

# Below is generated by plot.py at 2018-04-25 00:59:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.43 Mbit/s
95th percentile per-packet one-way delay: 128.824 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 128.697 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 132.614 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 128.578 ms
Loss rate: 2.07%
```

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

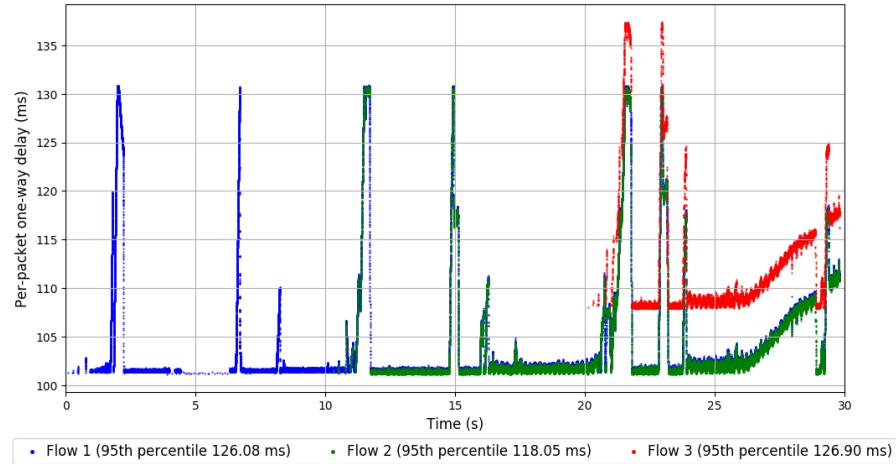
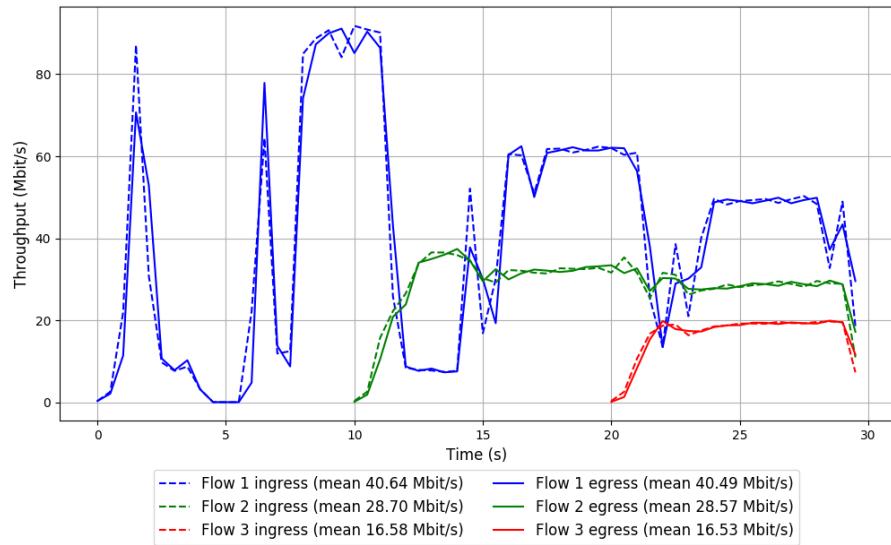


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-04-24 22:40:45
End at: 2018-04-24 22:41:15
Local clock offset: -6.255 ms
Remote clock offset: 6.978 ms

# Below is generated by plot.py at 2018-04-25 01:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 124.652 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 126.084 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 118.052 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 126.896 ms
Loss rate: 0.23%
```

Run 6: Report of QUIC Cubic — Data Link

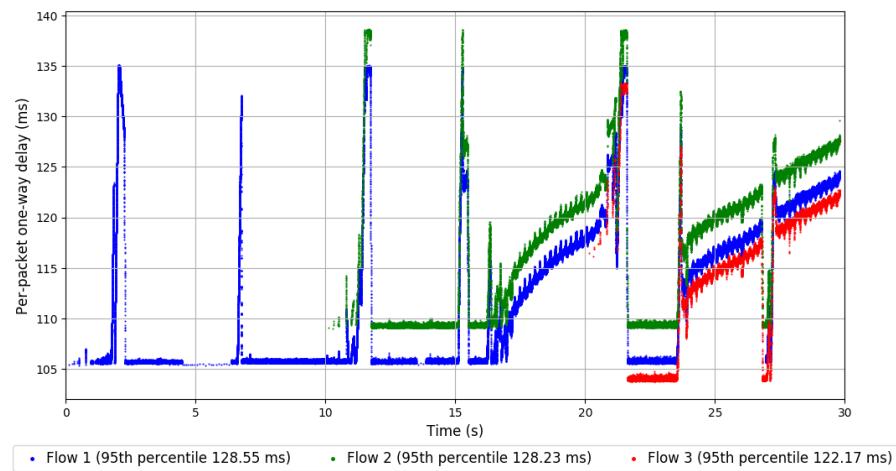
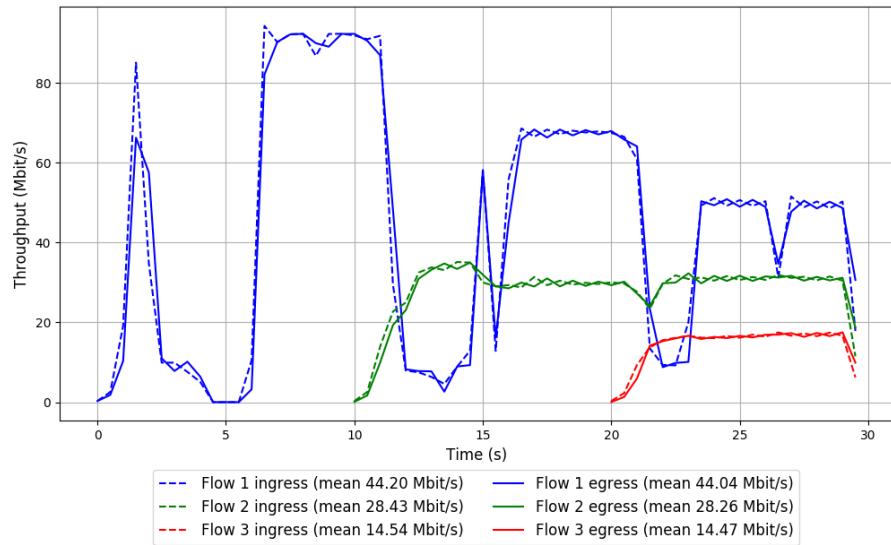


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-04-24 23:03:17
End at: 2018-04-24 23:03:47
Local clock offset: -5.176 ms
Remote clock offset: 8.434 ms

# Below is generated by plot.py at 2018-04-25 01:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.47 Mbit/s
95th percentile per-packet one-way delay: 128.072 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 44.04 Mbit/s
95th percentile per-packet one-way delay: 128.554 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 128.226 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 122.174 ms
Loss rate: 0.39%
```

Run 7: Report of QUIC Cubic — Data Link

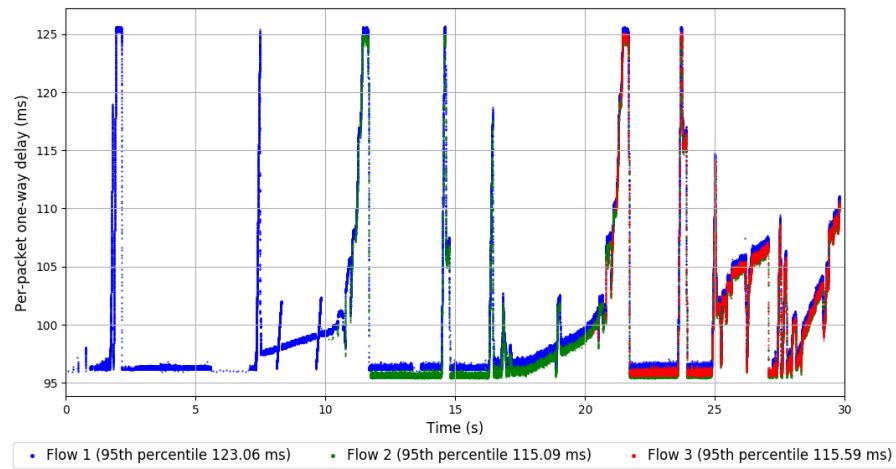
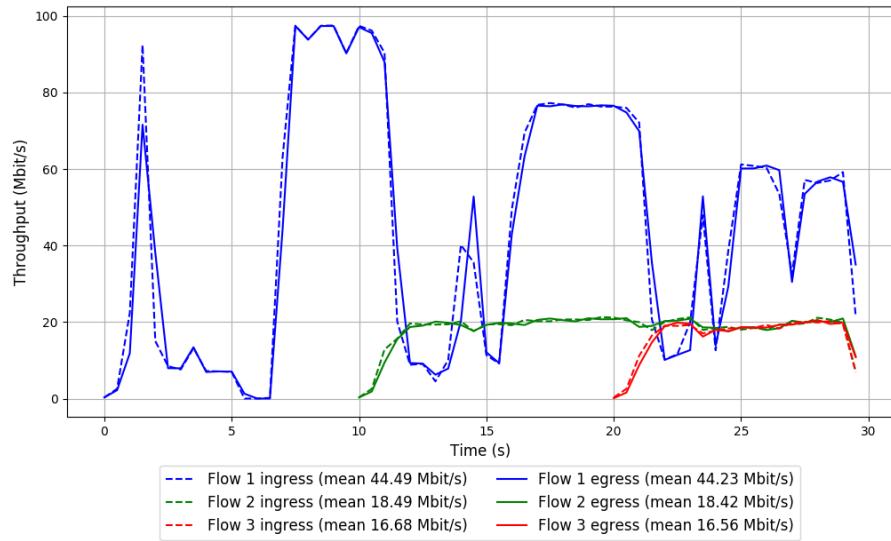


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-04-24 23:25:56
End at: 2018-04-24 23:26:26
Local clock offset: -4.296 ms
Remote clock offset: 2.421 ms

# Below is generated by plot.py at 2018-04-25 01:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 120.260 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 123.060 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 115.094 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 115.589 ms
Loss rate: 0.56%
```

## Run 8: Report of QUIC Cubic — Data Link

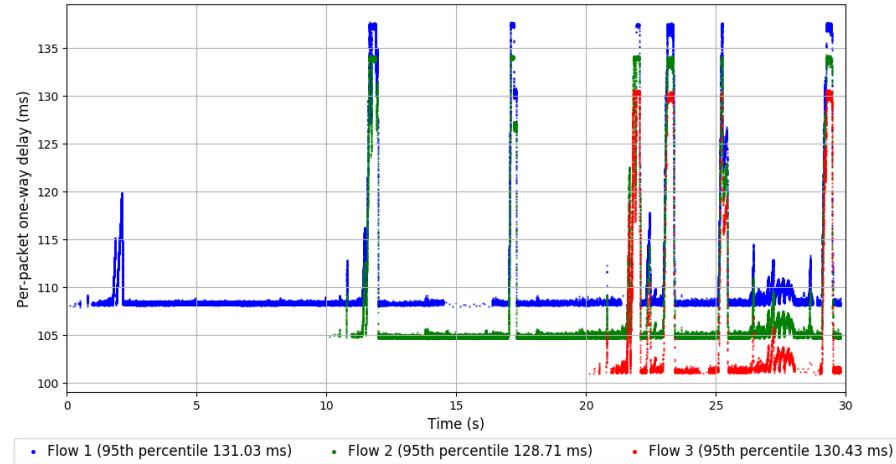
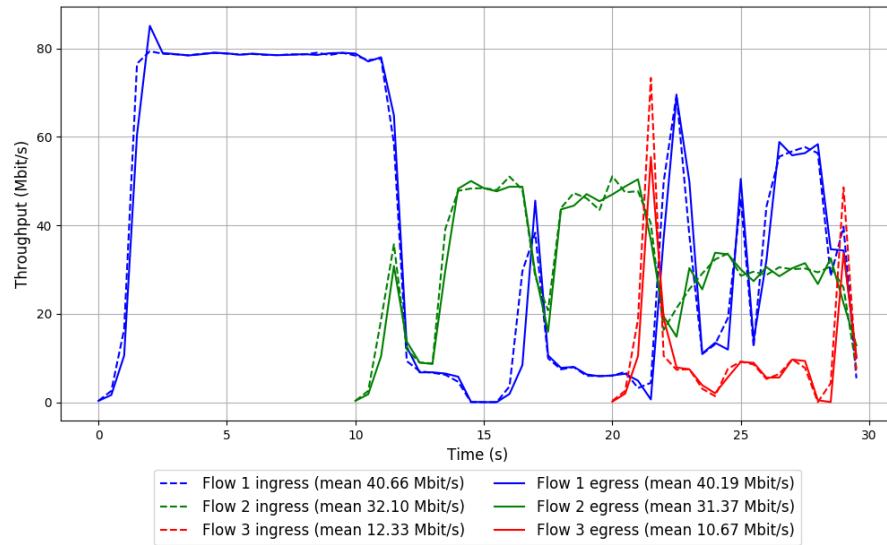


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-04-24 23:48:10
End at: 2018-04-24 23:48:40
Local clock offset: -5.024 ms
Remote clock offset: 6.762 ms

# Below is generated by plot.py at 2018-04-25 01:01:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 130.446 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 131.025 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 128.713 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 130.429 ms
Loss rate: 13.45%
```

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

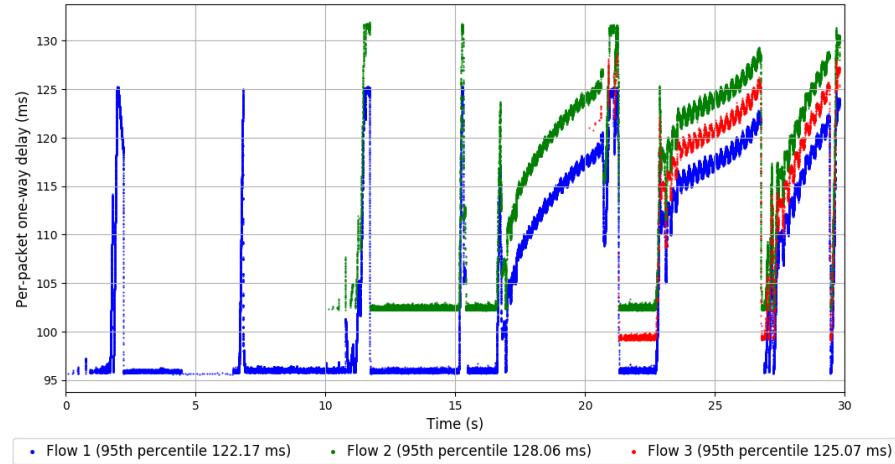
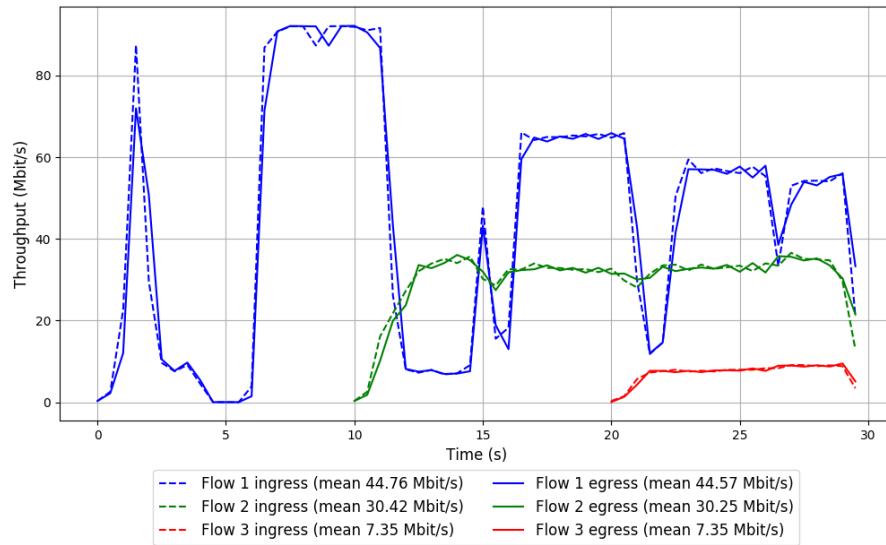


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-04-25 00:10:47
End at: 2018-04-25 00:11:17
Local clock offset: -4.962 ms
Remote clock offset: 2.795 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 125.063 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 122.171 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 128.059 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 125.066 ms
Loss rate: 0.02%
```

Run 10: Report of QUIC Cubic — Data Link

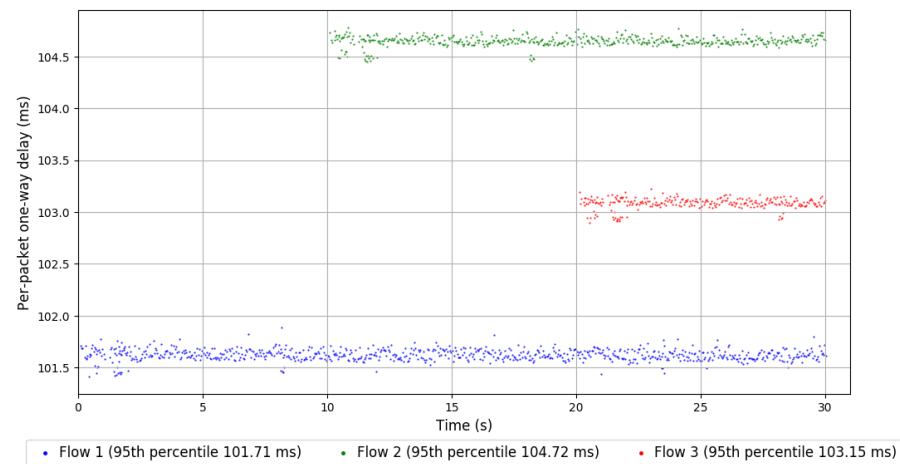
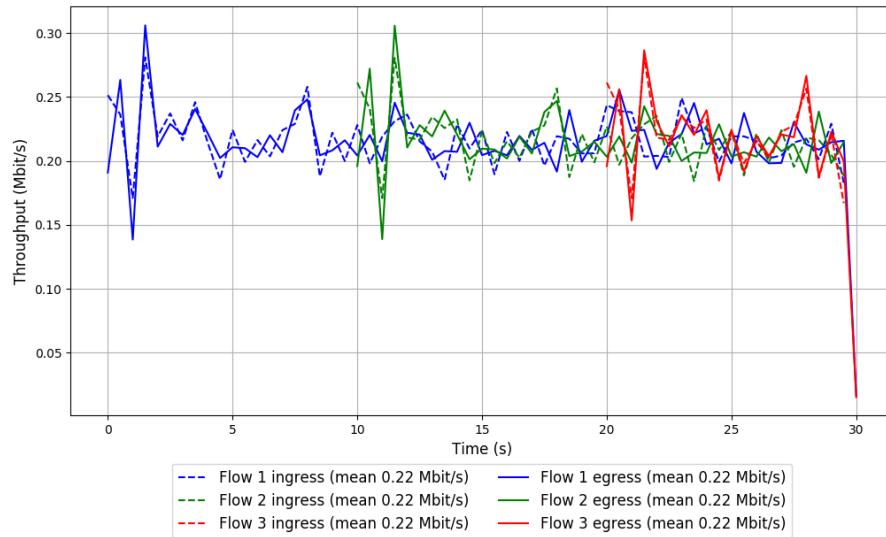


Run 1: Statistics of SCReAM

```
Start at: 2018-04-24 20:55:50
End at: 2018-04-24 20:56:20
Local clock offset: -5.567 ms
Remote clock offset: 9.274 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 104.695 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.707 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 104.719 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.153 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

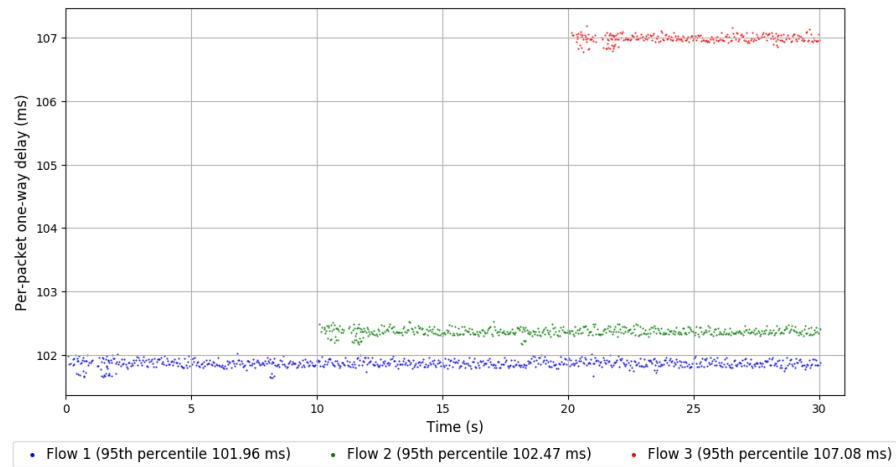
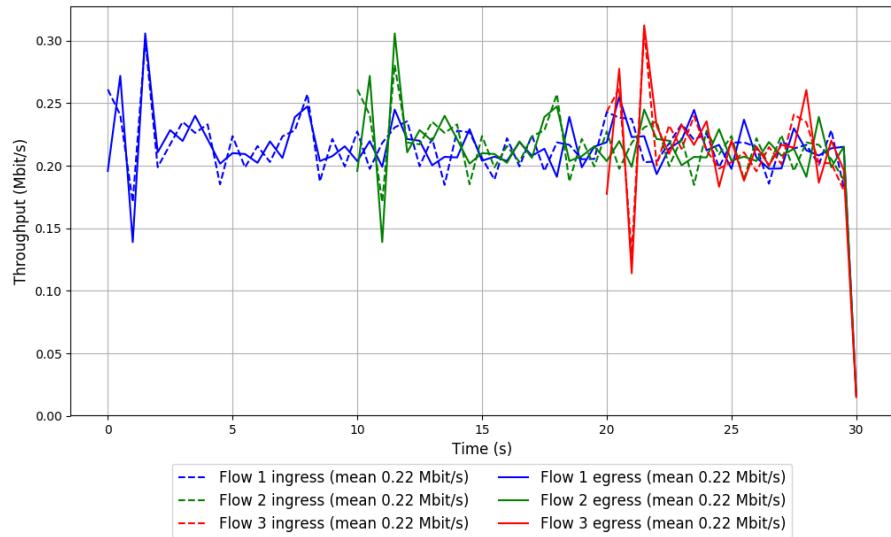


Run 2: Statistics of SCReAM

```
Start at: 2018-04-24 21:18:26
End at: 2018-04-24 21:18:56
Local clock offset: -4.912 ms
Remote clock offset: 9.286 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 107.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.465 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 107.076 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

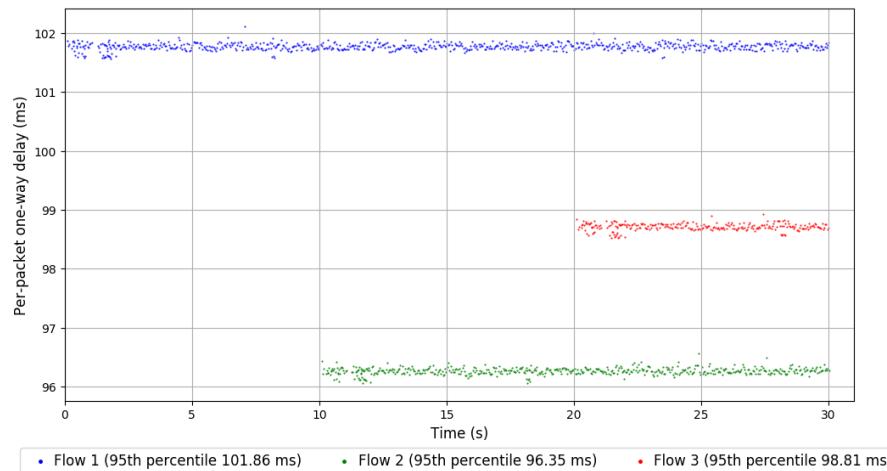
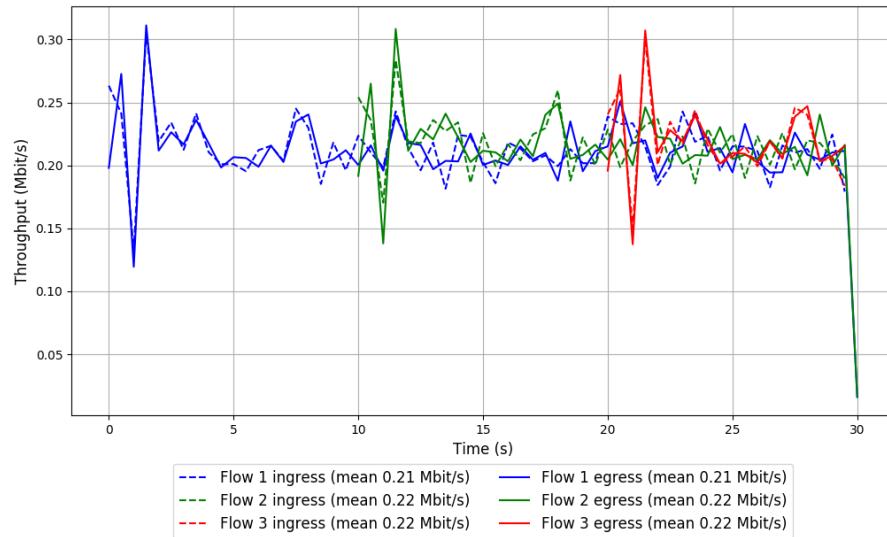


Run 3: Statistics of SCReAM

```
Start at: 2018-04-24 21:41:03
End at: 2018-04-24 21:41:33
Local clock offset: -4.921 ms
Remote clock offset: 3.798 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 101.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 101.863 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.353 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.813 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

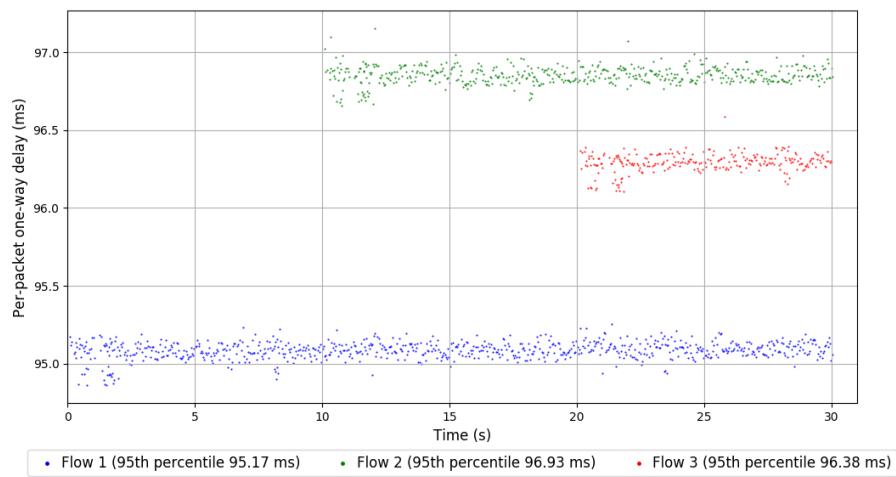
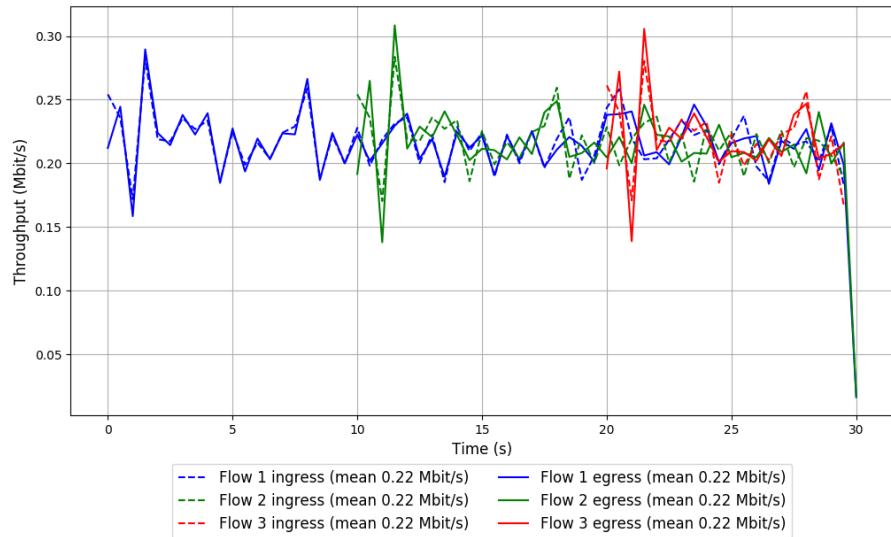


Run 4: Statistics of SCReAM

```
Start at: 2018-04-24 22:03:32
End at: 2018-04-24 22:04:02
Local clock offset: -4.142 ms
Remote clock offset: 4.449 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 96.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.167 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.932 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.376 ms
Loss rate: 0.00%
```

## Run 4: Report of SCReAM — Data Link

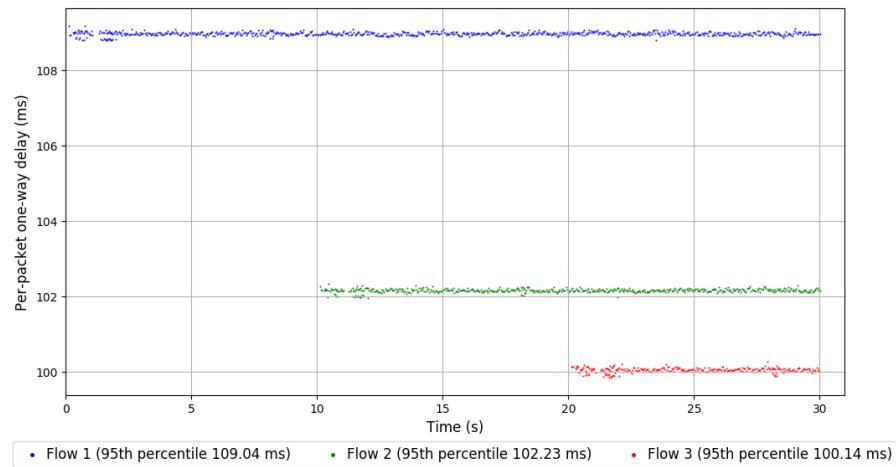
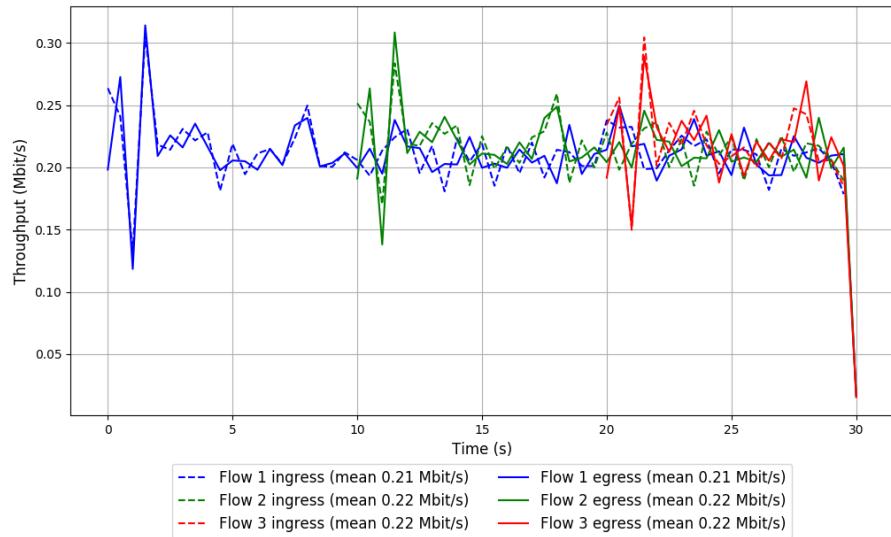


Run 5: Statistics of SCReAM

```
Start at: 2018-04-24 22:26:05
End at: 2018-04-24 22:26:35
Local clock offset: -5.35 ms
Remote clock offset: 8.913 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 109.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 109.044 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.143 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

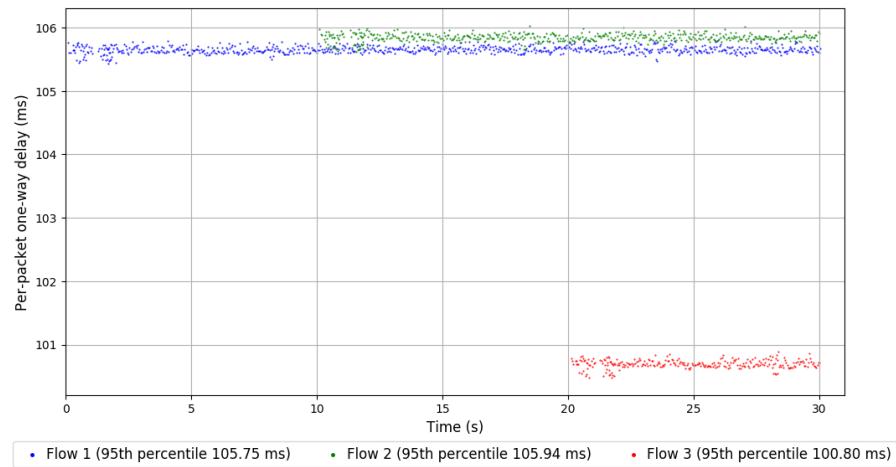
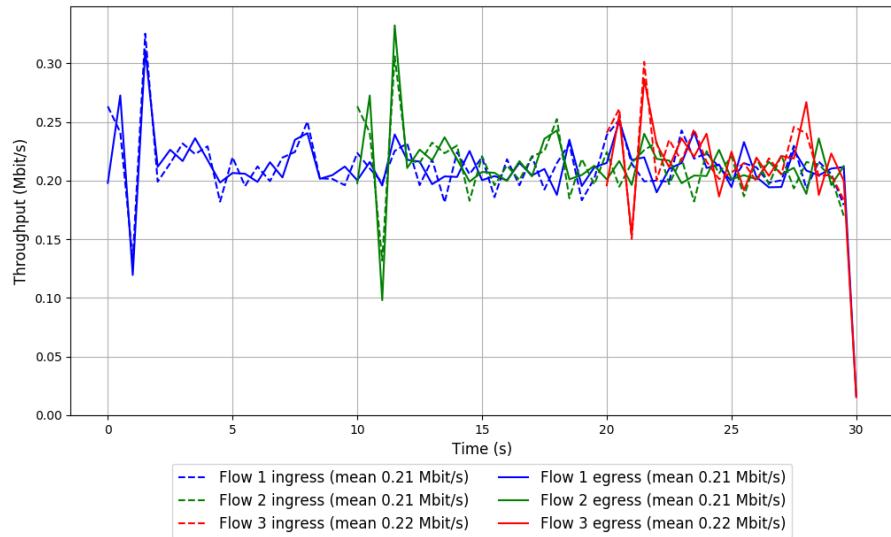


Run 6: Statistics of SCReAM

```
Start at: 2018-04-24 22:48:36
End at: 2018-04-24 22:49:06
Local clock offset: -4.555 ms
Remote clock offset: 7.782 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 105.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 105.747 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 105.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.796 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

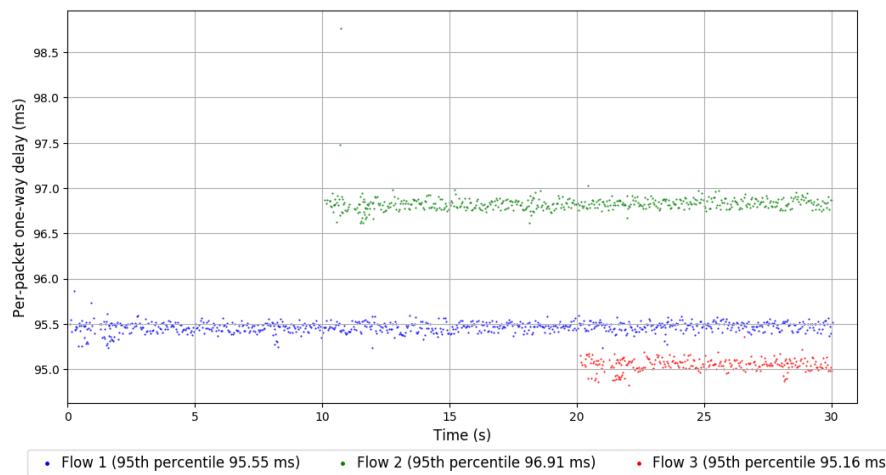
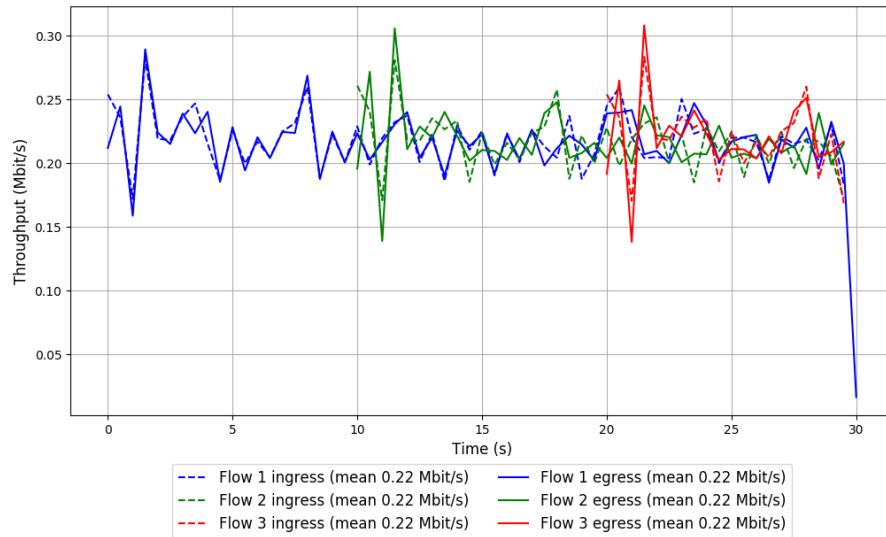


Run 7: Statistics of SCReAM

```
Start at: 2018-04-24 23:11:12
End at: 2018-04-24 23:11:42
Local clock offset: -4.36 ms
Remote clock offset: 3.599 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 96.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 96.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.157 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

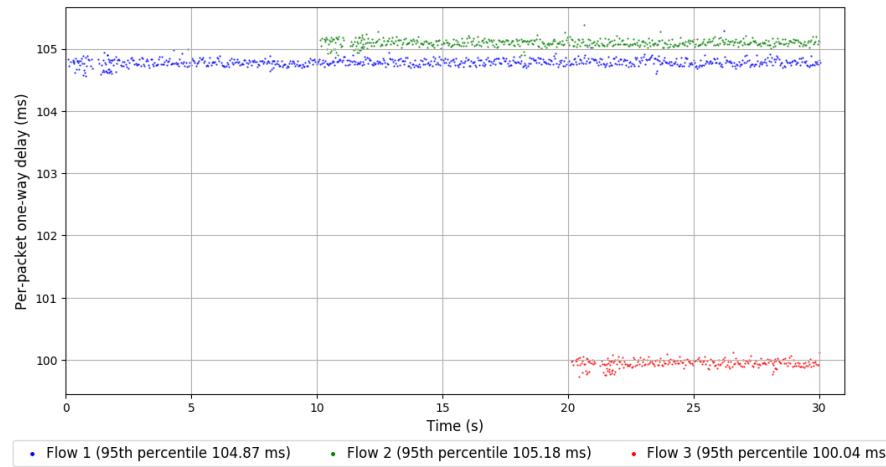
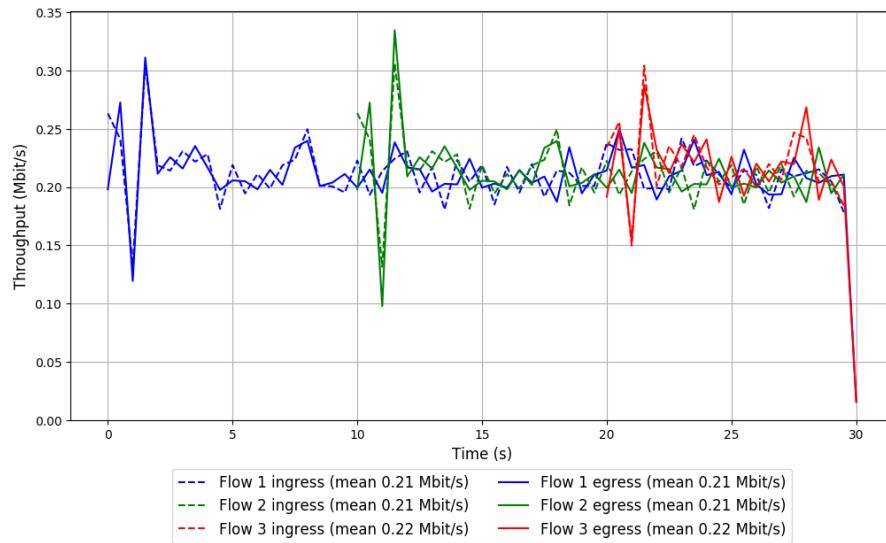


Run 8: Statistics of SCReAM

```
Start at: 2018-04-24 23:33:47
End at: 2018-04-24 23:34:17
Local clock offset: -4.25 ms
Remote clock offset: 6.151 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 105.150 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 104.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 105.181 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.044 ms
Loss rate: 0.00%
```

## Run 8: Report of SCReAM — Data Link

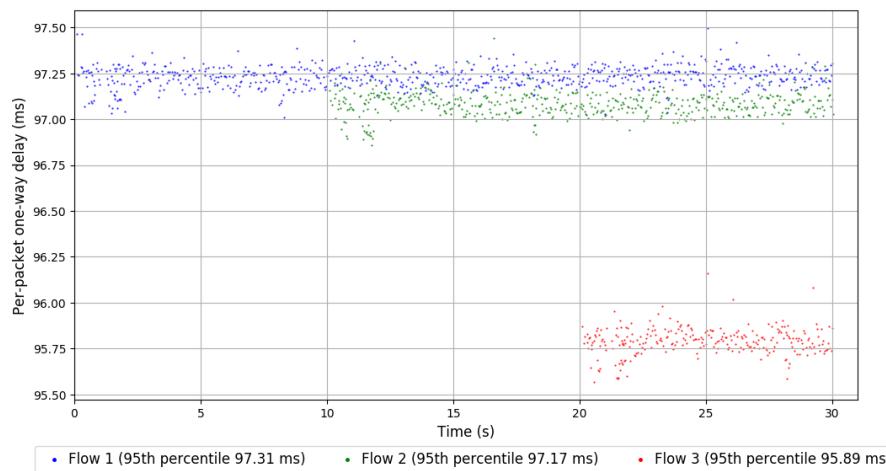
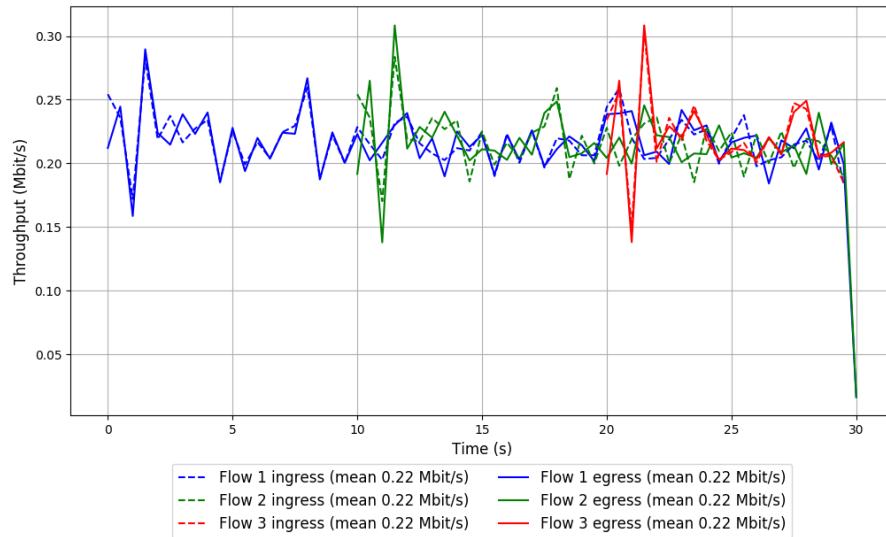


Run 9: Statistics of SCReAM

```
Start at: 2018-04-24 23:56:02
End at: 2018-04-24 23:56:32
Local clock offset: -4.953 ms
Remote clock offset: 2.876 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 97.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.887 ms
Loss rate: 0.00%
```

## Run 9: Report of SCReAM — Data Link

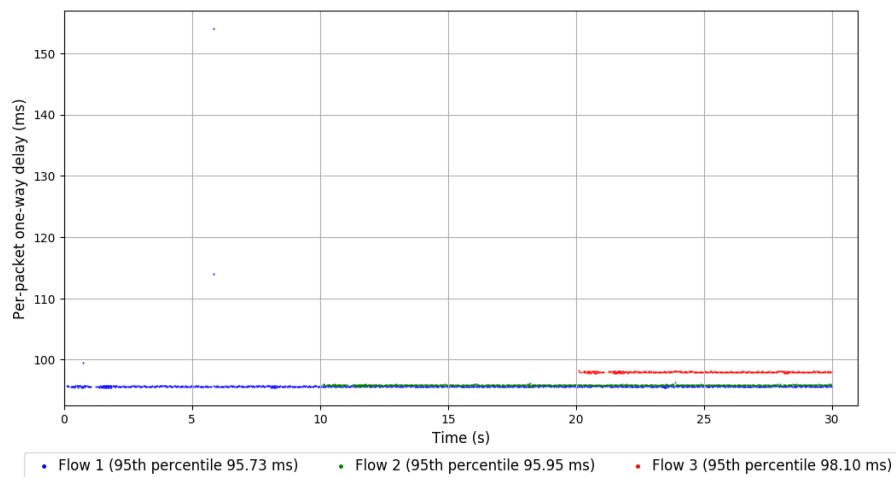
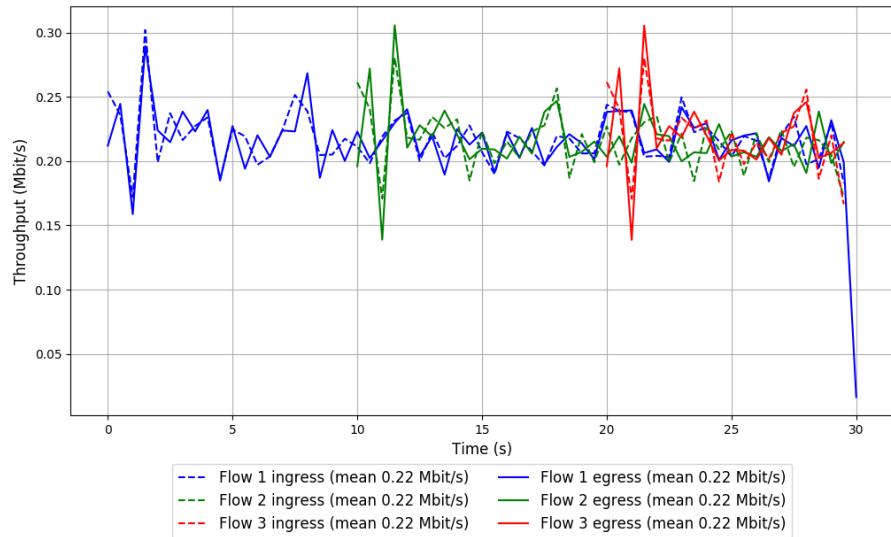


Run 10: Statistics of SCReAM

```
Start at: 2018-04-25 00:18:38
End at: 2018-04-25 00:19:08
Local clock offset: -4.202 ms
Remote clock offset: 2.395 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 98.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.730 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.097 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

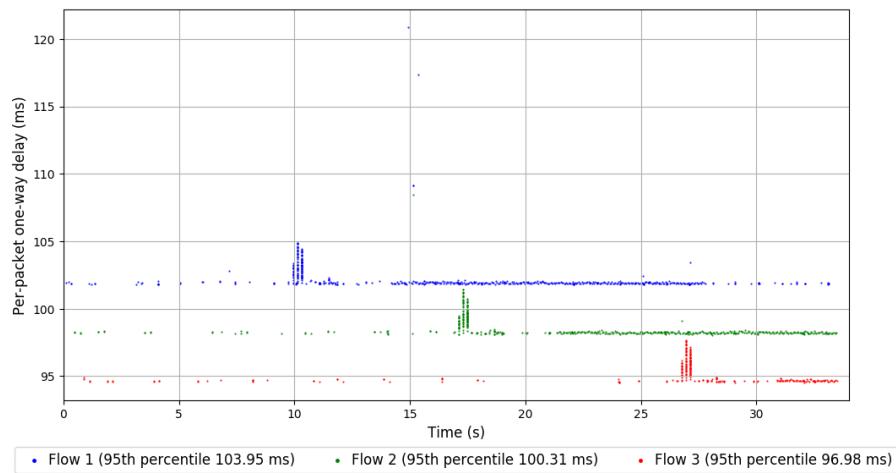
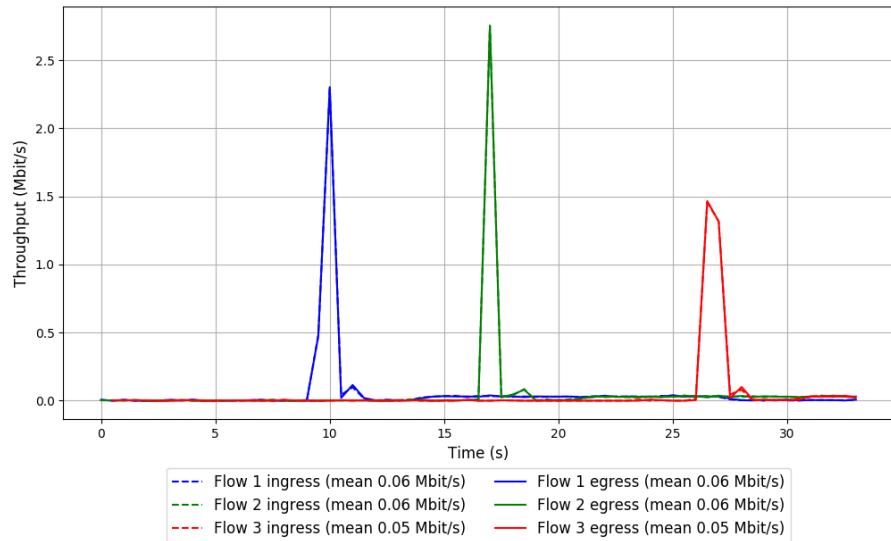


Run 1: Statistics of WebRTC media

```
Start at: 2018-04-24 20:44:06
End at: 2018-04-24 20:44:36
Local clock offset: -4.842 ms
Remote clock offset: 3.395 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 103.163 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 103.947 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 100.309 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 96.984 ms
Loss rate: 0.00%
```

### Run 1: Report of WebRTC media — Data Link

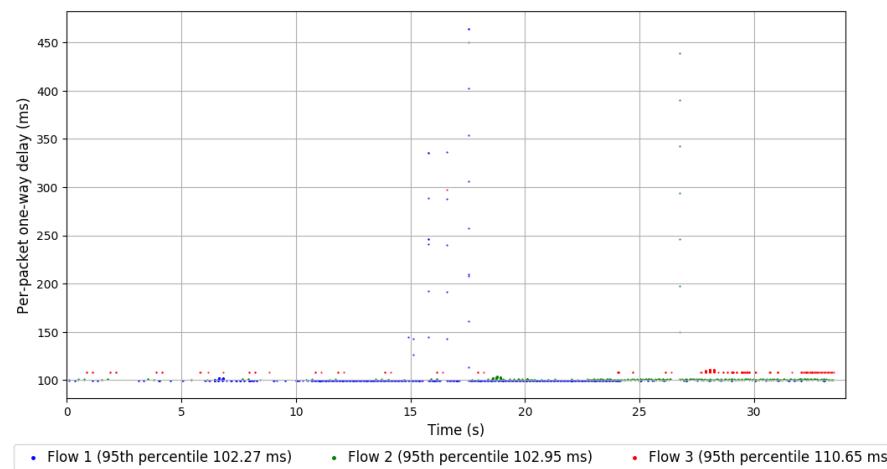
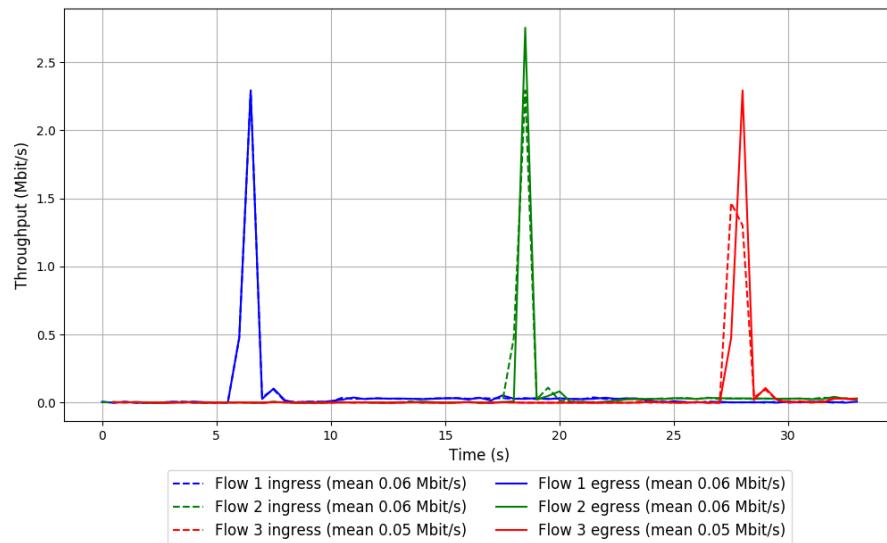


Run 2: Statistics of WebRTC media

```
Start at: 2018-04-24 21:06:42
End at: 2018-04-24 21:07:12
Local clock offset: -4.12 ms
Remote clock offset: 9.255 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 110.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 110.651 ms
Loss rate: 0.00%
```

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

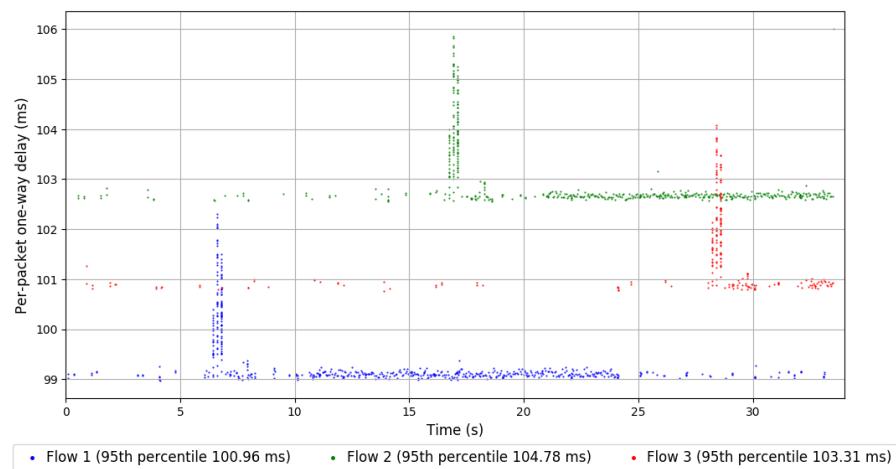
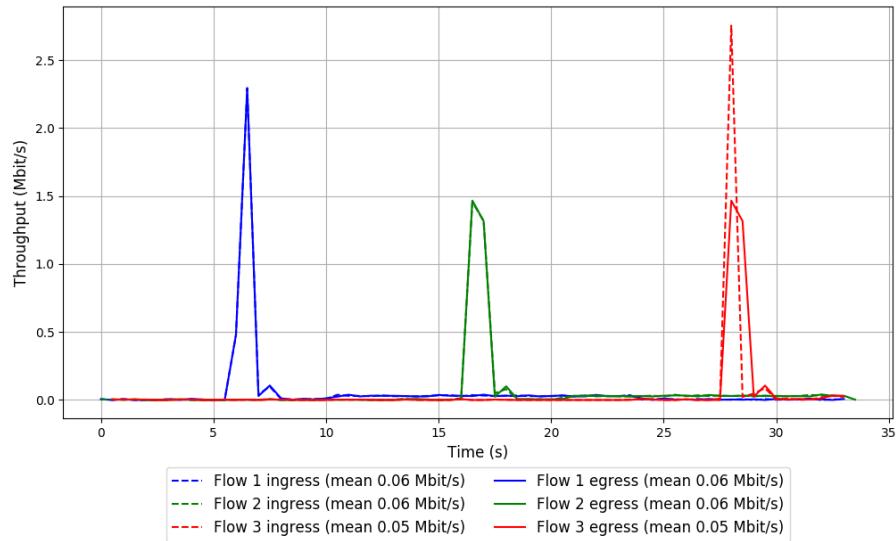


Run 3: Statistics of WebRTC media

```
Start at: 2018-04-24 21:29:12
End at: 2018-04-24 21:29:42
Local clock offset: -4.949 ms
Remote clock offset: 8.397 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 103.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 100.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 103.309 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

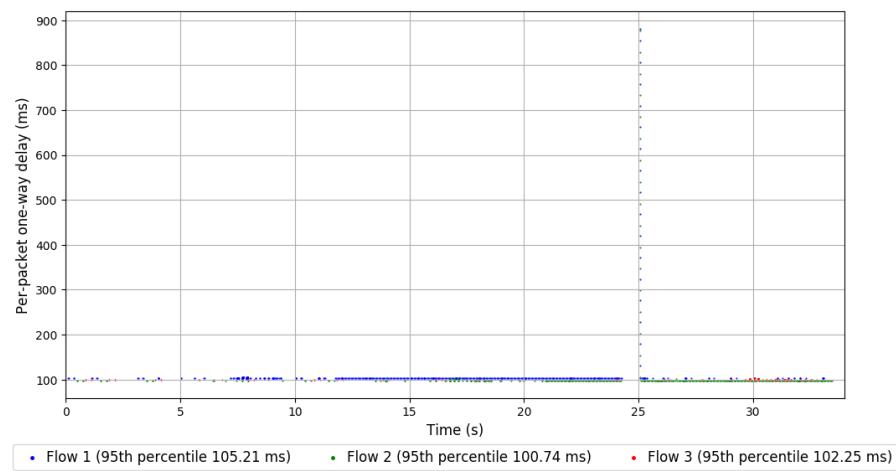
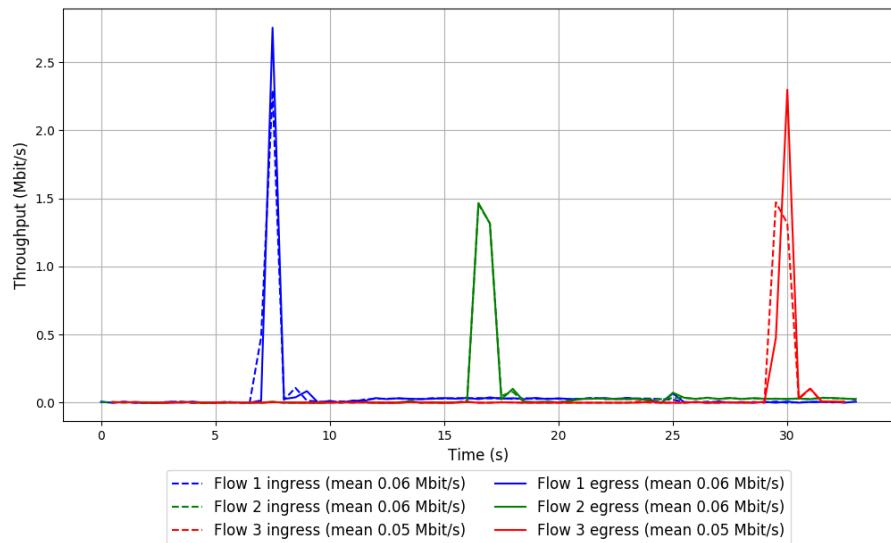


Run 4: Statistics of WebRTC media

```
Start at: 2018-04-24 21:51:47
End at: 2018-04-24 21:52:17
Local clock offset: -5.709 ms
Remote clock offset: 7.529 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 104.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 105.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 100.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 102.248 ms
Loss rate: 0.00%
```

#### Run 4: Report of WebRTC media — Data Link

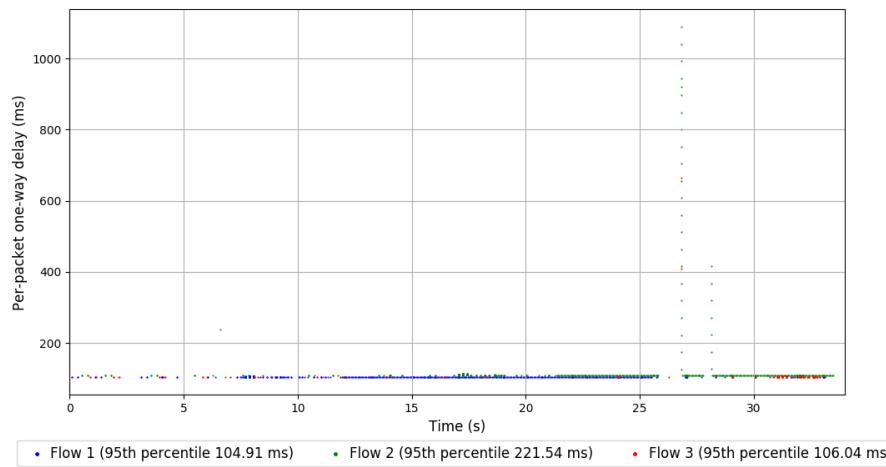
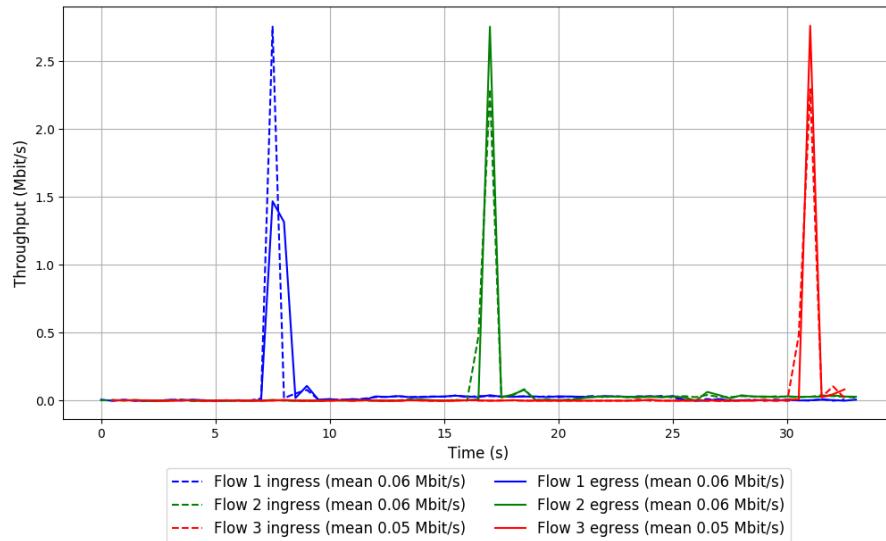


Run 5: Statistics of WebRTC media

```
Start at: 2018-04-24 22:14:18
End at: 2018-04-24 22:14:48
Local clock offset: -5.896 ms
Remote clock offset: 7.997 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 110.656 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 104.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 221.543 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 106.037 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

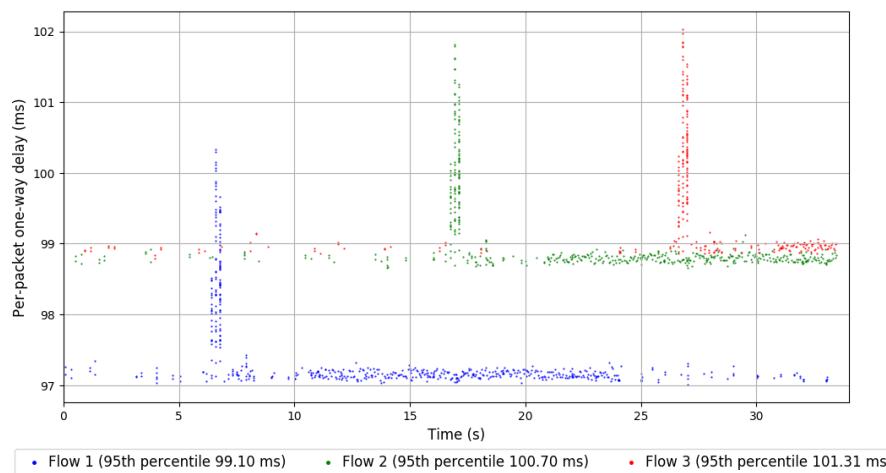
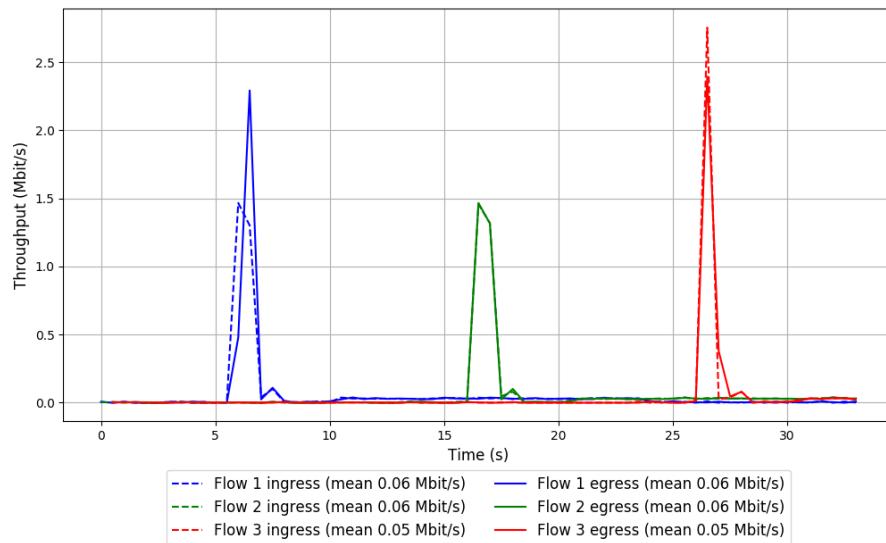


Run 6: Statistics of WebRTC media

```
Start at: 2018-04-24 22:36:50
End at: 2018-04-24 22:37:20
Local clock offset: -5.424 ms
Remote clock offset: 4.077 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 100.561 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 99.104 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 100.697 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 101.309 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

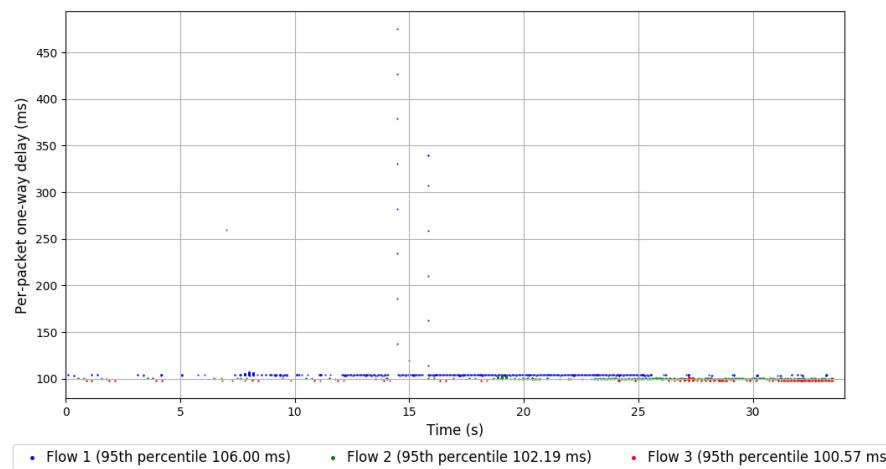
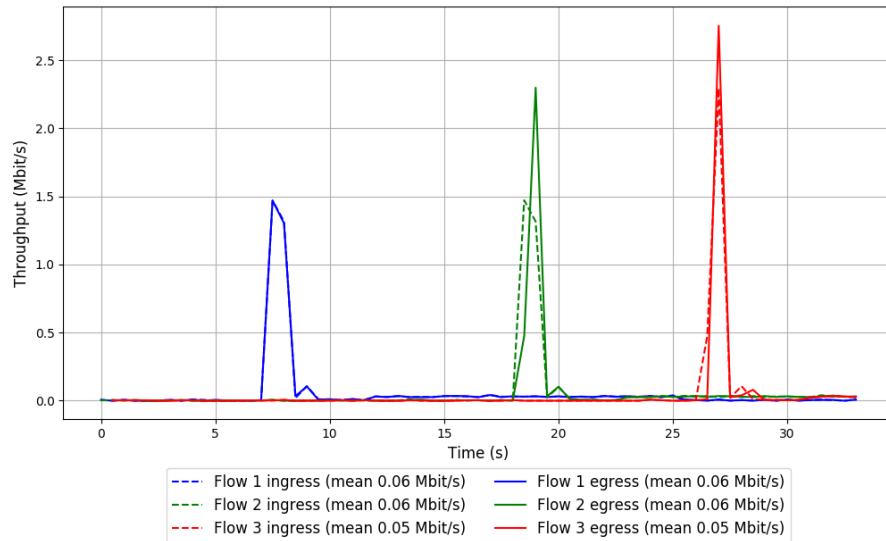


Run 7: Statistics of WebRTC media

```
Start at: 2018-04-24 22:59:23
End at: 2018-04-24 22:59:53
Local clock offset: -5.197 ms
Remote clock offset: 6.796 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 105.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 106.004 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 100.567 ms
Loss rate: 0.00%
```

### Run 7: Report of WebRTC media — Data Link

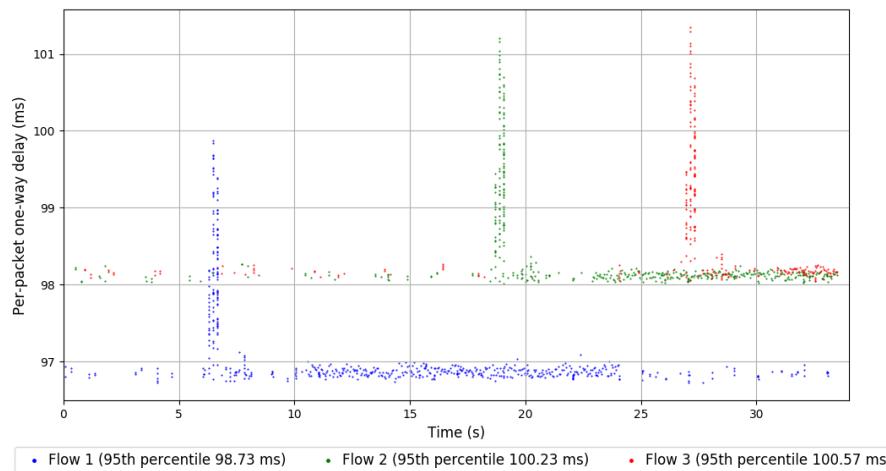
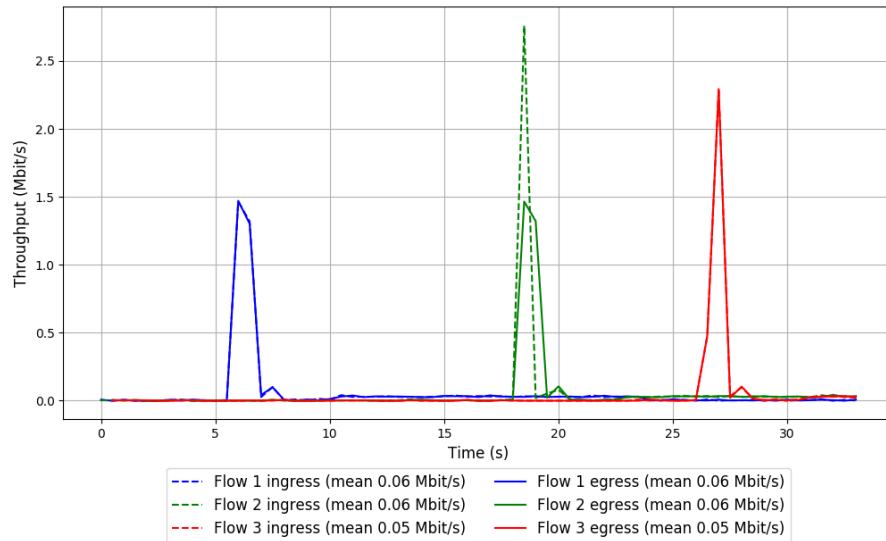


Run 8: Statistics of WebRTC media

```
Start at: 2018-04-24 23:22:01
End at: 2018-04-24 23:22:31
Local clock offset: -5.074 ms
Remote clock offset: 2.478 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 99.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 98.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 100.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 100.567 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

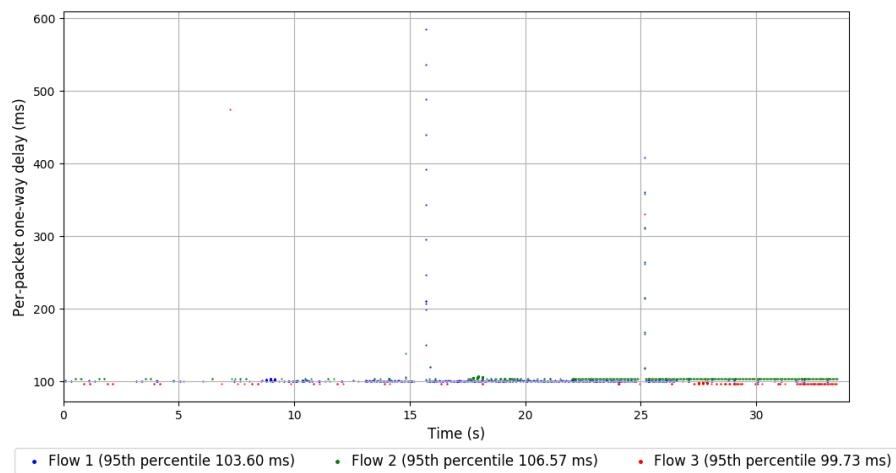
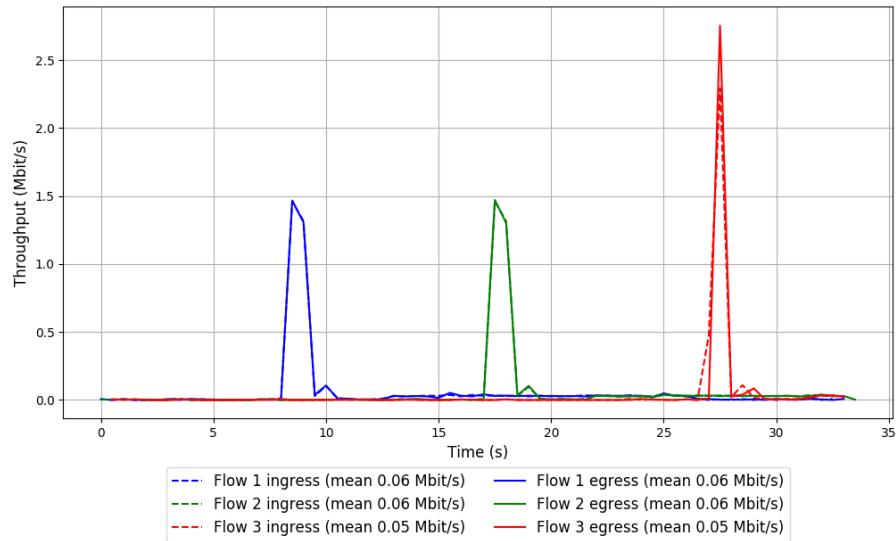


Run 9: Statistics of WebRTC media

```
Start at: 2018-04-24 23:44:16
End at: 2018-04-24 23:44:46
Local clock offset: -5.019 ms
Remote clock offset: 2.977 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 105.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 103.600 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 106.573 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 99.735 ms
Loss rate: 0.00%
```

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

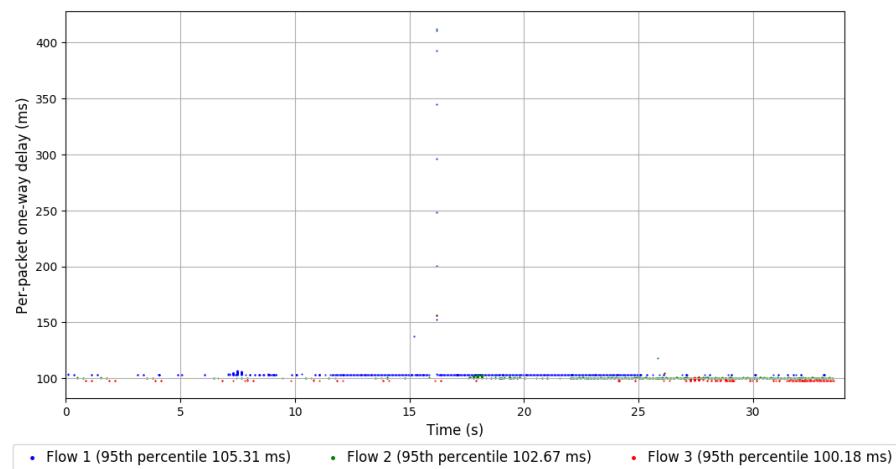
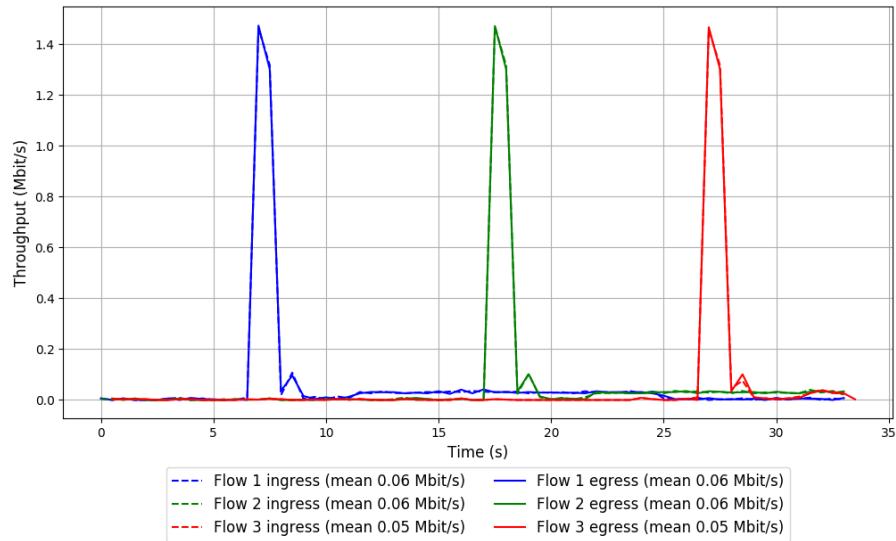


Run 10: Statistics of WebRTC media

```
Start at: 2018-04-25 00:06:53
End at: 2018-04-25 00:07:23
Local clock offset: -5.024 ms
Remote clock offset: 1.987 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 104.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 105.313 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 102.674 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 100.183 ms
Loss rate: 0.00%
```

## Run 10: Report of WebRTC media — Data Link

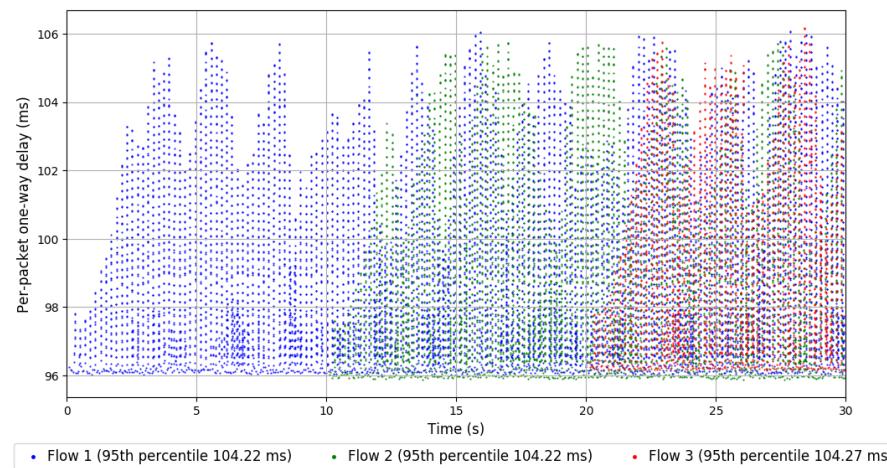
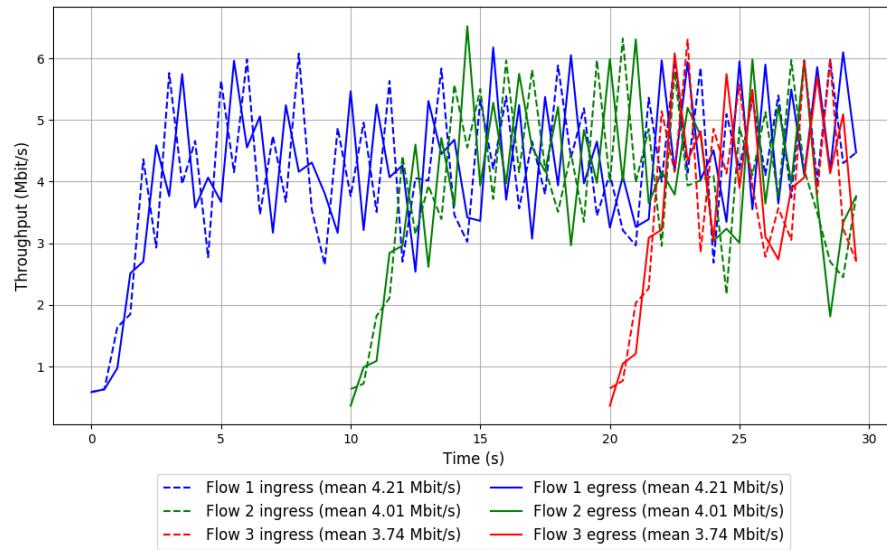


Run 1: Statistics of Sprout

```
Start at: 2018-04-24 20:57:05
End at: 2018-04-24 20:57:35
Local clock offset: -4.763 ms
Remote clock offset: 3.733 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 104.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 104.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 104.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 104.271 ms
Loss rate: 0.00%
```

## Run 1: Report of Sprout — Data Link

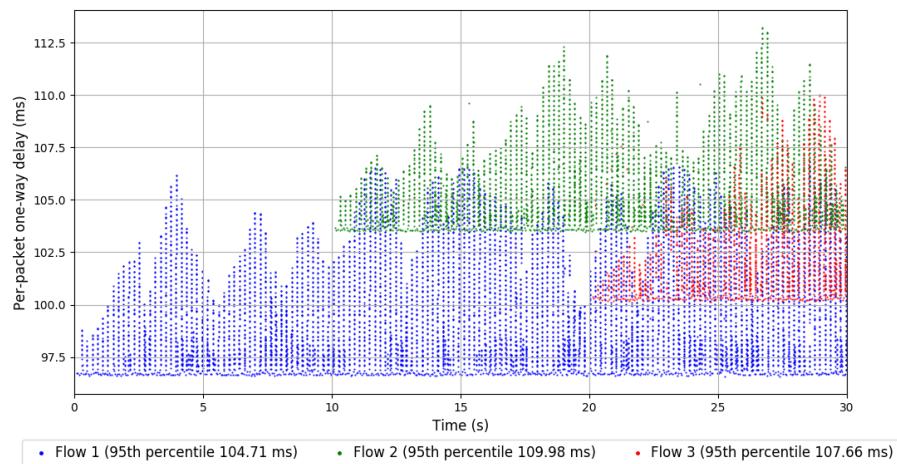
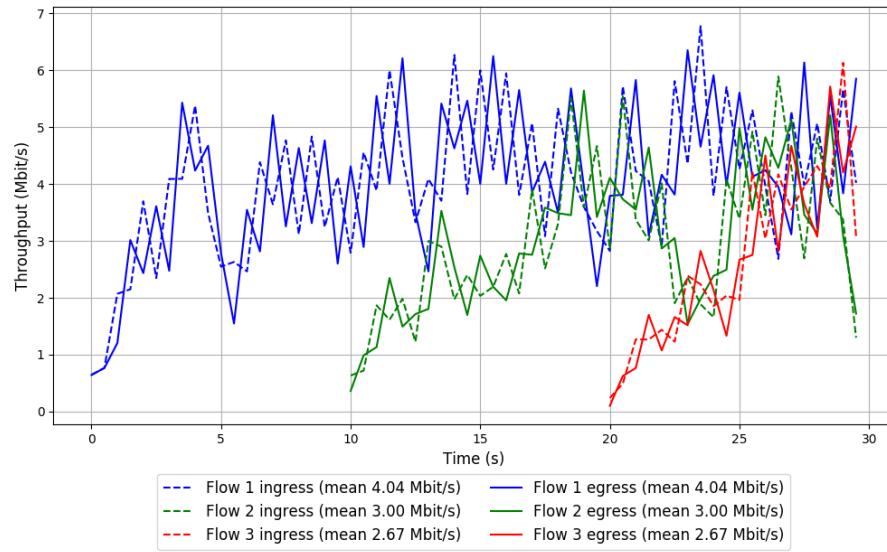


Run 2: Statistics of Sprout

```
Start at: 2018-04-24 21:19:41
End at: 2018-04-24 21:20:11
Local clock offset: -5.768 ms
Remote clock offset: 4.713 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 108.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 104.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 109.979 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 107.661 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

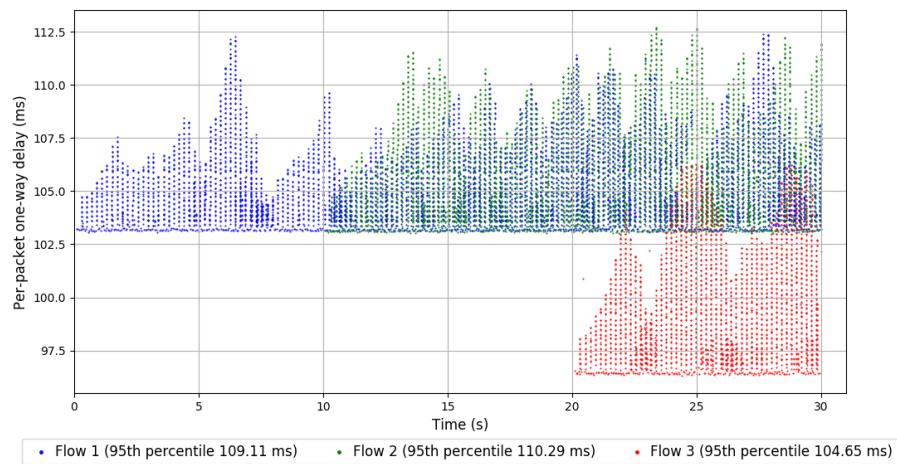
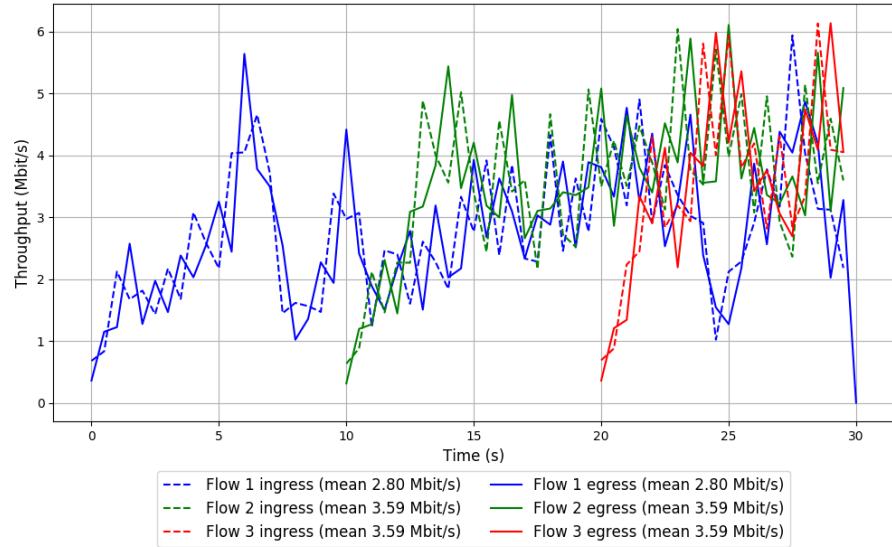


Run 3: Statistics of Sprout

```
Start at: 2018-04-24 21:42:17
End at: 2018-04-24 21:42:47
Local clock offset: -4.979 ms
Remote clock offset: 3.836 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 109.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 109.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 110.286 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 104.646 ms
Loss rate: 0.00%
```

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

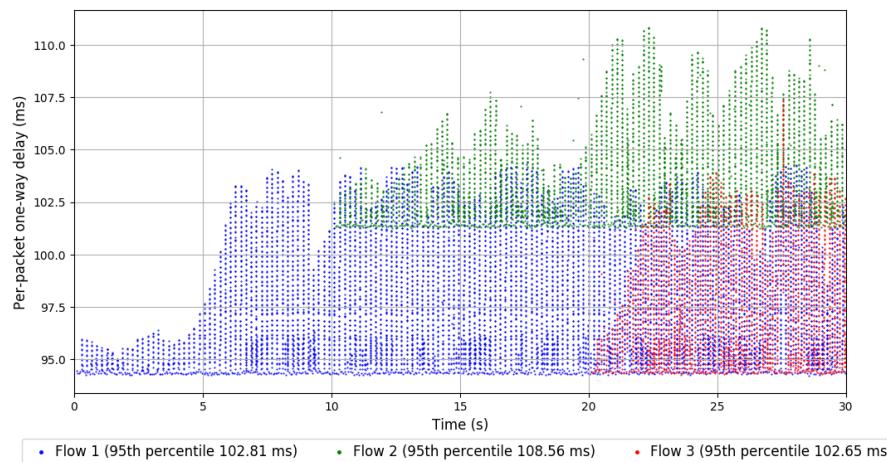
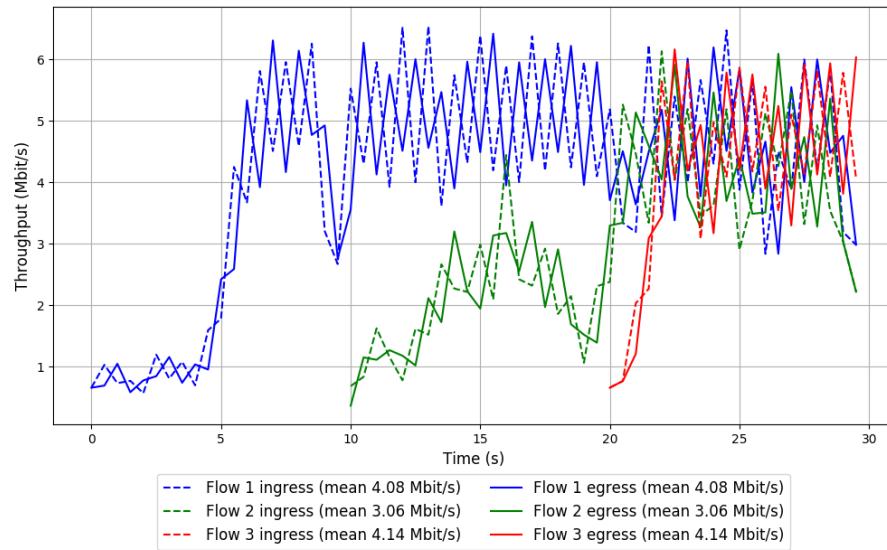


Run 4: Statistics of Sprout

```
Start at: 2018-04-24 22:04:47
End at: 2018-04-24 22:05:17
Local clock offset: -4.884 ms
Remote clock offset: 3.5 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 106.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 102.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 108.555 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 102.653 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

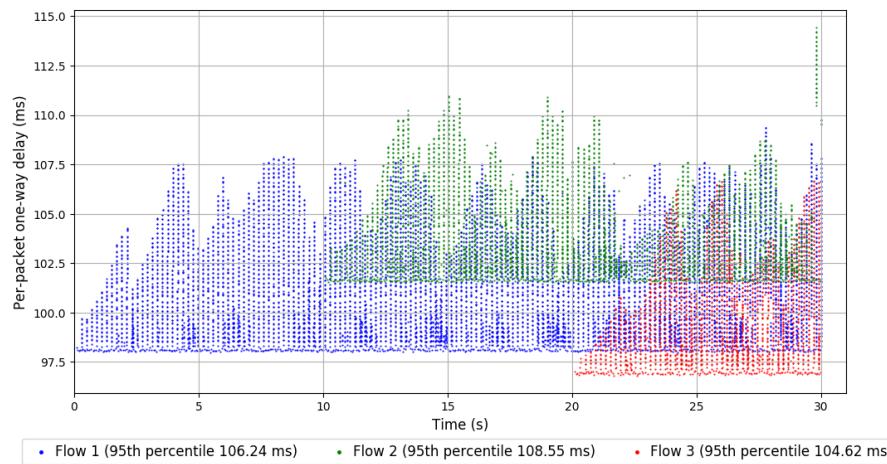
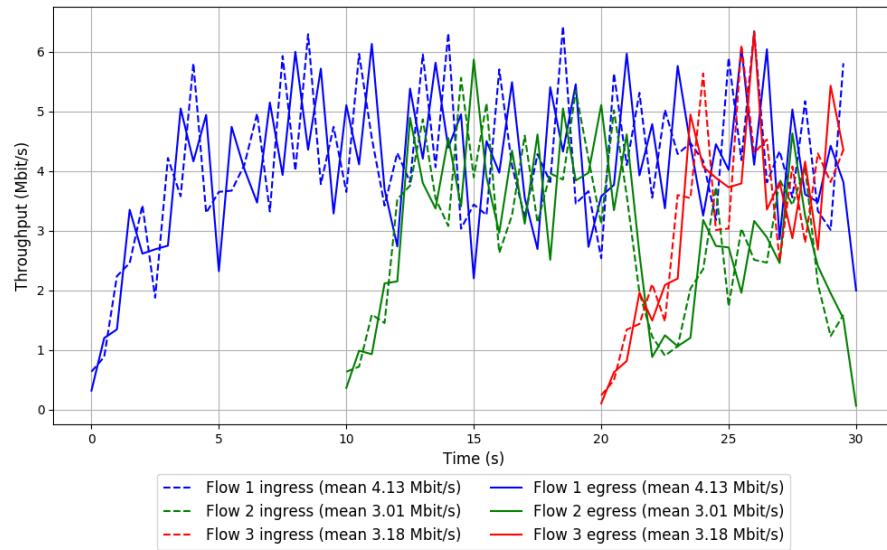


Run 5: Statistics of Sprout

```
Start at: 2018-04-24 22:27:20
End at: 2018-04-24 22:27:50
Local clock offset: -4.626 ms
Remote clock offset: 4.301 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 107.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 106.243 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 108.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 104.618 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

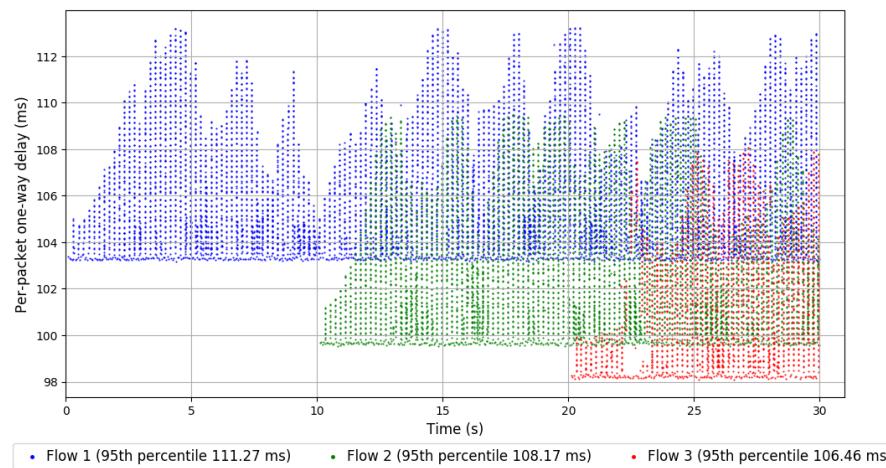
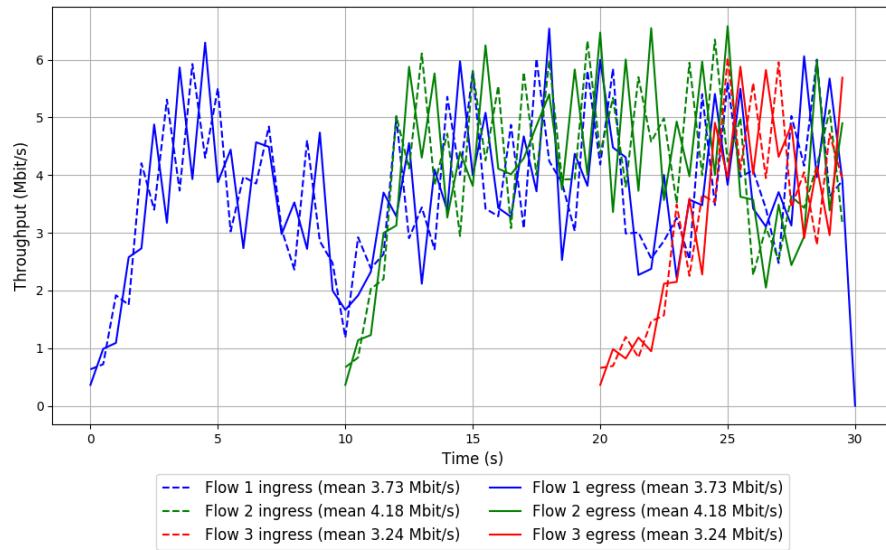


Run 6: Statistics of Sprout

```
Start at: 2018-04-24 22:49:50
End at: 2018-04-24 22:50:20
Local clock offset: -5.346 ms
Remote clock offset: 7.823 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 110.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 111.272 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 108.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 106.456 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

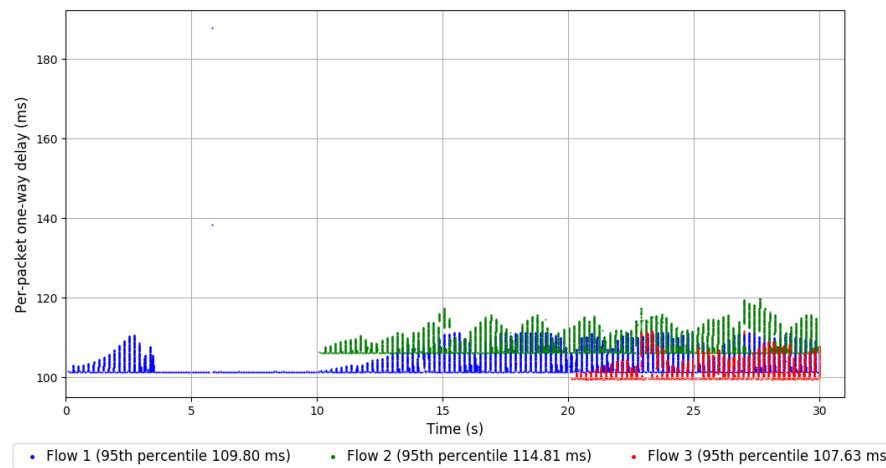
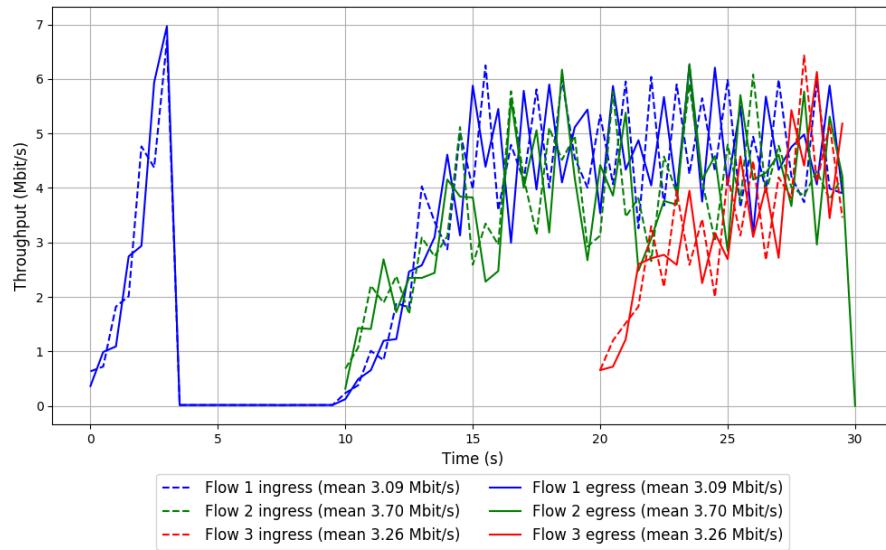


Run 7: Statistics of Sprout

```
Start at: 2018-04-24 23:12:26
End at: 2018-04-24 23:12:56
Local clock offset: -5.152 ms
Remote clock offset: 7.344 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 113.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 109.798 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 114.815 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 107.628 ms
Loss rate: 0.00%
```

## Run 7: Report of Sprout — Data Link

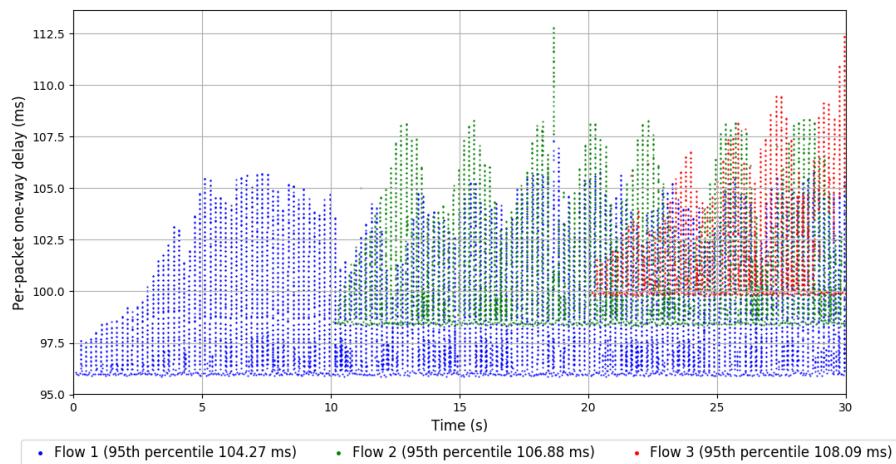
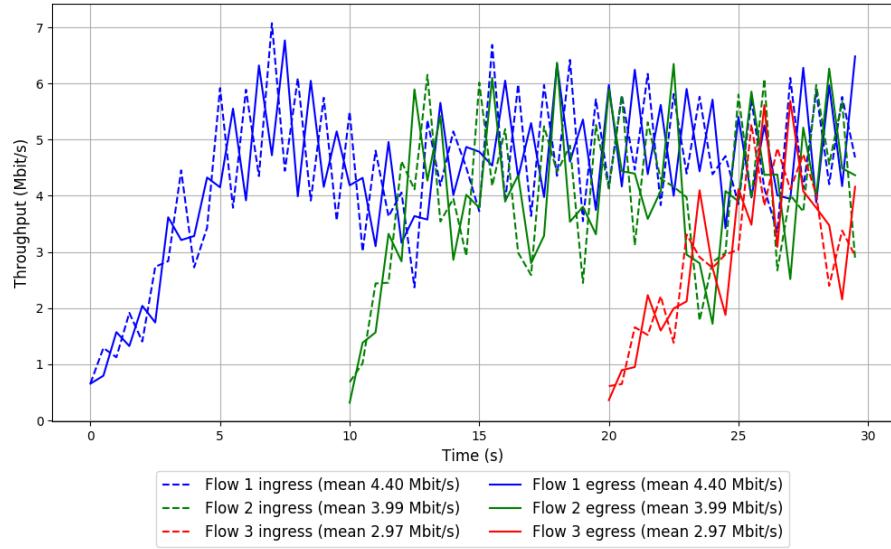


Run 8: Statistics of Sprout

```
Start at: 2018-04-24 23:35:01
End at: 2018-04-24 23:35:31
Local clock offset: -5.824 ms
Remote clock offset: 3.112 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 106.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 104.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 106.884 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 108.088 ms
Loss rate: 0.00%
```

## Run 8: Report of Sprout — Data Link

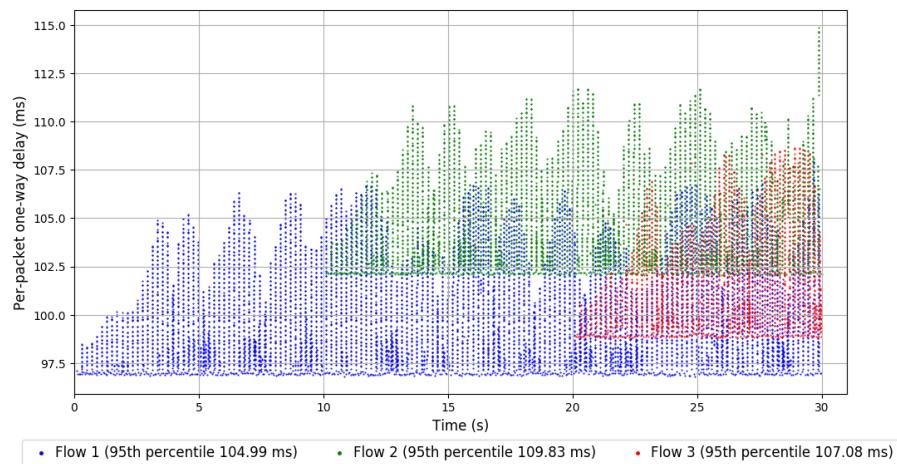
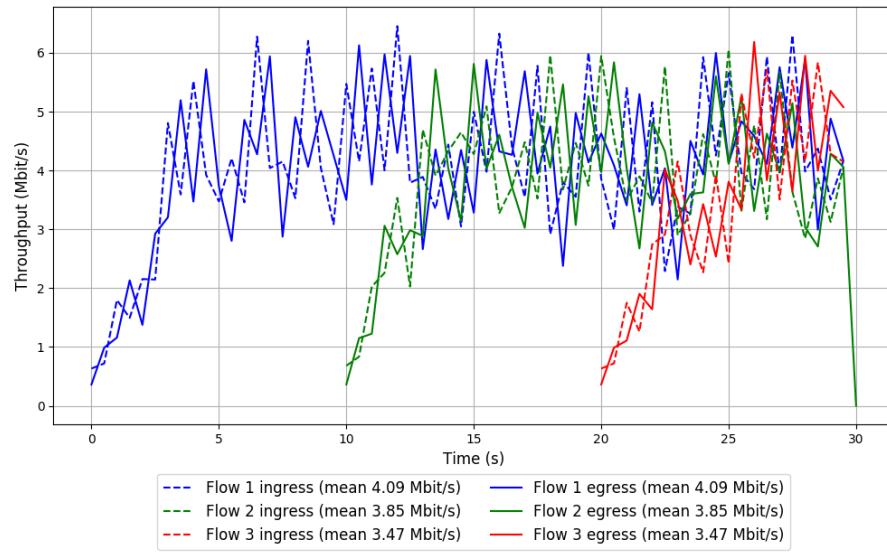


Run 9: Statistics of Sprout

```
Start at: 2018-04-24 23:57:16
End at: 2018-04-24 23:57:46
Local clock offset: -5.743 ms
Remote clock offset: 2.051 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 108.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 104.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 109.831 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 107.076 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

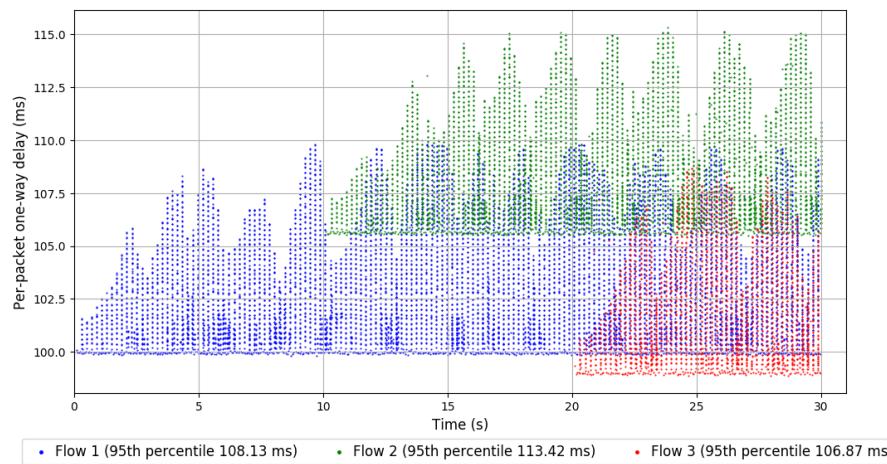
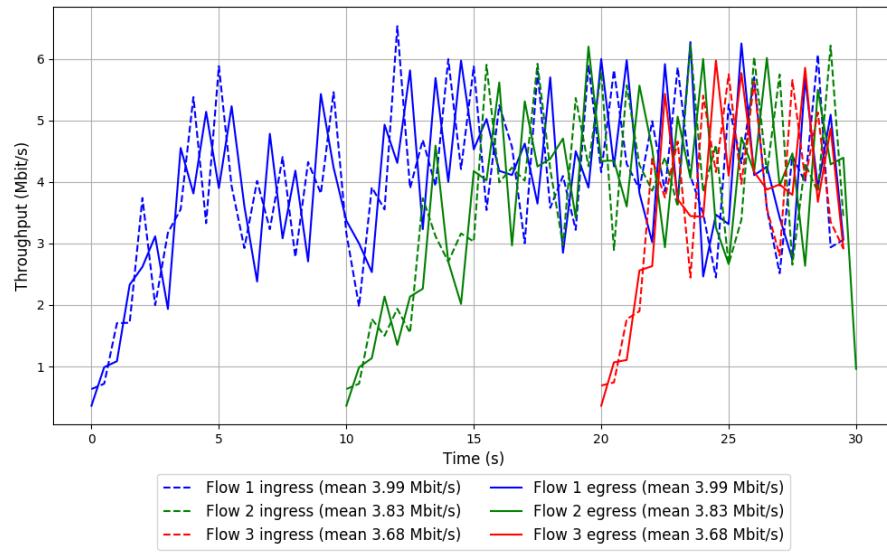


Run 10: Statistics of Sprout

```
Start at: 2018-04-25 00:19:53
End at: 2018-04-25 00:20:23
Local clock offset: -4.979 ms
Remote clock offset: 6.161 ms

# Below is generated by plot.py at 2018-04-25 01:01:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 111.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 108.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 113.422 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 106.872 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

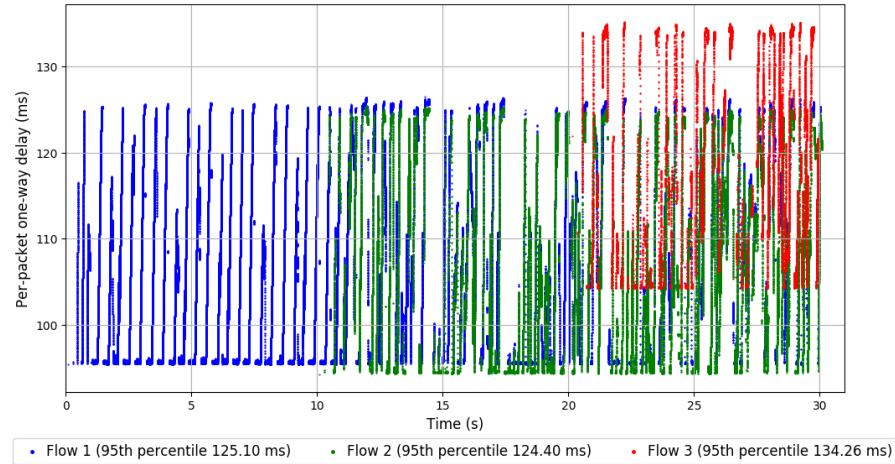
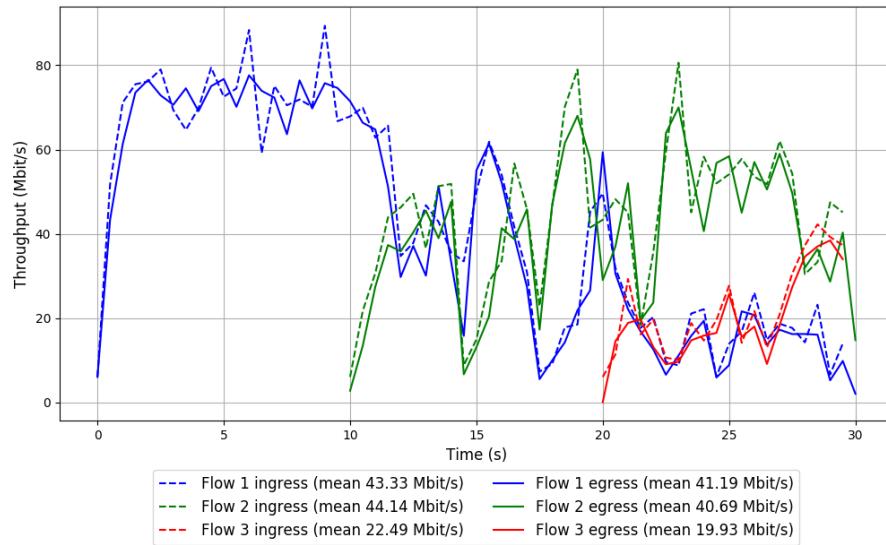


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-04-24 21:05:19
End at: 2018-04-24 21:05:49
Local clock offset: -4.855 ms
Remote clock offset: 4.635 ms

# Below is generated by plot.py at 2018-04-25 01:02:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 125.246 ms
Loss rate: 6.50%
-- Flow 1:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 125.097 ms
Loss rate: 4.84%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 124.398 ms
Loss rate: 7.71%
-- Flow 3:
Average throughput: 19.93 Mbit/s
95th percentile per-packet one-way delay: 134.265 ms
Loss rate: 11.42%
```

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

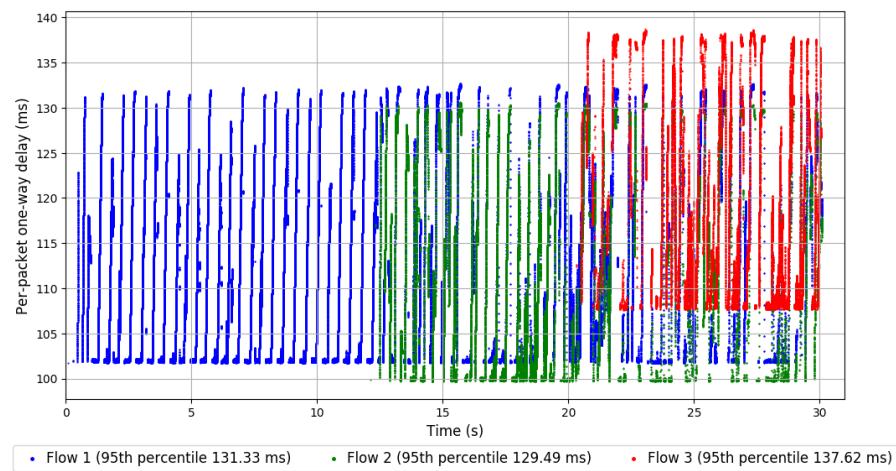
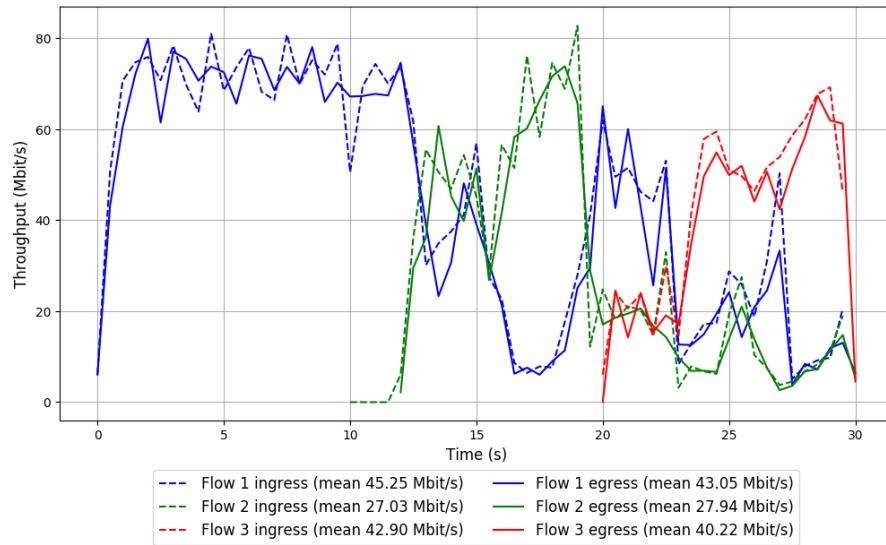


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-04-24 21:27:49
End at: 2018-04-24 21:28:19
Local clock offset: -5.707 ms
Remote clock offset: 7.609 ms

# Below is generated by plot.py at 2018-04-25 01:02:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 131.881 ms
Loss rate: 5.53%
-- Flow 1:
Average throughput: 43.05 Mbit/s
95th percentile per-packet one-way delay: 131.332 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 129.488 ms
Loss rate: 6.91%
-- Flow 3:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 137.625 ms
Loss rate: 6.06%
```

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

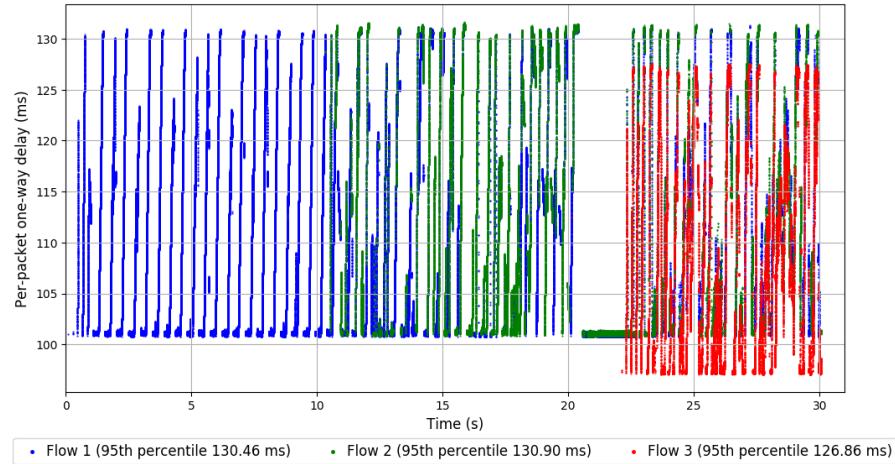
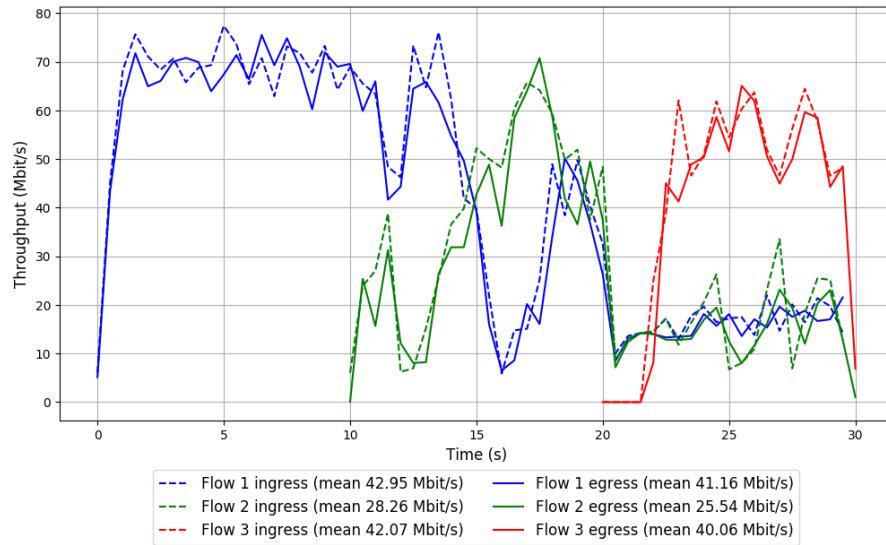


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-04-24 21:50:24
End at: 2018-04-24 21:50:54
Local clock offset: -4.173 ms
Remote clock offset: 3.793 ms

# Below is generated by plot.py at 2018-04-25 01:02:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.33 Mbit/s
95th percentile per-packet one-way delay: 130.481 ms
Loss rate: 5.66%
-- Flow 1:
Average throughput: 41.16 Mbit/s
95th percentile per-packet one-way delay: 130.464 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 130.897 ms
Loss rate: 9.63%
-- Flow 3:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 126.859 ms
Loss rate: 4.92%
```

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

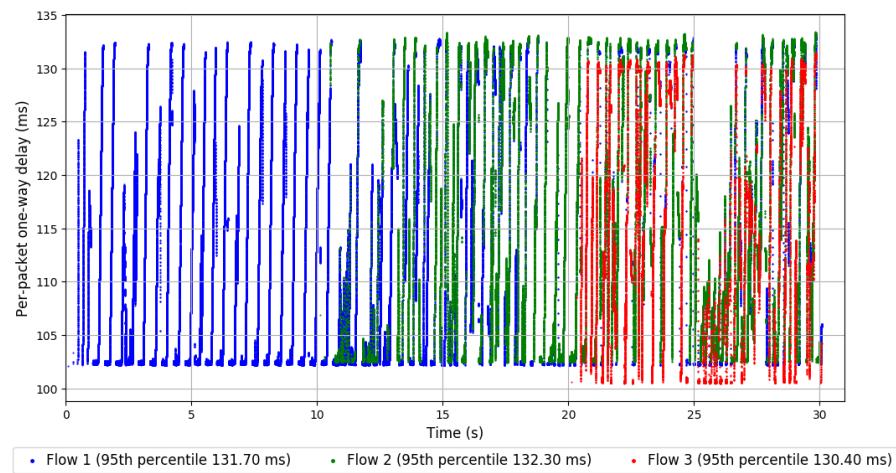
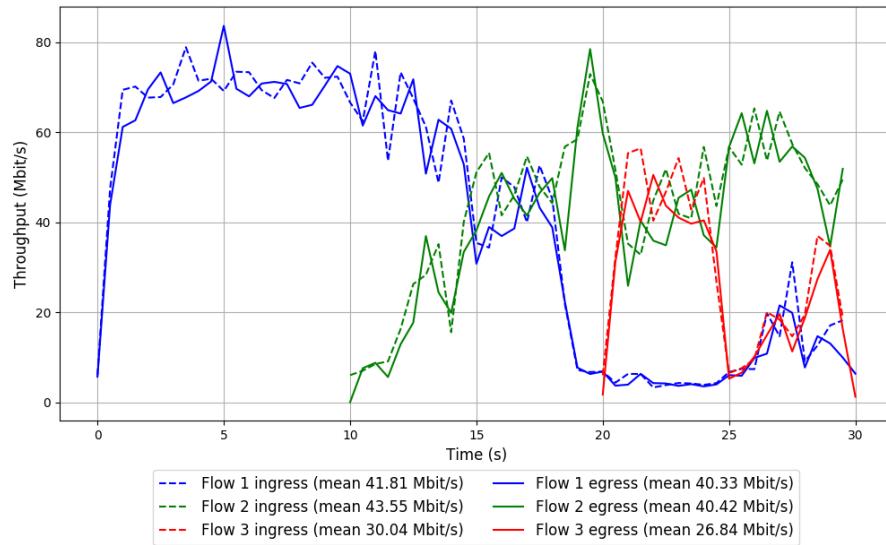


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-04-24 22:12:55
End at: 2018-04-24 22:13:25
Local clock offset: -4.345 ms
Remote clock offset: 8.134 ms

# Below is generated by plot.py at 2018-04-25 01:02:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 131.959 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 131.704 ms
Loss rate: 3.53%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 132.302 ms
Loss rate: 7.21%
-- Flow 3:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 130.395 ms
Loss rate: 10.61%
```

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

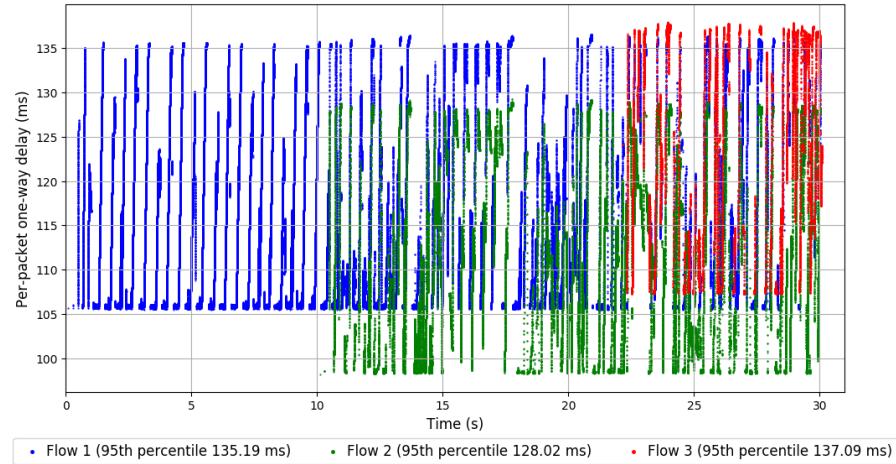
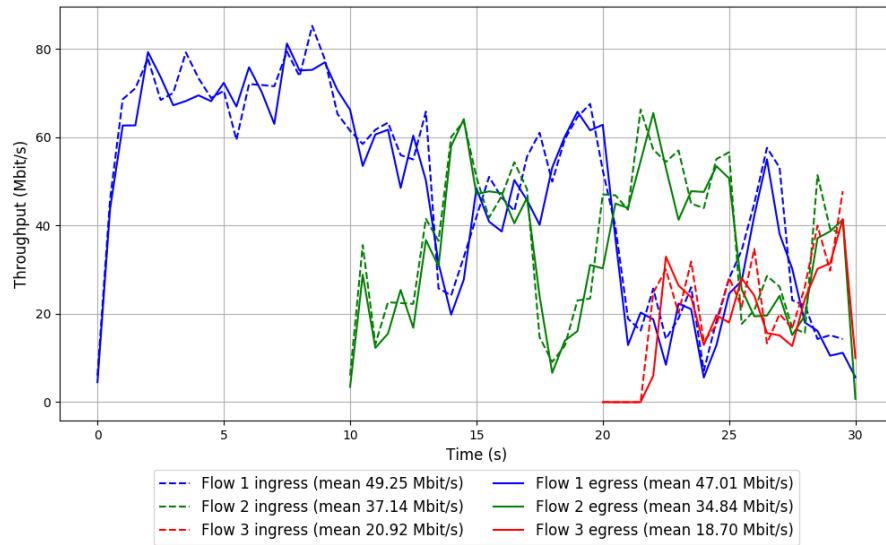


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-04-24 22:35:27
End at: 2018-04-24 22:35:57
Local clock offset: -4.663 ms
Remote clock offset: 7.85 ms

# Below is generated by plot.py at 2018-04-25 01:03:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.28 Mbit/s
95th percentile per-packet one-way delay: 135.151 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 135.192 ms
Loss rate: 4.50%
-- Flow 2:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 128.019 ms
Loss rate: 6.05%
-- Flow 3:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 137.093 ms
Loss rate: 10.64%
```

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

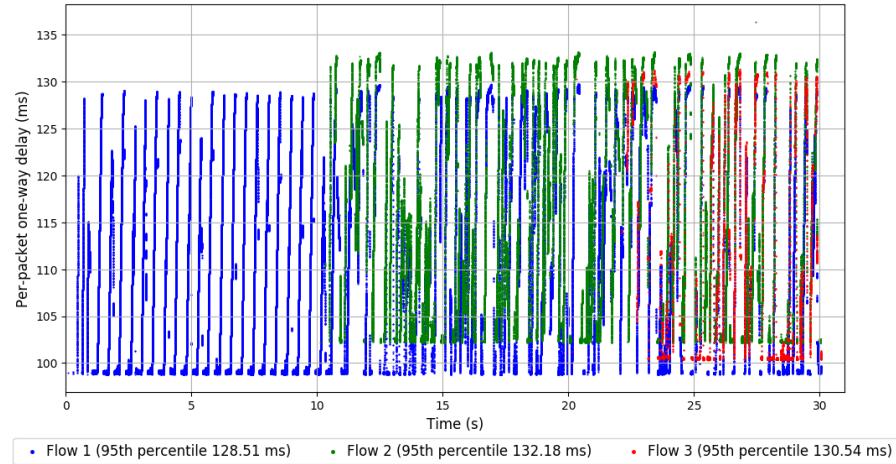
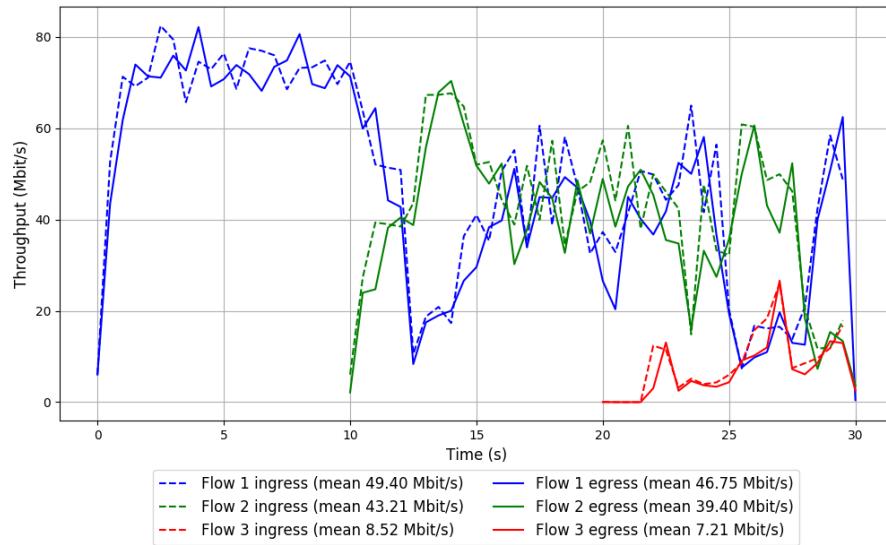


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-04-24 22:58:01
End at: 2018-04-24 22:58:31
Local clock offset: -4.443 ms
Remote clock offset: 7.692 ms

# Below is generated by plot.py at 2018-04-25 01:03:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.31 Mbit/s
95th percentile per-packet one-way delay: 131.189 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 128.508 ms
Loss rate: 5.36%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 132.183 ms
Loss rate: 8.82%
-- Flow 3:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 130.538 ms
Loss rate: 15.41%
```

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

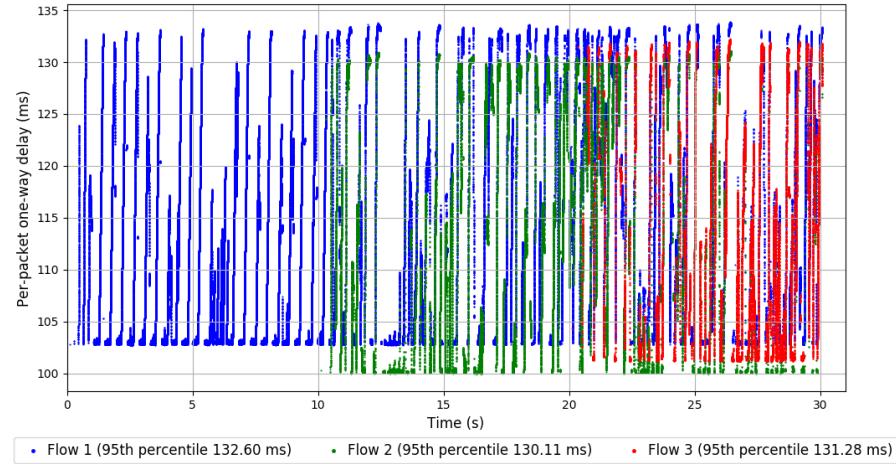
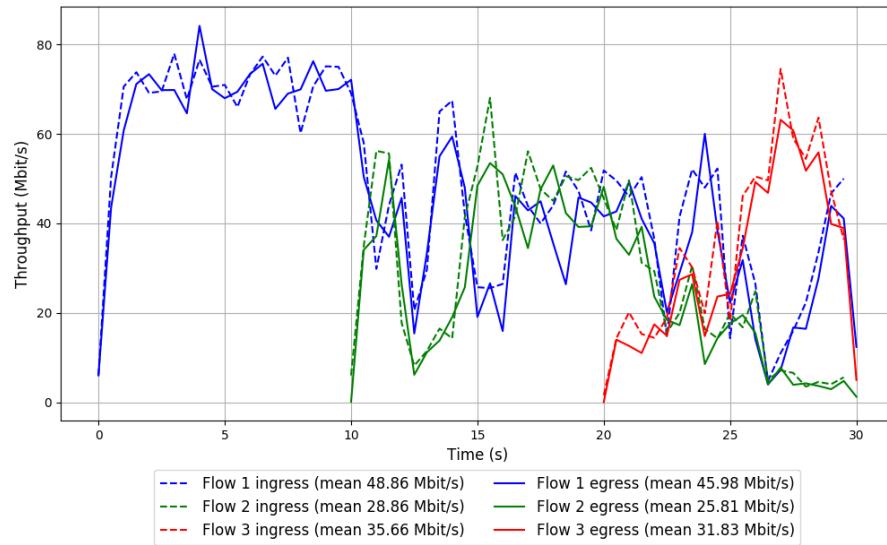


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-04-24 23:20:39
End at: 2018-04-24 23:21:09
Local clock offset: -4.328 ms
Remote clock offset: 7.983 ms

# Below is generated by plot.py at 2018-04-25 01:03:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 132.220 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 45.98 Mbit/s
95th percentile per-packet one-way delay: 132.600 ms
Loss rate: 5.82%
-- Flow 2:
Average throughput: 25.81 Mbit/s
95th percentile per-packet one-way delay: 130.110 ms
Loss rate: 10.46%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 131.281 ms
Loss rate: 10.53%
```

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

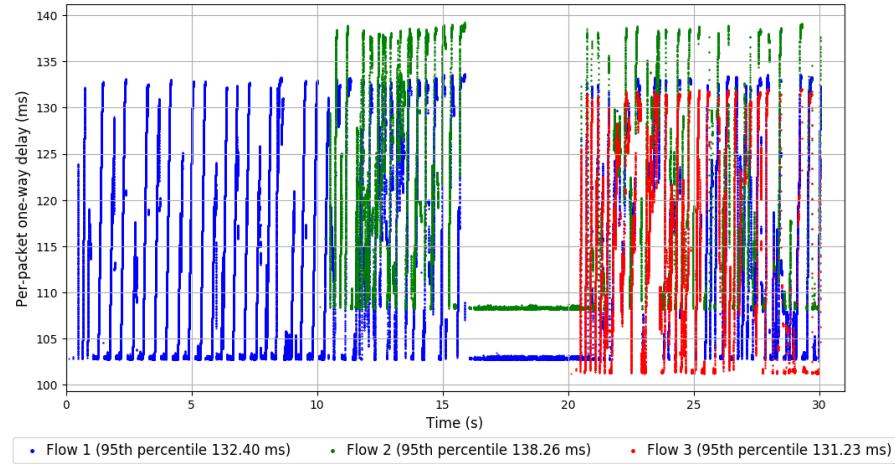
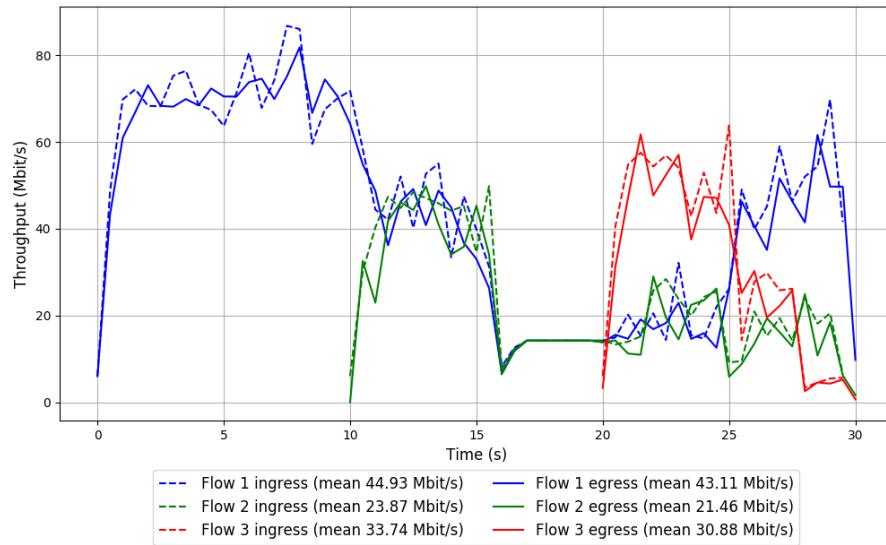


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-04-24 23:42:54
End at: 2018-04-24 23:43:24
Local clock offset: -4.234 ms
Remote clock offset: 7.686 ms

# Below is generated by plot.py at 2018-04-25 01:03:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 133.128 ms
Loss rate: 6.04%
-- Flow 1:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 132.400 ms
Loss rate: 4.01%
-- Flow 2:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 138.265 ms
Loss rate: 10.10%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 131.227 ms
Loss rate: 8.44%
```

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

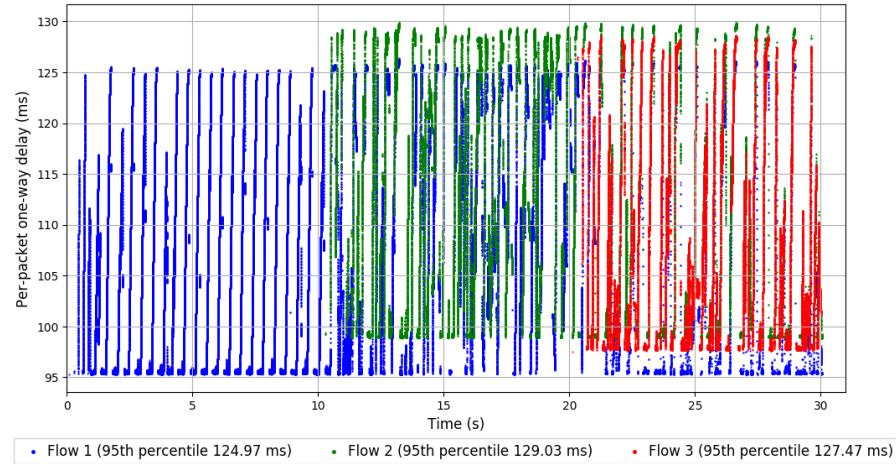
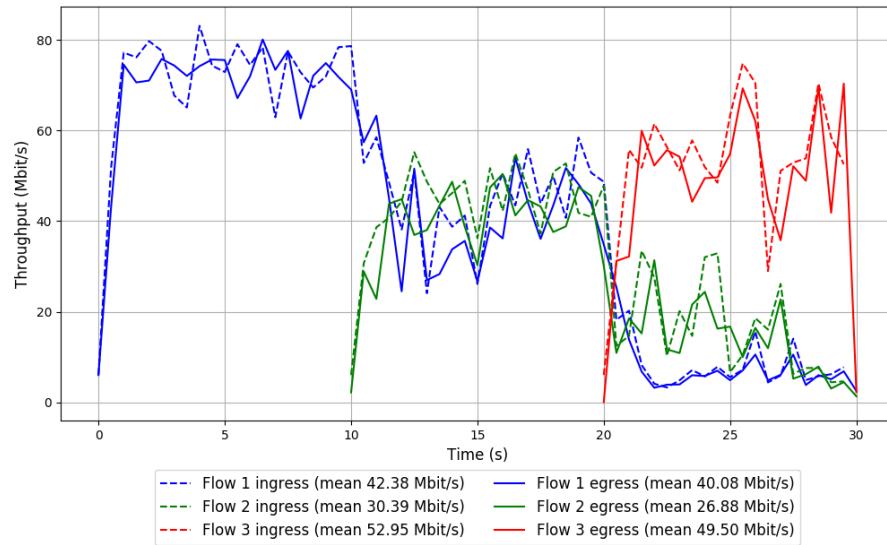


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-04-25 00:05:29
End at: 2018-04-25 00:05:59
Local clock offset: -4.966 ms
Remote clock offset: 2.764 ms

# Below is generated by plot.py at 2018-04-25 01:04:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 127.649 ms
Loss rate: 7.23%
-- Flow 1:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 124.974 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 129.029 ms
Loss rate: 11.62%
-- Flow 3:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 127.469 ms
Loss rate: 6.47%
```

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

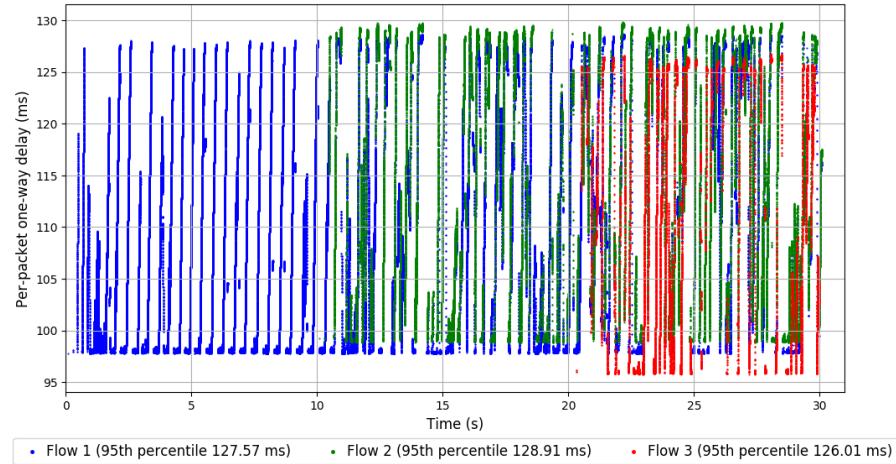
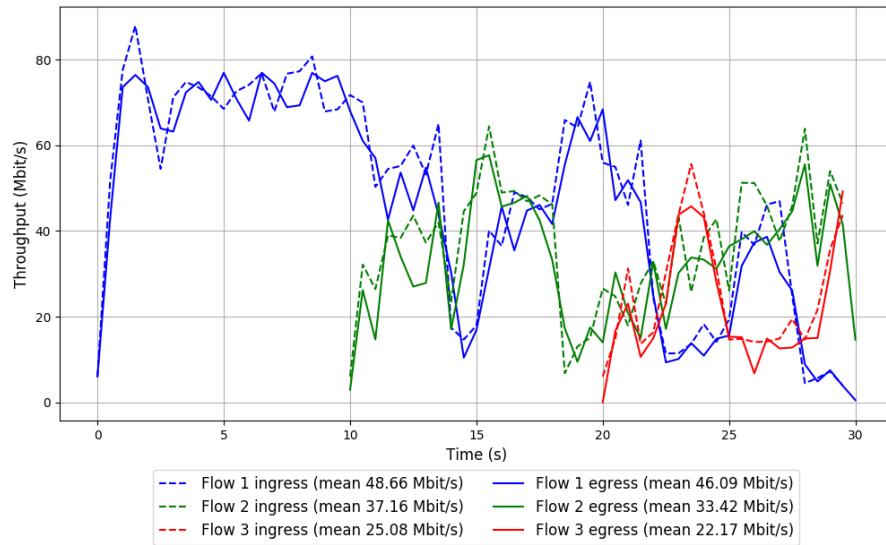


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-04-25 00:27:47
End at: 2018-04-25 00:28:17
Local clock offset: -4.925 ms
Remote clock offset: 3.293 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 128.187 ms
Loss rate: 7.34%
-- Flow 1:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 127.571 ms
Loss rate: 5.23%
-- Flow 2:
Average throughput: 33.42 Mbit/s
95th percentile per-packet one-way delay: 128.909 ms
Loss rate: 10.00%
-- Flow 3:
Average throughput: 22.17 Mbit/s
95th percentile per-packet one-way delay: 126.010 ms
Loss rate: 11.81%
```

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

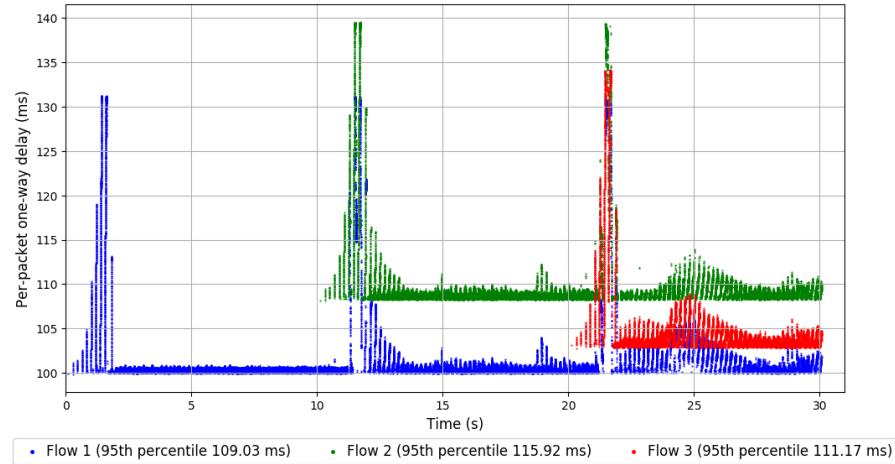
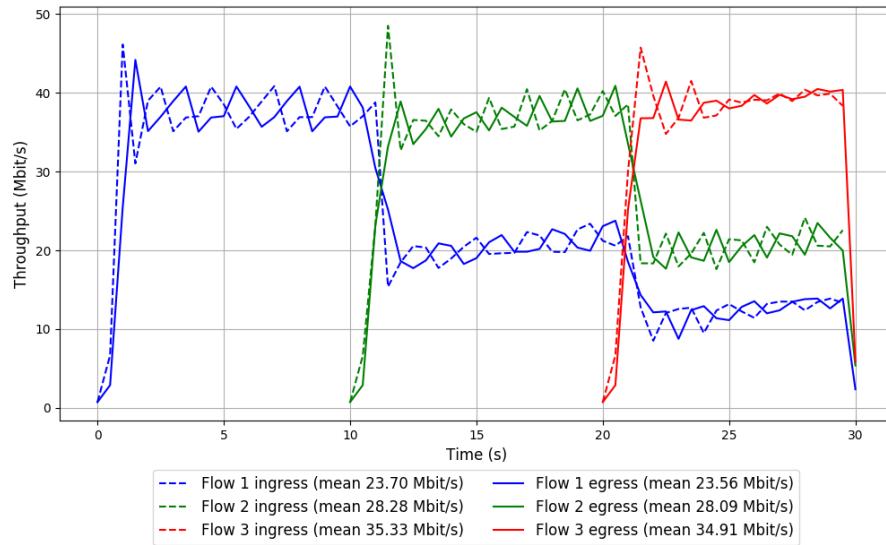


Run 1: Statistics of TCP Vegas

```
Start at: 2018-04-24 21:04:02
End at: 2018-04-24 21:04:32
Local clock offset: -4.91 ms
Remote clock offset: 8.498 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 112.784 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 109.028 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 115.925 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 111.171 ms
Loss rate: 1.20%
```

Run 1: Report of TCP Vegas — Data Link

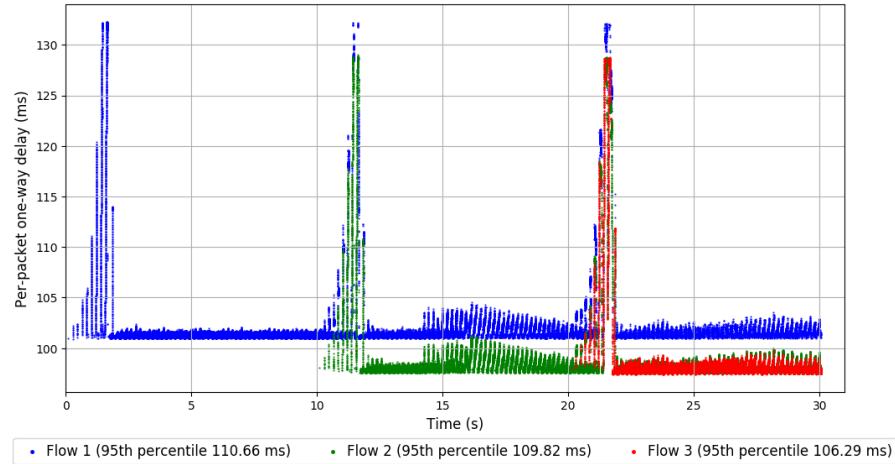
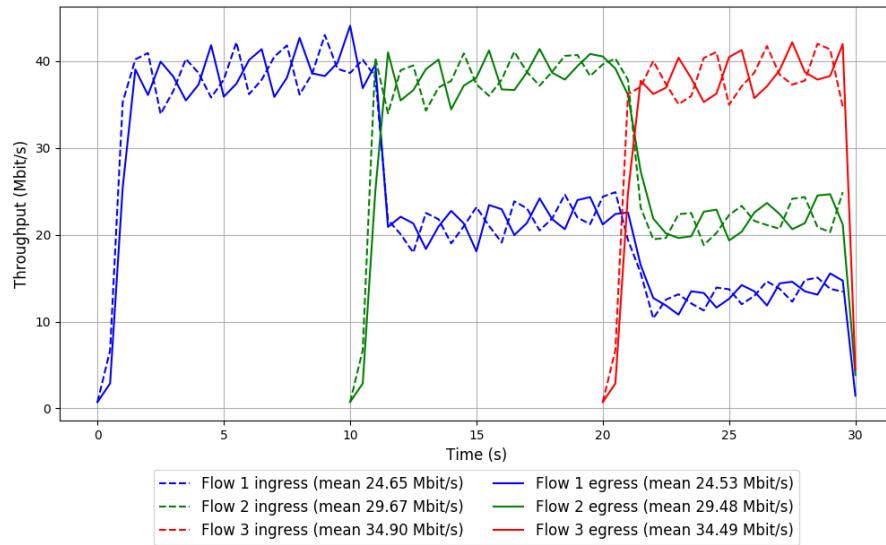


Run 2: Statistics of TCP Vegas

```
Start at: 2018-04-24 21:26:32
End at: 2018-04-24 21:27:02
Local clock offset: -4.9 ms
Remote clock offset: 4.741 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 110.010 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 110.655 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 109.824 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 106.291 ms
Loss rate: 1.19%
```

Run 2: Report of TCP Vegas — Data Link

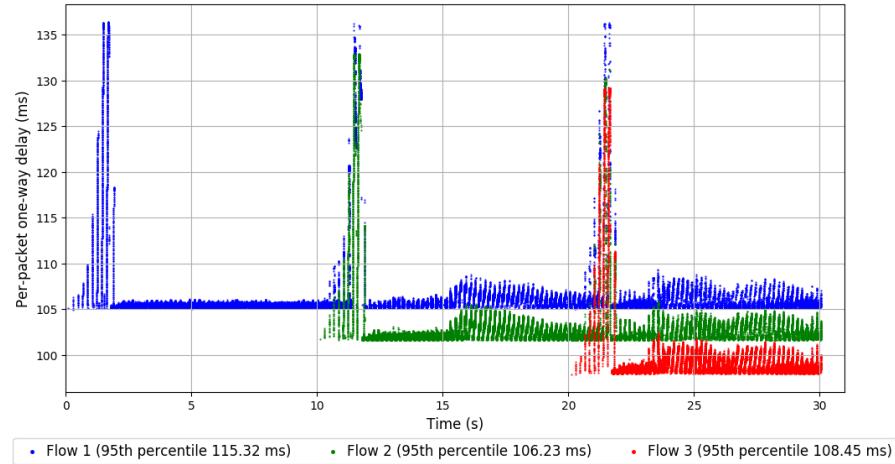
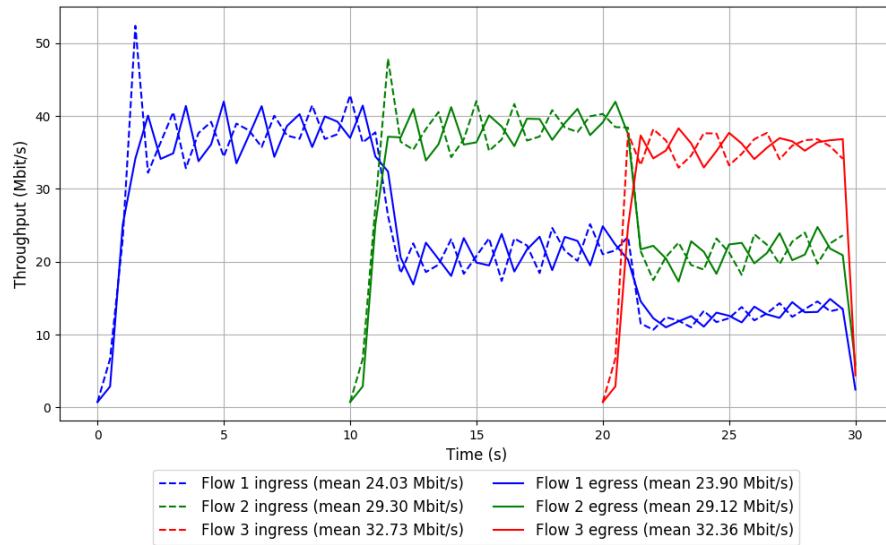


Run 3: Statistics of TCP Vegas

```
Start at: 2018-04-24 21:49:07
End at: 2018-04-24 21:49:37
Local clock offset: -5.645 ms
Remote clock offset: 4.618 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 110.422 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 115.324 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 106.235 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 108.450 ms
Loss rate: 1.13%
```

Run 3: Report of TCP Vegas — Data Link

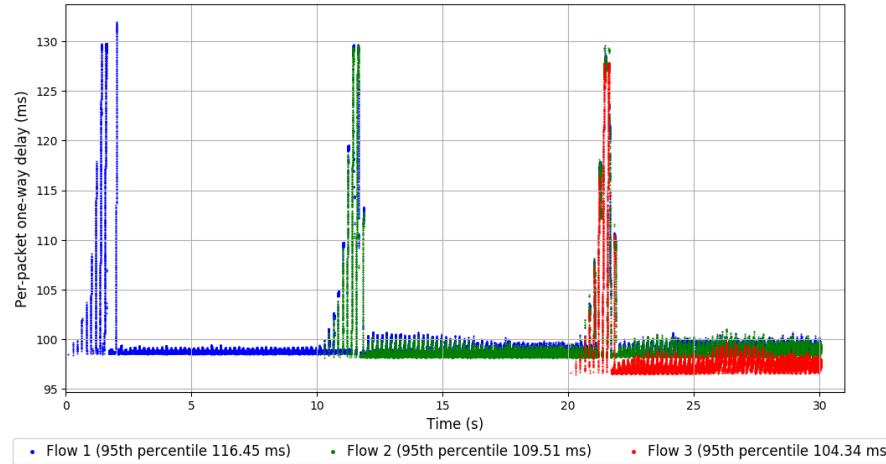
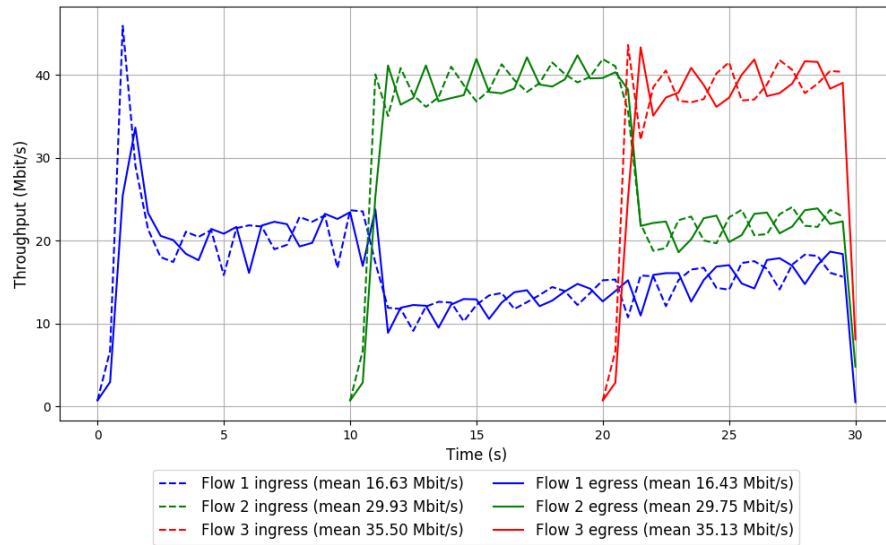


Run 4: Statistics of TCP Vegas

```
Start at: 2018-04-24 22:11:38
End at: 2018-04-24 22:12:08
Local clock offset: -5.826 ms
Remote clock offset: 4.317 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.89 Mbit/s
95th percentile per-packet one-way delay: 110.472 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 116.447 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 109.511 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 104.341 ms
Loss rate: 1.04%
```

Run 4: Report of TCP Vegas — Data Link

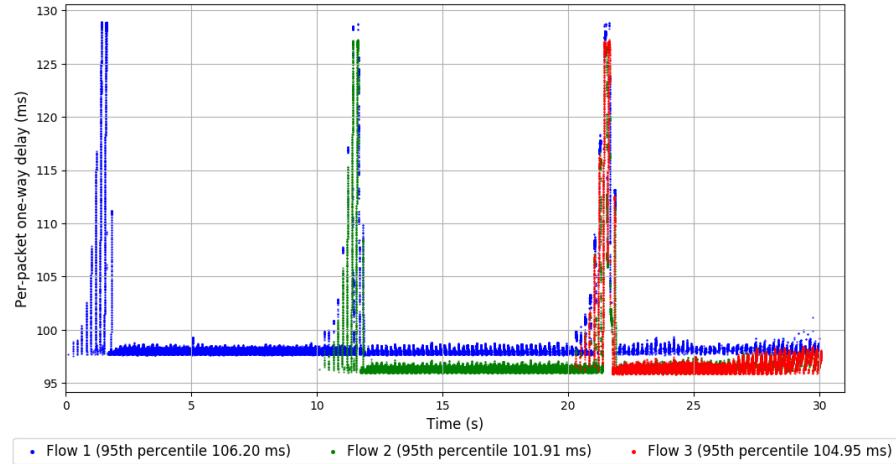
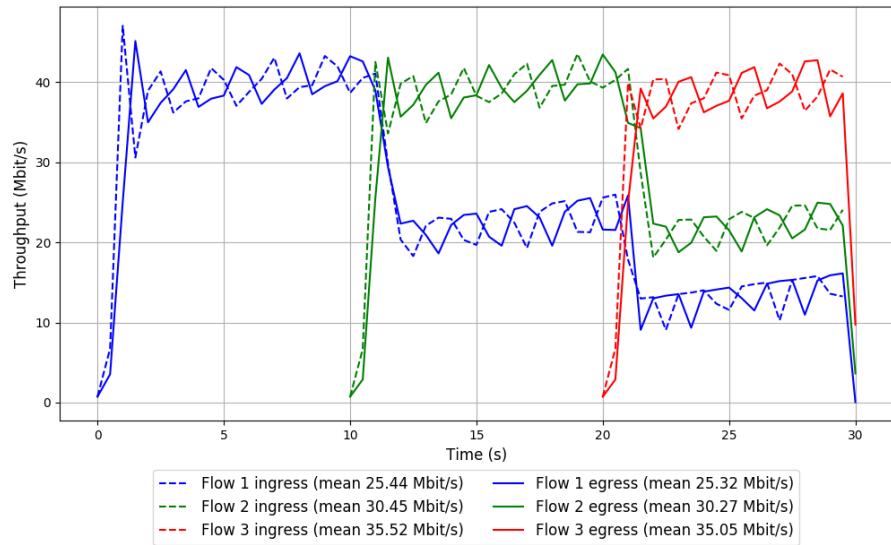


Run 5: Statistics of TCP Vegas

```
Start at: 2018-04-24 22:34:09
End at: 2018-04-24 22:34:39
Local clock offset: -6.234 ms
Remote clock offset: 3.371 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 104.449 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 25.32 Mbit/s
95th percentile per-packet one-way delay: 106.196 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 101.912 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 104.952 ms
Loss rate: 1.33%
```

Run 5: Report of TCP Vegas — Data Link

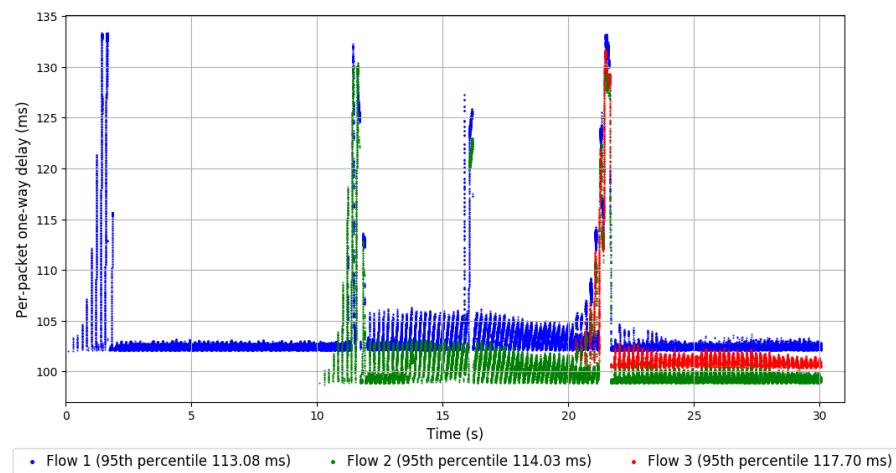
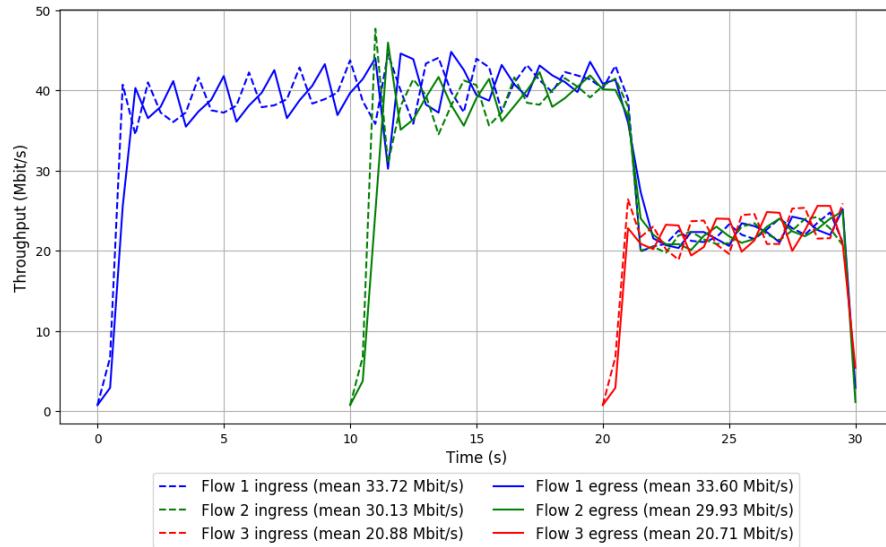


Run 6: Statistics of TCP Vegas

```
Start at: 2018-04-24 22:56:43
End at: 2018-04-24 22:57:13
Local clock offset: -4.448 ms
Remote clock offset: 7.68 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 113.572 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 113.083 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 114.028 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 117.701 ms
Loss rate: 0.83%
```

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

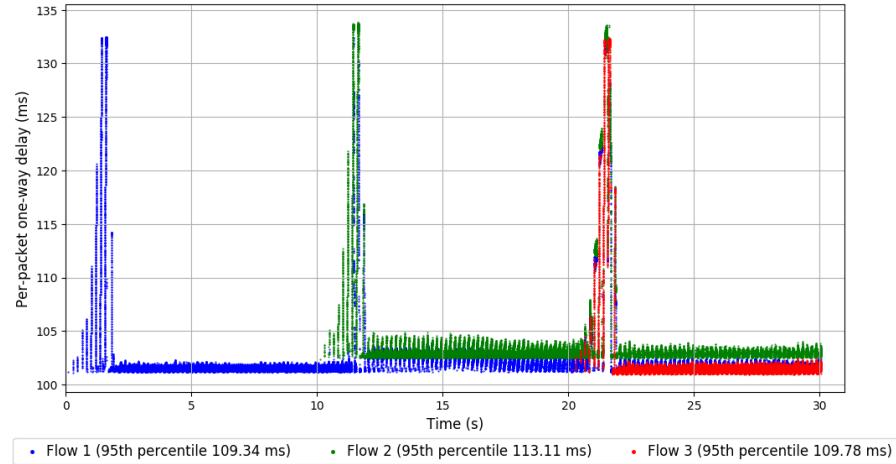
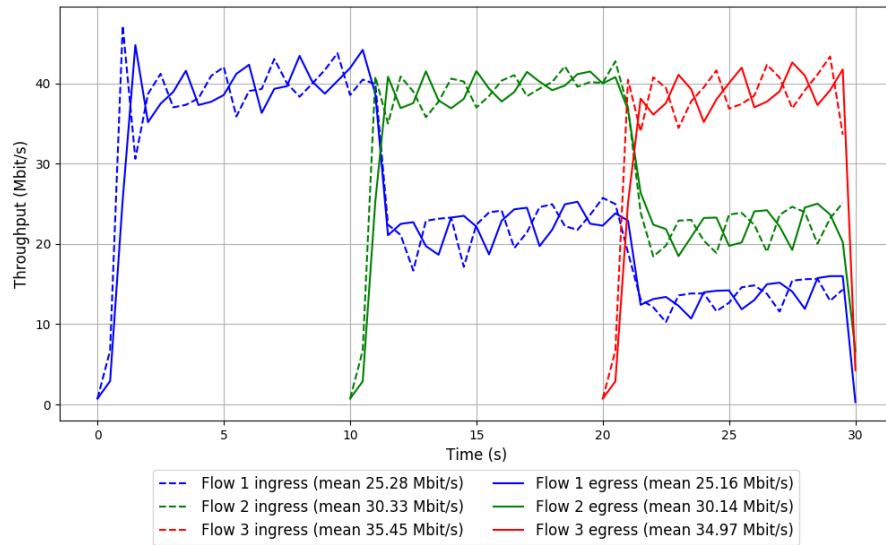


Run 7: Statistics of TCP Vegas

```
Start at: 2018-04-24 23:19:21
End at: 2018-04-24 23:19:51
Local clock offset: -5.795 ms
Remote clock offset: 6.317 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 111.482 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 109.338 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 113.110 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 109.779 ms
Loss rate: 1.35%
```

Run 7: Report of TCP Vegas — Data Link

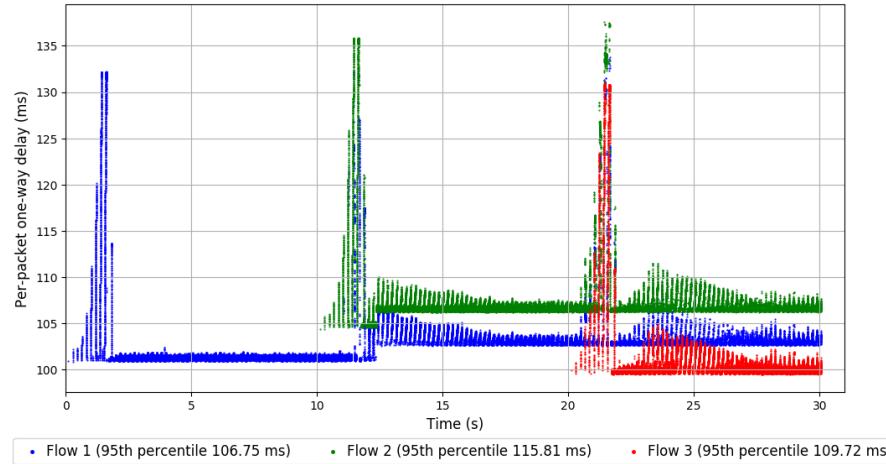
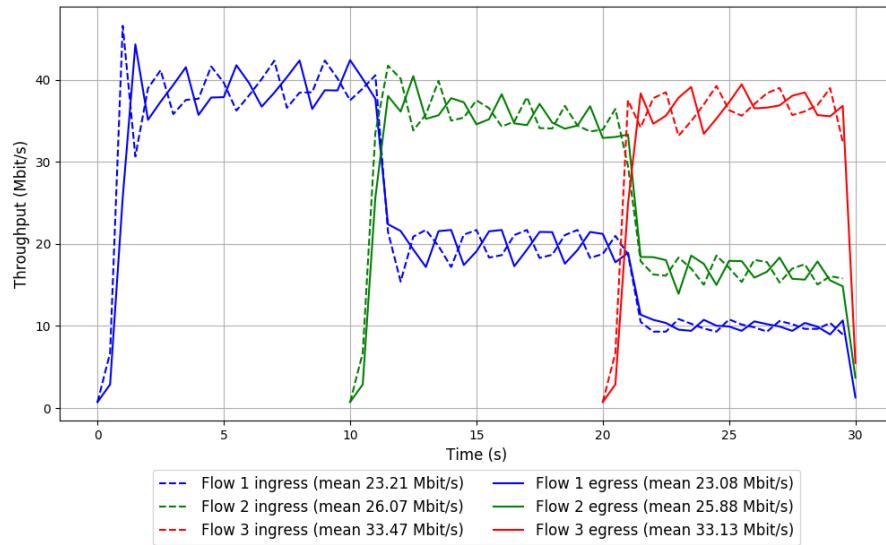


Run 8: Statistics of TCP Vegas

```
Start at: 2018-04-24 23:41:37
End at: 2018-04-24 23:42:07
Local clock offset: -4.971 ms
Remote clock offset: 6.834 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 110.981 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 106.755 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 115.812 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 109.721 ms
Loss rate: 1.02%
```

Run 8: Report of TCP Vegas — Data Link

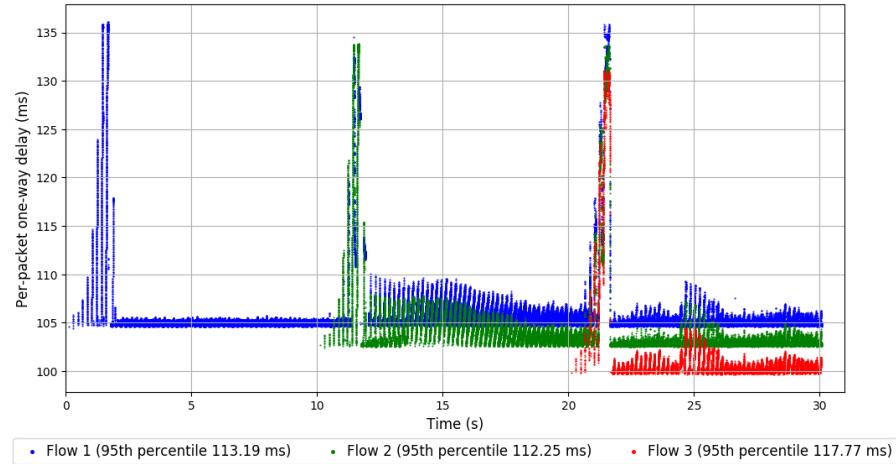
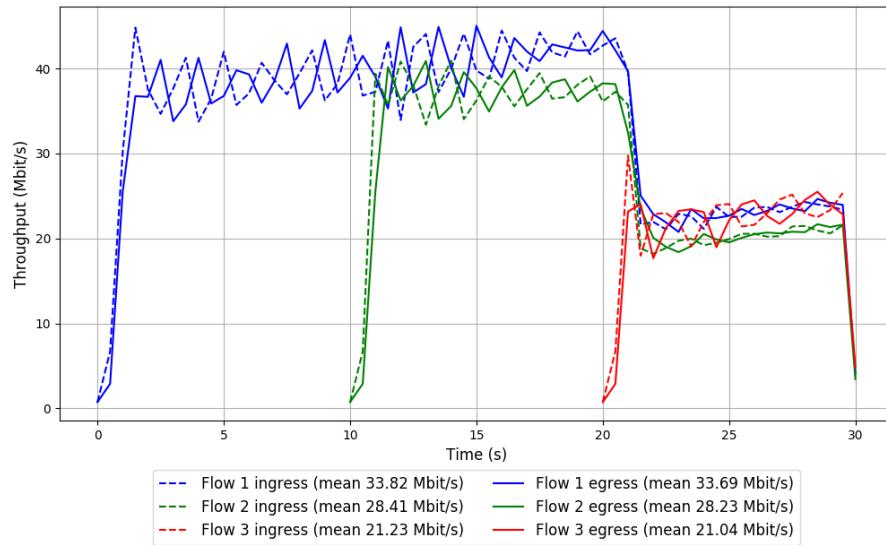


Run 9: Statistics of TCP Vegas

```
Start at: 2018-04-25 00:04:11
End at: 2018-04-25 00:04:41
Local clock offset: -4.977 ms
Remote clock offset: 6.646 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.47 Mbit/s
95th percentile per-packet one-way delay: 113.091 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 113.193 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 112.252 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 21.04 Mbit/s
95th percentile per-packet one-way delay: 117.768 ms
Loss rate: 0.88%
```

Run 9: Report of TCP Vegas — Data Link

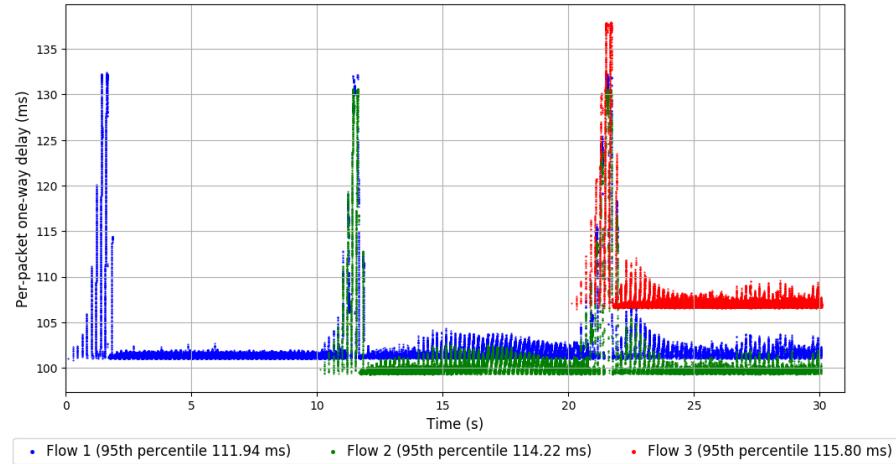
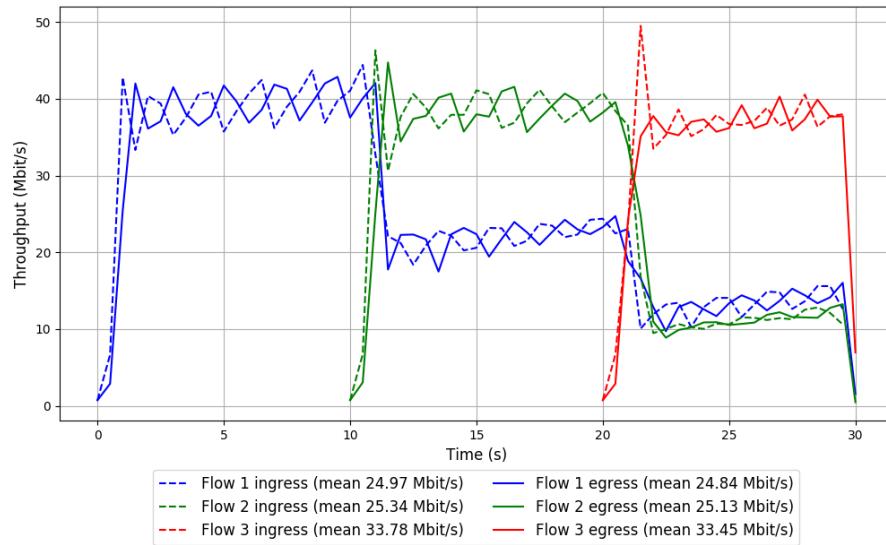


Run 10: Statistics of TCP Vegas

```
Start at: 2018-04-25 00:26:29
End at: 2018-04-25 00:26:59
Local clock offset: -4.886 ms
Remote clock offset: 7.105 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 113.606 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 111.945 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 114.221 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 115.804 ms
Loss rate: 1.04%
```

Run 10: Report of TCP Vegas — Data Link

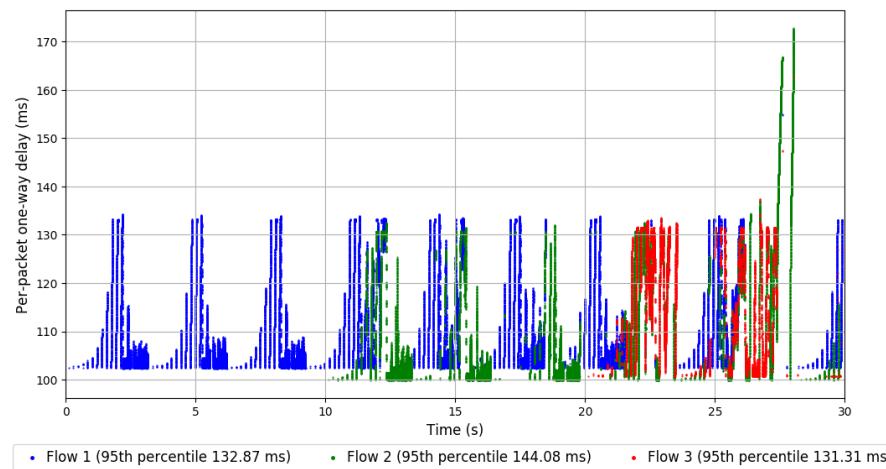
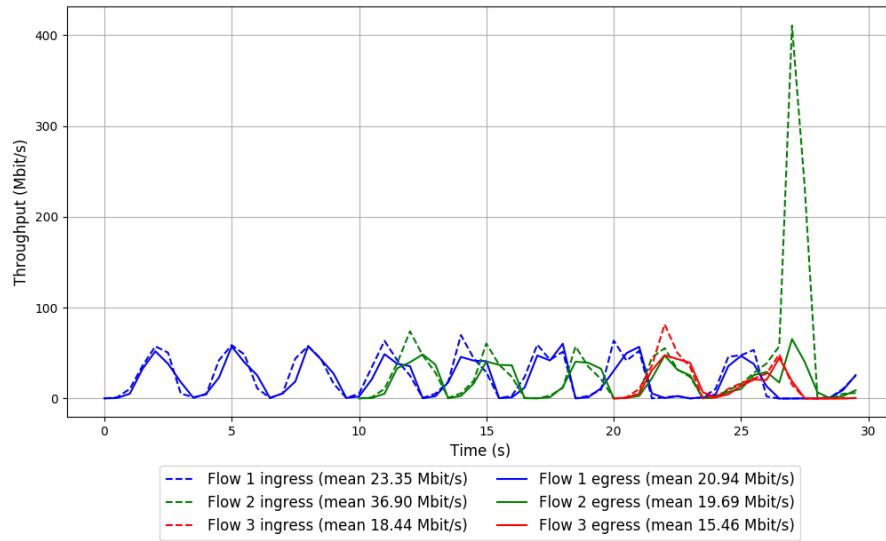


Run 1: Statistics of Verus

```
Start at: 2018-04-24 20:50:37
End at: 2018-04-24 20:51:07
Local clock offset: -4.8 ms
Remote clock offset: 9.036 ms

# Below is generated by plot.py at 2018-04-25 01:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 132.916 ms
Loss rate: 27.38%
-- Flow 1:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 132.873 ms
Loss rate: 10.23%
-- Flow 2:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 144.082 ms
Loss rate: 46.60%
-- Flow 3:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 131.313 ms
Loss rate: 16.13%
```

Run 1: Report of Verus — Data Link

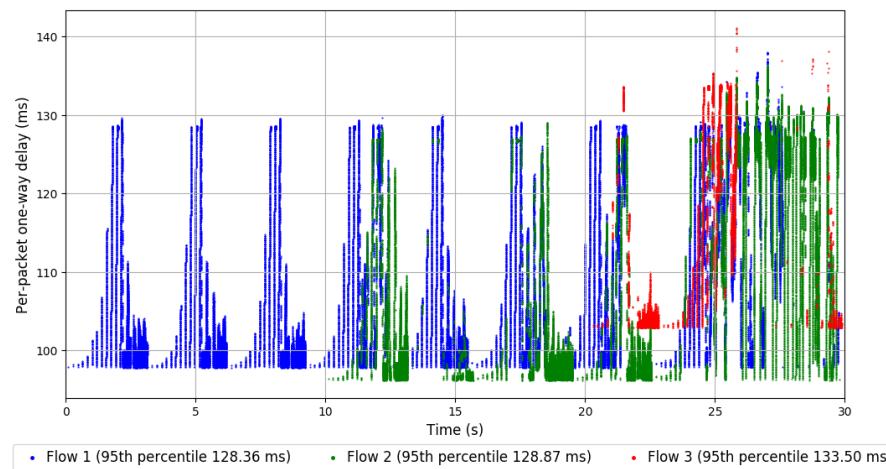
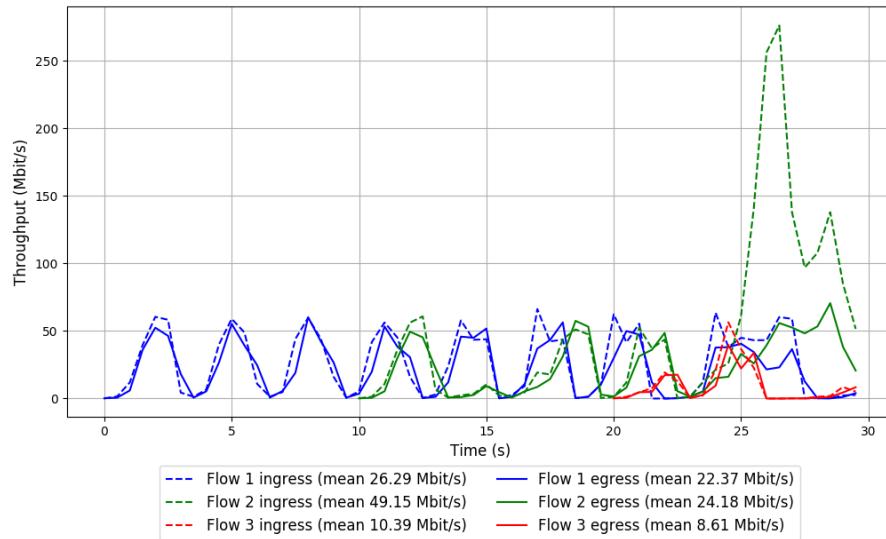


Run 2: Statistics of Verus

```
Start at: 2018-04-24 21:13:13
End at: 2018-04-24 21:13:43
Local clock offset: -4.191 ms
Remote clock offset: 3.877 ms

# Below is generated by plot.py at 2018-04-25 01:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 128.484 ms
Loss rate: 33.82%
-- Flow 1:
Average throughput: 22.37 Mbit/s
95th percentile per-packet one-way delay: 128.361 ms
Loss rate: 14.88%
-- Flow 2:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 128.869 ms
Loss rate: 50.81%
-- Flow 3:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 133.502 ms
Loss rate: 17.18%
```

## Run 2: Report of Verus — Data Link

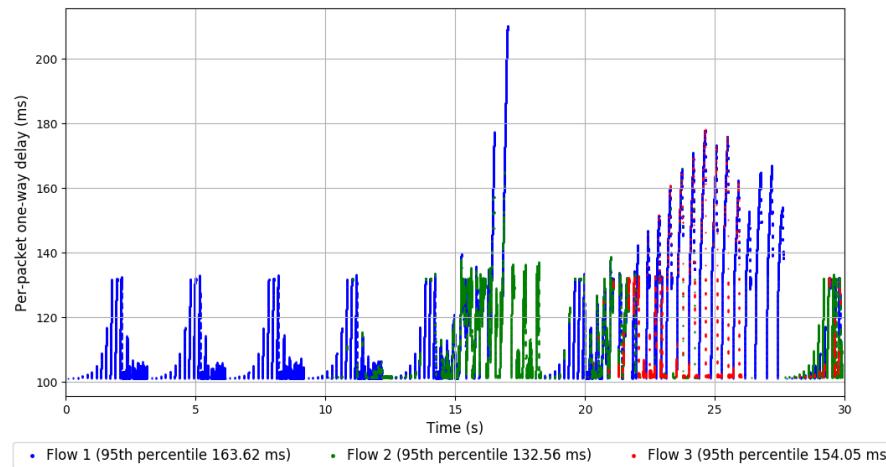
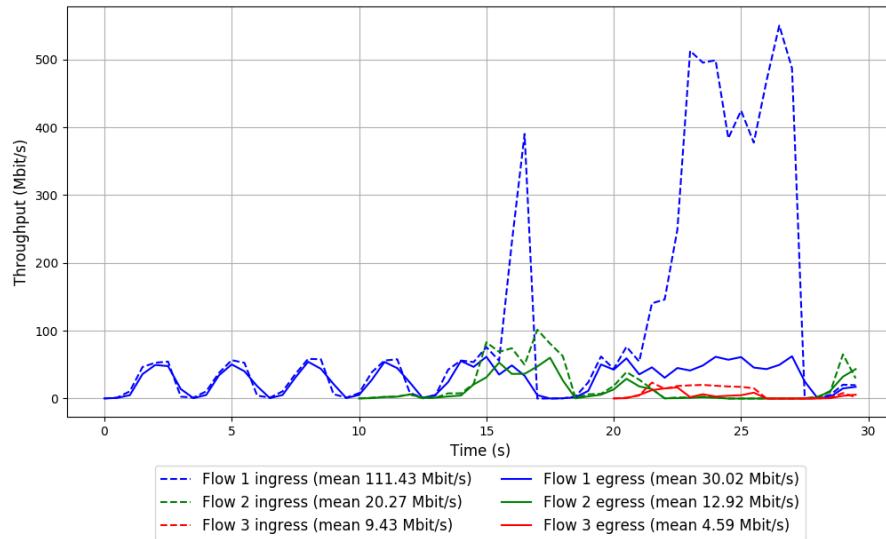


Run 3: Statistics of Verus

```
Start at: 2018-04-24 21:35:47
End at: 2018-04-24 21:36:17
Local clock offset: -4.886 ms
Remote clock offset: 8.423 ms

# Below is generated by plot.py at 2018-04-25 01:05:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 161.091 ms
Loss rate: 68.65%
-- Flow 1:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 163.619 ms
Loss rate: 73.06%
-- Flow 2:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 132.562 ms
Loss rate: 36.25%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 154.048 ms
Loss rate: 51.17%
```

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

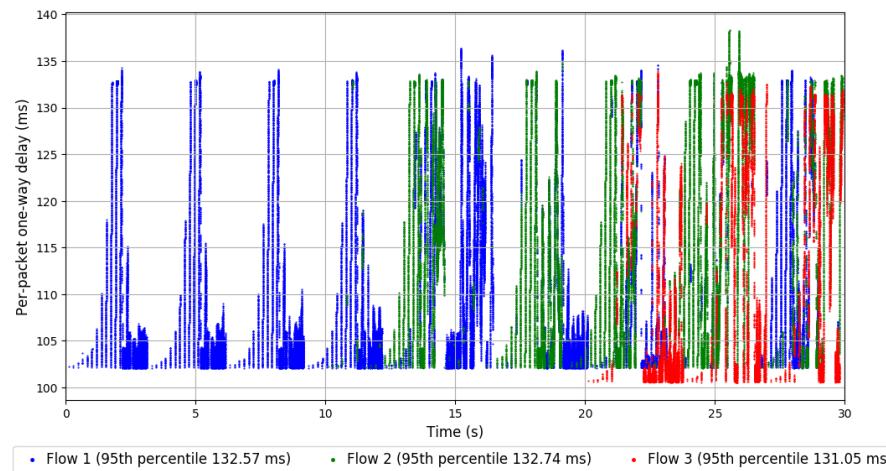
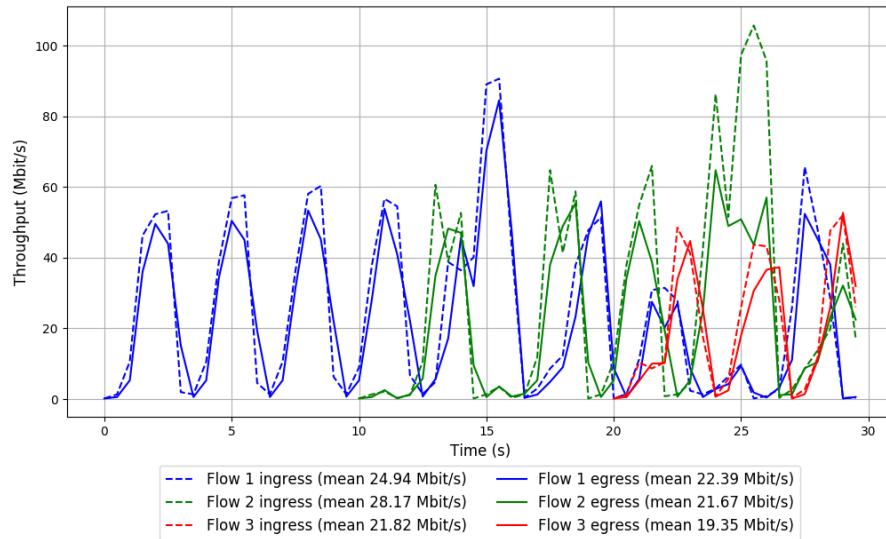


Run 4: Statistics of Verus

```
Start at: 2018-04-24 21:58:18
End at: 2018-04-24 21:58:48
Local clock offset: -5.676 ms
Remote clock offset: 8.206 ms

# Below is generated by plot.py at 2018-04-25 01:05:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 132.630 ms
Loss rate: 15.04%
-- Flow 1:
Average throughput: 22.39 Mbit/s
95th percentile per-packet one-way delay: 132.573 ms
Loss rate: 10.21%
-- Flow 2:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 132.744 ms
Loss rate: 22.97%
-- Flow 3:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 131.049 ms
Loss rate: 11.04%
```

Run 4: Report of Verus — Data Link

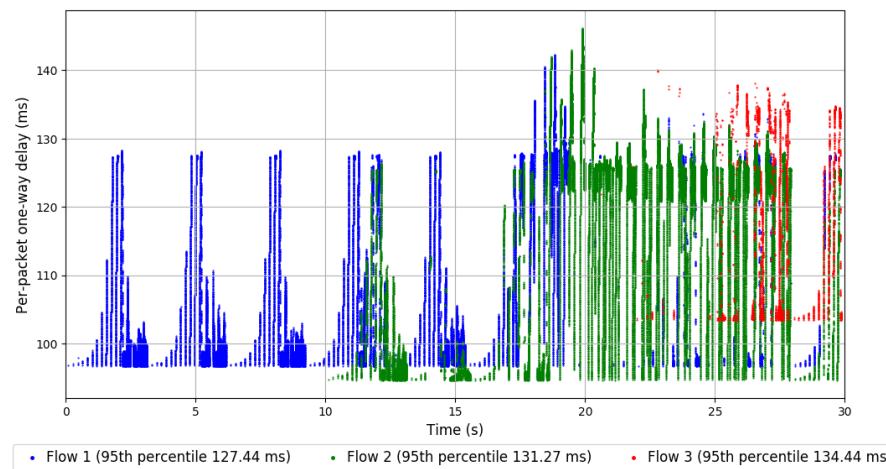
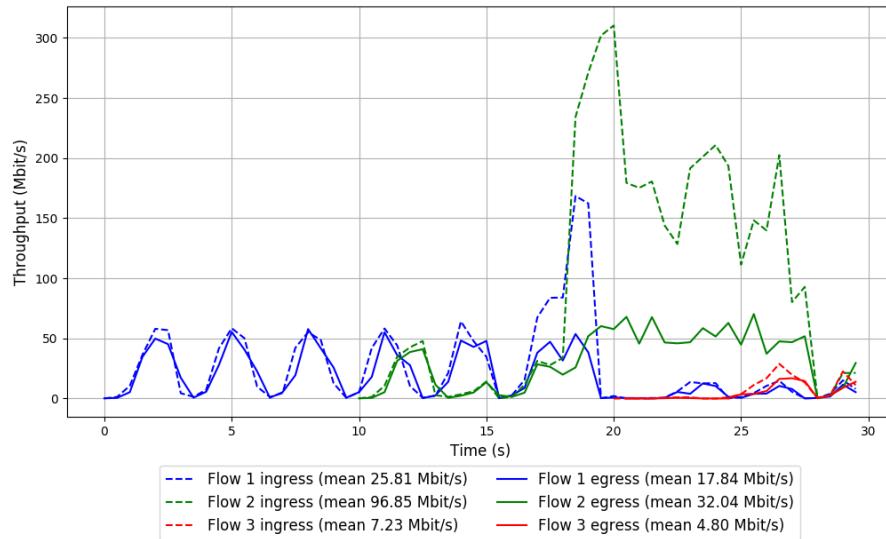


Run 5: Statistics of Verus

```
Start at: 2018-04-24 22:20:51
End at: 2018-04-24 22:21:21
Local clock offset: -5.36 ms
Remote clock offset: 3.364 ms

# Below is generated by plot.py at 2018-04-25 01:05:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 130.254 ms
Loss rate: 55.98%
-- Flow 1:
Average throughput: 17.84 Mbit/s
95th percentile per-packet one-way delay: 127.445 ms
Loss rate: 30.81%
-- Flow 2:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 131.273 ms
Loss rate: 66.86%
-- Flow 3:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 134.444 ms
Loss rate: 33.78%
```

## Run 5: Report of Verus — Data Link

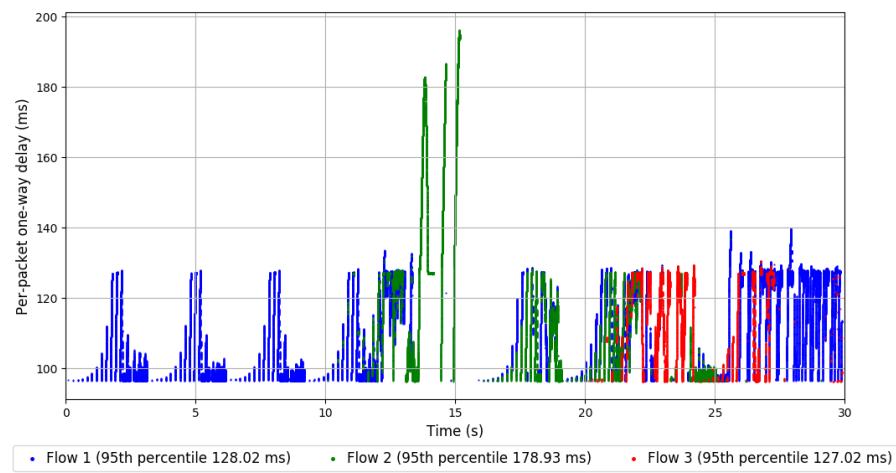
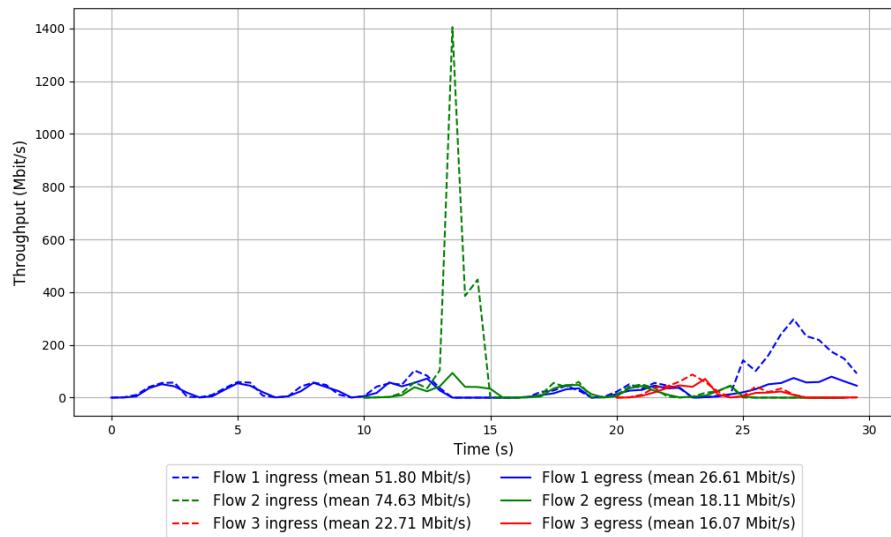


Run 6: Statistics of Verus

```
Start at: 2018-04-24 22:43:22
End at: 2018-04-24 22:43:52
Local clock offset: -4.669 ms
Remote clock offset: 4.036 ms

# Below is generated by plot.py at 2018-04-25 01:05:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.44 Mbit/s
95th percentile per-packet one-way delay: 134.943 ms
Loss rate: 59.51%
-- Flow 1:
Average throughput: 26.61 Mbit/s
95th percentile per-packet one-way delay: 128.024 ms
Loss rate: 48.60%
-- Flow 2:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 178.930 ms
Loss rate: 75.96%
-- Flow 3:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 127.024 ms
Loss rate: 29.22%
```

## Run 6: Report of Verus — Data Link

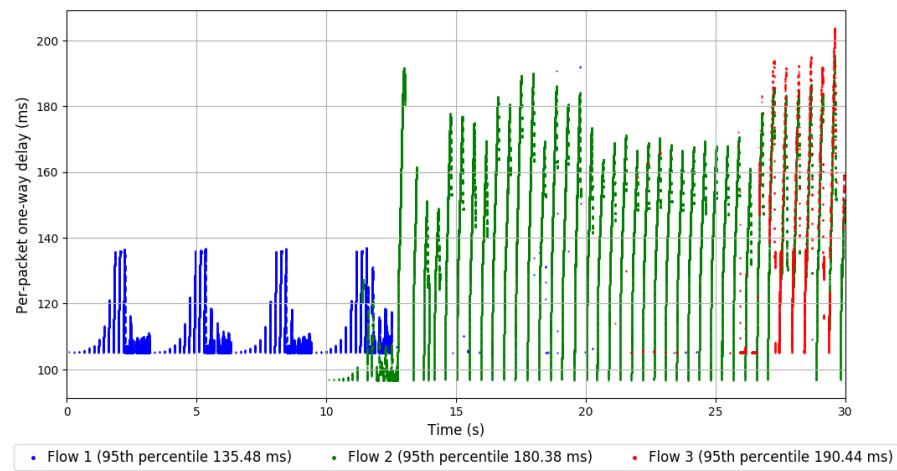
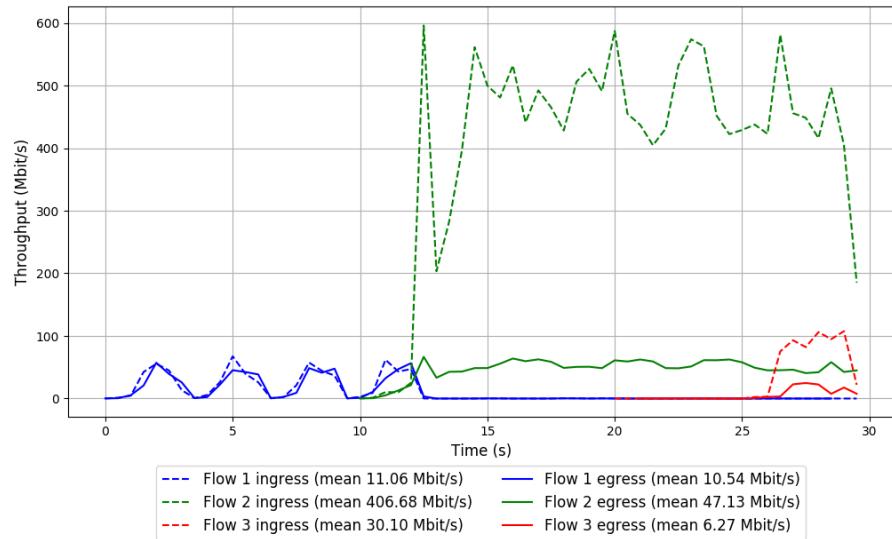


Run 7: Statistics of Verus

```
Start at: 2018-04-24 23:05:54
End at: 2018-04-24 23:06:24
Local clock offset: -5.959 ms
Remote clock offset: 3.672 ms

# Below is generated by plot.py at 2018-04-25 01:06:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 178.743 ms
Loss rate: 85.10%
-- Flow 1:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 135.482 ms
Loss rate: 8.35%
-- Flow 2:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 180.376 ms
Loss rate: 88.38%
-- Flow 3:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 190.441 ms
Loss rate: 81.21%
```

## Run 7: Report of Verus — Data Link

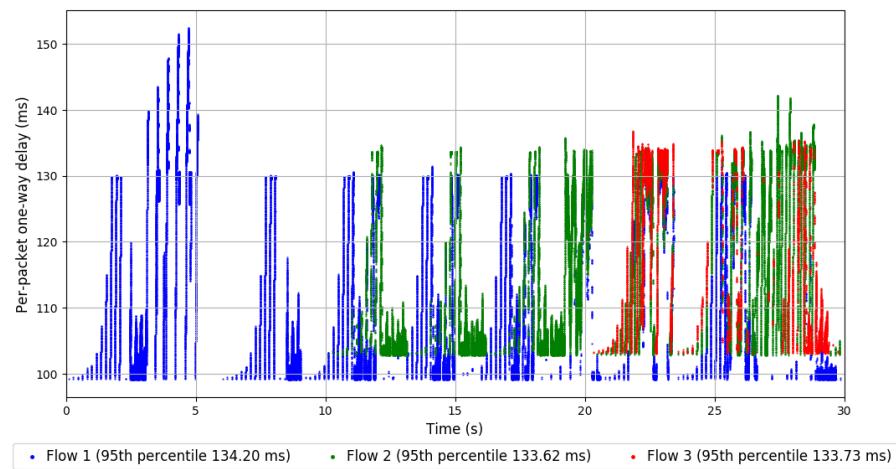
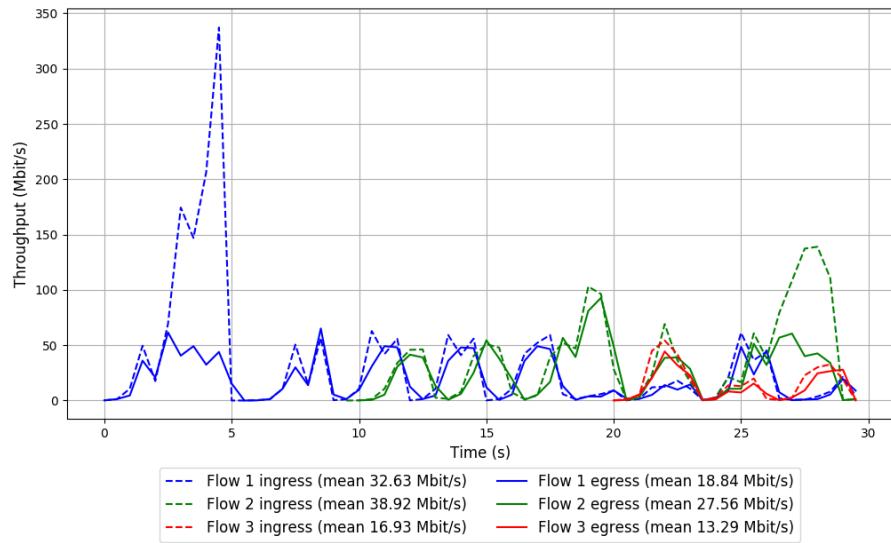


Run 8: Statistics of Verus

```
Start at: 2018-04-24 23:28:33
End at: 2018-04-24 23:29:03
Local clock offset: -5.766 ms
Remote clock offset: 6.123 ms

# Below is generated by plot.py at 2018-04-25 01:06:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 133.694 ms
Loss rate: 35.21%
-- Flow 1:
Average throughput: 18.84 Mbit/s
95th percentile per-packet one-way delay: 134.202 ms
Loss rate: 42.25%
-- Flow 2:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 133.616 ms
Loss rate: 29.18%
-- Flow 3:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 133.728 ms
Loss rate: 21.63%
```

Run 8: Report of Verus — Data Link

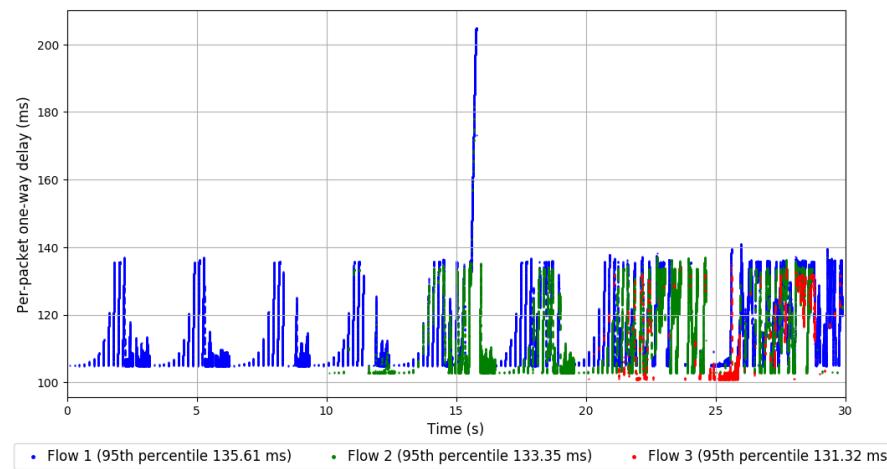
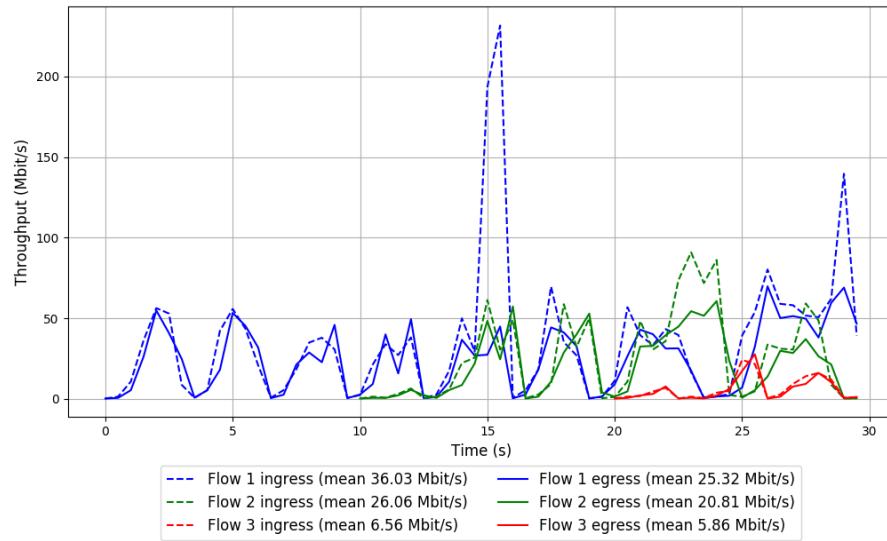


Run 9: Statistics of Verus

```
Start at: 2018-04-24 23:50:47
End at: 2018-04-24 23:51:17
Local clock offset: -4.966 ms
Remote clock offset: 6.766 ms

# Below is generated by plot.py at 2018-04-25 01:06:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 135.345 ms
Loss rate: 25.94%
-- Flow 1:
Average throughput: 25.32 Mbit/s
95th percentile per-packet one-way delay: 135.606 ms
Loss rate: 29.68%
-- Flow 2:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 133.347 ms
Loss rate: 20.06%
-- Flow 3:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 131.319 ms
Loss rate: 10.34%
```

## Run 9: Report of Verus — Data Link

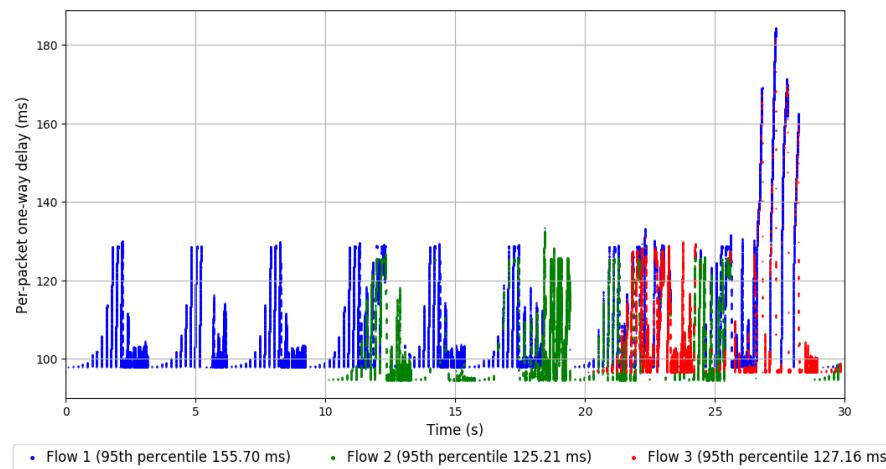
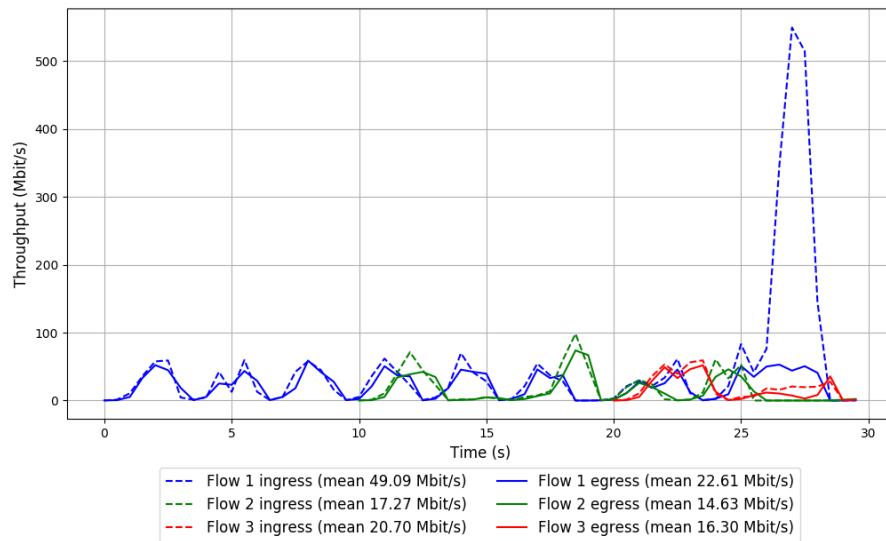


Run 10: Statistics of Verus

```
Start at: 2018-04-25 00:13:24
End at: 2018-04-25 00:13:54
Local clock offset: -5.011 ms
Remote clock offset: 2.151 ms

# Below is generated by plot.py at 2018-04-25 01:06:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 141.574 ms
Loss rate: 44.07%
-- Flow 1:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 155.701 ms
Loss rate: 53.94%
-- Flow 2:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 125.211 ms
Loss rate: 15.28%
-- Flow 3:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 127.157 ms
Loss rate: 21.25%
```

## Run 10: Report of Verus — Data Link

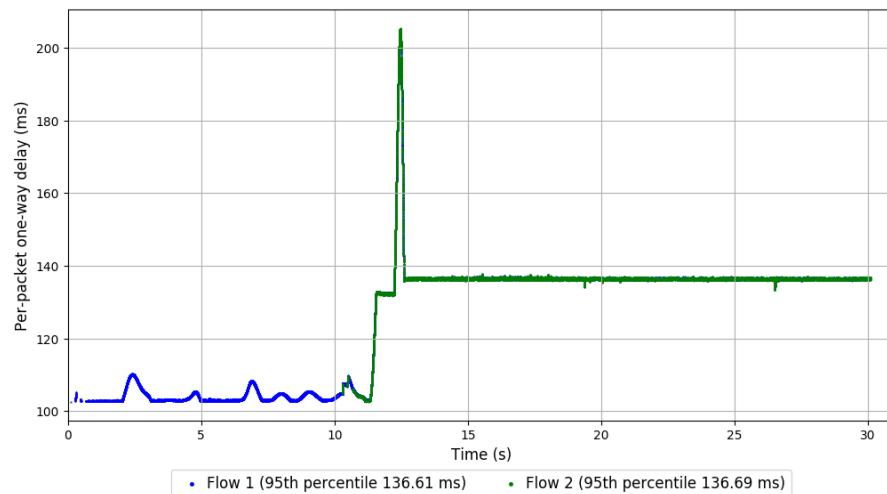
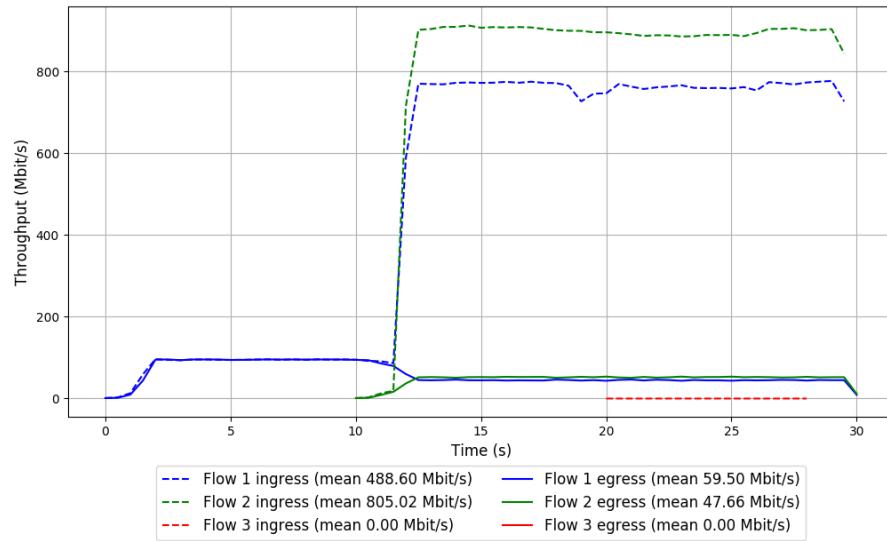


Run 1: Statistics of Copa

```
Start at: 2018-04-24 21:02:17
End at: 2018-04-24 21:02:47
Local clock offset: -5.542 ms
Remote clock offset: 3.869 ms

# Below is generated by plot.py at 2018-04-25 01:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 136.644 ms
Loss rate: 91.08%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 136.614 ms
Loss rate: 87.81%
-- Flow 2:
Average throughput: 47.66 Mbit/s
95th percentile per-packet one-way delay: 136.690 ms
Loss rate: 94.07%
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

## Run 1: Report of Copa — Data Link

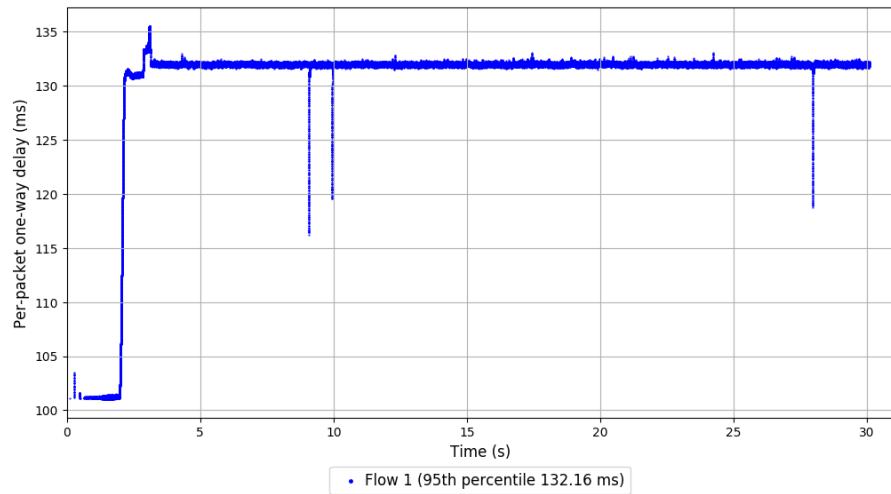
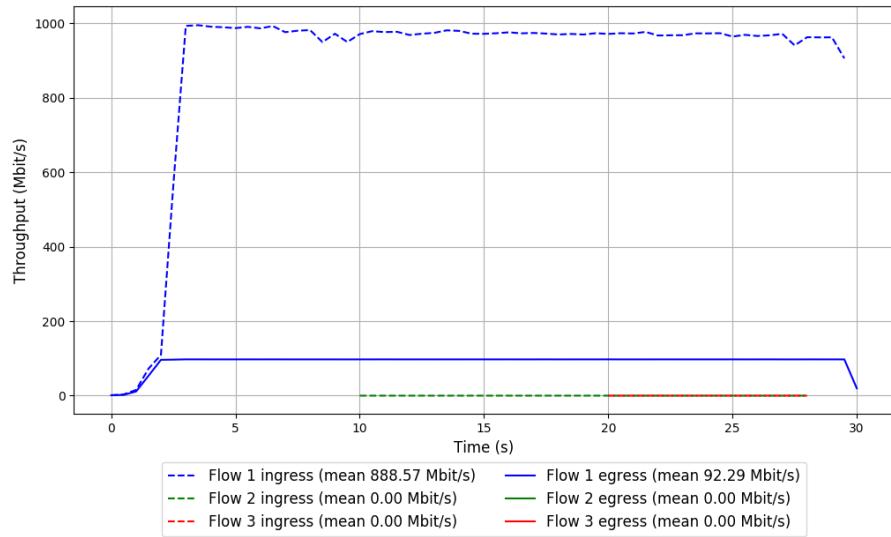


Run 2: Statistics of Copa

```
Start at: 2018-04-24 21:24:53
End at: 2018-04-24 21:25:23
Local clock offset: -4.96 ms
Remote clock offset: 8.409 ms

# Below is generated by plot.py at 2018-04-25 01:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 132.158 ms
Loss rate: 89.60%
-- Flow 1:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 132.158 ms
Loss rate: 89.60%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

## Run 2: Report of Copa — Data Link

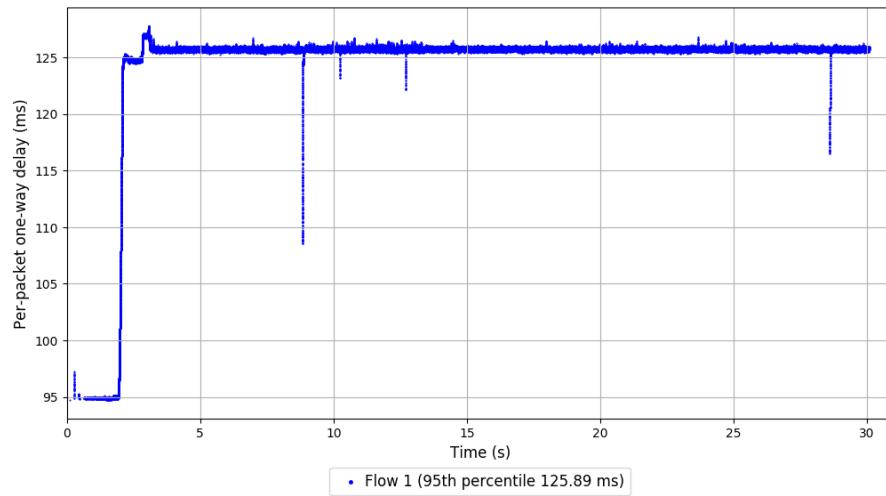
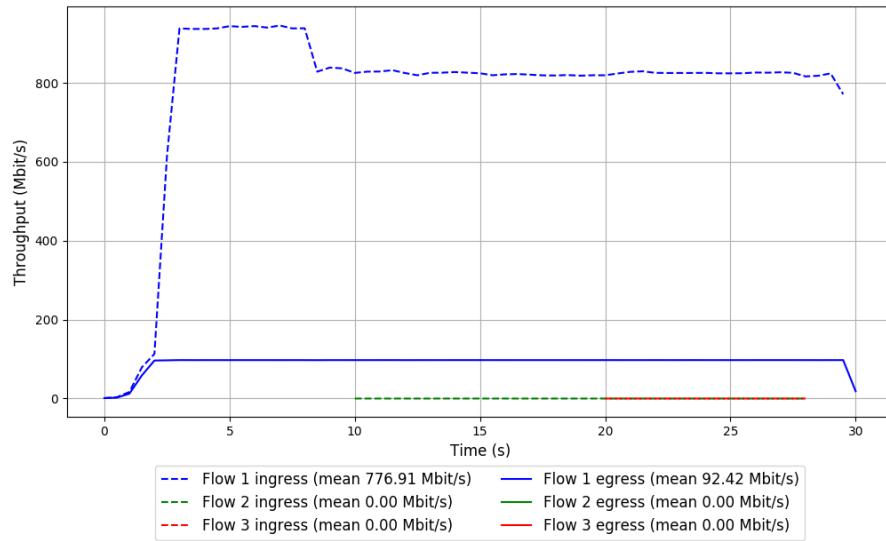


Run 3: Statistics of Copa

```
Start at: 2018-04-24 21:47:30
End at: 2018-04-24 21:48:00
Local clock offset: -4.962 ms
Remote clock offset: 3.759 ms

# Below is generated by plot.py at 2018-04-25 01:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 125.889 ms
Loss rate: 88.09%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 125.889 ms
Loss rate: 88.09%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

### Run 3: Report of Copa — Data Link

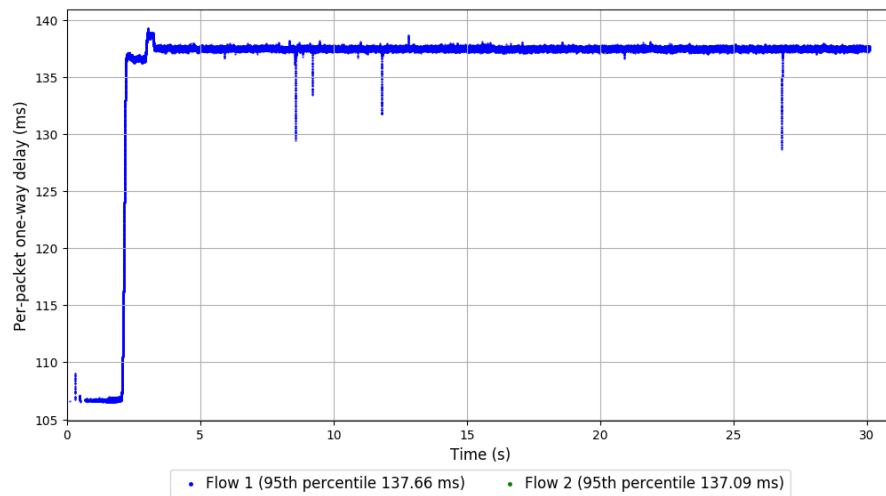
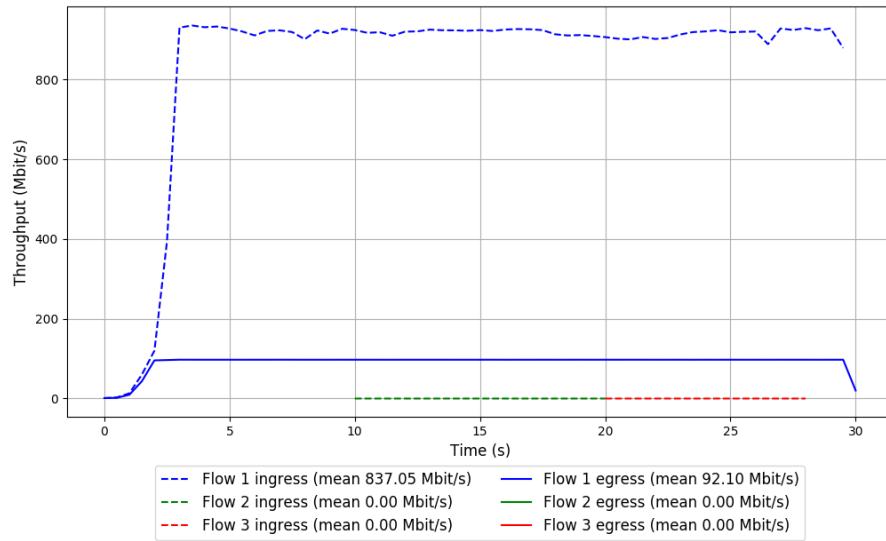


Run 4: Statistics of Copa

```
Start at: 2018-04-24 22:10:00
End at: 2018-04-24 22:10:30
Local clock offset: -4.954 ms
Remote clock offset: 8.101 ms

# Below is generated by plot.py at 2018-04-25 01:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 137.656 ms
Loss rate: 88.99%
-- Flow 1:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 137.656 ms
Loss rate: 88.99%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 137.089 ms
Loss rate: 83.33%
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

Run 4: Report of Copa — Data Link

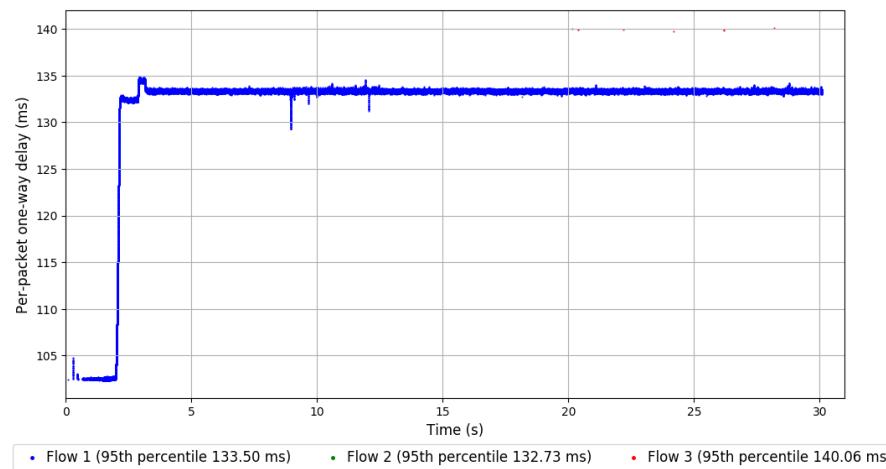
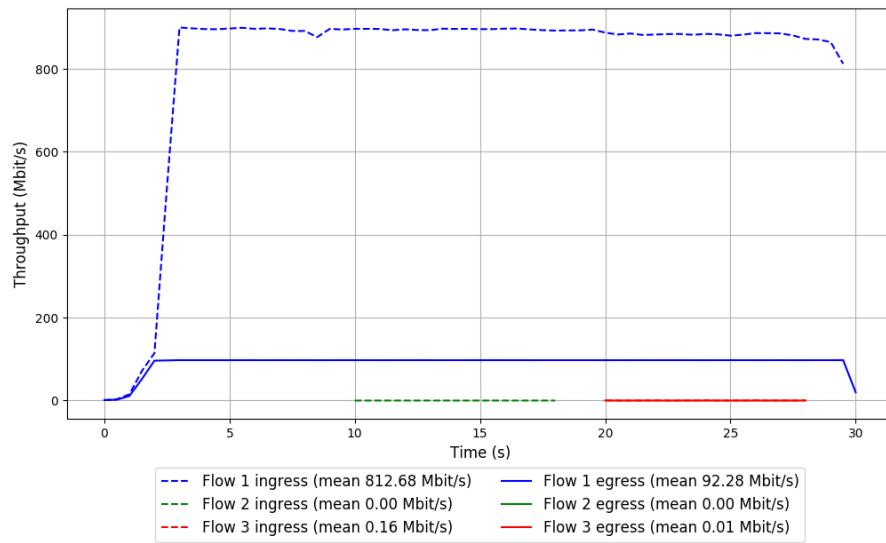


Run 5: Statistics of Copa

```
Start at: 2018-04-24 22:32:32
End at: 2018-04-24 22:33:02
Local clock offset: -5.414 ms
Remote clock offset: 8.756 ms

# Below is generated by plot.py at 2018-04-25 01:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 133.500 ms
Loss rate: 88.63%
-- Flow 1:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 133.500 ms
Loss rate: 88.63%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 132.734 ms
Loss rate: 80.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 140.063 ms
Loss rate: 94.31%
```

### Run 5: Report of Copa — Data Link

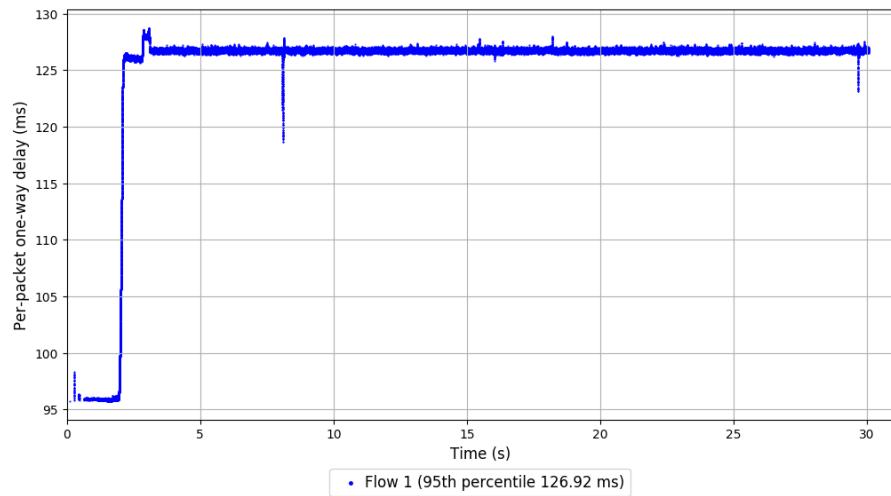
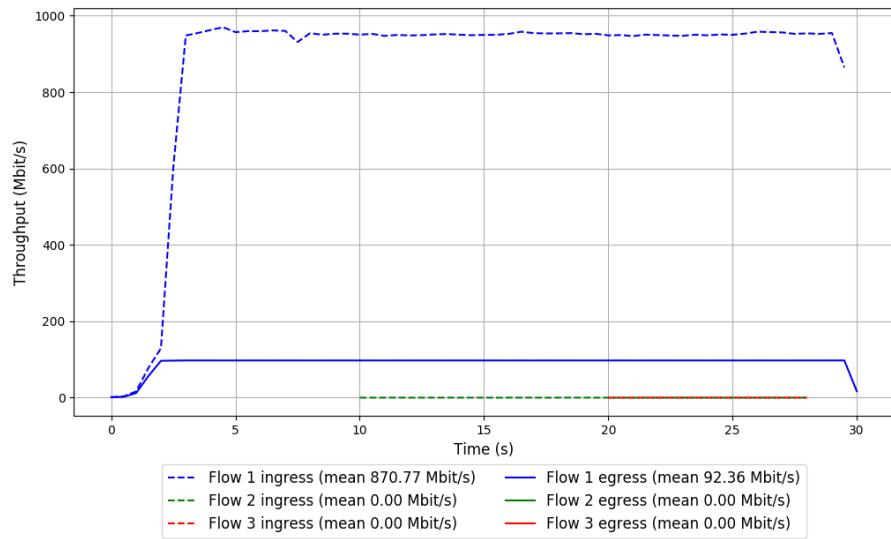


Run 6: Statistics of Copa

```
Start at: 2018-04-24 22:55:04
End at: 2018-04-24 22:55:34
Local clock offset: -4.451 ms
Remote clock offset: 3.115 ms

# Below is generated by plot.py at 2018-04-25 01:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 126.917 ms
Loss rate: 89.38%
-- Flow 1:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 126.917 ms
Loss rate: 89.38%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

## Run 6: Report of Copa — Data Link

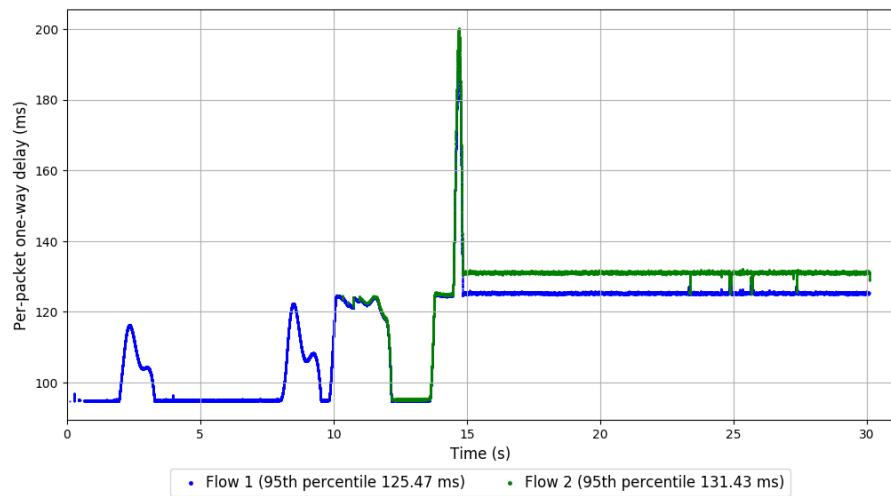
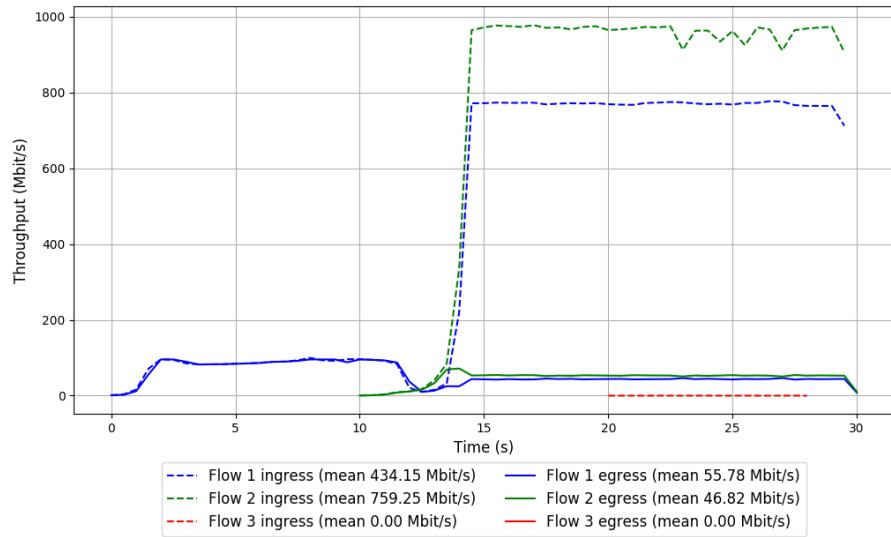


Run 7: Statistics of Copa

```
Start at: 2018-04-24 23:17:38
End at: 2018-04-24 23:18:08
Local clock offset: -5.147 ms
Remote clock offset: 2.52 ms

# Below is generated by plot.py at 2018-04-25 01:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 131.312 ms
Loss rate: 90.74%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 125.470 ms
Loss rate: 87.14%
-- Flow 2:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 131.430 ms
Loss rate: 93.83%
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

## Run 7: Report of Copa — Data Link

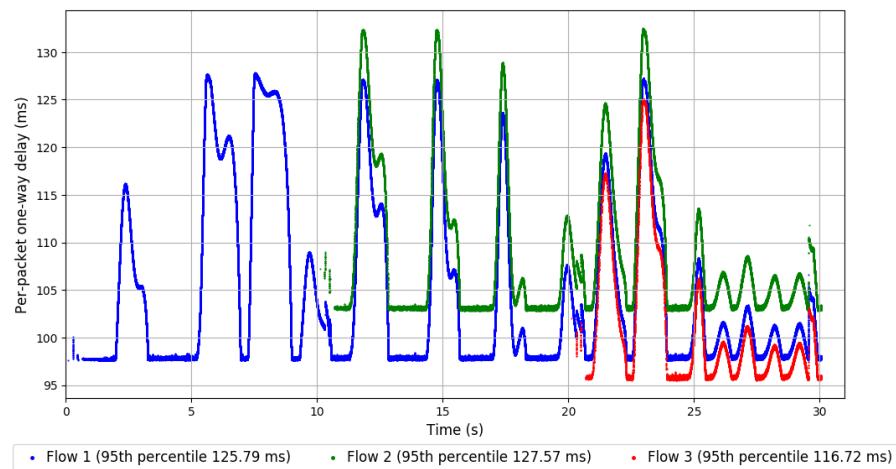
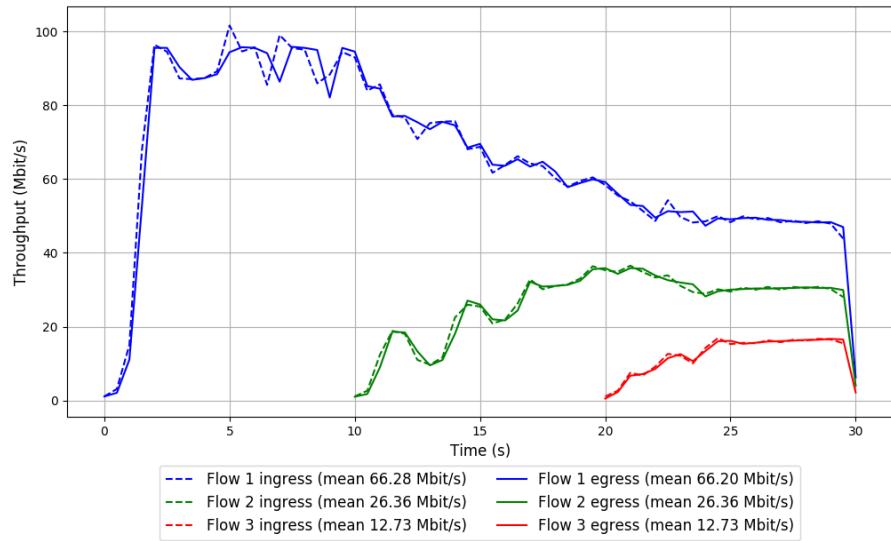


Run 8: Statistics of Copa

```
Start at: 2018-04-24 23:40:13
End at: 2018-04-24 23:40:43
Local clock offset: -4.251 ms
Remote clock offset: 2.329 ms

# Below is generated by plot.py at 2018-04-25 01:13:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 125.794 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 66.20 Mbit/s
95th percentile per-packet one-way delay: 125.793 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 127.570 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 116.725 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link

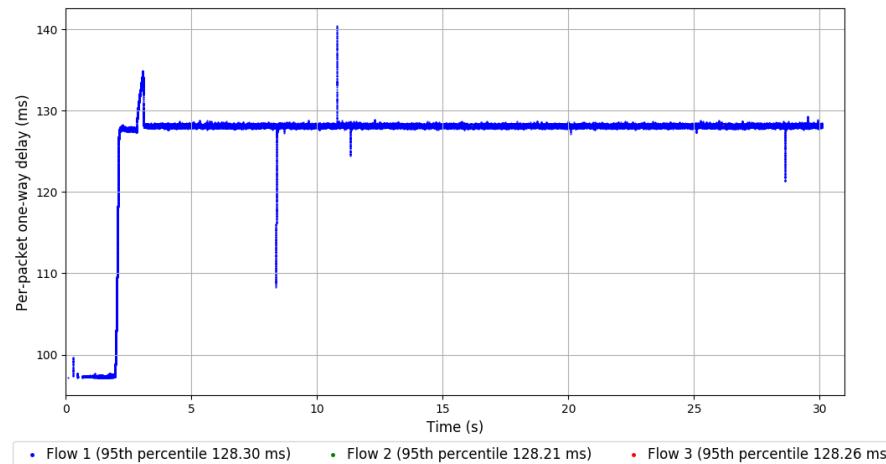
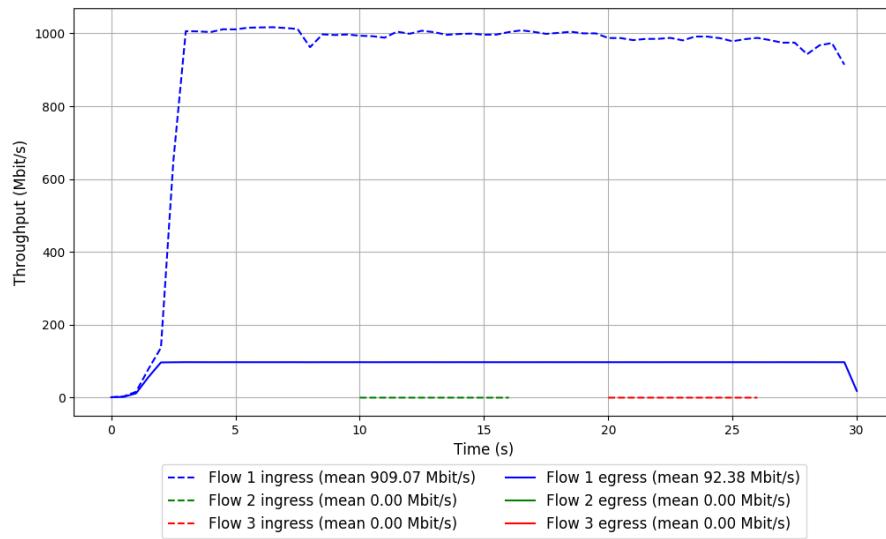


Run 9: Statistics of Copa

```
Start at: 2018-04-25 00:02:31
End at: 2018-04-25 00:03:01
Local clock offset: -5.789 ms
Remote clock offset: 2.035 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 128.296 ms
Loss rate: 89.83%
-- Flow 1:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 128.296 ms
Loss rate: 89.83%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 128.211 ms
Loss rate: 75.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 128.265 ms
Loss rate: 75.00%
```

## Run 9: Report of Copa — Data Link

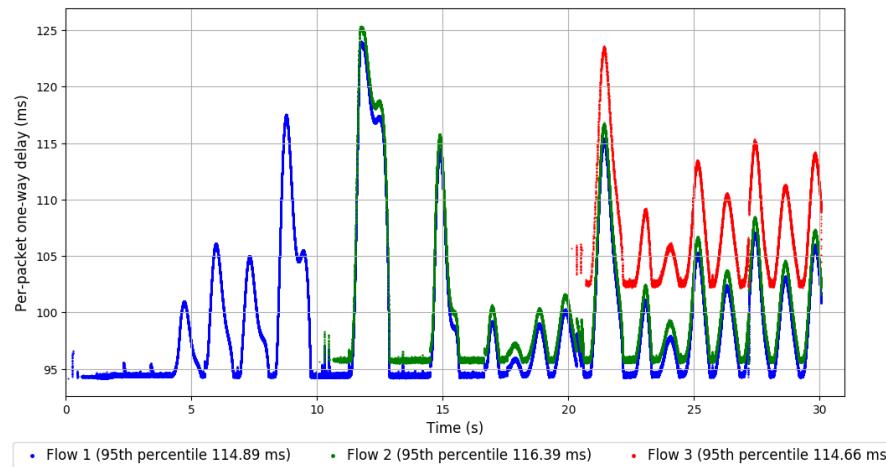
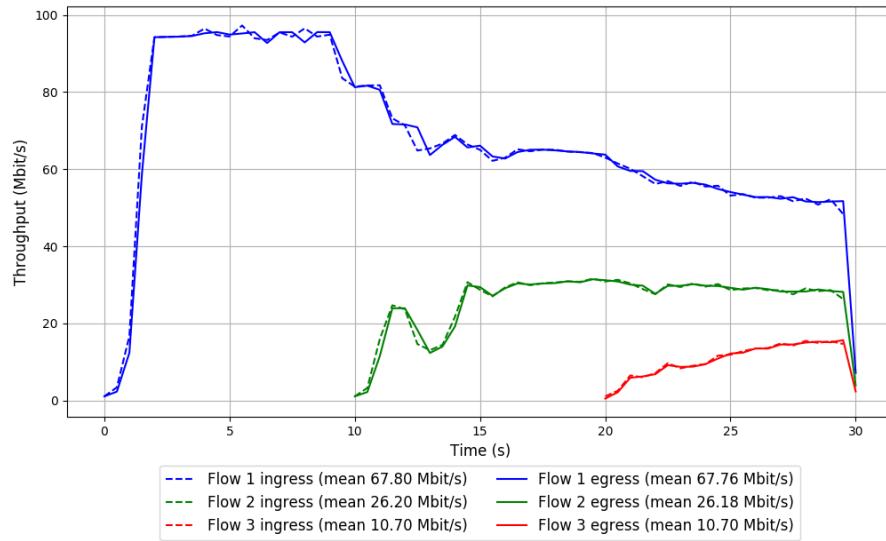


Run 10: Statistics of Copa

```
Start at: 2018-04-25 00:25:05
End at: 2018-04-25 00:25:35
Local clock offset: -4.89 ms
Remote clock offset: 3.308 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 115.181 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.76 Mbit/s
95th percentile per-packet one-way delay: 114.893 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.18 Mbit/s
95th percentile per-packet one-way delay: 116.389 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 10.70 Mbit/s
95th percentile per-packet one-way delay: 114.660 ms
Loss rate: 0.02%
```

Run 10: Report of Copa — Data Link

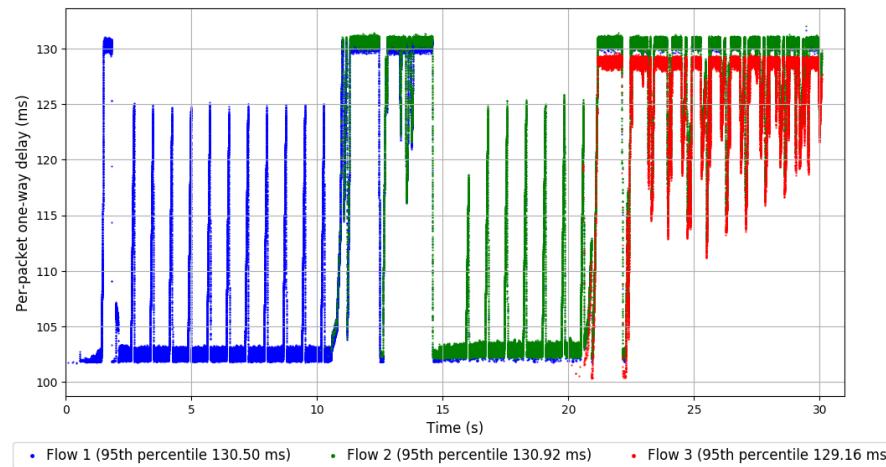
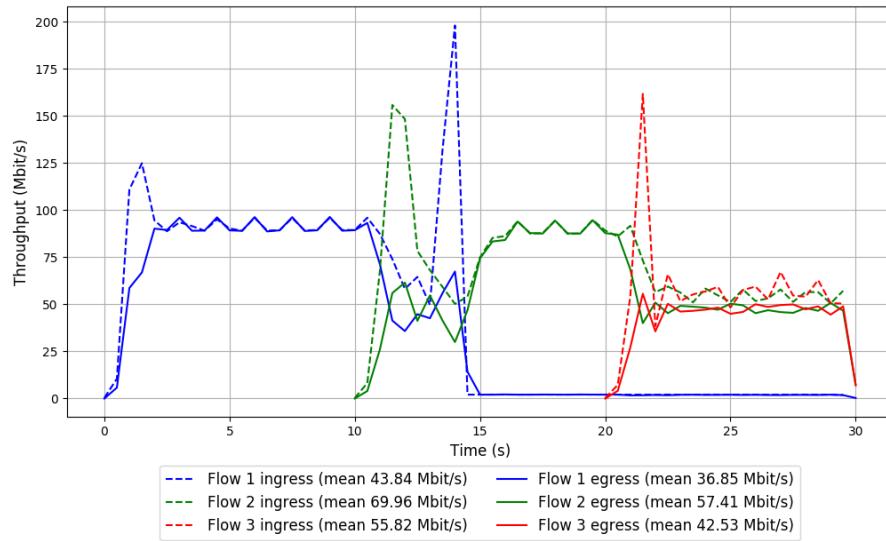


```
Run 1: Statistics of FillP

Start at: 2018-04-24 20:59:36
End at: 2018-04-24 21:00:06
Local clock offset: -4.691 ms
Remote clock offset: 9.26 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 130.795 ms
Loss rate: 18.03%
-- Flow 1:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 130.501 ms
Loss rate: 15.87%
-- Flow 2:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 130.924 ms
Loss rate: 17.84%
-- Flow 3:
Average throughput: 42.53 Mbit/s
95th percentile per-packet one-way delay: 129.159 ms
Loss rate: 23.61%
```

Run 1: Report of FillP — Data Link

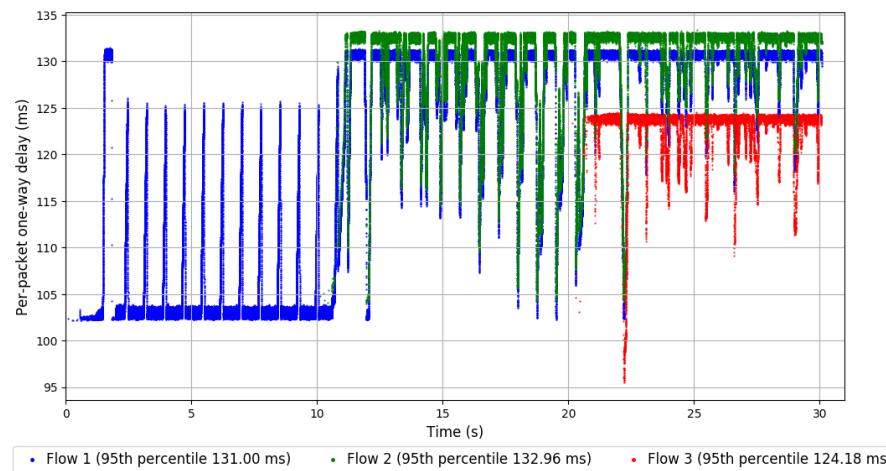
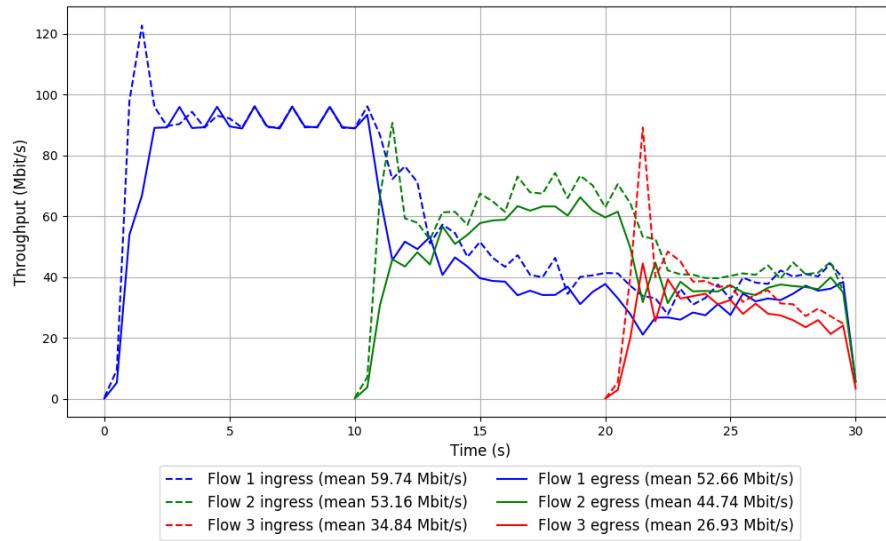


Run 2: Statistics of FillP

```
Start at: 2018-04-24 21:22:12
End at: 2018-04-24 21:22:42
Local clock offset: -4.916 ms
Remote clock offset: 4.695 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 132.819 ms
Loss rate: 14.28%
-- Flow 1:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 130.999 ms
Loss rate: 11.78%
-- Flow 2:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 132.958 ms
Loss rate: 15.75%
-- Flow 3:
Average throughput: 26.93 Mbit/s
95th percentile per-packet one-way delay: 124.178 ms
Loss rate: 22.70%
```

Run 2: Report of FillP — Data Link

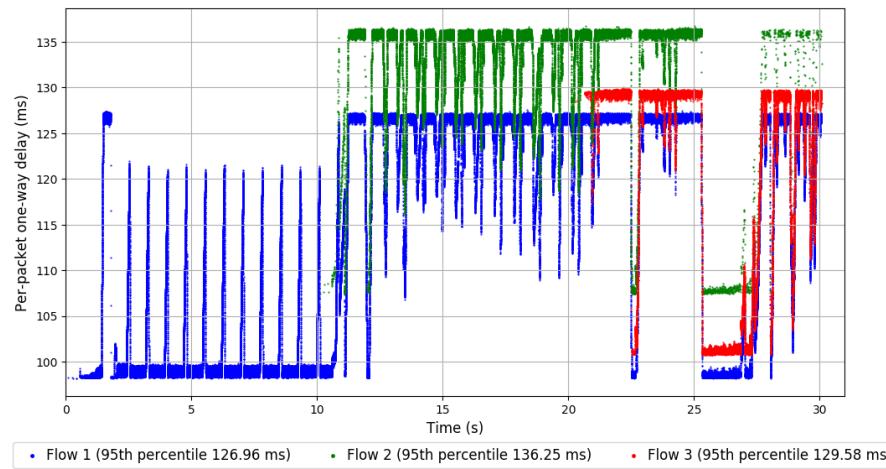
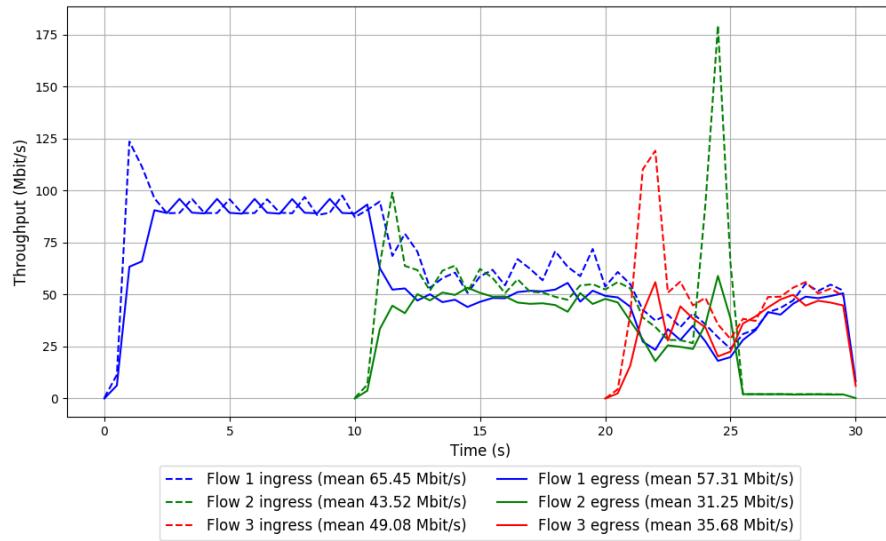


Run 3: Statistics of FillP

```
Start at: 2018-04-24 21:44:48
End at: 2018-04-24 21:45:18
Local clock offset: -4.94 ms
Remote clock offset: 7.633 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 136.074 ms
Loss rate: 18.67%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 126.956 ms
Loss rate: 12.36%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 136.251 ms
Loss rate: 28.10%
-- Flow 3:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 129.581 ms
Loss rate: 27.24%
```

Run 3: Report of FillP — Data Link

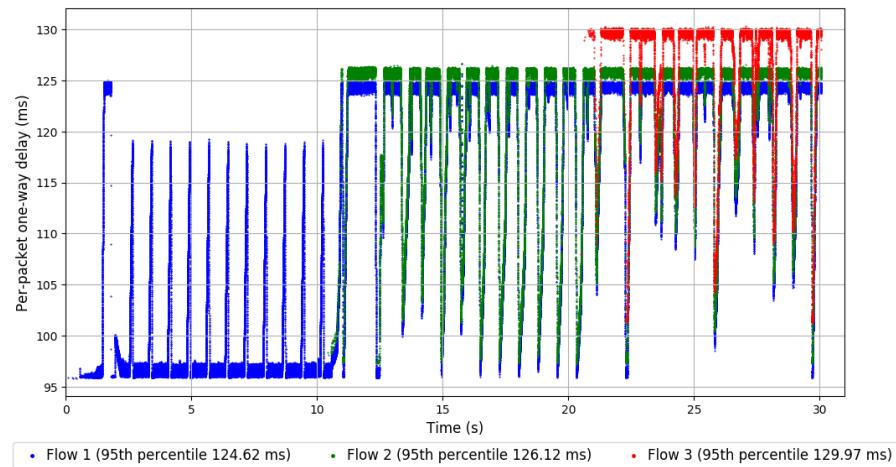
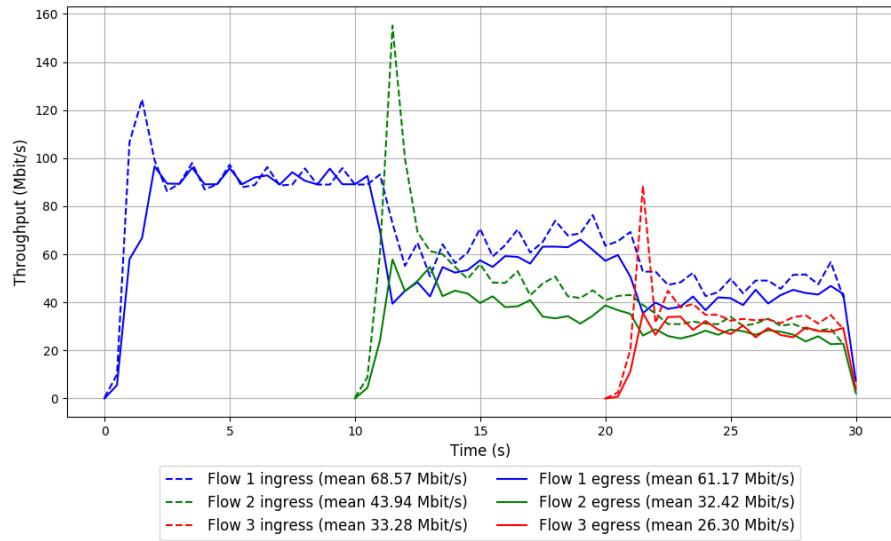


Run 4: Statistics of FillP

```
Start at: 2018-04-24 22:07:17
End at: 2018-04-24 22:07:47
Local clock offset: -4.104 ms
Remote clock offset: 3.571 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 129.495 ms
Loss rate: 16.00%
-- Flow 1:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 124.622 ms
Loss rate: 10.70%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 126.124 ms
Loss rate: 26.11%
-- Flow 3:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 129.965 ms
Loss rate: 22.12%
```

Run 4: Report of FillP — Data Link

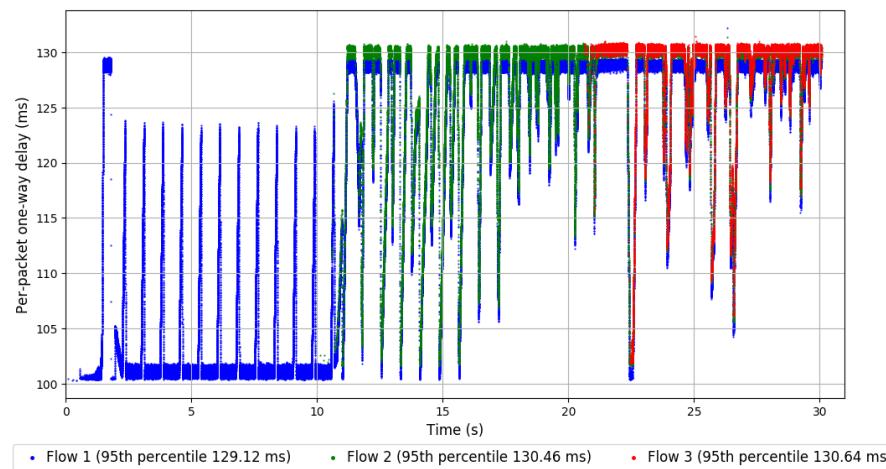
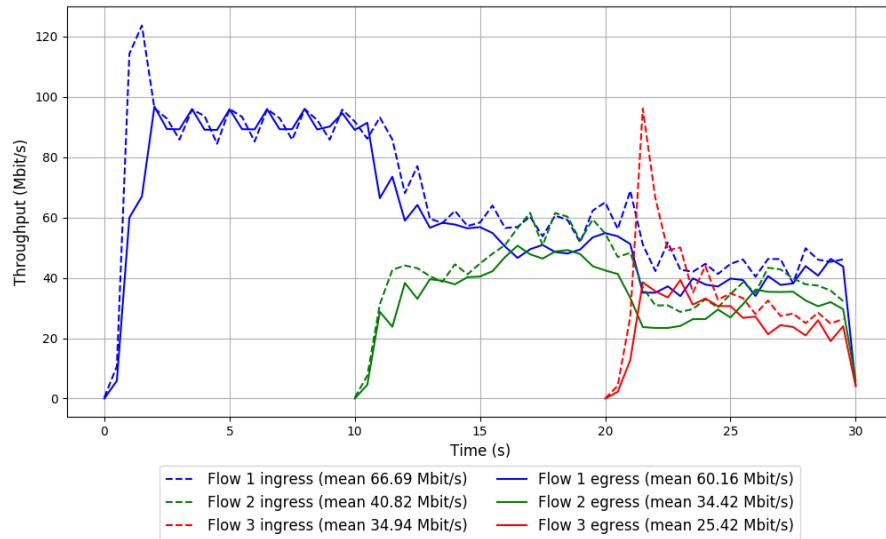


Run 5: Statistics of FillP

```
Start at: 2018-04-24 22:29:51
End at: 2018-04-24 22:30:21
Local clock offset: -5.365 ms
Remote clock offset: 7.203 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 130.401 ms
Loss rate: 13.14%
-- Flow 1:
Average throughput: 60.16 Mbit/s
95th percentile per-packet one-way delay: 129.118 ms
Loss rate: 9.71%
-- Flow 2:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 130.460 ms
Loss rate: 15.56%
-- Flow 3:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 130.642 ms
Loss rate: 27.25%
```

Run 5: Report of FillP — Data Link

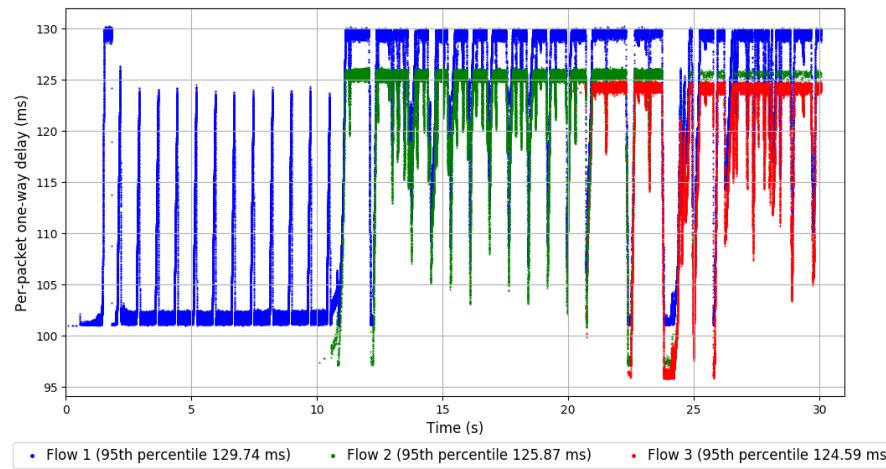
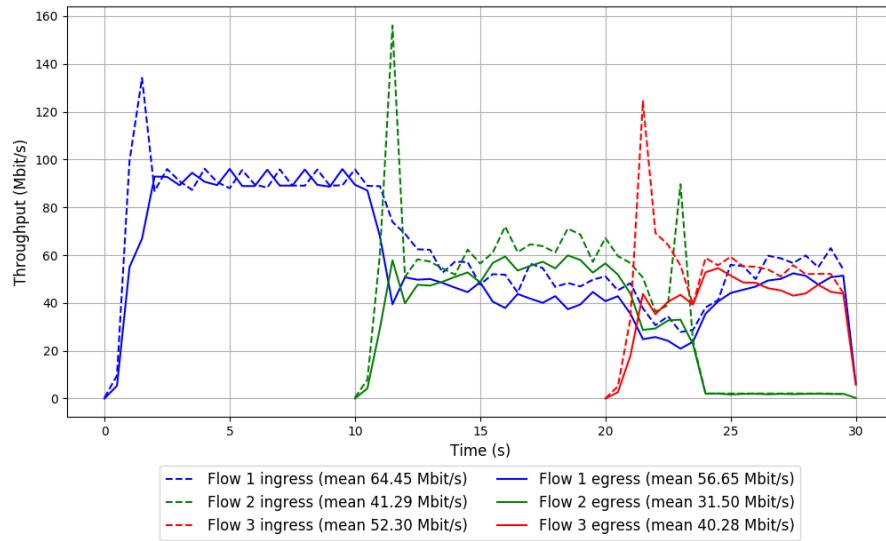


Run 6: Statistics of FillP

```
Start at: 2018-04-24 22:52:21
End at: 2018-04-24 22:52:51
Local clock offset: -6.012 ms
Remote clock offset: 3.103 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 129.676 ms
Loss rate: 16.67%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 129.742 ms
Loss rate: 12.02%
-- Flow 2:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 125.873 ms
Loss rate: 23.59%
-- Flow 3:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 124.588 ms
Loss rate: 22.97%
```

Run 6: Report of FillP — Data Link

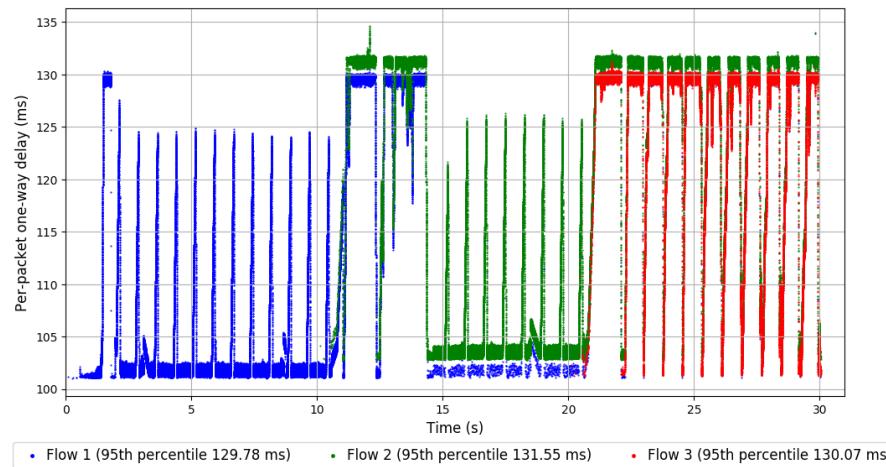
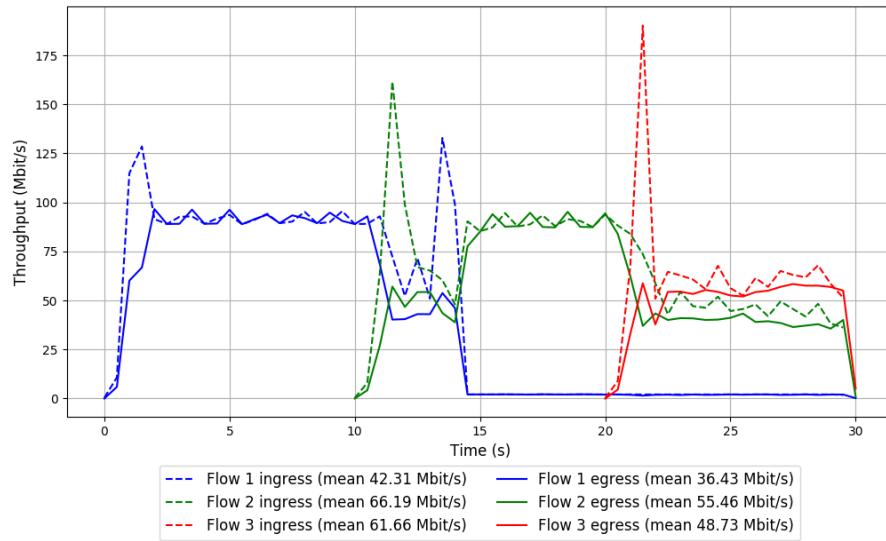


Run 7: Statistics of FillP

```
Start at: 2018-04-24 23:14:57
End at: 2018-04-24 23:15:27
Local clock offset: -4.337 ms
Remote clock offset: 8.079 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 131.424 ms
Loss rate: 16.21%
-- Flow 1:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 129.778 ms
Loss rate: 13.89%
-- Flow 2:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 131.548 ms
Loss rate: 16.22%
-- Flow 3:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 130.068 ms
Loss rate: 20.98%
```

Run 7: Report of FillP — Data Link

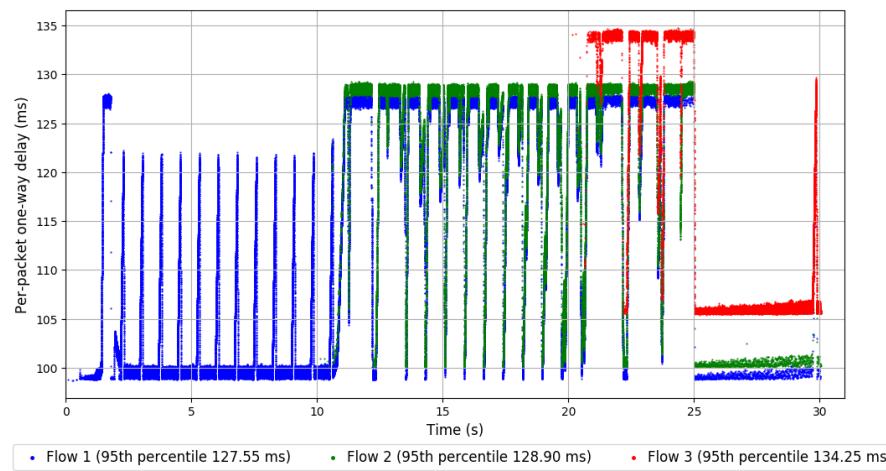
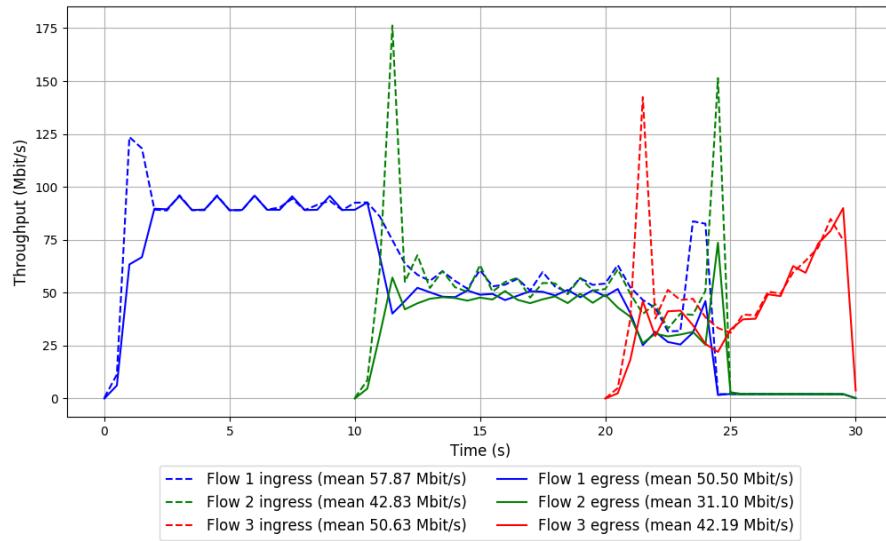


Run 8: Statistics of FillP

```
Start at: 2018-04-24 23:37:32
End at: 2018-04-24 23:38:02
Local clock offset: -5.075 ms
Remote clock offset: 6.017 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.13 Mbit/s
95th percentile per-packet one-way delay: 128.944 ms
Loss rate: 17.46%
-- Flow 1:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 127.553 ms
Loss rate: 12.72%
-- Flow 2:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 128.898 ms
Loss rate: 27.39%
-- Flow 3:
Average throughput: 42.19 Mbit/s
95th percentile per-packet one-way delay: 134.253 ms
Loss rate: 16.92%
```

Run 8: Report of FillP — Data Link

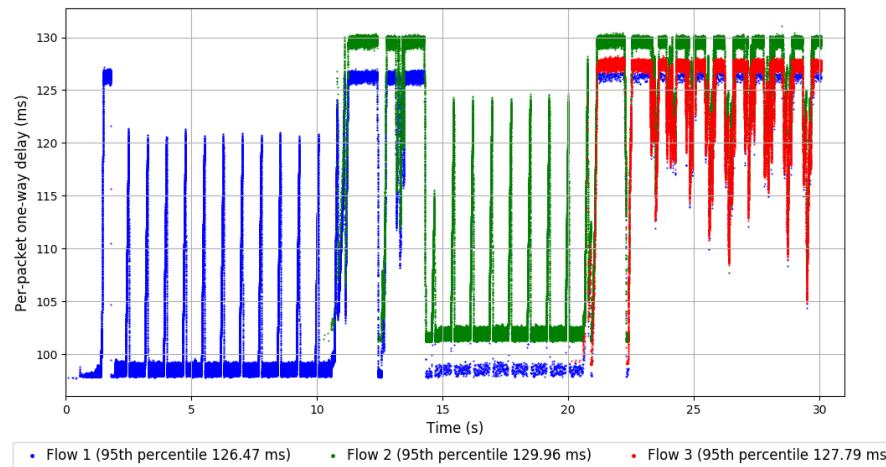
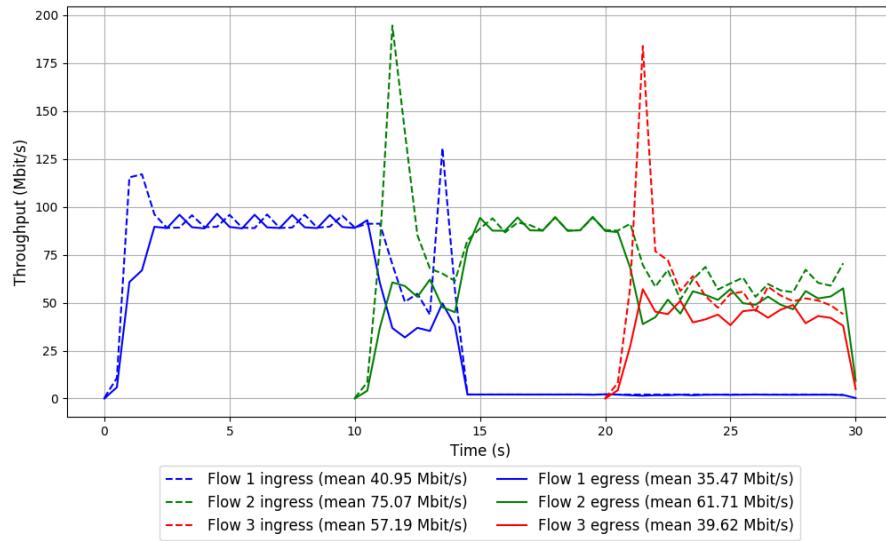


Run 9: Statistics of FillP

```
Start at: 2018-04-24 23:59:47
End at: 2018-04-25 00:00:17
Local clock offset: -5.068 ms
Remote clock offset: 2.859 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 129.818 ms
Loss rate: 18.27%
-- Flow 1:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 126.475 ms
Loss rate: 13.30%
-- Flow 2:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 129.958 ms
Loss rate: 17.69%
-- Flow 3:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 127.790 ms
Loss rate: 30.53%
```

Run 9: Report of FillP — Data Link

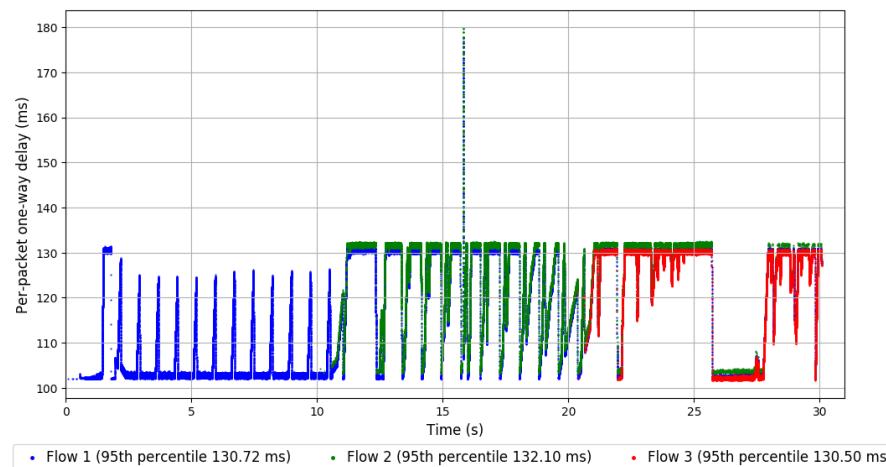
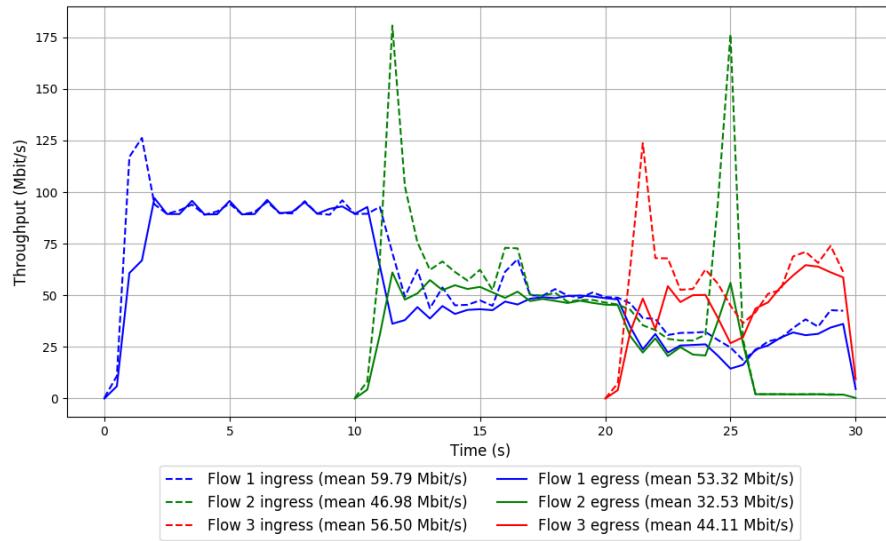


Run 10: Statistics of FillP

```
Start at: 2018-04-25 00:22:24
End at: 2018-04-25 00:22:54
Local clock offset: -4.982 ms
Remote clock offset: 7.797 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 131.923 ms
Loss rate: 18.31%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 130.721 ms
Loss rate: 10.74%
-- Flow 2:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 132.105 ms
Loss rate: 30.67%
-- Flow 3:
Average throughput: 44.11 Mbit/s
95th percentile per-packet one-way delay: 130.505 ms
Loss rate: 21.84%
```

Run 10: Report of FillP — Data Link

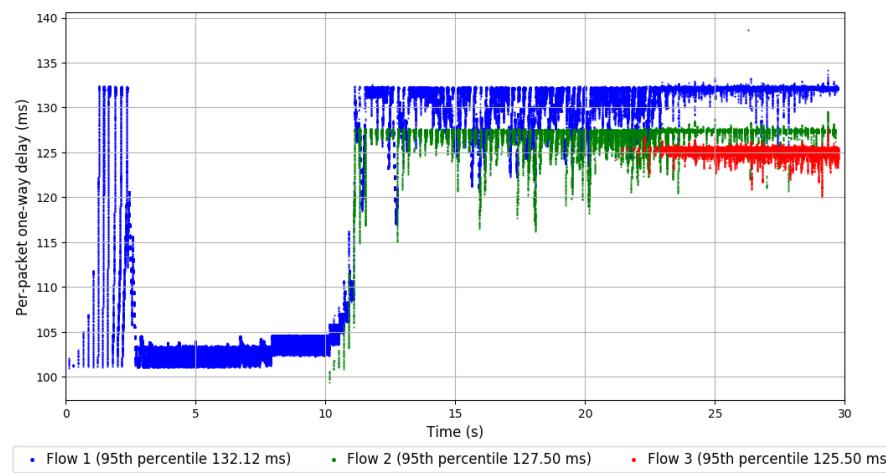
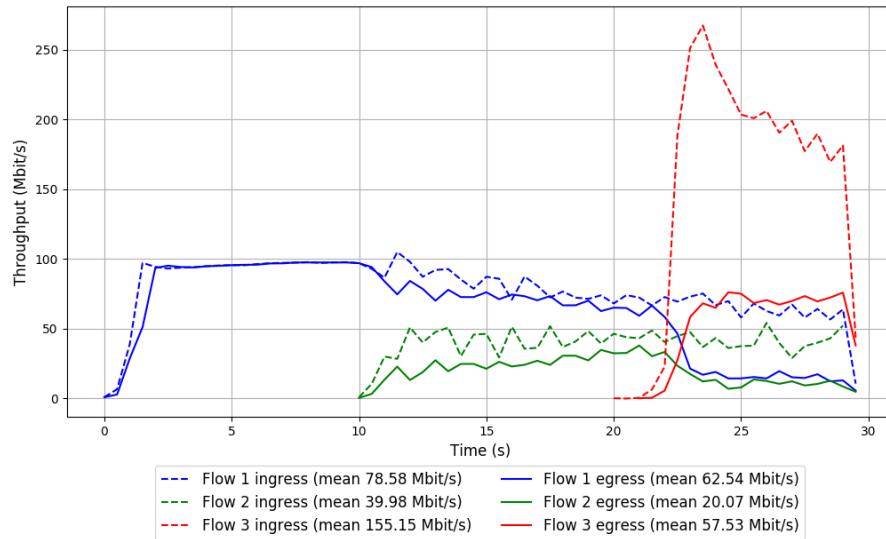


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-04-24 21:00:55
End at: 2018-04-24 21:01:25
Local clock offset: -3.999 ms
Remote clock offset: 3.77 ms

# Below is generated by plot.py at 2018-04-25 01:16:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 132.082 ms
Loss rate: 40.32%
-- Flow 1:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 132.123 ms
Loss rate: 20.33%
-- Flow 2:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 127.505 ms
Loss rate: 49.73%
-- Flow 3:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 125.503 ms
Loss rate: 66.81%
```

## Run 1: Report of Indigo-1-32 — Data Link

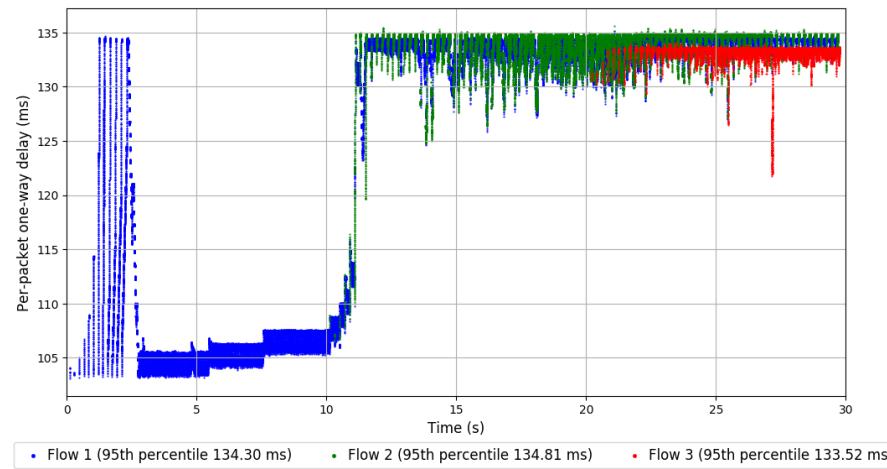
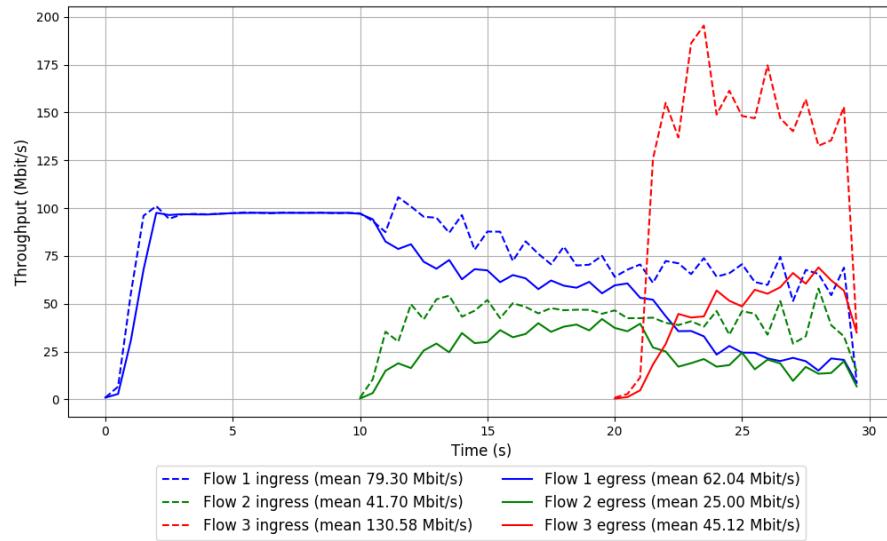


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-04-24 21:23:31
End at: 2018-04-24 21:24:01
Local clock offset: -4.891 ms
Remote clock offset: 9.248 ms

# Below is generated by plot.py at 2018-04-25 01:16:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 134.607 ms
Loss rate: 37.46%
-- Flow 1:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 134.297 ms
Loss rate: 21.68%
-- Flow 2:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 134.815 ms
Loss rate: 39.97%
-- Flow 3:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 133.521 ms
Loss rate: 65.44%
```

Run 2: Report of Indigo-1-32 — Data Link

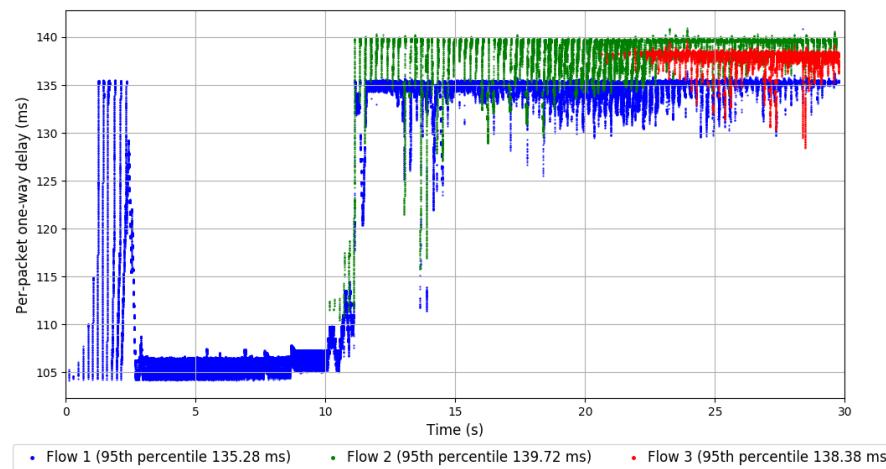
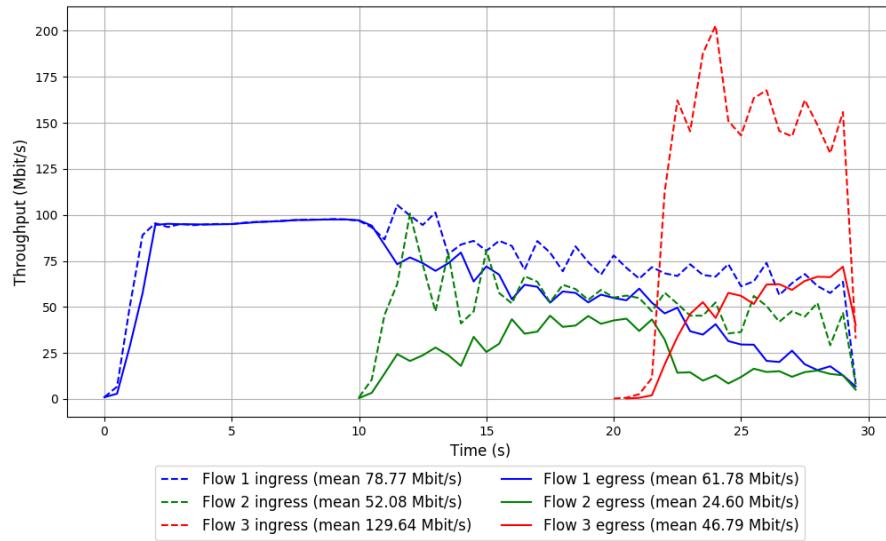


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-04-24 21:46:08
End at: 2018-04-24 21:46:38
Local clock offset: -5.724 ms
Remote clock offset: 8.383 ms

# Below is generated by plot.py at 2018-04-25 01:16:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 139.538 ms
Loss rate: 39.57%
-- Flow 1:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 135.277 ms
Loss rate: 21.49%
-- Flow 2:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 139.724 ms
Loss rate: 52.69%
-- Flow 3:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 138.379 ms
Loss rate: 63.92%
```

Run 3: Report of Indigo-1-32 — Data Link

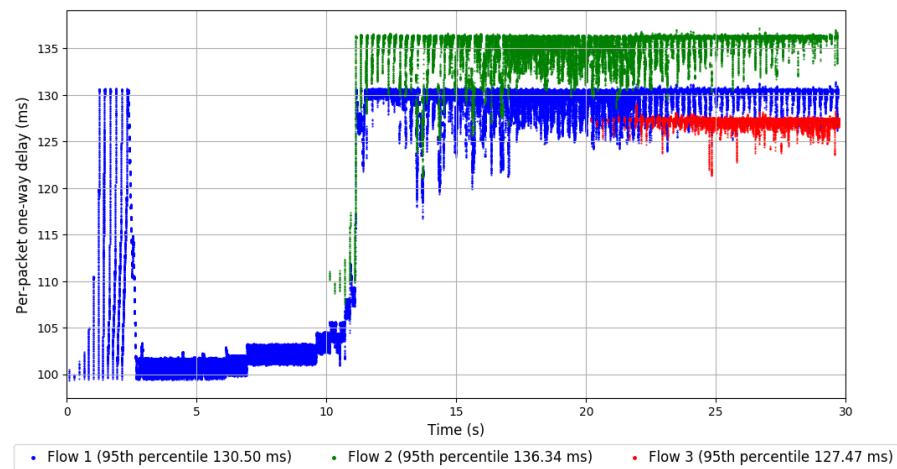
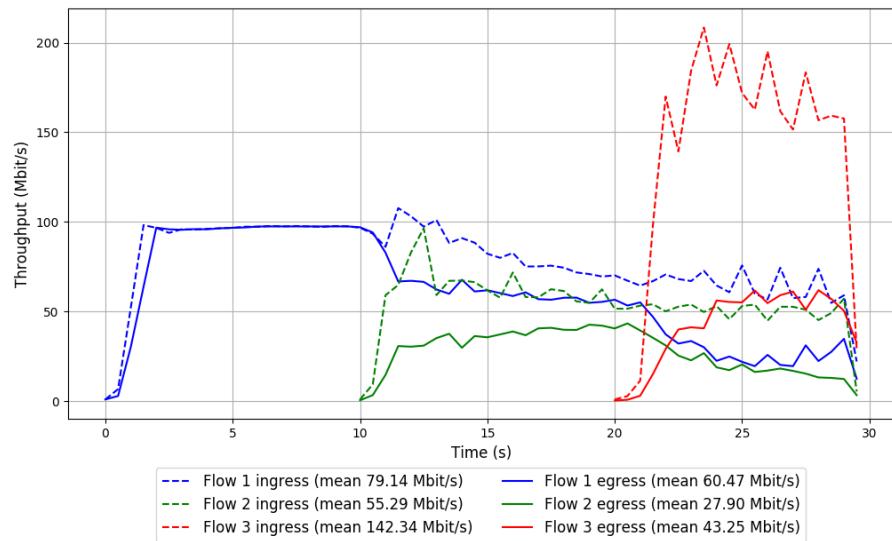


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-04-24 22:08:37
End at: 2018-04-24 22:09:07
Local clock offset: -5.63 ms
Remote clock offset: 4.362 ms

# Below is generated by plot.py at 2018-04-25 01:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 136.201 ms
Loss rate: 42.48%
-- Flow 1:
Average throughput: 60.47 Mbit/s
95th percentile per-packet one-way delay: 130.503 ms
Loss rate: 23.51%
-- Flow 2:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 136.339 ms
Loss rate: 49.46%
-- Flow 3:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 127.467 ms
Loss rate: 69.61%
```

Run 4: Report of Indigo-1-32 — Data Link

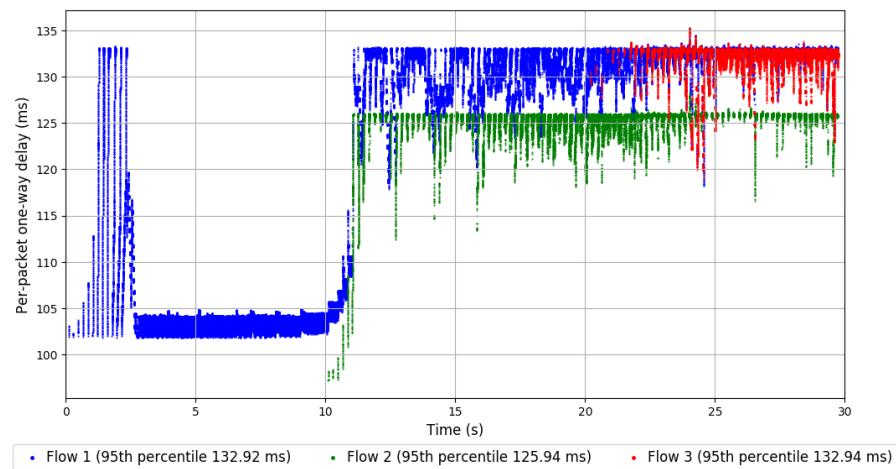
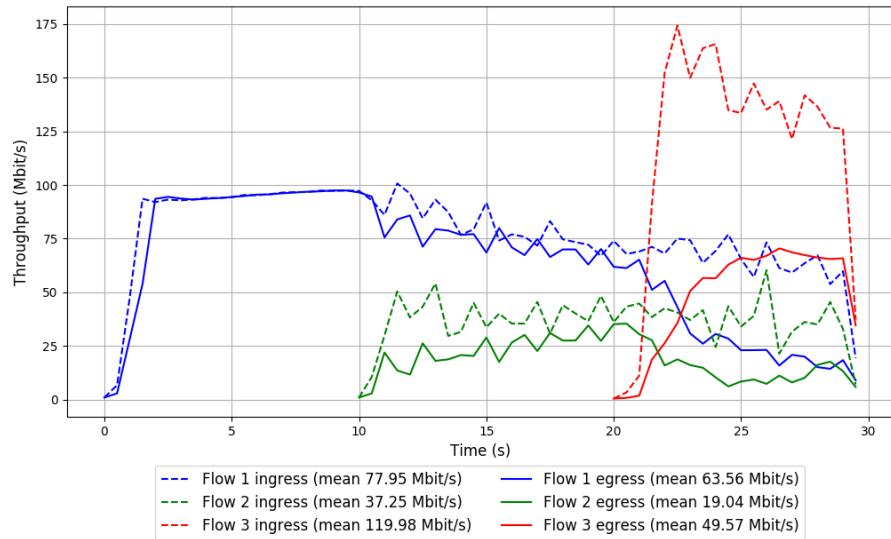


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-04-24 22:31:10
End at: 2018-04-24 22:31:40
Local clock offset: -4.651 ms
Remote clock offset: 4.141 ms

# Below is generated by plot.py at 2018-04-25 01:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 132.914 ms
Loss rate: 34.72%
-- Flow 1:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 132.918 ms
Loss rate: 18.37%
-- Flow 2:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 125.943 ms
Loss rate: 48.81%
-- Flow 3:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 132.942 ms
Loss rate: 58.69%
```

Run 5: Report of Indigo-1-32 — Data Link

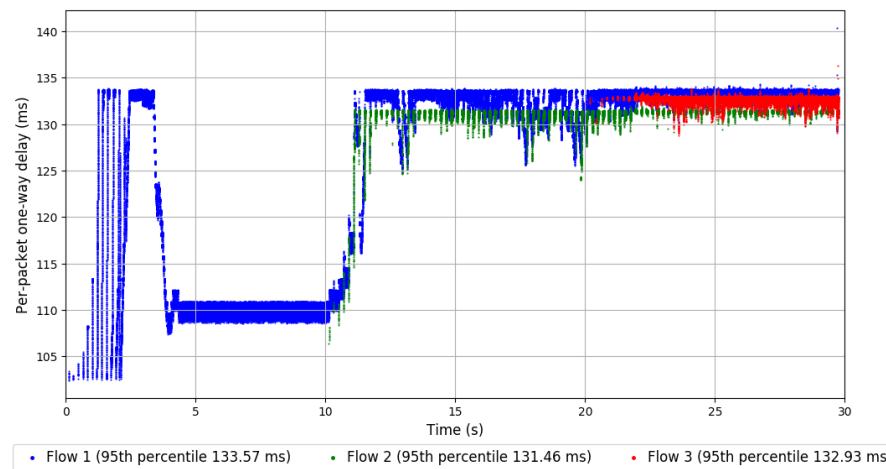
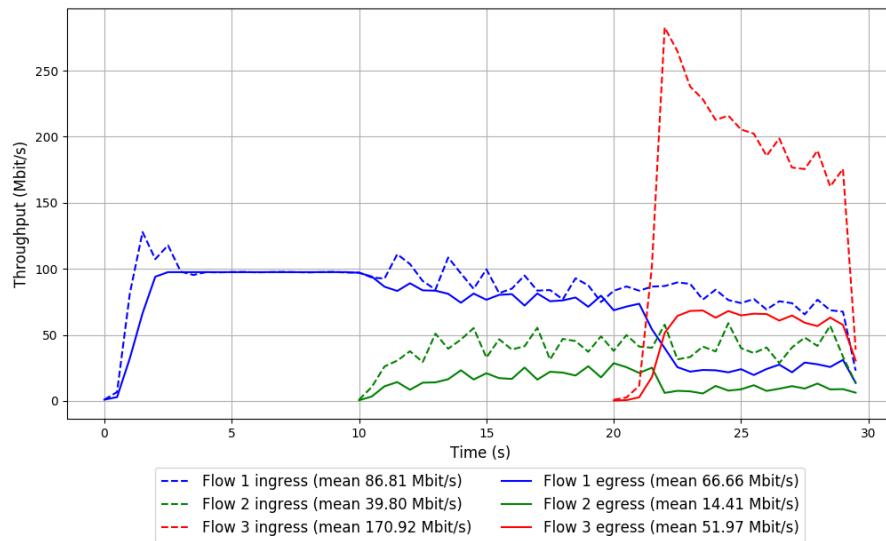


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-04-24 22:53:41
End at: 2018-04-24 22:54:11
Local clock offset: -6.051 ms
Remote clock offset: 7.817 ms

# Below is generated by plot.py at 2018-04-25 01:17:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 133.558 ms
Loss rate: 44.72%
-- Flow 1:
Average throughput: 66.66 Mbit/s
95th percentile per-packet one-way delay: 133.573 ms
Loss rate: 23.12%
-- Flow 2:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 131.460 ms
Loss rate: 63.75%
-- Flow 3:
Average throughput: 51.97 Mbit/s
95th percentile per-packet one-way delay: 132.928 ms
Loss rate: 69.59%
```

Run 6: Report of Indigo-1-32 — Data Link

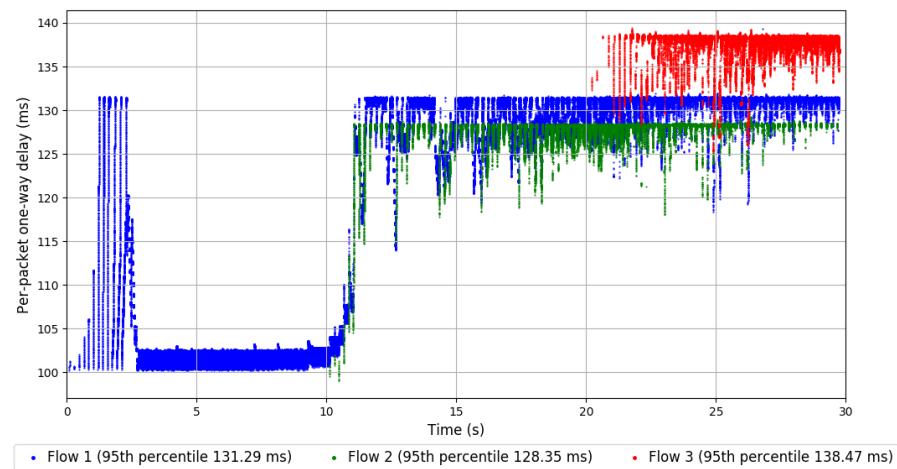
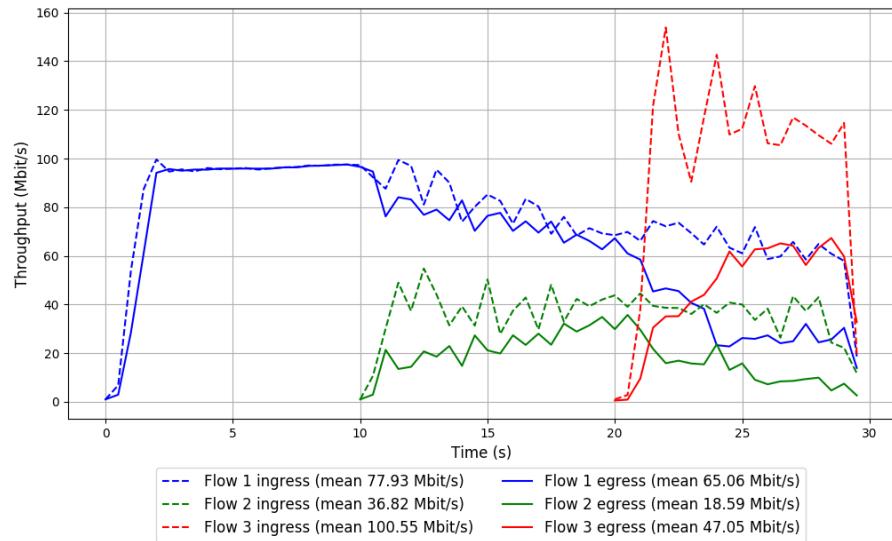


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-04-24 23:16:17
End at: 2018-04-24 23:16:47
Local clock offset: -5.121 ms
Remote clock offset: 6.377 ms

# Below is generated by plot.py at 2018-04-25 01:17:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 138.318 ms
Loss rate: 31.25%
-- Flow 1:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 131.287 ms
Loss rate: 16.43%
-- Flow 2:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 128.351 ms
Loss rate: 49.44%
-- Flow 3:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 138.472 ms
Loss rate: 53.22%
```

Run 7: Report of Indigo-1-32 — Data Link

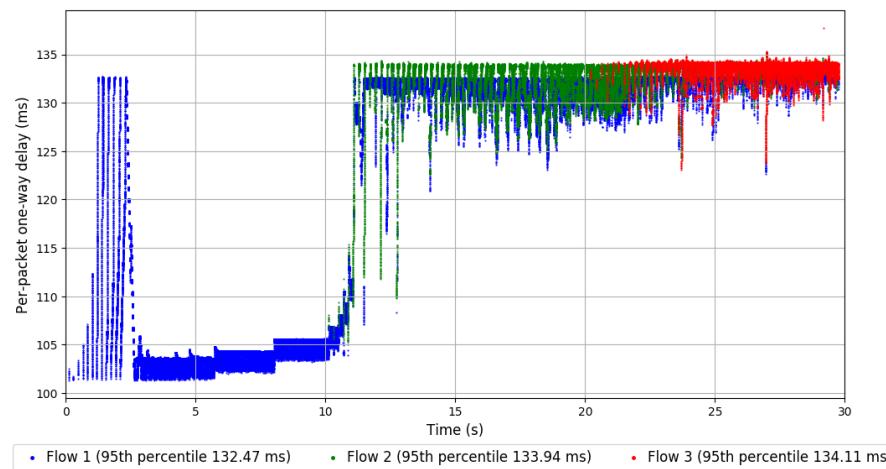
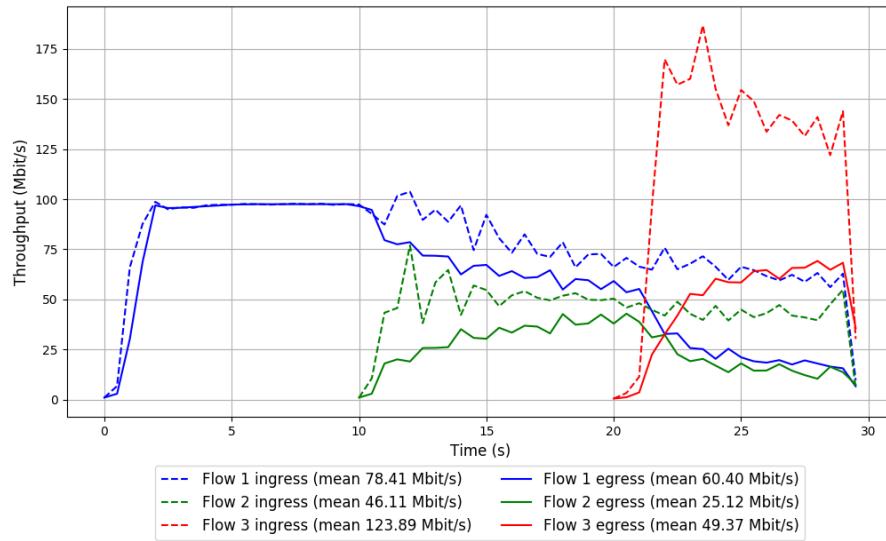


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-04-24 23:38:51
End at: 2018-04-24 23:39:22
Local clock offset: -5.095 ms
Remote clock offset: 6.842 ms

# Below is generated by plot.py at 2018-04-25 01:17:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 133.985 ms
Loss rate: 37.50%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 132.465 ms
Loss rate: 22.88%
-- Flow 2:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 133.936 ms
Loss rate: 45.45%
-- Flow 3:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 134.113 ms
Loss rate: 60.15%
```

Run 8: Report of Indigo-1-32 — Data Link

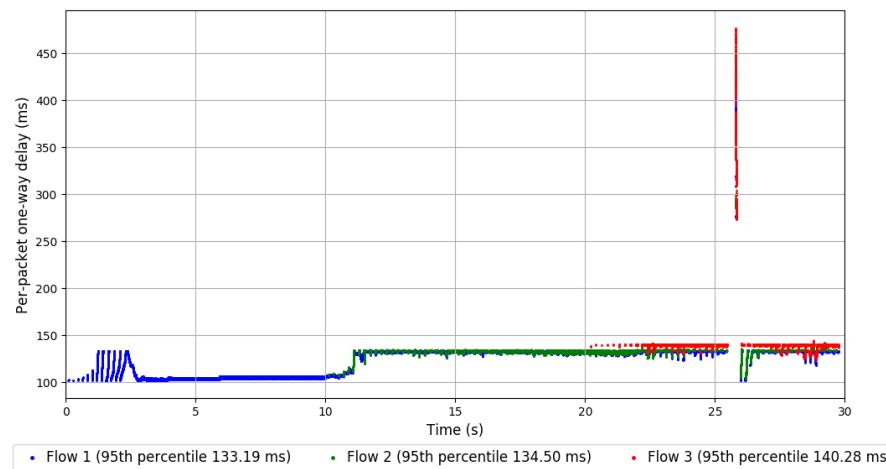
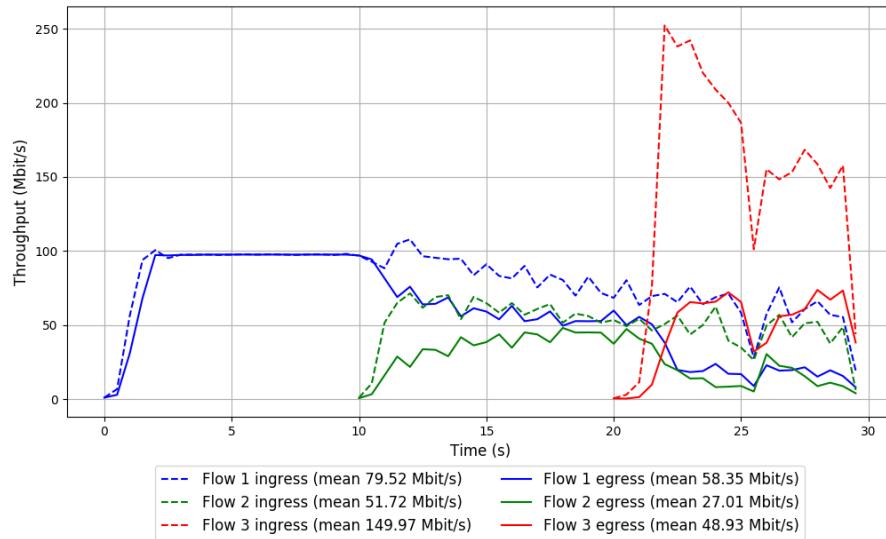


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-04-25 00:01:07
End at: 2018-04-25 00:01:37
Local clock offset: -4.968 ms
Remote clock offset: 7.451 ms

# Below is generated by plot.py at 2018-04-25 01:18:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 140.014 ms
Loss rate: 43.21%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 133.194 ms
Loss rate: 26.55%
-- Flow 2:
Average throughput: 27.01 Mbit/s
95th percentile per-packet one-way delay: 134.496 ms
Loss rate: 47.72%
-- Flow 3:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 140.282 ms
Loss rate: 67.39%
```

## Run 9: Report of Indigo-1-32 — Data Link

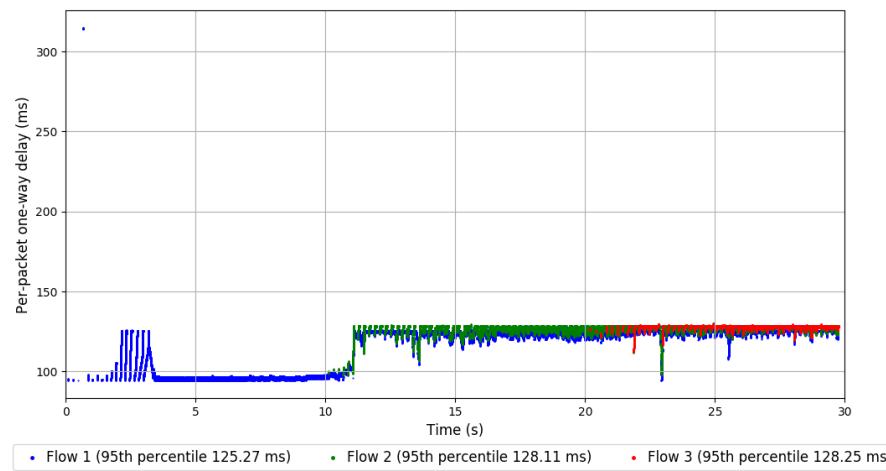
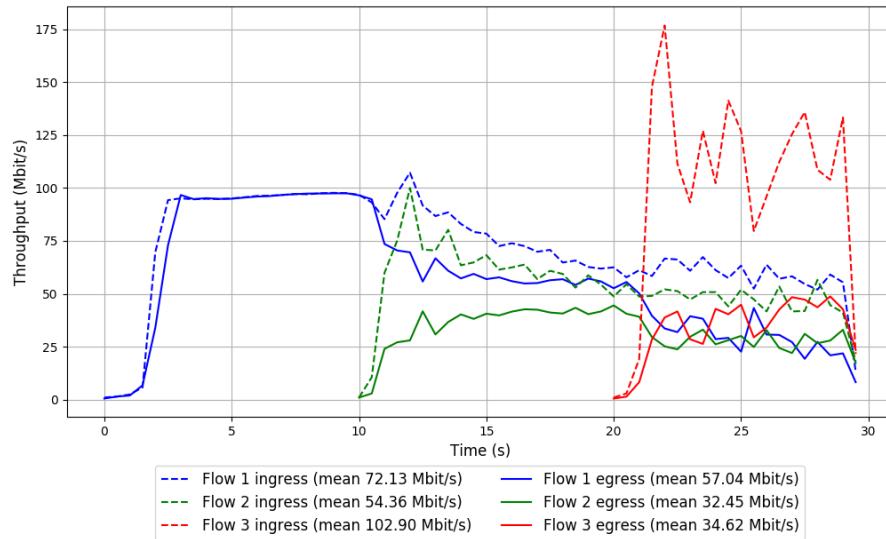


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-04-25 00:23:43
End at: 2018-04-25 00:24:13
Local clock offset: -5.749 ms
Remote clock offset: 2.409 ms

# Below is generated by plot.py at 2018-04-25 01:18:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 128.120 ms
Loss rate: 36.47%
-- Flow 1:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 125.266 ms
Loss rate: 20.84%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 128.114 ms
Loss rate: 40.21%
-- Flow 3:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 128.254 ms
Loss rate: 66.35%
```

## Run 10: Report of Indigo-1-32 — Data Link

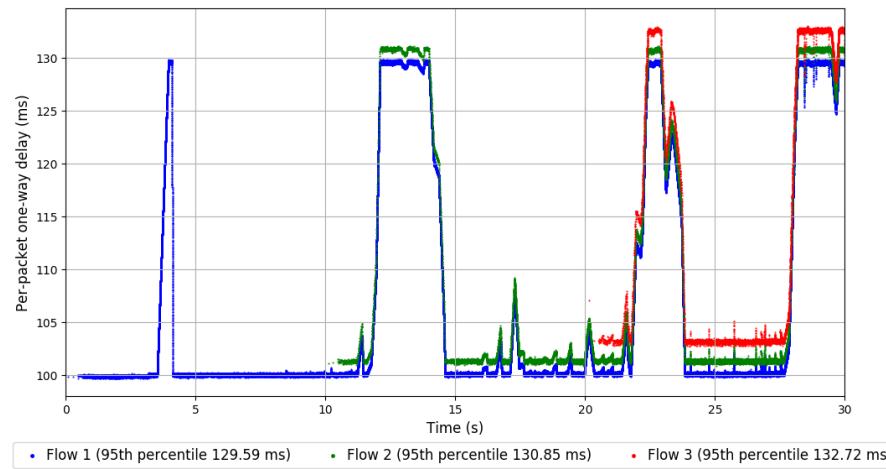
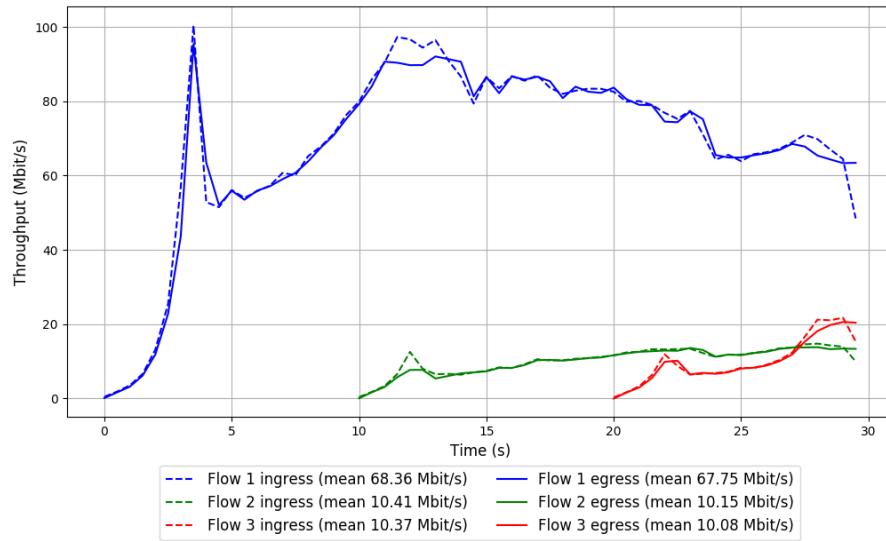


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 20:54:29
End at: 2018-04-24 20:54:59
Local clock offset: -3.991 ms
Remote clock offset: 9.13 ms

# Below is generated by plot.py at 2018-04-25 01:18:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 129.665 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 129.589 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 130.853 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 132.716 ms
Loss rate: 2.51%
```

Run 1: Report of PCC-Vivace — Data Link

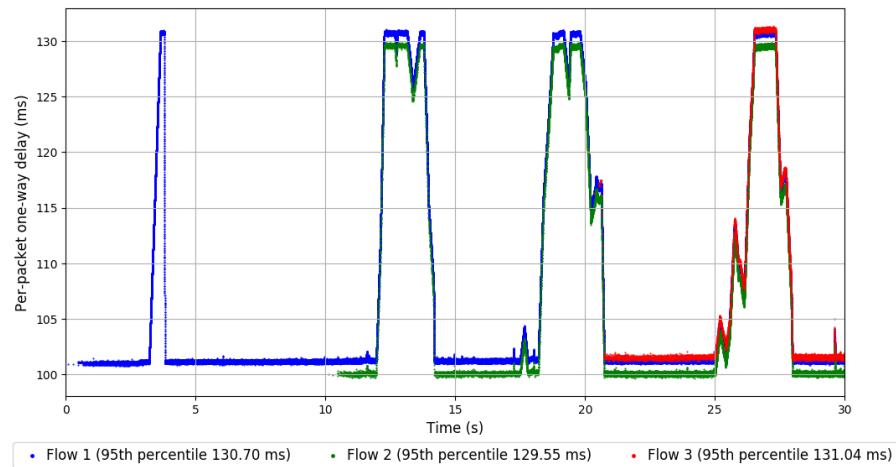
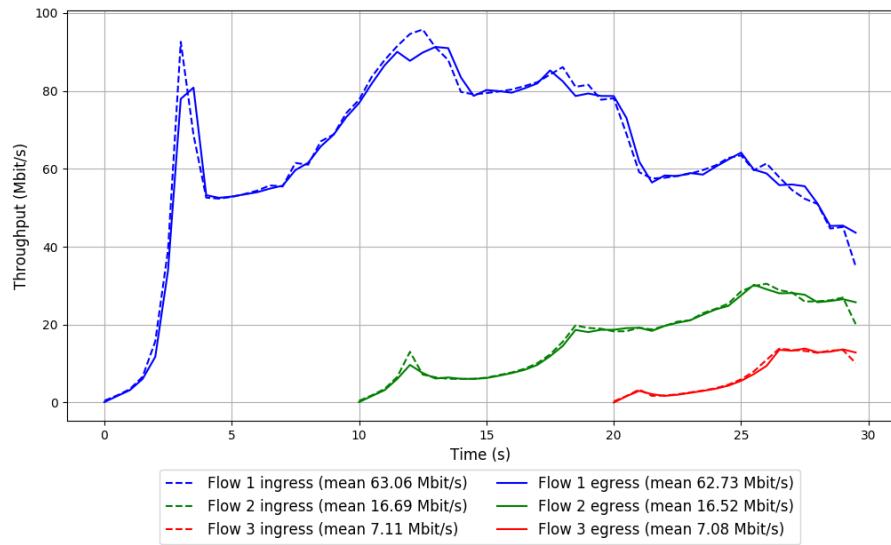


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-04-24 21:17:05
End at: 2018-04-24 21:17:35
Local clock offset: -5.713 ms
Remote clock offset: 7.707 ms

# Below is generated by plot.py at 2018-04-25 01:18:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 130.686 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 130.698 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 129.552 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 131.045 ms
Loss rate: 0.58%
```

Run 2: Report of PCC-Vivace — Data Link

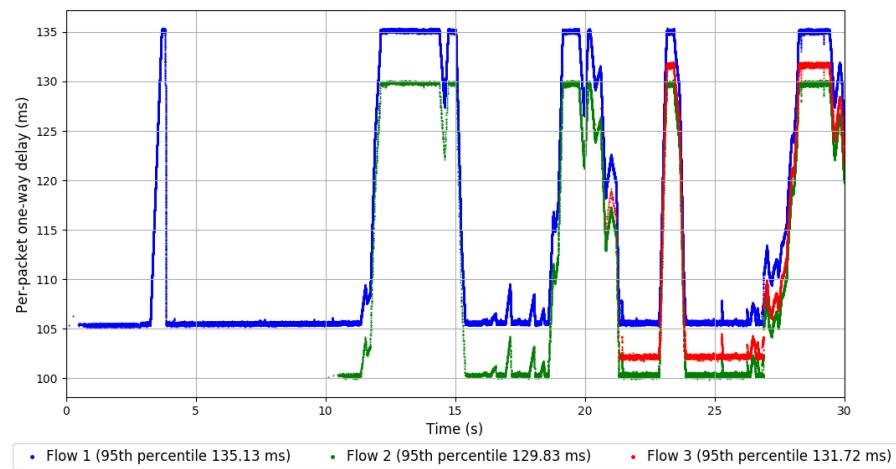
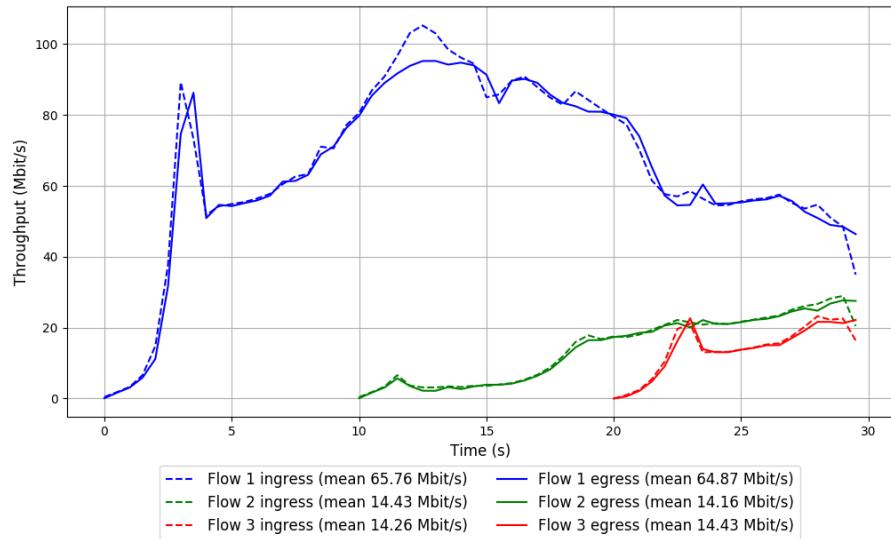


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-04-24 21:39:42
End at: 2018-04-24 21:40:12
Local clock offset: -5.722 ms
Remote clock offset: 8.341 ms

# Below is generated by plot.py at 2018-04-25 01:18:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 135.110 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 135.126 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 129.828 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 131.720 ms
Loss rate: 1.48%
```

Run 3: Report of PCC-Vivace — Data Link

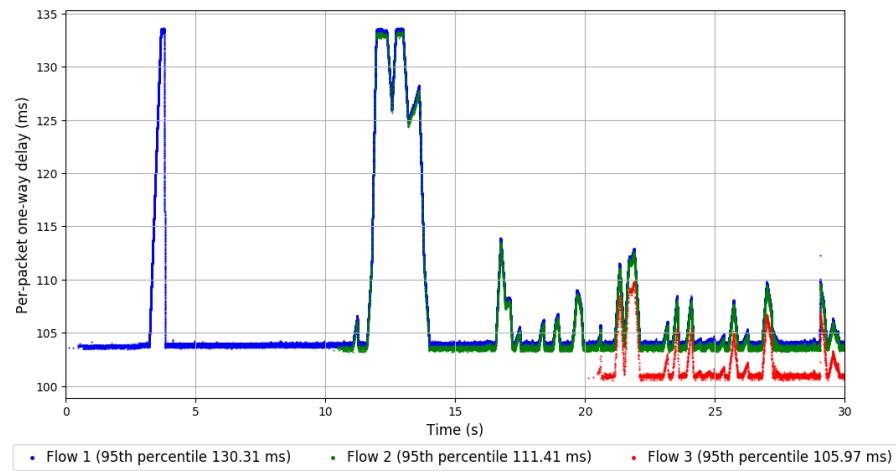
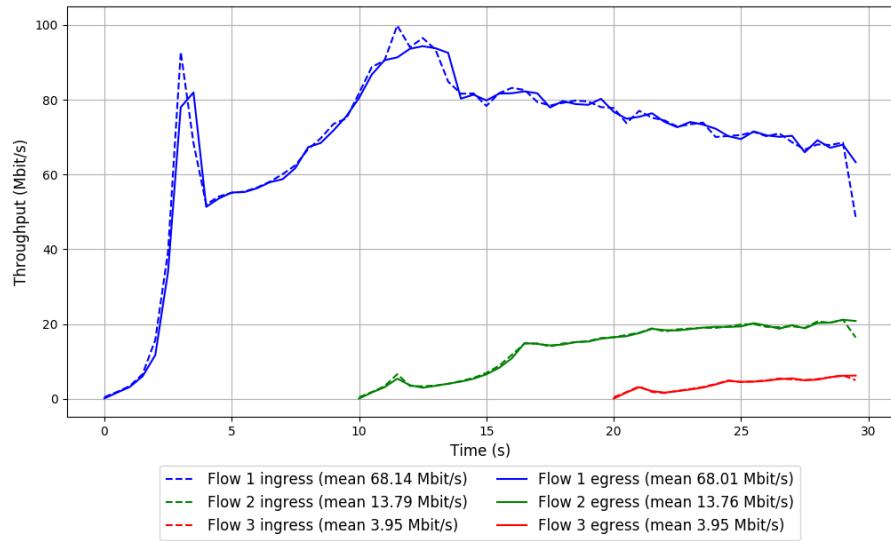


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-04-24 22:02:11
End at: 2018-04-24 22:02:41
Local clock offset: -4.896 ms
Remote clock offset: 9.055 ms

# Below is generated by plot.py at 2018-04-25 01:18:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 128.842 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 68.01 Mbit/s
95th percentile per-packet one-way delay: 130.309 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 111.407 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 105.966 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

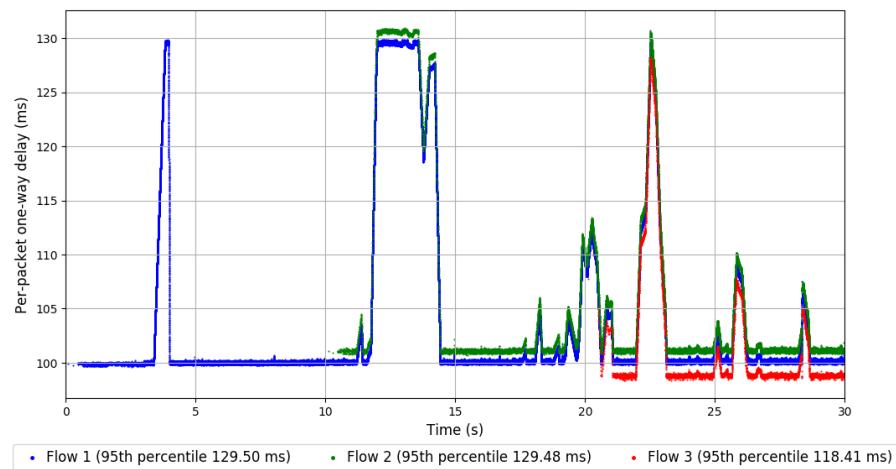
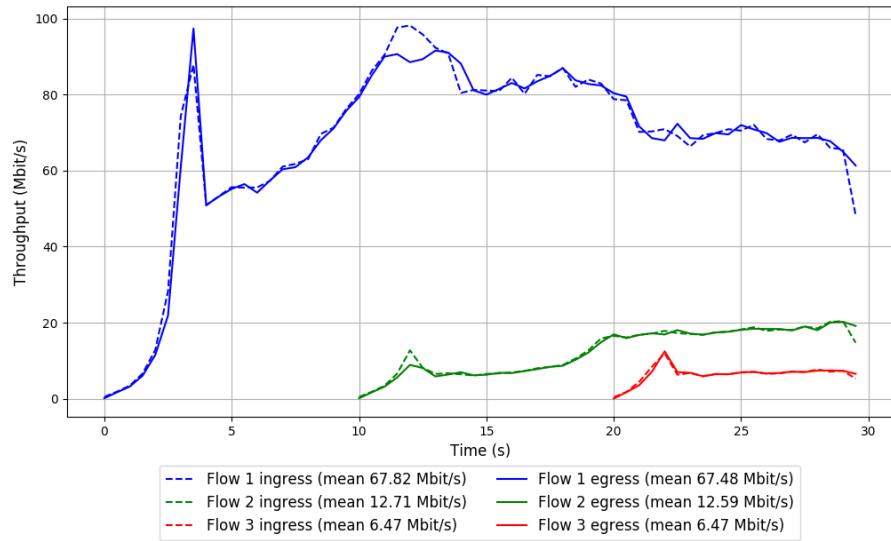


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-04-24 22:24:44
End at: 2018-04-24 22:25:14
Local clock offset: -4.592 ms
Remote clock offset: 7.972 ms

# Below is generated by plot.py at 2018-04-25 01:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 129.492 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 67.48 Mbit/s
95th percentile per-packet one-way delay: 129.501 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 129.483 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 118.414 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Vivace — Data Link

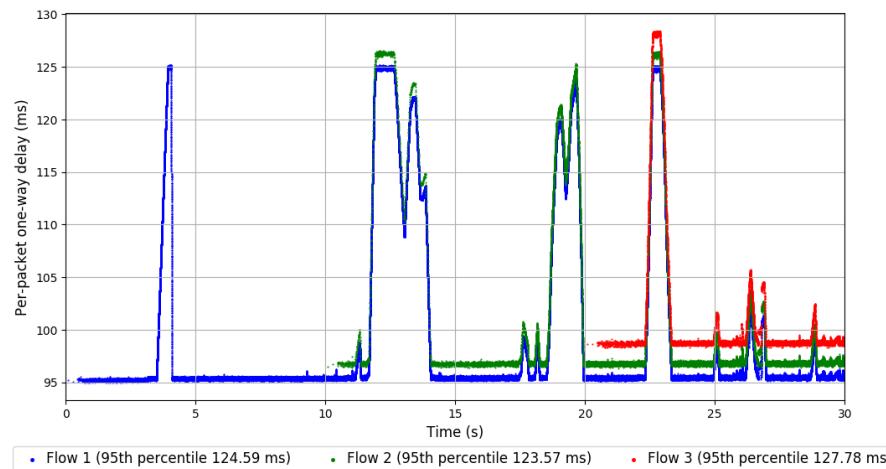
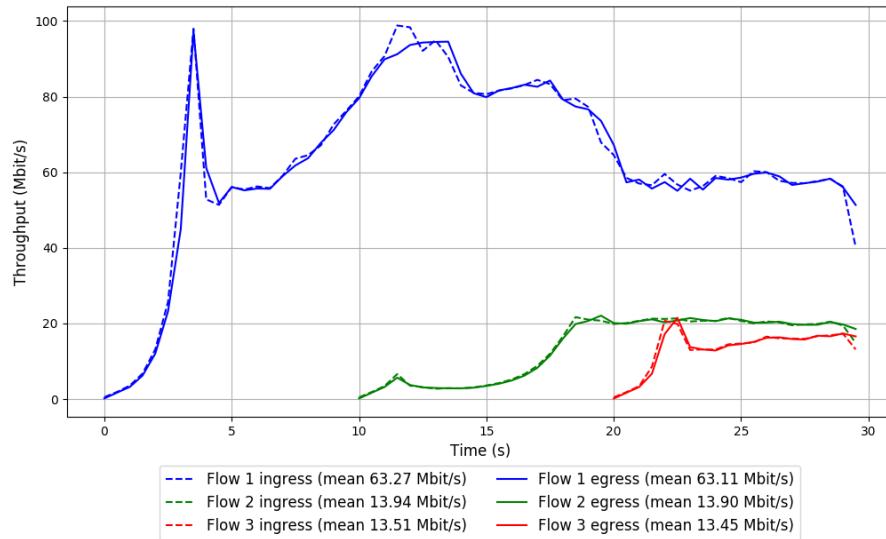


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-04-24 22:47:15
End at: 2018-04-24 22:47:45
Local clock offset: -6.075 ms
Remote clock offset: 4.008 ms

# Below is generated by plot.py at 2018-04-25 01:18:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 124.527 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: 124.593 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 123.574 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 13.45 Mbit/s
95th percentile per-packet one-way delay: 127.778 ms
Loss rate: 0.48%
```

Run 6: Report of PCC-Vivace — Data Link

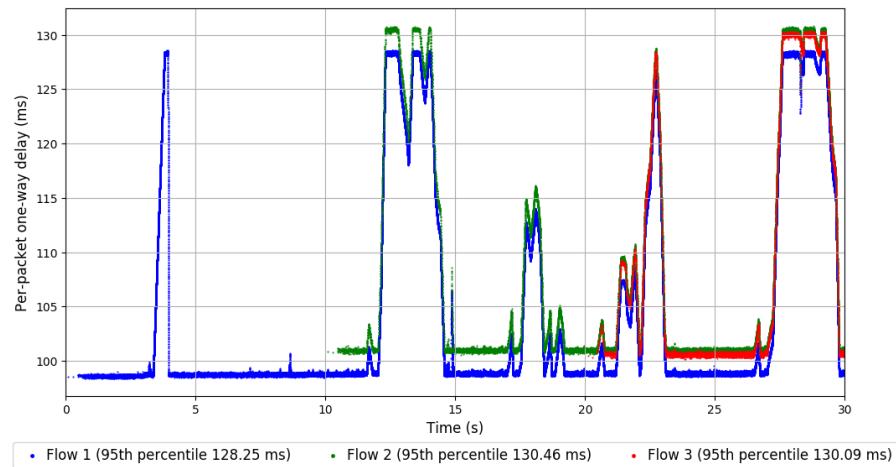
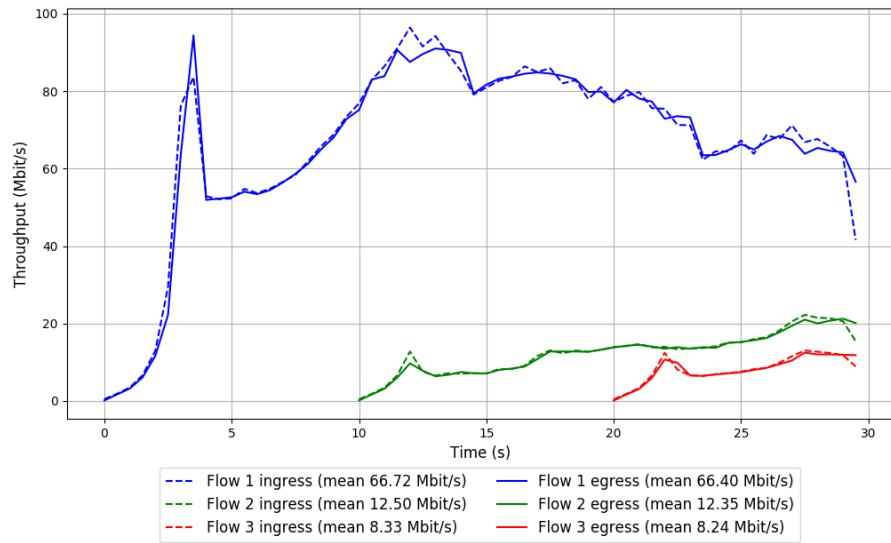


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-04-24 23:09:51
End at: 2018-04-24 23:10:21
Local clock offset: -5.149 ms
Remote clock offset: 6.597 ms

# Below is generated by plot.py at 2018-04-25 01:19:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 128.330 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 128.251 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 130.456 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 130.092 ms
Loss rate: 1.10%
```

Run 7: Report of PCC-Vivace — Data Link

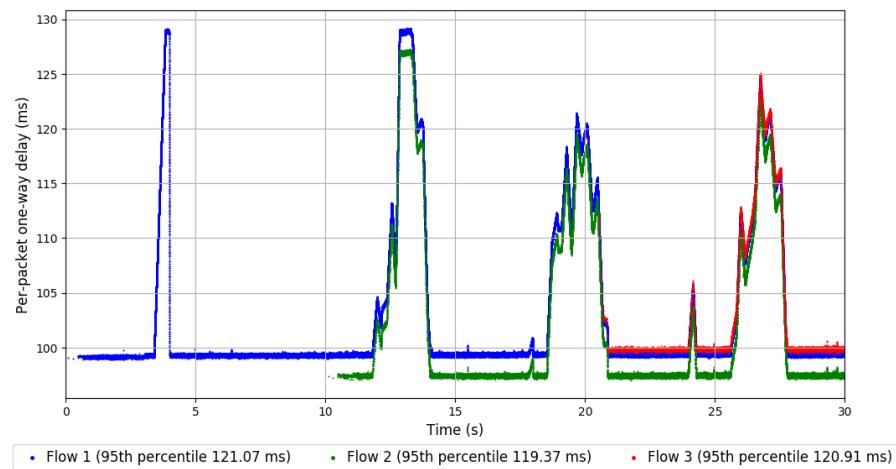
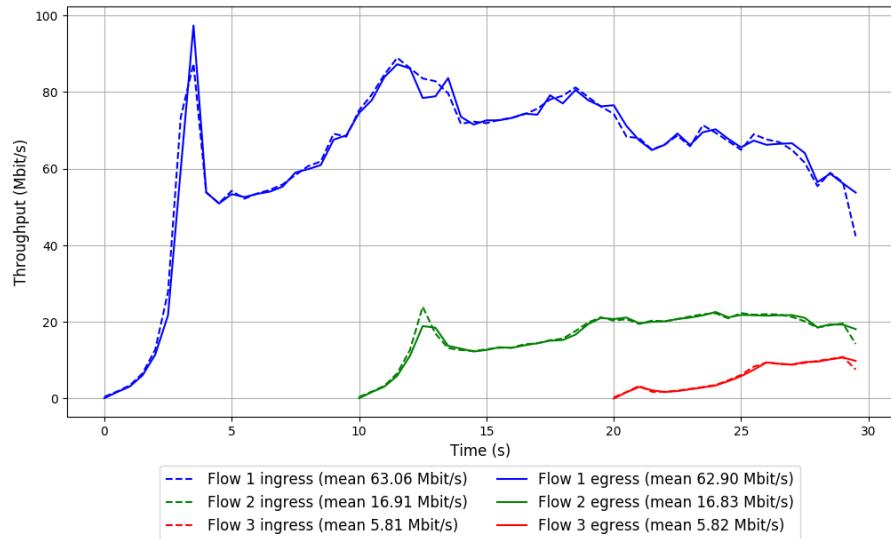


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-04-24 23:32:26
End at: 2018-04-24 23:32:56
Local clock offset: -5.85 ms
Remote clock offset: 2.321 ms

# Below is generated by plot.py at 2018-04-25 01:19:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 120.949 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 121.072 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 16.83 Mbit/s
95th percentile per-packet one-way delay: 119.374 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 120.913 ms
Loss rate: 0.02%
```

Run 8: Report of PCC-Vivace — Data Link

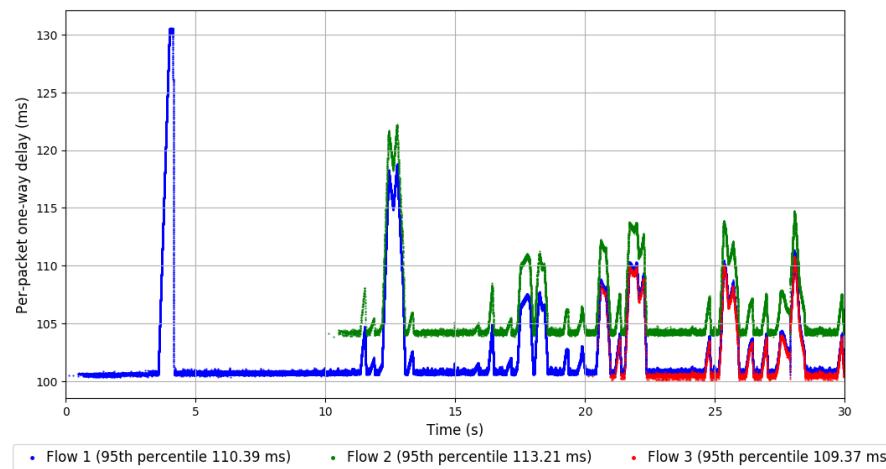
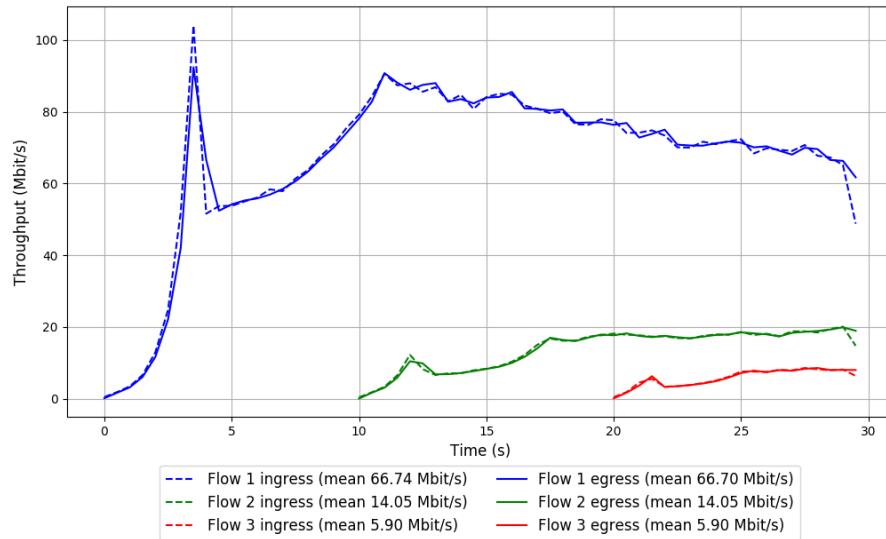


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-04-24 23:54:40
End at: 2018-04-24 23:55:10
Local clock offset: -5.01 ms
Remote clock offset: 5.856 ms

# Below is generated by plot.py at 2018-04-25 01:19:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 111.549 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.70 Mbit/s
95th percentile per-packet one-way delay: 110.391 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 113.206 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 109.367 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

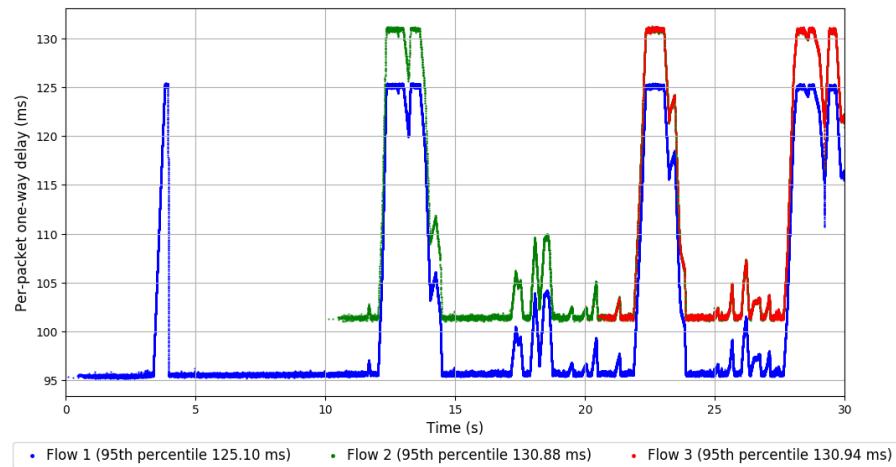
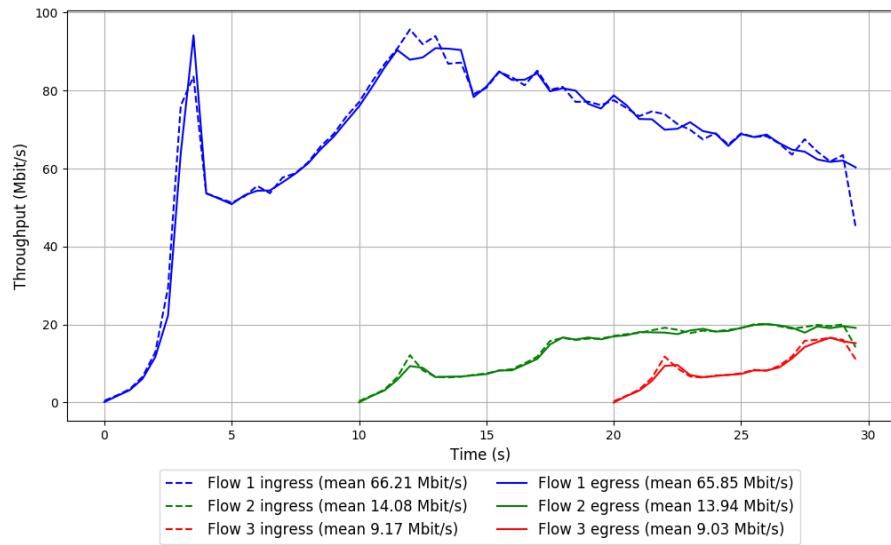


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-04-25 00:17:17
End at: 2018-04-25 00:17:47
Local clock offset: -4.203 ms
Remote clock offset: 2.345 ms

# Below is generated by plot.py at 2018-04-25 01:19:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 125.227 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 65.85 Mbit/s
95th percentile per-packet one-way delay: 125.104 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 130.881 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 130.937 ms
Loss rate: 1.27%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 20:51:54

End at: 2018-04-24 20:52:24

Local clock offset: -4.853 ms

Remote clock offset: 3.661 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 21:14:31

End at: 2018-04-24 21:15:01

Local clock offset: -5.746 ms

Remote clock offset: 8.484 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 21:37:06

End at: 2018-04-24 21:37:36

Local clock offset: -4.143 ms

Remote clock offset: 3.805 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 21:59:36

End at: 2018-04-24 22:00:06

Local clock offset: -4.916 ms

Remote clock offset: 4.485 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 22:22:09

End at: 2018-04-24 22:22:39

Local clock offset: -5.314 ms

Remote clock offset: 4.314 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 22:44:41

End at: 2018-04-24 22:45:11

Local clock offset: -5.357 ms

Remote clock offset: 8.595 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-24 23:07:17

End at: 2018-04-24 23:07:47

Local clock offset: -5.873 ms

Remote clock offset: 6.635 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-24 23:29:51

End at: 2018-04-24 23:30:21

Local clock offset: -5.035 ms

Remote clock offset: 3.23 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-24 23:52:05

End at: 2018-04-24 23:52:35

Local clock offset: -5.715 ms

Remote clock offset: 2.919 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-25 00:14:42

End at: 2018-04-25 00:15:12

Local clock offset: -5.084 ms

Remote clock offset: 7.606 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing