

Pantheon Report

Generated at 2018-02-13 21:09:38 (UTC).

Data path: AWS Brazil 1 Ethernet (*local*) → Brazil Ethernet (*remote*).

Repeated the test of 17 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).

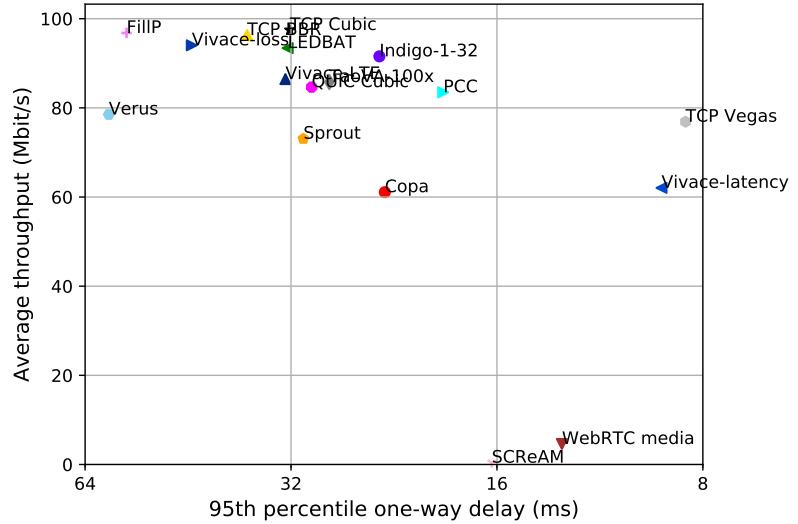
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

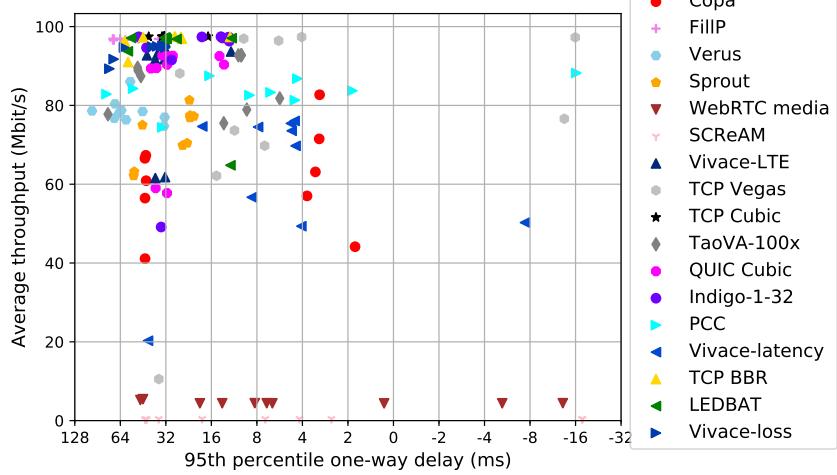
Git summary:

```
branch: master @ 2efdadc57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
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 @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
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/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 @ a488197ddd041ace68a42849b2540ad834825f42
```

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



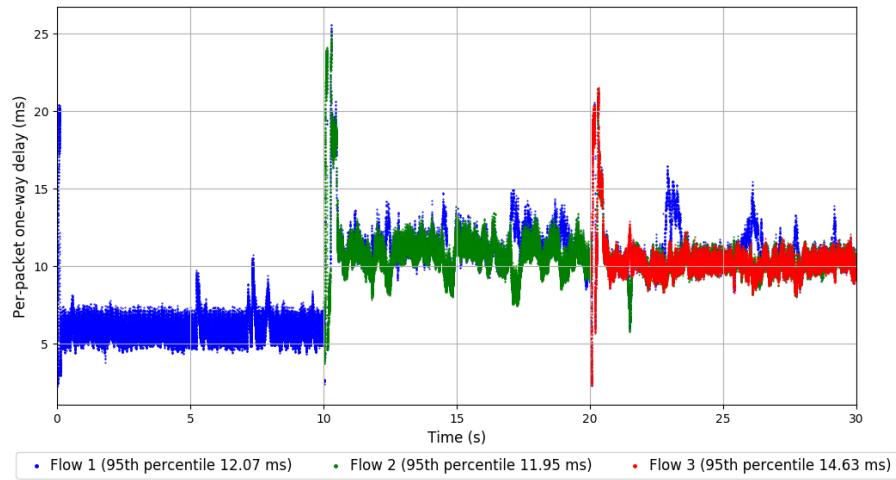
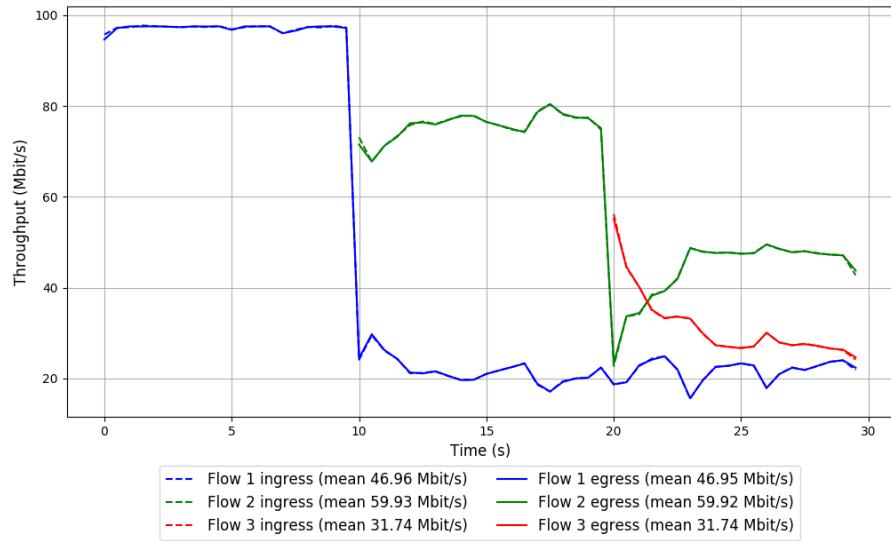
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 56.99 | 41.51 | 35.26 | 29.52 | 29.98 | 34.62 | 1.27 | 0.45 | 2.08 |
| TCP Cubic | 10 | 66.66 | 36.49 | 19.70 | 32.16 | 31.68 | 44.04 | 0.03 | 0.06 | 2.66 |
| LEDBAT | 10 | 62.85 | 31.52 | 28.90 | 33.16 | 42.24 | 37.83 | 0.86 | 1.90 | 2.53 |
| PCC | 10 | 66.58 | 17.75 | 15.49 | 18.20 | 22.32 | 15.82 | 0.41 | 1.53 | 1.15 |
| QUIC Cubic | 10 | 47.64 | 42.06 | 27.72 | 36.45 | 28.58 | 33.56 | 2.15 | 0.22 | 0.31 |
| SCReAM | 10 | 0.22 | 0.18 | 0.22 | 2.44 | 17.01 | 7.68 | 0.00 | 3.27 | 0.03 |
| WebRTC media | 10 | 2.34 | 1.67 | 0.58 | 5.79 | 10.80 | 9.10 | 0.00 | 1.72 | 1.01 |
| Sprout | 10 | 42.21 | 33.73 | 25.52 | 19.86 | 27.85 | 33.88 | 0.00 | 1.88 | 2.18 |
| TaoVA-100x | 10 | 51.71 | 34.55 | 32.89 | 20.21 | 20.88 | 26.08 | 1.99 | 2.03 | 2.18 |
| TCP Vegas | 10 | 43.28 | 32.53 | 35.96 | 7.62 | 9.54 | 12.03 | 0.01 | 0.02 | 1.03 |
| Verus | 10 | 49.58 | 30.74 | 26.42 | 42.71 | 43.66 | 47.67 | 25.65 | 30.07 | 28.68 |
| Copa | 10 | 29.54 | 35.05 | 24.71 | 11.55 | 7.11 | 15.52 | 1.63 | 0.81 | 2.80 |
| FillP | 10 | 59.79 | 38.46 | 34.60 | 41.63 | 45.37 | 43.43 | 17.26 | 25.94 | 33.19 |
| Indigo-1-32 | 10 | 43.08 | 45.32 | 56.65 | 18.75 | 13.18 | 17.68 | 1.00 | 0.01 | 0.99 |
| Vivace-latency | 10 | 33.31 | 36.24 | 14.07 | 15.51 | 7.97 | 19.22 | 1.73 | 0.07 | 2.78 |
| Vivace-loss | 10 | 70.64 | 26.73 | 17.25 | 42.05 | 40.78 | 37.00 | 3.27 | 2.82 | 2.72 |
| Vivace-LTE | 10 | 50.88 | 41.36 | 24.45 | 35.59 | 35.03 | 35.27 | 1.85 | 1.51 | 1.69 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-02-13 17:02:59
End at: 2018-02-13 17:03:29
Local clock offset: -5.165 ms
Remote clock offset: -5.367 ms

# Below is generated by plot.py at 2018-02-13 20:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 12.067 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 11.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 14.630 ms
Loss rate: 0.00%
```

Run 1: Report of TCP BBR — Data Link

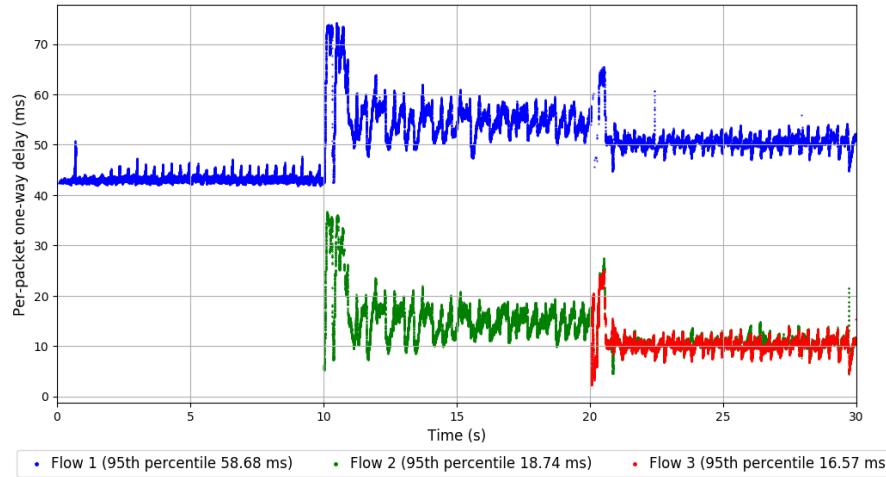
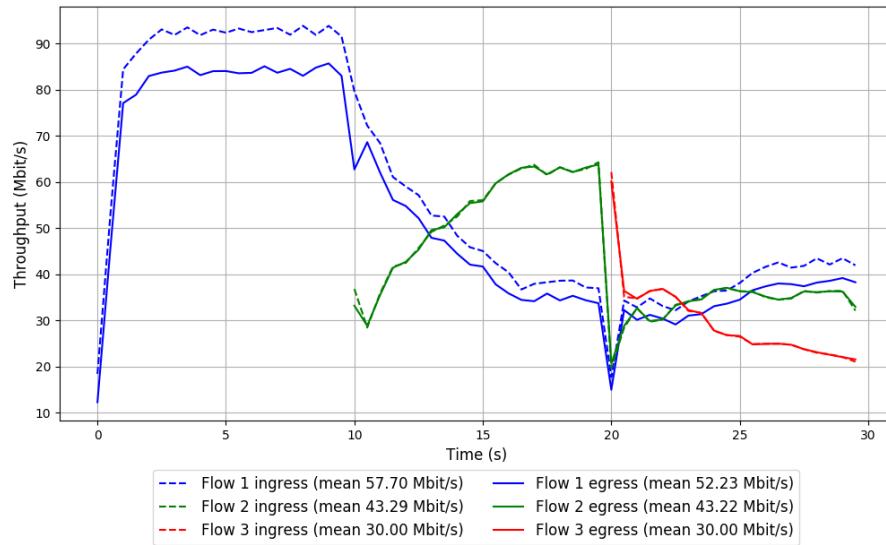


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-13 17:23:29
End at: 2018-02-13 17:23:59
Local clock offset: -4.353 ms
Remote clock offset: -4.682 ms

# Below is generated by plot.py at 2018-02-13 20:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 56.927 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 58.676 ms
Loss rate: 9.58%
-- Flow 2:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 18.744 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 16.566 ms
Loss rate: 0.00%
```

Run 2: Report of TCP BBR — Data Link

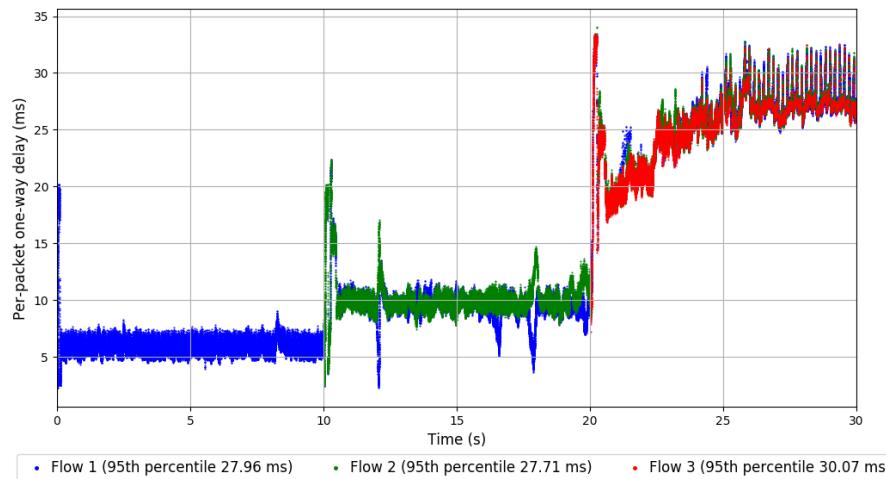
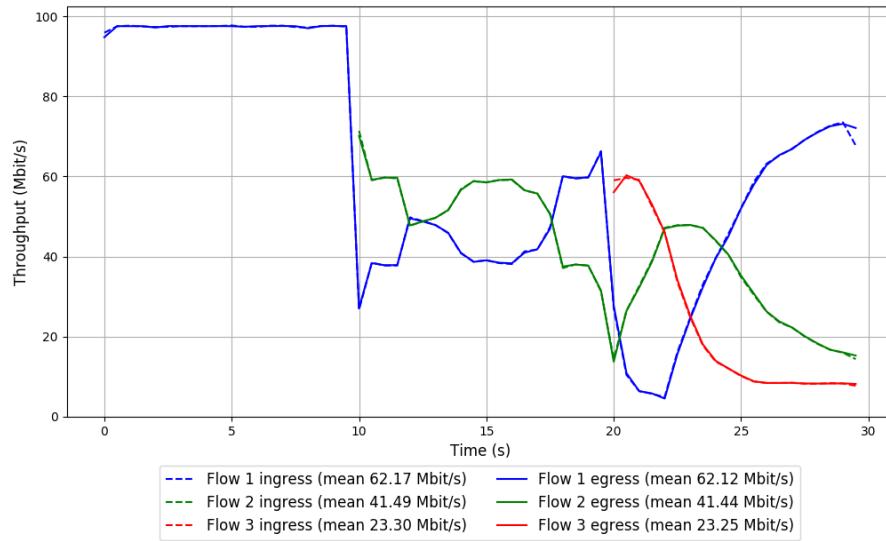


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-13 17:43:55
End at: 2018-02-13 17:44:25
Local clock offset: -3.471 ms
Remote clock offset: -4.425 ms

# Below is generated by plot.py at 2018-02-13 20:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 27.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 27.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 27.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 30.067 ms
Loss rate: 0.03%
```

Run 3: Report of TCP BBR — Data Link

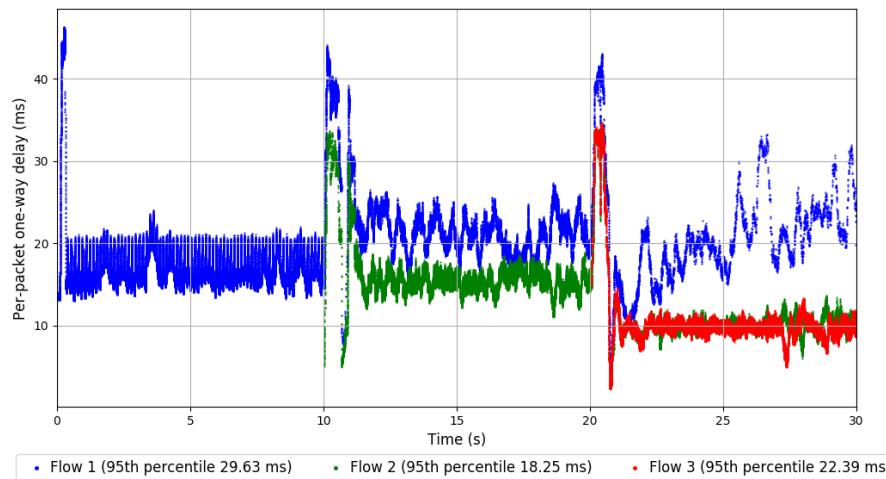
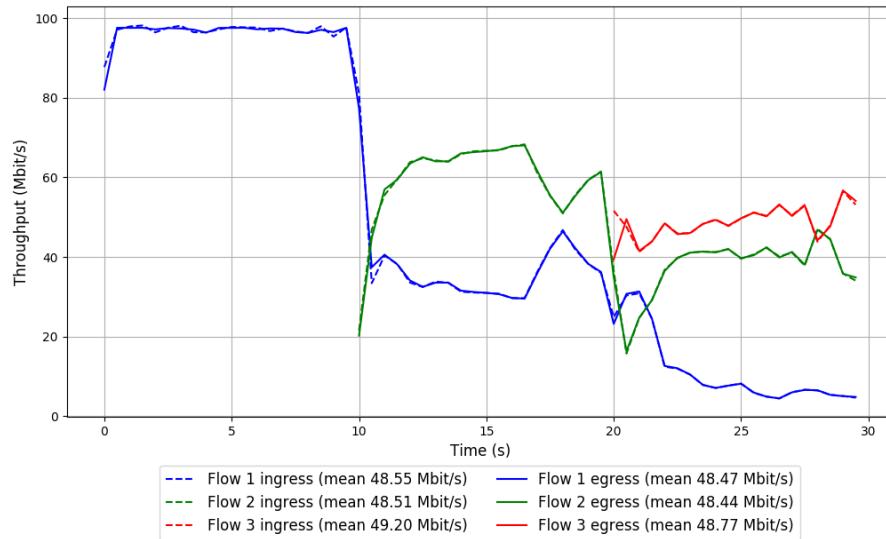


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-13 18:04:23
End at: 2018-02-13 18:04:53
Local clock offset: -4.0 ms
Remote clock offset: -4.314 ms

# Below is generated by plot.py at 2018-02-13 20:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 25.079 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 29.632 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 18.255 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 48.77 Mbit/s
95th percentile per-packet one-way delay: 22.386 ms
Loss rate: 0.94%
```

Run 4: Report of TCP BBR — Data Link

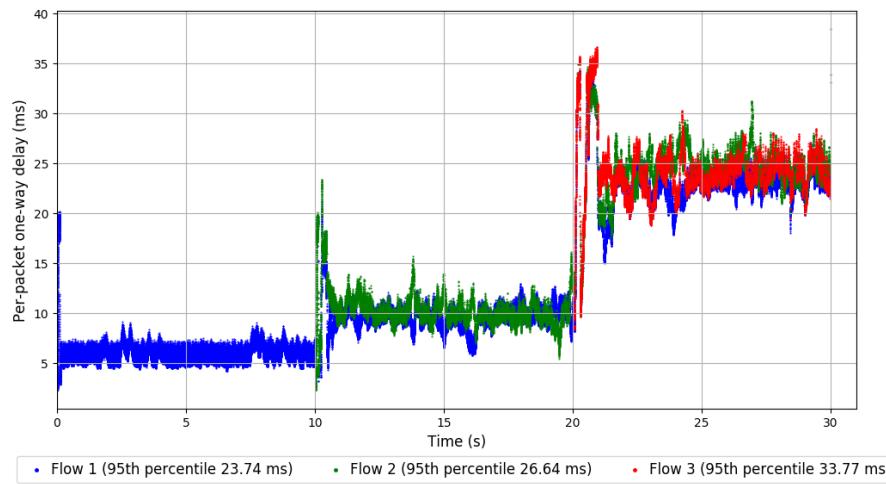
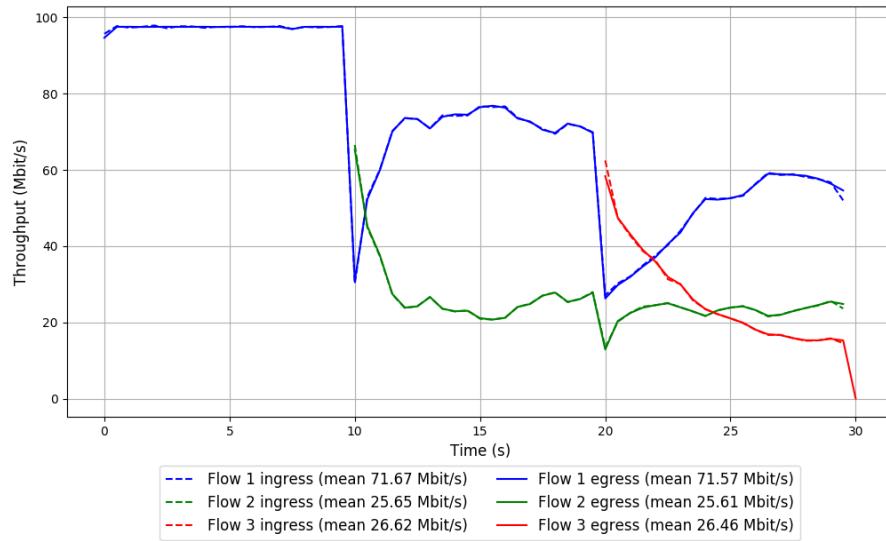


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-13 18:24:49
End at: 2018-02-13 18:25:19
Local clock offset: -3.979 ms
Remote clock offset: -4.144 ms

# Below is generated by plot.py at 2018-02-13 20:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 25.429 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 23.737 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 26.638 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 33.771 ms
Loss rate: 0.35%
```

Run 5: Report of TCP BBR — Data Link

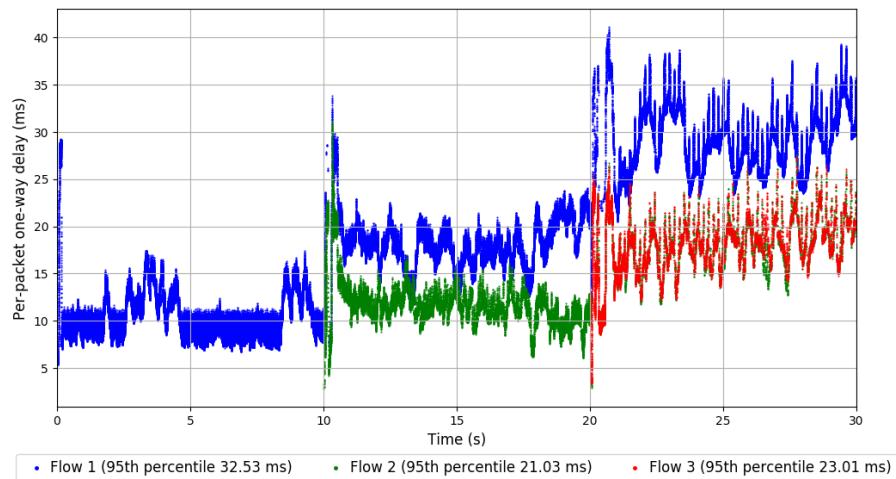
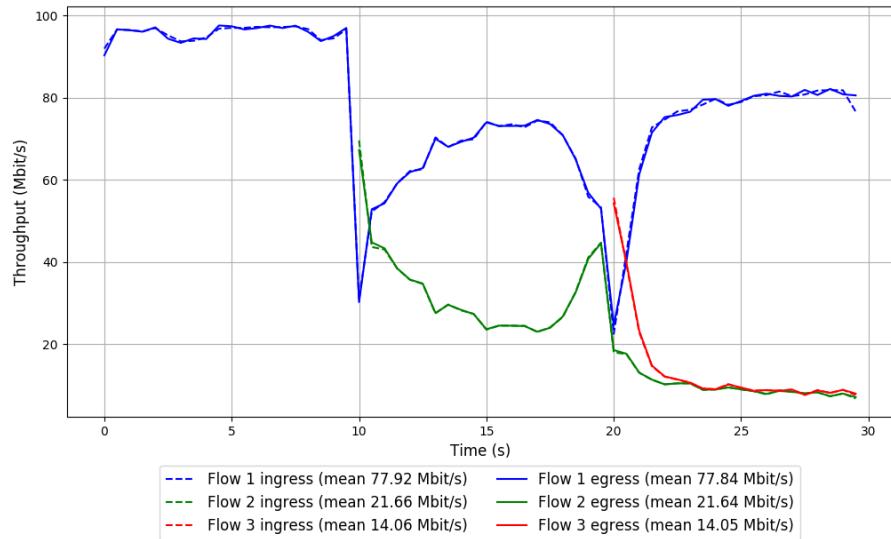


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-13 18:45:15
End at: 2018-02-13 18:45:45
Local clock offset: -4.691 ms
Remote clock offset: -4.028 ms

# Below is generated by plot.py at 2018-02-13 20:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 32.533 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 21.029 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 23.009 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link

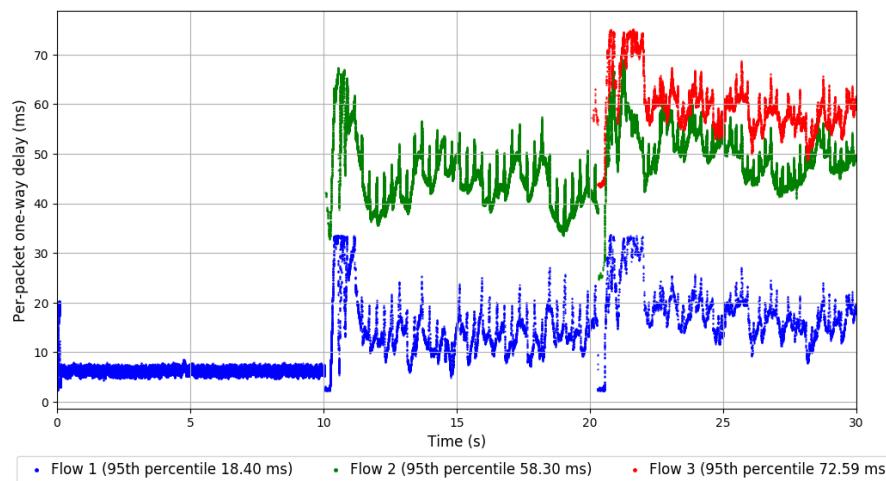
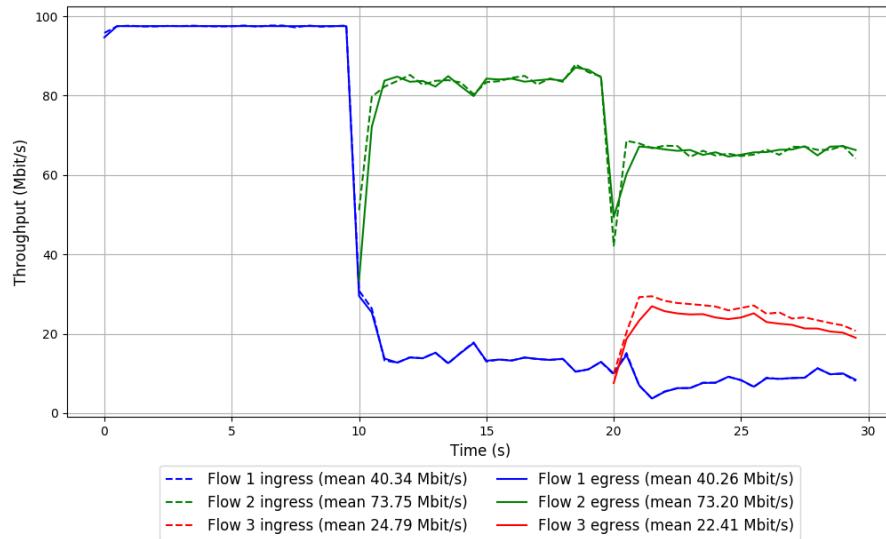


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-13 19:05:48
End at: 2018-02-13 19:06:18
Local clock offset: -4.502 ms
Remote clock offset: -4.214 ms

# Below is generated by plot.py at 2018-02-13 20:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 59.924 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: 18.403 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 73.20 Mbit/s
95th percentile per-packet one-way delay: 58.301 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 72.590 ms
Loss rate: 9.92%
```

Run 7: Report of TCP BBR — Data Link

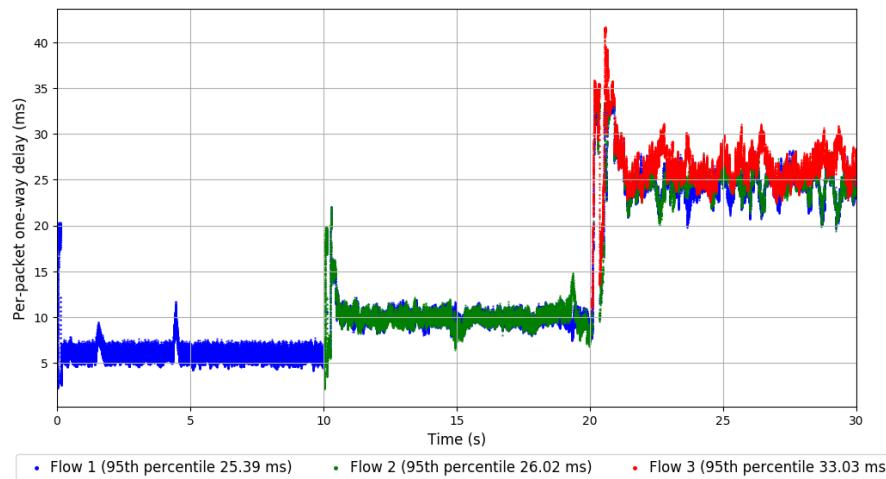
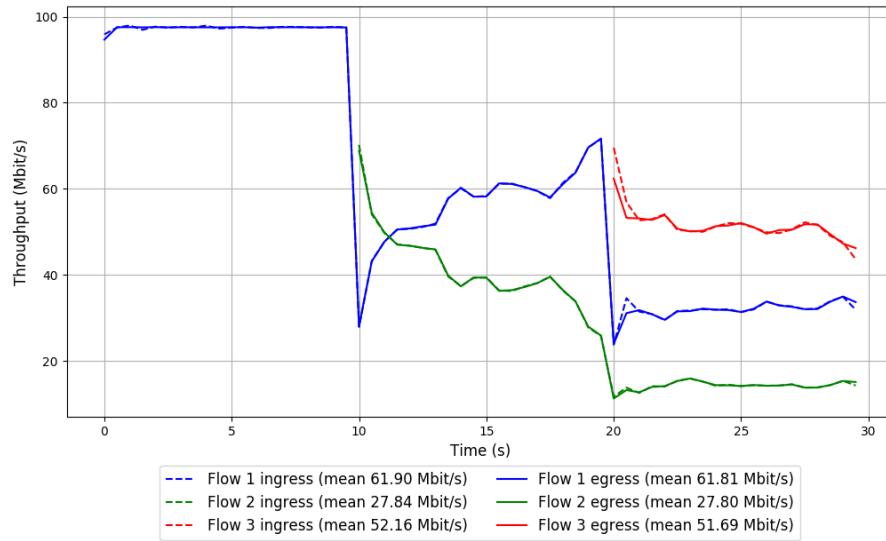


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-13 19:26:17
End at: 2018-02-13 19:26:47
Local clock offset: -4.237 ms
Remote clock offset: -4.181 ms

# Below is generated by plot.py at 2018-02-13 20:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 27.881 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 25.389 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 26.019 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 33.028 ms
Loss rate: 0.77%
```

Run 8: Report of TCP BBR — Data Link

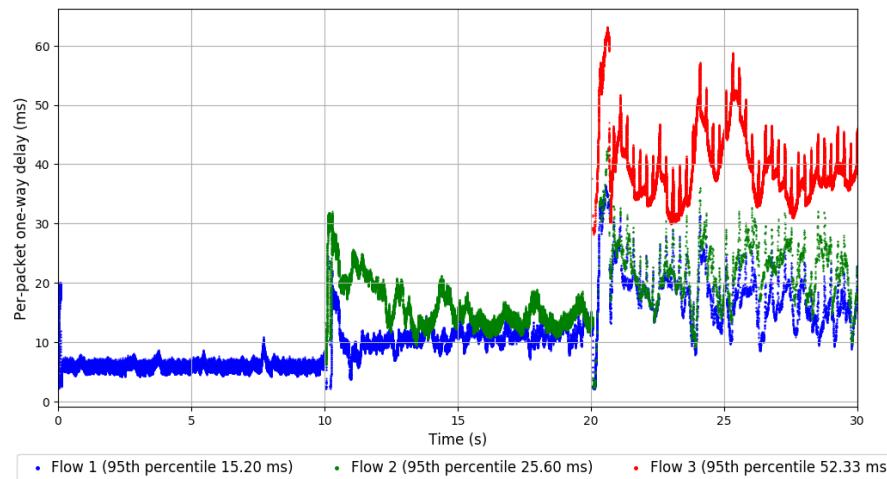
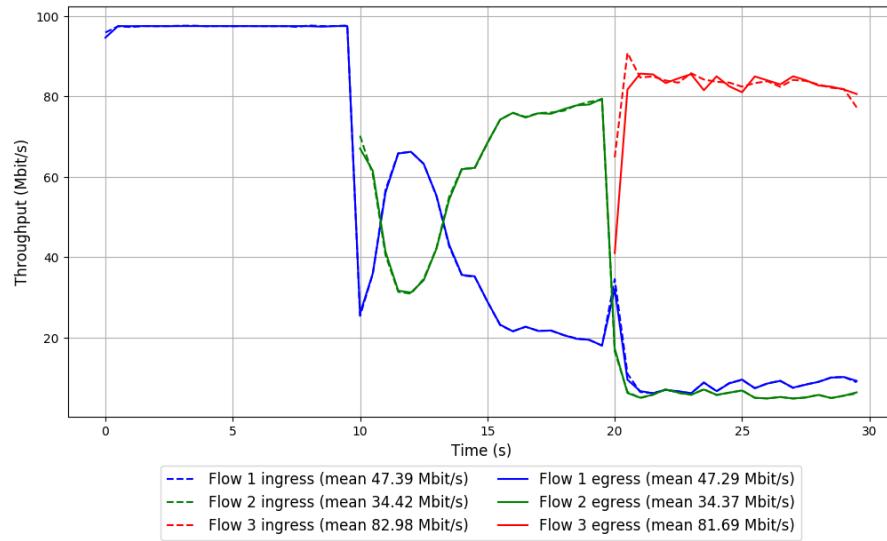


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-13 19:46:45
End at: 2018-02-13 19:47:15
Local clock offset: -5.258 ms
Remote clock offset: -3.568 ms

# Below is generated by plot.py at 2018-02-13 20:45:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 45.195 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 15.195 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 25.600 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 81.69 Mbit/s
95th percentile per-packet one-way delay: 52.328 ms
Loss rate: 1.70%
```

Run 9: Report of TCP BBR — Data Link

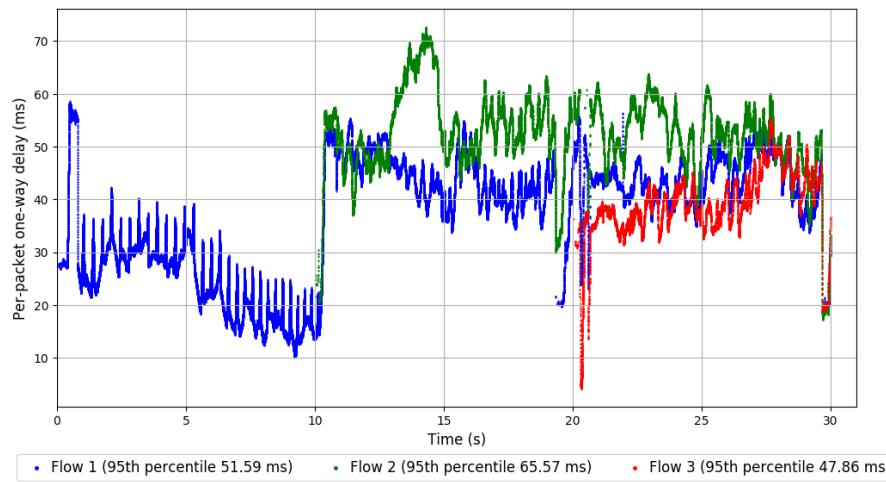
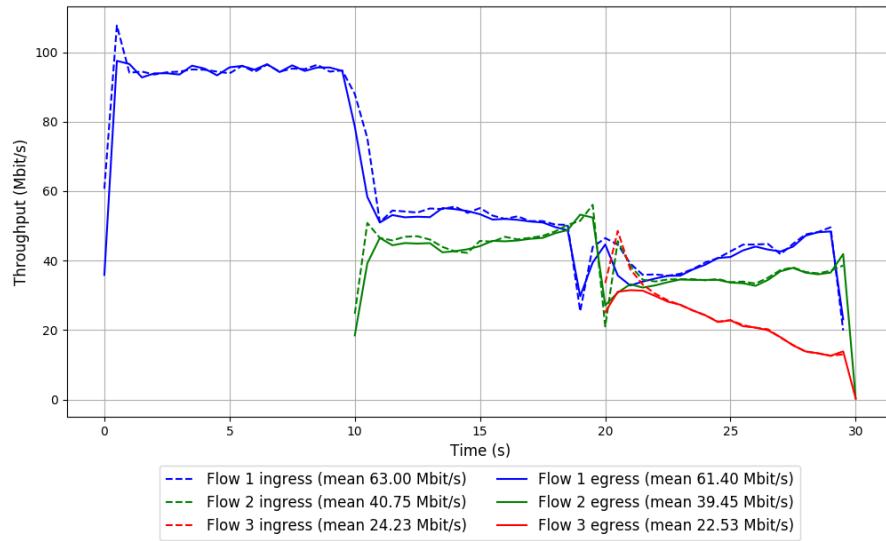


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-02-13 20:07:18
End at: 2018-02-13 20:07:48
Local clock offset: 14.546 ms
Remote clock offset: -4.683 ms

# Below is generated by plot.py at 2018-02-13 20:45:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 58.393 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 51.592 ms
Loss rate: 2.57%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 65.572 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 47.861 ms
Loss rate: 7.06%
```

Run 10: Report of TCP BBR — Data Link

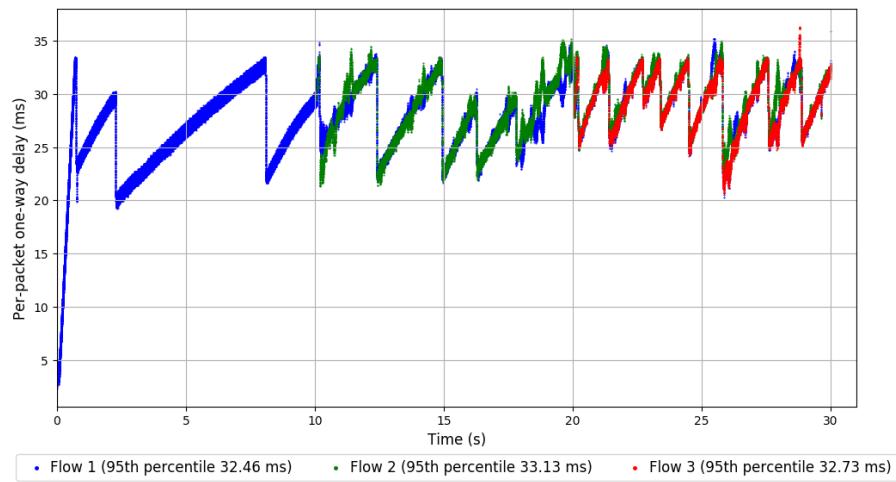
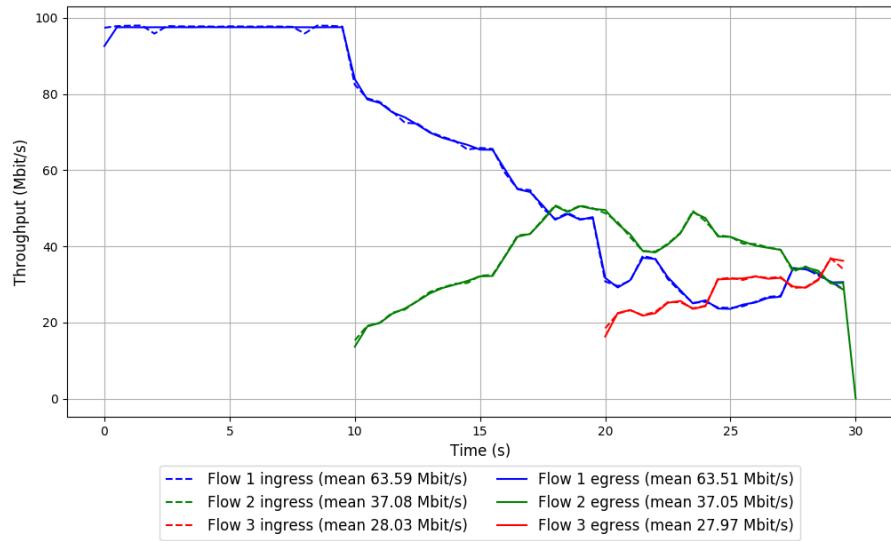


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-02-13 16:55:06
End at: 2018-02-13 16:55:36
Local clock offset: -5.187 ms
Remote clock offset: -5.217 ms

# Below is generated by plot.py at 2018-02-13 20:45:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.712 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.51 Mbit/s
95th percentile per-packet one-way delay: 32.457 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 33.128 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 32.729 ms
Loss rate: 0.17%
```

Run 1: Report of TCP Cubic — Data Link

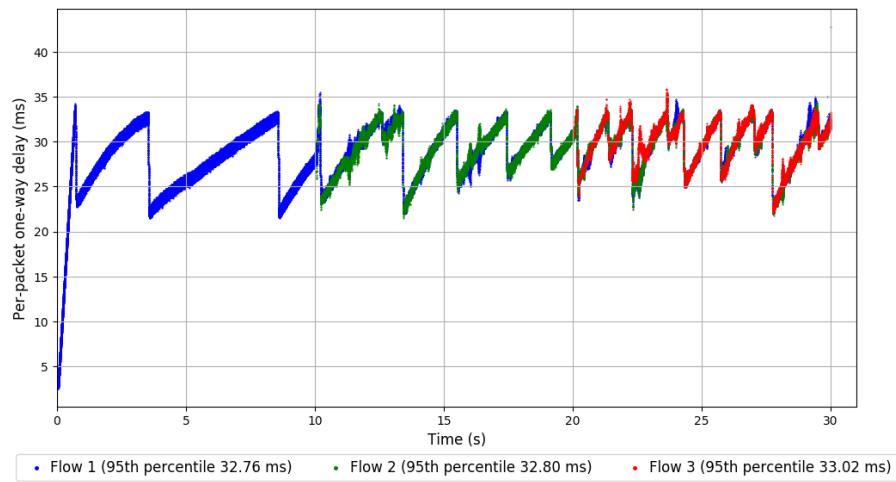
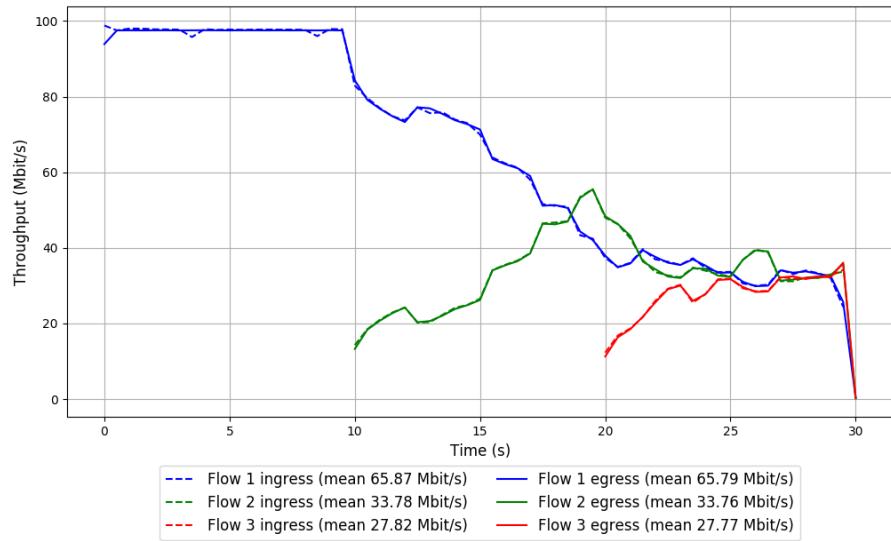


Run 2: Statistics of TCP Cubic

```
Start at: 2018-02-13 17:15:36
End at: 2018-02-13 17:16:06
Local clock offset: -4.975 ms
Remote clock offset: -4.791 ms

# Below is generated by plot.py at 2018-02-13 20:45:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 65.79 Mbit/s
95th percentile per-packet one-way delay: 32.755 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 32.804 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 27.77 Mbit/s
95th percentile per-packet one-way delay: 33.025 ms
Loss rate: 0.07%
```

Run 2: Report of TCP Cubic — Data Link

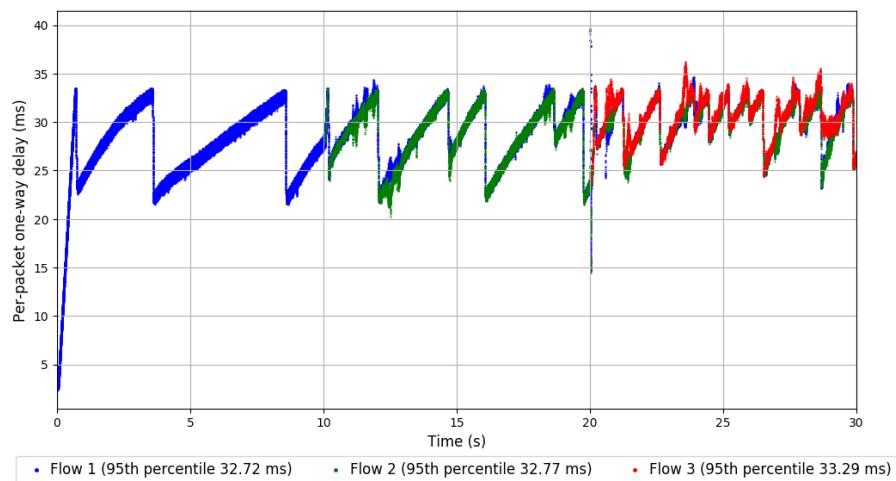
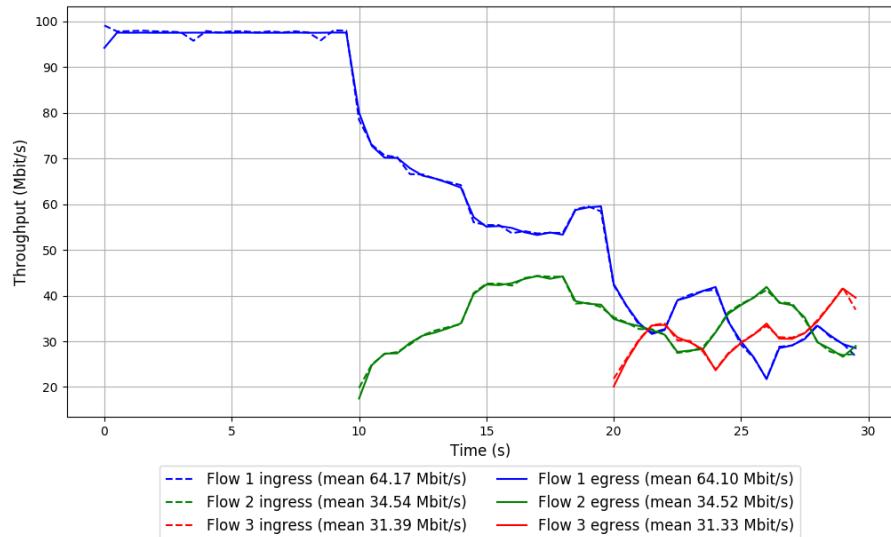


Run 3: Statistics of TCP Cubic

```
Start at: 2018-02-13 17:36:04
End at: 2018-02-13 17:36:34
Local clock offset: -3.795 ms
Remote clock offset: -4.53 ms

# Below is generated by plot.py at 2018-02-13 20:45:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.776 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 32.716 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 32.768 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 33.289 ms
Loss rate: 0.09%
```

Run 3: Report of TCP Cubic — Data Link

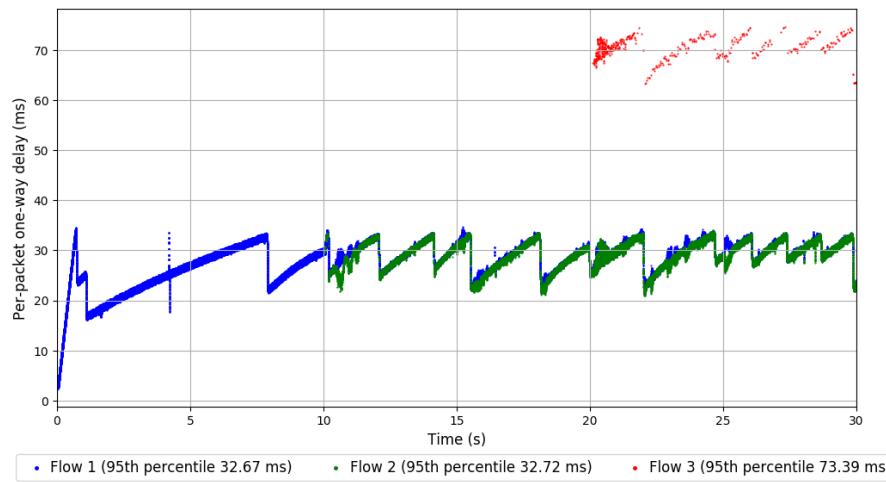
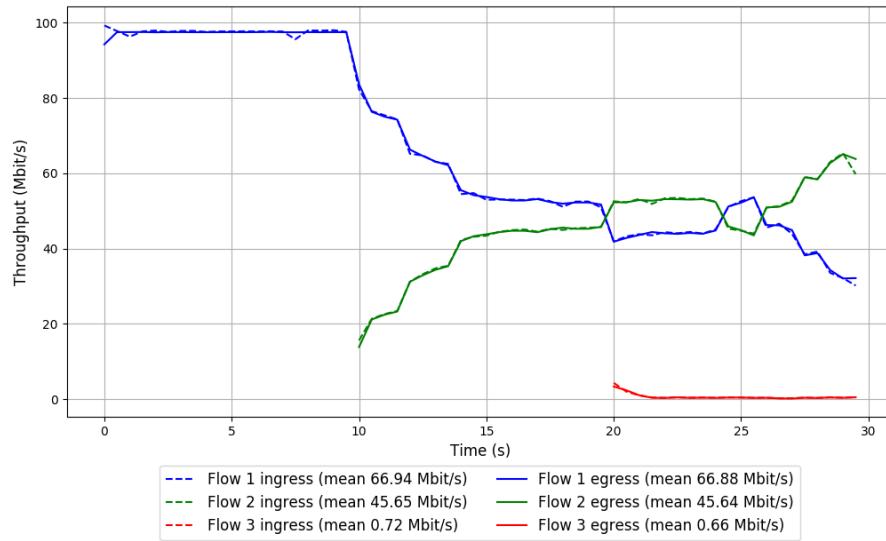


Run 4: Statistics of TCP Cubic

```
Start at: 2018-02-13 17:56:31
End at: 2018-02-13 17:57:01
Local clock offset: -3.796 ms
Remote clock offset: -4.299 ms

# Below is generated by plot.py at 2018-02-13 20:45:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 32.708 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 32.672 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 32.719 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 73.394 ms
Loss rate: 9.39%
```

Run 4: Report of TCP Cubic — Data Link

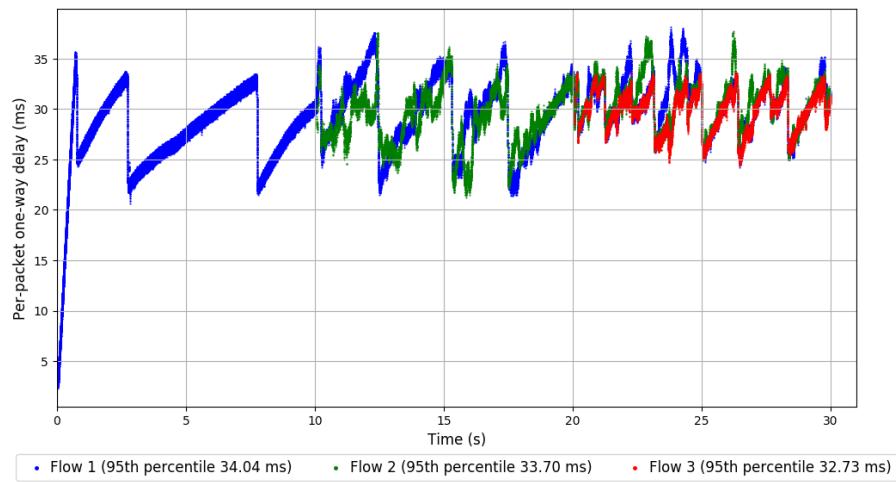
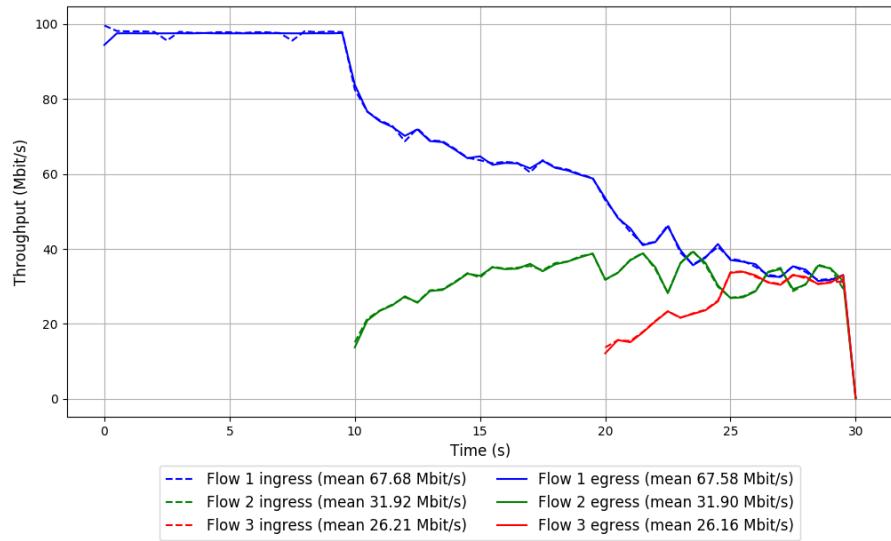


Run 5: Statistics of TCP Cubic

```
Start at: 2018-02-13 18:16:57
End at: 2018-02-13 18:17:27
Local clock offset: -3.965 ms
Remote clock offset: -4.169 ms

# Below is generated by plot.py at 2018-02-13 20:45:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 33.899 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 67.58 Mbit/s
95th percentile per-packet one-way delay: 34.037 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 33.699 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 32.728 ms
Loss rate: 0.18%
```

Run 5: Report of TCP Cubic — Data Link

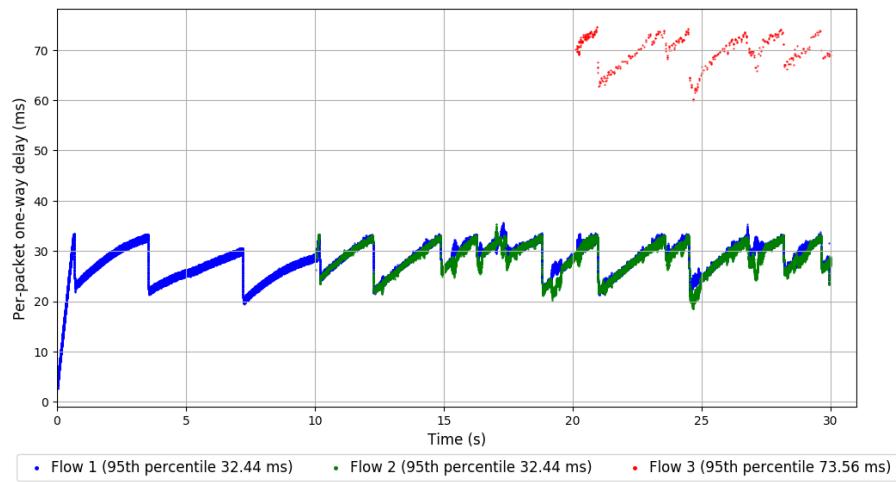
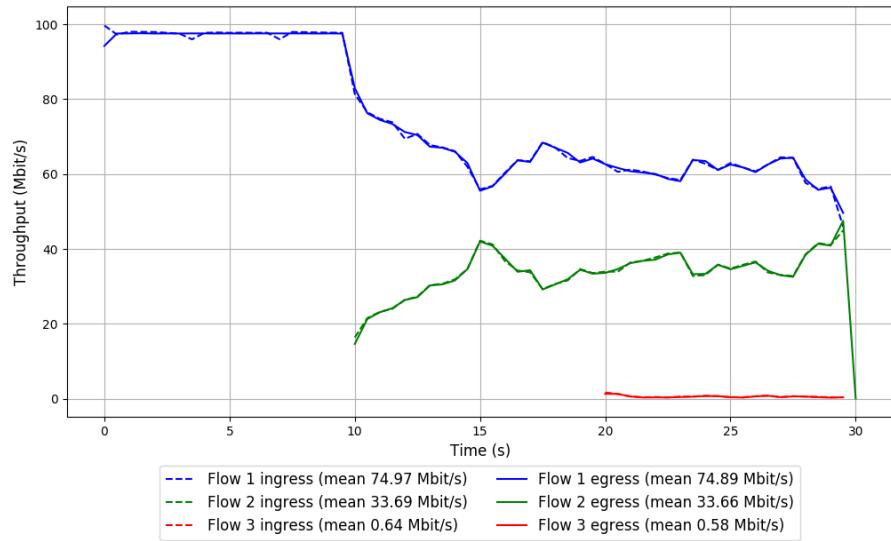


Run 6: Statistics of TCP Cubic

```
Start at: 2018-02-13 18:37:25
End at: 2018-02-13 18:37:55
Local clock offset: -4.408 ms
Remote clock offset: -4.073 ms

# Below is generated by plot.py at 2018-02-13 20:45:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.458 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 74.89 Mbit/s
95th percentile per-packet one-way delay: 32.438 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 32.438 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 73.555 ms
Loss rate: 8.96%
```

Run 6: Report of TCP Cubic — Data Link

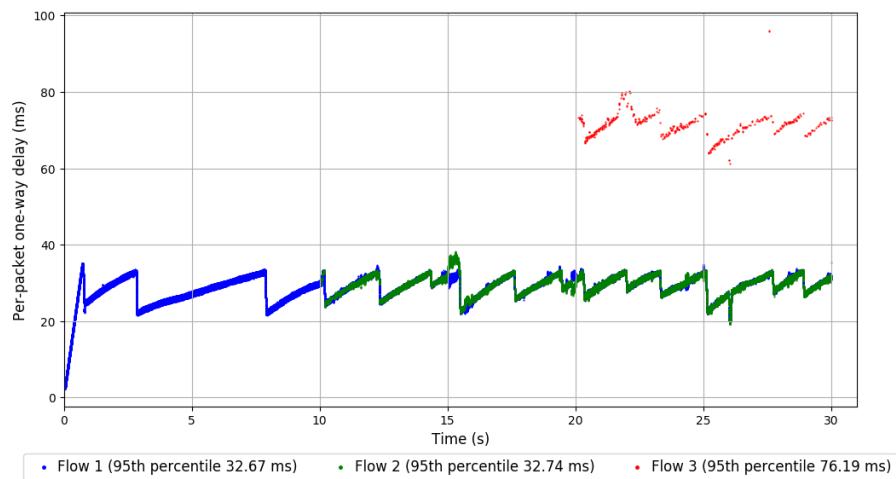
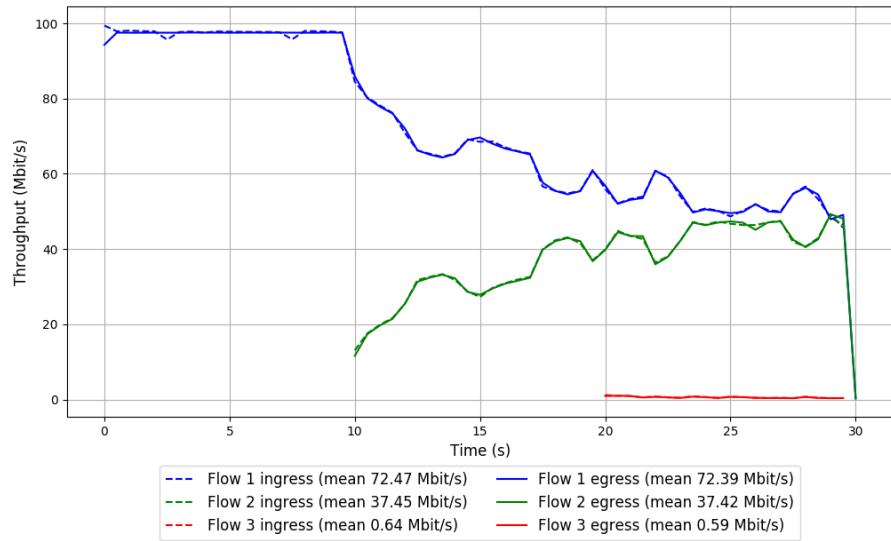


Run 7: Statistics of TCP Cubic

```
Start at: 2018-02-13 18:57:53
End at: 2018-02-13 18:58:23
Local clock offset: -4.78 ms
Remote clock offset: -4.132 ms

# Below is generated by plot.py at 2018-02-13 20:47:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.702 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 32.667 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 37.42 Mbit/s
95th percentile per-packet one-way delay: 32.740 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 76.186 ms
Loss rate: 7.44%
```

Run 7: Report of TCP Cubic — Data Link

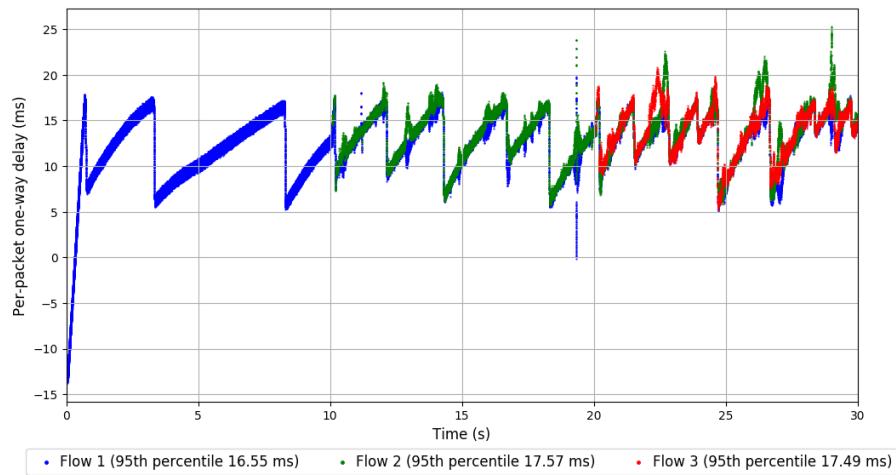
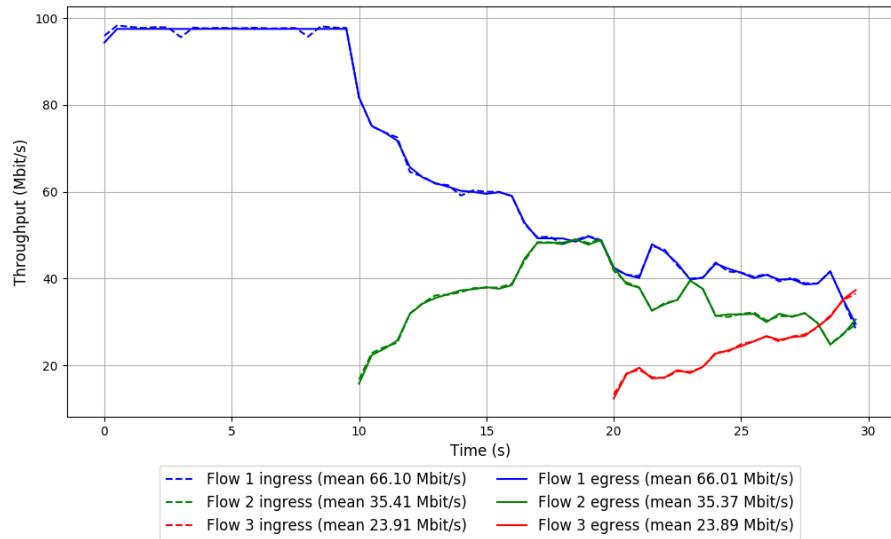


Run 8: Statistics of TCP Cubic

```
Start at: 2018-02-13 19:18:23
End at: 2018-02-13 19:18:53
Local clock offset: -4.394 ms
Remote clock offset: -20.459 ms

# Below is generated by plot.py at 2018-02-13 20:47:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 16.815 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 66.01 Mbit/s
95th percentile per-packet one-way delay: 16.547 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 17.569 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 17.487 ms
Loss rate: 0.07%
```

Run 8: Report of TCP Cubic — Data Link

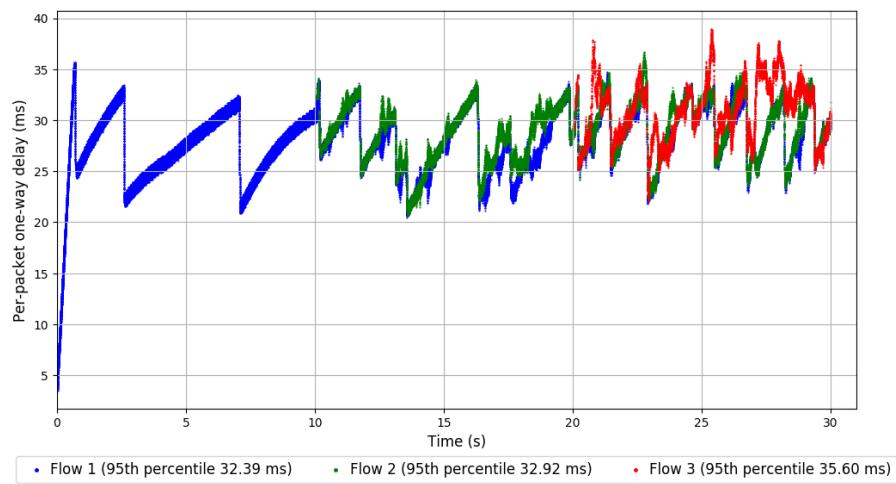
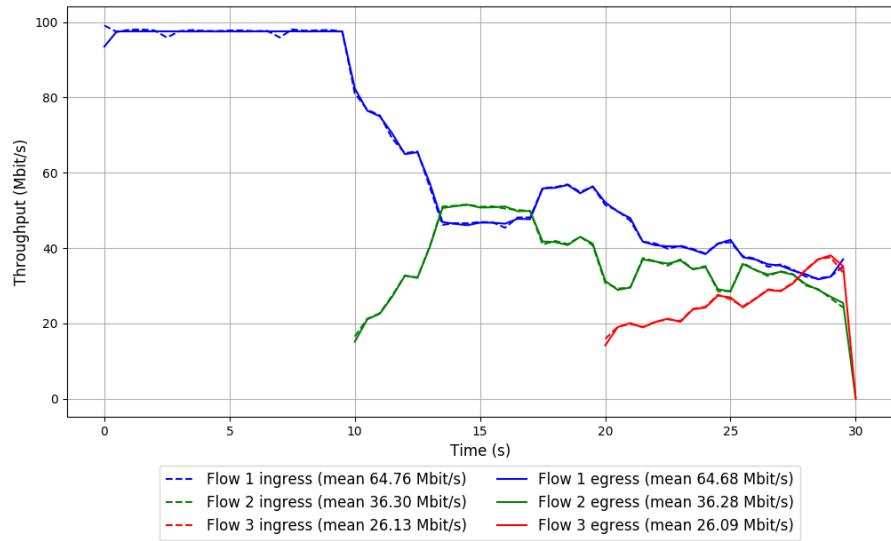


Run 9: Statistics of TCP Cubic

```
Start at: 2018-02-13 19:38:51
End at: 2018-02-13 19:39:21
Local clock offset: -4.833 ms
Remote clock offset: -3.588 ms

# Below is generated by plot.py at 2018-02-13 20:47:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.889 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.68 Mbit/s
95th percentile per-packet one-way delay: 32.386 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 32.916 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 35.605 ms
Loss rate: 0.14%
```

Run 9: Report of TCP Cubic — Data Link

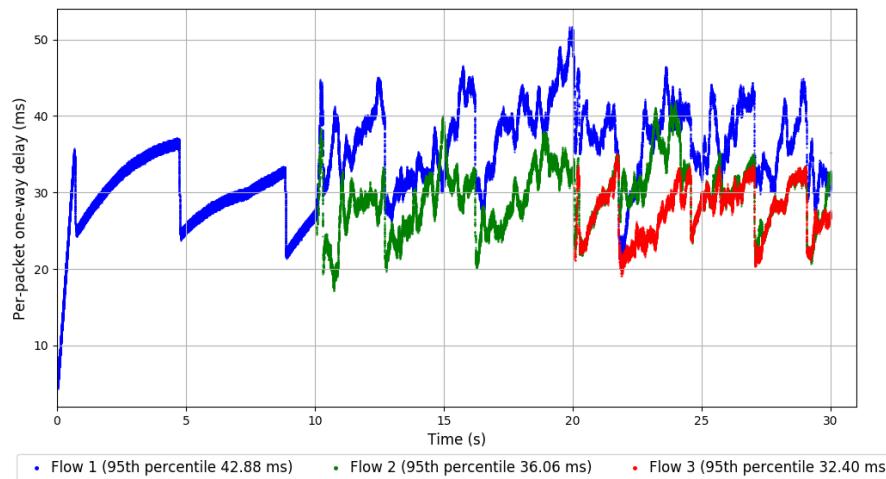
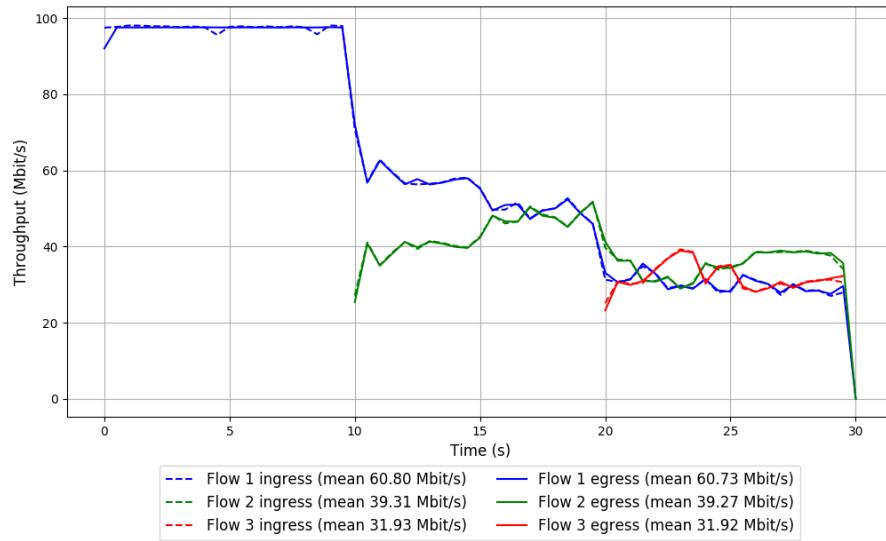


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-02-13 19:59:18
End at: 2018-02-13 19:59:48
Local clock offset: -5.559 ms
Remote clock offset: -3.783 ms

# Below is generated by plot.py at 2018-02-13 20:47:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 41.578 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 42.883 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 36.061 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 32.398 ms
Loss rate: 0.07%
```

Run 10: Report of TCP Cubic — Data Link

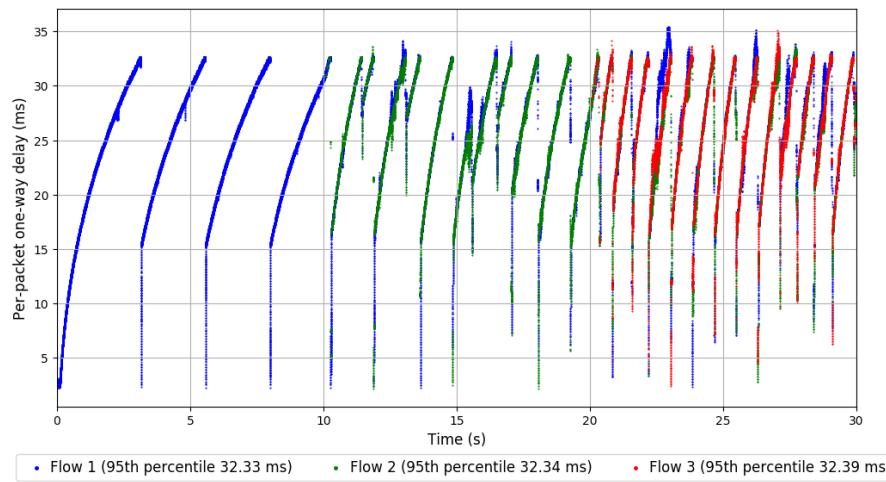
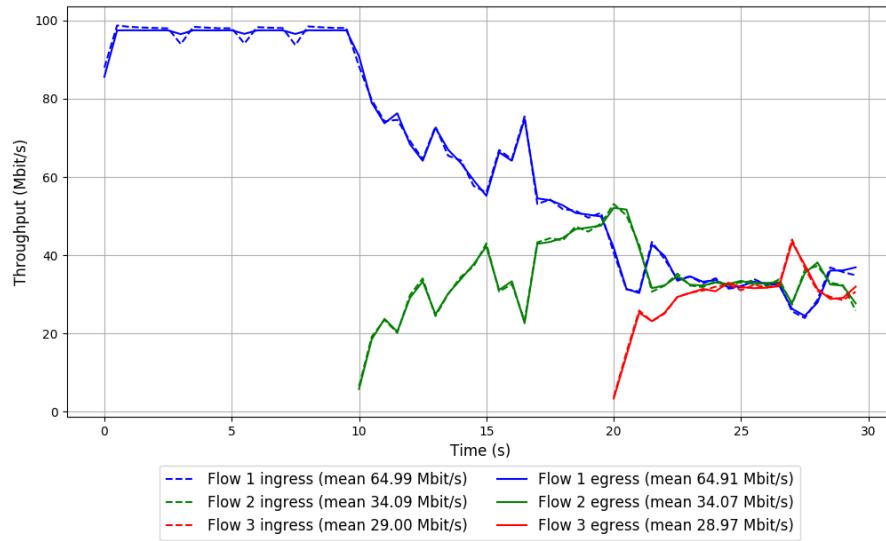


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-02-13 16:59:36
End at: 2018-02-13 17:00:06
Local clock offset: -5.118 ms
Remote clock offset: -5.291 ms

# Below is generated by plot.py at 2018-02-13 20:47:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.342 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 32.327 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 32.345 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 32.394 ms
Loss rate: 0.09%
```

Run 1: Report of LEDBAT — Data Link

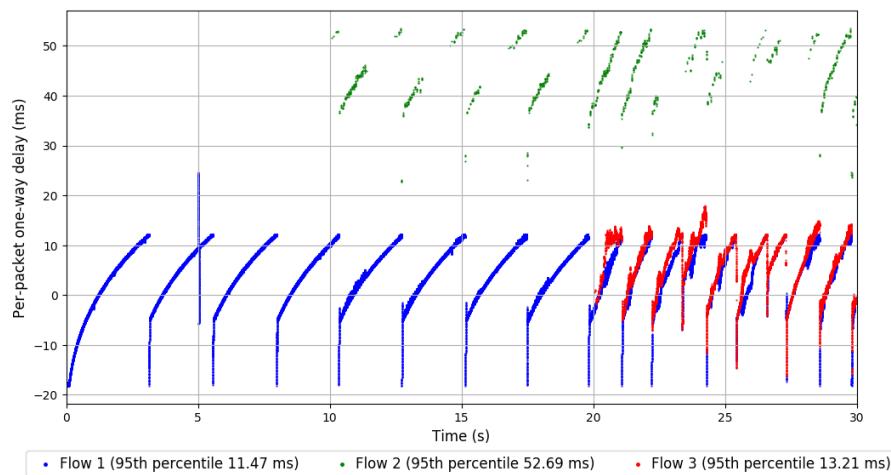
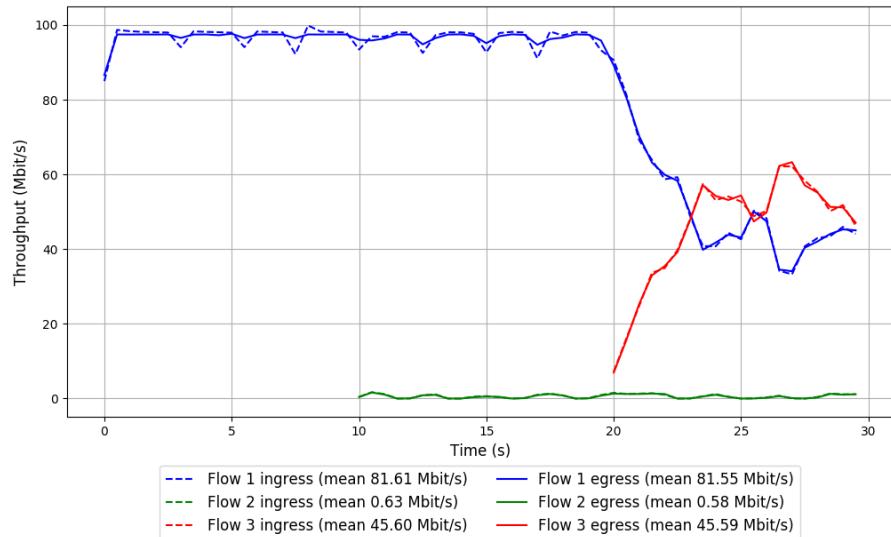


Run 2: Statistics of LEDBAT

```
Start at: 2018-02-13 17:20:06
End at: 2018-02-13 17:20:36
Local clock offset: -4.535 ms
Remote clock offset: -25.219 ms

# Below is generated by plot.py at 2018-02-13 20:47:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 11.740 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 81.55 Mbit/s
95th percentile per-packet one-way delay: 11.473 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 52.685 ms
Loss rate: 7.99%
-- Flow 3:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 13.210 ms
Loss rate: 0.03%
```

Run 2: Report of LEDBAT — Data Link

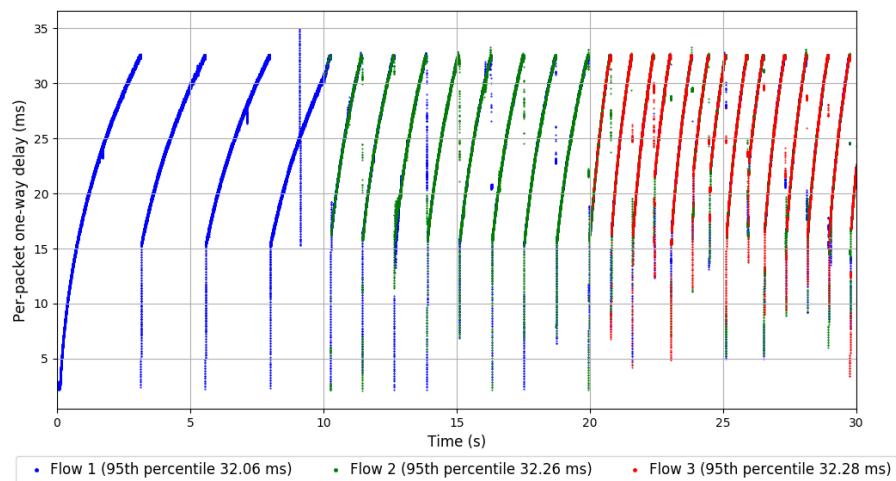
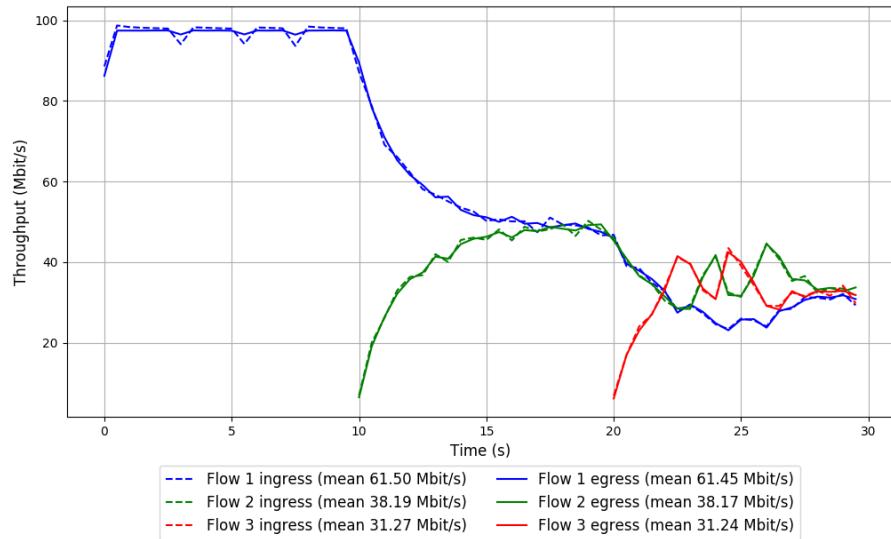


Run 3: Statistics of LEDBAT

```
Start at: 2018-02-13 17:40:33
End at: 2018-02-13 17:41:03
Local clock offset: -3.667 ms
Remote clock offset: -4.704 ms

# Below is generated by plot.py at 2018-02-13 20:47:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 32.262 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 32.285 ms
Loss rate: 0.06%
```

Run 3: Report of LEDBAT — Data Link

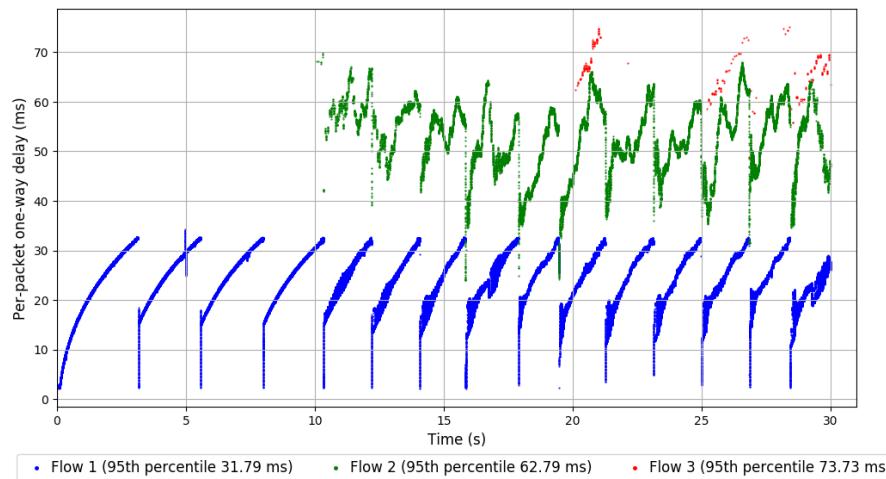
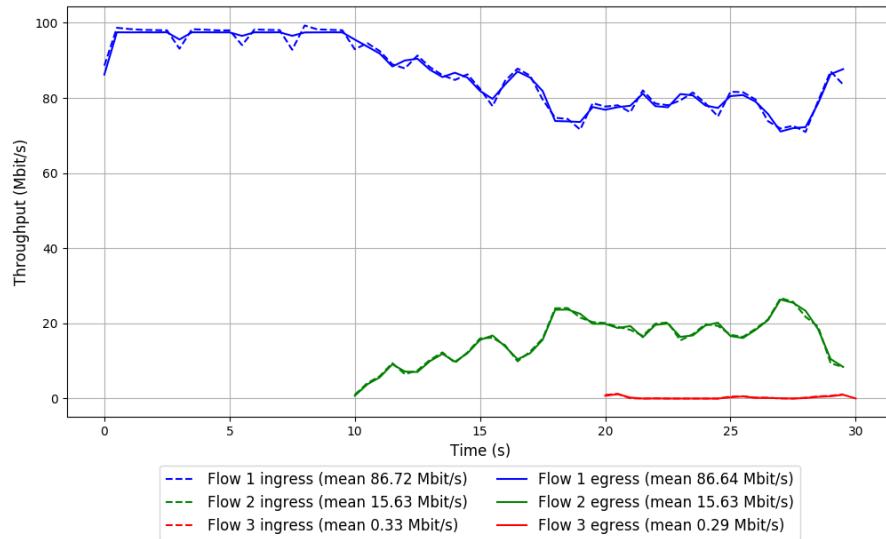


Run 4: Statistics of LEDBAT

```
Start at: 2018-02-13 18:01:00
End at: 2018-02-13 18:01:30
Local clock offset: -3.873 ms
Remote clock offset: -4.356 ms

# Below is generated by plot.py at 2018-02-13 20:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 54.293 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 31.788 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 62.789 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 73.729 ms
Loss rate: 13.44%
```

Run 4: Report of LEDBAT — Data Link

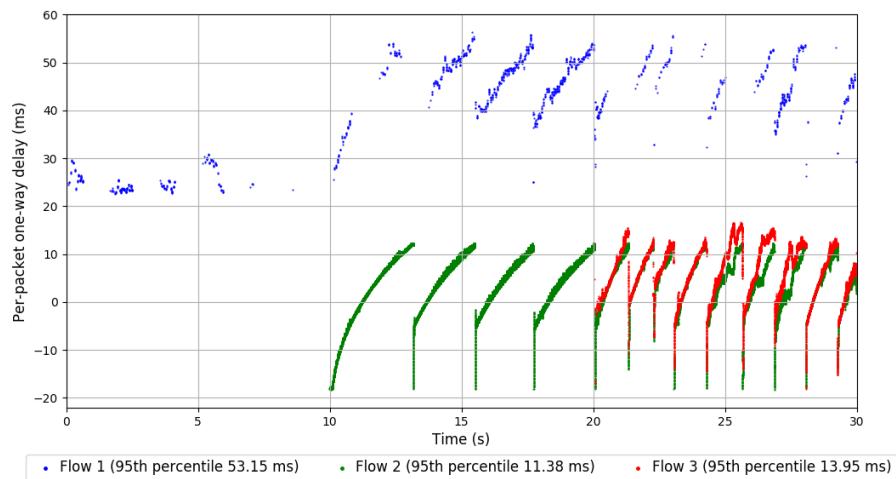
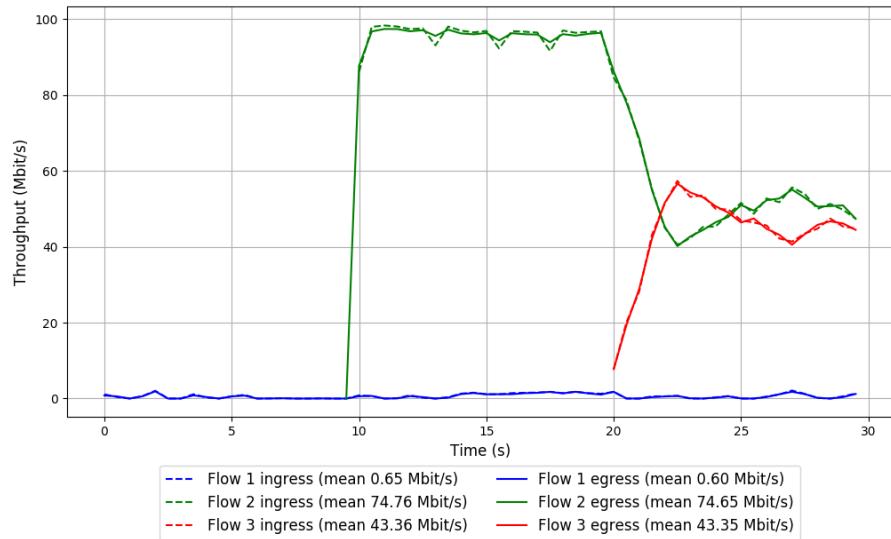


Run 5: Statistics of LEDBAT

```
Start at: 2018-02-13 18:21:27
End at: 2018-02-13 18:21:57
Local clock offset: -3.926 ms
Remote clock offset: -24.692 ms

# Below is generated by plot.py at 2018-02-13 20:47:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 11.969 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 53.151 ms
Loss rate: 8.26%
-- Flow 2:
Average throughput: 74.65 Mbit/s
95th percentile per-packet one-way delay: 11.378 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 43.35 Mbit/s
95th percentile per-packet one-way delay: 13.947 ms
Loss rate: 0.06%
```

Run 5: Report of LEDBAT — Data Link

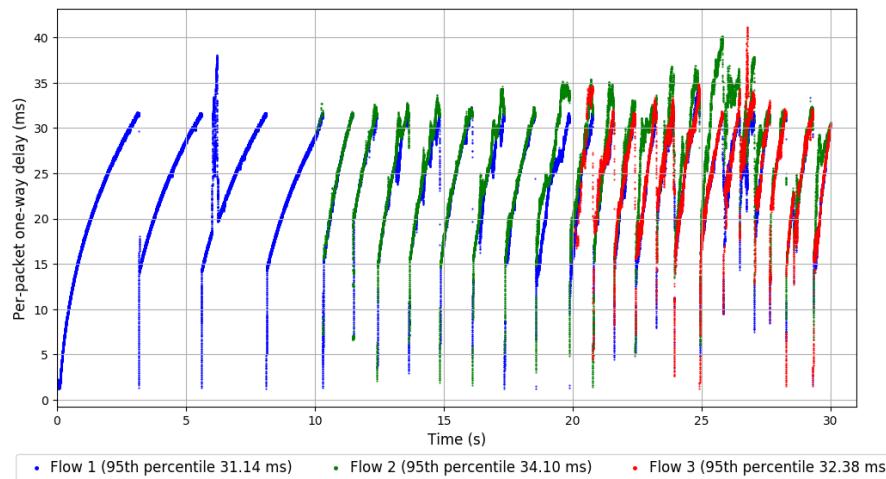
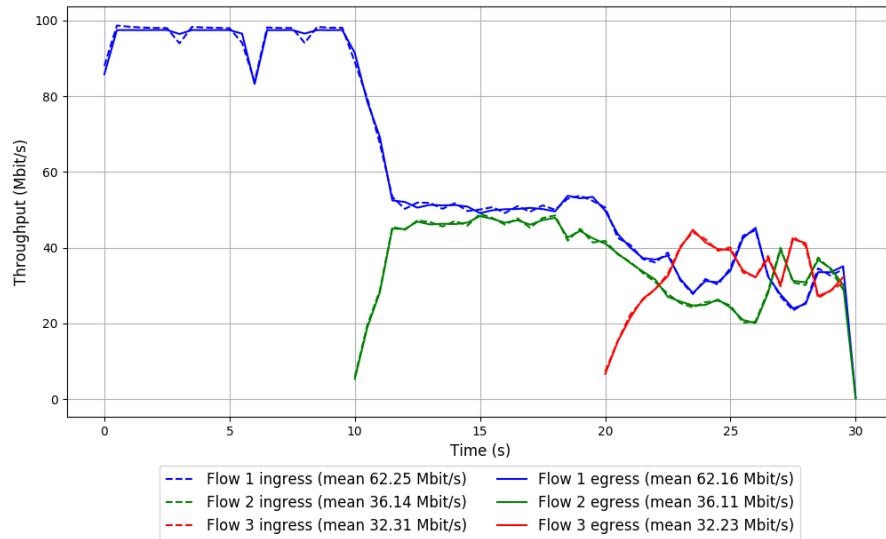


Run 6: Statistics of LEDBAT

```
Start at: 2018-02-13 18:41:52
End at: 2018-02-13 18:42:22
Local clock offset: -4.661 ms
Remote clock offset: -5.127 ms

# Below is generated by plot.py at 2018-02-13 20:48:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 31.646 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 34.100 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 32.379 ms
Loss rate: 0.11%
```

Run 6: Report of LEDBAT — Data Link

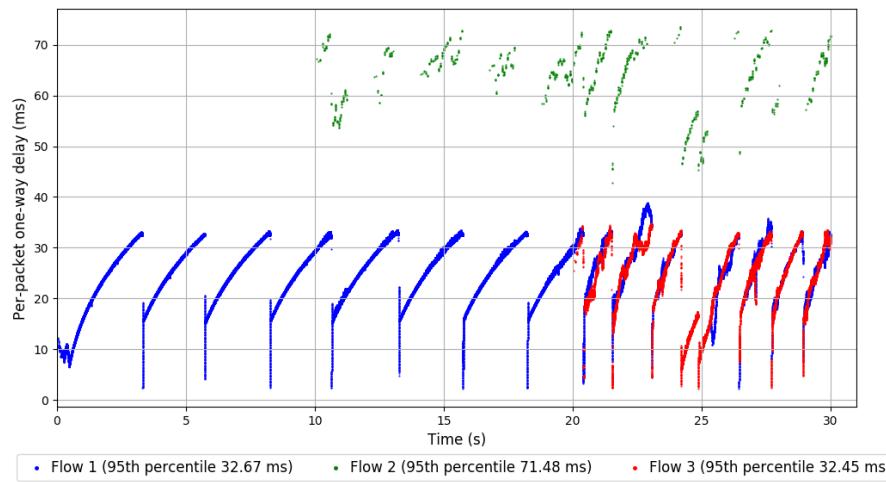
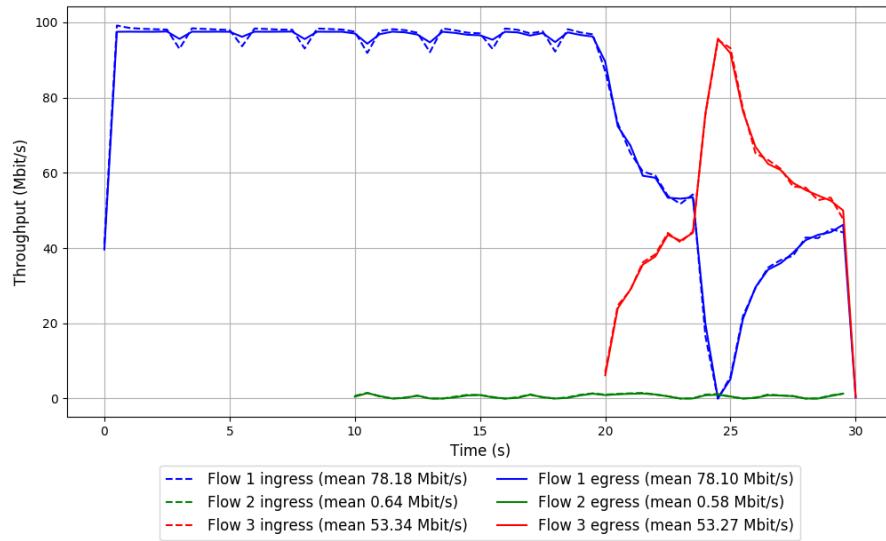


Run 7: Statistics of LEDBAT

```
Start at: 2018-02-13 19:02:23
End at: 2018-02-13 19:02:53
Local clock offset: -4.62 ms
Remote clock offset: -4.185 ms

# Below is generated by plot.py at 2018-02-13 20:48:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 32.676 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 32.675 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 71.476 ms
Loss rate: 10.29%
-- Flow 3:
Average throughput: 53.27 Mbit/s
95th percentile per-packet one-way delay: 32.453 ms
Loss rate: 0.06%
```

Run 7: Report of LEDBAT — Data Link

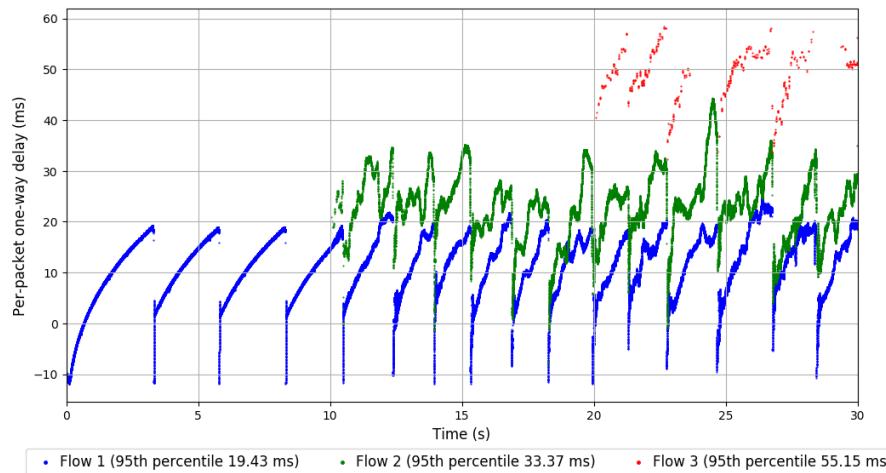
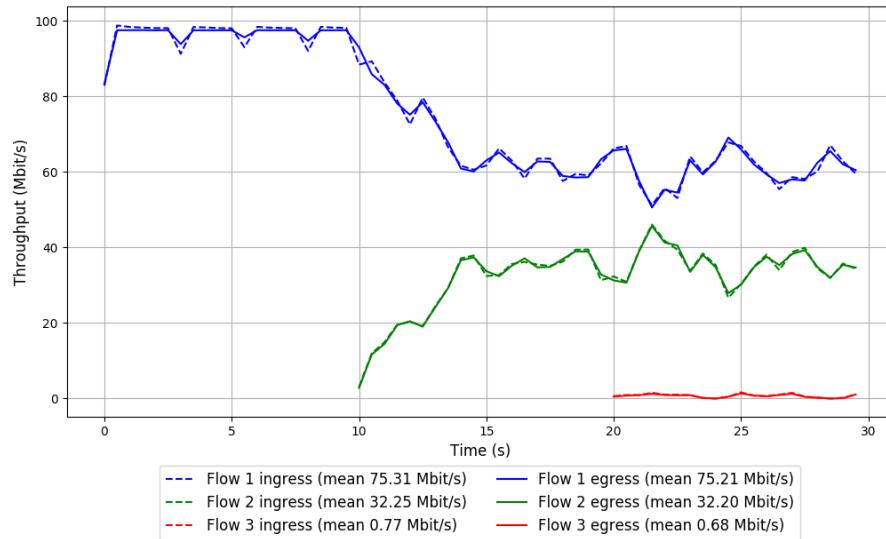


Run 8: Statistics of LEDBAT

```
Start at: 2018-02-13 19:22:53
End at: 2018-02-13 19:23:23
Local clock offset: -4.322 ms
Remote clock offset: -18.595 ms

# Below is generated by plot.py at 2018-02-13 20:48:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 27.181 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 33.366 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 55.146 ms
Loss rate: 11.26%
```

Run 8: Report of LEDBAT — Data Link

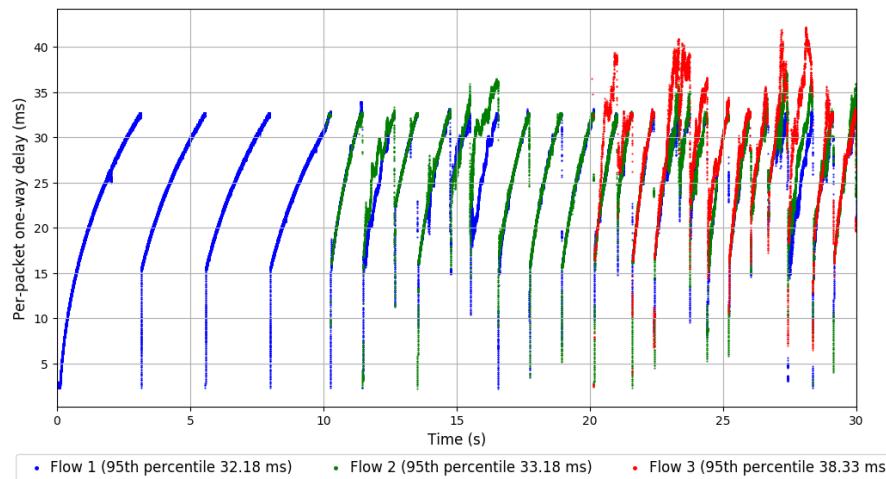
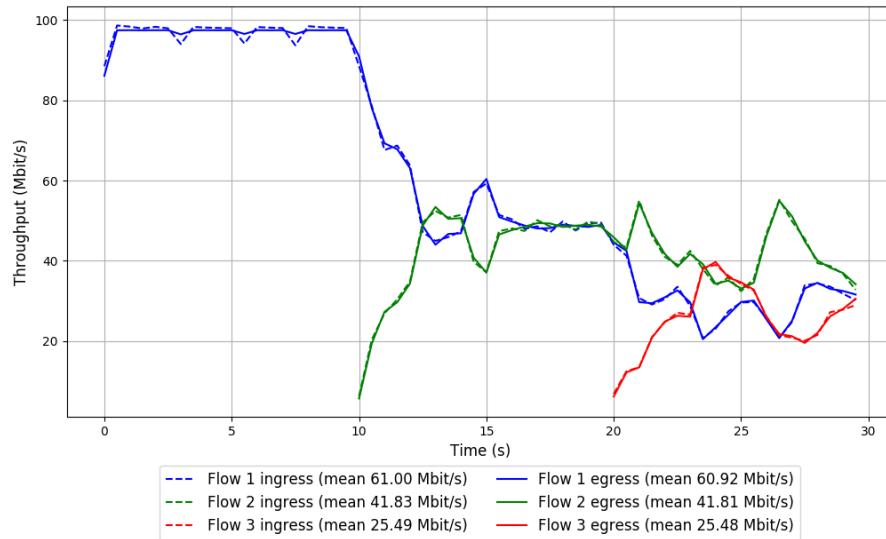


Run 9: Statistics of LEDBAT

```
Start at: 2018-02-13 19:43:22
End at: 2018-02-13 19:43:52
Local clock offset: -5.105 ms
Remote clock offset: -3.508 ms

# Below is generated by plot.py at 2018-02-13 20:48:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.626 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 32.180 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 33.178 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 38.334 ms
Loss rate: 0.10%
```

Run 9: Report of LEDBAT — Data Link

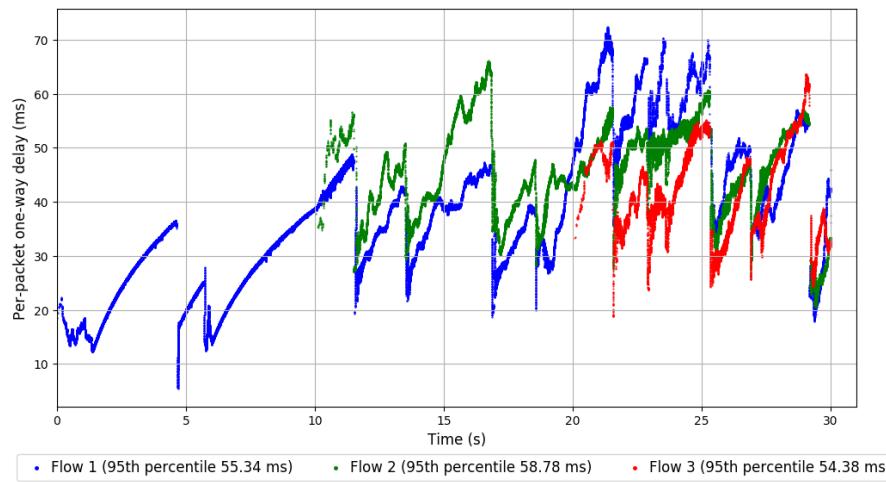
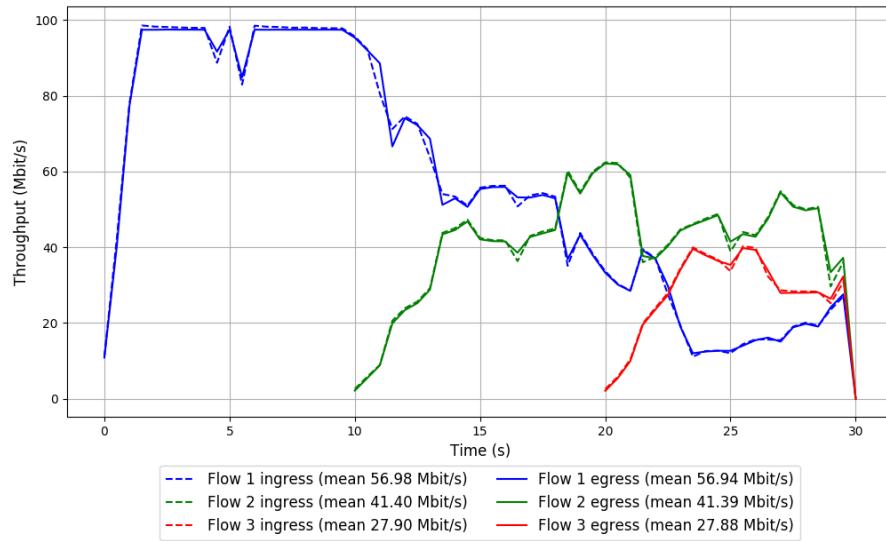


Run 10: Statistics of LEDBAT

```
Start at: 2018-02-13 20:03:49
End at: 2018-02-13 20:04:19
Local clock offset: -3.956 ms
Remote clock offset: -4.306 ms

# Below is generated by plot.py at 2018-02-13 20:48:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 57.071 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 55.345 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 41.39 Mbit/s
95th percentile per-packet one-way delay: 58.785 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 54.378 ms
Loss rate: 0.11%
```

Run 10: Report of LEDBAT — Data Link

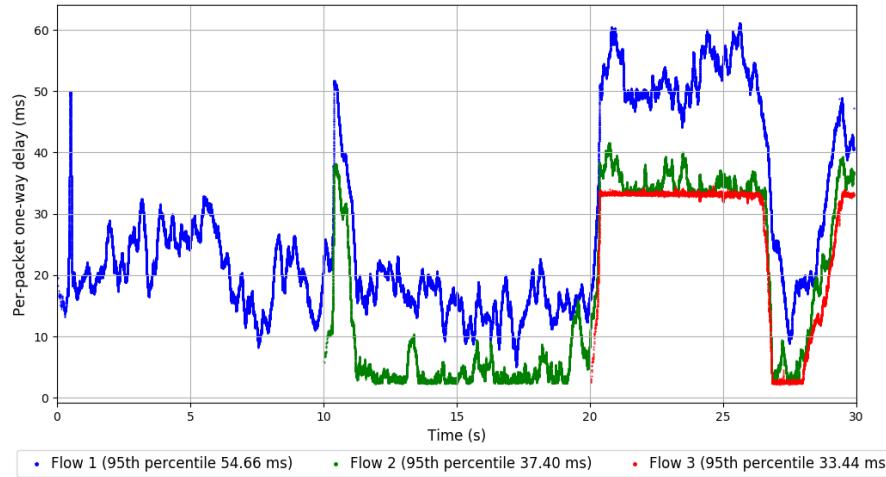
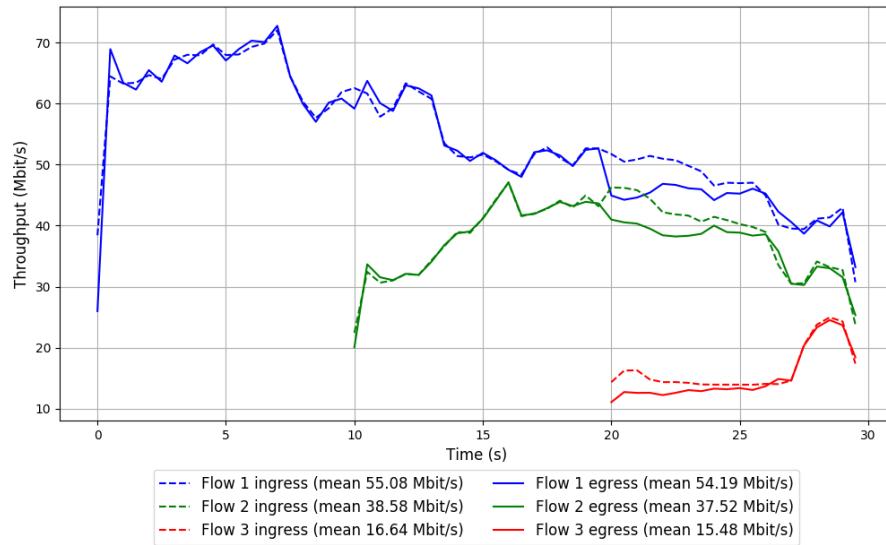


Run 1: Statistics of PCC

```
Start at: 2018-02-13 17:07:35
End at: 2018-02-13 17:08:05
Local clock offset: -5.036 ms
Remote clock offset: -5.256 ms

# Below is generated by plot.py at 2018-02-13 20:48:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 52.640 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 54.19 Mbit/s
95th percentile per-packet one-way delay: 54.658 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 37.400 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 33.439 ms
Loss rate: 6.66%
```

Run 1: Report of PCC — Data Link

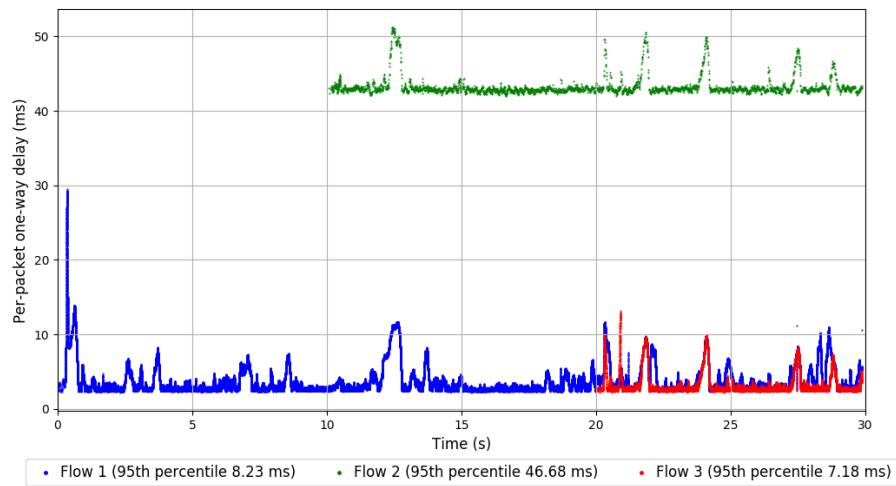
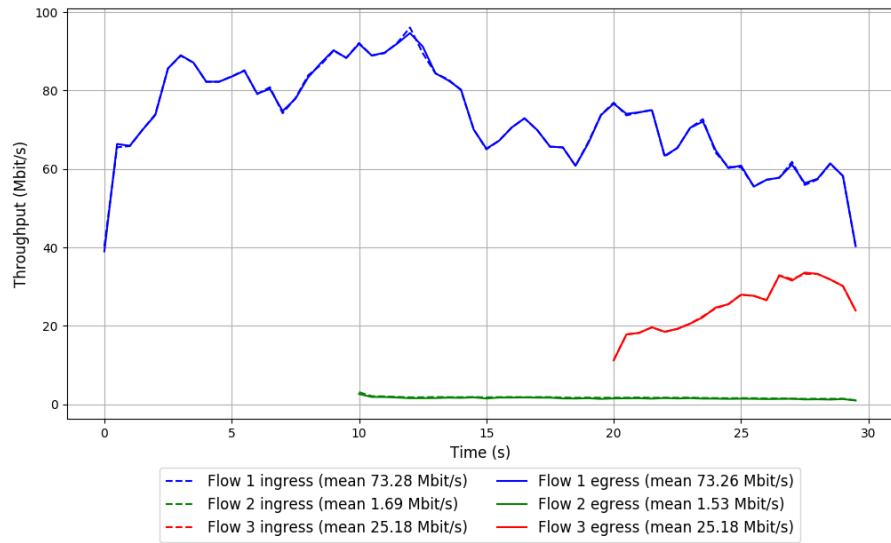


Run 2: Statistics of PCC

```
Start at: 2018-02-13 17:28:06
End at: 2018-02-13 17:28:36
Local clock offset: -4.045 ms
Remote clock offset: -4.543 ms

# Below is generated by plot.py at 2018-02-13 20:48:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 8.958 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 73.26 Mbit/s
95th percentile per-packet one-way delay: 8.233 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 46.682 ms
Loss rate: 9.67%
-- Flow 3:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 7.180 ms
Loss rate: 0.01%
```

Run 2: Report of PCC — Data Link

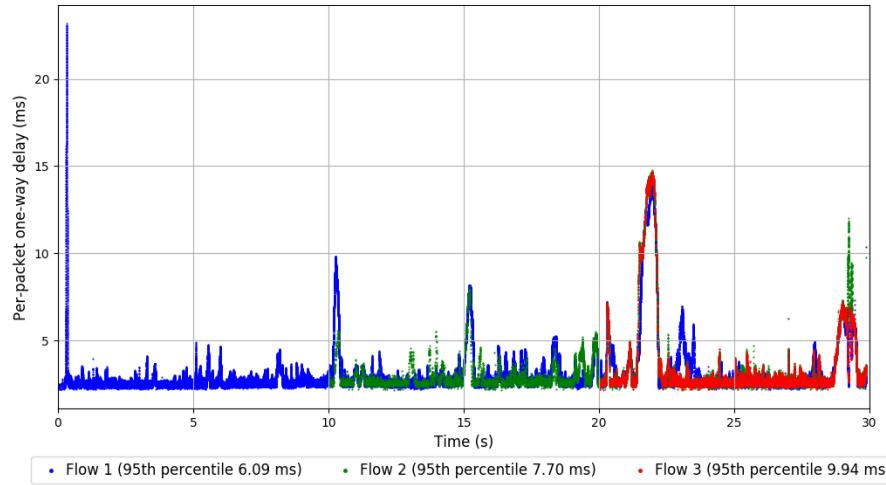
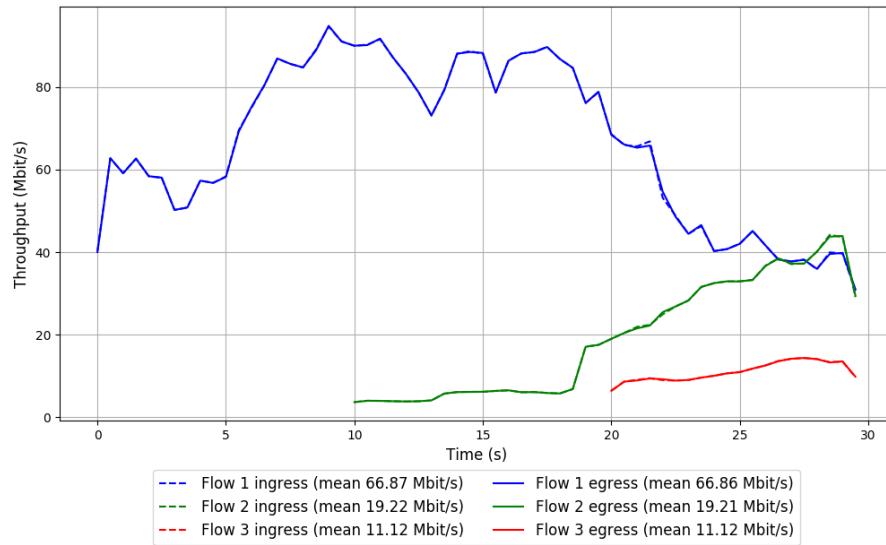


Run 3: Statistics of PCC

```
Start at: 2018-02-13 17:48:31
End at: 2018-02-13 17:49:01
Local clock offset: -3.368 ms
Remote clock offset: -4.357 ms

# Below is generated by plot.py at 2018-02-13 20:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 6.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 6.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 7.704 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 9.938 ms
Loss rate: 0.00%
```

Run 3: Report of PCC — Data Link

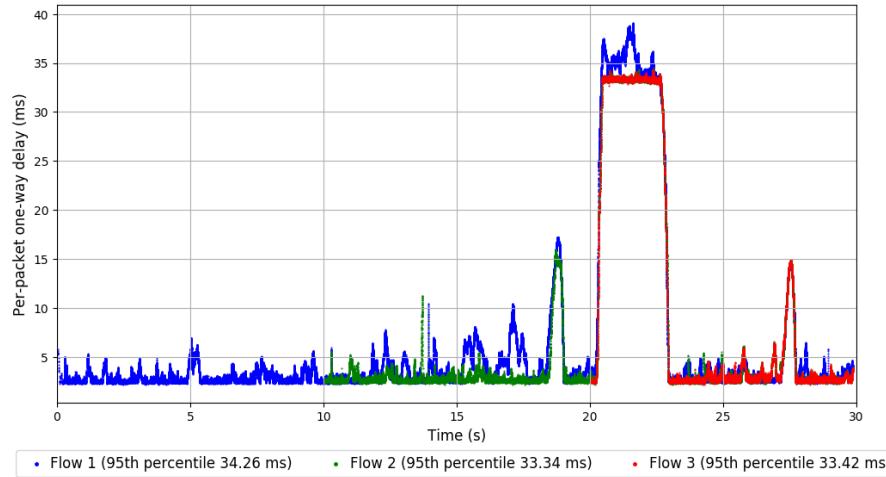
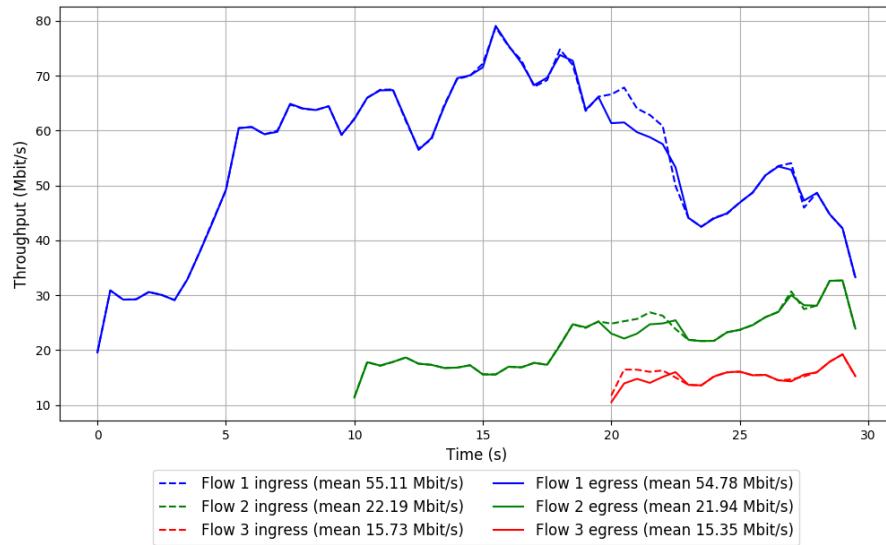


Run 4: Statistics of PCC

```
Start at: 2018-02-13 18:08:58
End at: 2018-02-13 18:09:28
Local clock offset: -3.987 ms
Remote clock offset: -4.232 ms

# Below is generated by plot.py at 2018-02-13 20:49:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 33.716 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 34.258 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 33.339 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 33.422 ms
Loss rate: 2.44%
```

Run 4: Report of PCC — Data Link

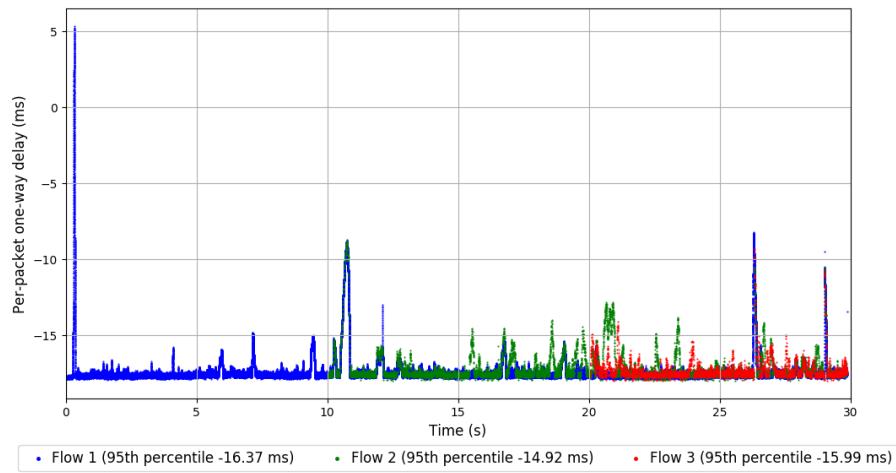
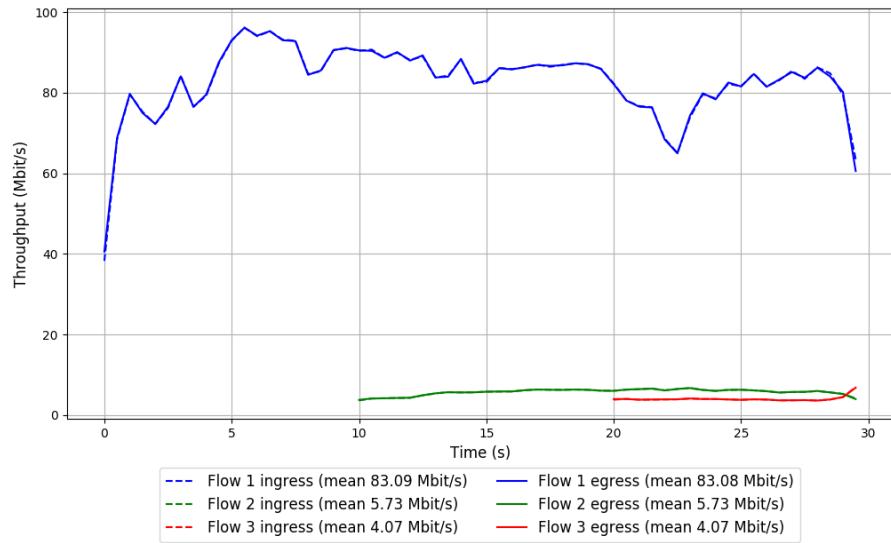


Run 5: Statistics of PCC

```
Start at: 2018-02-13 18:29:25
End at: 2018-02-13 18:29:55
Local clock offset: -4.322 ms
Remote clock offset: -24.23 ms

# Below is generated by plot.py at 2018-02-13 20:49:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: -16.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: -16.369 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: -14.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: -15.987 ms
Loss rate: 0.00%
```

Run 5: Report of PCC — Data Link

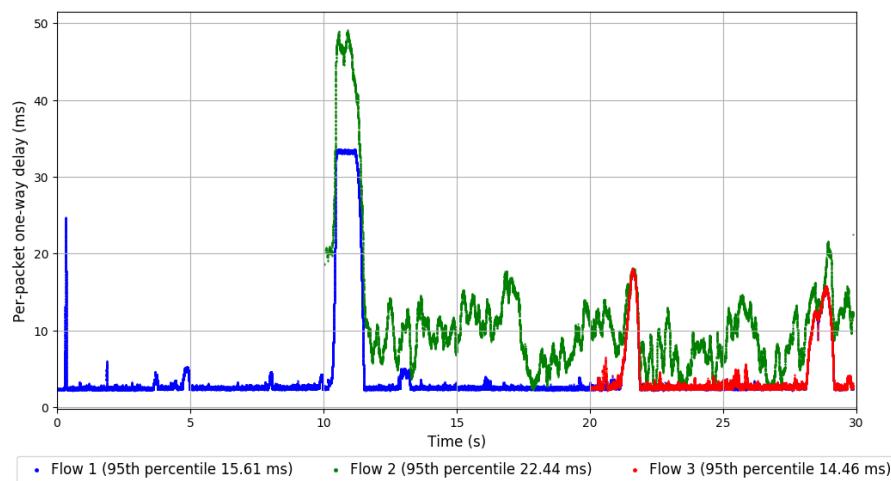
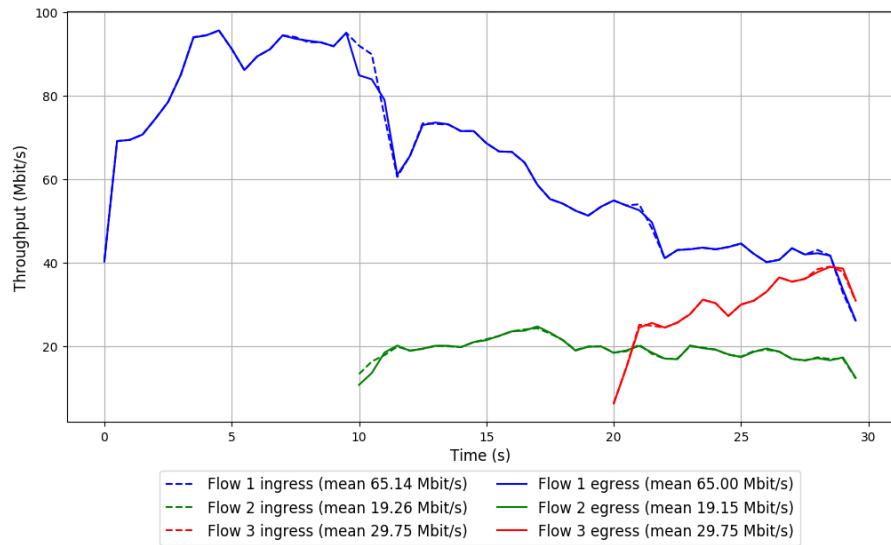


Run 6: Statistics of PCC

```
Start at: 2018-02-13 18:49:54
End at: 2018-02-13 18:50:24
Local clock offset: -4.76 ms
Remote clock offset: -4.014 ms

# Below is generated by plot.py at 2018-02-13 20:49:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 16.460 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 15.606 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 22.436 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 14.457 ms
Loss rate: 0.00%
```

Run 6: Report of PCC — Data Link

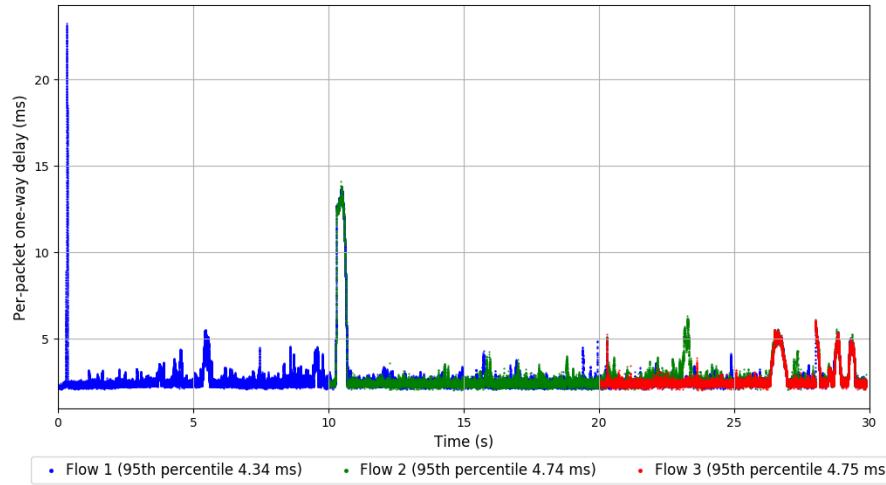
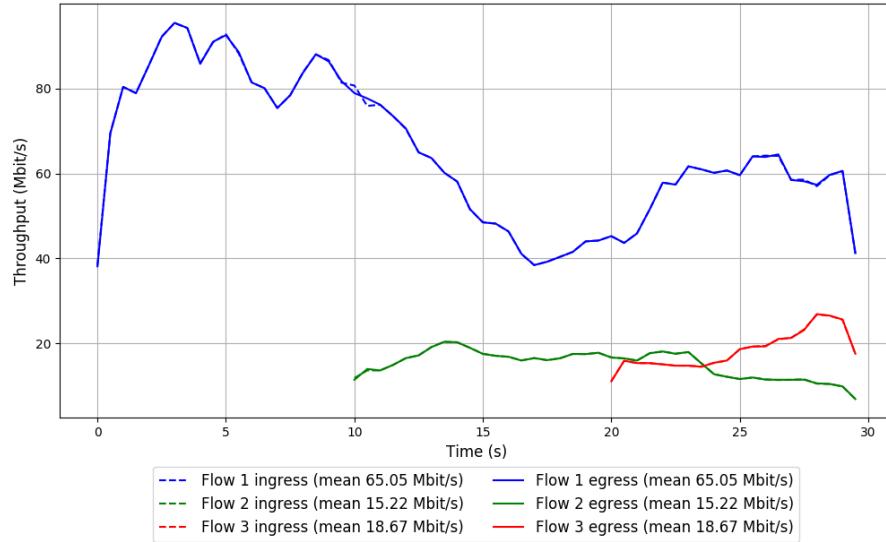


Run 7: Statistics of PCC

```
Start at: 2018-02-13 19:10:24
End at: 2018-02-13 19:10:54
Local clock offset: -4.416 ms
Remote clock offset: -4.313 ms

# Below is generated by plot.py at 2018-02-13 20:49:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 4.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 4.341 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 4.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 4.754 ms
Loss rate: 0.00%
```

Run 7: Report of PCC — Data Link

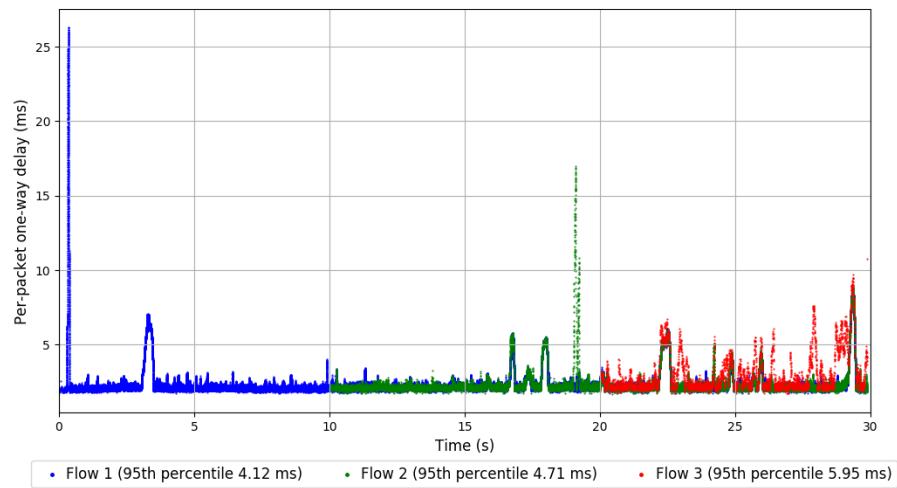
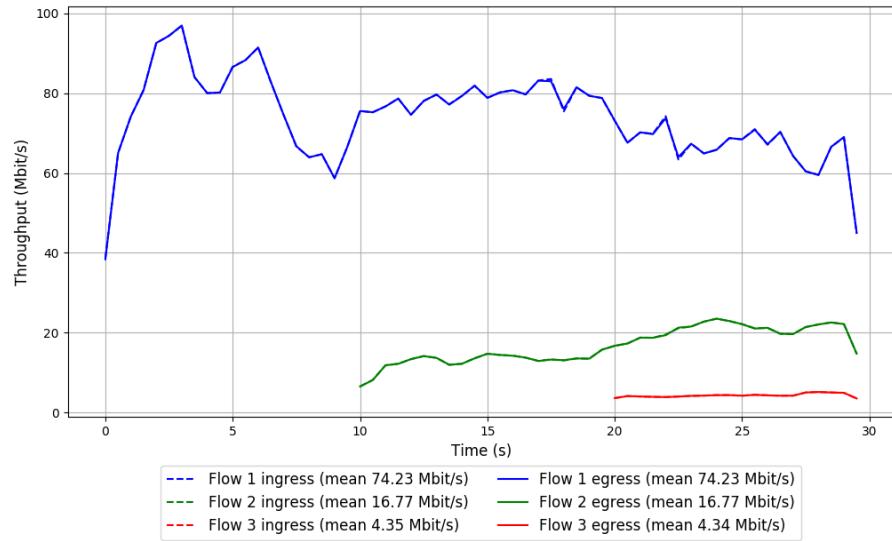


Run 8: Statistics of PCC

```
Start at: 2018-02-13 19:30:52
End at: 2018-02-13 19:31:22
Local clock offset: -4.227 ms
Remote clock offset: -4.282 ms

# Below is generated by plot.py at 2018-02-13 20:49:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 4.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 4.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 4.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 5.946 ms
Loss rate: 0.06%
```

Run 8: Report of PCC — Data Link

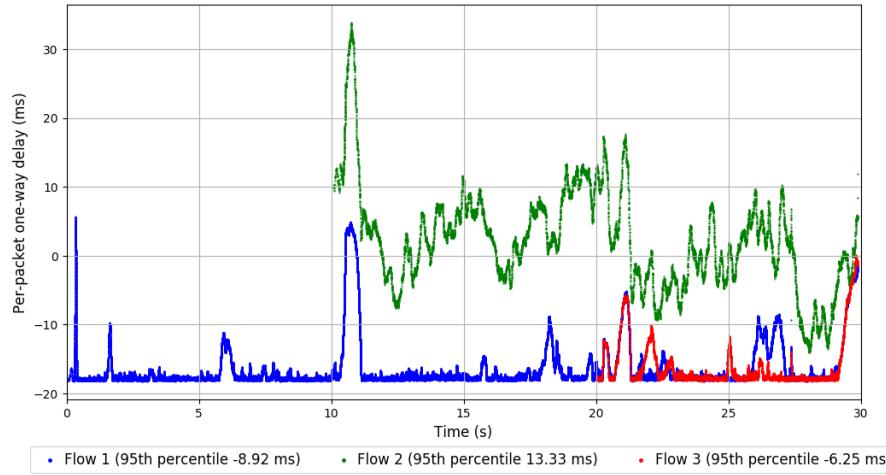
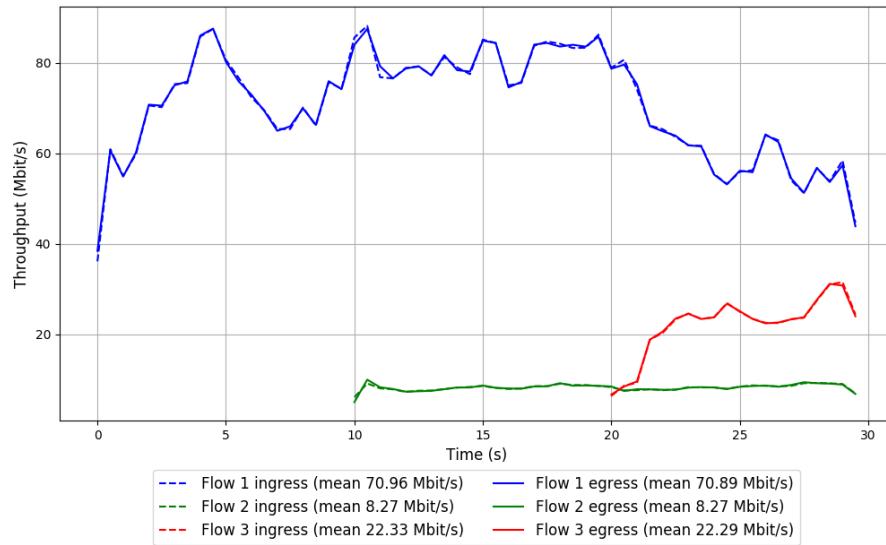


Run 9: Statistics of PCC

```
Start at: 2018-02-13 19:51:20
End at: 2018-02-13 19:51:50
Local clock offset: -5.331 ms
Remote clock offset: -23.79 ms

# Below is generated by plot.py at 2018-02-13 20:49:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.74 Mbit/s
95th percentile per-packet one-way delay: 1.807 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.89 Mbit/s
95th percentile per-packet one-way delay: -8.923 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 13.326 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: -6.250 ms
Loss rate: 0.00%
```

Run 9: Report of PCC — Data Link

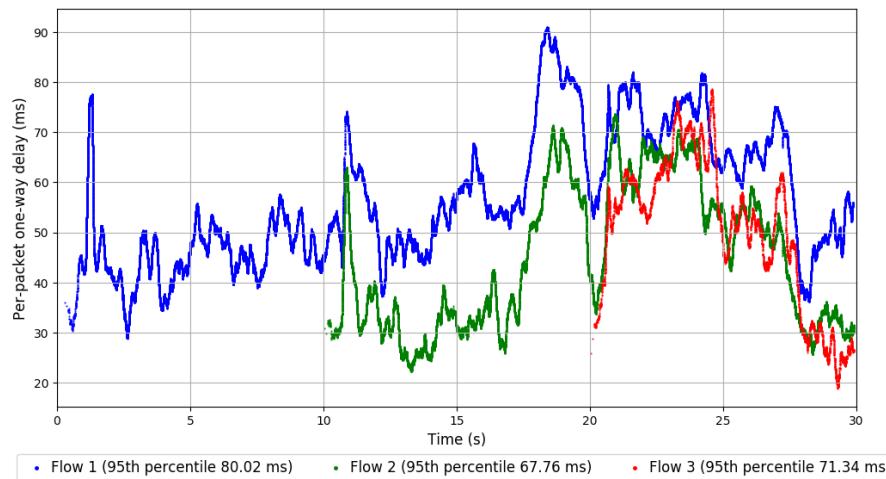
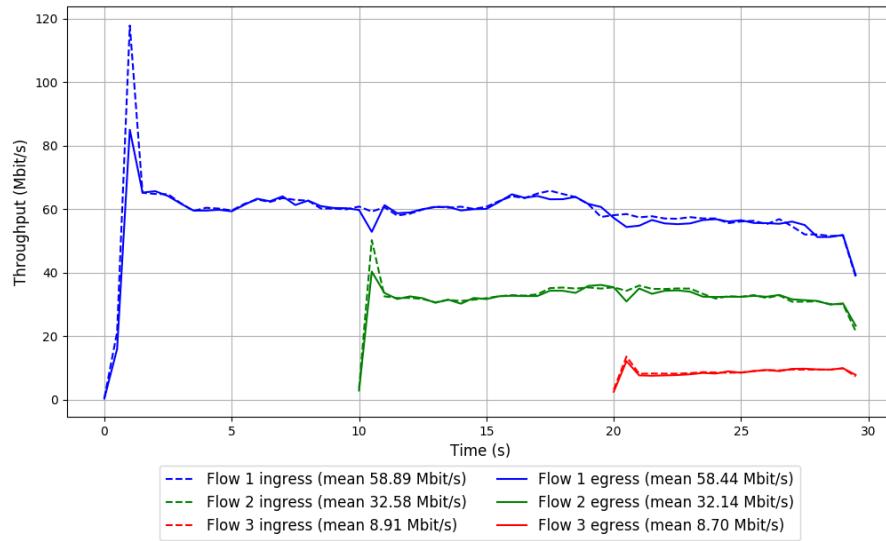


Run 10: Statistics of PCC

```
Start at: 2018-02-13 20:12:01
End at: 2018-02-13 20:12:31
Local clock offset: 14.68 ms
Remote clock offset: -5.08 ms

# Below is generated by plot.py at 2018-02-13 20:49:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 78.999 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 80.020 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 67.763 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 71.338 ms
Loss rate: 2.29%
```

Run 10: Report of PCC — Data Link

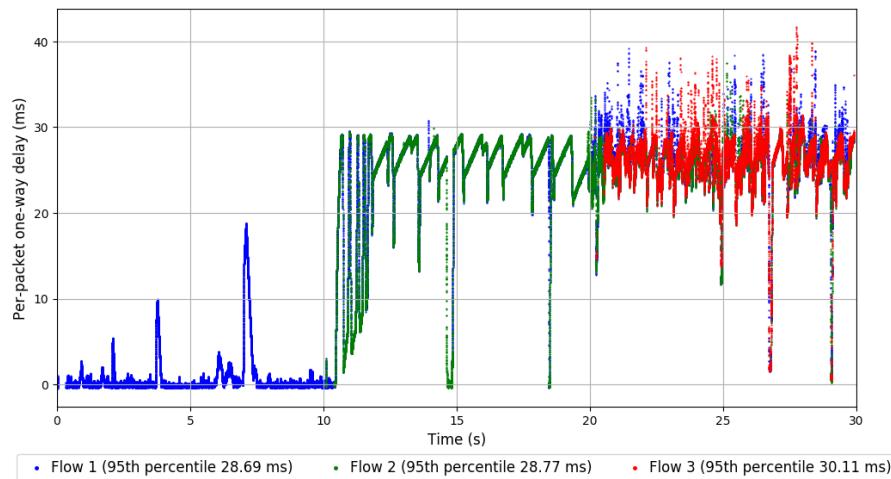
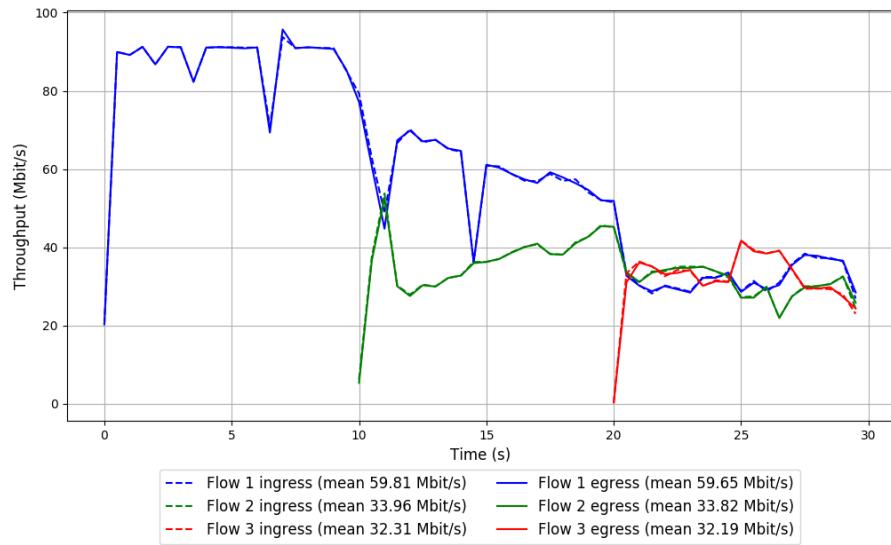


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-13 16:57:24
End at: 2018-02-13 16:57:54
Local clock offset: -5.196 ms
Remote clock offset: -7.938 ms

# Below is generated by plot.py at 2018-02-13 20:50:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 28.789 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 28.689 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 28.771 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 30.109 ms
Loss rate: 0.25%
```

Run 1: Report of QUIC Cubic — Data Link

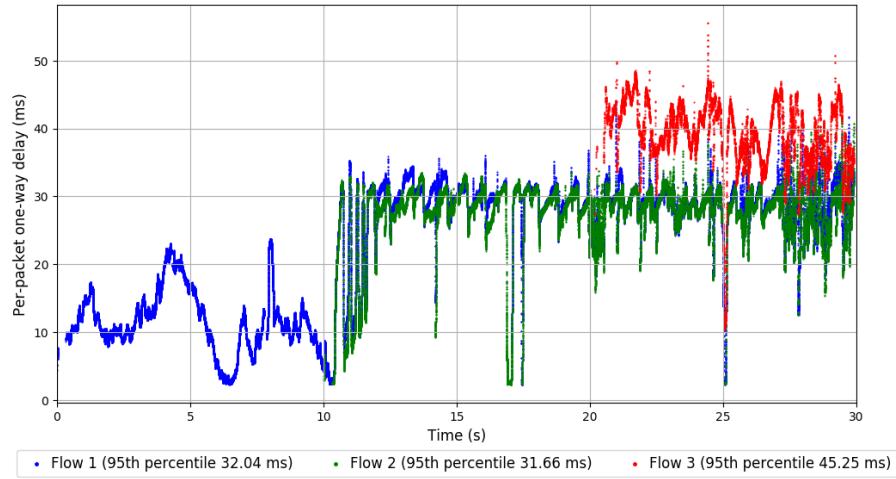
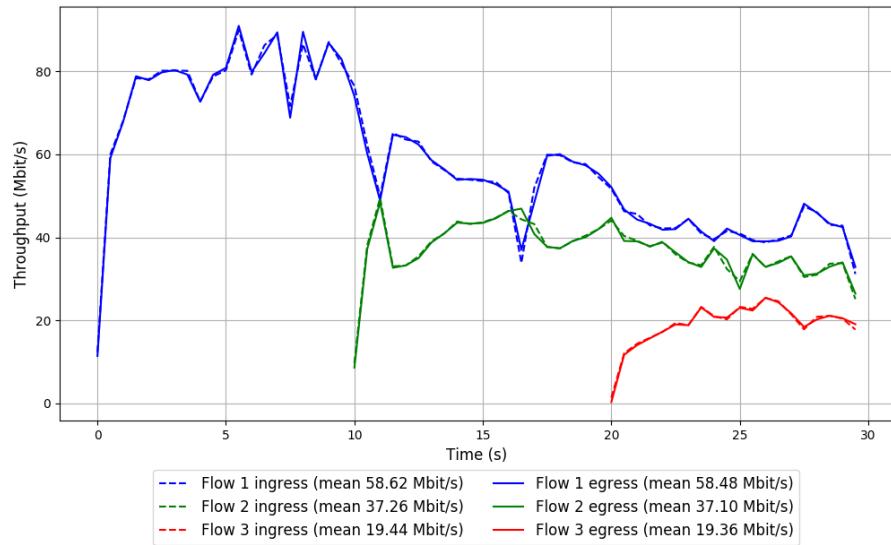


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-13 17:17:54
End at: 2018-02-13 17:18:24
Local clock offset: -4.812 ms
Remote clock offset: -4.82 ms

# Below is generated by plot.py at 2018-02-13 20:51:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 36.884 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 32.043 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 31.663 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 19.36 Mbit/s
95th percentile per-packet one-way delay: 45.254 ms
Loss rate: 0.34%
```

Run 2: Report of QUIC Cubic — Data Link

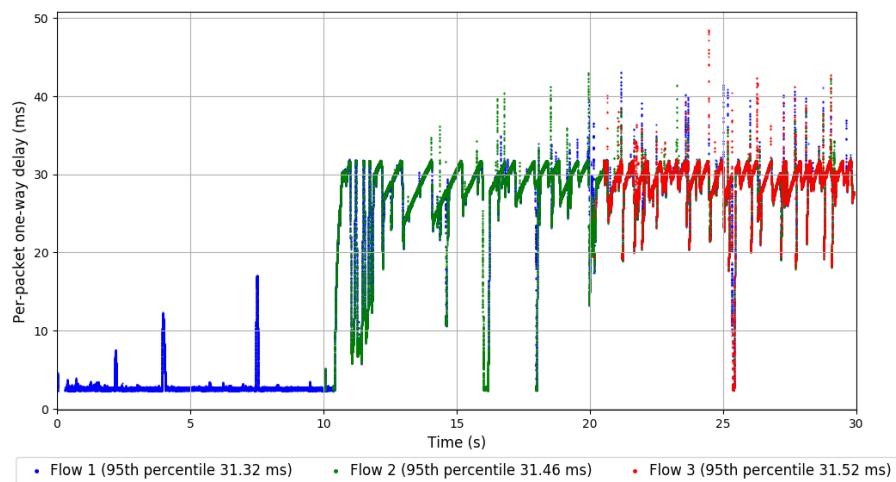
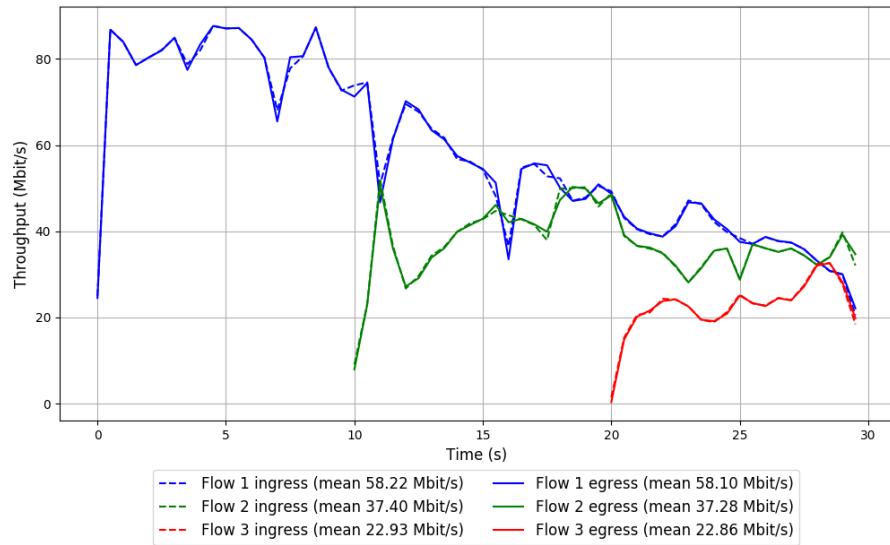


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-02-13 17:38:21
End at: 2018-02-13 17:38:51
Local clock offset: -3.65 ms
Remote clock offset: -4.435 ms

# Below is generated by plot.py at 2018-02-13 20:51:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 31.404 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 31.321 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 31.457 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 31.522 ms
Loss rate: 0.28%
```

Run 3: Report of QUIC Cubic — Data Link

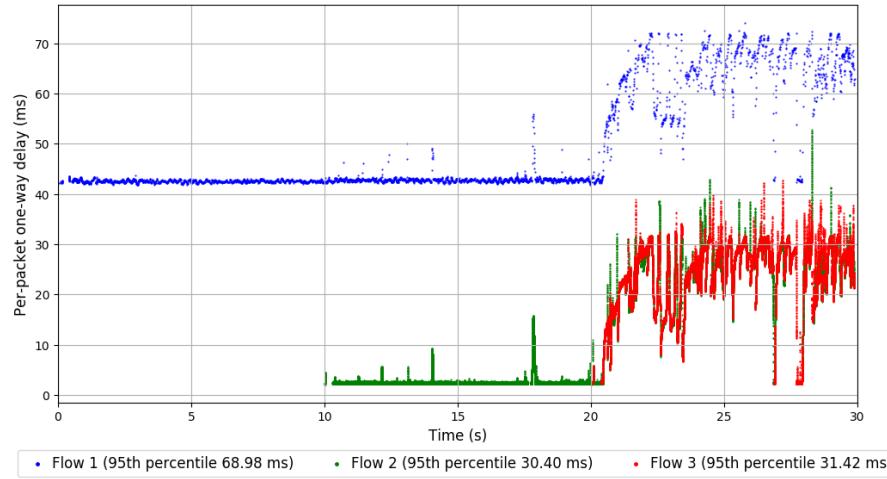
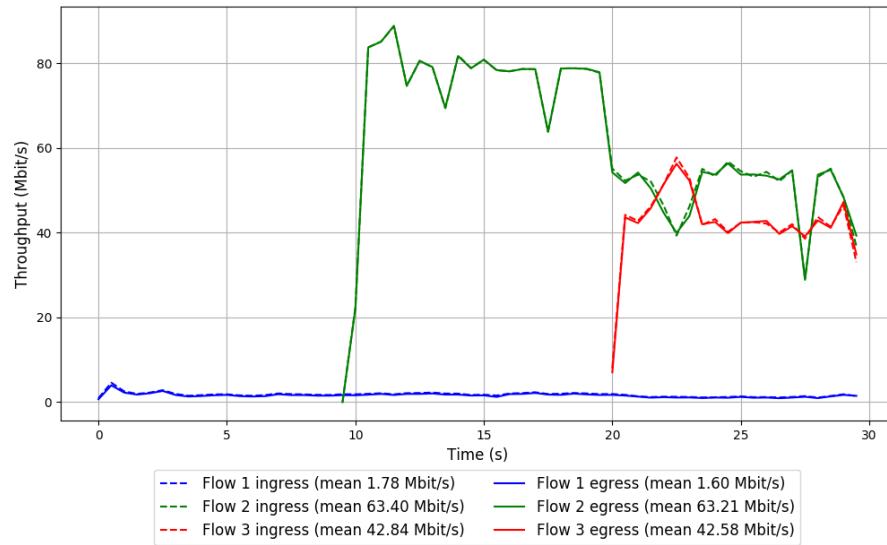


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-13 17:58:49
End at: 2018-02-13 17:59:19
Local clock offset: -3.812 ms
Remote clock offset: -4.289 ms

# Below is generated by plot.py at 2018-02-13 20:51:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 31.445 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 68.977 ms
Loss rate: 10.16%
-- Flow 2:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 30.404 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 31.424 ms
Loss rate: 0.41%
```

Run 4: Report of QUIC Cubic — Data Link

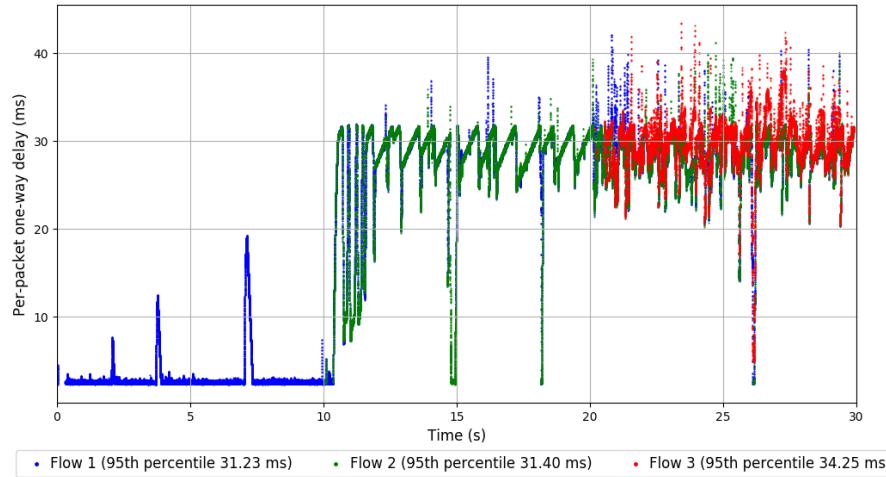
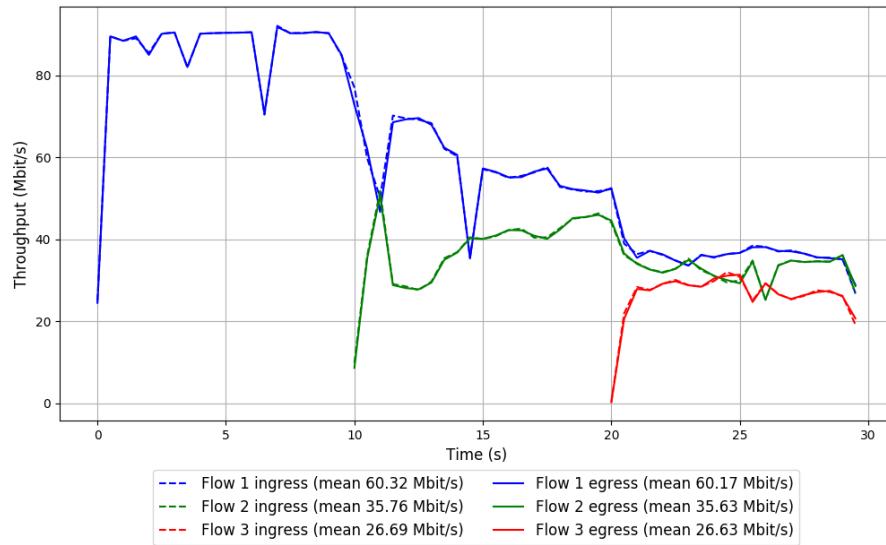


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-13 18:19:15
End at: 2018-02-13 18:19:45
Local clock offset: -3.955 ms
Remote clock offset: -4.167 ms

# Below is generated by plot.py at 2018-02-13 20:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 31.426 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 60.17 Mbit/s
95th percentile per-packet one-way delay: 31.229 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 31.402 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 34.246 ms
Loss rate: 0.20%
```

Run 5: Report of QUIC Cubic — Data Link

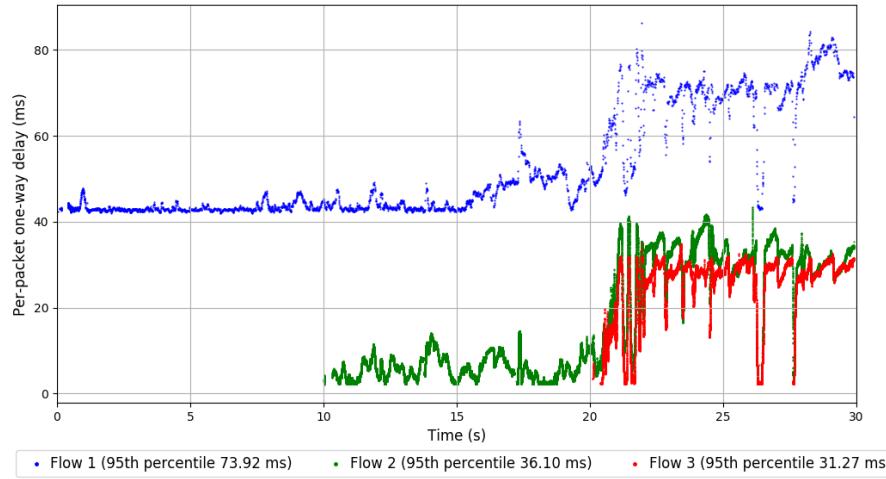
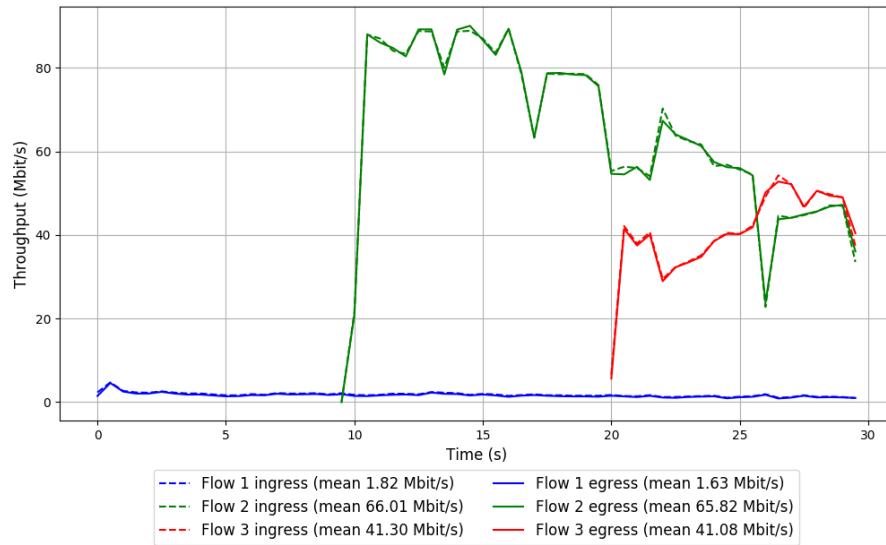


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-13 18:39:41
End at: 2018-02-13 18:40:11
Local clock offset: -4.609 ms
Remote clock offset: -4.083 ms

# Below is generated by plot.py at 2018-02-13 20:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 37.382 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 73.921 ms
Loss rate: 10.18%
-- Flow 2:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 36.105 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 31.273 ms
Loss rate: 0.25%
```

Run 6: Report of QUIC Cubic — Data Link

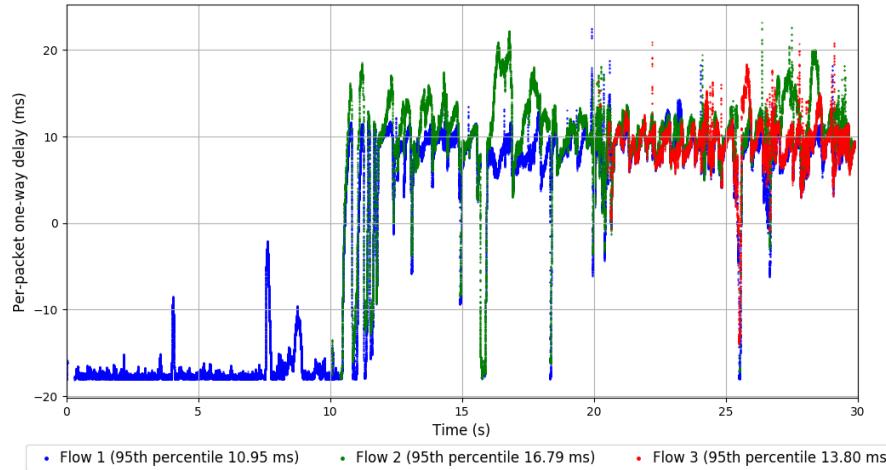
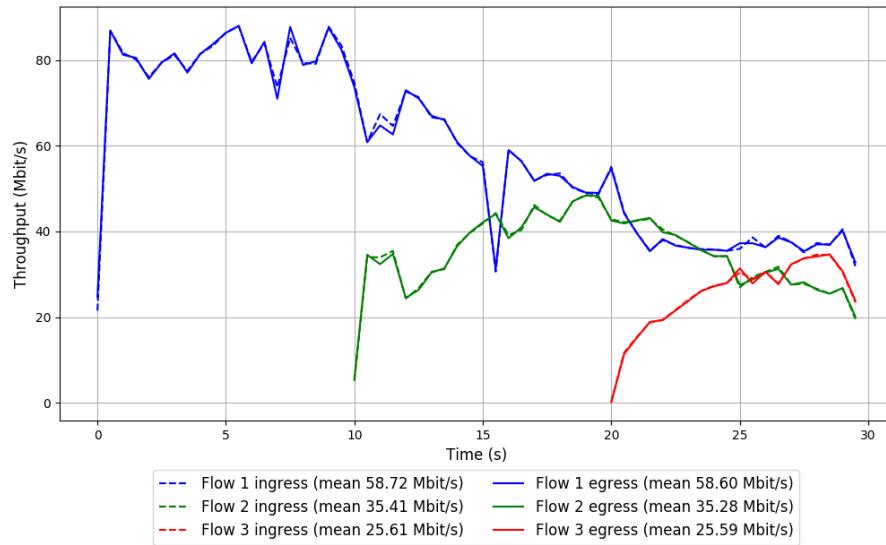


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-13 19:00:11
End at: 2018-02-13 19:00:41
Local clock offset: -4.678 ms
Remote clock offset: -24.501 ms

# Below is generated by plot.py at 2018-02-13 20:51:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 13.192 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 10.945 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 16.793 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 13.797 ms
Loss rate: 0.18%
```

Run 7: Report of QUIC Cubic — Data Link

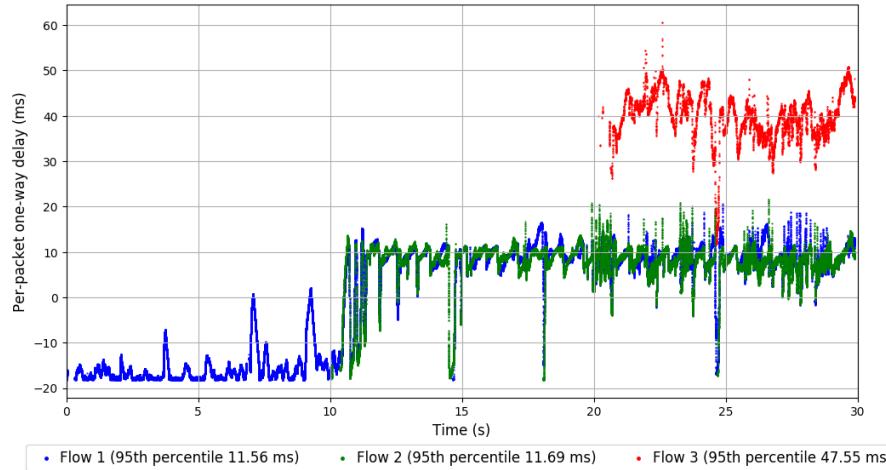
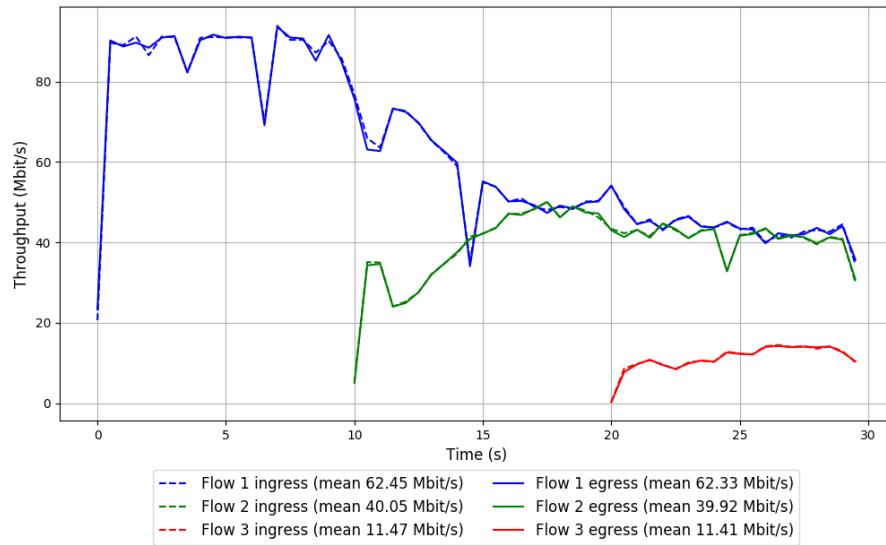


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-13 19:20:41
End at: 2018-02-13 19:21:11
Local clock offset: -4.3 ms
Remote clock offset: -24.745 ms

# Below is generated by plot.py at 2018-02-13 20:51:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 14.140 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.33 Mbit/s
95th percentile per-packet one-way delay: 11.562 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 11.693 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 47.550 ms
Loss rate: 0.70%
```

Run 8: Report of QUIC Cubic — Data Link

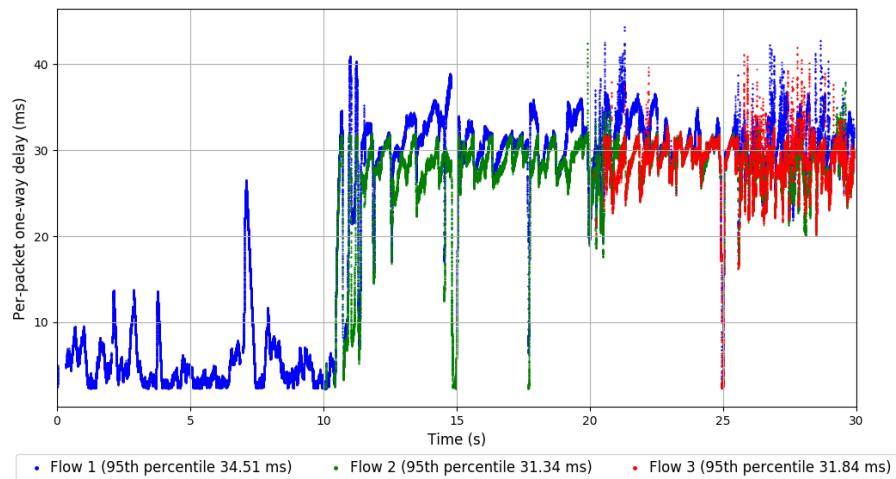
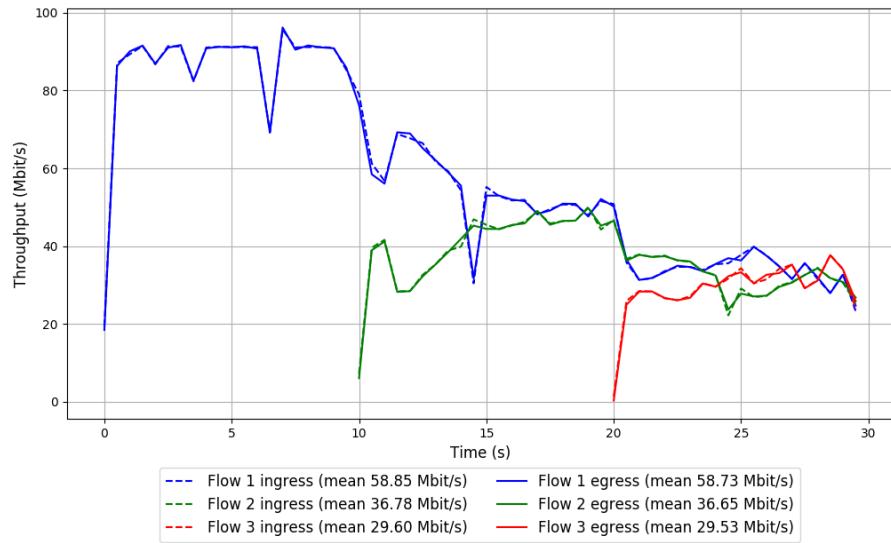


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-13 19:41:10
End at: 2018-02-13 19:41:40
Local clock offset: -5.001 ms
Remote clock offset: -3.554 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 33.751 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 34.513 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 31.344 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 31.837 ms
Loss rate: 0.21%
```

Run 9: Report of QUIC Cubic — Data Link

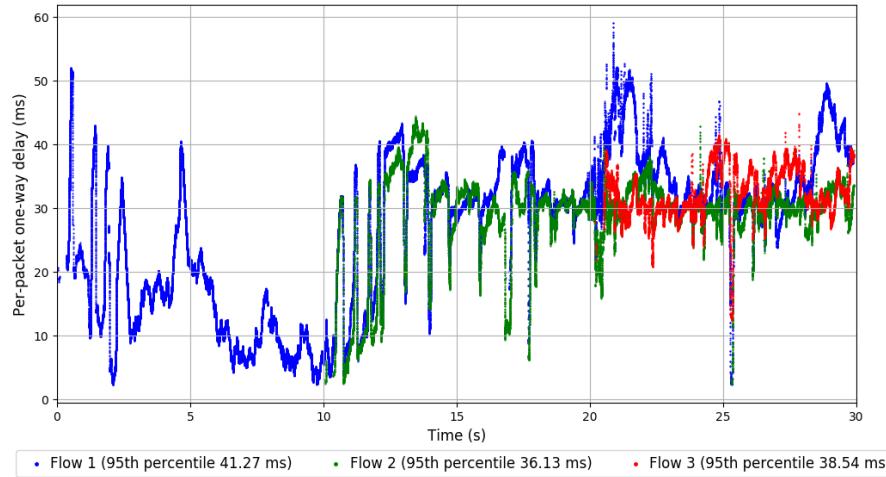
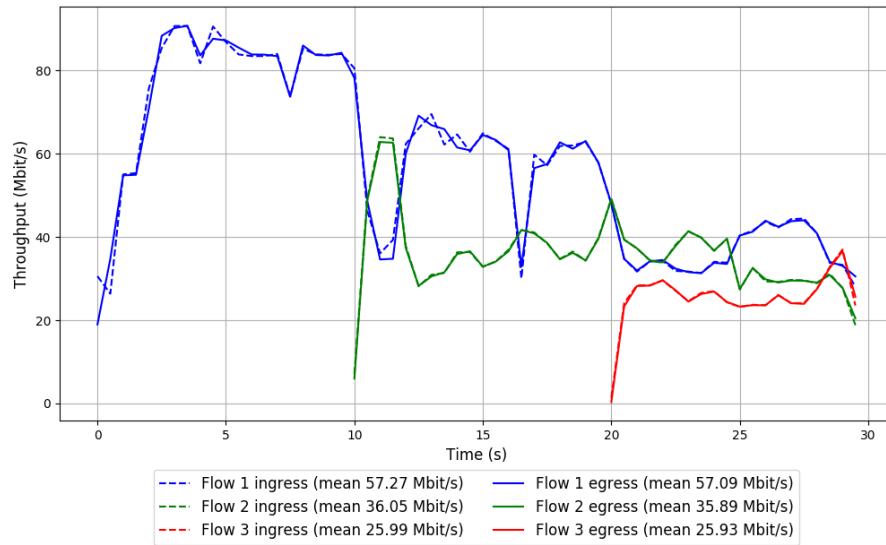


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-13 20:01:36
End at: 2018-02-13 20:02:06
Local clock offset: -5.499 ms
Remote clock offset: -3.977 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 40.151 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 41.268 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 36.131 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 38.541 ms
Loss rate: 0.25%
```

Run 10: Report of QUIC Cubic — Data Link

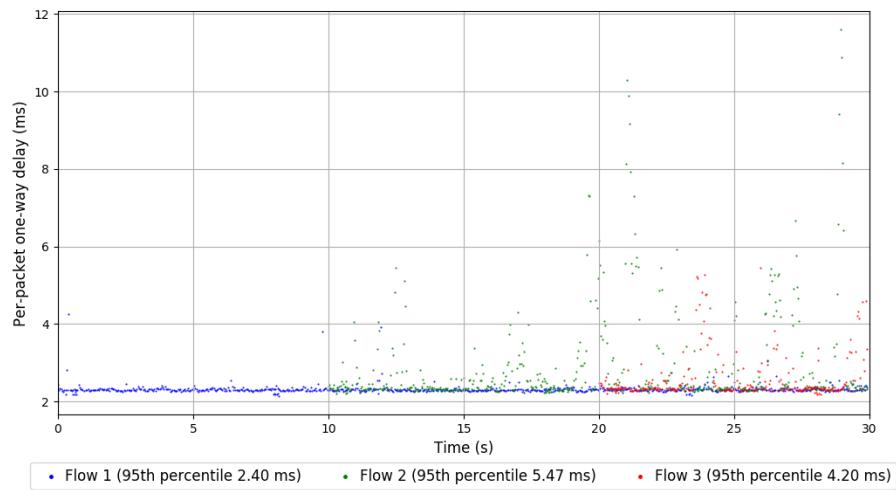
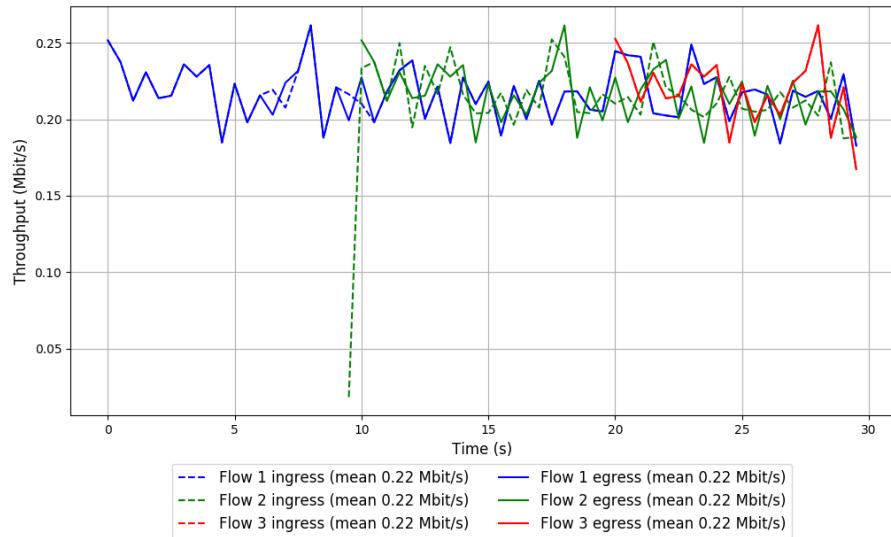


```
Run 1: Statistics of SCReAM

Start at: 2018-02-13 17:01:55
End at: 2018-02-13 17:02:25
Local clock offset: -5.097 ms
Remote clock offset: -5.285 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.472 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.204 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

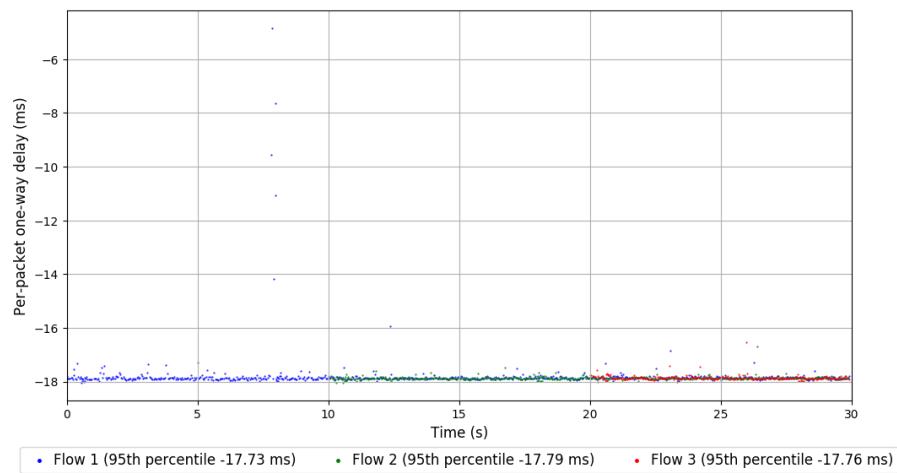
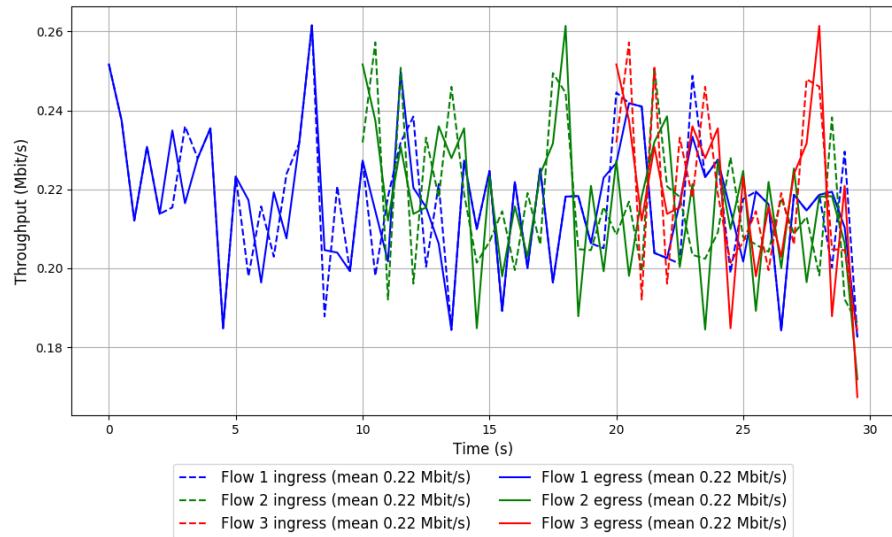


Run 2: Statistics of SCReAM

```
Start at: 2018-02-13 17:22:25
End at: 2018-02-13 17:22:55
Local clock offset: -4.44 ms
Remote clock offset: -24.999 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -17.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.759 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

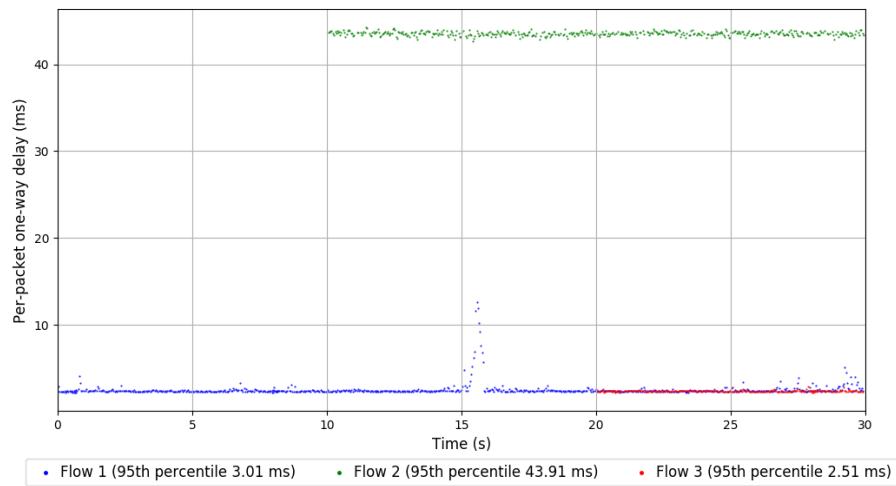
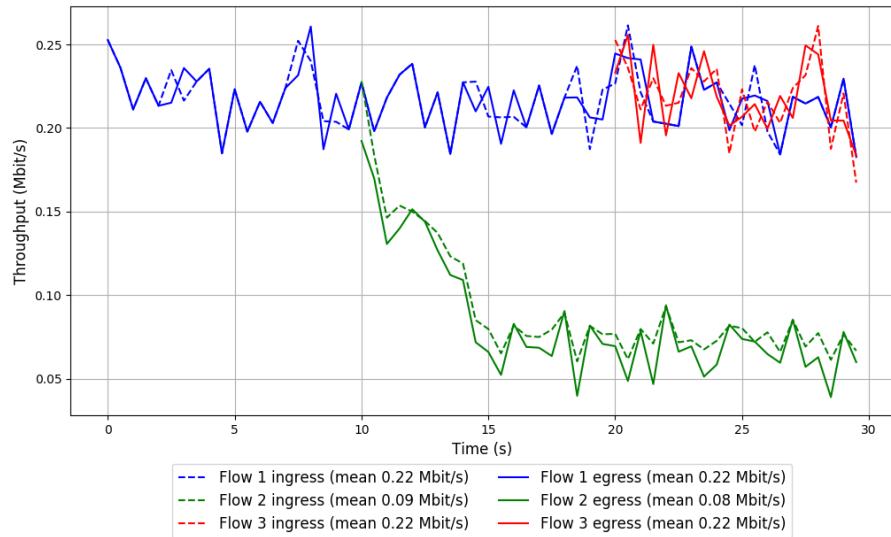


Run 3: Statistics of SCReAM

```
Start at: 2018-02-13 17:42:51
End at: 2018-02-13 17:43:21
Local clock offset: -3.531 ms
Remote clock offset: -4.435 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 43.777 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 43.913 ms
Loss rate: 9.87%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

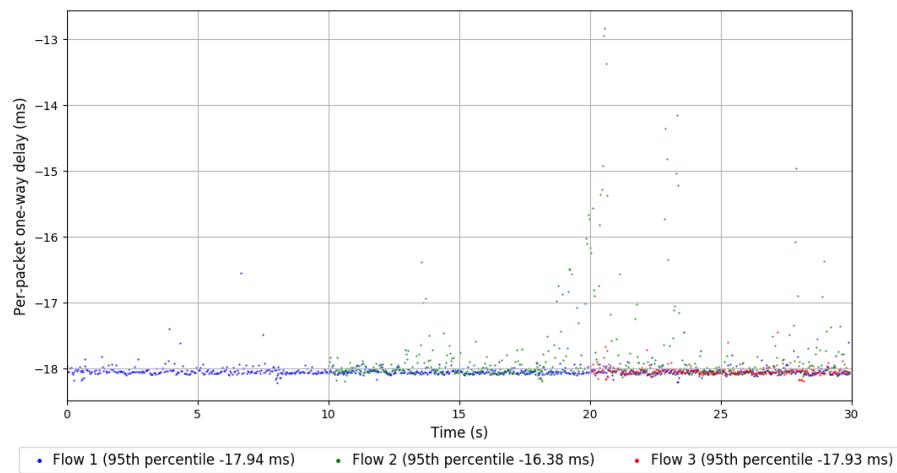
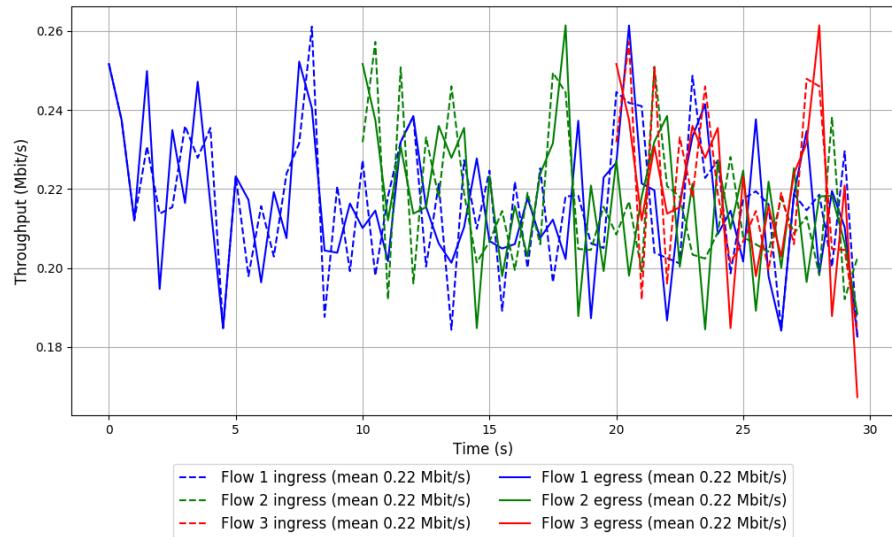


Run 4: Statistics of SCReAM

```
Start at: 2018-02-13 18:03:19
End at: 2018-02-13 18:03:49
Local clock offset: -3.915 ms
Remote clock offset: -24.654 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -17.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -16.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.932 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

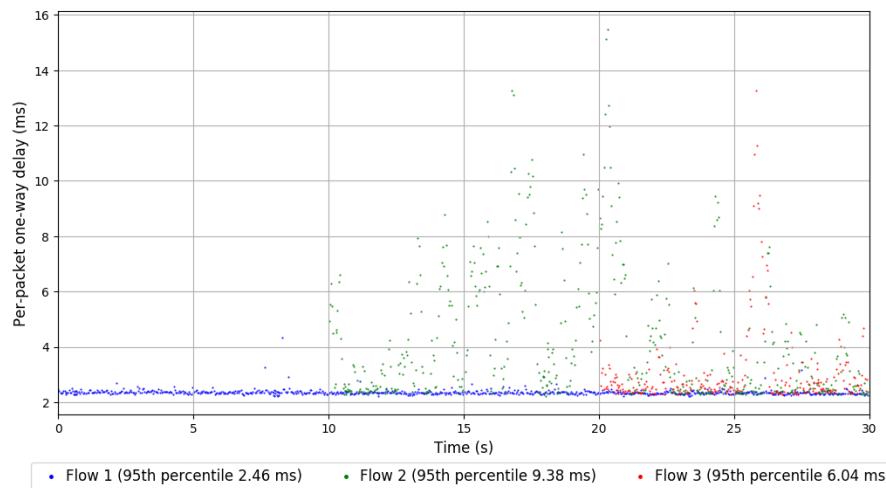
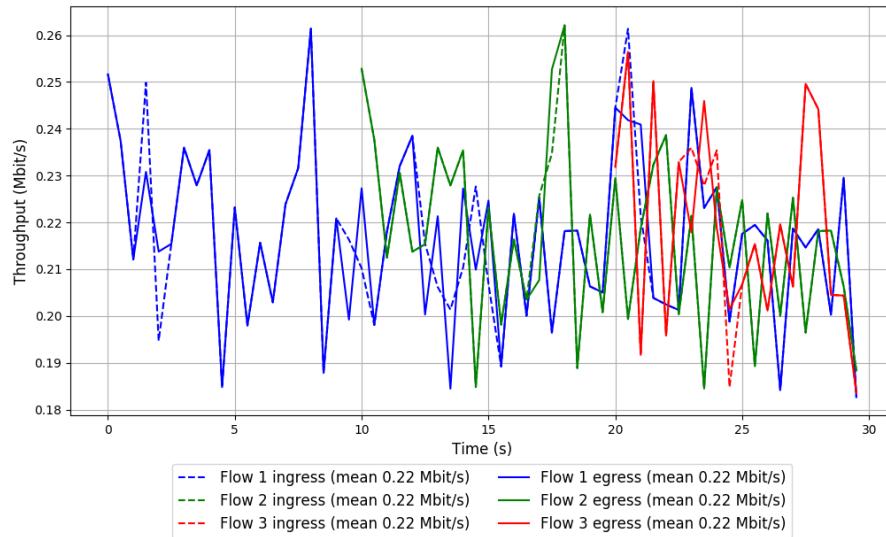


Run 5: Statistics of SCReAM

```
Start at: 2018-02-13 18:23:45
End at: 2018-02-13 18:24:15
Local clock offset: -3.895 ms
Remote clock offset: -4.14 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 7.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.040 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

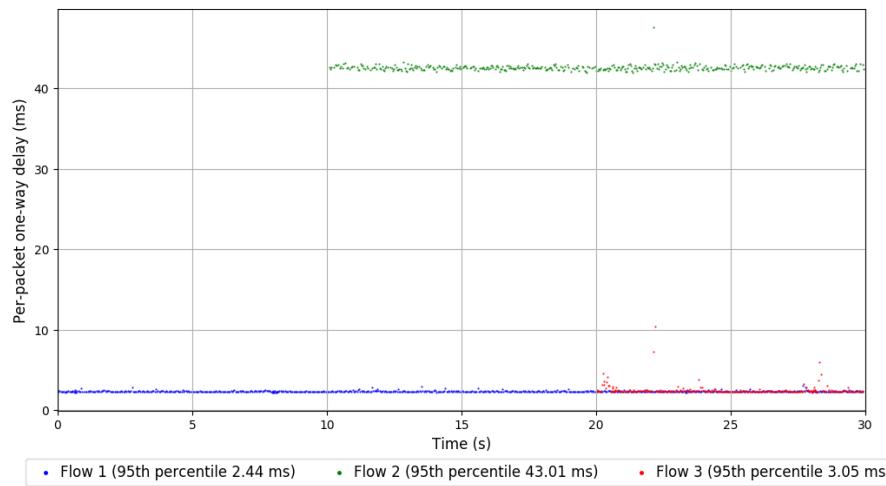
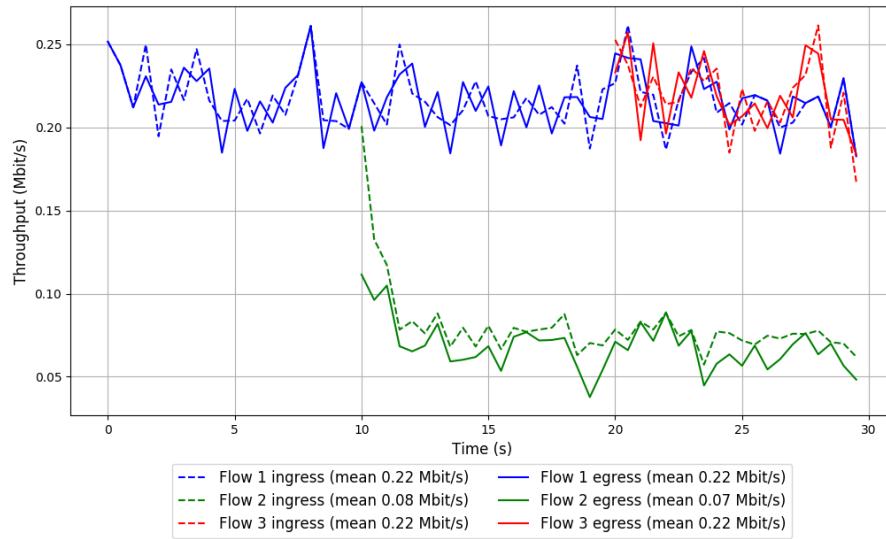


Run 6: Statistics of SCReAM

```
Start at: 2018-02-13 18:44:11
End at: 2018-02-13 18:44:41
Local clock offset: -4.658 ms
Remote clock offset: -4.038 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 42.826 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.437 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 43.005 ms
Loss rate: 15.36%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.046 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

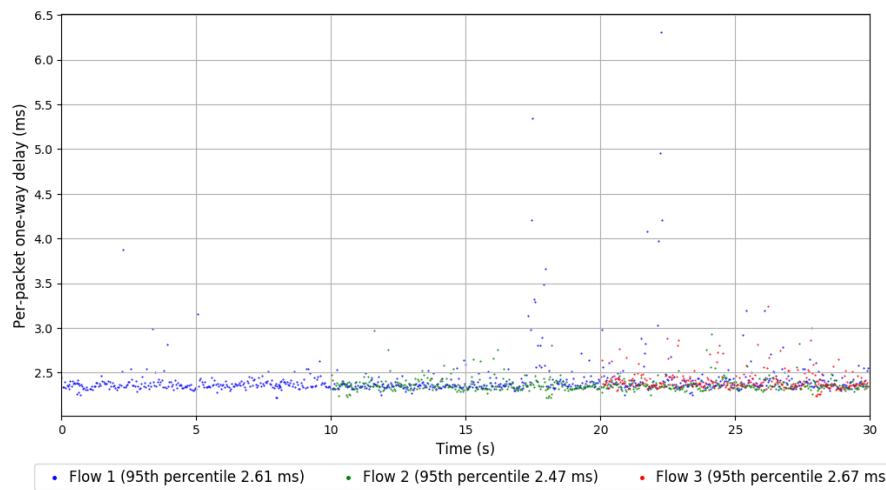
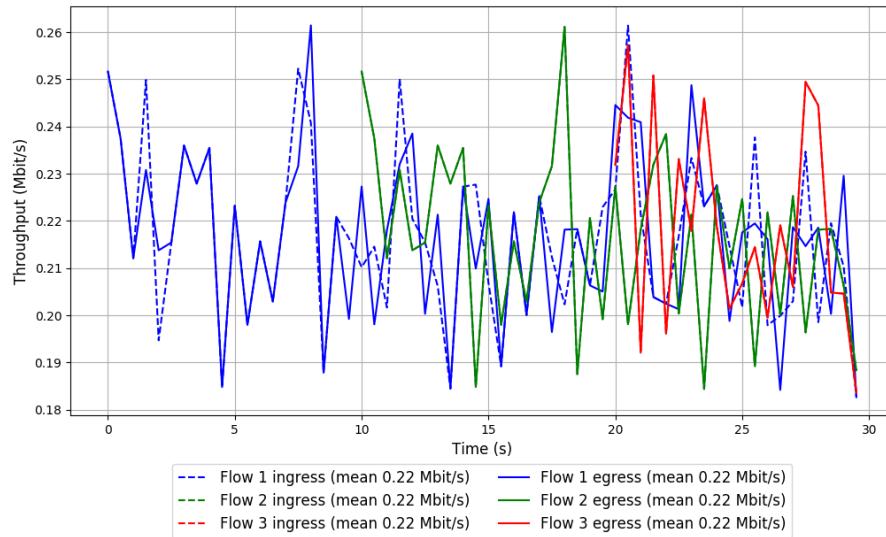


Run 7: Statistics of SCReAM

```
Start at: 2018-02-13 19:04:44
End at: 2018-02-13 19:05:14
Local clock offset: -4.539 ms
Remote clock offset: -4.205 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.673 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

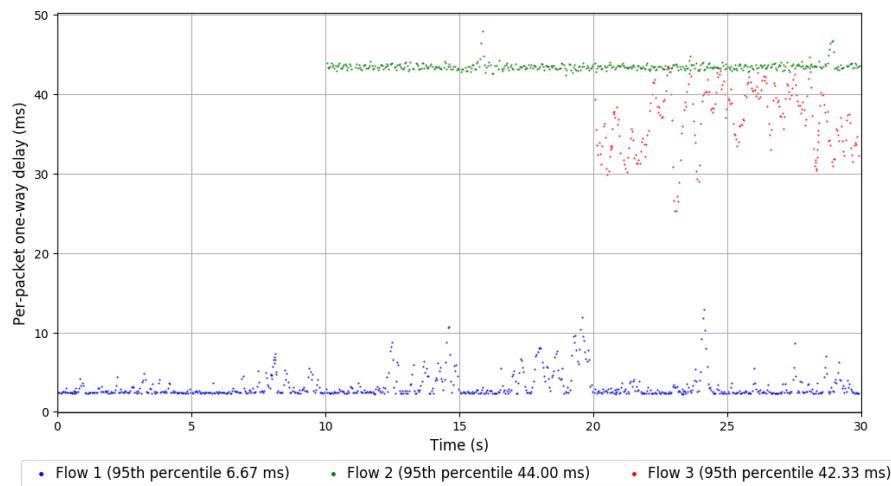
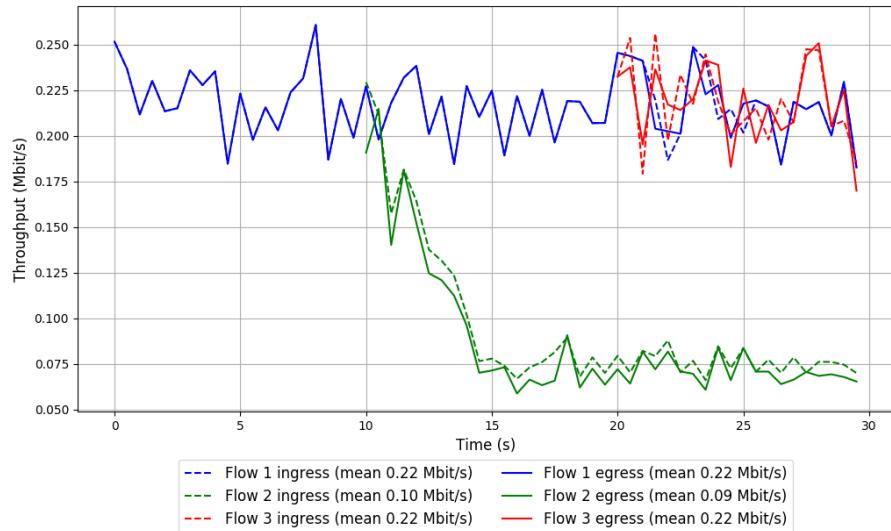


Run 8: Statistics of SCReAM

```
Start at: 2018-02-13 19:25:13
End at: 2018-02-13 19:25:43
Local clock offset: -4.298 ms
Remote clock offset: -4.193 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 43.778 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.673 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 44.004 ms
Loss rate: 7.31%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.334 ms
Loss rate: 0.35%
```

Run 8: Report of SCReAM — Data Link

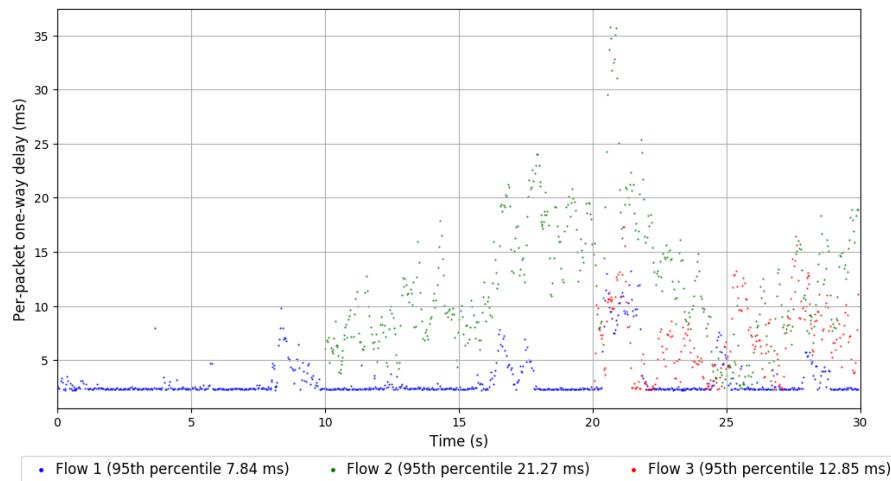
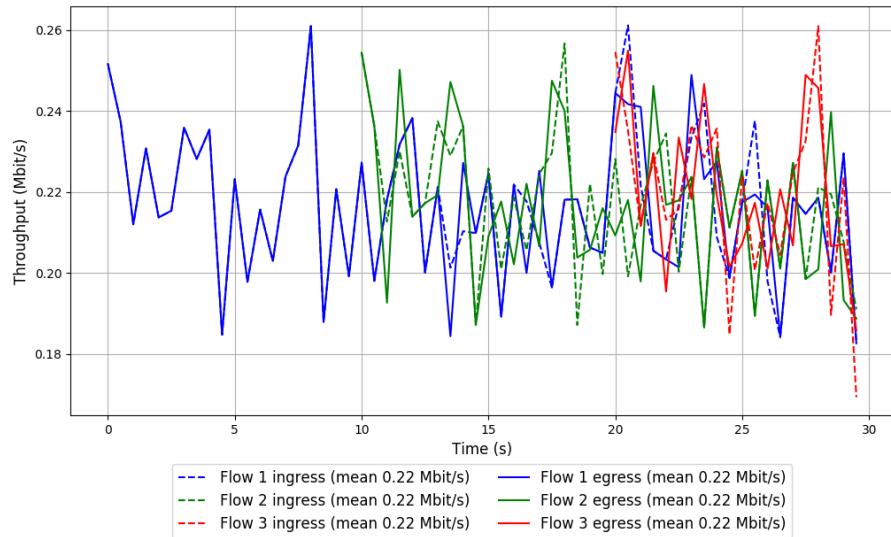


Run 9: Statistics of SCReAM

```
Start at: 2018-02-13 19:45:41
End at: 2018-02-13 19:46:11
Local clock offset: -5.143 ms
Remote clock offset: -3.432 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 18.418 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.275 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.848 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

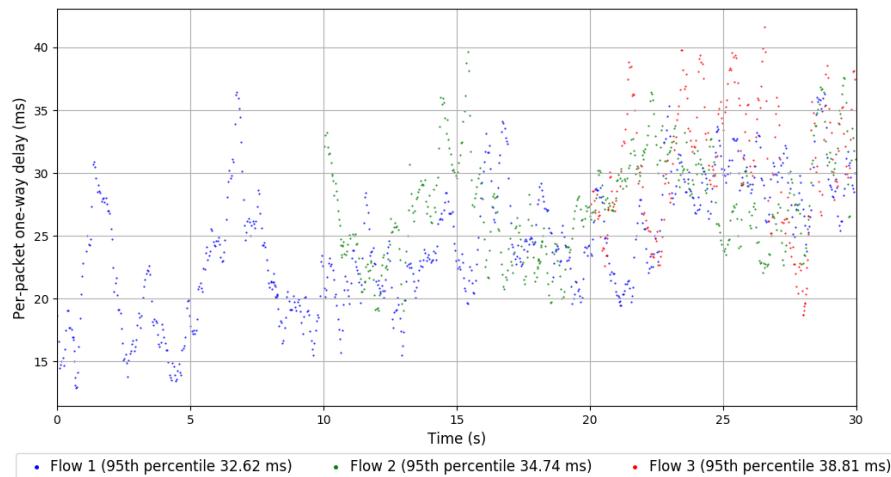
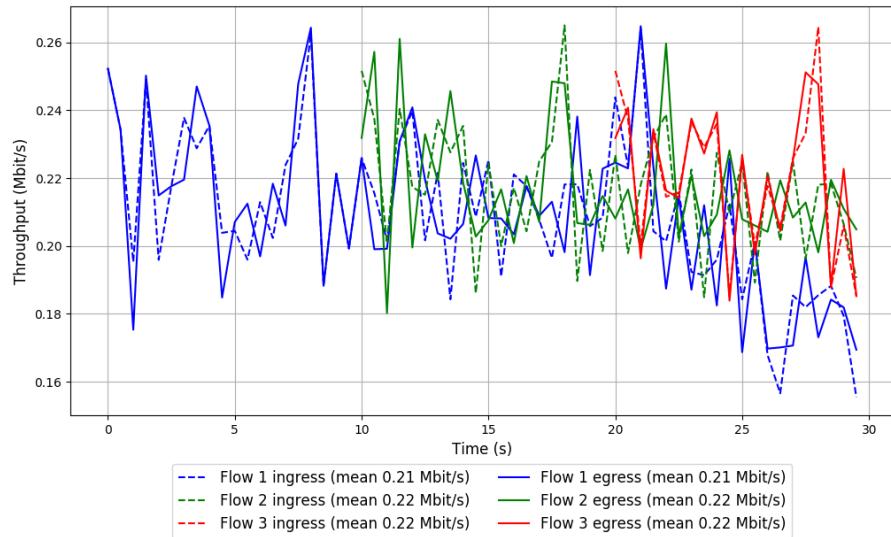


Run 10: Statistics of SCReAM

```
Start at: 2018-02-13 20:06:12
End at: 2018-02-13 20:06:42
Local clock offset: 9.396 ms
Remote clock offset: -4.634 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 35.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.814 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

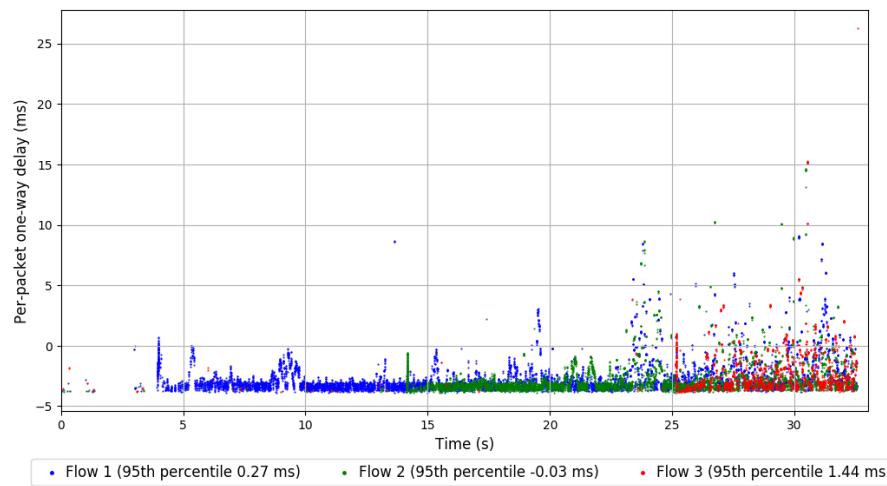
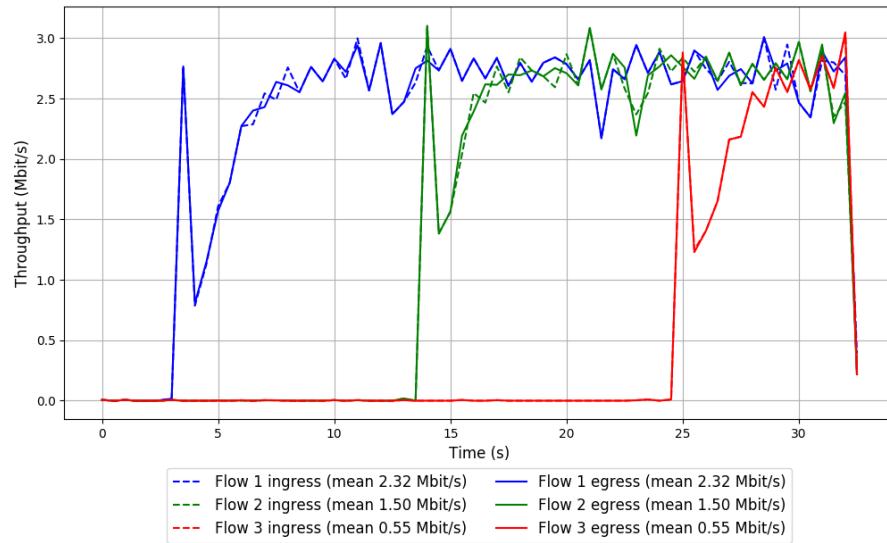


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-13 16:58:32
End at: 2018-02-13 16:59:02
Local clock offset: -5.134 ms
Remote clock offset: -11.264 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 0.411 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 0.273 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -0.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

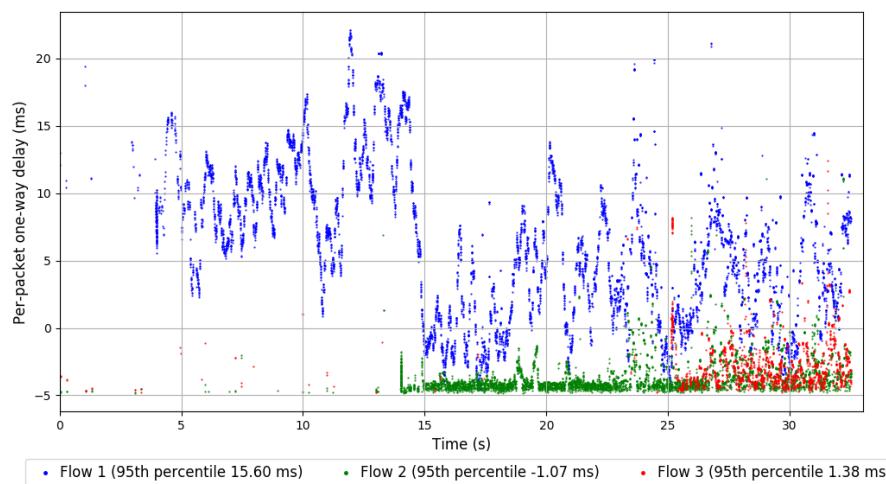
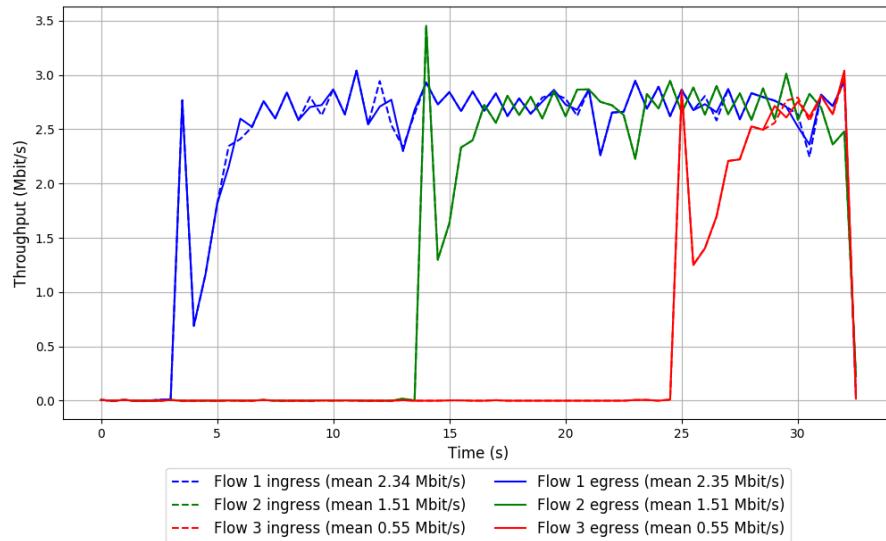


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-13 17:19:02
End at: 2018-02-13 17:19:32
Local clock offset: -4.644 ms
Remote clock offset: -11.767 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 13.563 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 15.603 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -1.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

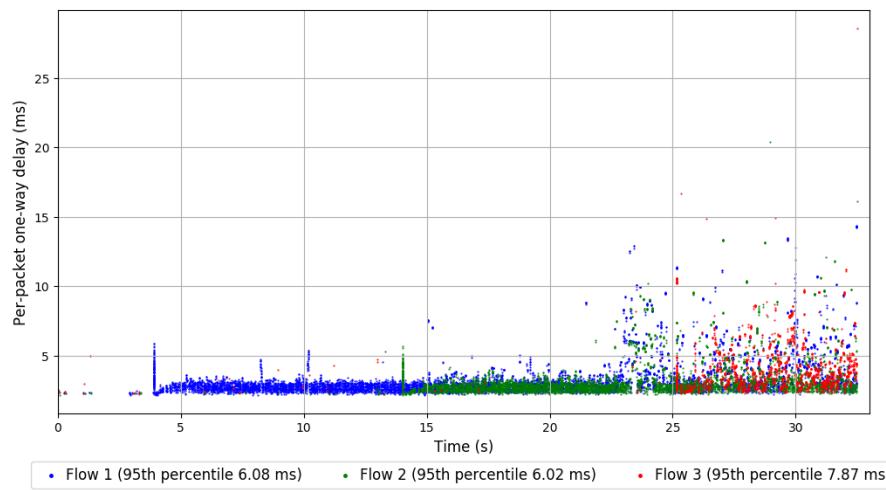
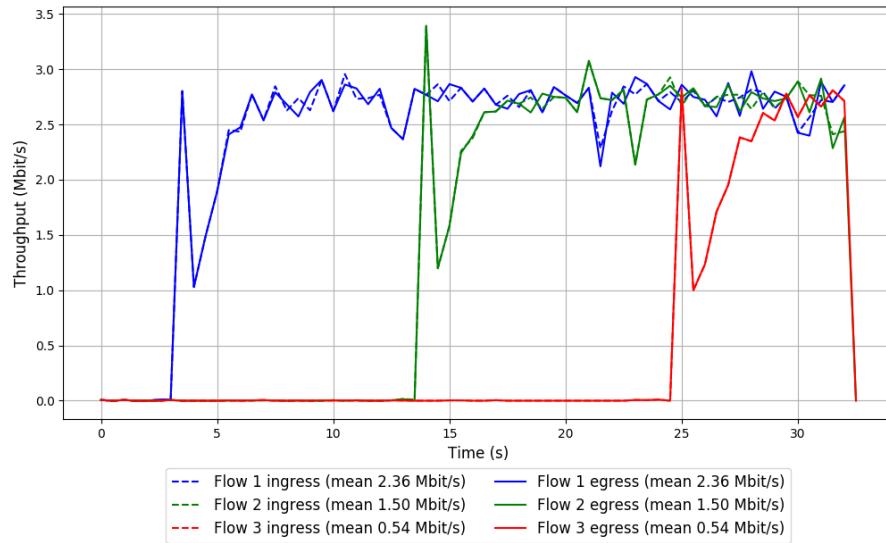


Run 3: Statistics of WebRTC media

```
Start at: 2018-02-13 17:39:29
End at: 2018-02-13 17:39:59
Local clock offset: -3.63 ms
Remote clock offset: -4.452 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 6.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 6.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 6.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 7.869 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

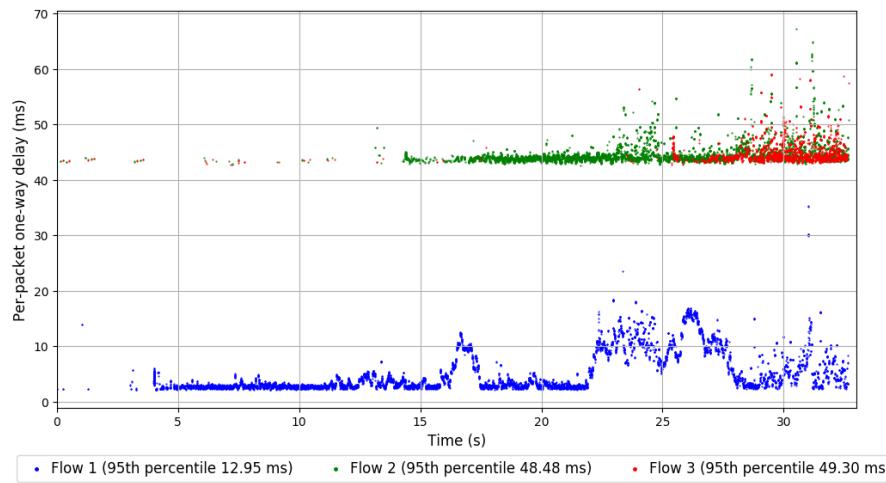
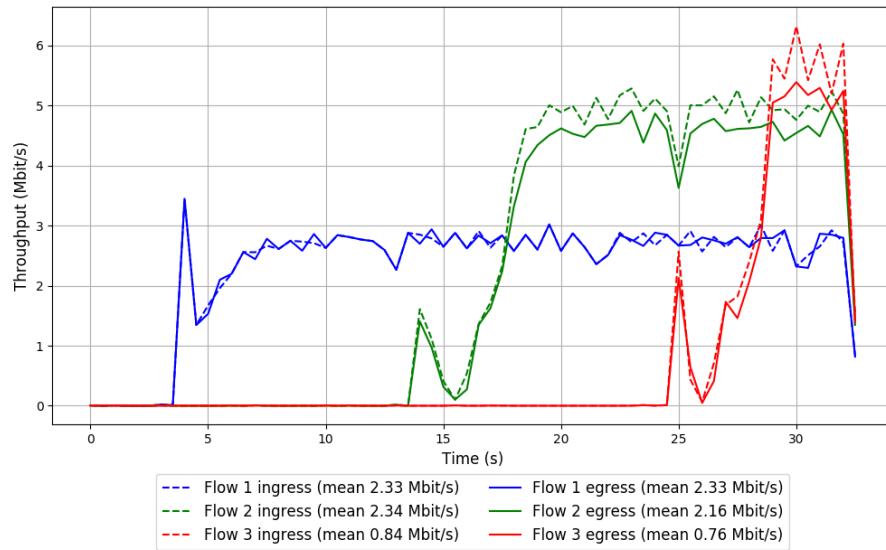


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-13 17:59:56
End at: 2018-02-13 18:00:26
Local clock offset: -3.871 ms
Remote clock offset: -4.283 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 47.171 ms
Loss rate: 4.79%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 12.951 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 48.485 ms
Loss rate: 7.73%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 49.298 ms
Loss rate: 9.93%
```

Run 4: Report of WebRTC media — Data Link

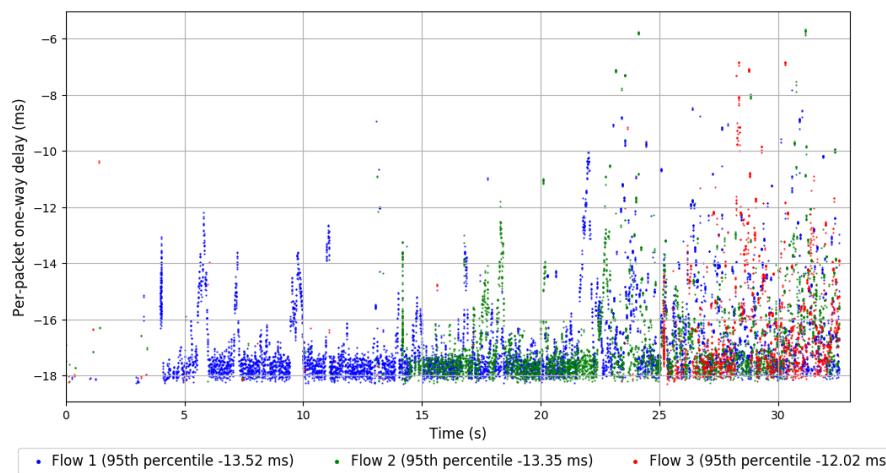
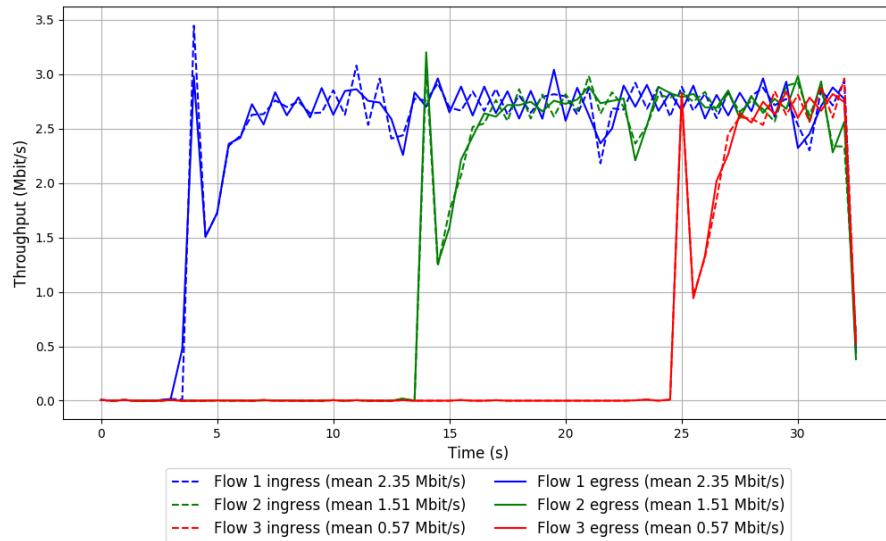


Run 5: Statistics of WebRTC media

```
Start at: 2018-02-13 18:20:23
End at: 2018-02-13 18:20:53
Local clock offset: -3.931 ms
Remote clock offset: -24.602 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: -13.177 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -13.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -13.353 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: -12.020 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

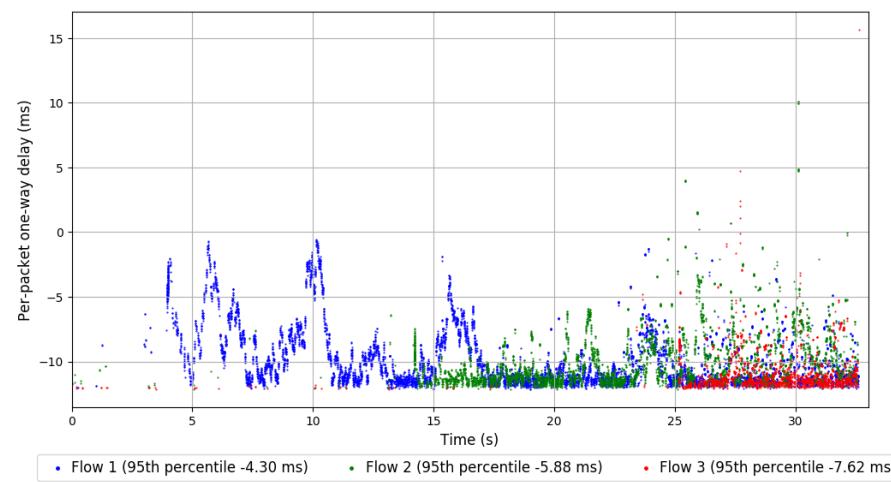
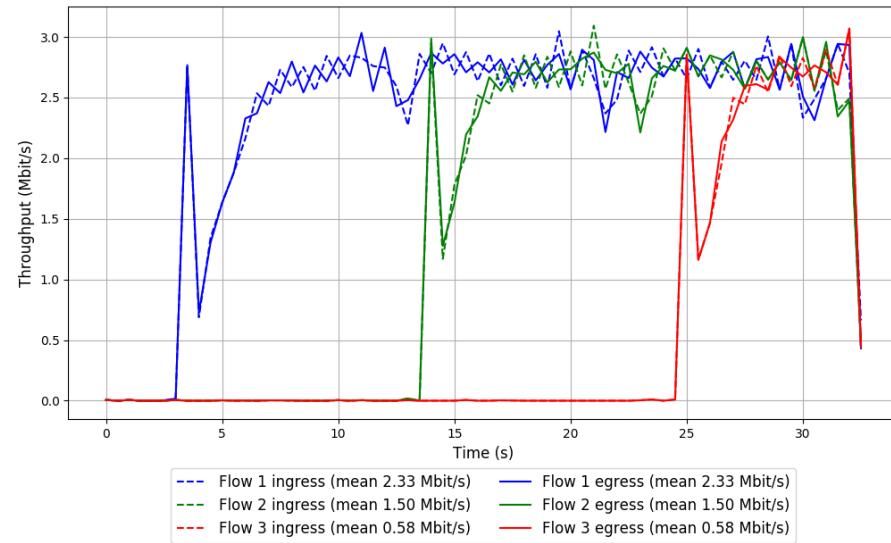


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-13 18:40:48
End at: 2018-02-13 18:41:18
Local clock offset: -4.618 ms
Remote clock offset: -18.32 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: -5.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -4.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -5.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: -7.616 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

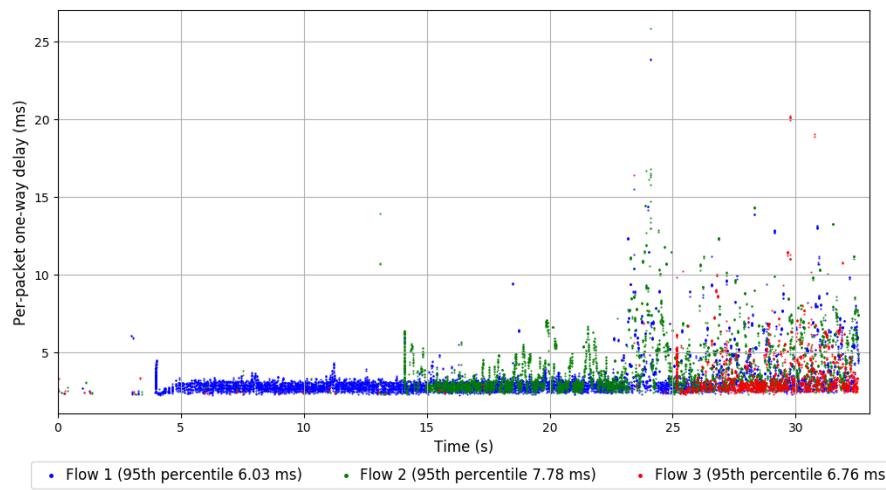
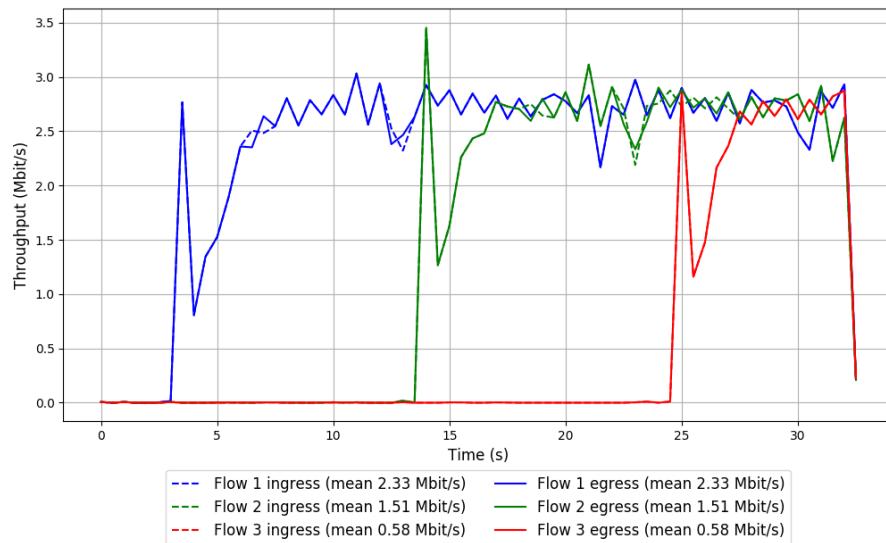


```
Run 7: Statistics of WebRTC media

Start at: 2018-02-13 19:01:19
End at: 2018-02-13 19:01:49
Local clock offset: -4.748 ms
Remote clock offset: -4.186 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 6.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 6.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 7.775 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 6.761 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

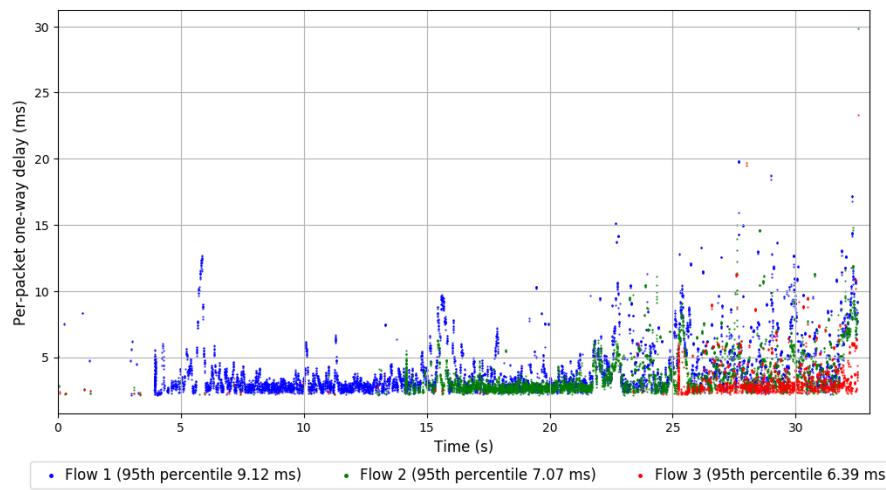
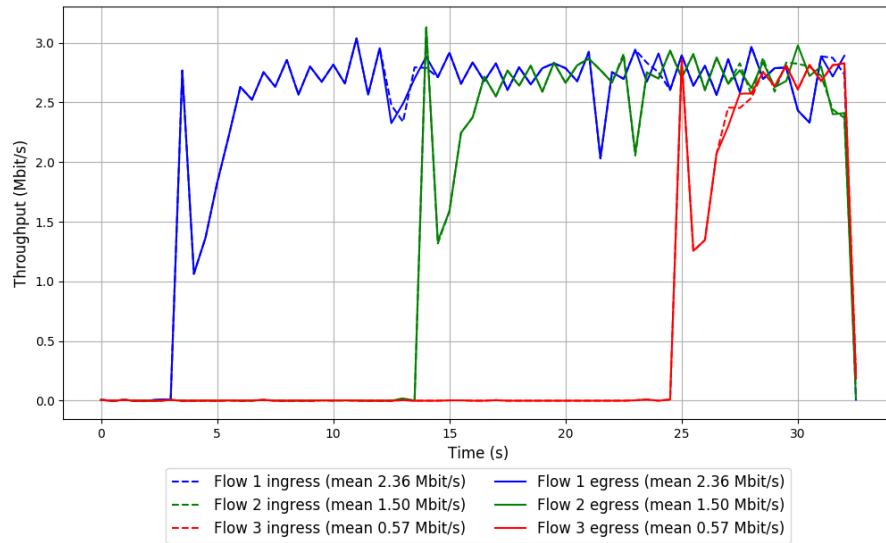


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-13 19:21:49
End at: 2018-02-13 19:22:19
Local clock offset: -4.245 ms
Remote clock offset: -4.249 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 8.267 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 9.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 7.067 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 6.388 ms
Loss rate: 0.15%
```

Run 8: Report of WebRTC media — Data Link

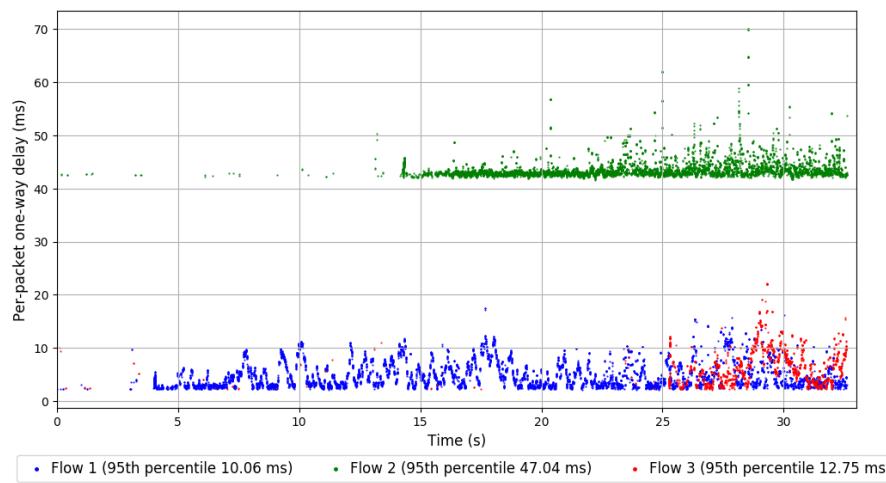
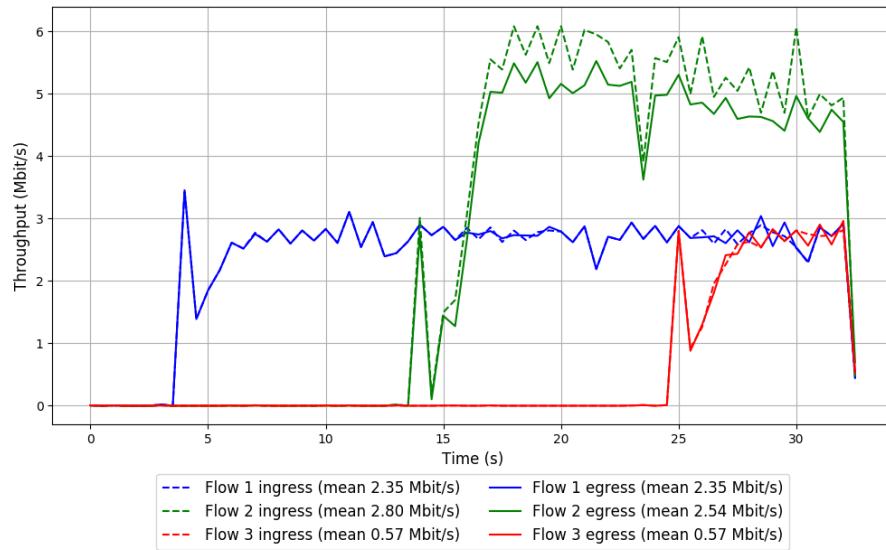


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-13 19:42:18
End at: 2018-02-13 19:42:48
Local clock offset: -5.023 ms
Remote clock offset: -3.519 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 45.325 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 10.058 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 47.042 ms
Loss rate: 9.25%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 12.749 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

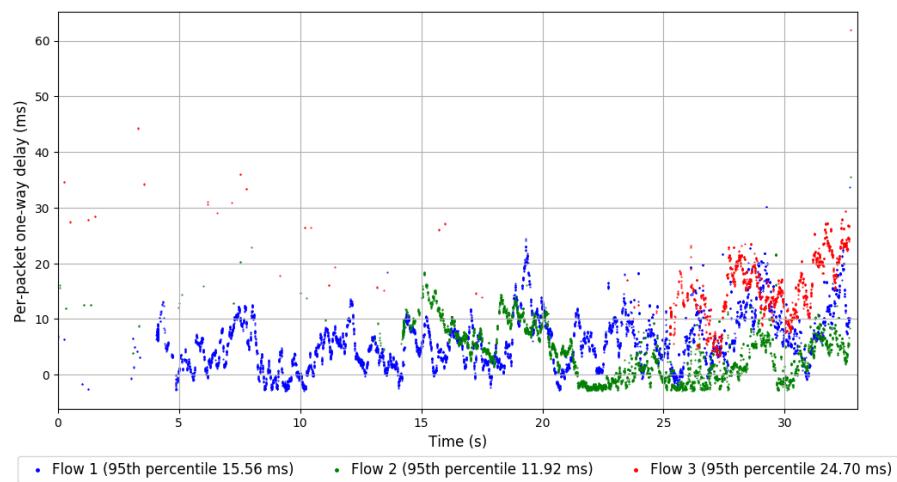
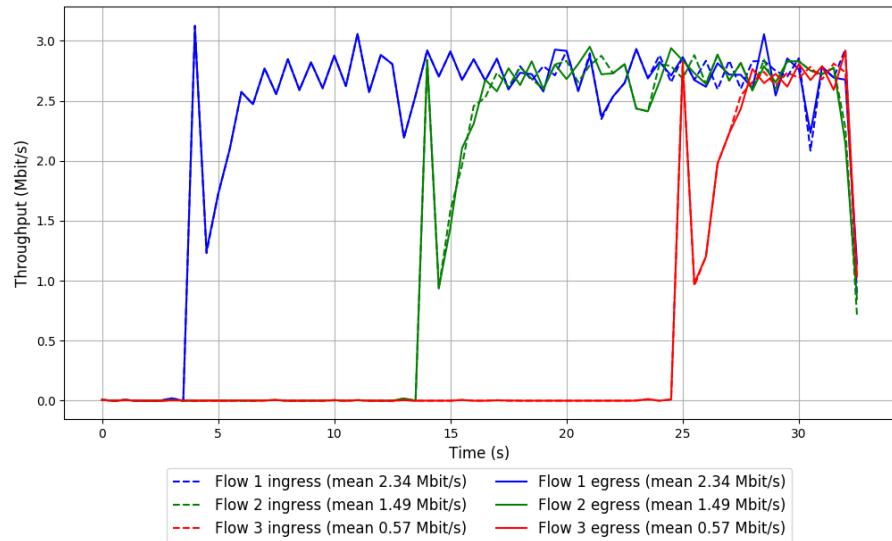


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-02-13 20:02:45
End at: 2018-02-13 20:03:15
Local clock offset: -0.324 ms
Remote clock offset: -4.101 ms

# Below is generated by plot.py at 2018-02-13 20:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 19.060 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 15.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 11.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 24.703 ms
Loss rate: 0.05%
```

Run 10: Report of WebRTC media — Data Link

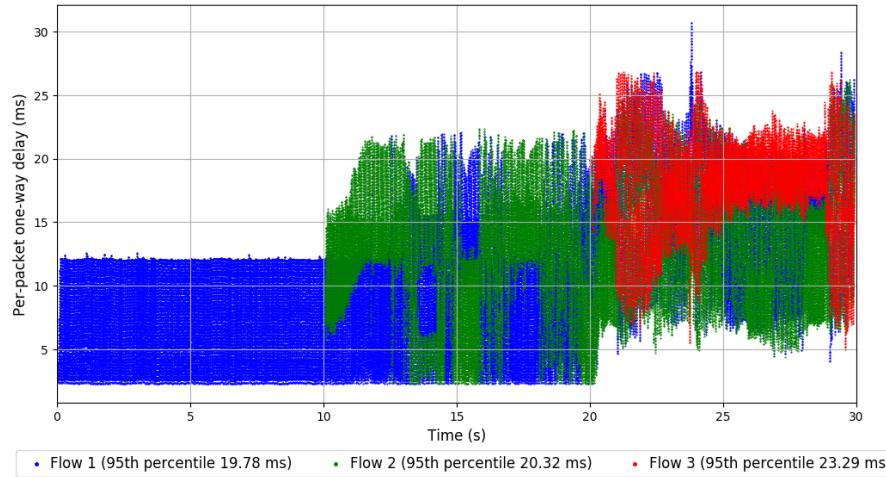
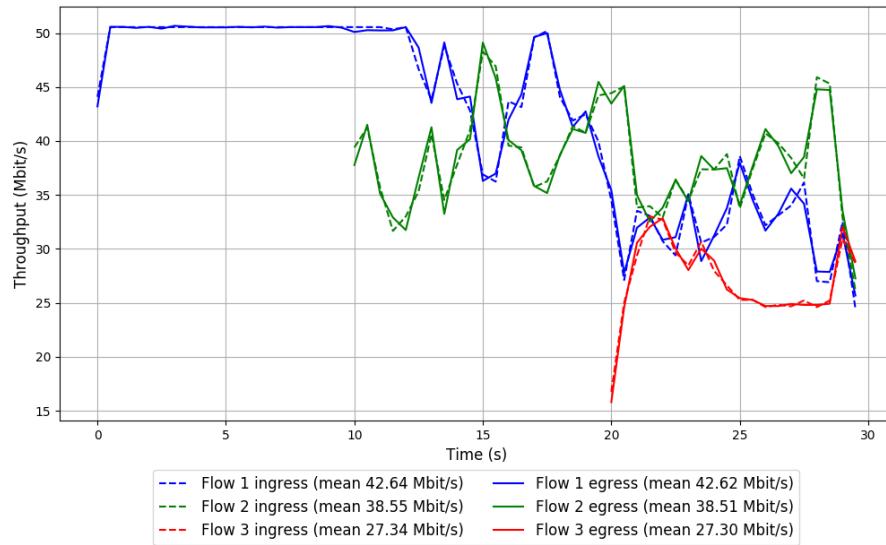


Run 1: Statistics of Sprout

```
Start at: 2018-02-13 16:53:59
End at: 2018-02-13 16:54:30
Local clock offset: -5.304 ms
Remote clock offset: -5.332 ms

# Below is generated by plot.py at 2018-02-13 20:52:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 20.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 19.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 20.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 23.289 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

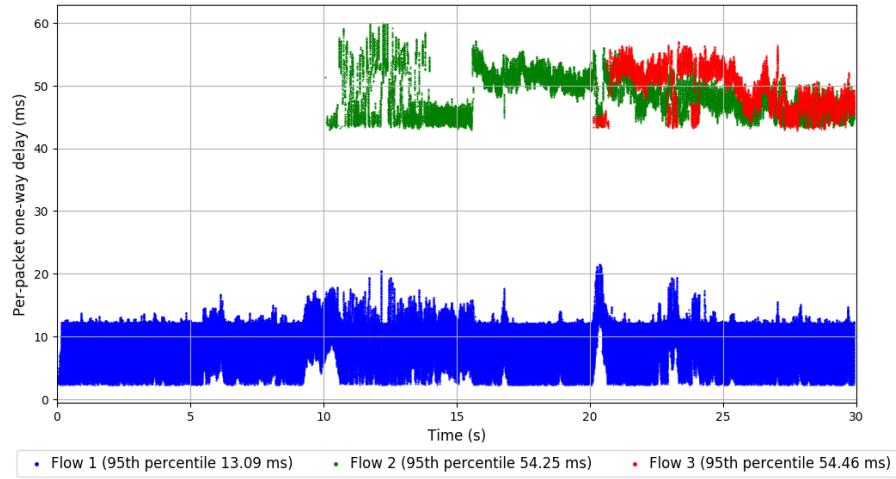
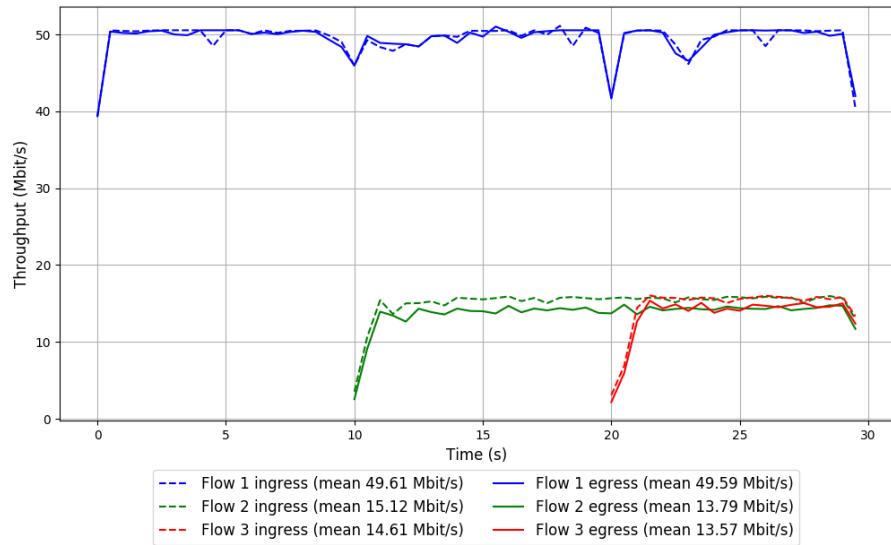


Run 2: Statistics of Sprout

```
Start at: 2018-02-13 17:14:30
End at: 2018-02-13 17:15:00
Local clock offset: -4.985 ms
Remote clock offset: -4.851 ms

# Below is generated by plot.py at 2018-02-13 20:52:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 51.796 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 13.087 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.79 Mbit/s
95th percentile per-packet one-way delay: 54.246 ms
Loss rate: 8.96%
-- Flow 3:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 54.456 ms
Loss rate: 7.52%
```

Run 2: Report of Sprout — Data Link

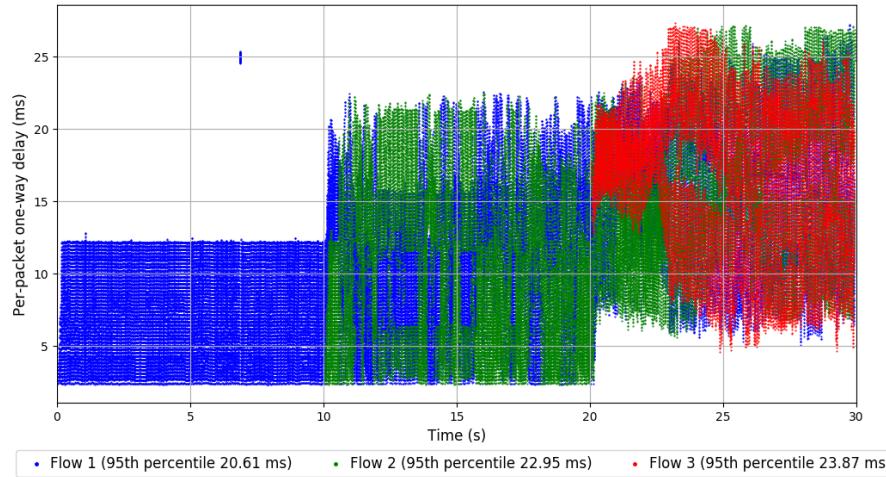
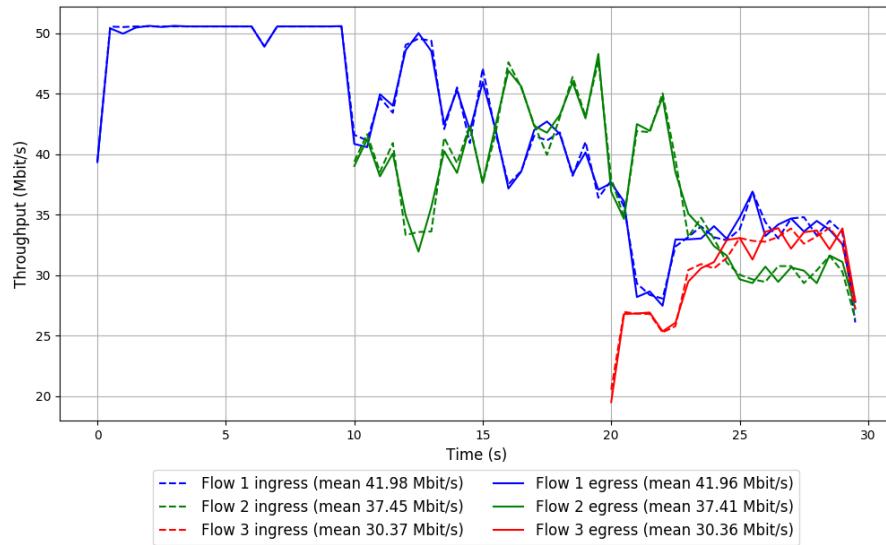


Run 3: Statistics of Sprout

```
Start at: 2018-02-13 17:34:58
End at: 2018-02-13 17:35:28
Local clock offset: -3.748 ms
Remote clock offset: -4.442 ms

# Below is generated by plot.py at 2018-02-13 20:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.87 Mbit/s
95th percentile per-packet one-way delay: 22.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 20.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 22.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 23.871 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

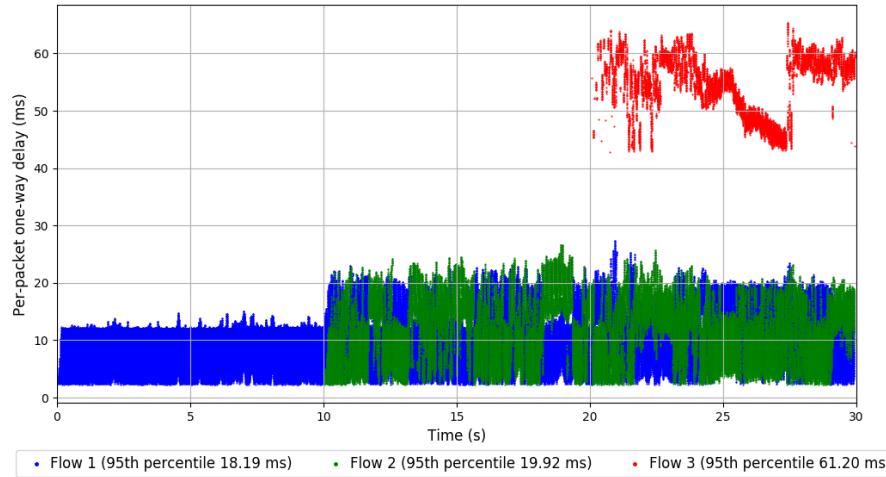
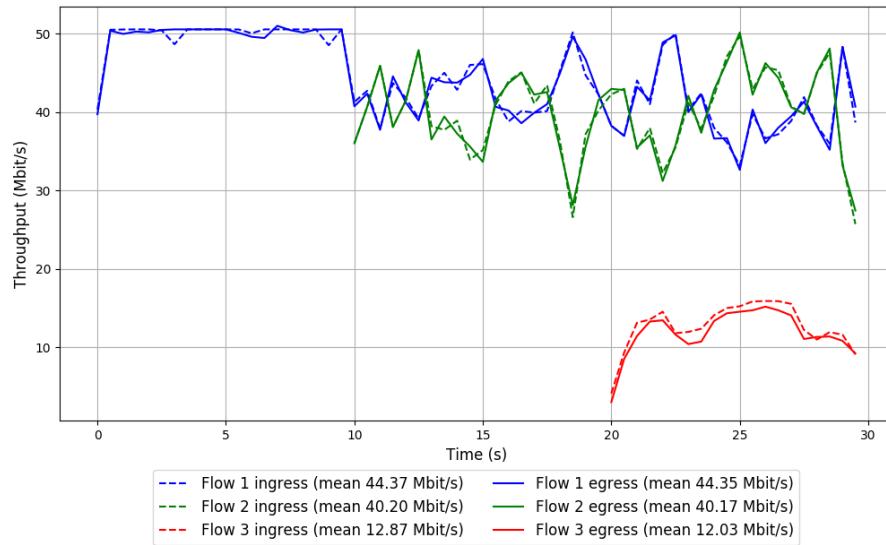


Run 4: Statistics of Sprout

```
Start at: 2018-02-13 17:55:25
End at: 2018-02-13 17:55:55
Local clock offset: -3.756 ms
Remote clock offset: -4.384 ms

# Below is generated by plot.py at 2018-02-13 20:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.01 Mbit/s
95th percentile per-packet one-way delay: 45.684 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 44.35 Mbit/s
95th percentile per-packet one-way delay: 18.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 19.916 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 61.200 ms
Loss rate: 6.66%
```

Run 4: Report of Sprout — Data Link

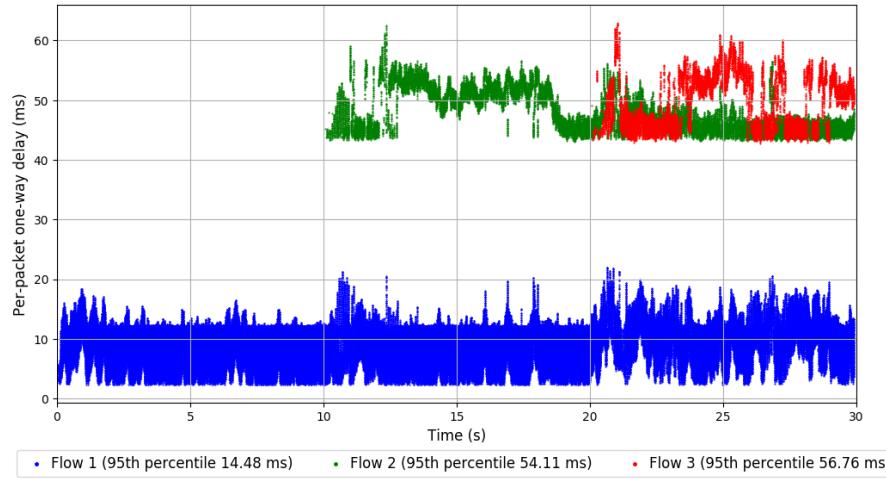
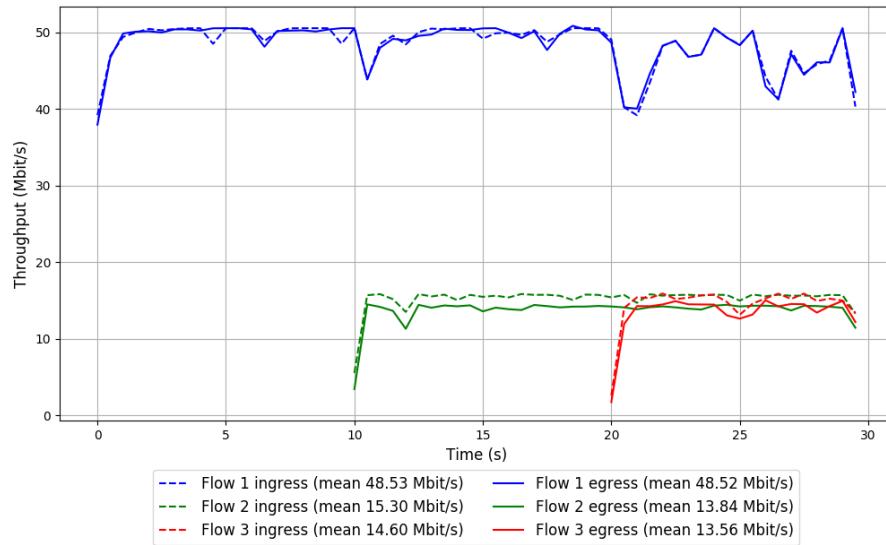


Run 5: Statistics of Sprout

```
Start at: 2018-02-13 18:15:51
End at: 2018-02-13 18:16:21
Local clock offset: -3.974 ms
Remote clock offset: -4.176 ms

# Below is generated by plot.py at 2018-02-13 20:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 52.225 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 14.478 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 54.106 ms
Loss rate: 9.80%
-- Flow 3:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 56.763 ms
Loss rate: 7.48%
```

Run 5: Report of Sprout — Data Link

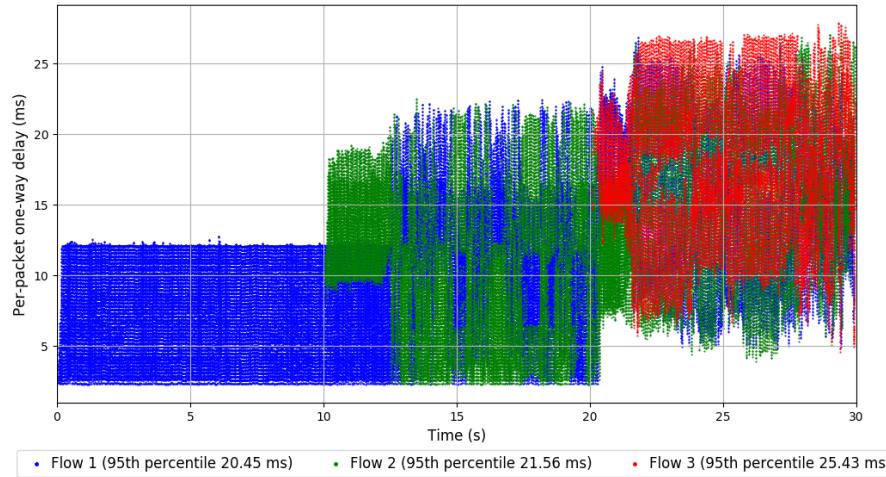
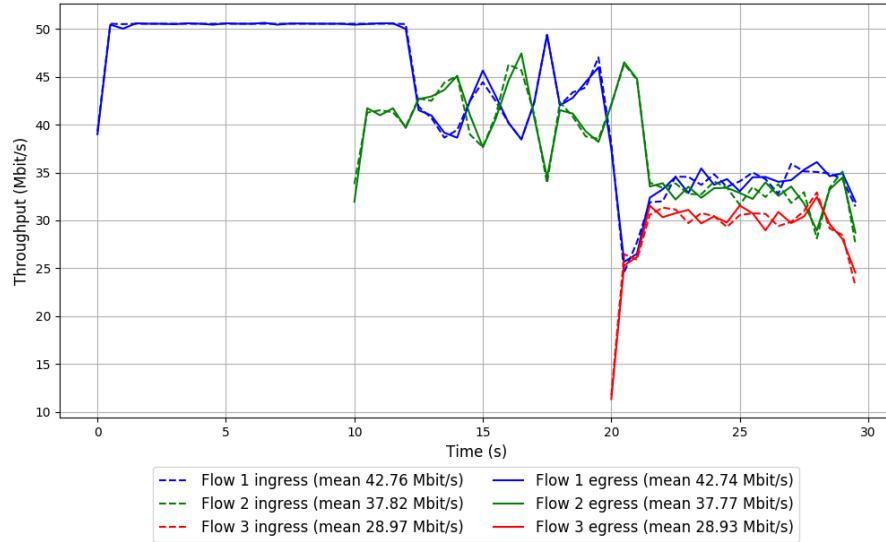


Run 6: Statistics of Sprout

```
Start at: 2018-02-13 18:36:19
End at: 2018-02-13 18:36:49
Local clock offset: -4.554 ms
Remote clock offset: -4.091 ms

# Below is generated by plot.py at 2018-02-13 20:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 22.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 20.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 21.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 25.430 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

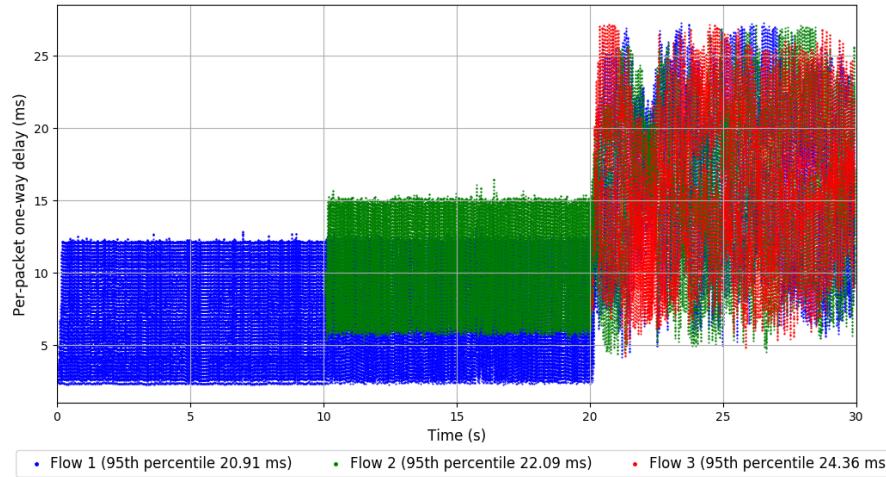
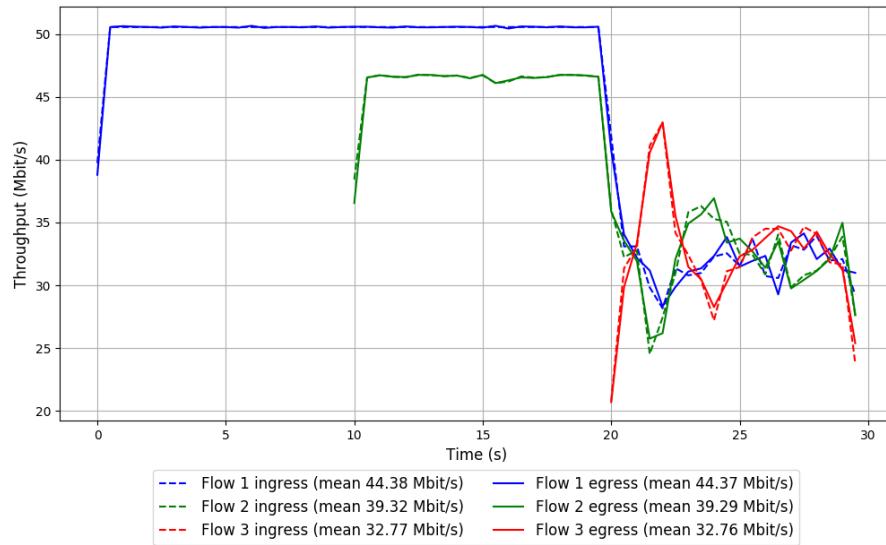


Run 7: Statistics of Sprout

```
Start at: 2018-02-13 18:56:46
End at: 2018-02-13 18:57:16
Local clock offset: -4.797 ms
Remote clock offset: -4.123 ms

# Below is generated by plot.py at 2018-02-13 20:53:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 22.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 20.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 22.095 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 24.355 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

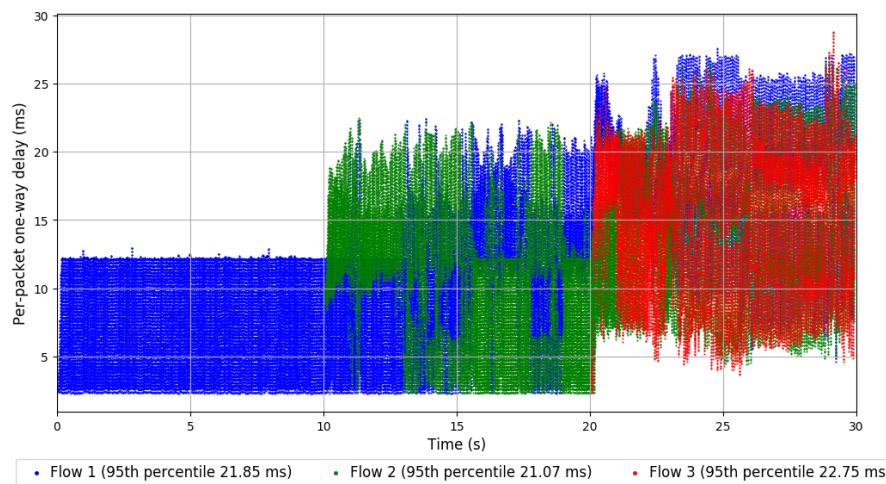
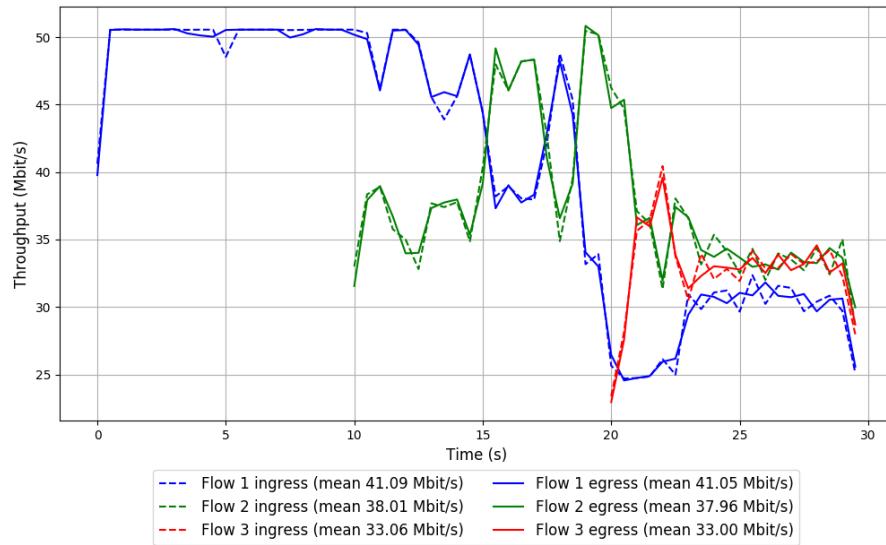


Run 8: Statistics of Sprout

```
Start at: 2018-02-13 19:17:16
End at: 2018-02-13 19:17:46
Local clock offset: -4.356 ms
Remote clock offset: -4.26 ms

# Below is generated by plot.py at 2018-02-13 20:53:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 21.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 21.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 22.745 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

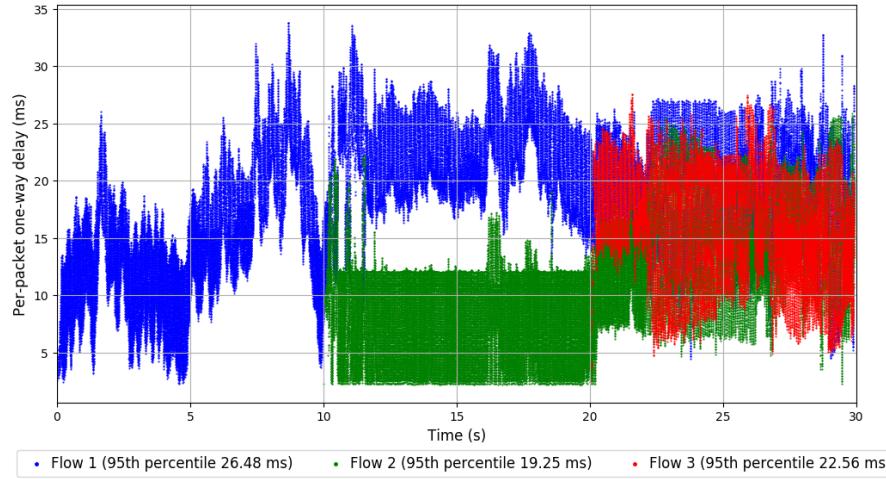
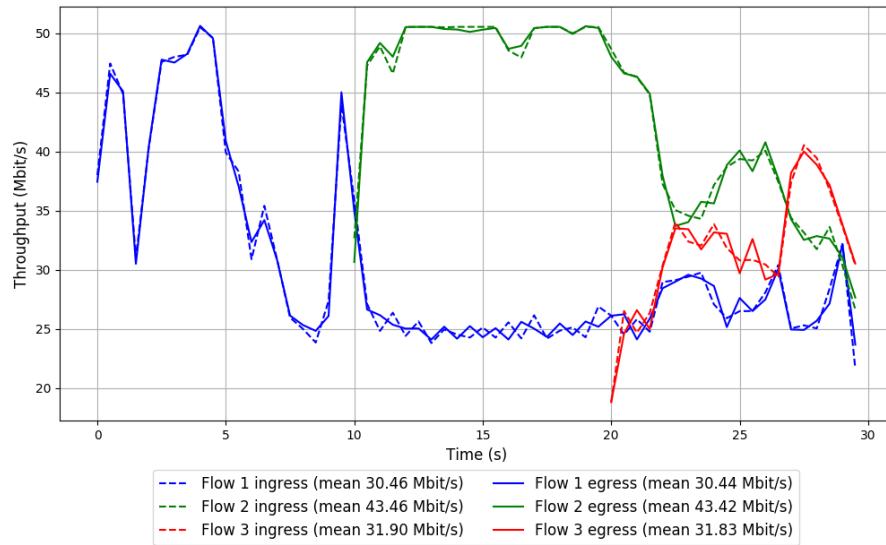


Run 9: Statistics of Sprout

```
Start at: 2018-02-13 19:37:45
End at: 2018-02-13 19:38:15
Local clock offset: -4.759 ms
Remote clock offset: -3.61 ms

# Below is generated by plot.py at 2018-02-13 20:53:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 24.787 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 26.481 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.42 Mbit/s
95th percentile per-packet one-way delay: 19.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 22.564 ms
Loss rate: 0.12%
```

Run 9: Report of Sprout — Data Link

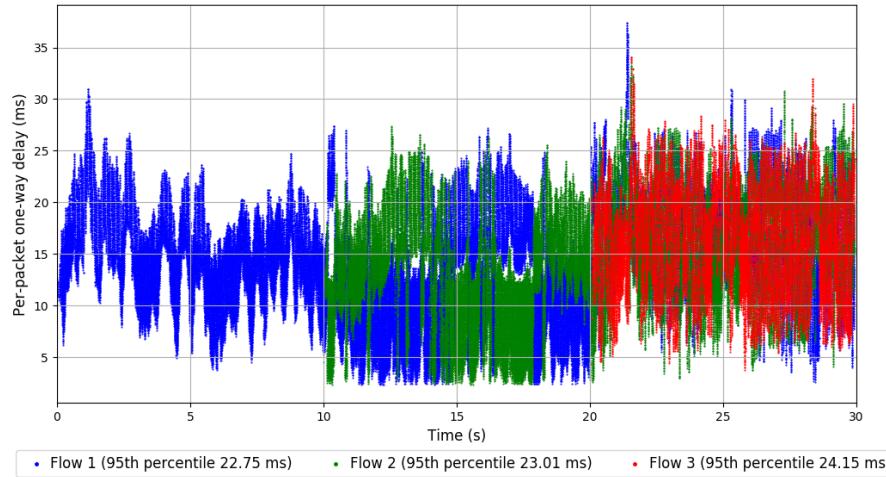
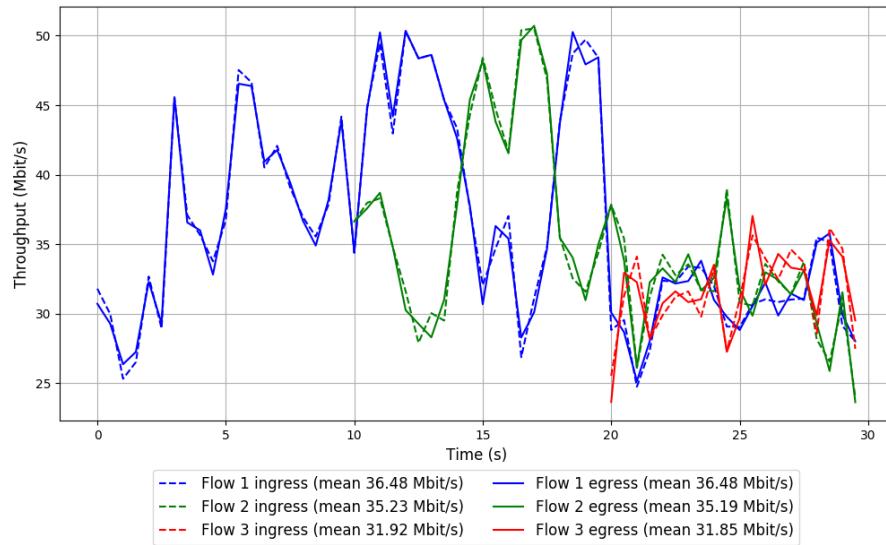


Run 10: Statistics of Sprout

```
Start at: 2018-02-13 19:58:12
End at: 2018-02-13 19:58:42
Local clock offset: -5.478 ms
Remote clock offset: -3.31 ms

# Below is generated by plot.py at 2018-02-13 20:53:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 23.150 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 22.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 23.007 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 24.151 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

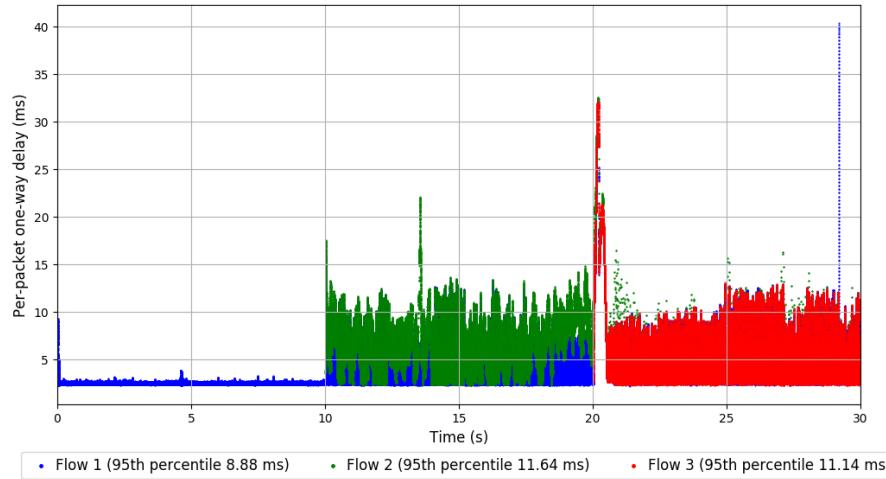
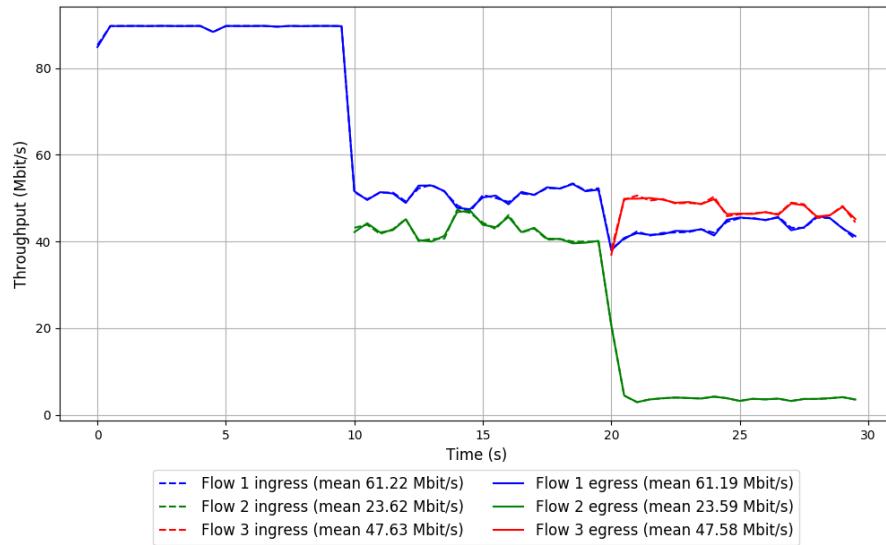


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-13 17:12:09
End at: 2018-02-13 17:12:39
Local clock offset: -5.0 ms
Remote clock offset: -4.955 ms

# Below is generated by plot.py at 2018-02-13 20:54:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 10.193 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 8.878 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 11.636 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 11.140 ms
Loss rate: 0.06%
```

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

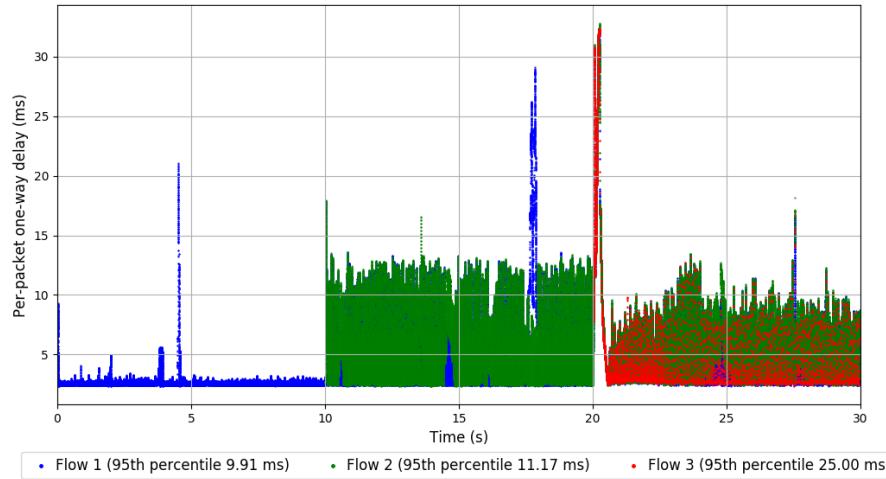
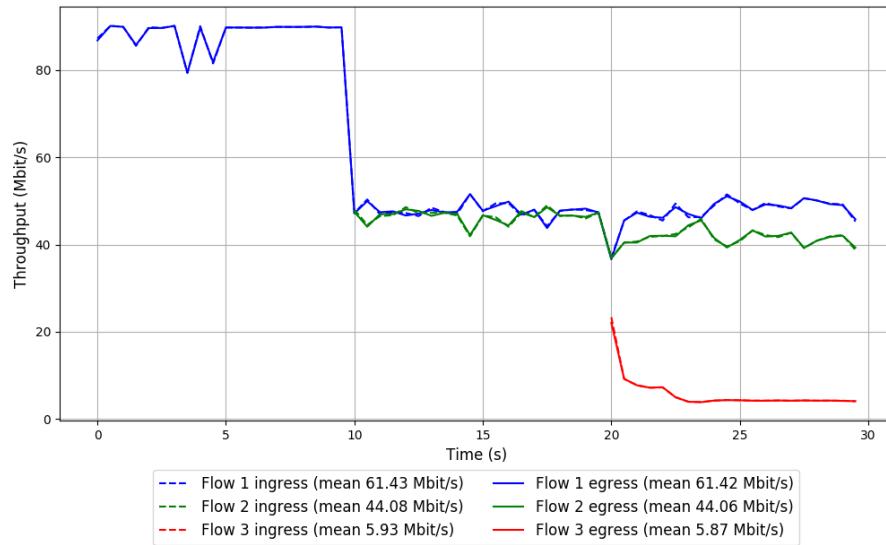


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-13 17:32:38
End at: 2018-02-13 17:33:08
Local clock offset: -3.912 ms
Remote clock offset: -4.496 ms

# Below is generated by plot.py at 2018-02-13 20:54:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 10.605 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 9.906 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 11.171 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 24.996 ms
Loss rate: 0.98%
```

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

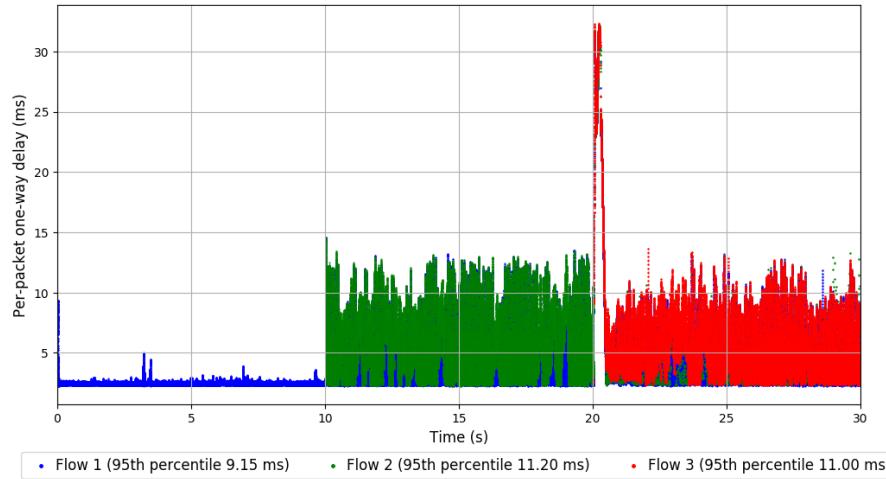
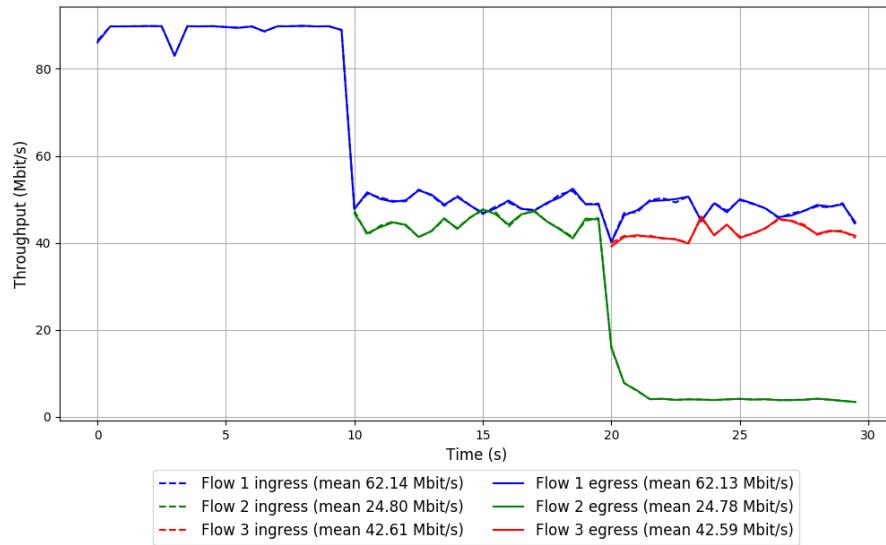


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-13 17:53:05
End at: 2018-02-13 17:53:35
Local clock offset: -3.585 ms
Remote clock offset: -4.327 ms

# Below is generated by plot.py at 2018-02-13 20:54:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 10.116 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 9.152 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 11.201 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 11.003 ms
Loss rate: 0.05%
```

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

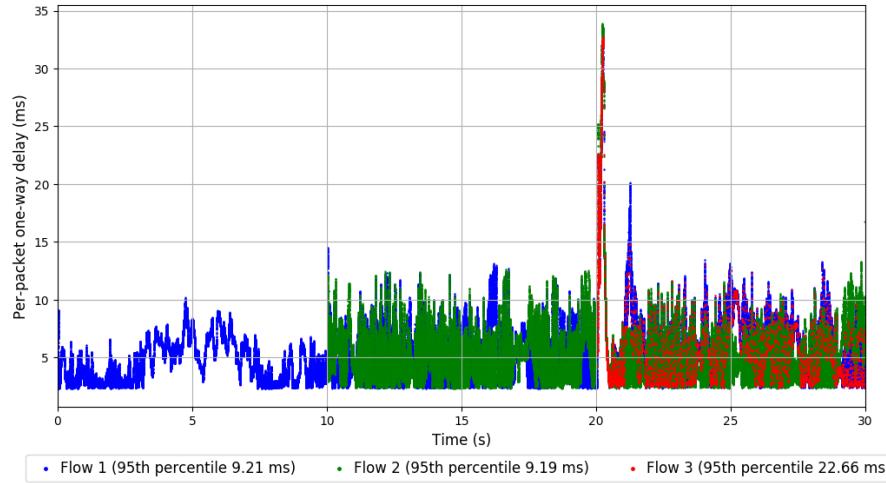
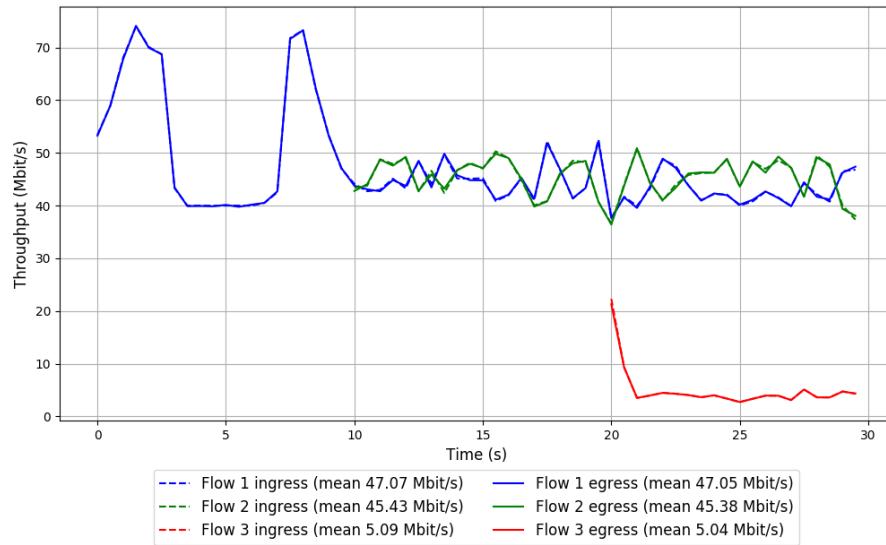


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-13 18:13:31
End at: 2018-02-13 18:14:01
Local clock offset: -4.052 ms
Remote clock offset: -4.265 ms

# Below is generated by plot.py at 2018-02-13 20:54:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 9.332 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 9.212 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 22.657 ms
Loss rate: 0.96%
```

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

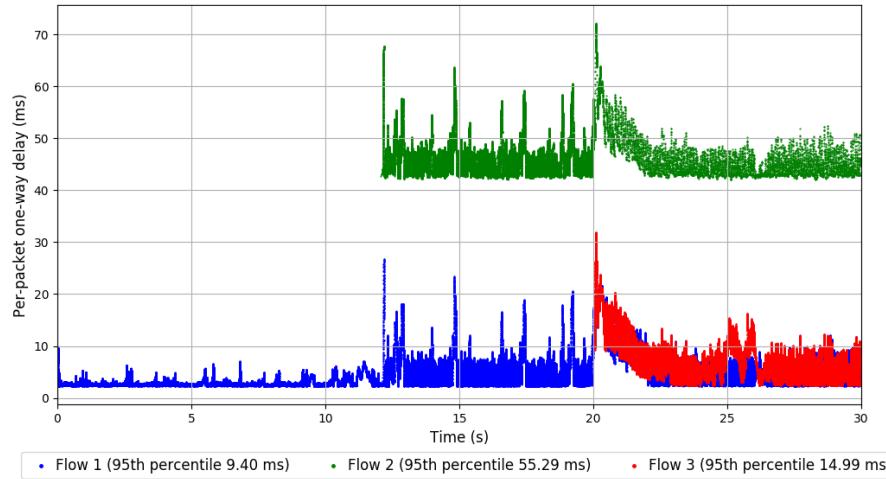
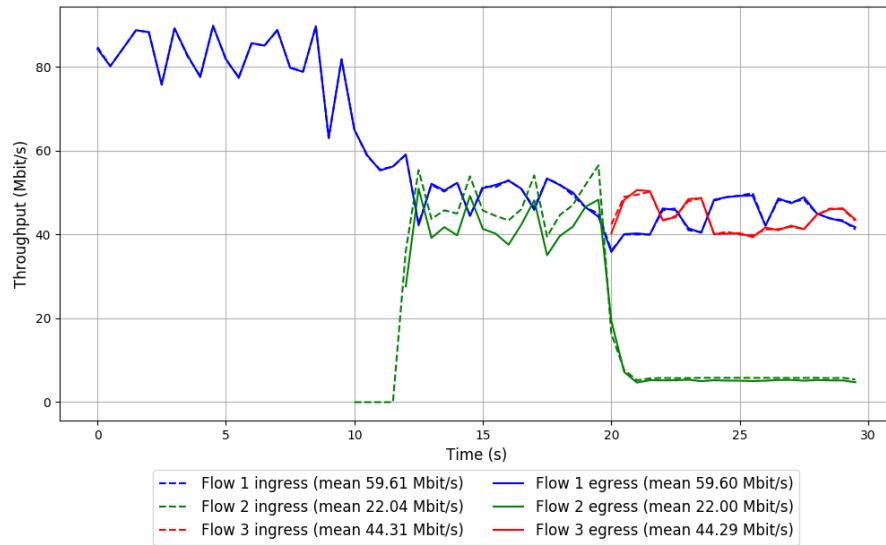


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-13 18:33:59
End at: 2018-02-13 18:34:29
Local clock offset: -4.506 ms
Remote clock offset: -4.1 ms

# Below is generated by plot.py at 2018-02-13 20:55:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 46.790 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 9.404 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 55.288 ms
Loss rate: 10.38%
-- Flow 3:
Average throughput: 44.29 Mbit/s
95th percentile per-packet one-way delay: 14.994 ms
Loss rate: 0.11%
```

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

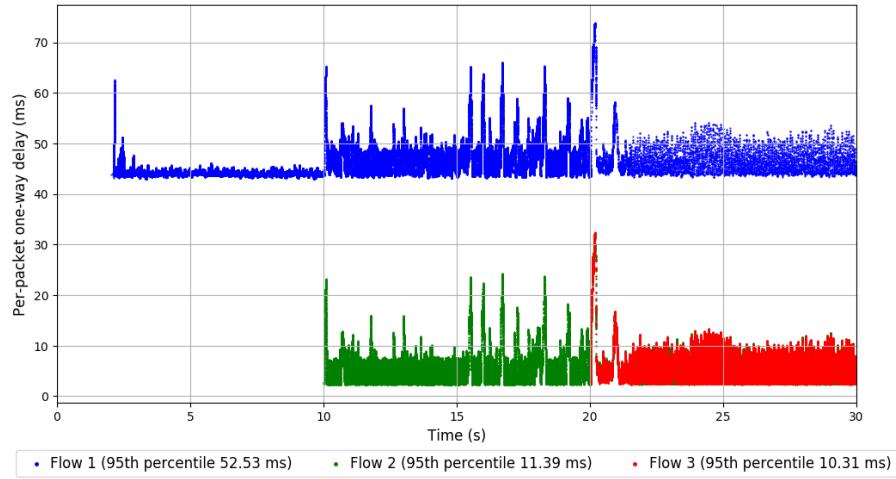
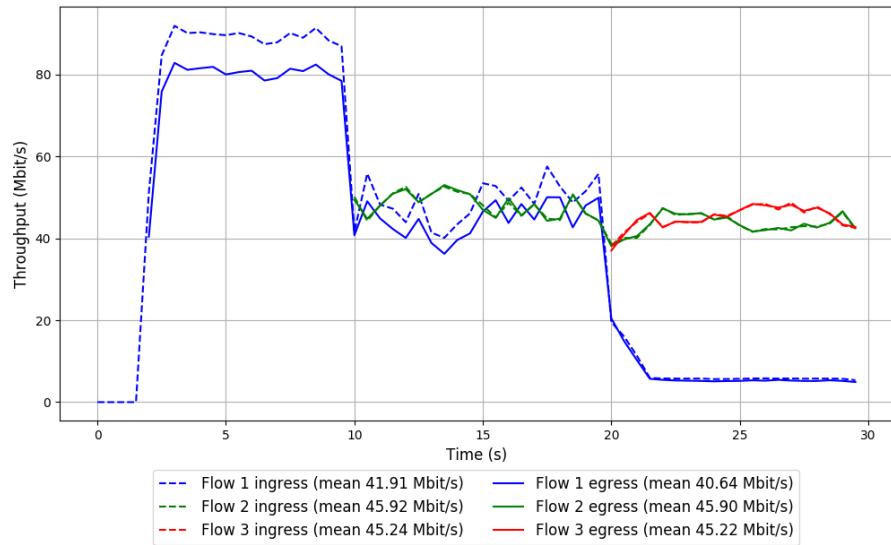


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-13 18:54:28
End at: 2018-02-13 18:54:58
Local clock offset: -4.792 ms
Remote clock offset: -4.089 ms

# Below is generated by plot.py at 2018-02-13 20:55:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 49.171 ms
Loss rate: 4.62%
-- Flow 1:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 52.527 ms
Loss rate: 9.61%
-- Flow 2:
Average throughput: 45.90 Mbit/s
95th percentile per-packet one-way delay: 11.394 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 10.311 ms
Loss rate: 0.06%
```

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

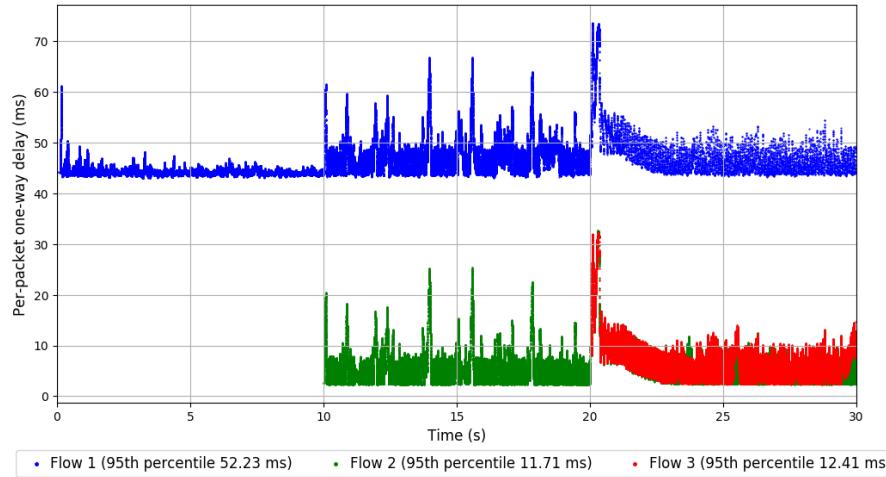
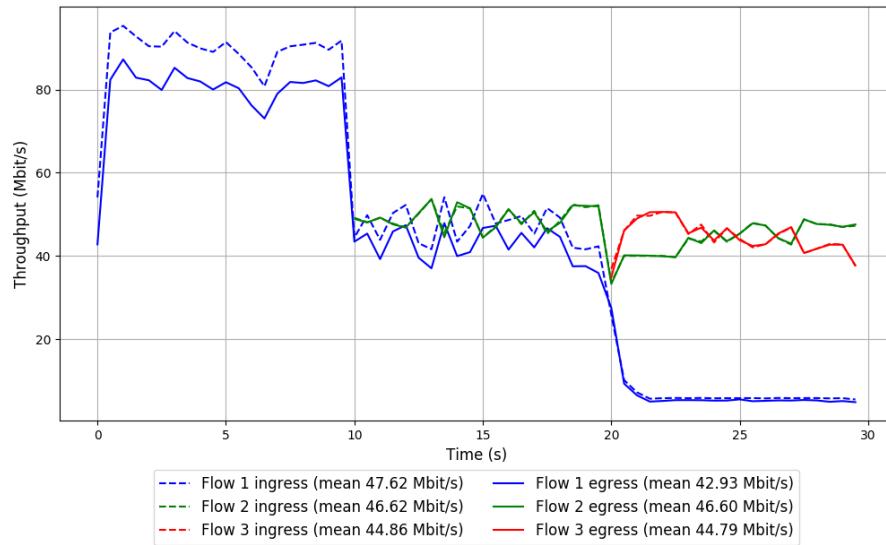


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-13 19:14:56
End at: 2018-02-13 19:15:26
Local clock offset: -4.369 ms
Remote clock offset: -4.225 ms

# Below is generated by plot.py at 2018-02-13 20:55:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 48.950 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 52.233 ms
Loss rate: 9.96%
-- Flow 2:
Average throughput: 46.60 Mbit/s
95th percentile per-packet one-way delay: 11.713 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 12.408 ms
Loss rate: 0.18%
```

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

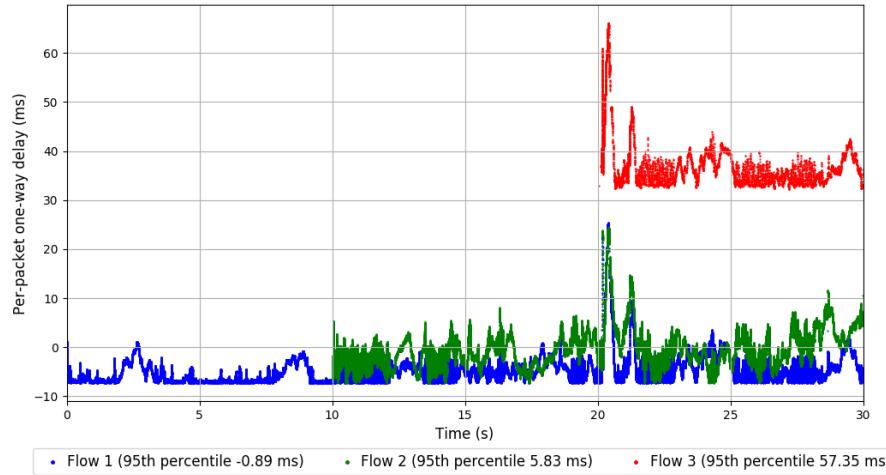
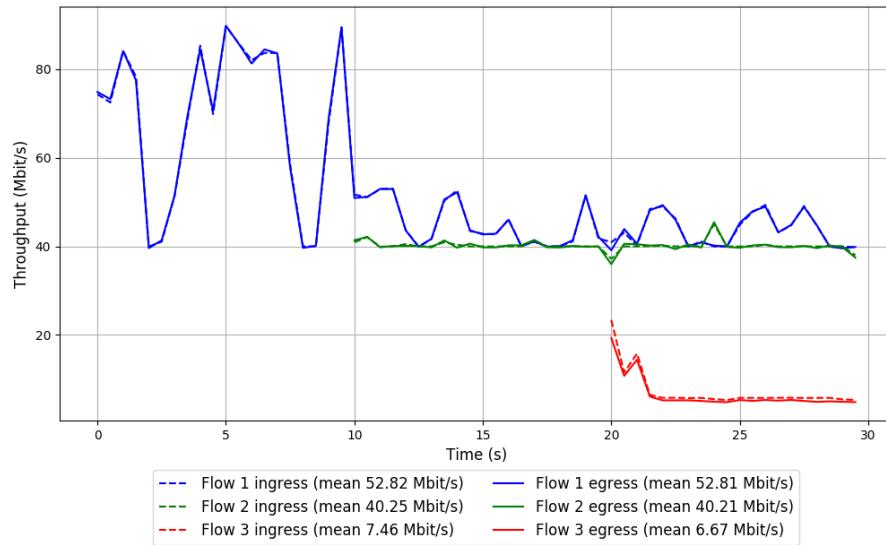


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-13 19:35:25
End at: 2018-02-13 19:35:55
Local clock offset: -4.628 ms
Remote clock offset: -13.391 ms

# Below is generated by plot.py at 2018-02-13 20:55:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.79 Mbit/s
95th percentile per-packet one-way delay: 5.653 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 52.81 Mbit/s
95th percentile per-packet one-way delay: -0.890 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 5.832 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 57.349 ms
Loss rate: 10.86%
```

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

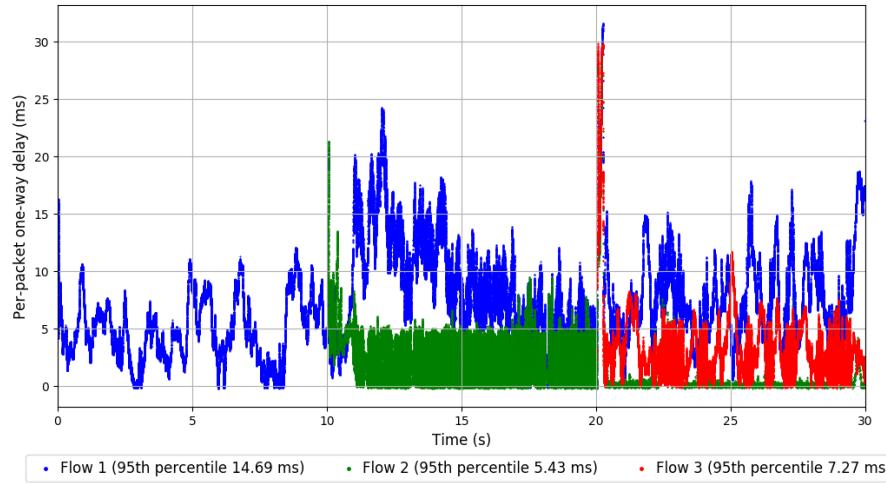
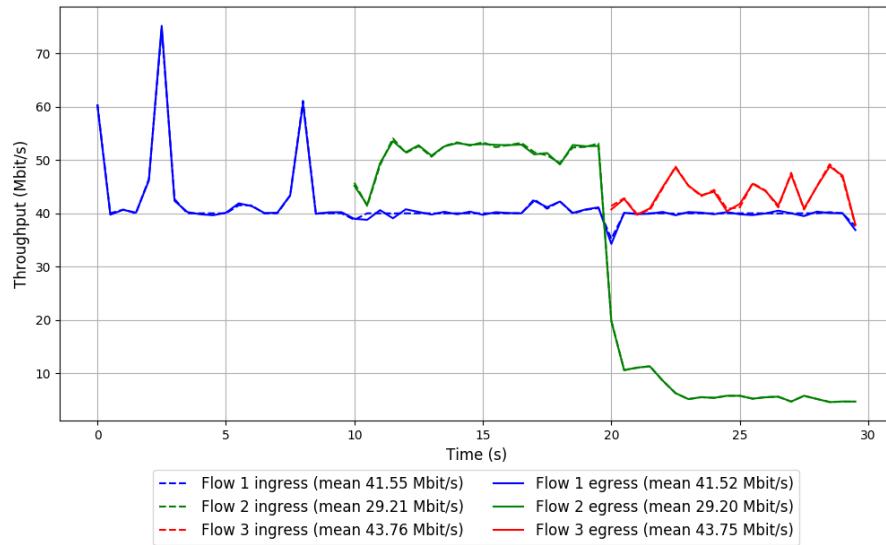


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-13 19:55:54
End at: 2018-02-13 19:56:24
Local clock offset: -5.433 ms
Remote clock offset: -5.829 ms

# Below is generated by plot.py at 2018-02-13 20:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.48 Mbit/s
95th percentile per-packet one-way delay: 13.246 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 14.689 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 5.434 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 43.75 Mbit/s
95th percentile per-packet one-way delay: 7.272 ms
Loss rate: 0.05%
```

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

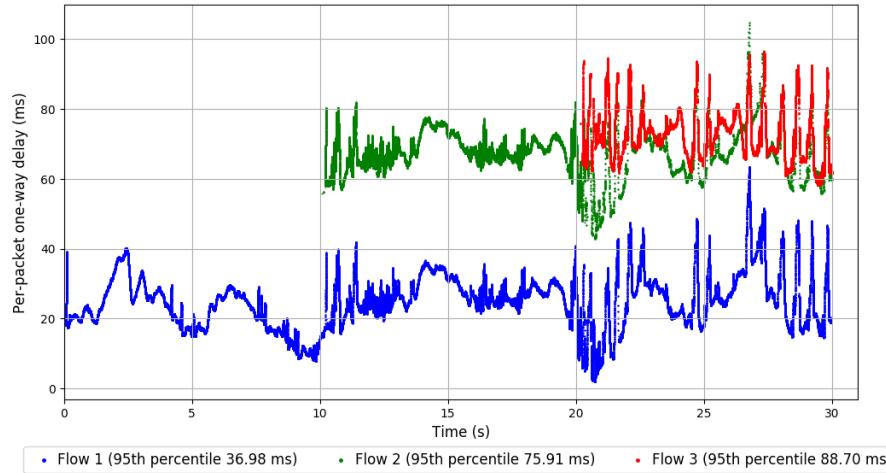
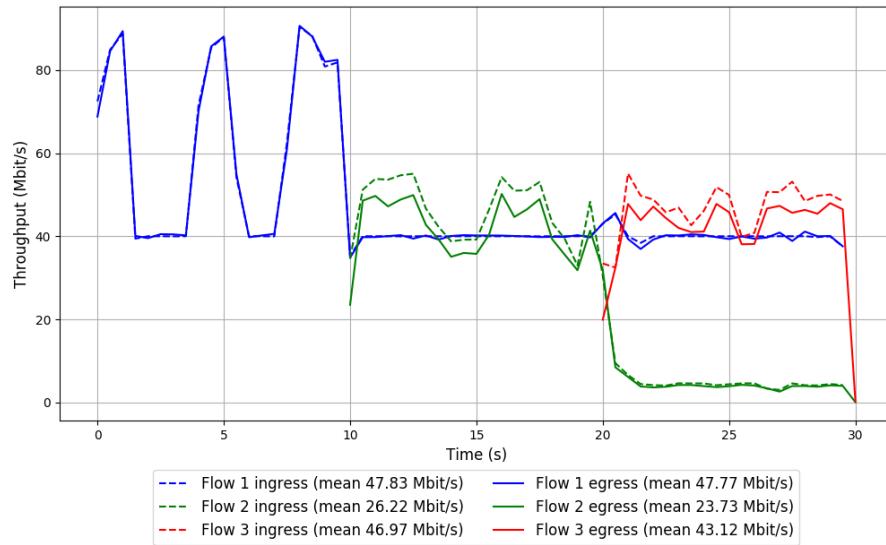


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-13 20:16:39
End at: 2018-02-13 20:17:09
Local clock offset: 5.477 ms
Remote clock offset: -7.471 ms

# Below is generated by plot.py at 2018-02-13 20:57:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.76 Mbit/s
95th percentile per-packet one-way delay: 77.277 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 36.977 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 75.906 ms
Loss rate: 9.58%
-- Flow 3:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 88.702 ms
Loss rate: 8.47%
```

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

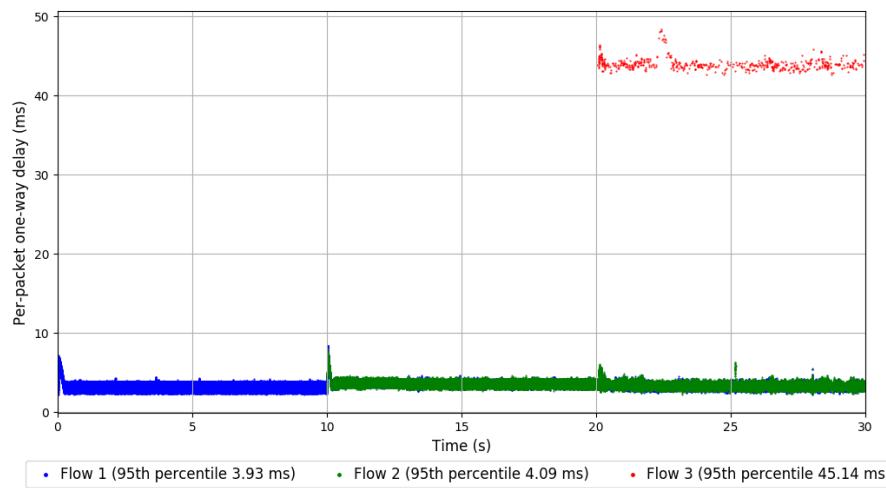
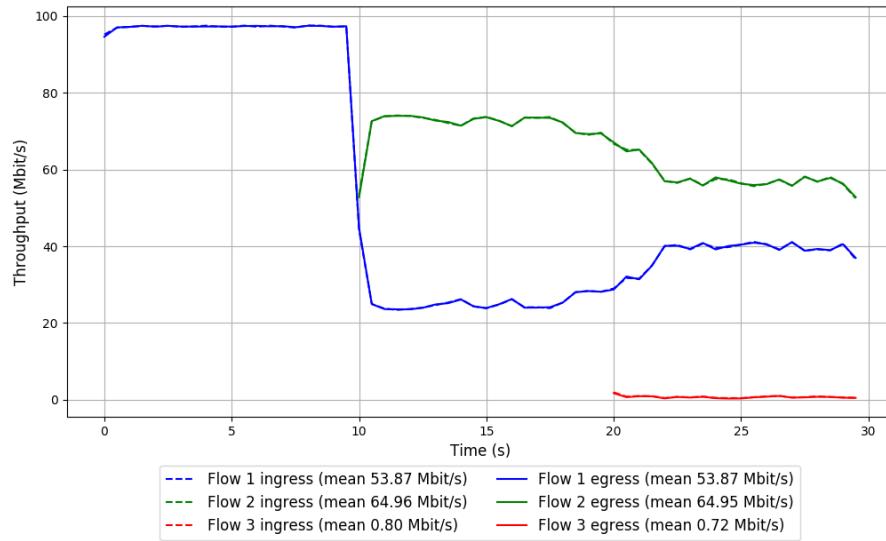


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-13 17:05:17
End at: 2018-02-13 17:05:47
Local clock offset: -5.041 ms
Remote clock offset: -5.3 ms

# Below is generated by plot.py at 2018-02-13 20:57:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 4.047 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 3.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 4.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 45.141 ms
Loss rate: 10.03%
```

Run 1: Report of TCP Vegas — Data Link

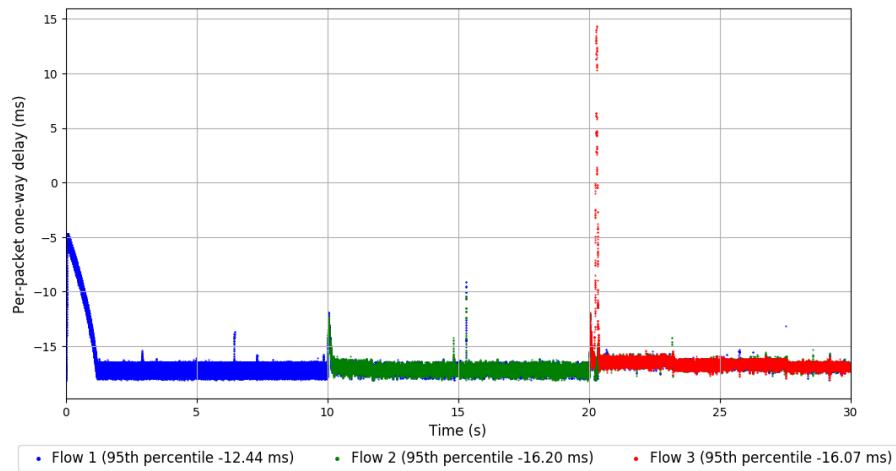
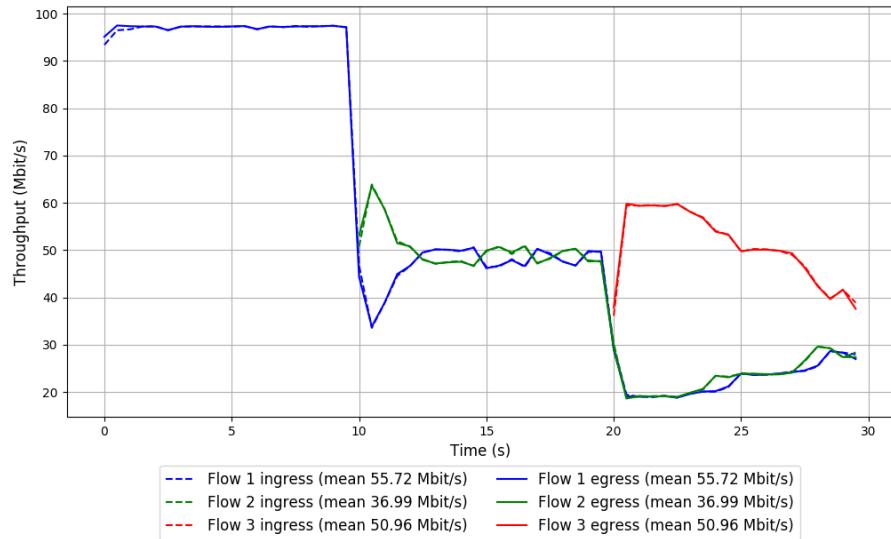


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-13 17:25:47
End at: 2018-02-13 17:26:17
Local clock offset: -4.222 ms
Remote clock offset: -25.094 ms

# Below is generated by plot.py at 2018-02-13 20:57:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: -15.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: -12.437 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: -16.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: -16.065 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

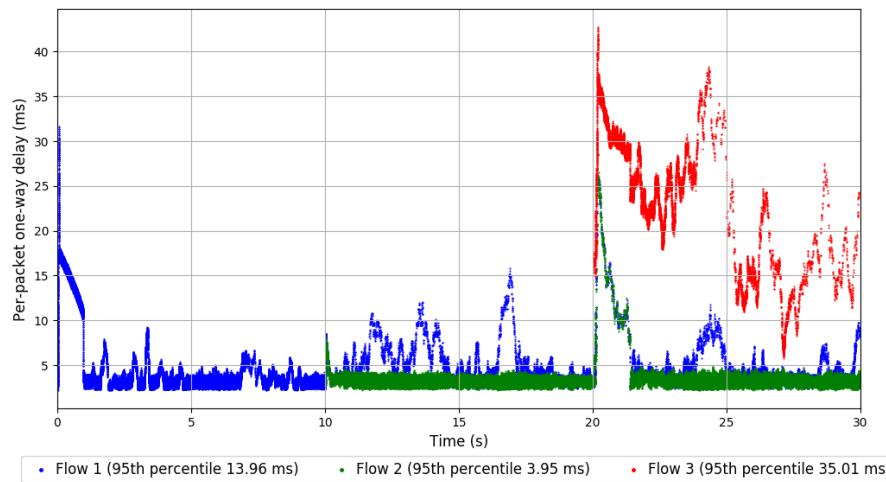
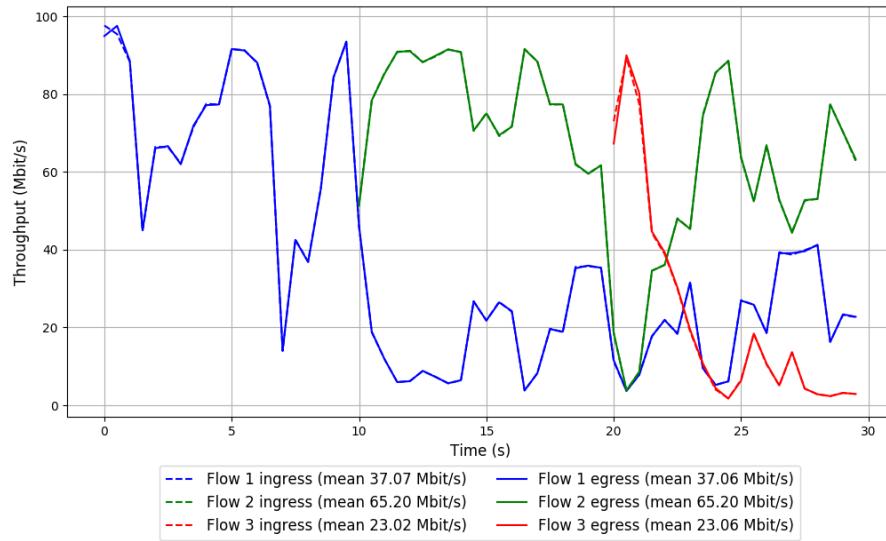


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-13 17:46:13
End at: 2018-02-13 17:46:43
Local clock offset: -3.406 ms
Remote clock offset: -4.386 ms

# Below is generated by plot.py at 2018-02-13 20:57:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 25.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 13.961 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 3.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 35.007 ms
Loss rate: 0.03%
```

Run 3: Report of TCP Vegas — Data Link

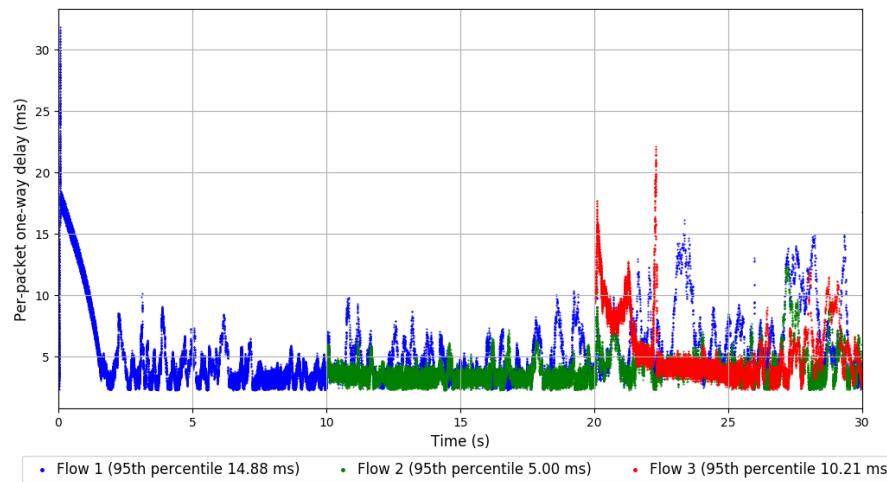
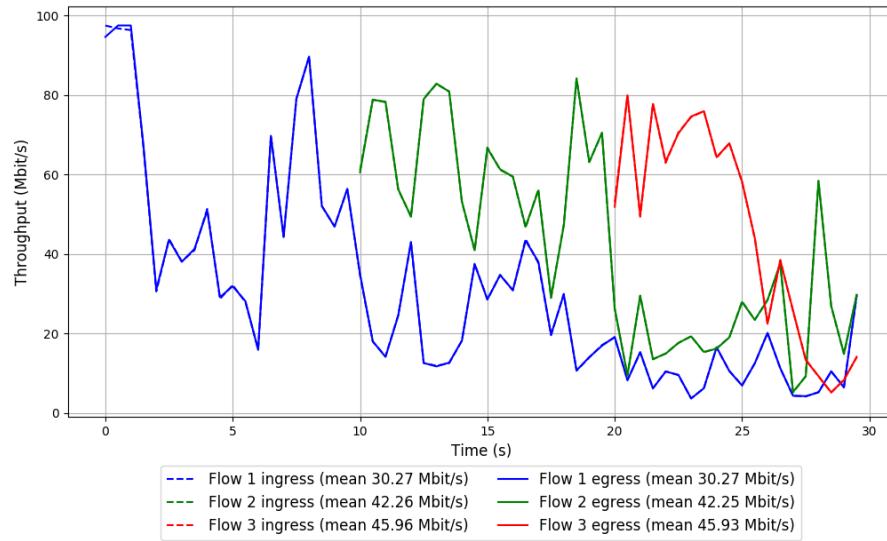


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-13 18:06:41
End at: 2018-02-13 18:07:11
Local clock offset: -3.944 ms
Remote clock offset: -4.249 ms

# Below is generated by plot.py at 2018-02-13 20:57:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 11.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 14.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 5.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 10.205 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

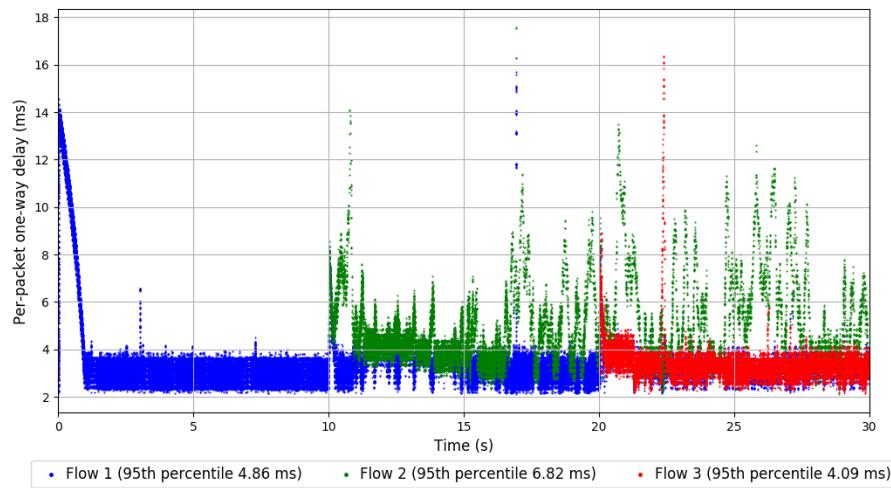
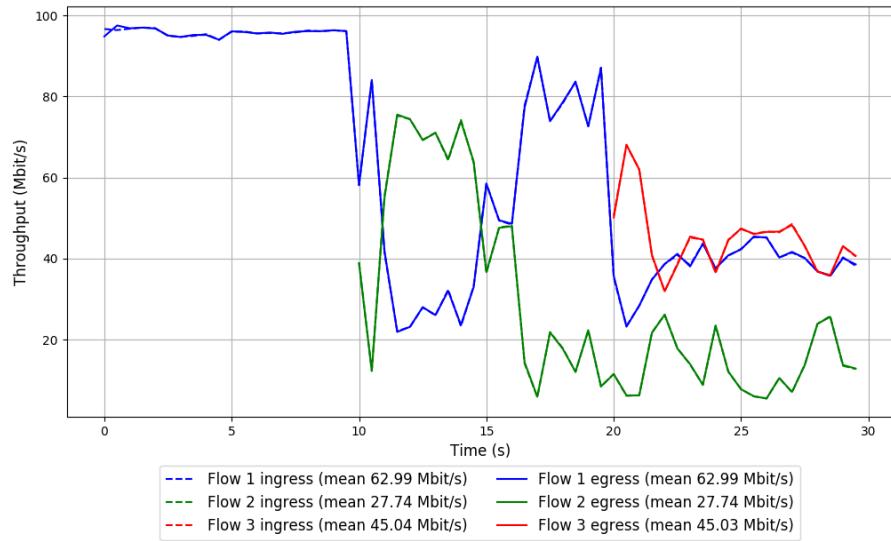


Run 5: Statistics of TCP Vegas

```
Start at: 2018-02-13 18:27:07
End at: 2018-02-13 18:27:37
Local clock offset: -4.131 ms
Remote clock offset: -4.205 ms

# Below is generated by plot.py at 2018-02-13 20:57:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 5.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 4.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 6.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.03 Mbit/s
95th percentile per-packet one-way delay: 4.091 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

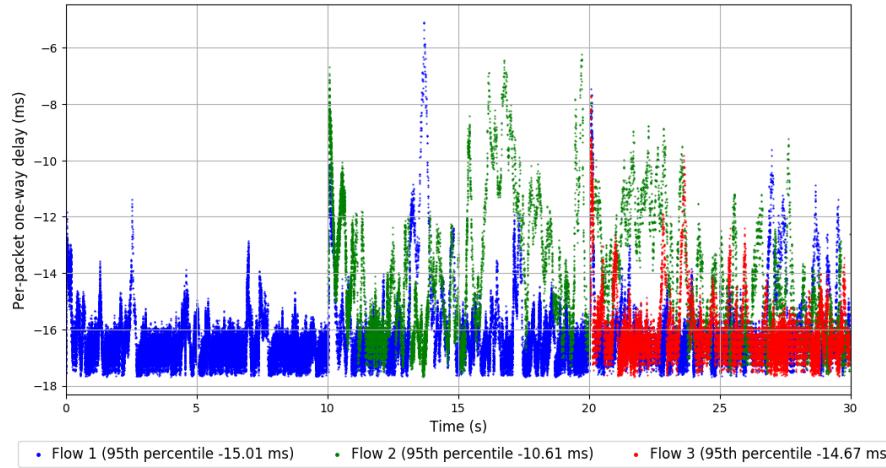
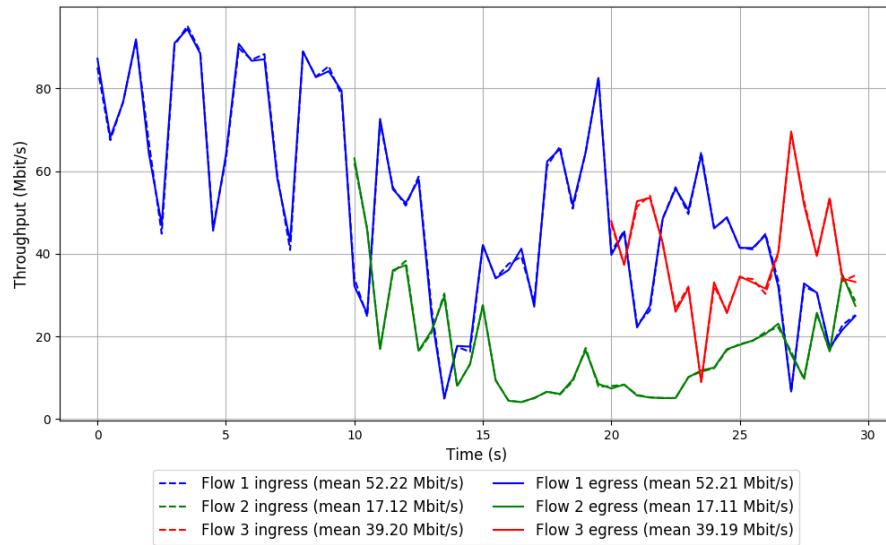


Run 6: Statistics of TCP Vegas

```
Start at: 2018-02-13 18:47:37
End at: 2018-02-13 18:48:07
Local clock offset: -4.718 ms
Remote clock offset: -23.948 ms

# Below is generated by plot.py at 2018-02-13 20:57:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: -13.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: -15.013 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.11 Mbit/s
95th percentile per-packet one-way delay: -10.612 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: -14.672 ms
Loss rate: 0.01%
```

Run 6: Report of TCP Vegas — Data Link

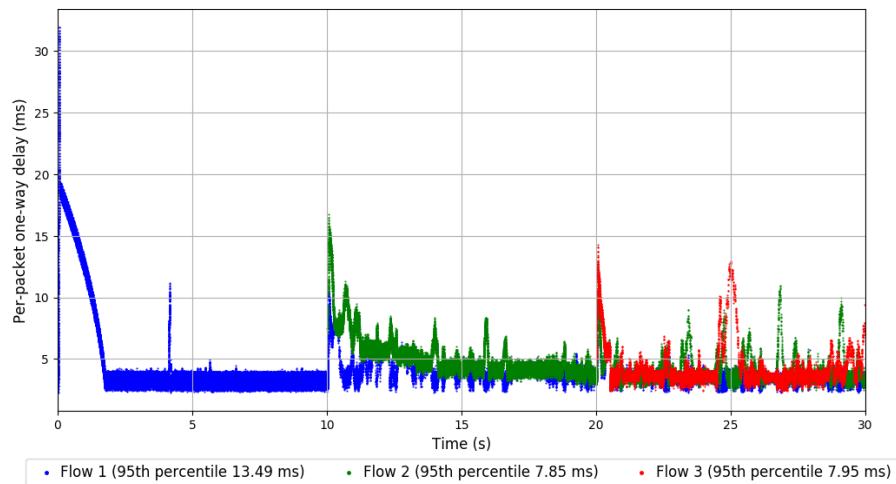
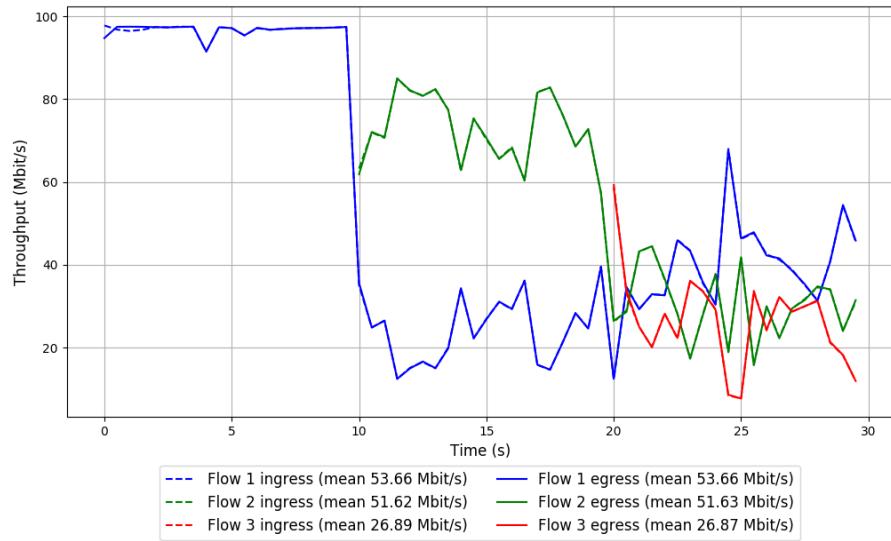


Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-13 19:08:06
End at: 2018-02-13 19:08:36
Local clock offset: -4.48 ms
Remote clock offset: -4.205 ms

# Below is generated by plot.py at 2018-02-13 20:57:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 9.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 13.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.63 Mbit/s
95th percentile per-packet one-way delay: 7.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 7.950 ms
Loss rate: 0.04%
```

Run 7: Report of TCP Vegas — Data Link

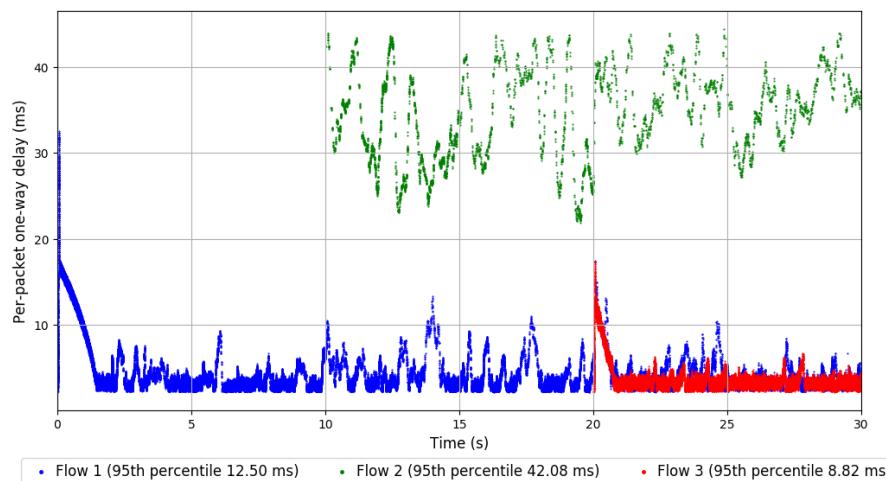
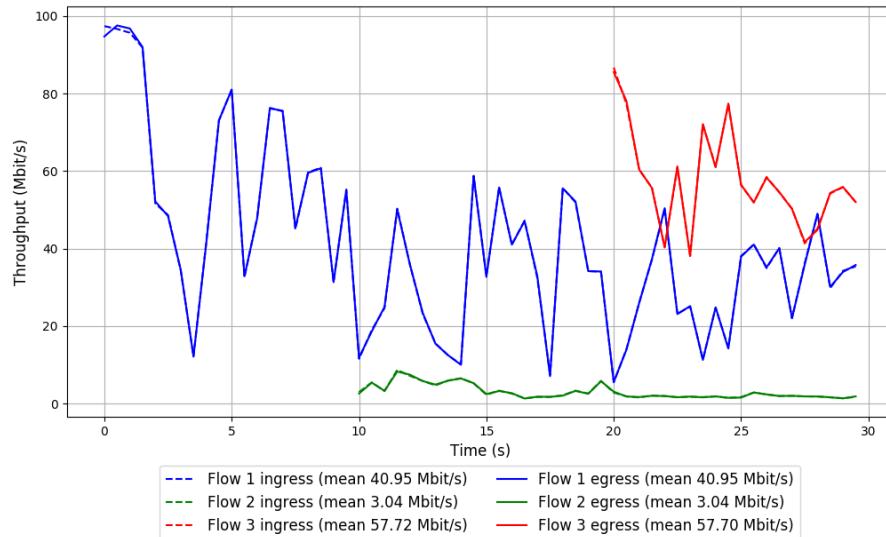


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-13 19:28:35
End at: 2018-02-13 19:29:05
Local clock offset: -4.225 ms
Remote clock offset: -3.963 ms

# Below is generated by plot.py at 2018-02-13 20:57:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 14.796 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 12.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 42.083 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 8.821 ms
Loss rate: 0.02%
```

Run 8: Report of TCP Vegas — Data Link

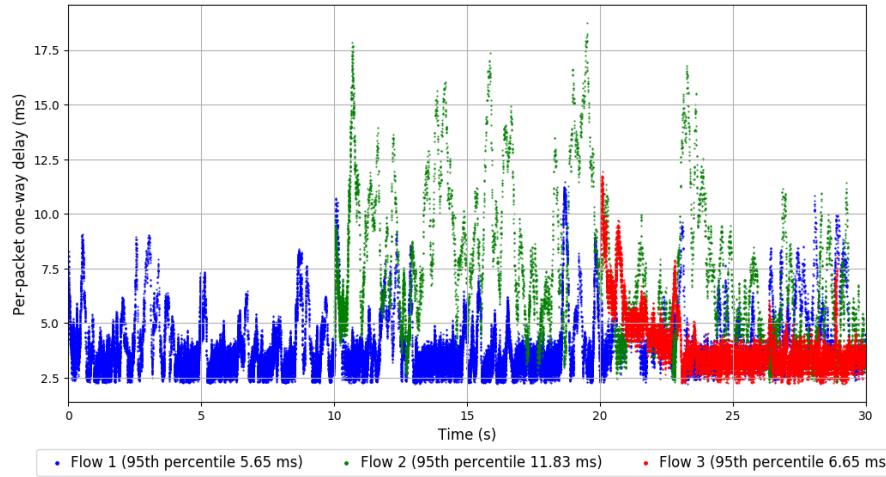
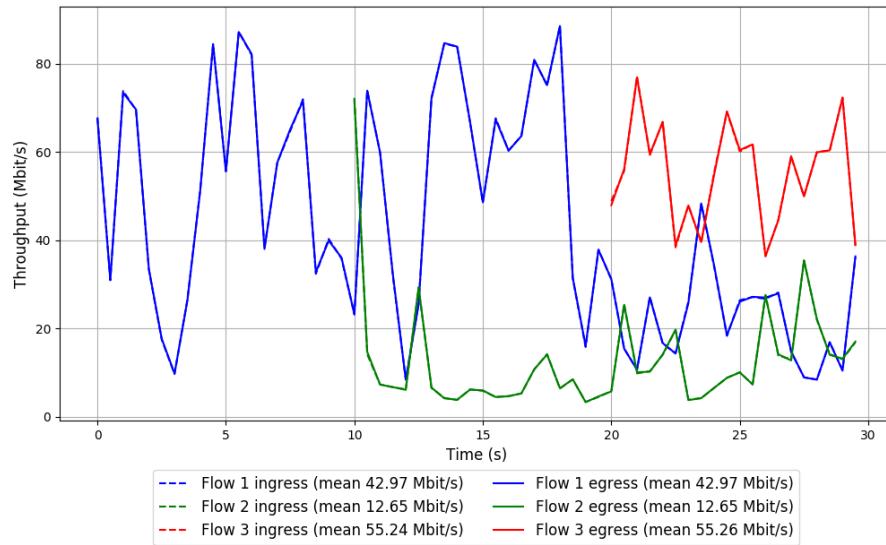


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-13 19:49:03
End at: 2018-02-13 19:49:33
Local clock offset: -5.349 ms
Remote clock offset: -3.48 ms

# Below is generated by plot.py at 2018-02-13 20:57:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 7.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 5.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 11.826 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 6.648 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

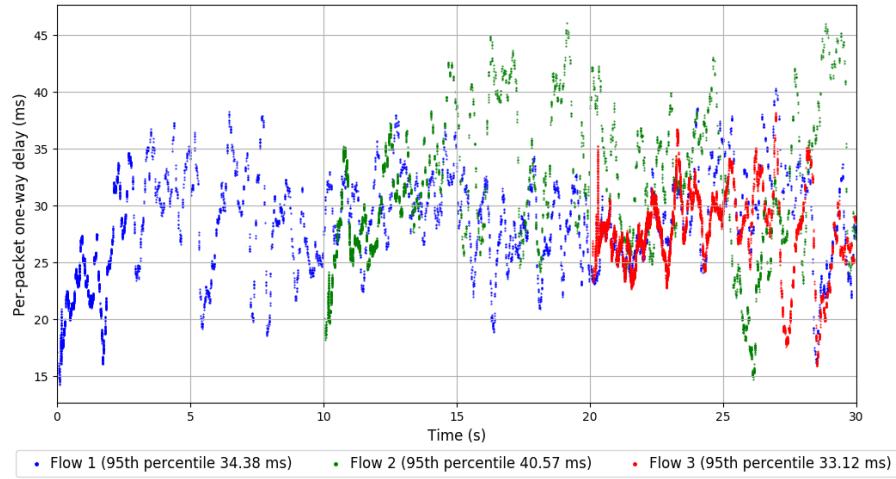
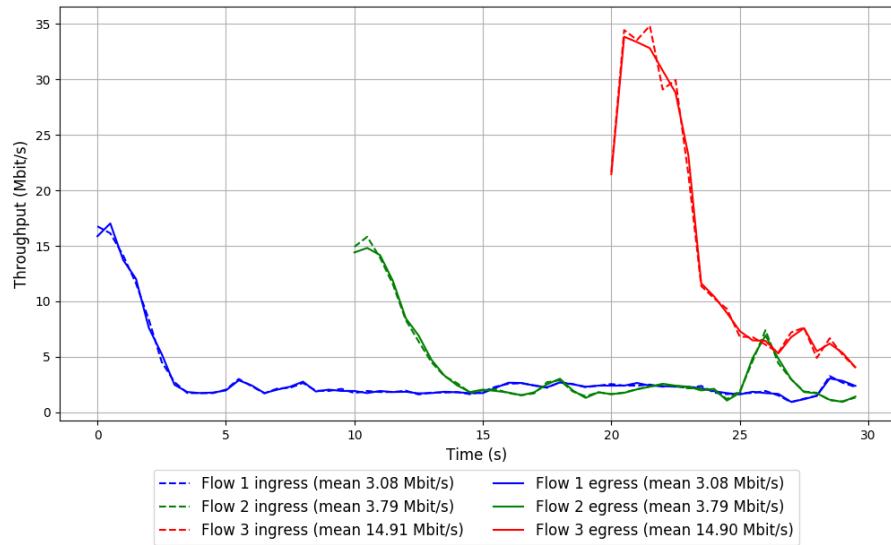


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-13 20:09:41
End at: 2018-02-13 20:10:11
Local clock offset: 14.81 ms
Remote clock offset: -4.939 ms

# Below is generated by plot.py at 2018-02-13 20:57:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 35.607 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 34.383 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 40.572 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 33.124 ms
Loss rate: 0.12%
```

Run 10: Report of TCP Vegas — Data Link

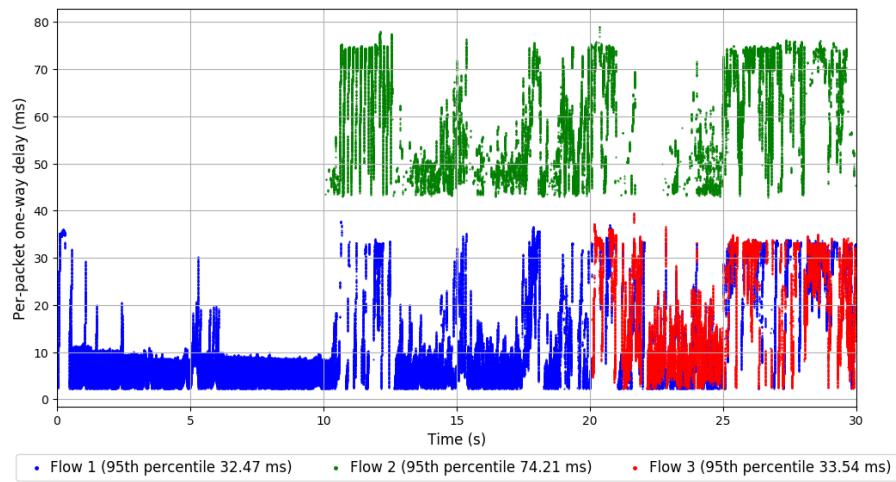
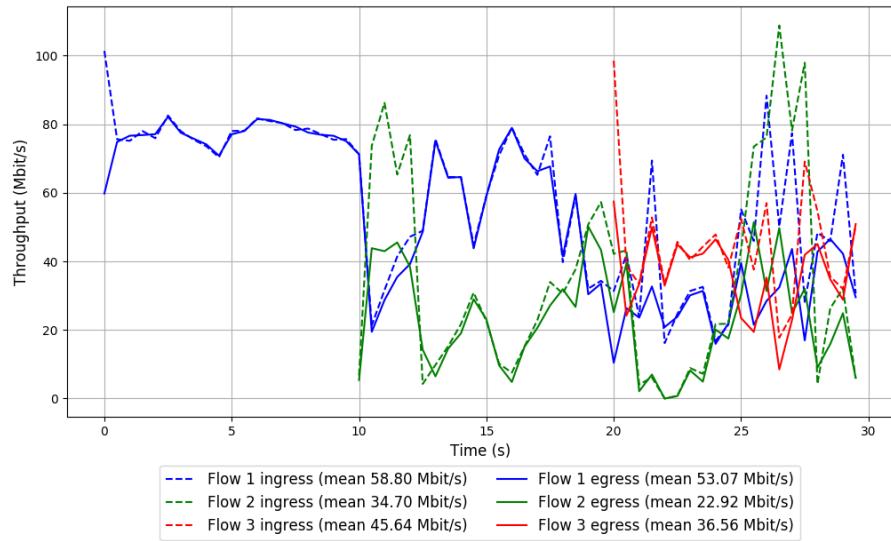


Run 1: Statistics of Verus

```
Start at: 2018-02-13 17:00:46
End at: 2018-02-13 17:01:16
Local clock offset: -5.109 ms
Remote clock offset: -5.218 ms

# Below is generated by plot.py at 2018-02-13 20:58:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 69.382 ms
Loss rate: 17.03%
-- Flow 1:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 32.474 ms
Loss rate: 9.65%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 74.206 ms
Loss rate: 33.97%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 33.541 ms
Loss rate: 19.89%
```

Run 1: Report of Verus — Data Link

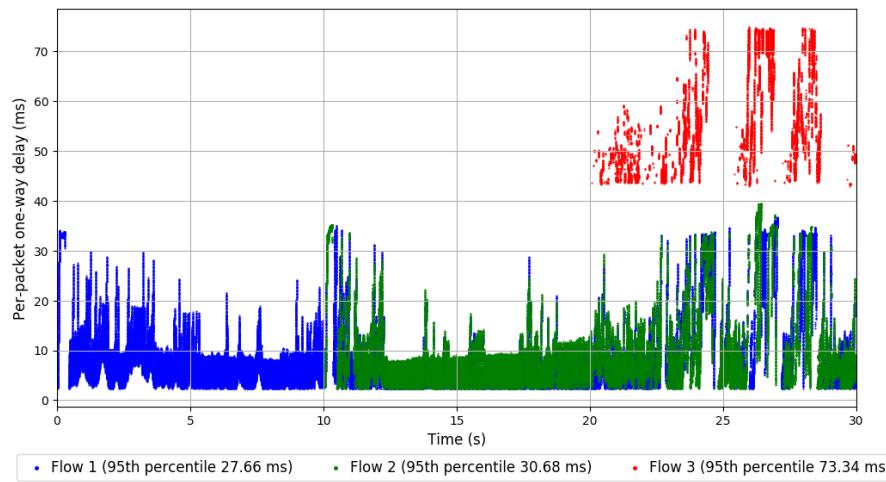
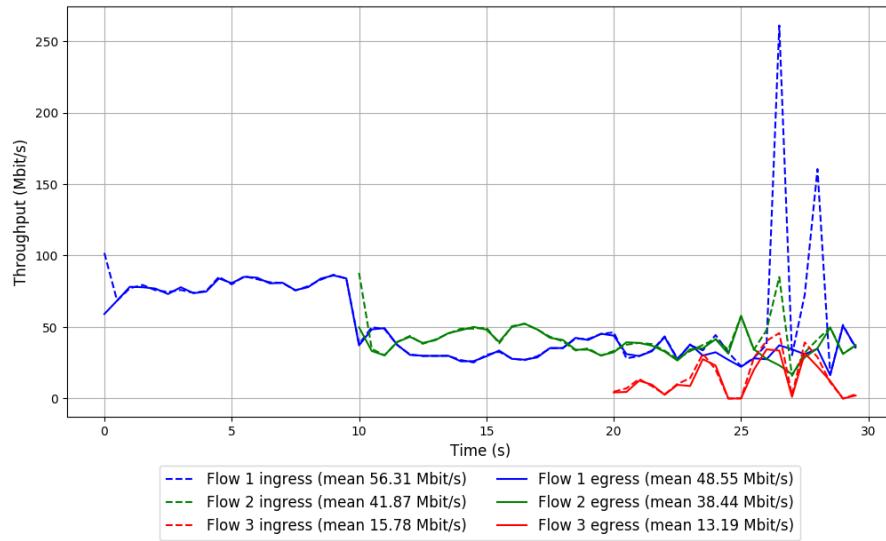


Run 2: Statistics of Verus

```
Start at: 2018-02-13 17:21:16
End at: 2018-02-13 17:21:46
Local clock offset: -4.478 ms
Remote clock offset: -4.675 ms

# Below is generated by plot.py at 2018-02-13 20:58:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.45 Mbit/s
95th percentile per-packet one-way delay: 45.587 ms
Loss rate: 12.20%
-- Flow 1:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 27.658 ms
Loss rate: 13.76%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 30.679 ms
Loss rate: 8.17%
-- Flow 3:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 73.342 ms
Loss rate: 16.77%
```

Run 2: Report of Verus — Data Link

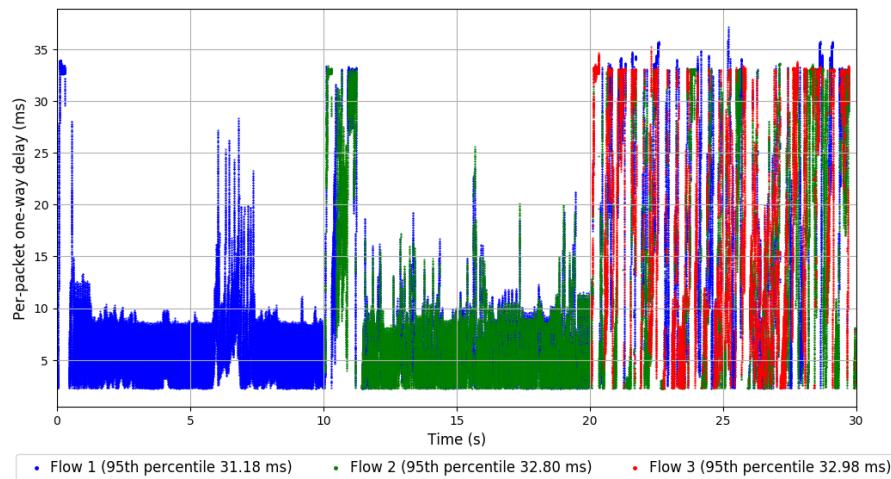
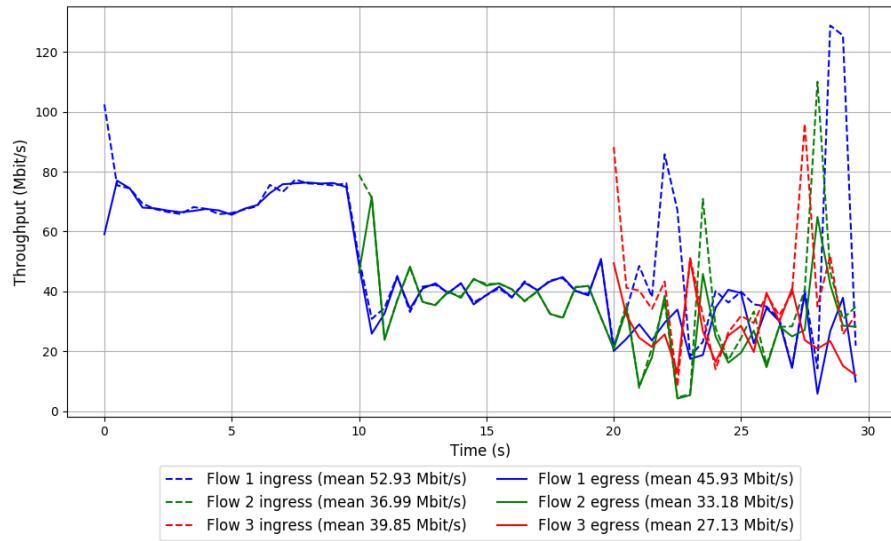


Run 3: Statistics of Verus

```
Start at: 2018-02-13 17:41:43
End at: 2018-02-13 17:42:13
Local clock offset: -3.572 ms
Remote clock offset: -4.506 ms

# Below is generated by plot.py at 2018-02-13 20:58:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.01 Mbit/s
95th percentile per-packet one-way delay: 32.612 ms
Loss rate: 15.14%
-- Flow 1:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 13.22%
-- Flow 2:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 32.798 ms
Loss rate: 10.27%
-- Flow 3:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 32.975 ms
Loss rate: 31.94%
```

Run 3: Report of Verus — Data Link

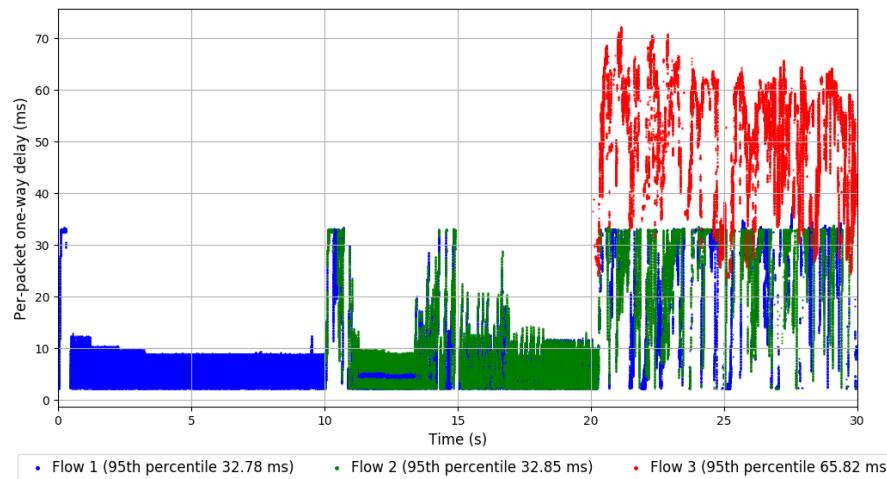
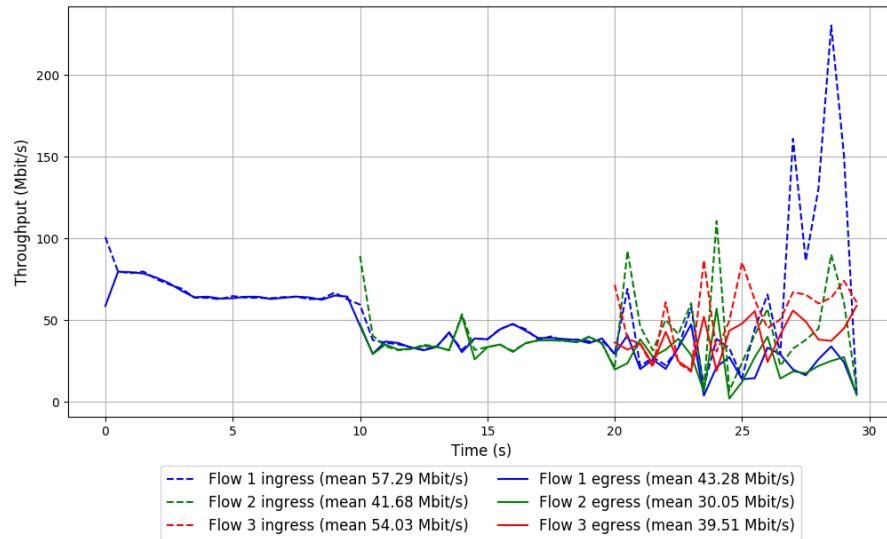


Run 4: Statistics of Verus

```
Start at: 2018-02-13 18:02:10
End at: 2018-02-13 18:02:40
Local clock offset: -3.902 ms
Remote clock offset: -4.274 ms

# Below is generated by plot.py at 2018-02-13 20:58:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.34 Mbit/s
95th percentile per-packet one-way delay: 58.637 ms
Loss rate: 25.83%
-- Flow 1:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 32.776 ms
Loss rate: 24.44%
-- Flow 2:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 32.854 ms
Loss rate: 27.89%
-- Flow 3:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 65.821 ms
Loss rate: 27.07%
```

Run 4: Report of Verus — Data Link

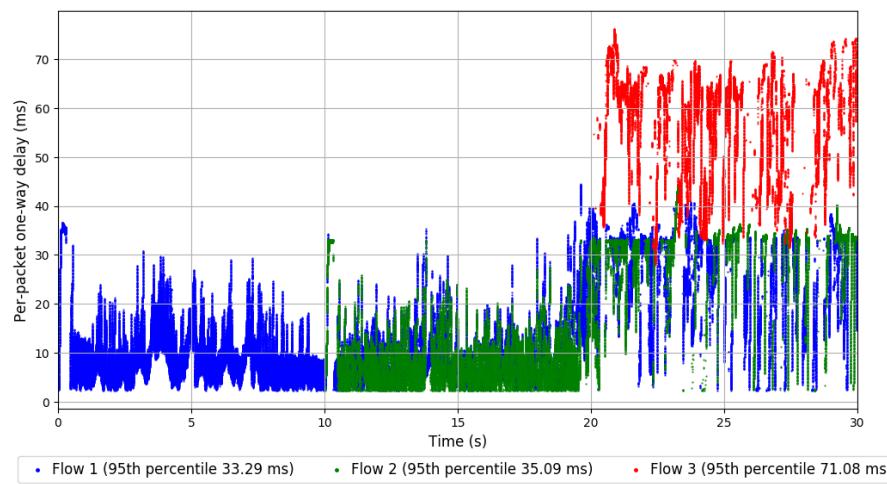
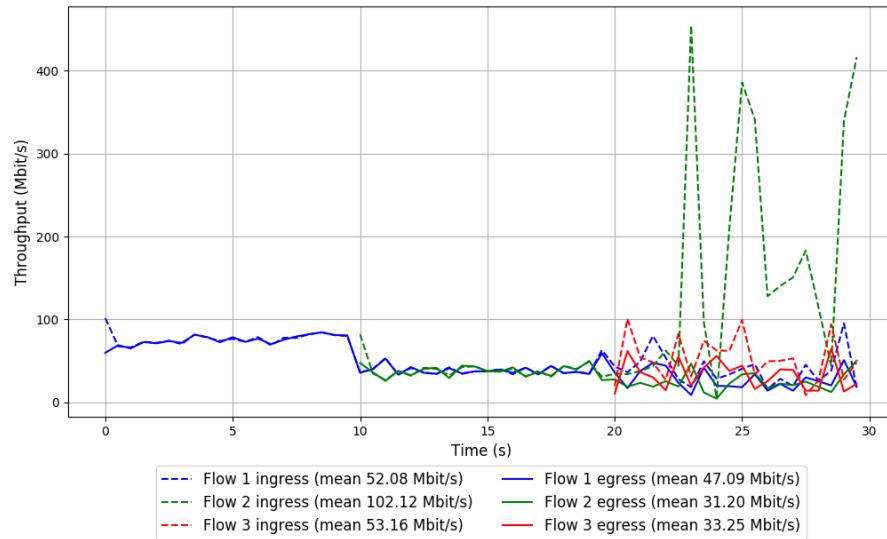


Run 5: Statistics of Verus

```
Start at: 2018-02-13 18:22:35
End at: 2018-02-13 18:23:05
Local clock offset: -3.927 ms
Remote clock offset: -4.169 ms

# Below is generated by plot.py at 2018-02-13 20:58:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 62.953 ms
Loss rate: 42.63%
-- Flow 1:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 33.290 ms
Loss rate: 9.48%
-- Flow 2:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 35.092 ms
Loss rate: 69.41%
-- Flow 3:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 71.081 ms
Loss rate: 37.62%
```

Run 5: Report of Verus — Data Link

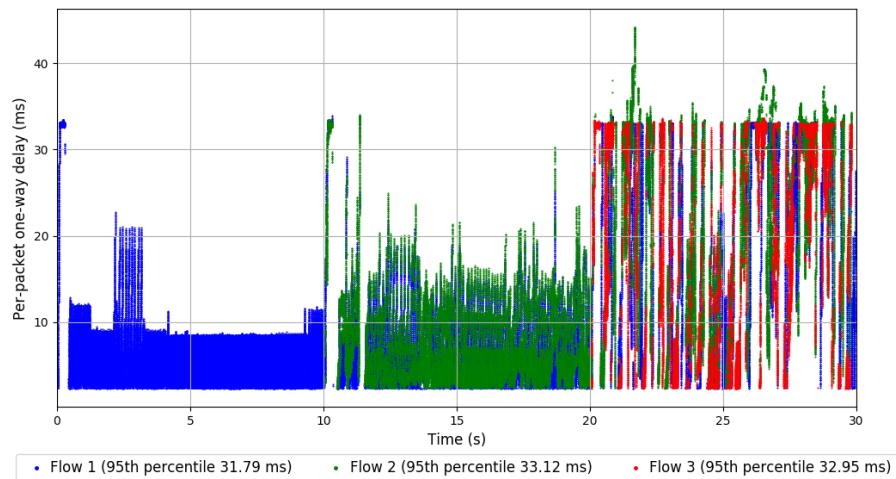
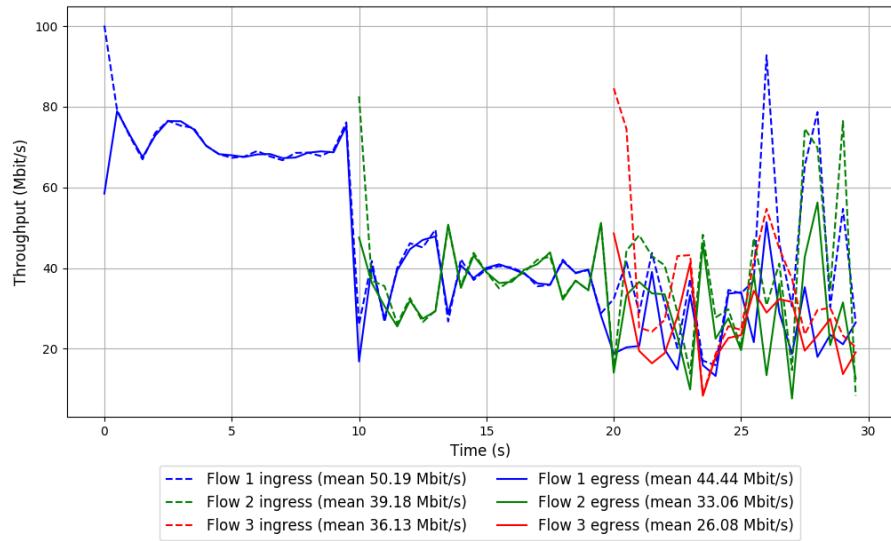


Run 6: Statistics of Verus

```
Start at: 2018-02-13 18:43:02
End at: 2018-02-13 18:43:32
Local clock offset: -4.695 ms
Remote clock offset: -4.036 ms

# Below is generated by plot.py at 2018-02-13 20:58:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.78 Mbit/s
95th percentile per-packet one-way delay: 32.890 ms
Loss rate: 14.77%
-- Flow 1:
Average throughput: 44.44 Mbit/s
95th percentile per-packet one-way delay: 31.787 ms
Loss rate: 11.38%
-- Flow 2:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 33.121 ms
Loss rate: 15.49%
-- Flow 3:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 32.949 ms
Loss rate: 27.64%
```

Run 6: Report of Verus — Data Link

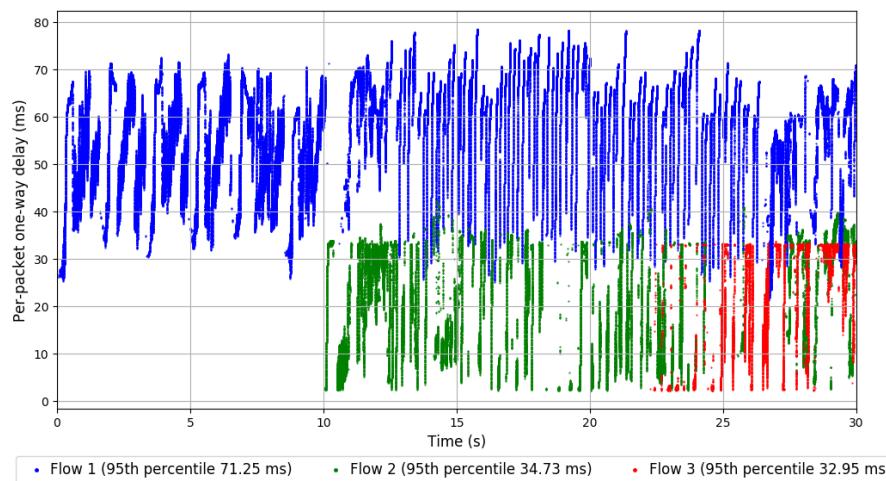
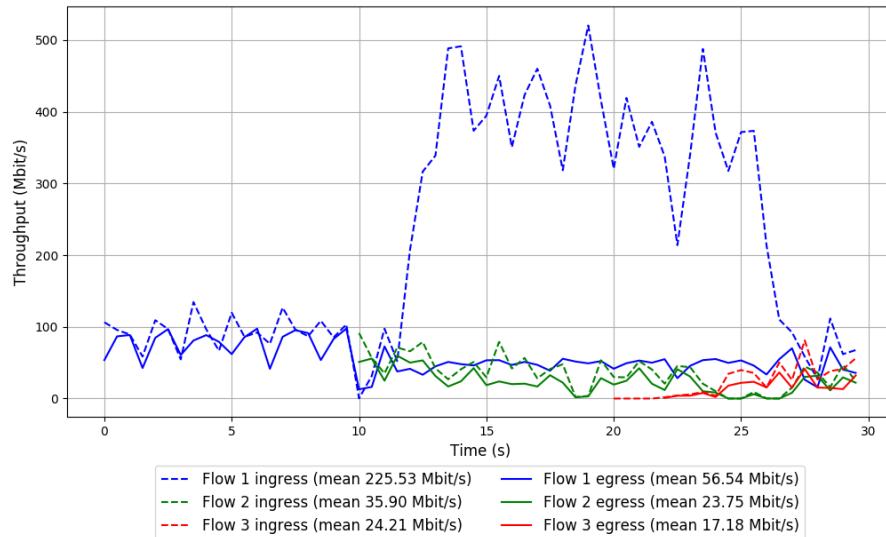


Run 7: Statistics of Verus

```
Start at: 2018-02-13 19:03:33
End at: 2018-02-13 19:04:03
Local clock offset: -4.61 ms
Remote clock offset: -4.245 ms

# Below is generated by plot.py at 2018-02-13 20:59:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 70.180 ms
Loss rate: 70.13%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 71.249 ms
Loss rate: 74.91%
-- Flow 2:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 34.725 ms
Loss rate: 33.82%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 32.946 ms
Loss rate: 43.47%
```

Run 7: Report of Verus — Data Link

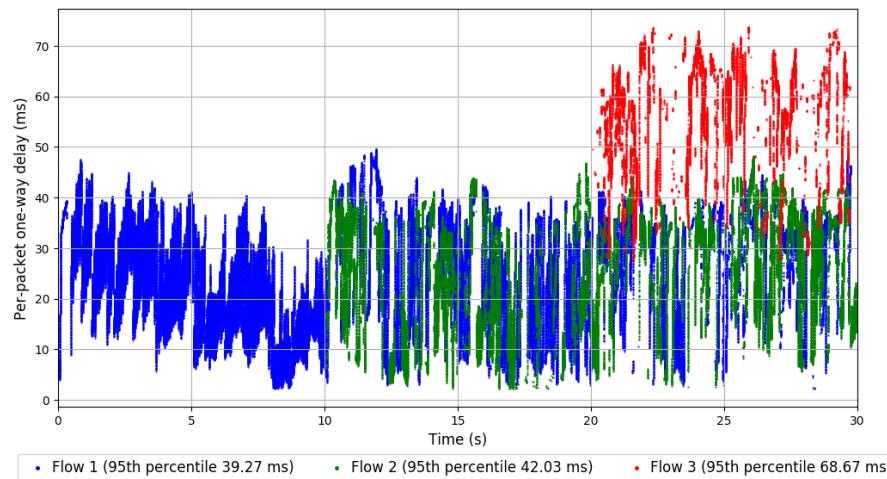
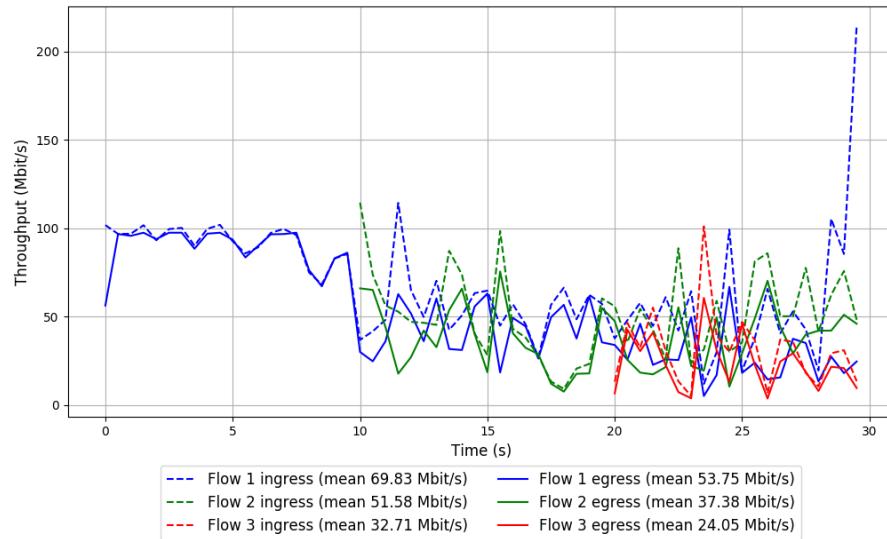


Run 8: Statistics of Verus

```
Start at: 2018-02-13 19:24:03
End at: 2018-02-13 19:24:33
Local clock offset: -4.26 ms
Remote clock offset: -4.324 ms

# Below is generated by plot.py at 2018-02-13 20:59:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 55.030 ms
Loss rate: 24.64%
-- Flow 1:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: 39.271 ms
Loss rate: 22.93%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 42.027 ms
Loss rate: 27.51%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 68.675 ms
Loss rate: 26.58%
```

Run 8: Report of Verus — Data Link

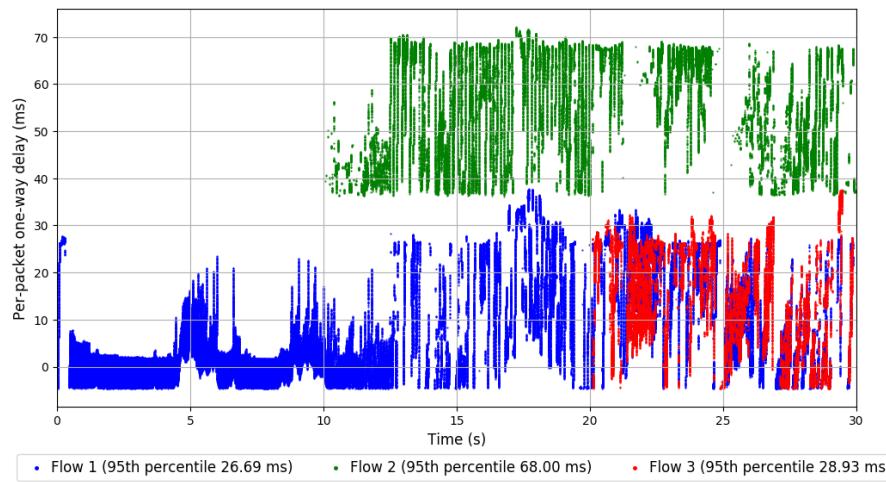
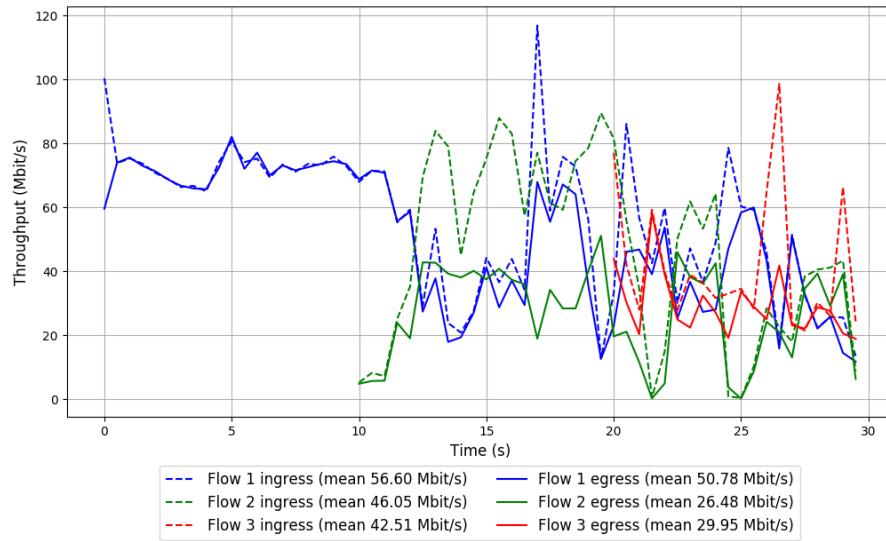


Run 9: Statistics of Verus

```
Start at: 2018-02-13 19:44:32
End at: 2018-02-13 19:45:02
Local clock offset: -5.109 ms
Remote clock offset: -10.315 ms

# Below is generated by plot.py at 2018-02-13 20:59:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 65.210 ms
Loss rate: 22.68%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 26.692 ms
Loss rate: 10.20%
-- Flow 2:
Average throughput: 26.48 Mbit/s
95th percentile per-packet one-way delay: 68.005 ms
Loss rate: 42.62%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 28.932 ms
Loss rate: 29.35%
```

Run 9: Report of Verus — Data Link

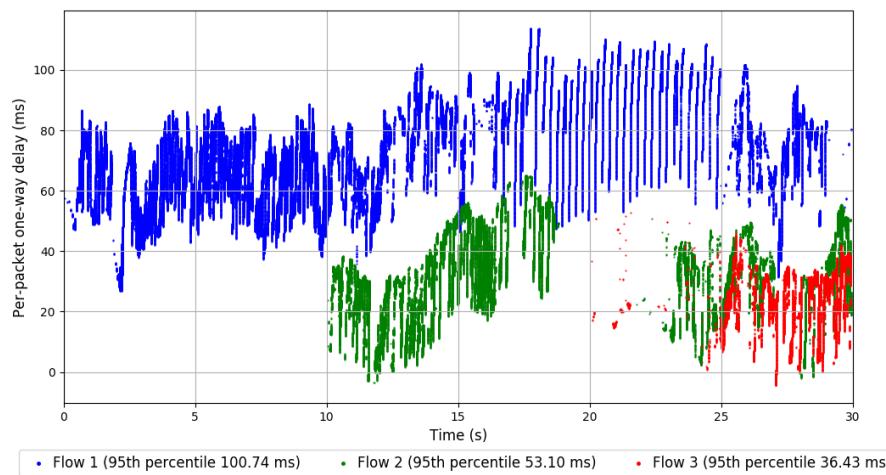
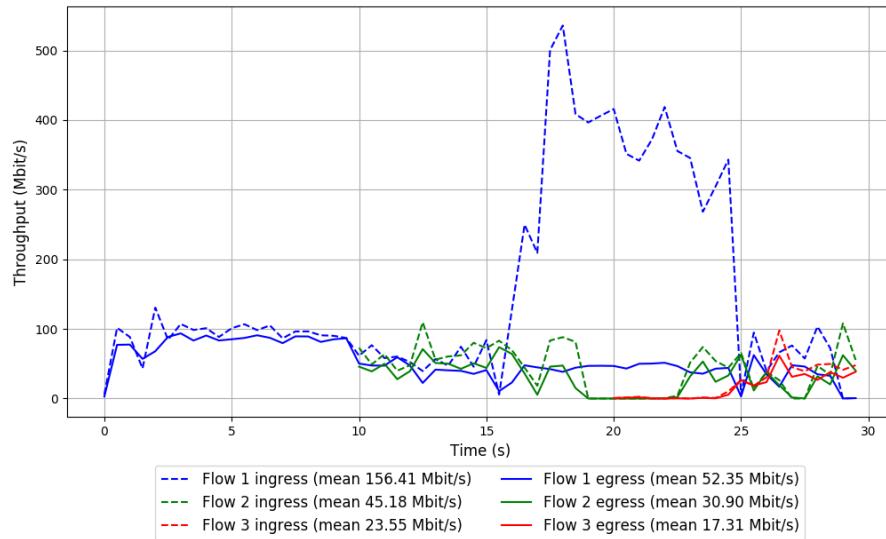


Run 10: Statistics of Verus

```
Start at: 2018-02-13 20:05:00
End at: 2018-02-13 20:05:30
Local clock offset: -0.095 ms
Remote clock offset: -8.089 ms

# Below is generated by plot.py at 2018-02-13 20:59:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 98.429 ms
Loss rate: 59.49%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 100.740 ms
Loss rate: 66.50%
-- Flow 2:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 53.101 ms
Loss rate: 31.60%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 36.427 ms
Loss rate: 26.48%
```

Run 10: Report of Verus — Data Link

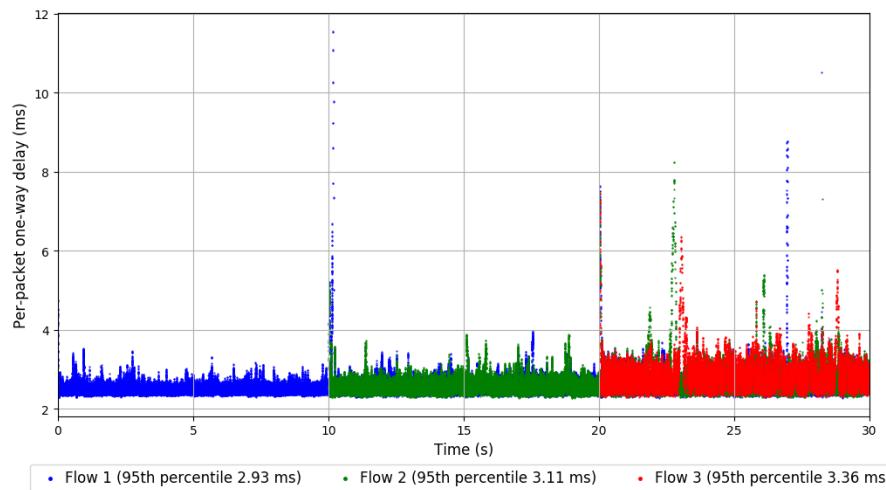
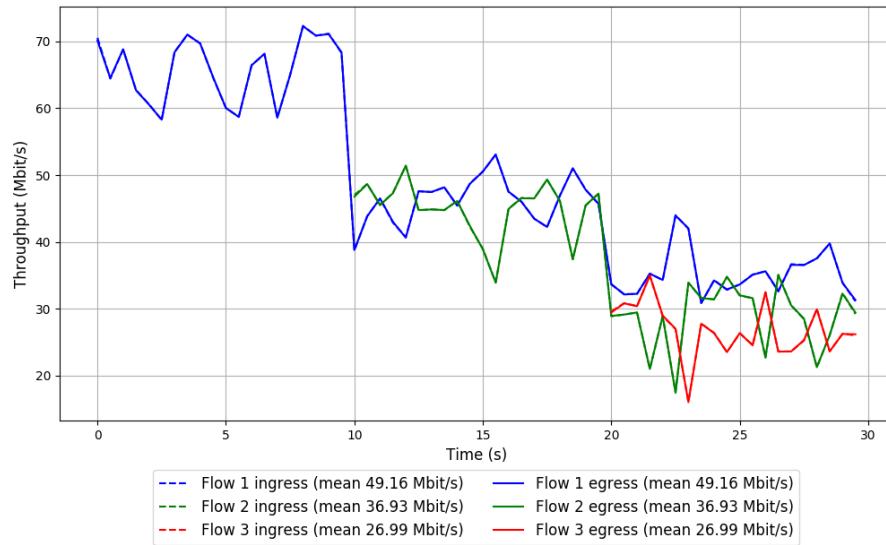


Run 1: Statistics of Copa

```
Start at: 2018-02-13 16:52:49
End at: 2018-02-13 16:53:19
Local clock offset: -5.266 ms
Remote clock offset: -5.223 ms

# Below is generated by plot.py at 2018-02-13 21:00:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 3.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 2.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 3.111 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 3.357 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

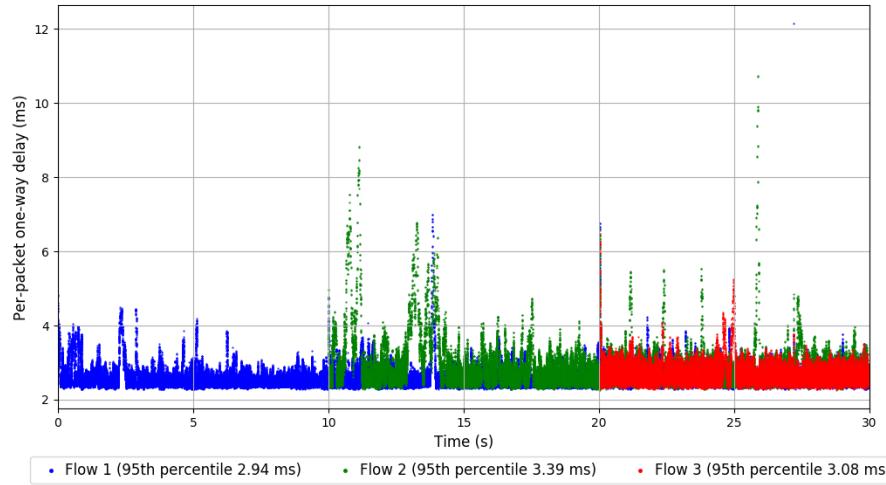
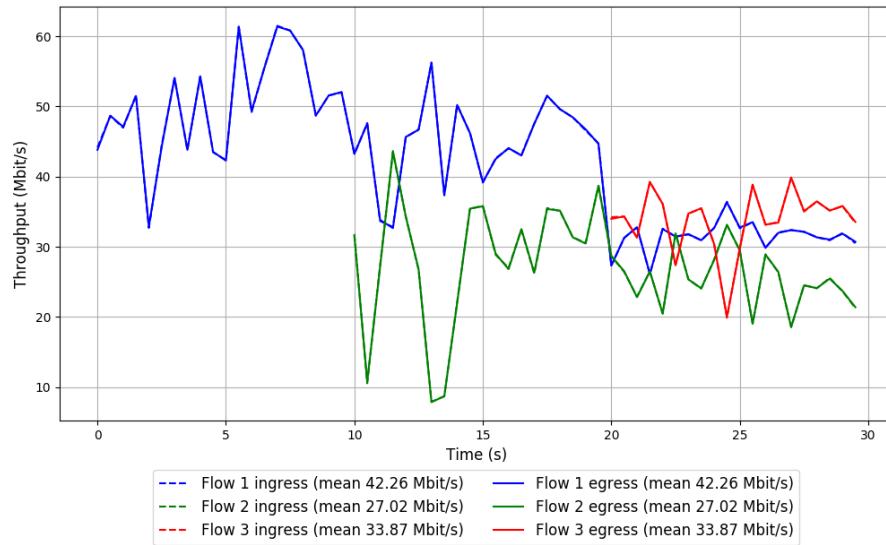


Run 2: Statistics of Copa

```
Start at: 2018-02-13 17:13:20
End at: 2018-02-13 17:13:50
Local clock offset: -4.982 ms
Remote clock offset: -4.894 ms

# Below is generated by plot.py at 2018-02-13 21:00:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.51 Mbit/s
95th percentile per-packet one-way delay: 3.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 2.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 3.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 3.084 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

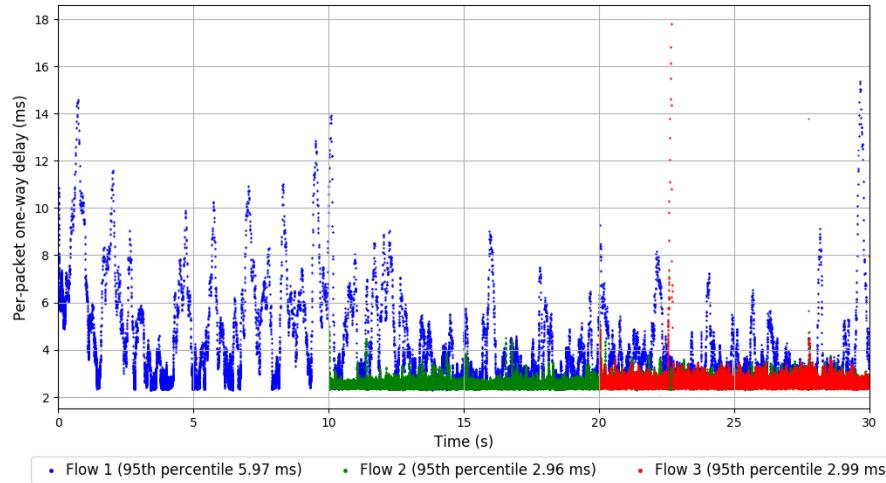
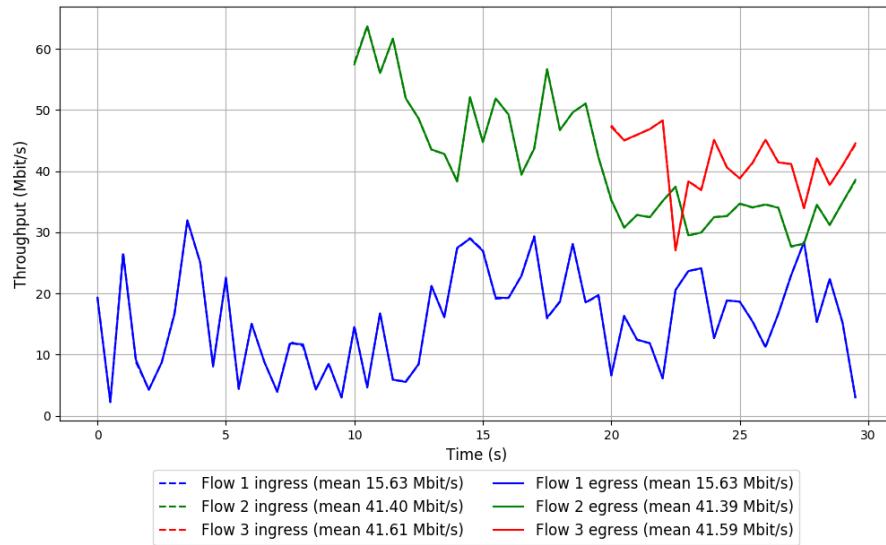


Run 3: Statistics of Copa

```
Start at: 2018-02-13 17:33:50
End at: 2018-02-13 17:34:20
Local clock offset: -3.813 ms
Remote clock offset: -4.49 ms

# Below is generated by plot.py at 2018-02-13 21:00:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 3.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 5.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.39 Mbit/s
95th percentile per-packet one-way delay: 2.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.59 Mbit/s
95th percentile per-packet one-way delay: 2.990 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

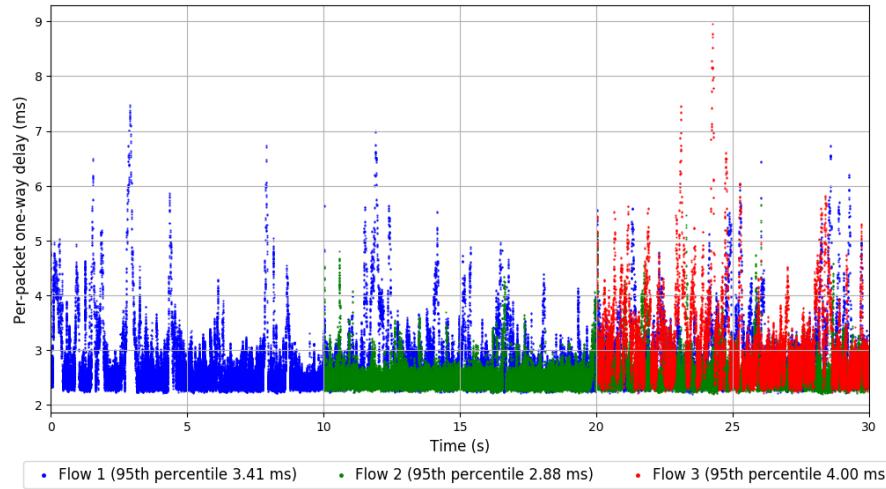
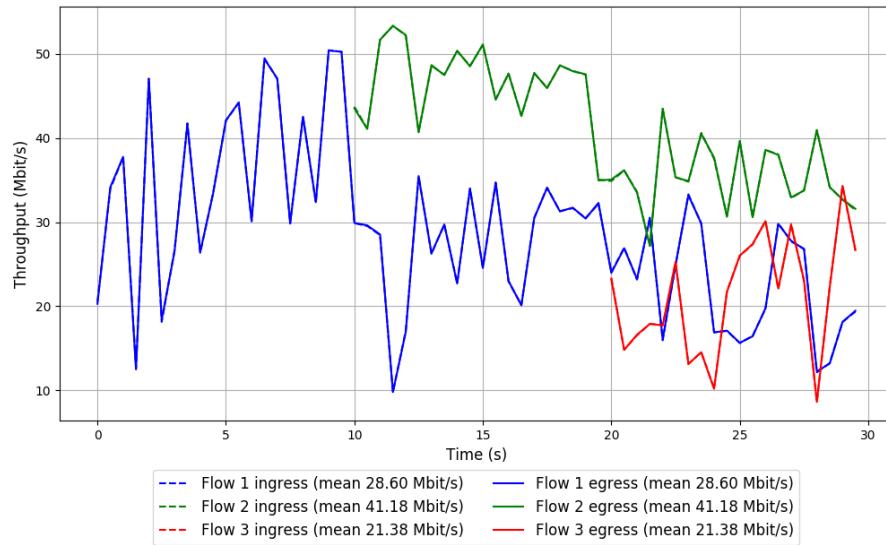


Run 4: Statistics of Copa

```
Start at: 2018-02-13 17:54:16
End at: 2018-02-13 17:54:46
Local clock offset: -3.64 ms
Remote clock offset: -4.323 ms

# Below is generated by plot.py at 2018-02-13 21:00:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.12 Mbit/s
95th percentile per-packet one-way delay: 3.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 3.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 2.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 3.997 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

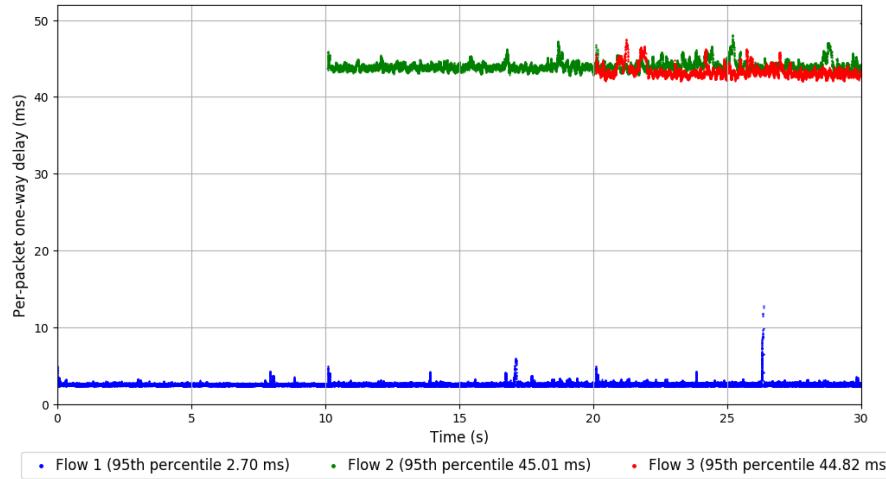
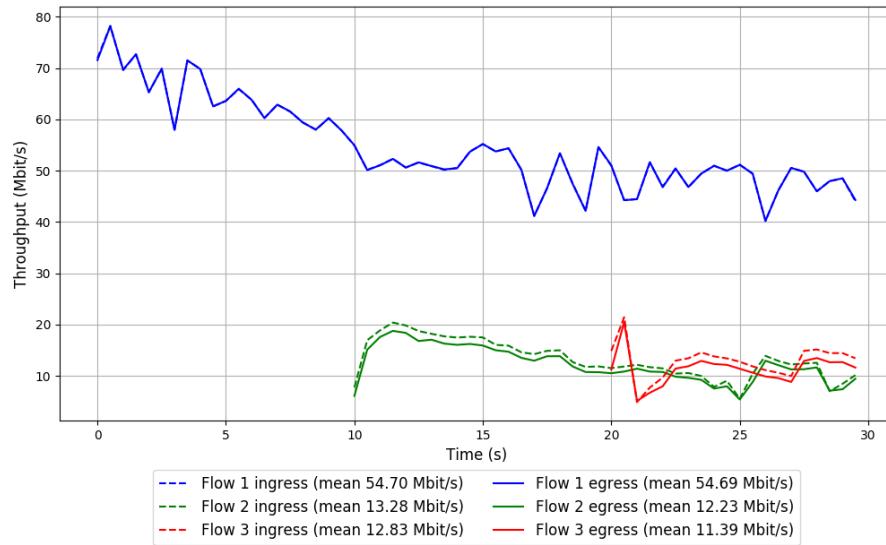


Run 5: Statistics of Copa

```
Start at: 2018-02-13 18:14:42
End at: 2018-02-13 18:15:12
Local clock offset: -4.028 ms
Remote clock offset: -4.189 ms

# Below is generated by plot.py at 2018-02-13 21:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 44.019 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 2.701 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 45.011 ms
Loss rate: 8.05%
-- Flow 3:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 44.823 ms
Loss rate: 11.58%
```

Run 5: Report of Copa — Data Link

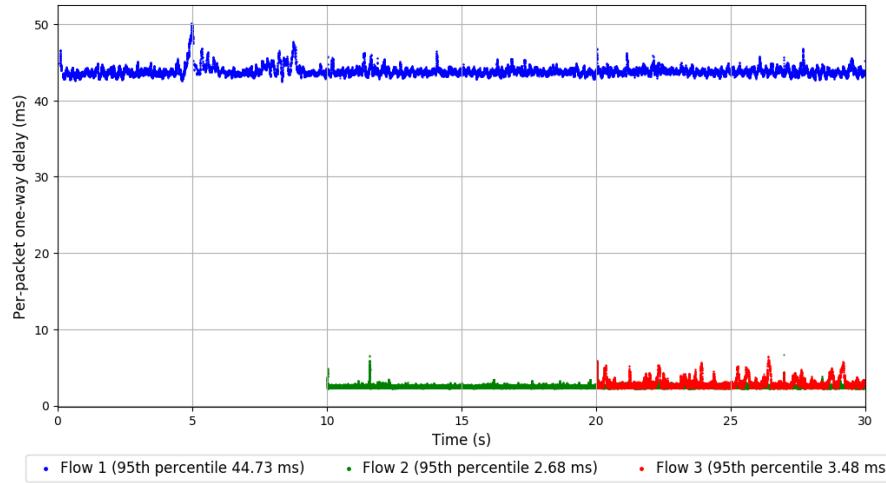
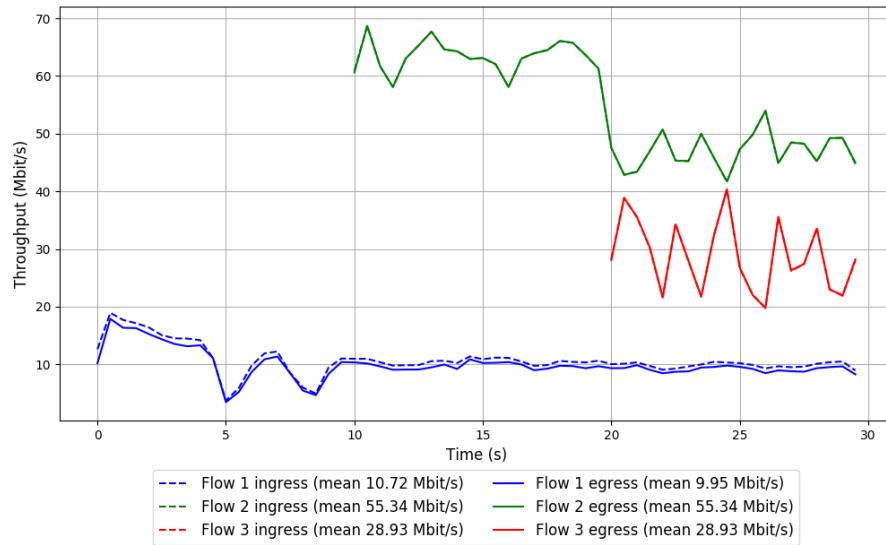


Run 6: Statistics of Copa

```
Start at: 2018-02-13 18:35:10
End at: 2018-02-13 18:35:40
Local clock offset: -4.527 ms
Remote clock offset: -4.098 ms

# Below is generated by plot.py at 2018-02-13 21:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 43.944 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 44.726 ms
Loss rate: 7.29%
-- Flow 2:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 2.679 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 3.479 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

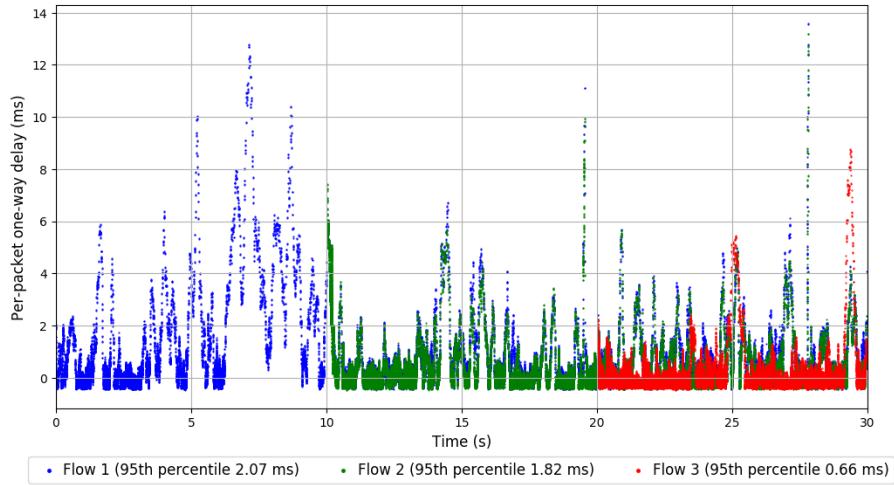
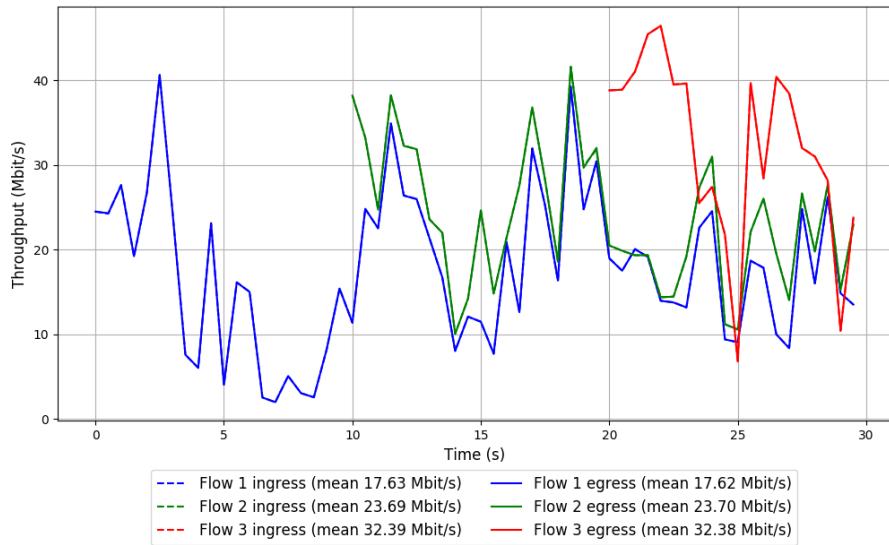


Run 7: Statistics of Copa

```
Start at: 2018-02-13 18:55:39
End at: 2018-02-13 18:56:09
Local clock offset: -4.754 ms
Remote clock offset: -6.811 ms

# Below is generated by plot.py at 2018-02-13 21:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 1.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.62 Mbit/s
95th percentile per-packet one-way delay: 2.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 1.821 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 0.660 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

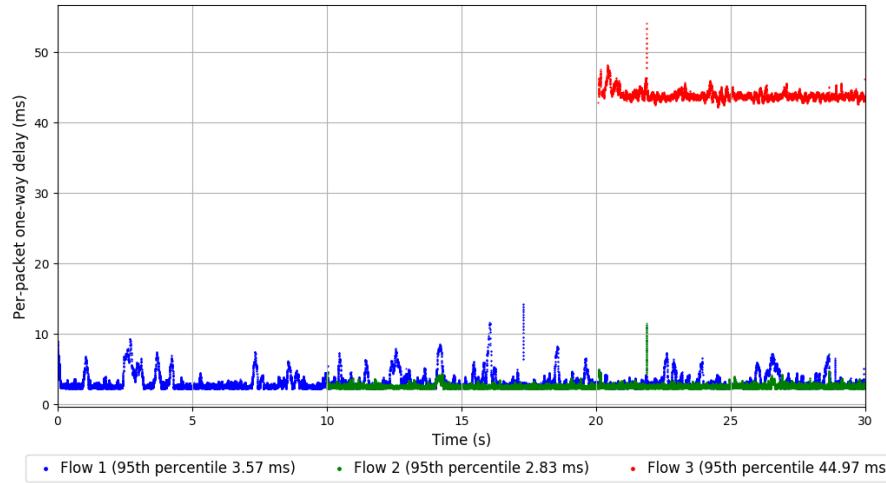
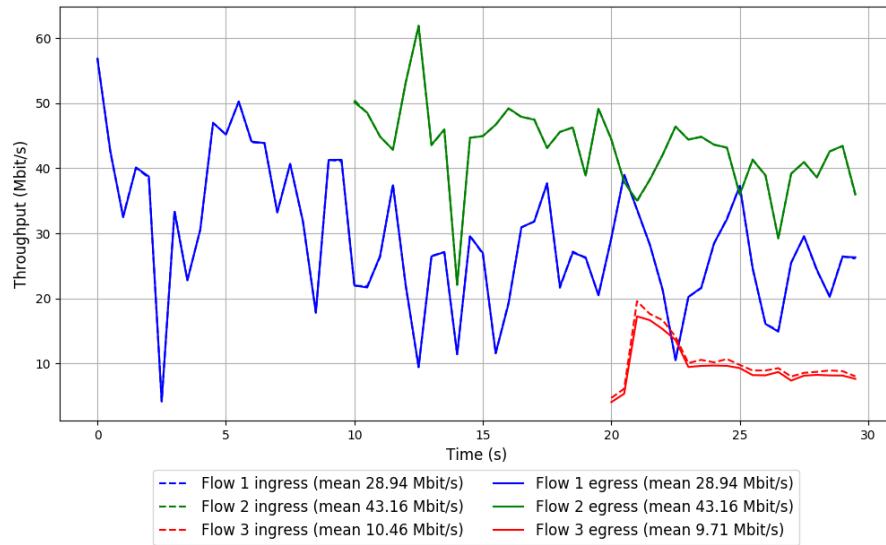


Run 8: Statistics of Copa

```
Start at: 2018-02-13 19:16:07
End at: 2018-02-13 19:16:37
Local clock offset: -4.391 ms
Remote clock offset: -4.306 ms

# Below is generated by plot.py at 2018-02-13 21:01:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 43.193 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 3.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 2.826 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 44.968 ms
Loss rate: 7.46%
```

Run 8: Report of Copa — Data Link

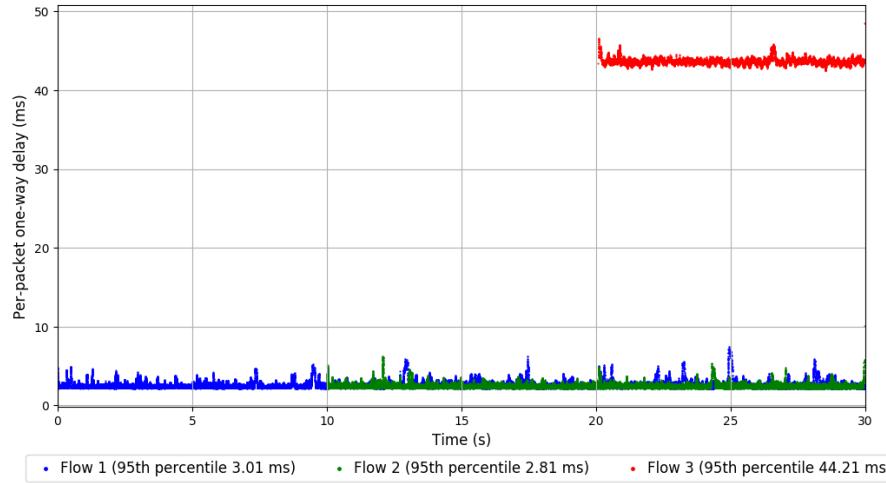
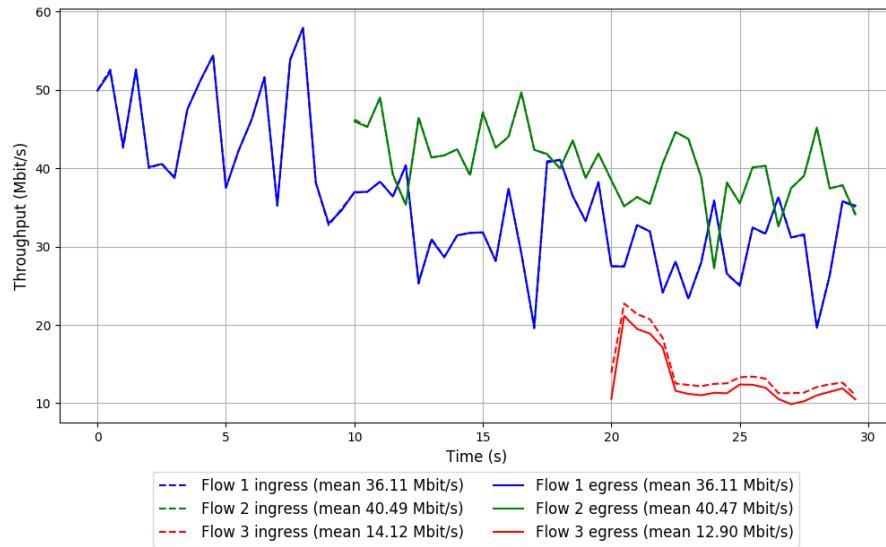


Run 9: Statistics of Copa

```
Start at: 2018-02-13 19:36:36
End at: 2018-02-13 19:37:06
Local clock offset: -4.636 ms
Remote clock offset: -3.658 ms

# Below is generated by plot.py at 2018-02-13 21:01:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.32 Mbit/s
95th percentile per-packet one-way delay: 43.412 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 3.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 2.808 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 44.210 ms
Loss rate: 8.95%
```

Run 9: Report of Copa — Data Link

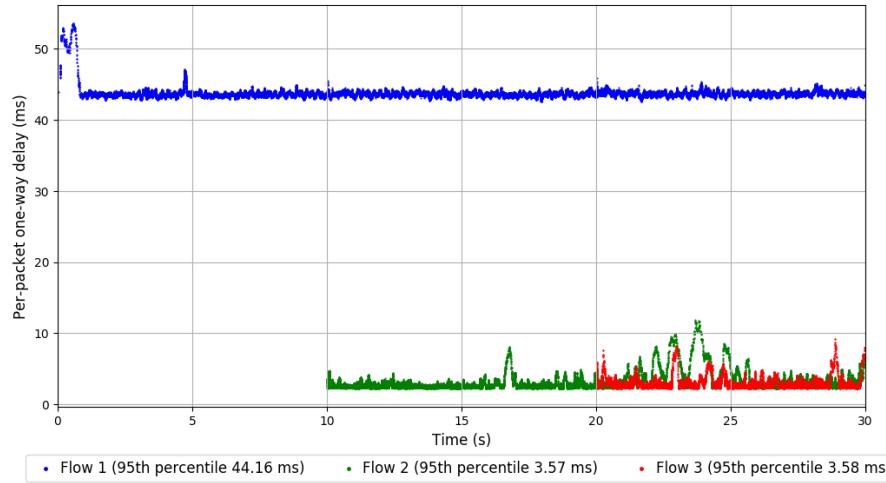
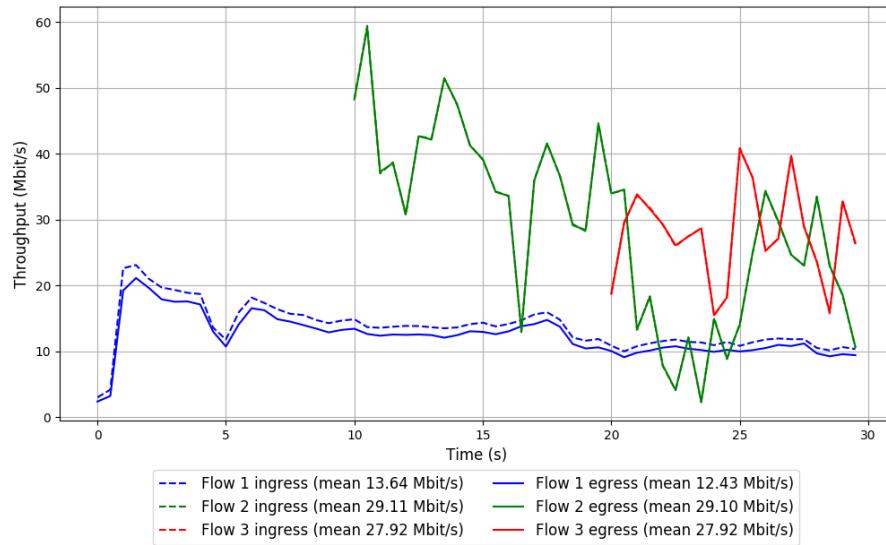


Run 10: Statistics of Copa

```
Start at: 2018-02-13 19:57:04
End at: 2018-02-13 19:57:34
Local clock offset: -5.451 ms
Remote clock offset: -3.343 ms

# Below is generated by plot.py at 2018-02-13 21:01:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 43.924 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 44.158 ms
Loss rate: 8.99%
-- Flow 2:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 3.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 3.584 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

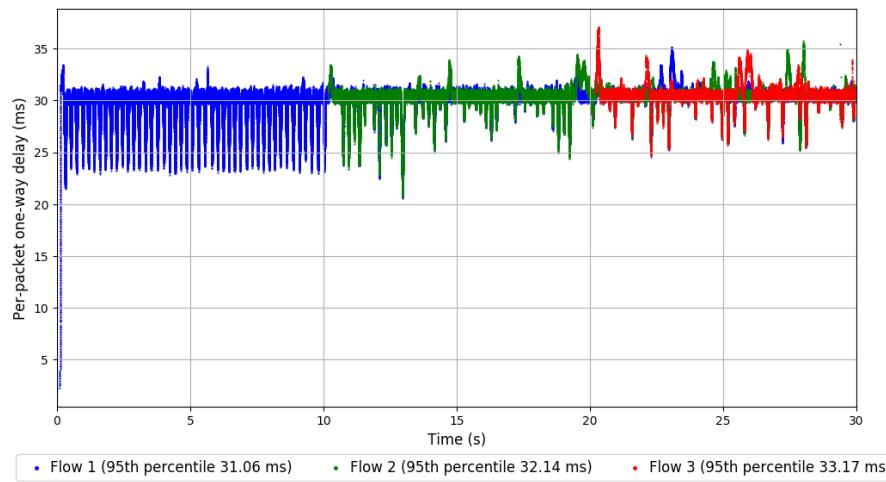
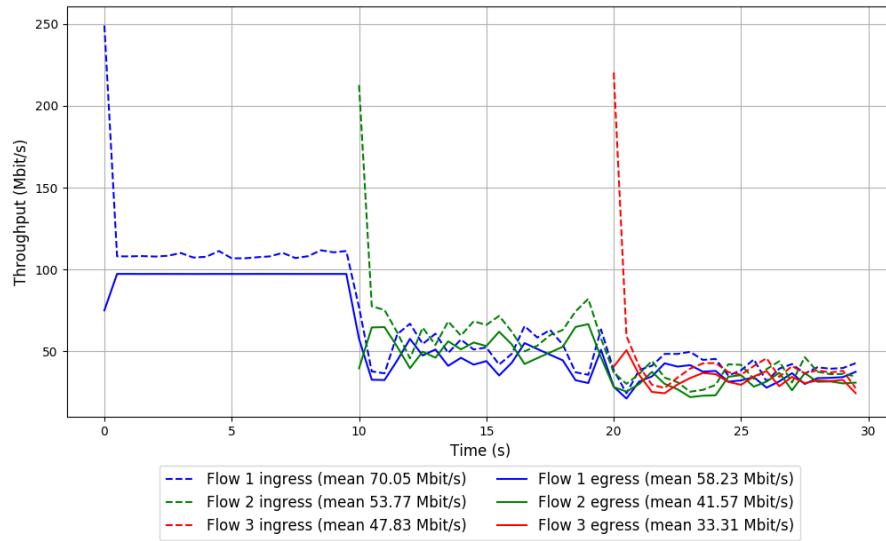


```
Run 1: Statistics of FillP

Start at: 2018-02-13 17:11:00
End at: 2018-02-13 17:11:30
Local clock offset: -5.017 ms
Remote clock offset: -5.098 ms

# Below is generated by plot.py at 2018-02-13 21:01:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 31.443 ms
Loss rate: 20.29%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 31.057 ms
Loss rate: 16.79%
-- Flow 2:
Average throughput: 41.57 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 22.67%
-- Flow 3:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 33.170 ms
Loss rate: 30.36%
```

Run 1: Report of FillP — Data Link

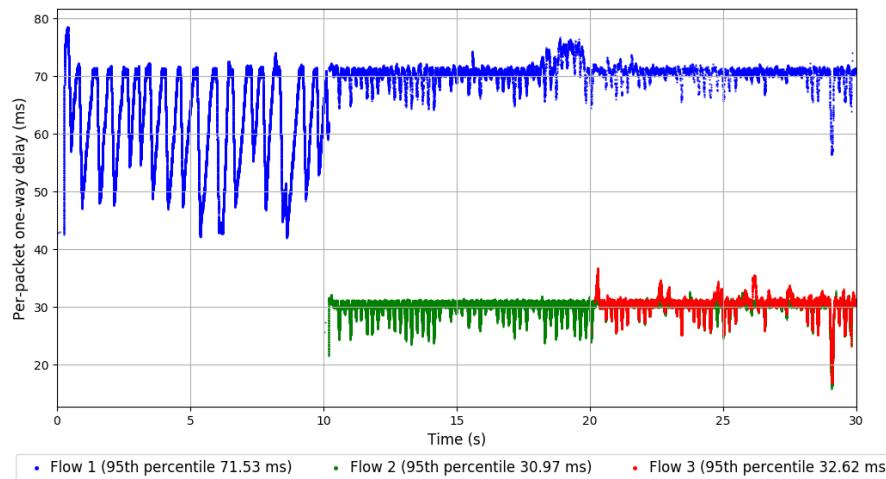
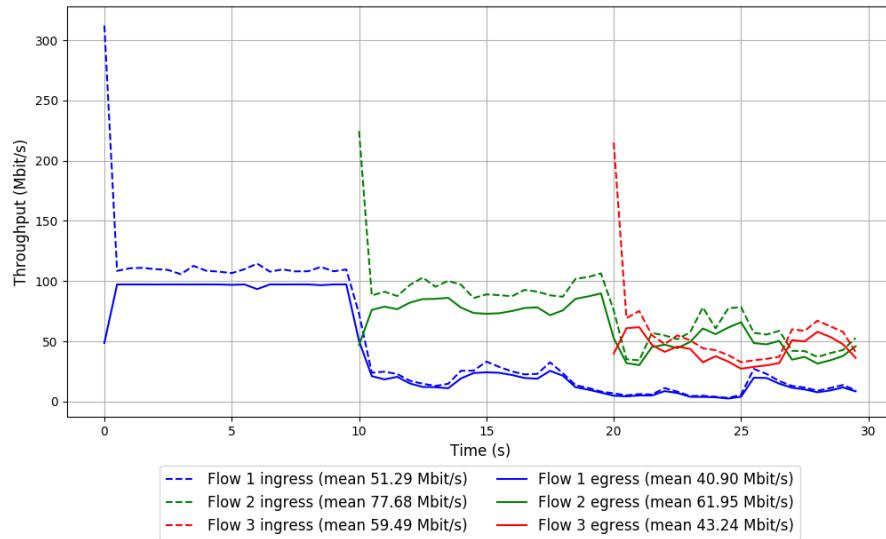


Run 2: Statistics of FillP

```
Start at: 2018-02-13 17:31:29
End at: 2018-02-13 17:31:59
Local clock offset: -3.949 ms
Remote clock offset: -4.58 ms

# Below is generated by plot.py at 2018-02-13 21:01:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 71.105 ms
Loss rate: 21.39%
-- Flow 1:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 71.530 ms
Loss rate: 20.30%
-- Flow 2:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 30.972 ms
Loss rate: 20.23%
-- Flow 3:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 32.618 ms
Loss rate: 27.29%
```

Run 2: Report of FillP — Data Link

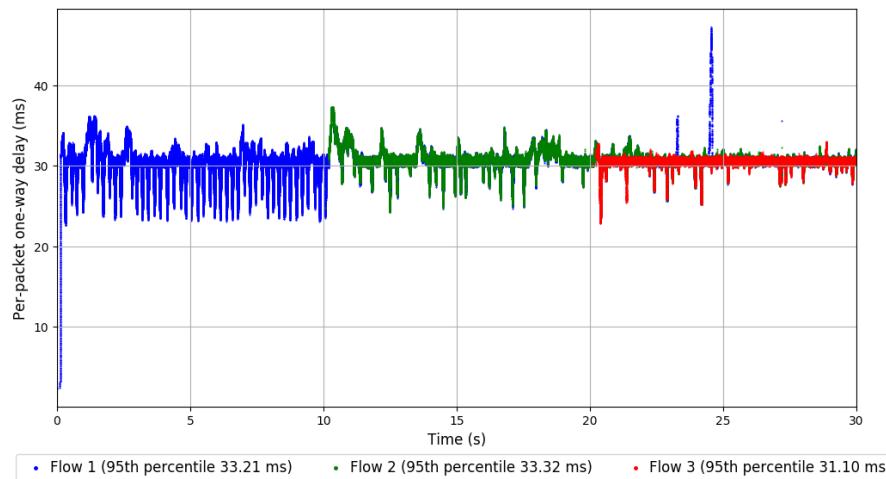
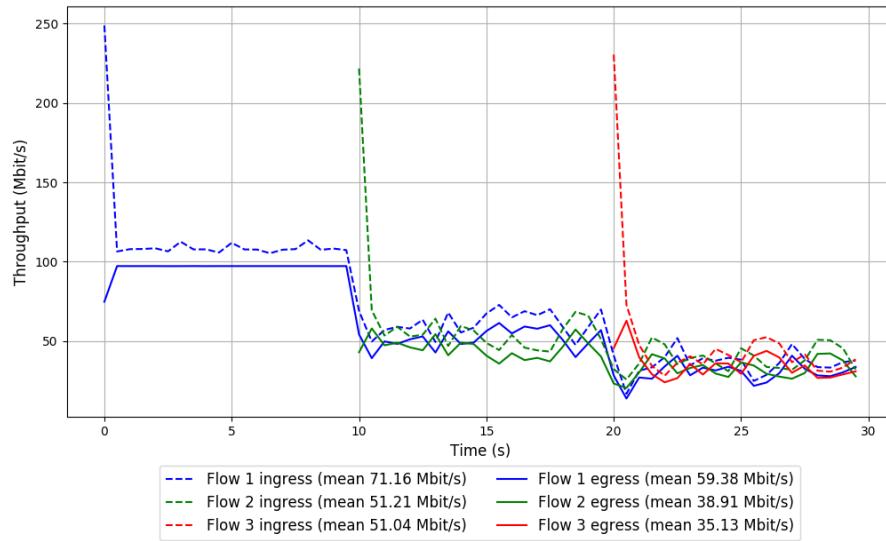


Run 3: Statistics of FillP

```
Start at: 2018-02-13 17:51:56
End at: 2018-02-13 17:52:26
Local clock offset: -3.57 ms
Remote clock offset: -4.327 ms

# Below is generated by plot.py at 2018-02-13 21:02:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 33.110 ms
Loss rate: 20.60%
-- Flow 1:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 33.208 ms
Loss rate: 16.47%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 33.322 ms
Loss rate: 24.00%
-- Flow 3:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 31.103 ms
Loss rate: 31.16%
```

Run 3: Report of FillP — Data Link

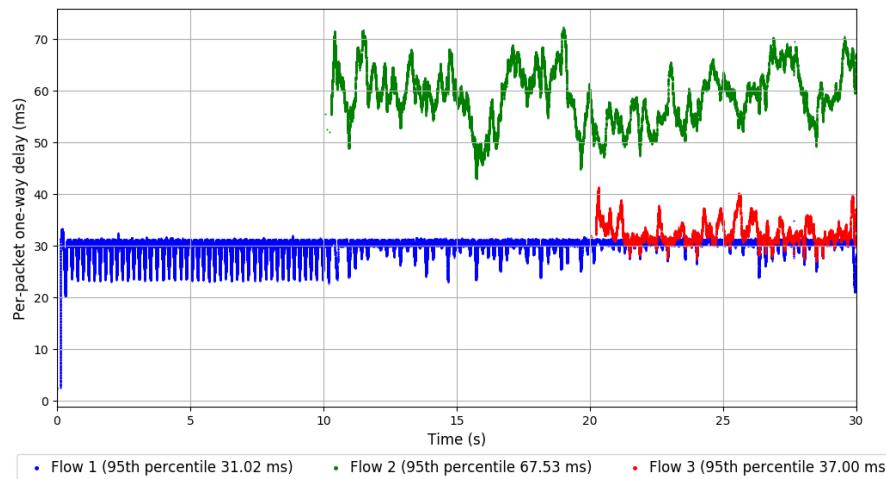
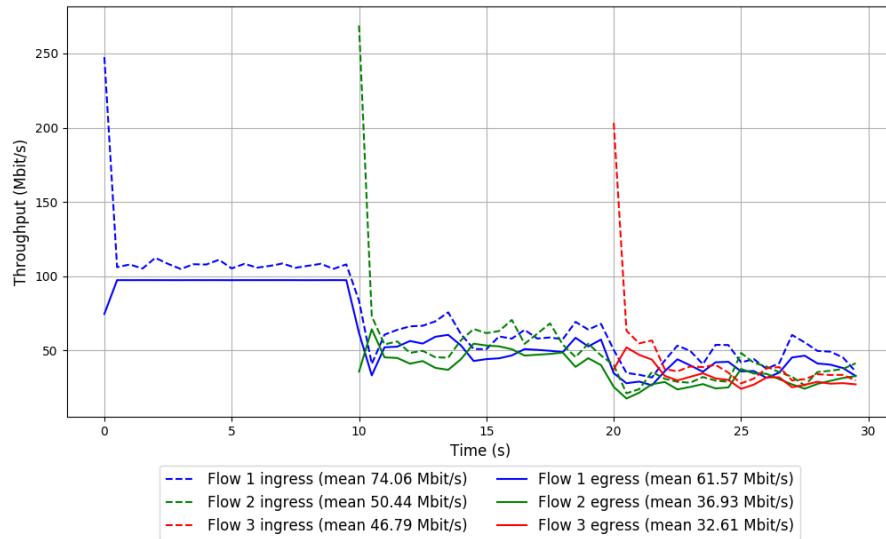


Run 4: Statistics of FillP

```
Start at: 2018-02-13 18:12:22
End at: 2018-02-13 18:12:52
Local clock offset: -4.043 ms
Remote clock offset: -4.209 ms

# Below is generated by plot.py at 2018-02-13 21:02:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 64.156 ms
Loss rate: 21.25%
-- Flow 1:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 16.79%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 67.534 ms
Loss rate: 26.88%
-- Flow 3:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 37.003 ms
Loss rate: 30.33%
```

Run 4: Report of FillP — Data Link

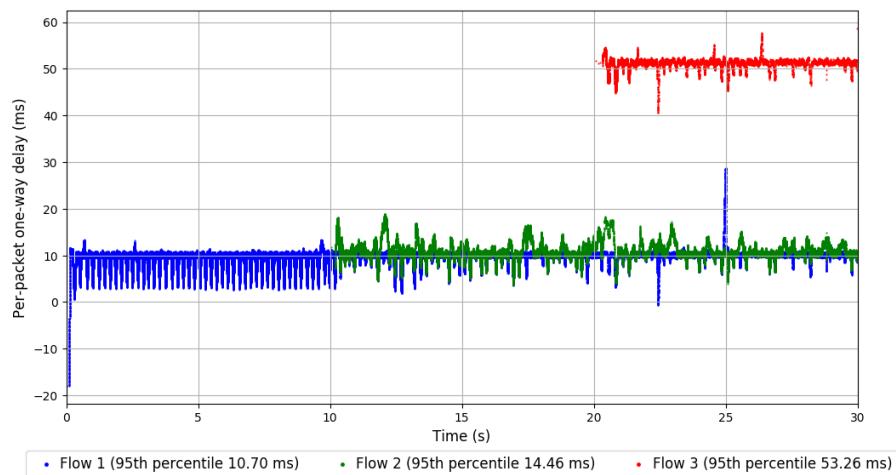
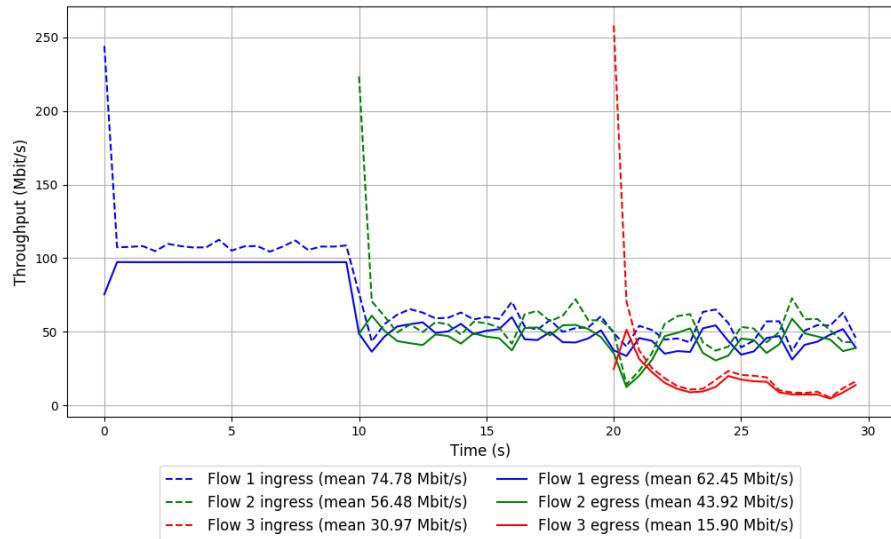


Run 5: Statistics of FillP

```
Start at: 2018-02-13 18:32:50
End at: 2018-02-13 18:33:20
Local clock offset: -4.455 ms
Remote clock offset: -24.418 ms

# Below is generated by plot.py at 2018-02-13 21:02:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 48.456 ms
Loss rate: 20.91%
-- Flow 1:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 10.695 ms
Loss rate: 16.40%
-- Flow 2:
Average throughput: 43.92 Mbit/s
95th percentile per-packet one-way delay: 14.460 ms
Loss rate: 22.25%
-- Flow 3:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 53.256 ms
Loss rate: 48.82%
```

Run 5: Report of FillP — Data Link

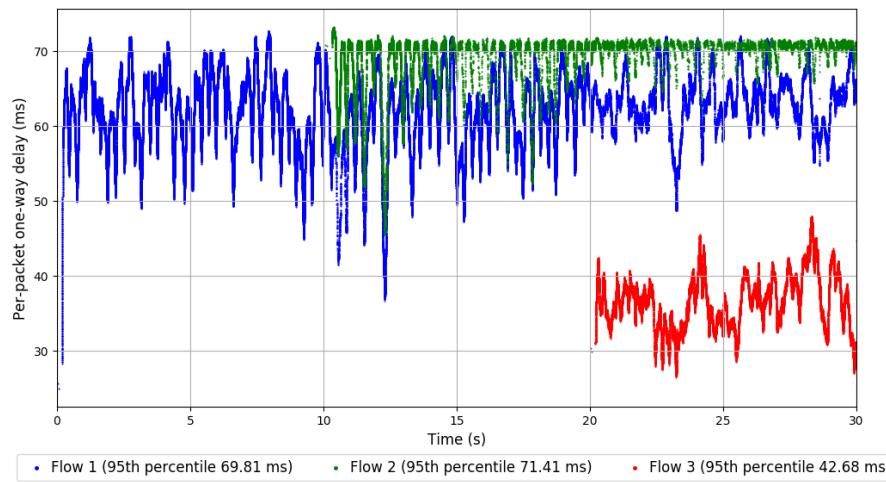
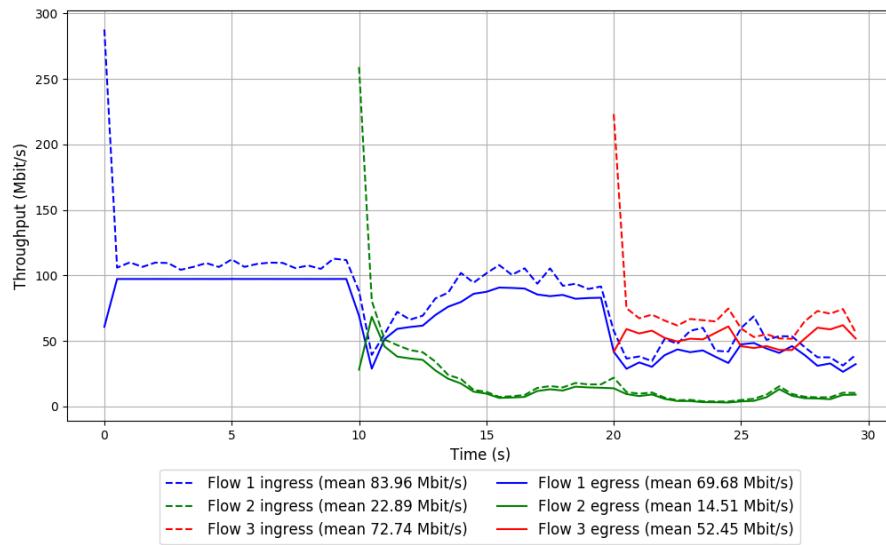


Run 6: Statistics of FillP

```
Start at: 2018-02-13 18:53:19
End at: 2018-02-13 18:53:49
Local clock offset: -4.852 ms
Remote clock offset: -4.135 ms

# Below is generated by plot.py at 2018-02-13 21:02:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 70.708 ms
Loss rate: 21.55%
-- Flow 1:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 69.805 ms
Loss rate: 16.99%
-- Flow 2:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 71.410 ms
Loss rate: 36.74%
-- Flow 3:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 42.679 ms
Loss rate: 27.79%
```

Run 6: Report of FillP — Data Link

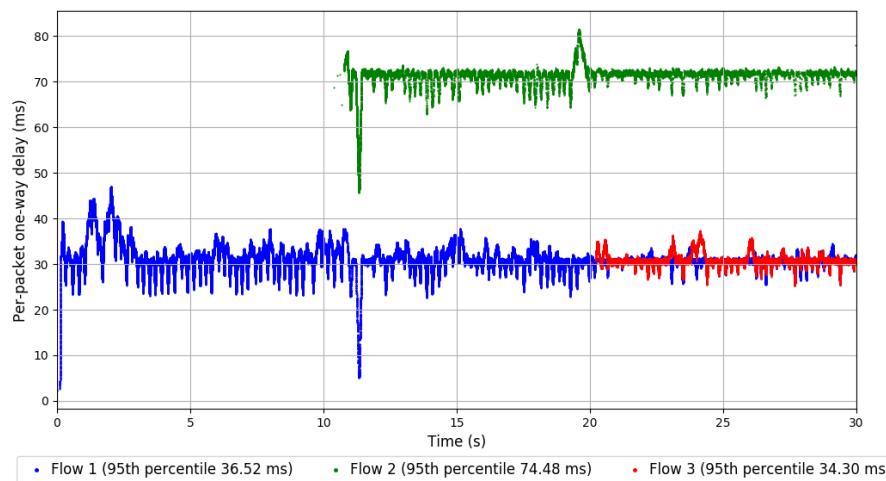
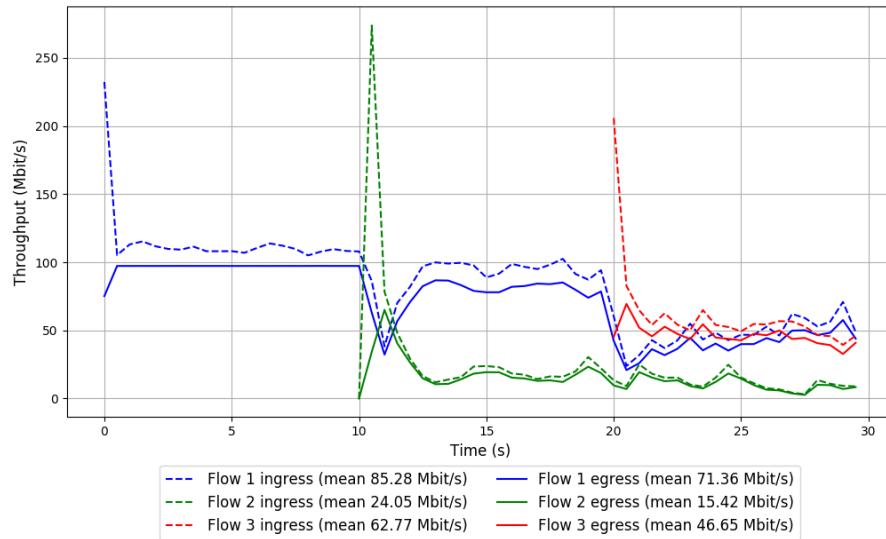


Run 7: Statistics of FillP

```
Start at: 2018-02-13 19:13:47
End at: 2018-02-13 19:14:17
Local clock offset: -4.385 ms
Remote clock offset: -4.31 ms

# Below is generated by plot.py at 2018-02-13 21:03:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 71.686 ms
Loss rate: 20.57%
-- Flow 1:
Average throughput: 71.36 Mbit/s
95th percentile per-packet one-way delay: 36.523 ms
Loss rate: 16.25%
-- Flow 2:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 74.485 ms
Loss rate: 36.97%
-- Flow 3:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 34.295 ms
Loss rate: 25.68%
```

Run 7: Report of FillP — Data Link

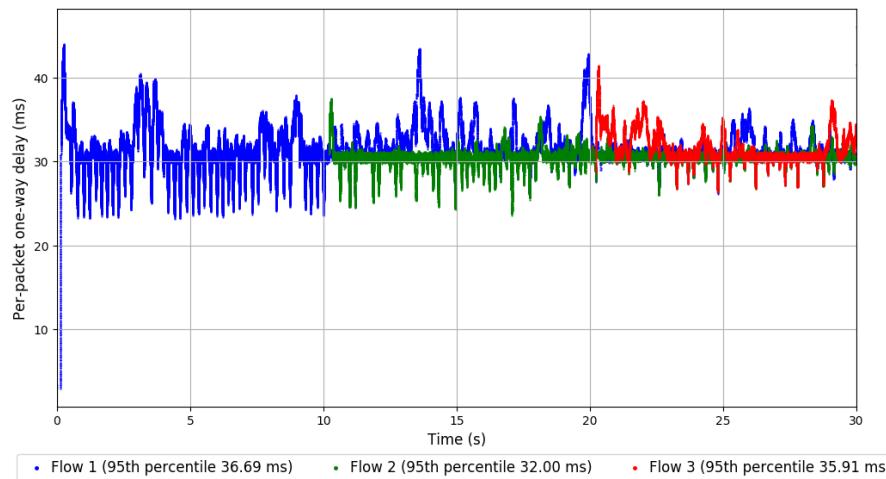
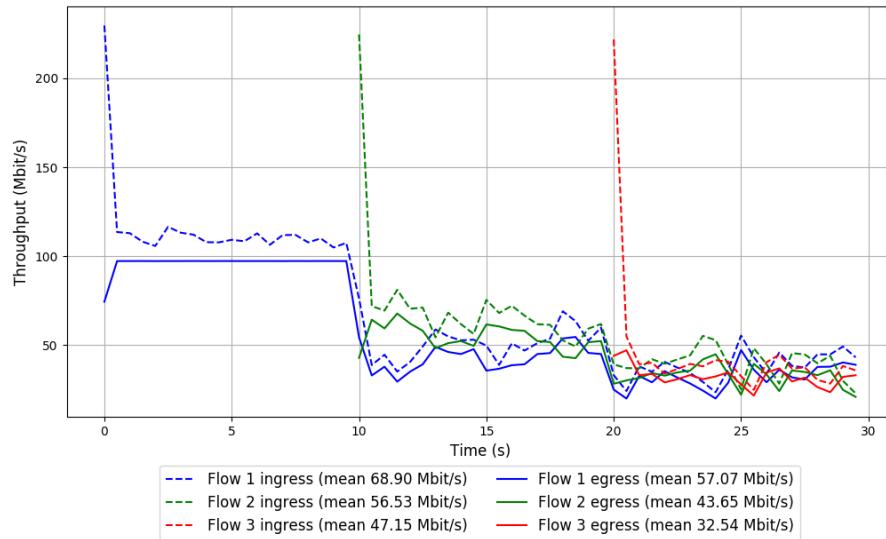


Run 8: Statistics of FillP

```
Start at: 2018-02-13 19:34:16
End at: 2018-02-13 19:34:46
Local clock offset: -4.501 ms
Remote clock offset: -3.69 ms

# Below is generated by plot.py at 2018-02-13 21:03:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 35.870 ms
Loss rate: 20.60%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 36.685 ms
Loss rate: 17.09%
-- Flow 2:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 31.995 ms
Loss rate: 22.73%
-- Flow 3:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 35.913 ms
Loss rate: 30.92%
```

Run 8: Report of FillP — Data Link

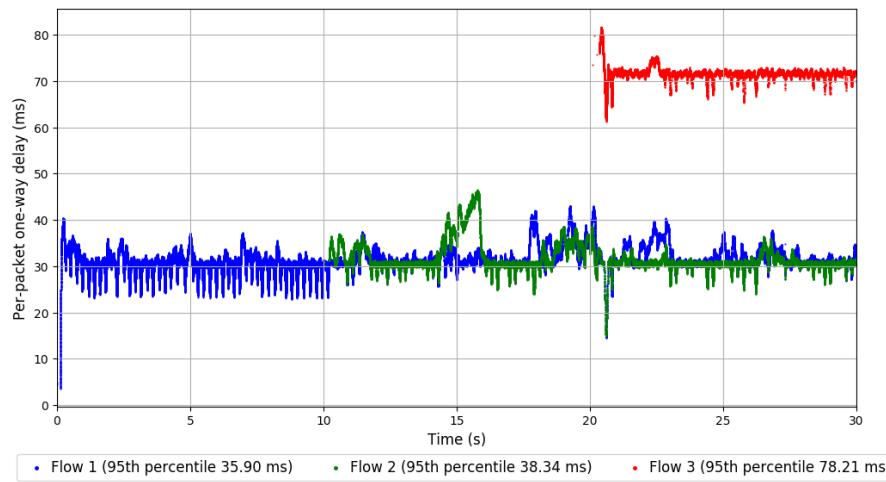
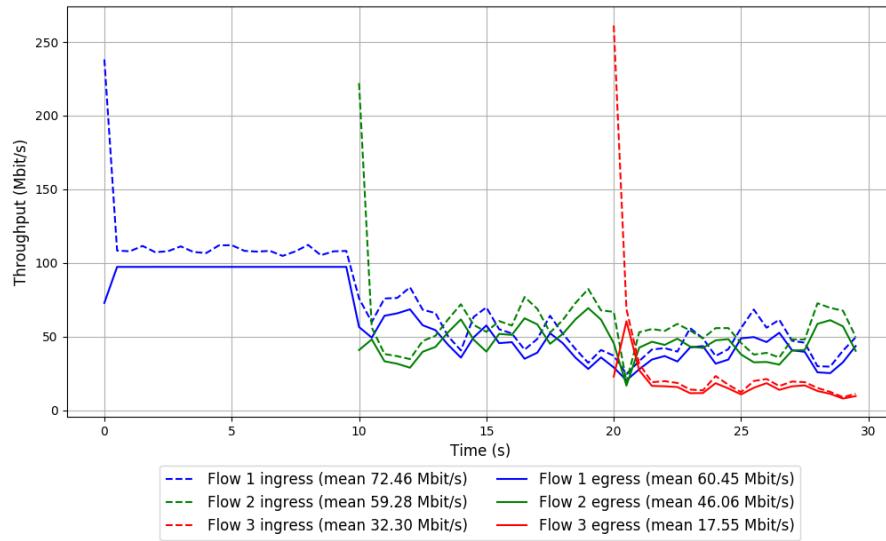


Run 9: Statistics of FillP

```
Start at: 2018-02-13 19:54:45
End at: 2018-02-13 19:55:15
Local clock offset: -5.412 ms
Remote clock offset: -3.368 ms

# Below is generated by plot.py at 2018-02-13 21:03:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 70.788 ms
Loss rate: 20.93%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 35.896 ms
Loss rate: 16.50%
-- Flow 2:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 38.341 ms
Loss rate: 22.29%
-- Flow 3:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 78.211 ms
Loss rate: 45.87%
```

Run 9: Report of FillP — Data Link

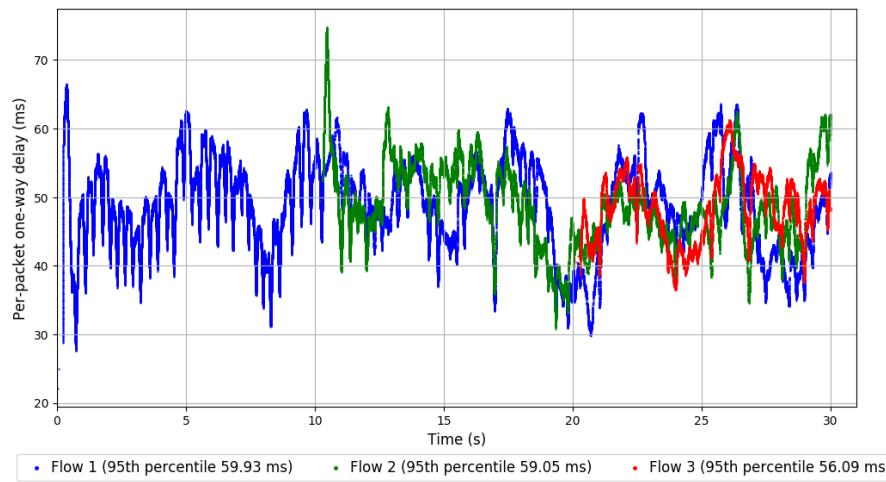
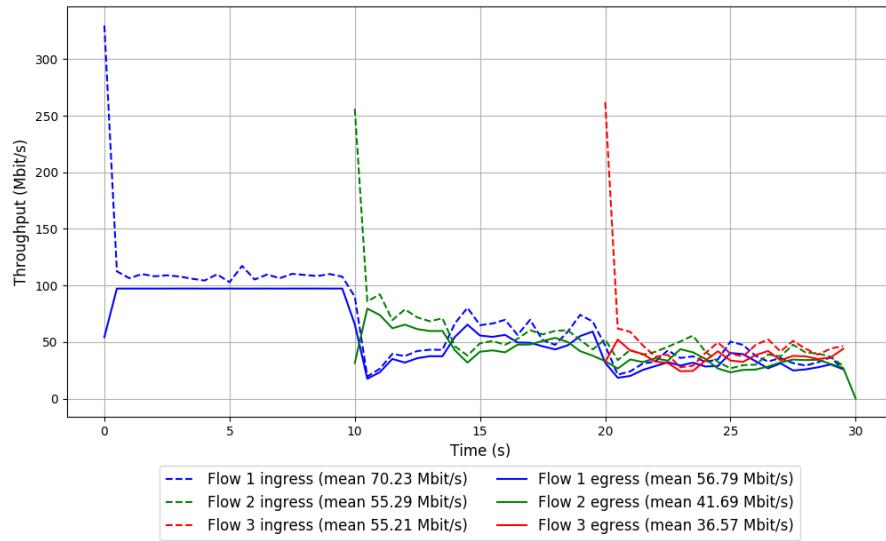


Run 10: Statistics of FillP

```
Start at: 2018-02-13 20:15:28
End at: 2018-02-13 20:15:58
Local clock offset: 12.38 ms
Remote clock offset: -5.361 ms

# Below is generated by plot.py at 2018-02-13 21:03:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 59.341 ms
Loss rate: 22.83%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 59.931 ms
Loss rate: 19.06%
-- Flow 2:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 59.045 ms
Loss rate: 24.61%
-- Flow 3:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 56.087 ms
Loss rate: 33.71%
```

Run 10: Report of FillP — Data Link

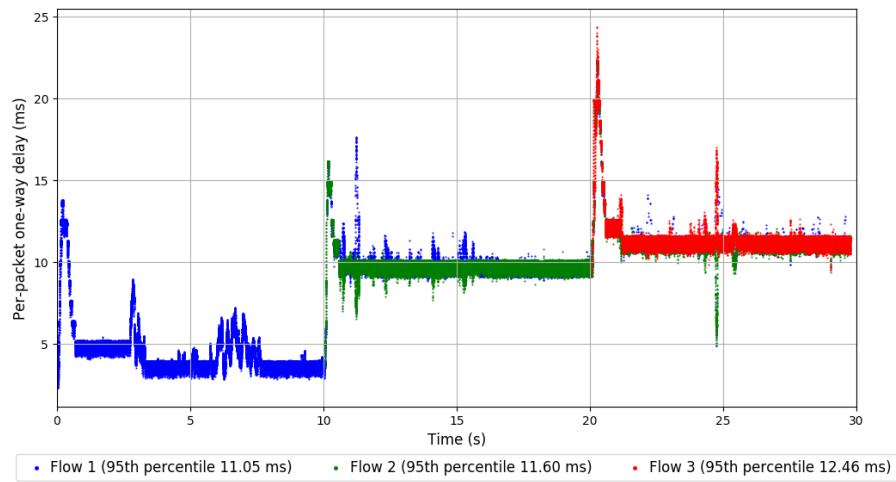
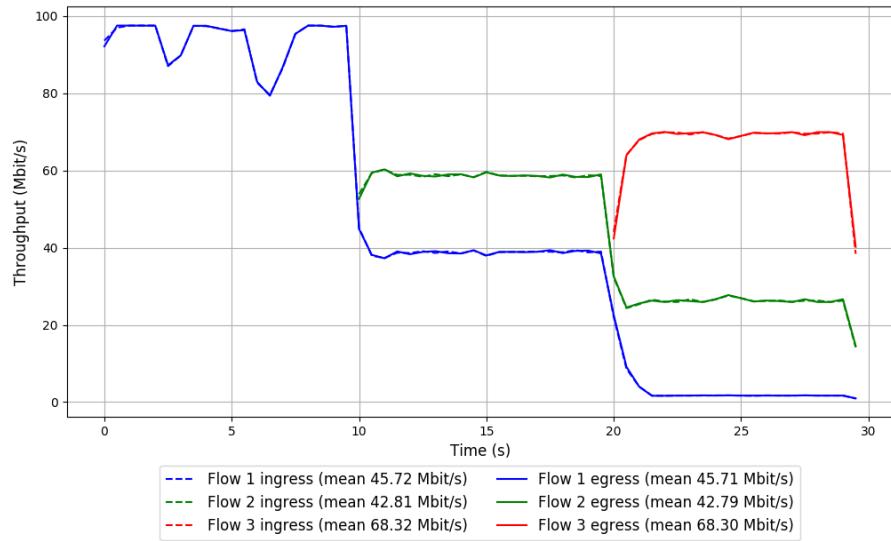


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-13 17:08:42
End at: 2018-02-13 17:09:12
Local clock offset: -5.054 ms
Remote clock offset: -5.183 ms

# Below is generated by plot.py at 2018-02-13 21:03:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 12.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 11.054 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 11.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.30 Mbit/s
95th percentile per-packet one-way delay: 12.458 ms
Loss rate: 0.00%
```

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

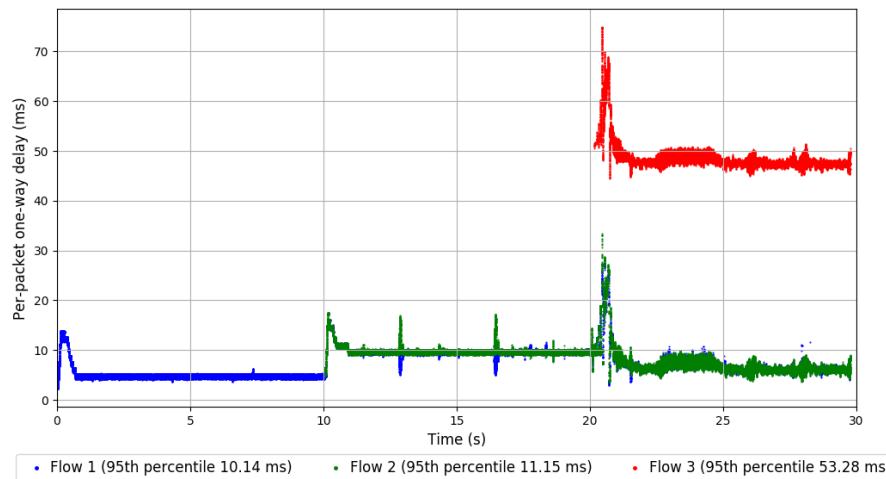
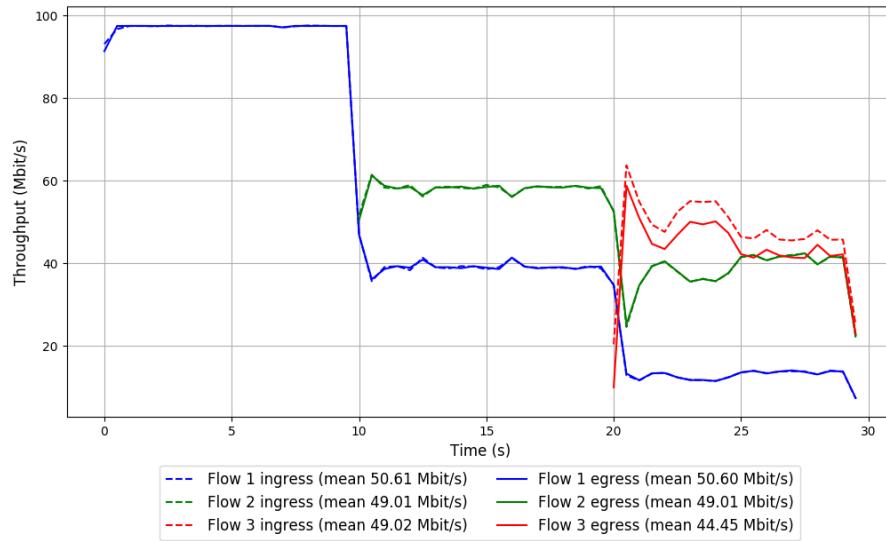


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-13 17:29:12
End at: 2018-02-13 17:29:42
Local clock offset: -3.967 ms
Remote clock offset: -4.538 ms

# Below is generated by plot.py at 2018-02-13 21:04:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 48.346 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 10.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 11.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 53.279 ms
Loss rate: 9.71%
```

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

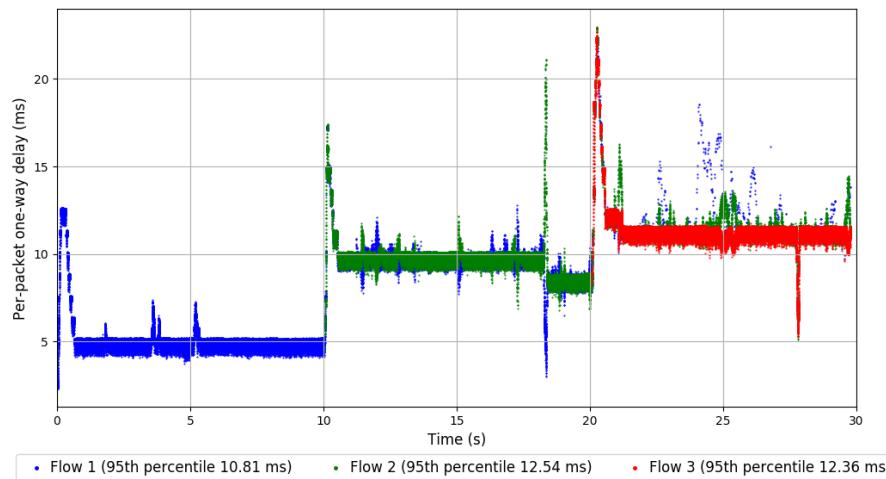
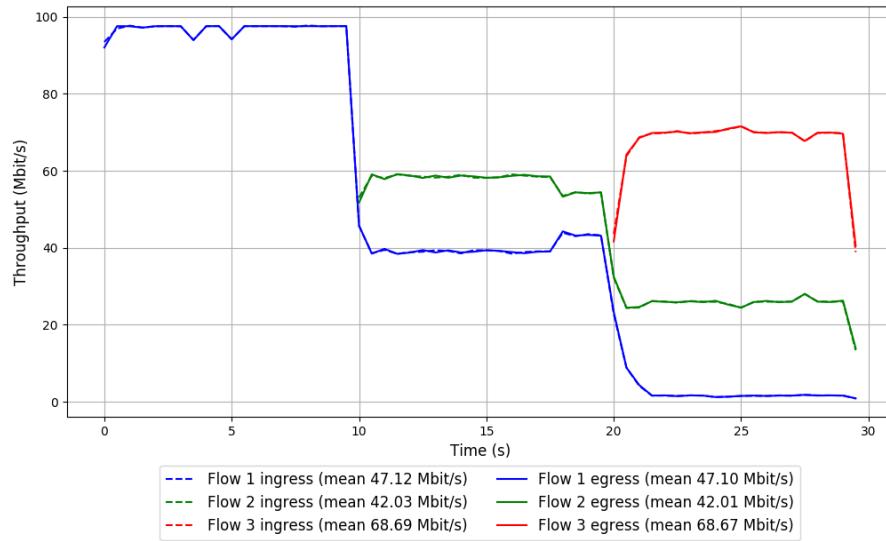


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-13 17:49:38
End at: 2018-02-13 17:50:08
Local clock offset: -3.351 ms
Remote clock offset: -4.357 ms

# Below is generated by plot.py at 2018-02-13 21:04:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 12.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 10.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 12.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 12.356 ms
Loss rate: 0.00%
```

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

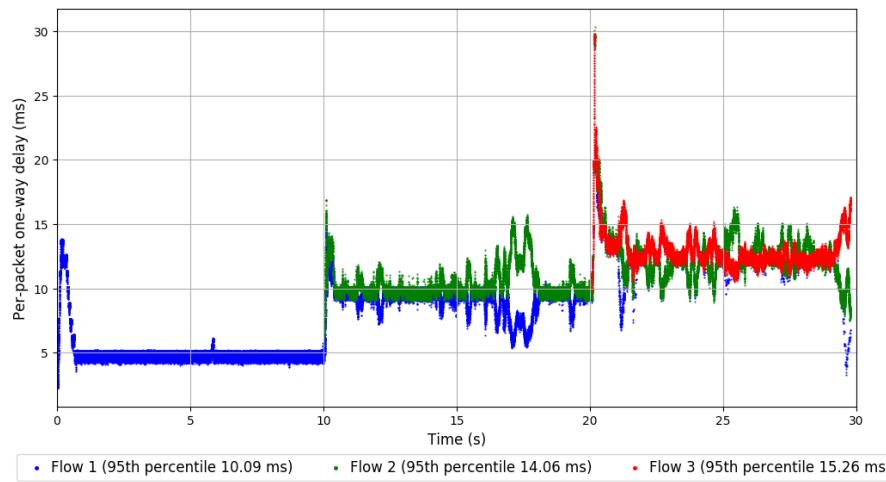
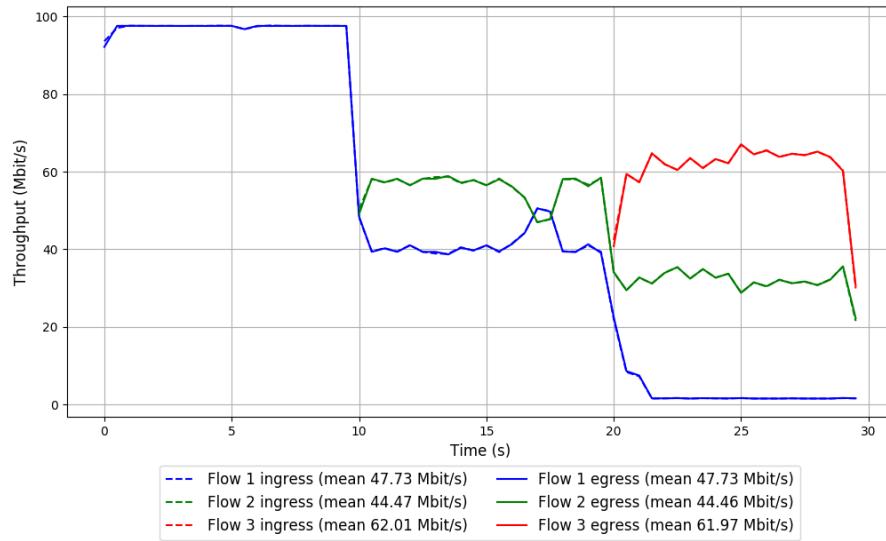


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-13 18:10:05
End at: 2018-02-13 18:10:35
Local clock offset: -3.96 ms
Remote clock offset: -4.226 ms

# Below is generated by plot.py at 2018-02-13 21:04:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 13.827 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 10.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 14.065 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 15.258 ms
Loss rate: 0.08%
```

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

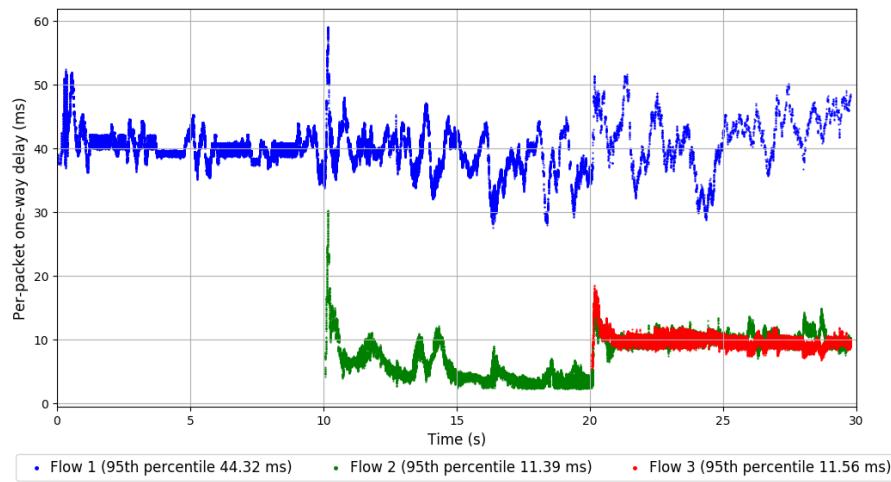
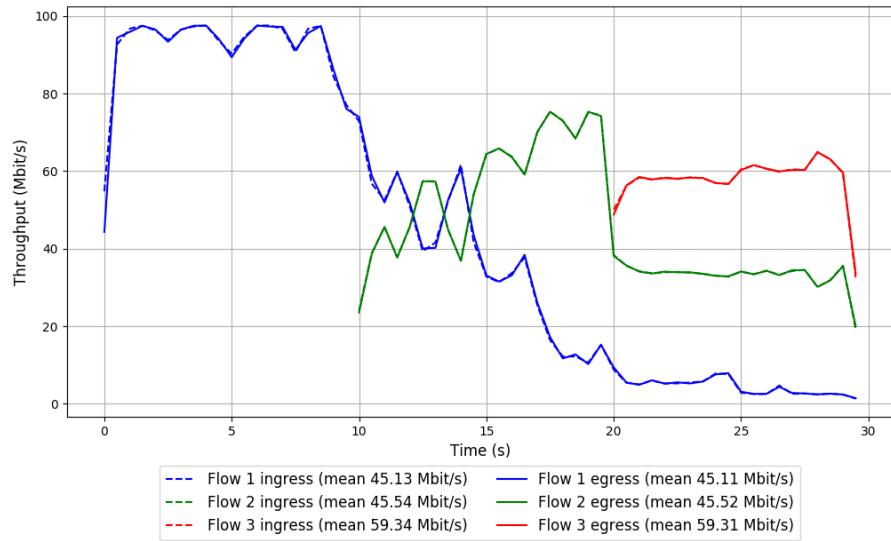


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-13 18:30:32
End at: 2018-02-13 18:31:02
Local clock offset: -4.43 ms
Remote clock offset: -4.121 ms

# Below is generated by plot.py at 2018-02-13 21:04:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 42.972 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 44.320 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 45.52 Mbit/s
95th percentile per-packet one-way delay: 11.395 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 11.559 ms
Loss rate: 0.00%
```

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

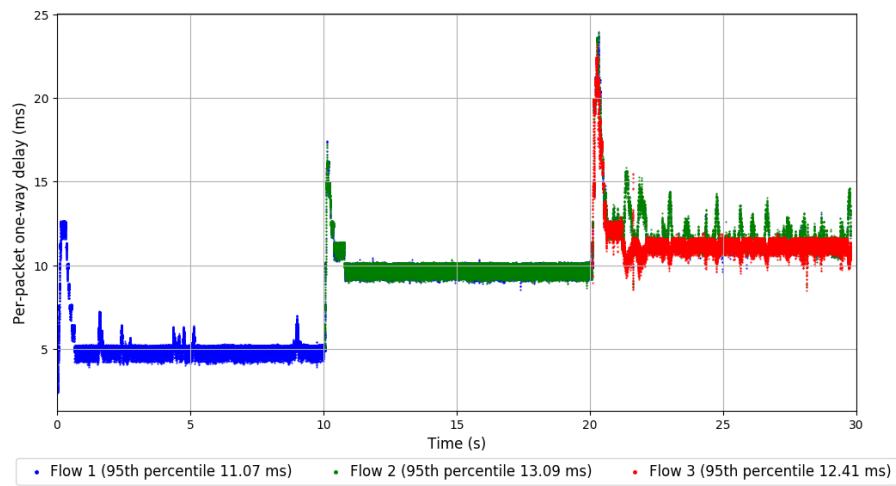
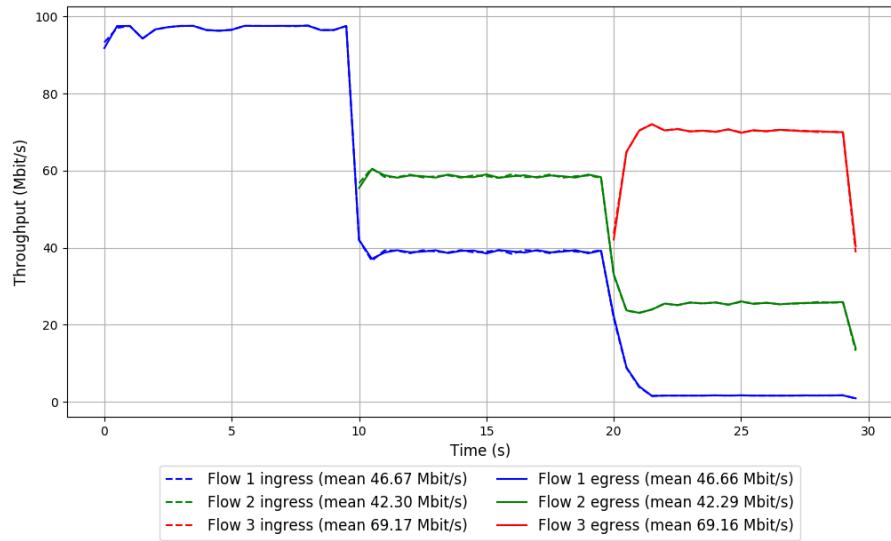


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-13 18:51:01
End at: 2018-02-13 18:51:31
Local clock offset: -4.836 ms
Remote clock offset: -4.077 ms

# Below is generated by plot.py at 2018-02-13 21:04:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 12.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 11.071 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 13.091 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 12.408 ms
Loss rate: 0.00%
```

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

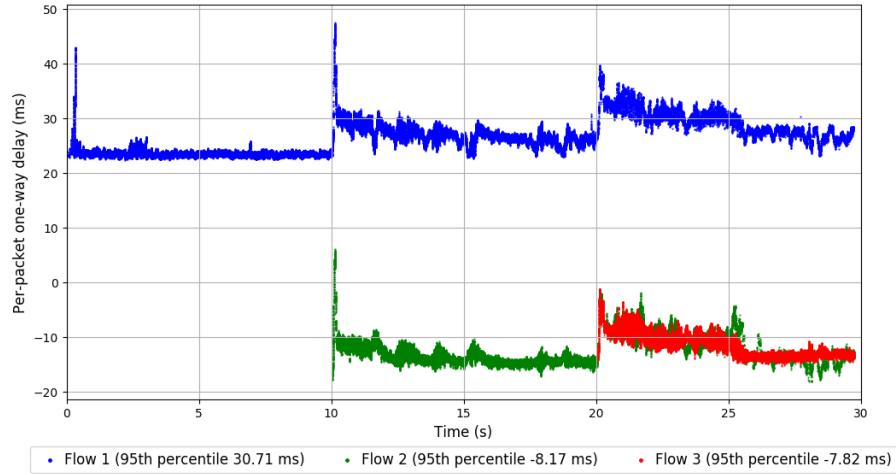
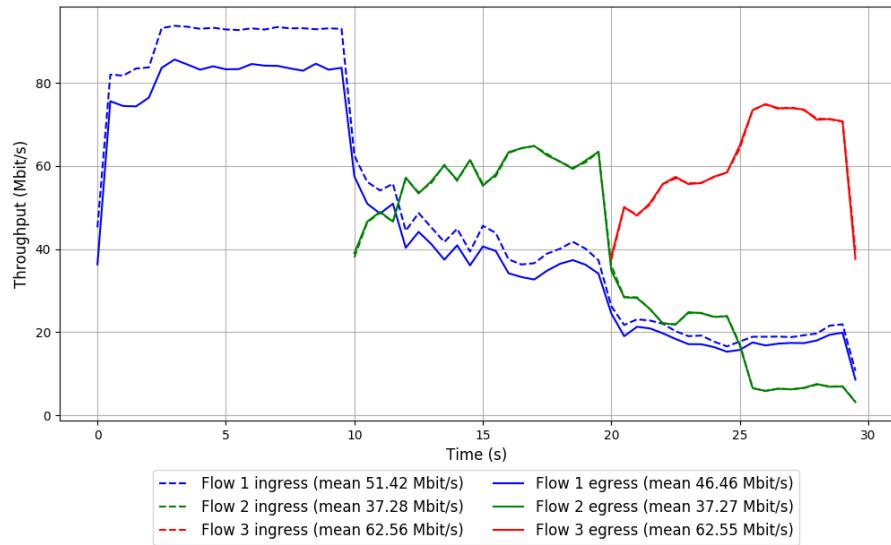


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-13 19:11:31
End at: 2018-02-13 19:12:01
Local clock offset: -4.401 ms
Remote clock offset: -24.861 ms

# Below is generated by plot.py at 2018-02-13 21:04:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 29.341 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 30.710 ms
Loss rate: 9.78%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: -8.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: -7.818 ms
Loss rate: 0.01%
```

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

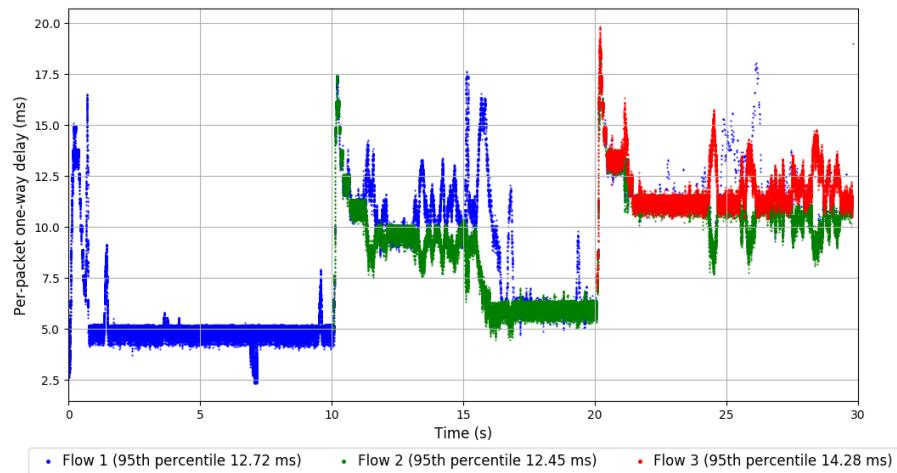
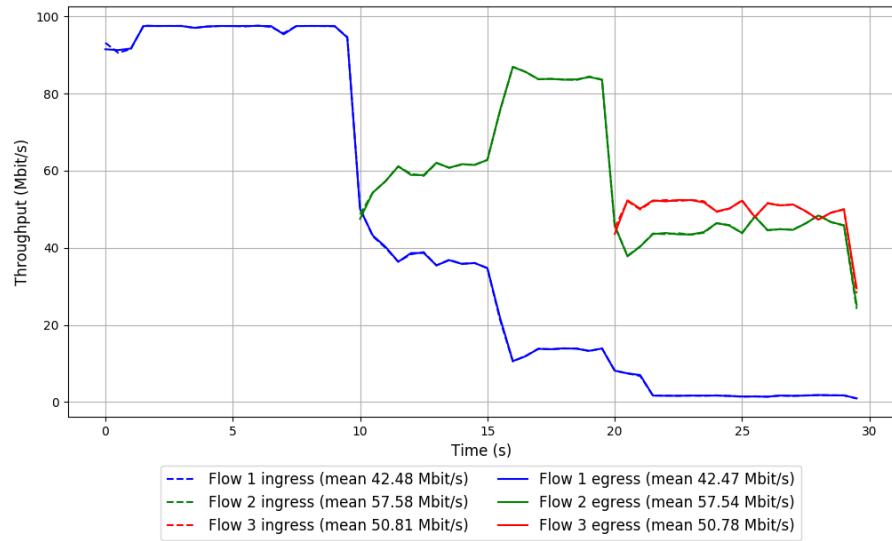


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-13 19:31:58
End at: 2018-02-13 19:32:28
Local clock offset: -4.219 ms
Remote clock offset: -3.789 ms

# Below is generated by plot.py at 2018-02-13 21:05:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 13.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 12.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 12.451 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 14.280 ms
Loss rate: 0.00%
```

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

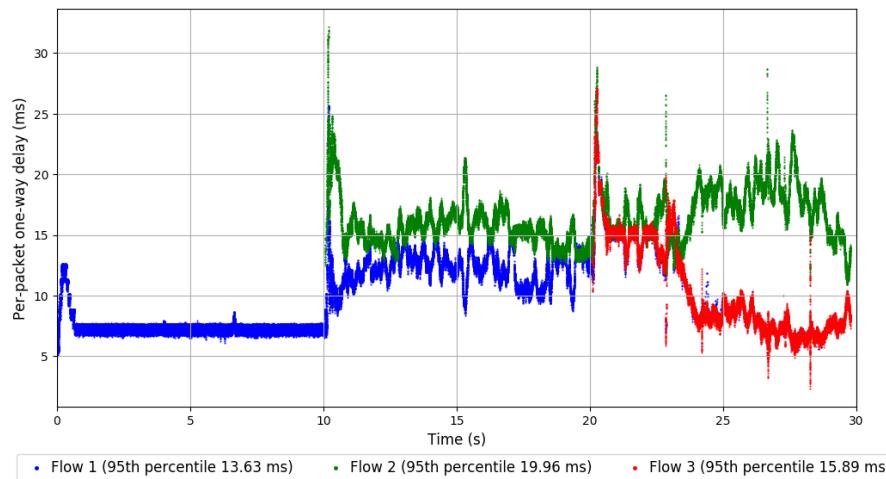
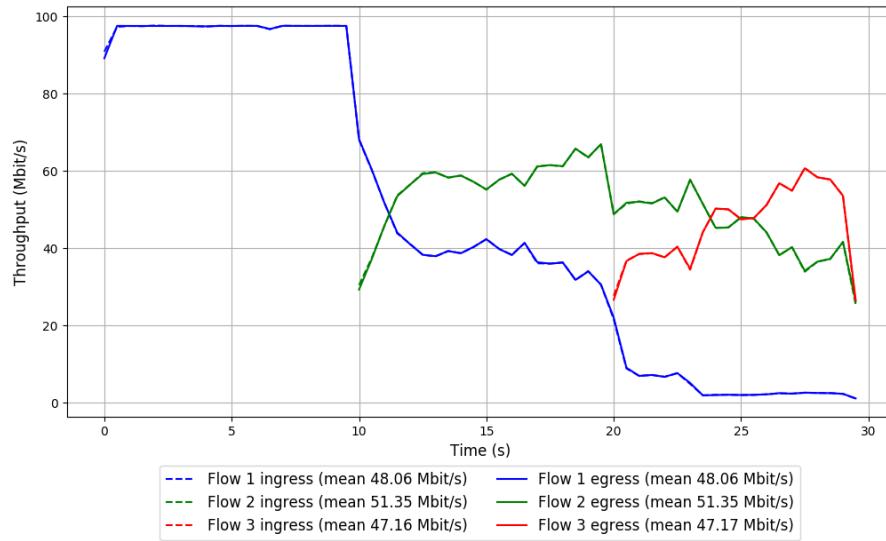


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-13 19:52:27
End at: 2018-02-13 19:52:57
Local clock offset: -5.438 ms
Remote clock offset: -3.385 ms

# Below is generated by plot.py at 2018-02-13 21:05:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 18.485 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 13.635 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.35 Mbit/s
95th percentile per-packet one-way delay: 19.958 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 15.888 ms
Loss rate: 0.00%
```

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

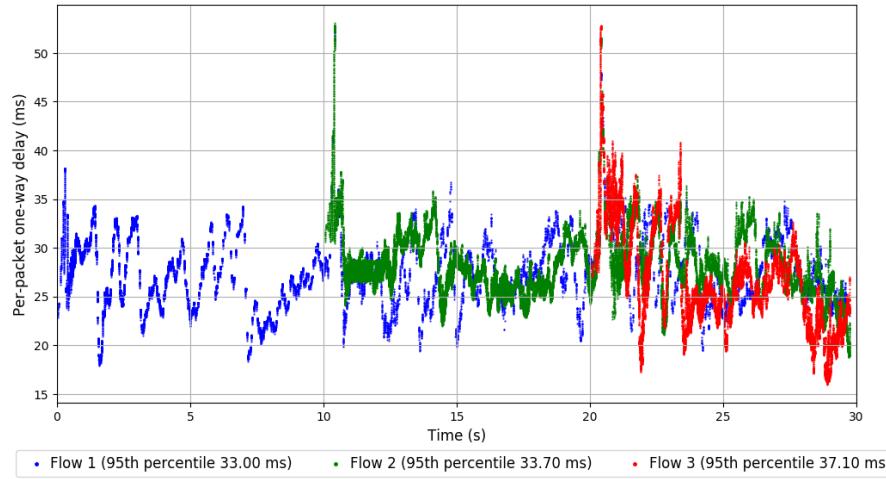
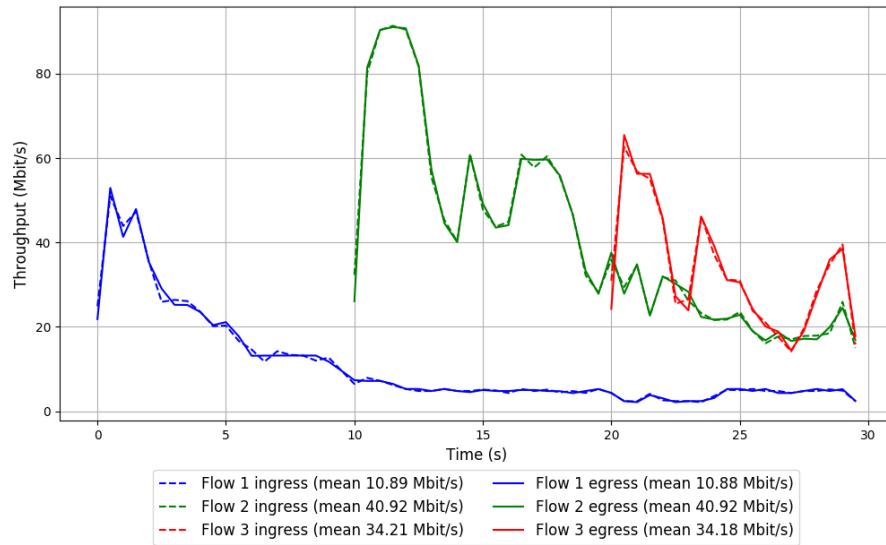


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-13 20:13:10
End at: 2018-02-13 20:13:40
Local clock offset: 13.816 ms
Remote clock offset: -5.176 ms

# Below is generated by plot.py at 2018-02-13 21:05:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 34.376 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 33.004 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 33.704 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 37.099 ms
Loss rate: 0.13%
```

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

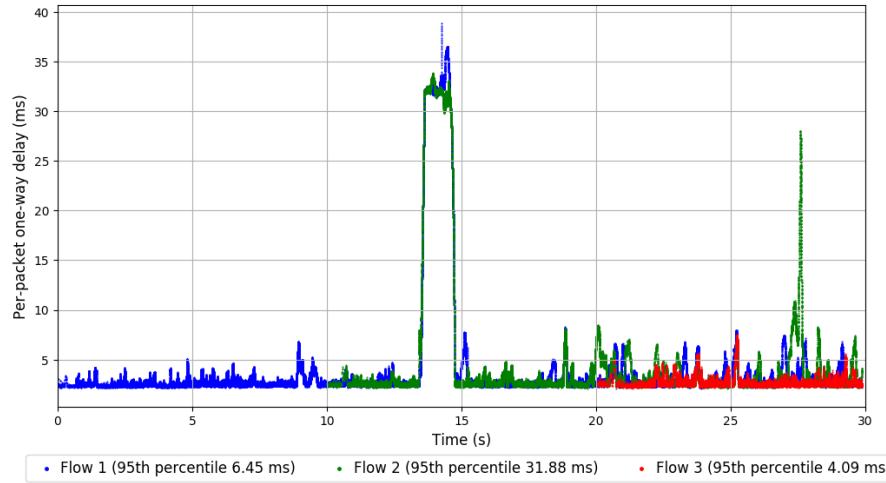
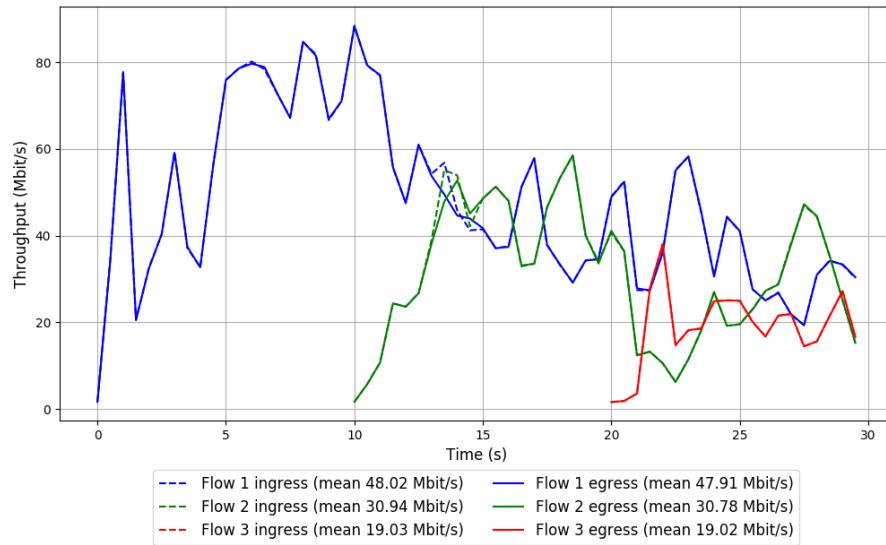


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-13 17:09:51
End at: 2018-02-13 17:10:21
Local clock offset: -5.014 ms
Remote clock offset: -5.104 ms

# Below is generated by plot.py at 2018-02-13 21:05:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.66 Mbit/s
95th percentile per-packet one-way delay: 18.376 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 6.447 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 31.878 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 4.094 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-latency — Data Link

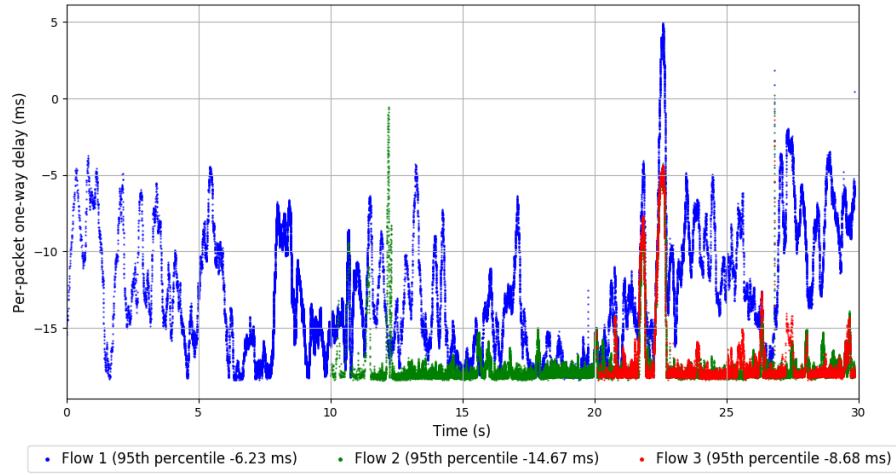
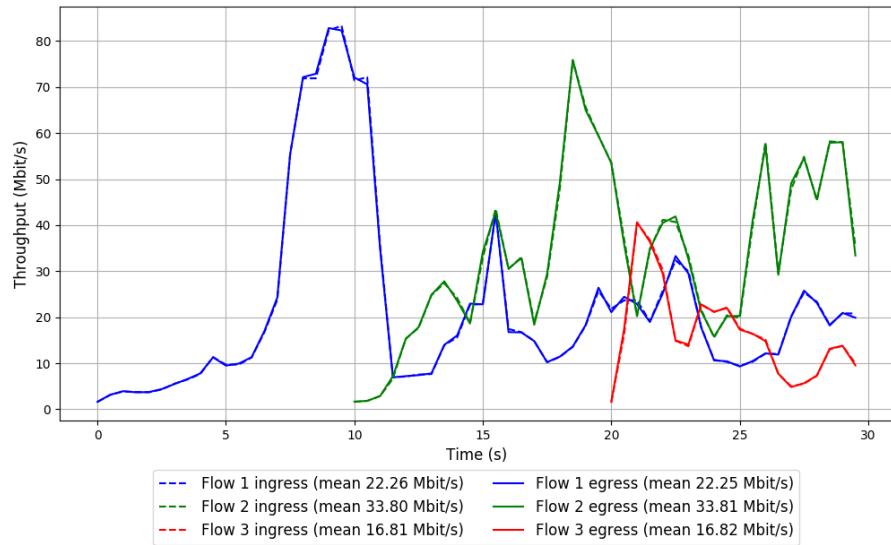


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-13 17:30:22
End at: 2018-02-13 17:30:52
Local clock offset: -3.929 ms
Remote clock offset: -25.082 ms

# Below is generated by plot.py at 2018-02-13 21:05:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: -7.401 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: -6.227 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: -14.666 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.82 Mbit/s
95th percentile per-packet one-way delay: -8.684 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-latency — Data Link

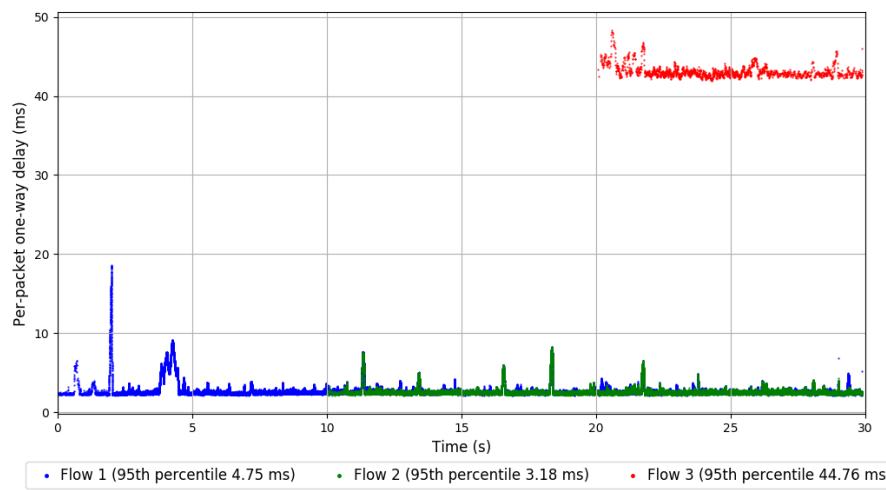
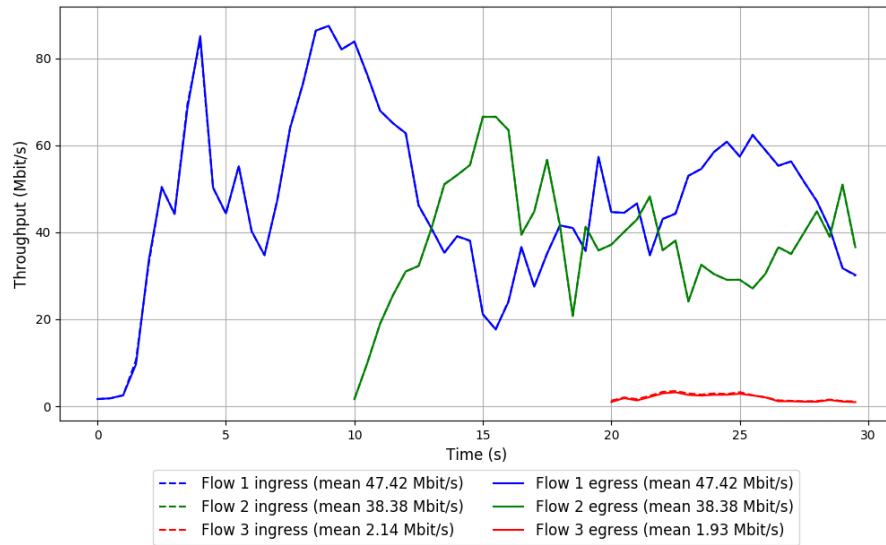


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-13 17:50:47
End at: 2018-02-13 17:51:17
Local clock offset: -3.436 ms
Remote clock offset: -4.341 ms

# Below is generated by plot.py at 2018-02-13 21:05:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 4.711 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 4.753 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 3.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 44.758 ms
Loss rate: 9.85%
```

Run 3: Report of Vivace-latency — Data Link

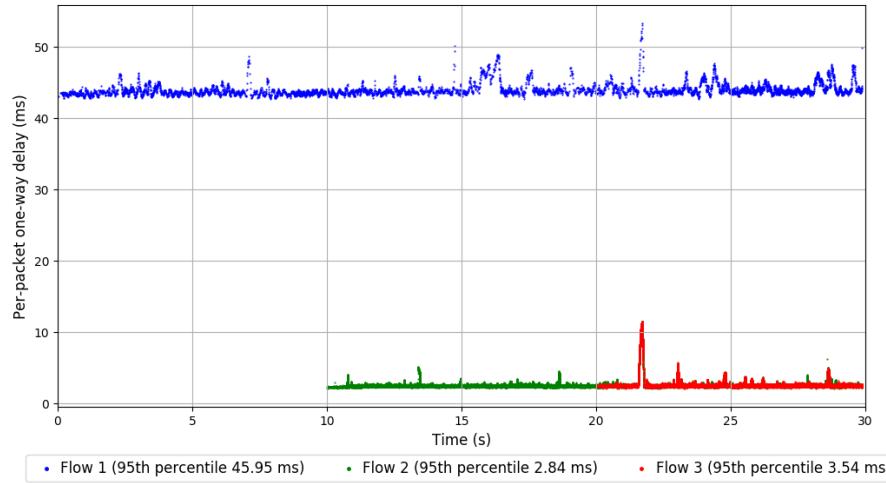
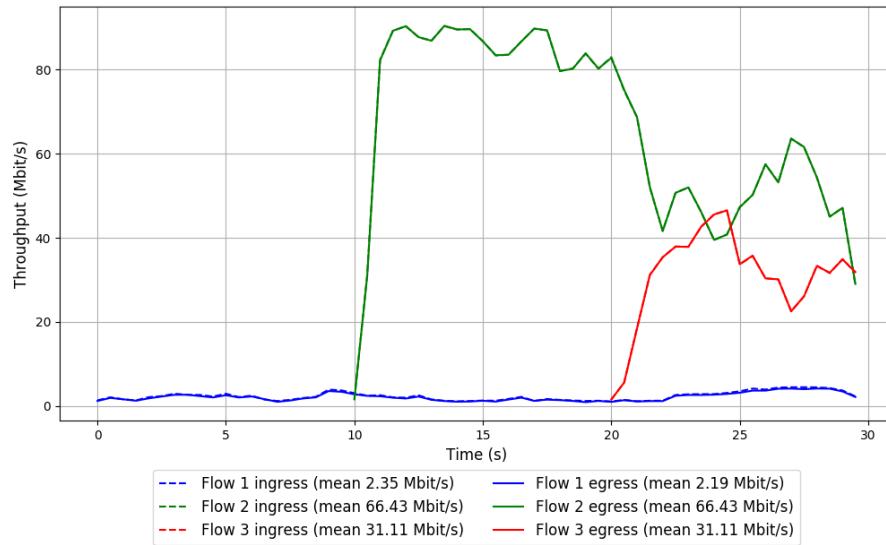


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-13 18:11:14
End at: 2018-02-13 18:11:44
Local clock offset: -3.971 ms
Remote clock offset: -4.207 ms

# Below is generated by plot.py at 2018-02-13 21:05:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 8.659 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 45.947 ms
Loss rate: 7.24%
-- Flow 2:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 2.842 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 3.542 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link

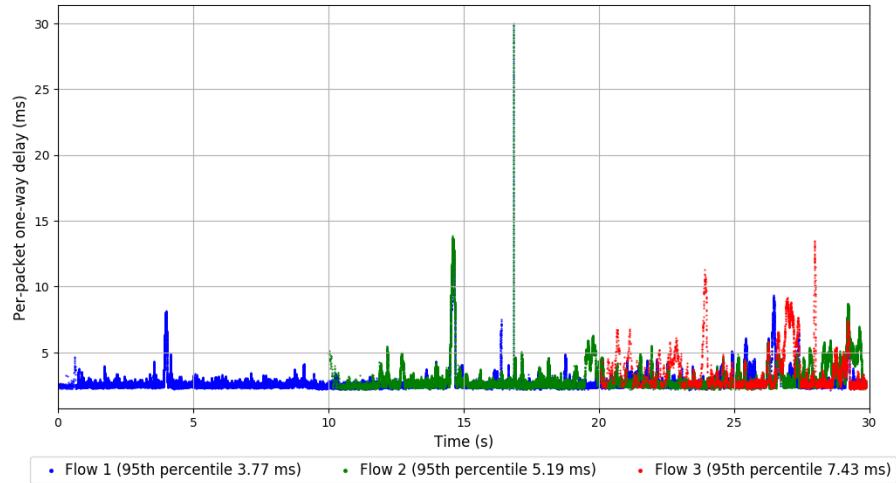
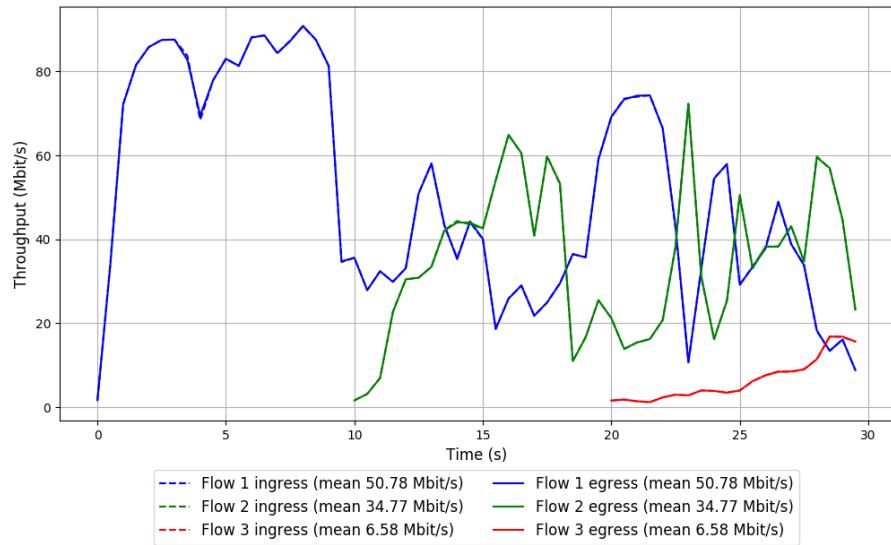


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-13 18:31:41
End at: 2018-02-13 18:32:11
Local clock offset: -4.462 ms
Remote clock offset: -4.107 ms

# Below is generated by plot.py at 2018-02-13 21:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.06 Mbit/s
95th percentile per-packet one-way delay: 4.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 3.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 5.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 7.430 ms
Loss rate: 0.00%
```

Run 5: Report of Vivace-latency — Data Link

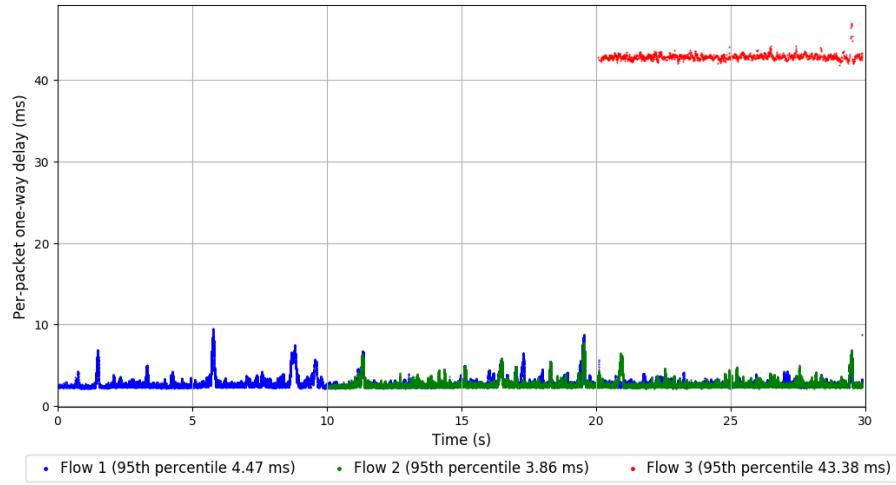
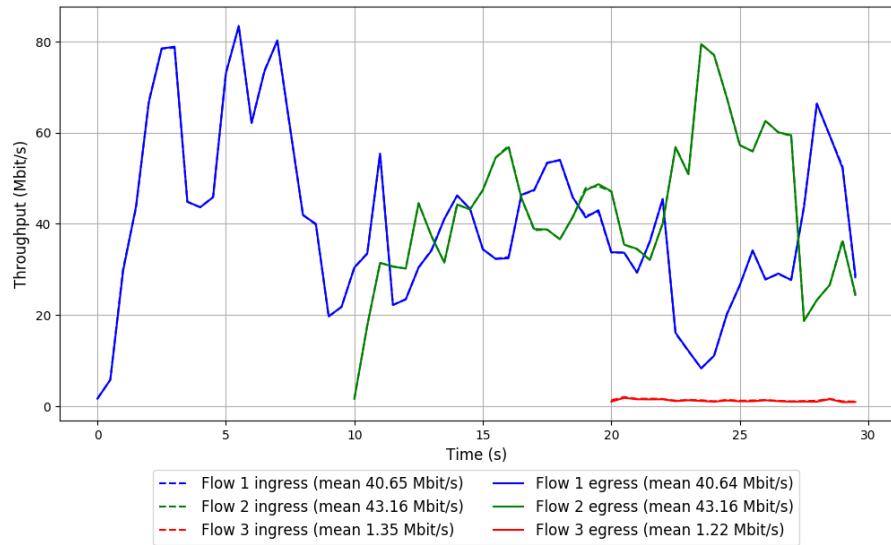


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-13 18:52:11
End at: 2018-02-13 18:52:41
Local clock offset: -4.758 ms
Remote clock offset: -4.041 ms

# Below is generated by plot.py at 2018-02-13 21:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 4.441 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 4.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 3.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 43.381 ms
Loss rate: 9.95%
```

Run 6: Report of Vivace-latency — Data Link

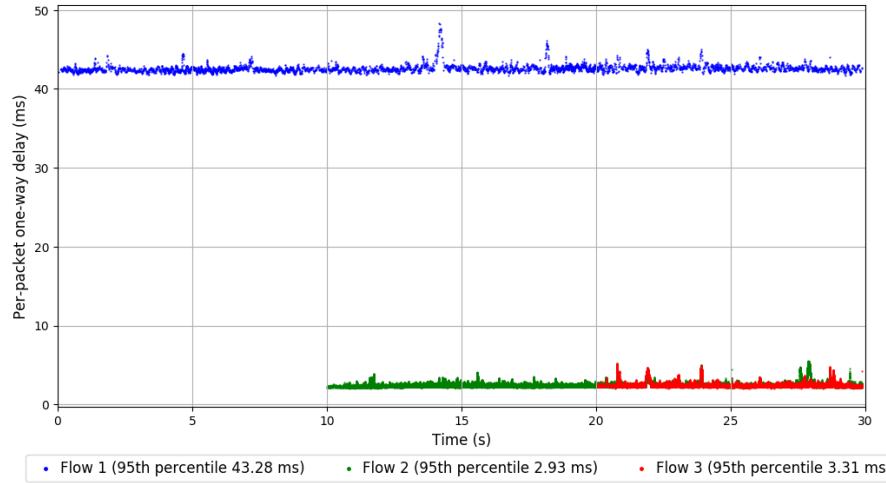
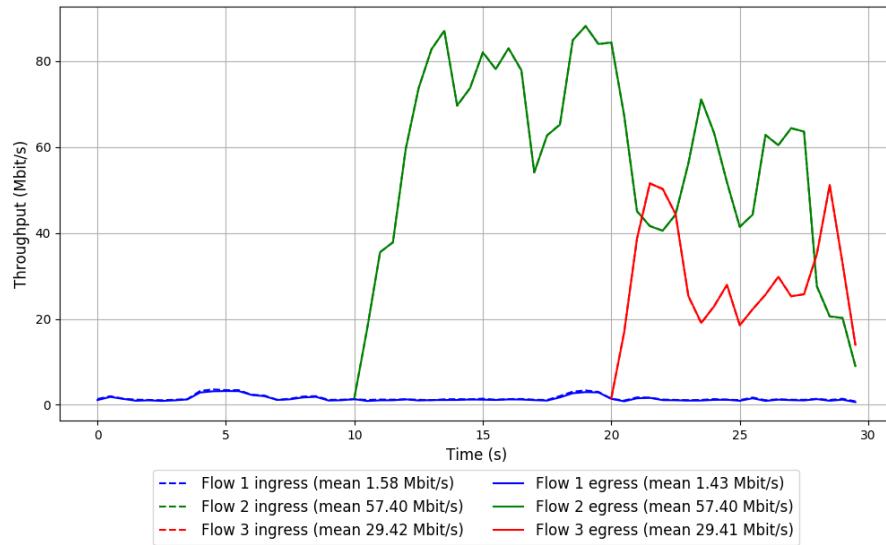


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-13 19:12:40
End at: 2018-02-13 19:13:10
Local clock offset: -4.4 ms
Remote clock offset: -4.365 ms

# Below is generated by plot.py at 2018-02-13 21:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 4.066 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 43.282 ms
Loss rate: 9.67%
-- Flow 2:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 2.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 3.306 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-latency — Data Link

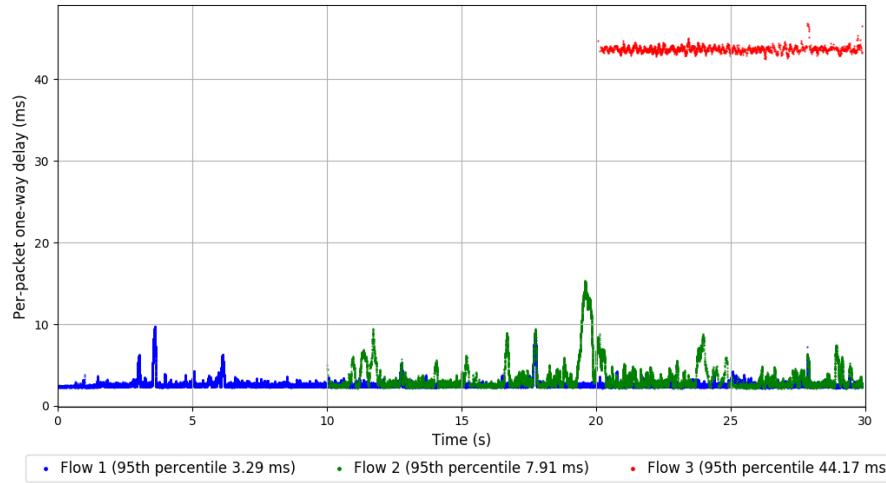
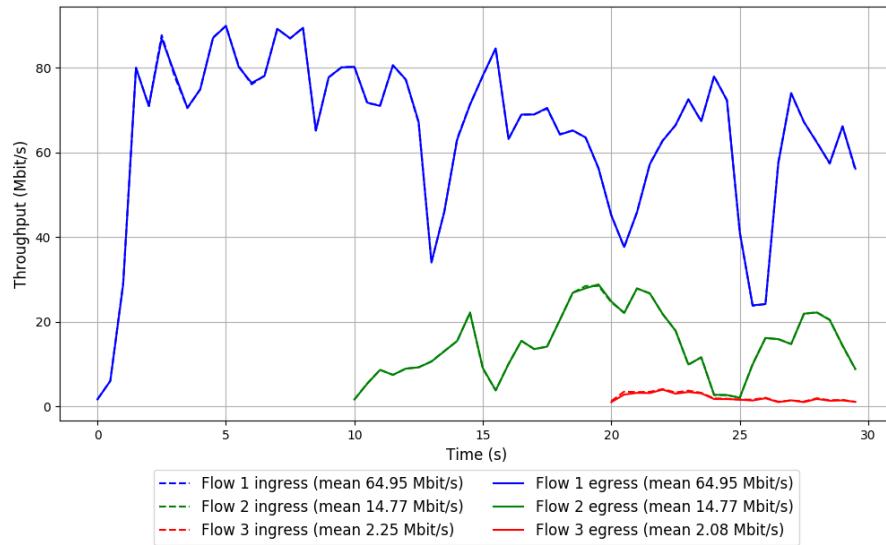


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-13 19:33:08
End at: 2018-02-13 19:33:38
Local clock offset: -4.346 ms
Remote clock offset: -3.741 ms

# Below is generated by plot.py at 2018-02-13 21:06:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 4.771 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 3.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 7.905 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 44.169 ms
Loss rate: 7.89%
```

Run 8: Report of Vivace-latency — Data Link

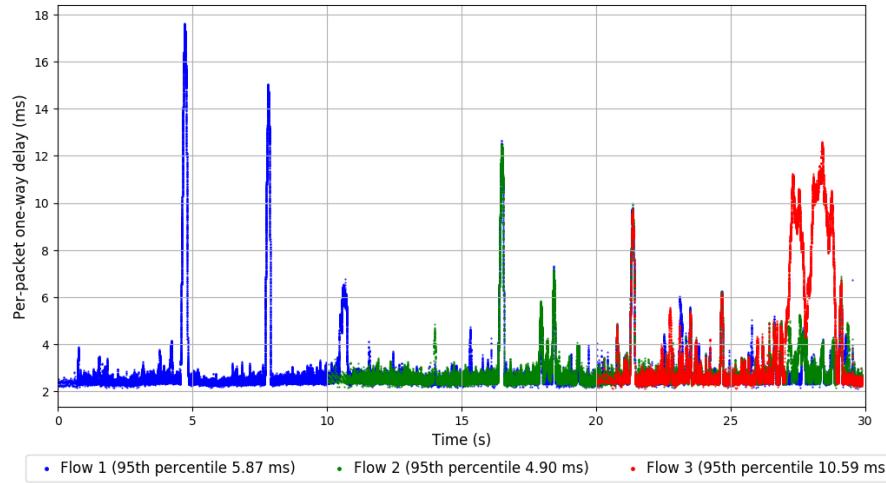
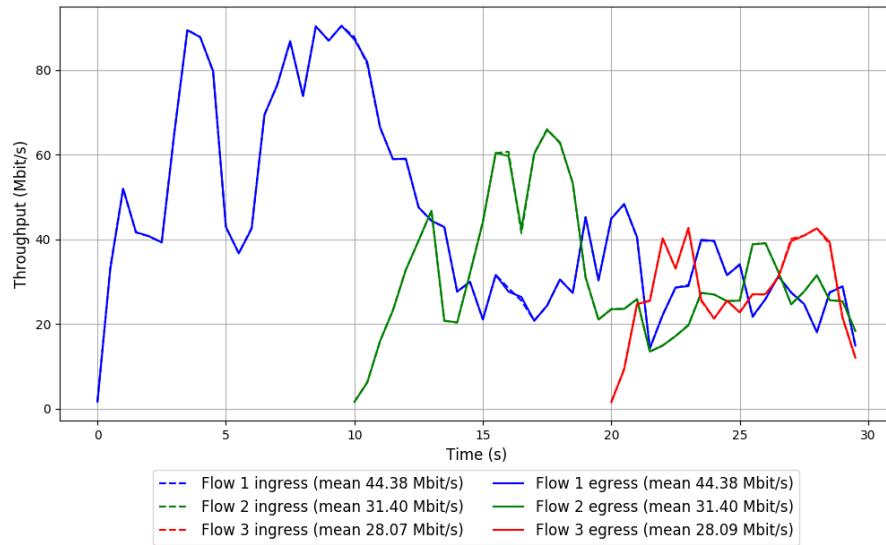


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-13 19:53:36
End at: 2018-02-13 19:54:06
Local clock offset: -5.408 ms
Remote clock offset: -3.349 ms

# Below is generated by plot.py at 2018-02-13 21:06:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 7.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 5.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 4.899 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 10.589 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-latency — Data Link

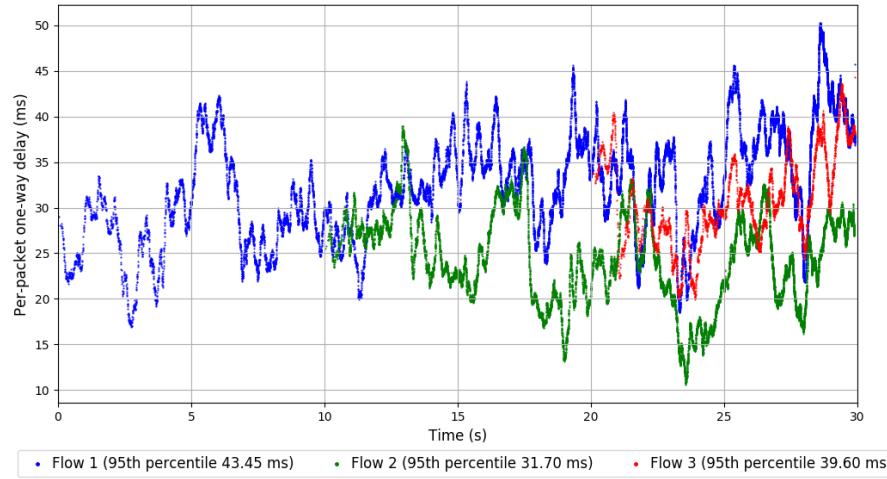
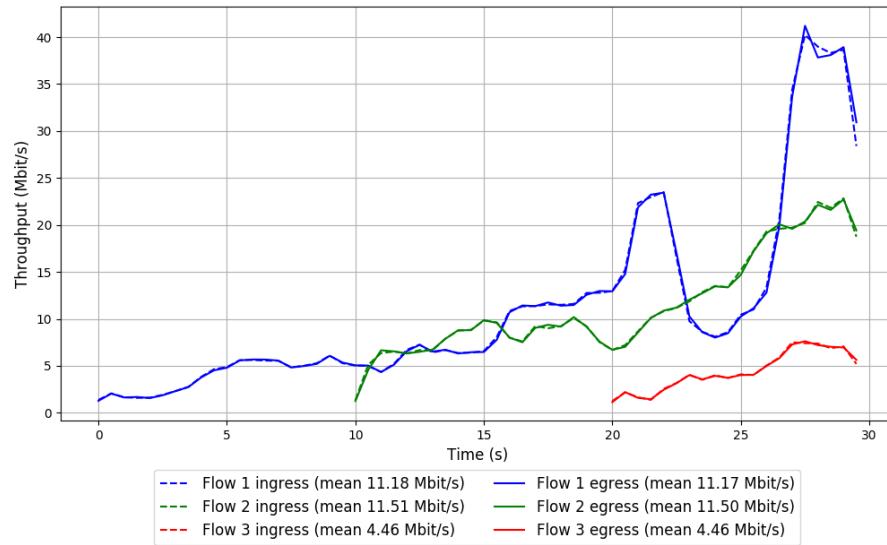


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-13 20:14:20
End at: 2018-02-13 20:14:50
Local clock offset: 10.176 ms
Remote clock offset: -5.226 ms

# Below is generated by plot.py at 2018-02-13 21:06:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 41.984 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 11.17 Mbit/s
95th percentile per-packet one-way delay: 43.454 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 31.696 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 39.605 ms
Loss rate: 0.13%
```

Run 10: Report of Vivace-latency — Data Link

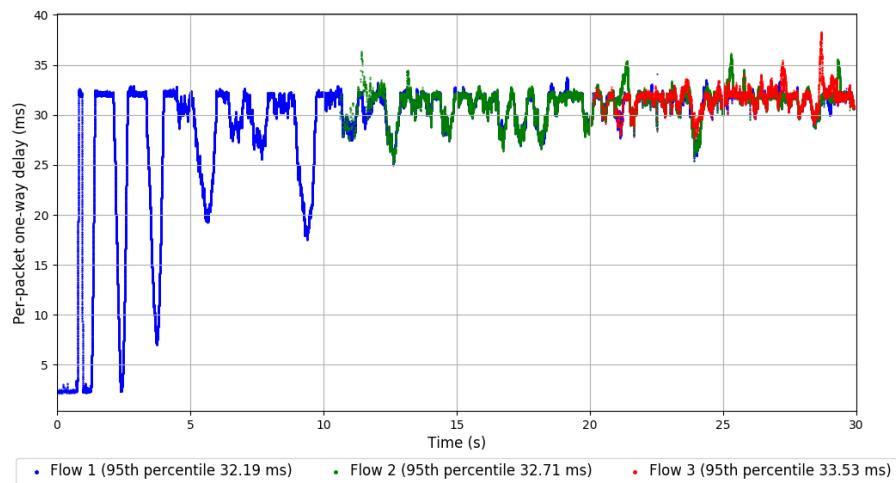
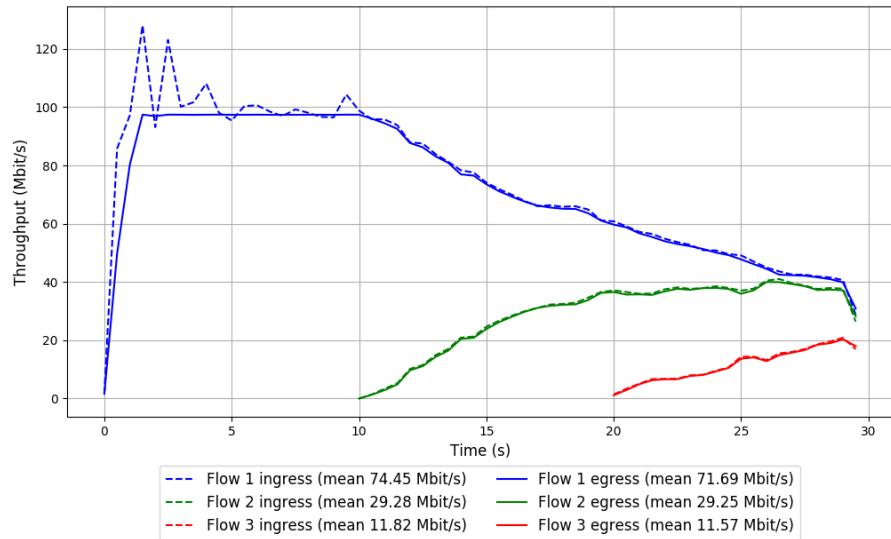


```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-02-13 17:06:25
End at: 2018-02-13 17:06:55
Local clock offset: -5.028 ms
Remote clock offset: -5.238 ms

# Below is generated by plot.py at 2018-02-13 21:07:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 32.296 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 71.69 Mbit/s
95th percentile per-packet one-way delay: 32.186 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 32.709 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 33.527 ms
Loss rate: 2.15%
```

Run 1: Report of Vivace-loss — Data Link

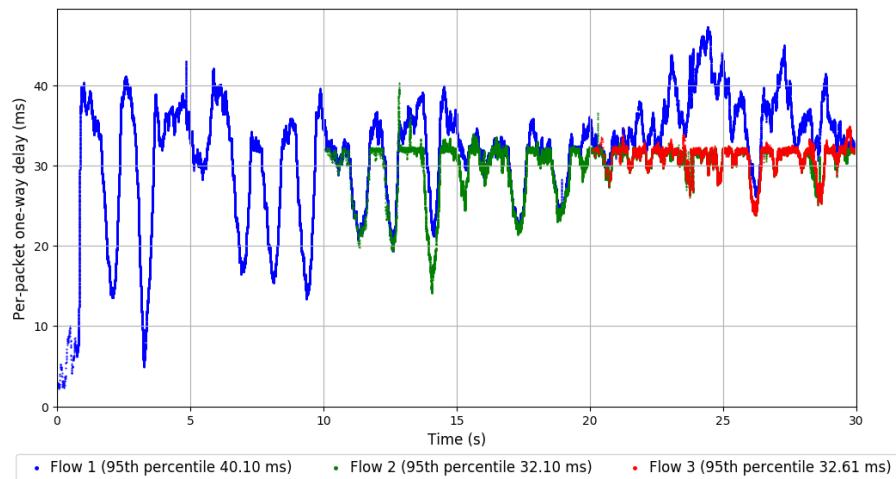
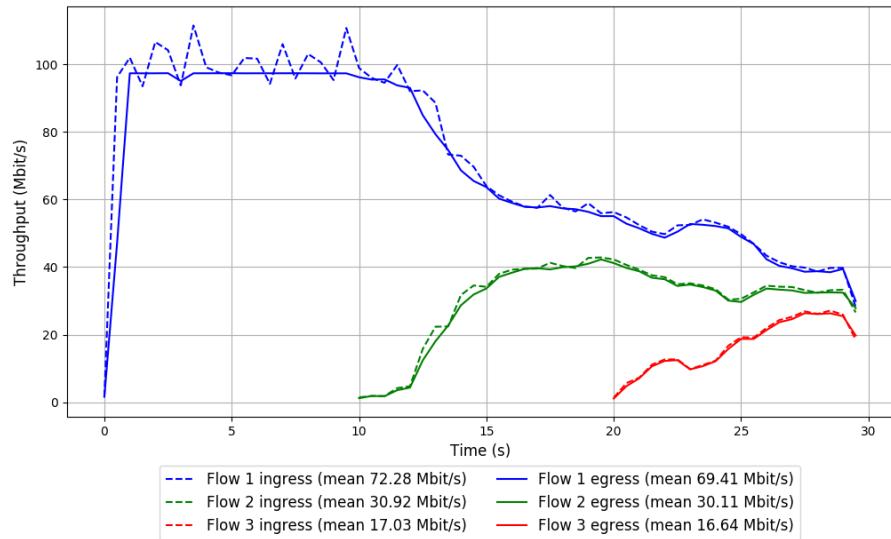


Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-13 17:26:56
End at: 2018-02-13 17:27:26
Local clock offset: -4.113 ms
Remote clock offset: -4.64 ms

# Below is generated by plot.py at 2018-02-13 21:07:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 39.320 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 40.104 ms
Loss rate: 3.87%
-- Flow 2:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 32.103 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 32.611 ms
Loss rate: 2.25%
```

Run 2: Report of Vivace-loss — Data Link

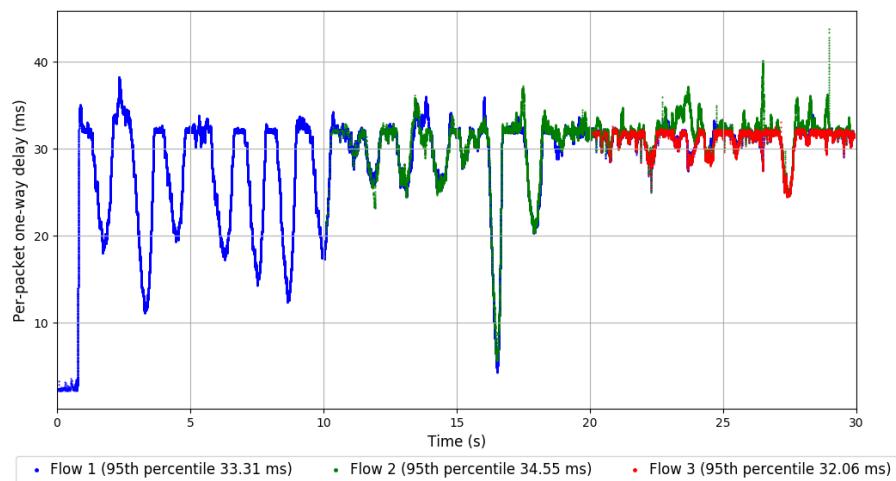
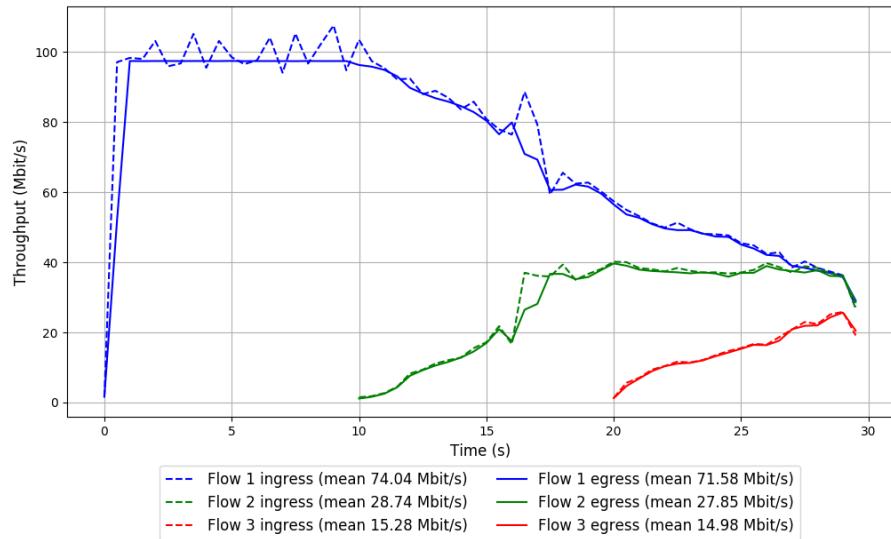


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-13 17:47:21
End at: 2018-02-13 17:47:51
Local clock offset: -3.383 ms
Remote clock offset: -4.381 ms

# Below is generated by plot.py at 2018-02-13 21:07:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 33.580 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 71.58 Mbit/s
95th percentile per-packet one-way delay: 33.310 ms
Loss rate: 3.23%
-- Flow 2:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 34.555 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 32.062 ms
Loss rate: 1.97%
```

Run 3: Report of Vivace-loss — Data Link

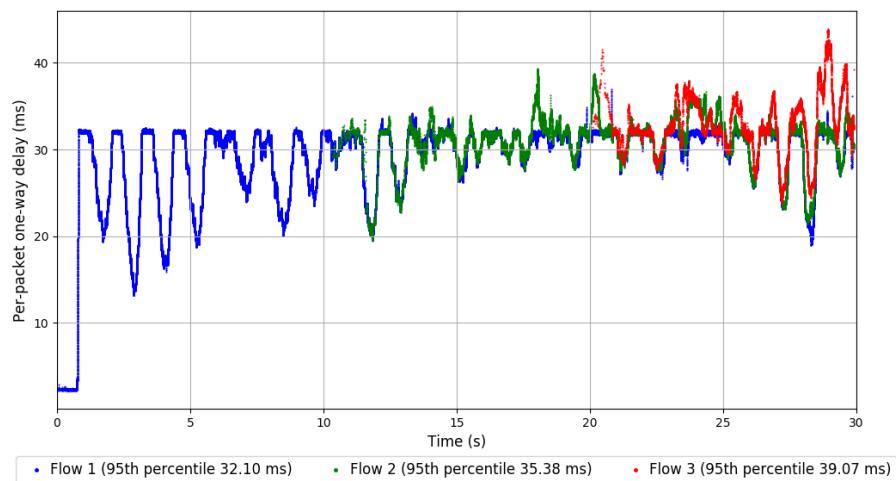
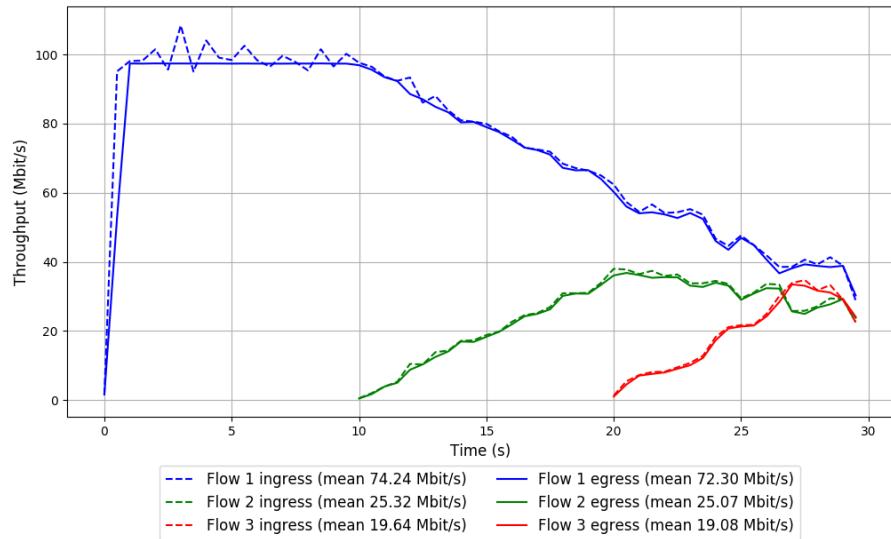


Run 4: Statistics of Vivace-loss

```
Start at: 2018-02-13 18:07:48
End at: 2018-02-13 18:08:18
Local clock offset: -3.958 ms
Remote clock offset: -4.243 ms

# Below is generated by plot.py at 2018-02-13 21:07:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 33.555 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 72.30 Mbit/s
95th percentile per-packet one-way delay: 32.102 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 35.385 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 39.074 ms
Loss rate: 2.80%
```

Run 4: Report of Vivace-loss — Data Link

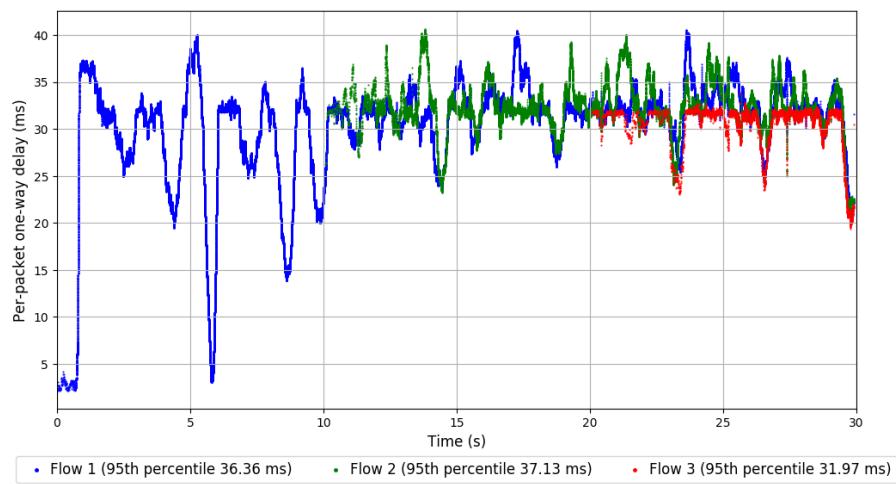
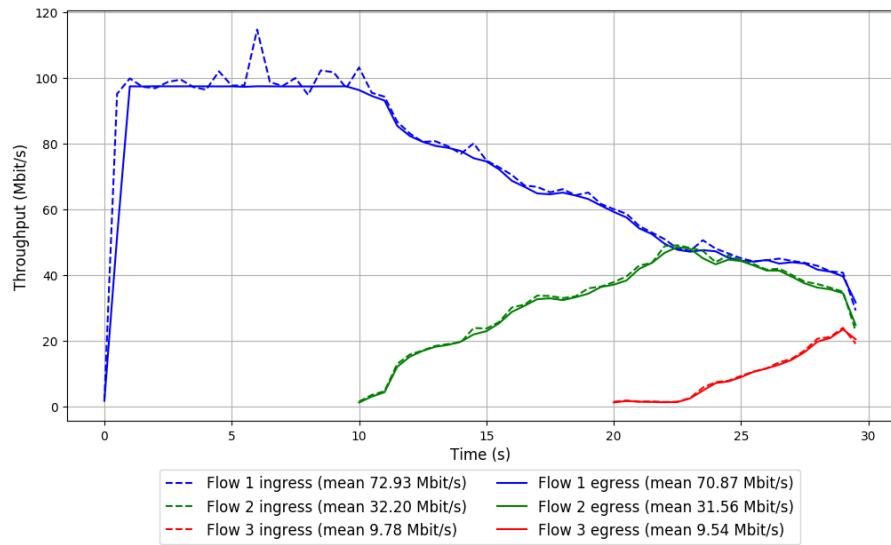


Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-13 18:28:15
End at: 2018-02-13 18:28:45
Local clock offset: -4.198 ms
Remote clock offset: -4.19 ms

# Below is generated by plot.py at 2018-02-13 21:07:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 36.481 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 36.361 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 37.133 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 31.967 ms
Loss rate: 2.47%
```

Run 5: Report of Vivace-loss — Data Link

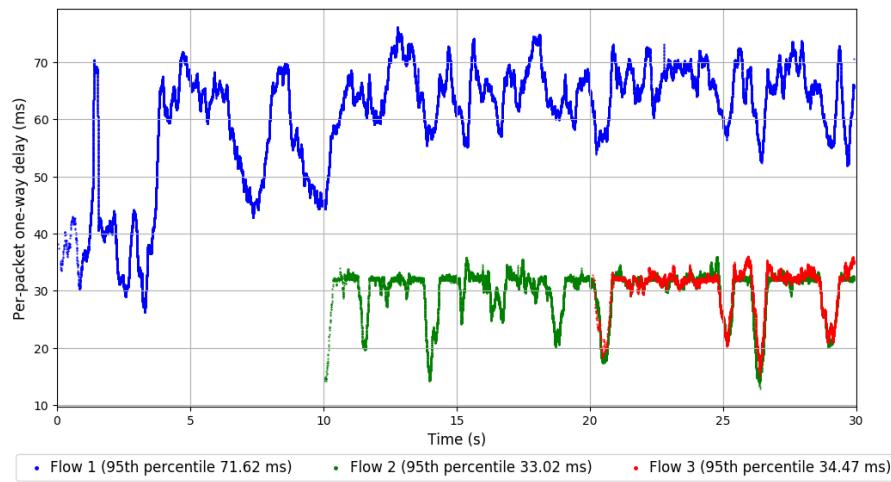
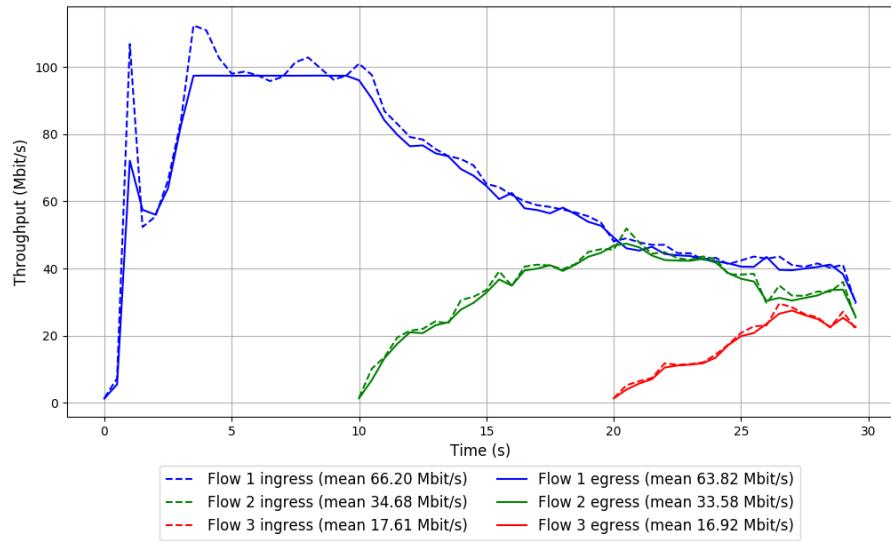


Run 6: Statistics of Vivace-loss

```
Start at: 2018-02-13 18:48:44
End at: 2018-02-13 18:49:14
Local clock offset: -4.801 ms
Remote clock offset: -4.01 ms

# Below is generated by plot.py at 2018-02-13 21:07:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 70.840 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 63.82 Mbit/s
95th percentile per-packet one-way delay: 71.619 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 33.018 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: 34.473 ms
Loss rate: 3.93%
```

Run 6: Report of Vivace-loss — Data Link

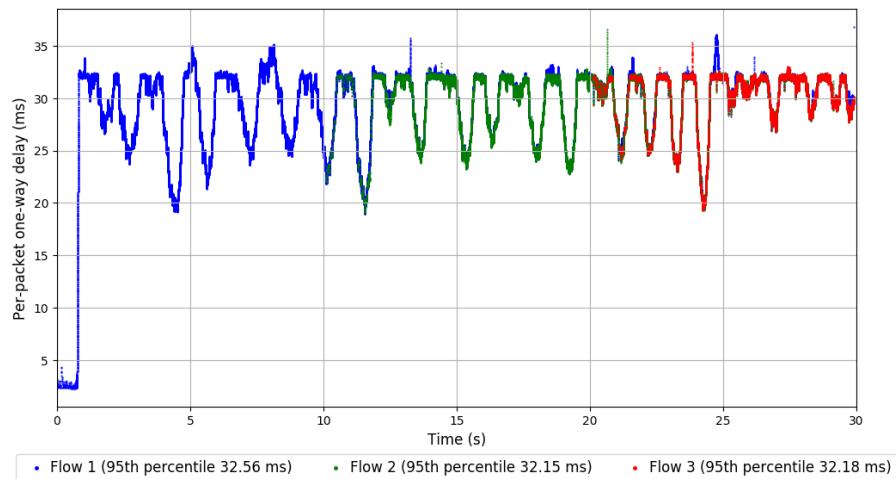
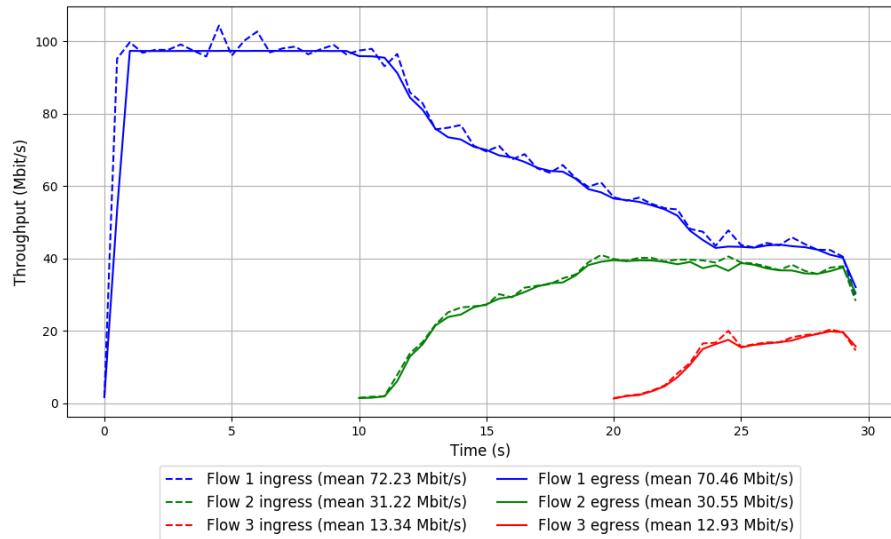


Run 7: Statistics of Vivace-loss

```
Start at: 2018-02-13 19:09:14
End at: 2018-02-13 19:09:44
Local clock offset: -4.52 ms
Remote clock offset: -4.223 ms

# Below is generated by plot.py at 2018-02-13 21:07:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 32.337 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 32.557 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 32.147 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 32.181 ms
Loss rate: 3.14%
```

Run 7: Report of Vivace-loss — Data Link

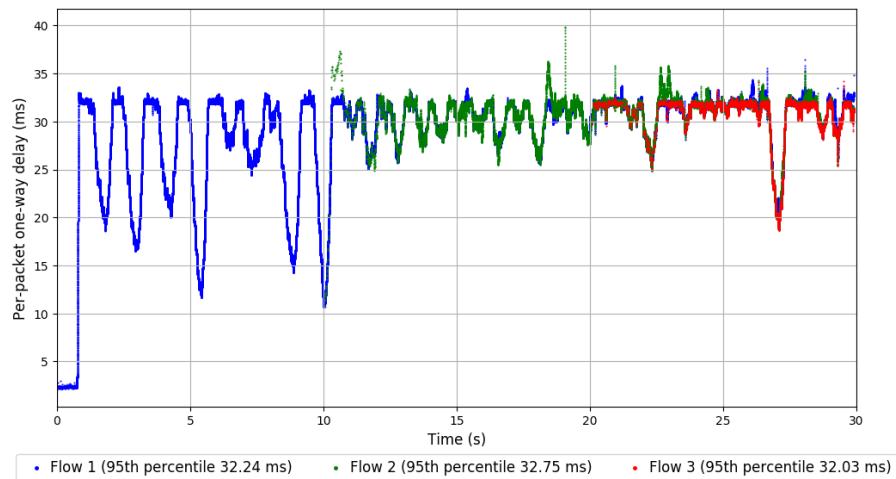
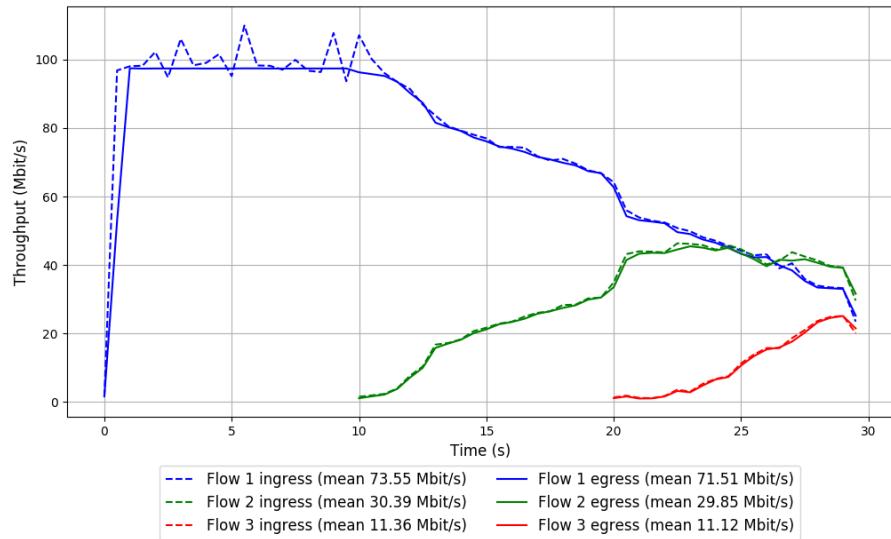


Run 8: Statistics of Vivace-loss

```
Start at: 2018-02-13 19:29:42
End at: 2018-02-13 19:30:12
Local clock offset: -4.236 ms
Remote clock offset: -3.923 ms

# Below is generated by plot.py at 2018-02-13 21:07:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 32.315 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 71.51 Mbit/s
95th percentile per-packet one-way delay: 32.245 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 32.752 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 32.035 ms
Loss rate: 2.08%
```

Run 8: Report of Vivace-loss — Data Link

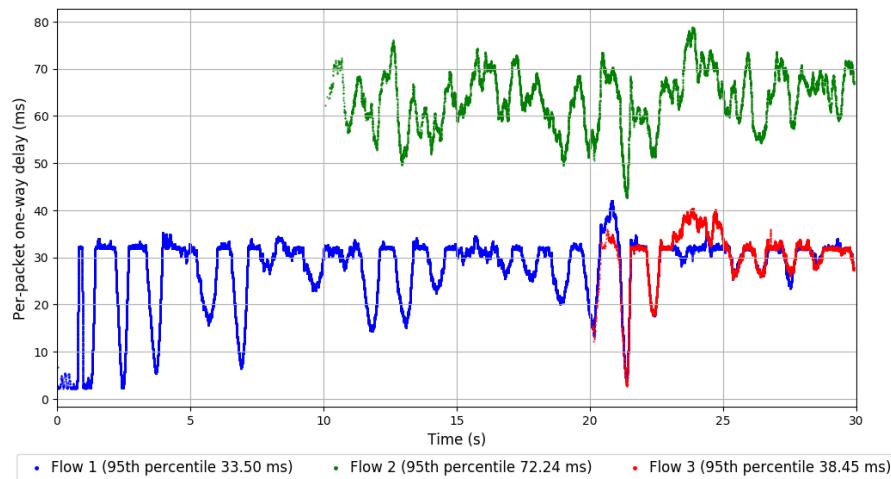
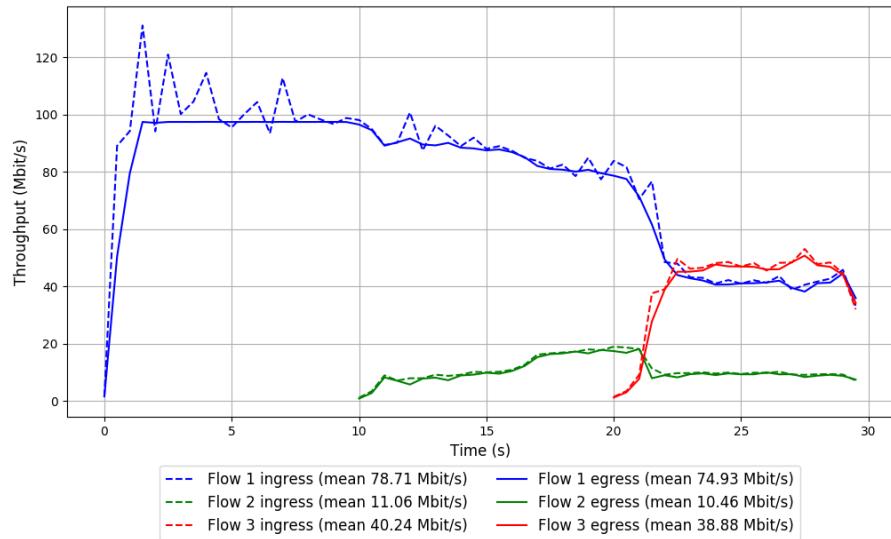


Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-13 19:50:10
End at: 2018-02-13 19:50:40
Local clock offset: -5.301 ms
Remote clock offset: -3.401 ms

# Below is generated by plot.py at 2018-02-13 21:08:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 60.551 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 33.497 ms
Loss rate: 4.72%
-- Flow 2:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 72.243 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 38.445 ms
Loss rate: 3.28%
```

Run 9: Report of Vivace-loss — Data Link

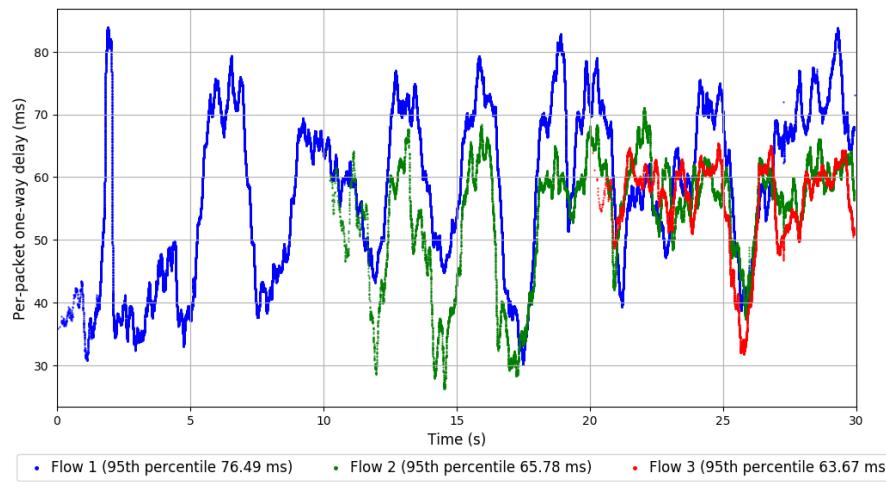
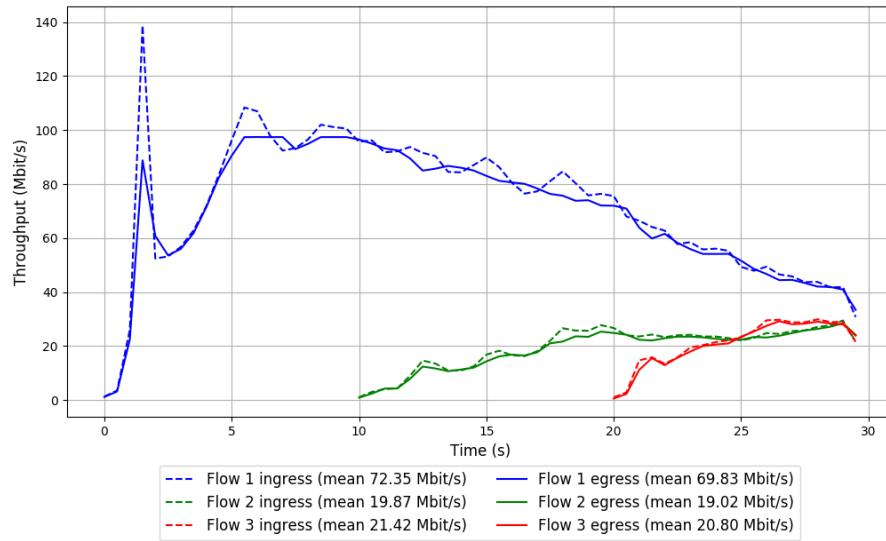


Run 10: Statistics of Vivace-loss

```
Start at: 2018-02-13 20:10:48
End at: 2018-02-13 20:11:18
Local clock offset: 12.897 ms
Remote clock offset: -5.047 ms

# Below is generated by plot.py at 2018-02-13 21:08:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 75.583 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: 76.493 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 65.780 ms
Loss rate: 4.35%
-- Flow 3:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 63.668 ms
Loss rate: 3.10%
```

Run 10: Report of Vivace-loss — Data Link

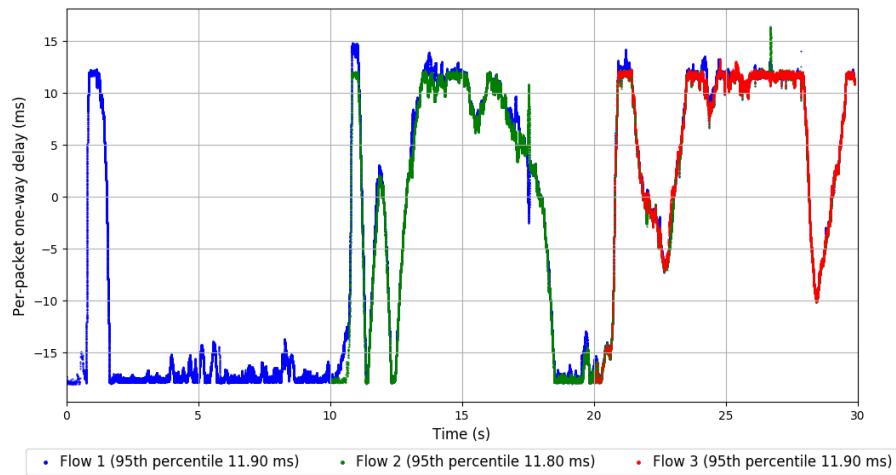
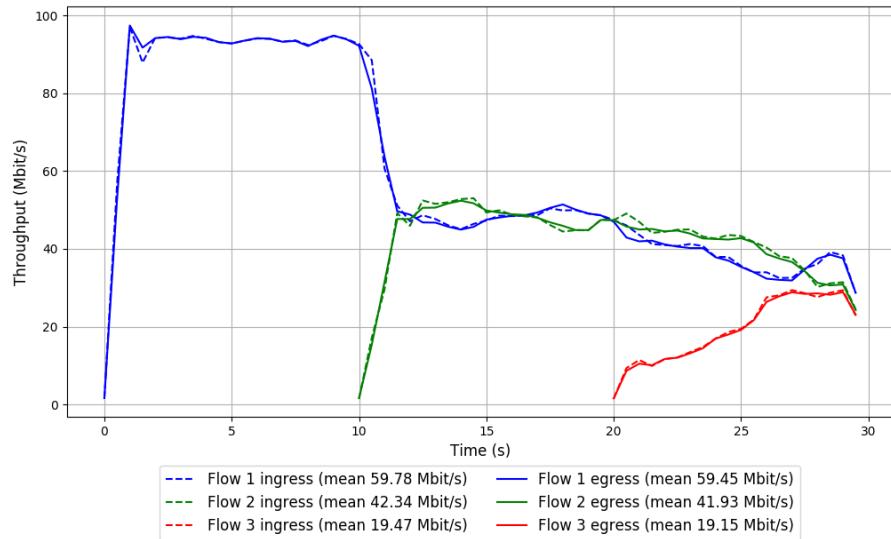


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-13 16:56:14
End at: 2018-02-13 16:56:44
Local clock offset: -5.254 ms
Remote clock offset: -25.511 ms

# Below is generated by plot.py at 2018-02-13 21:08:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 11.856 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 11.903 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 11.797 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 11.902 ms
Loss rate: 1.32%
```

Run 1: Report of Vivace-LTE — Data Link

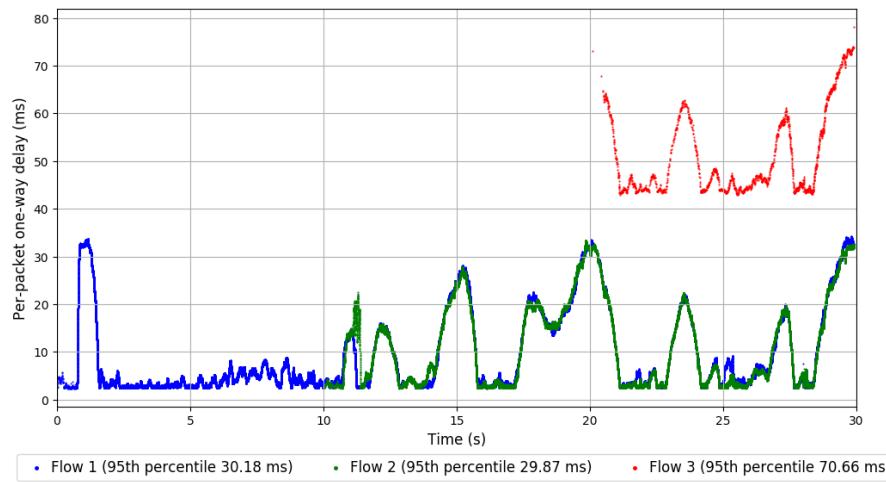
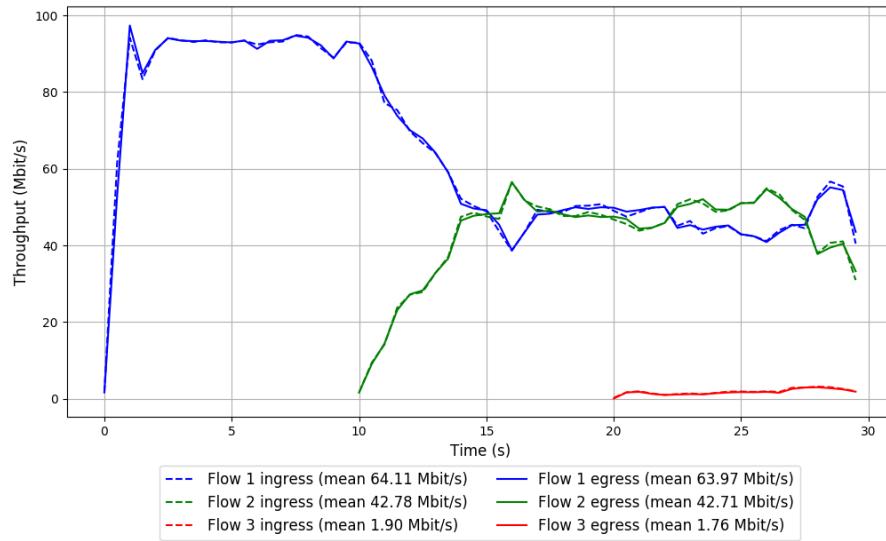


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-13 17:16:44
End at: 2018-02-13 17:17:14
Local clock offset: -4.962 ms
Remote clock offset: -4.78 ms

# Below is generated by plot.py at 2018-02-13 21:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 30.982 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 30.175 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 29.874 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 70.659 ms
Loss rate: 7.51%
```

Run 2: Report of Vivace-LTE — Data Link

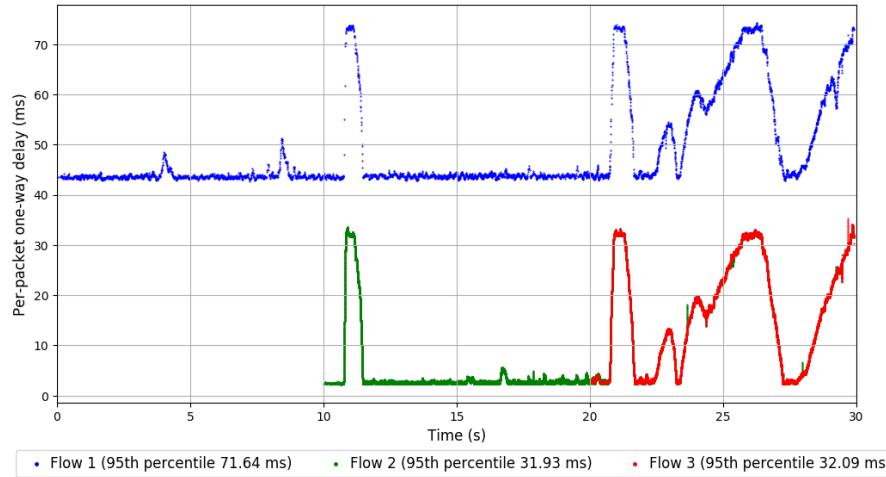
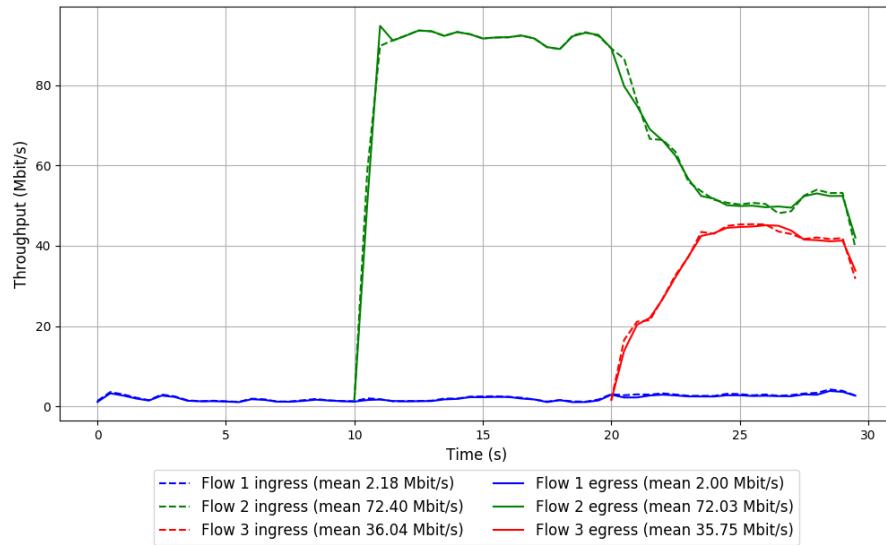


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-13 17:37:13
End at: 2018-02-13 17:37:43
Local clock offset: -3.691 ms
Remote clock offset: -4.445 ms

# Below is generated by plot.py at 2018-02-13 21:08:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 32.382 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 71.640 ms
Loss rate: 8.22%
-- Flow 2:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 32.085 ms
Loss rate: 0.54%
```

Run 3: Report of Vivace-LTE — Data Link

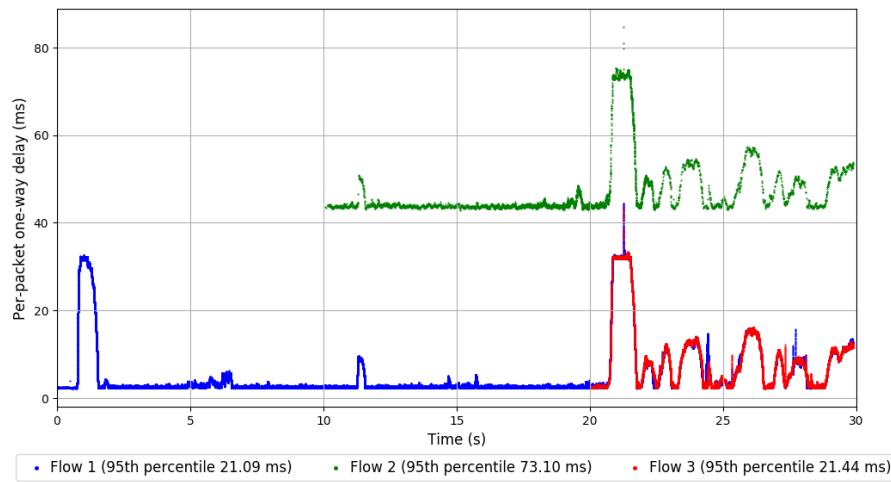
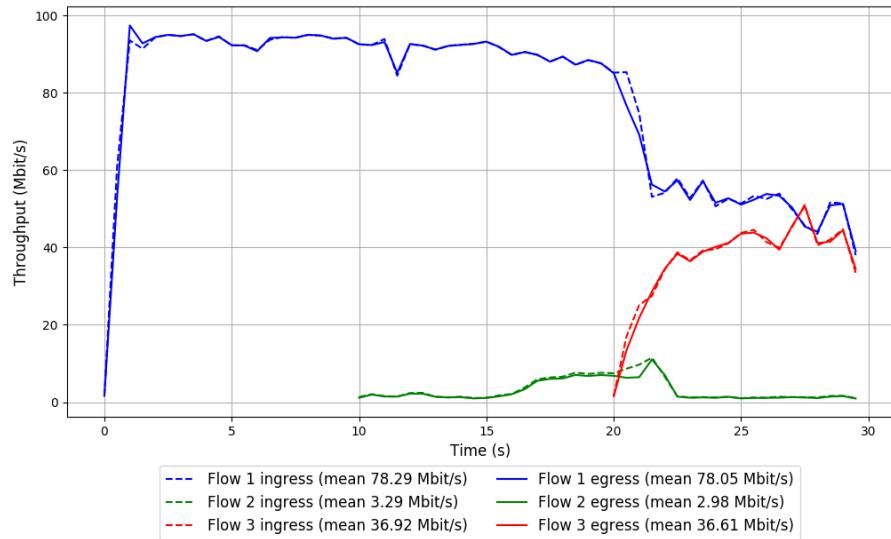


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-13 17:57:40
End at: 2018-02-13 17:58:10
Local clock offset: -3.875 ms
Remote clock offset: -4.299 ms

# Below is generated by plot.py at 2018-02-13 21:09:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 31.936 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 21.086 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 73.103 ms
Loss rate: 9.56%
-- Flow 3:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 21.440 ms
Loss rate: 0.74%
```

Run 4: Report of Vivace-LTE — Data Link

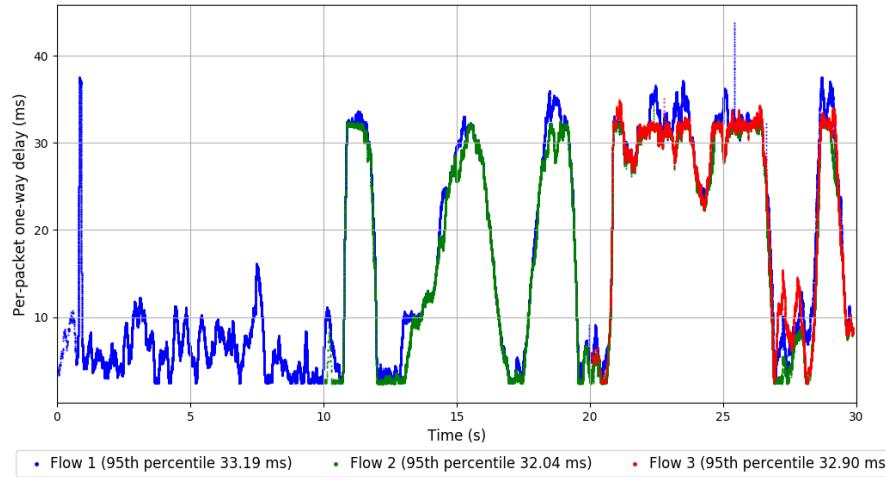
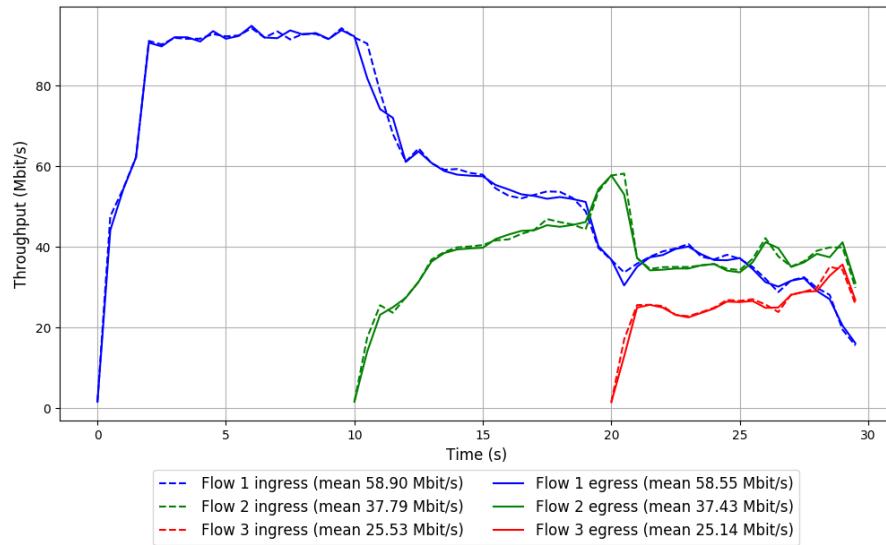


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-13 18:18:05
End at: 2018-02-13 18:18:35
Local clock offset: -4.021 ms
Remote clock offset: -4.179 ms

# Below is generated by plot.py at 2018-02-13 21:09:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 32.647 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 33.187 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 32.044 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 32.898 ms
Loss rate: 1.49%
```

Run 5: Report of Vivace-LTE — Data Link

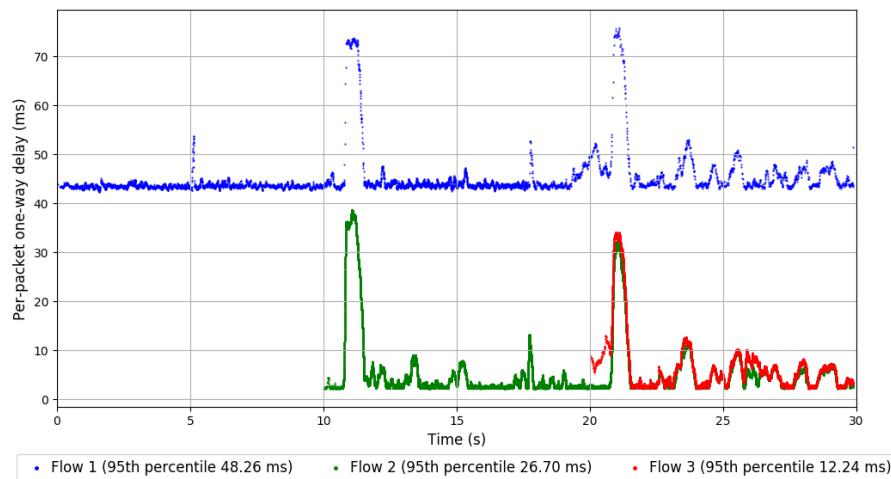
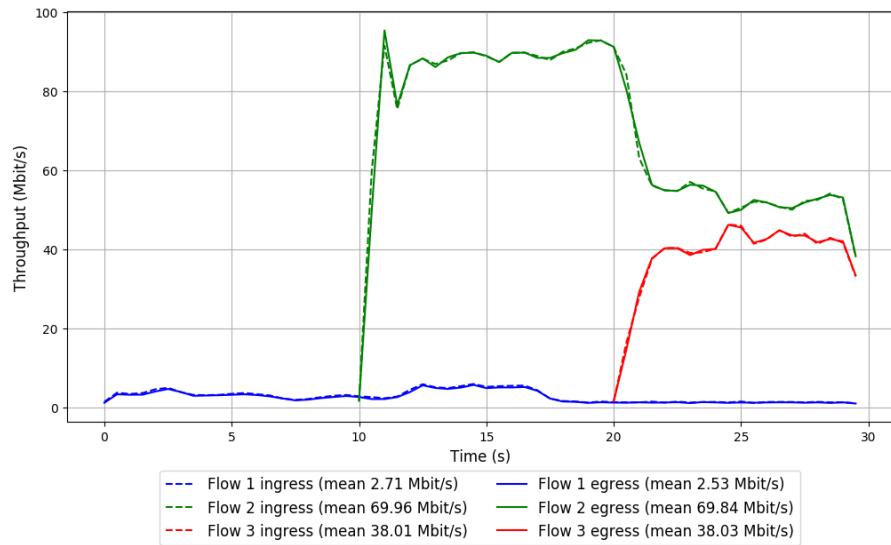


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-13 18:38:34
End at: 2018-02-13 18:39:04
Local clock offset: -4.57 ms
Remote clock offset: -4.124 ms

# Below is generated by plot.py at 2018-02-13 21:09:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 37.555 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 48.261 ms
Loss rate: 6.92%
-- Flow 2:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 26.699 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 12.240 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-LTE — Data Link

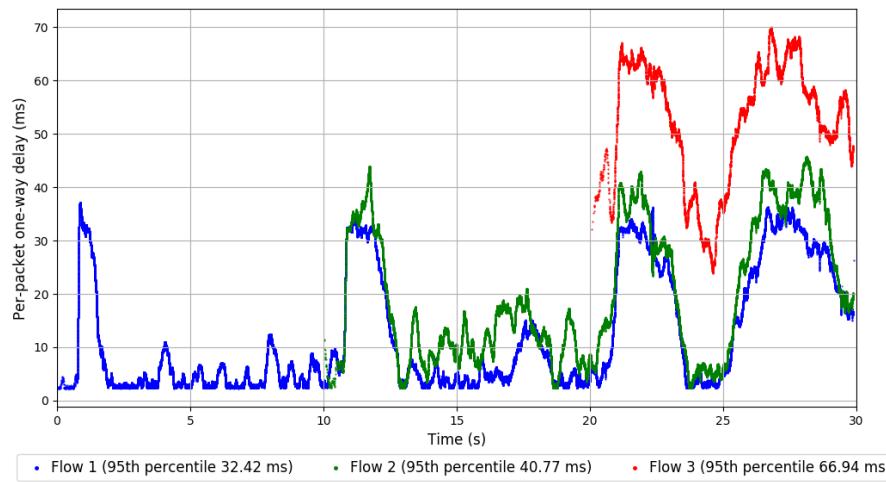
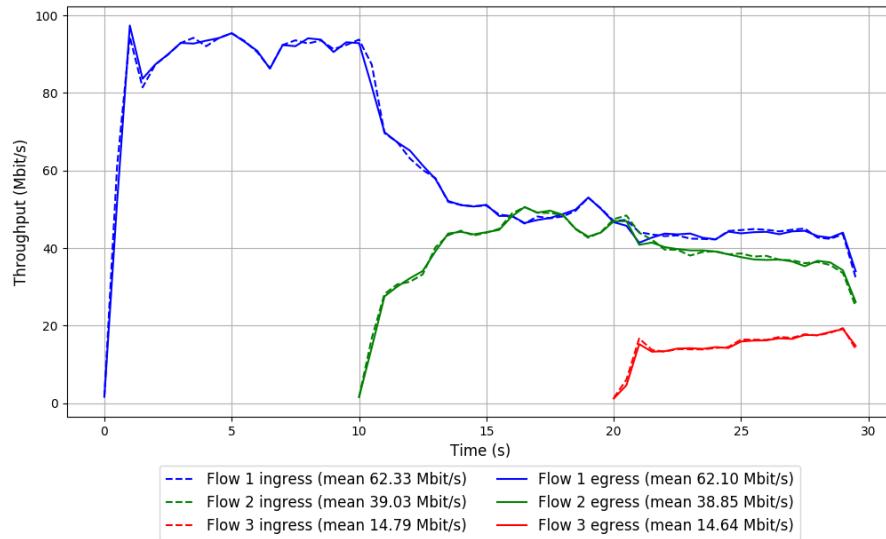


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-13 18:59:01
End at: 2018-02-13 18:59:31
Local clock offset: -4.777 ms
Remote clock offset: -4.227 ms

# Below is generated by plot.py at 2018-02-13 21:09:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 42.642 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 62.10 Mbit/s
95th percentile per-packet one-way delay: 32.419 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 66.940 ms
Loss rate: 1.28%
```

Run 7: Report of Vivace-LTE — Data Link

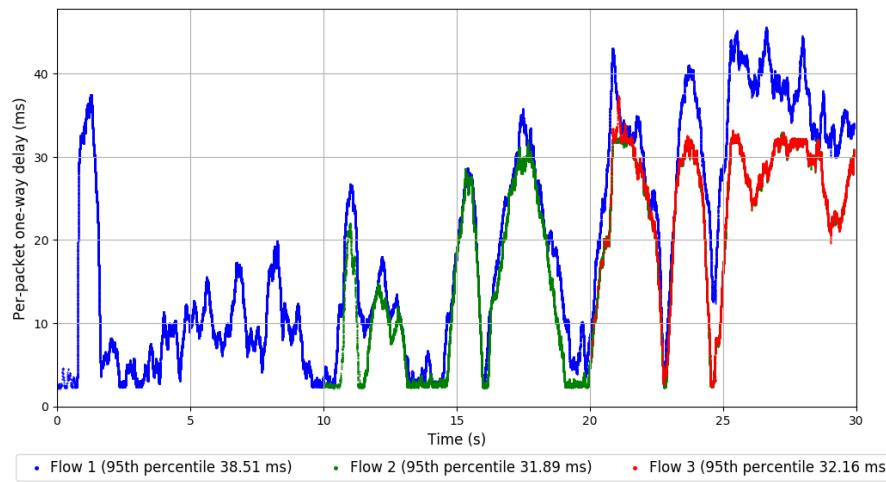
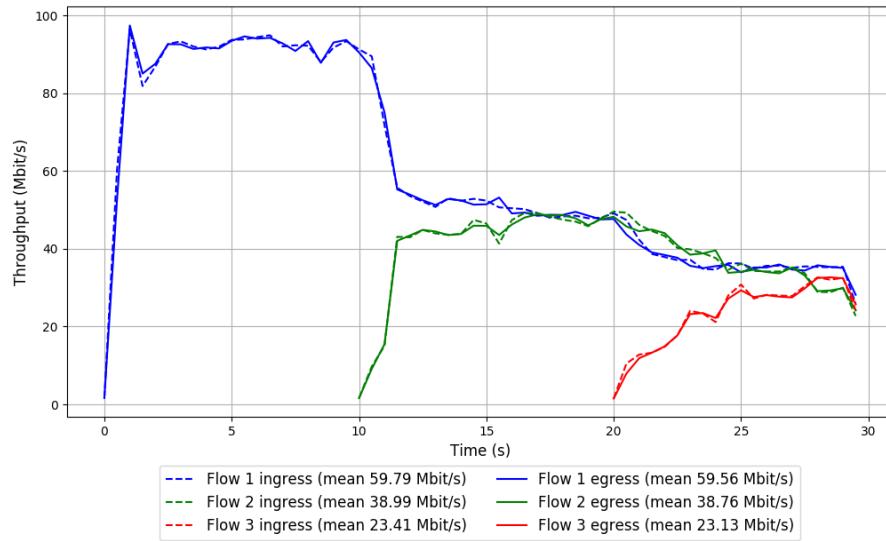


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-13 19:19:31
End at: 2018-02-13 19:20:01
Local clock offset: -4.309 ms
Remote clock offset: -4.261 ms

# Below is generated by plot.py at 2018-02-13 21:09:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 36.475 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 38.511 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 32.156 ms
Loss rate: 0.97%
```

Run 8: Report of Vivace-LTE — Data Link

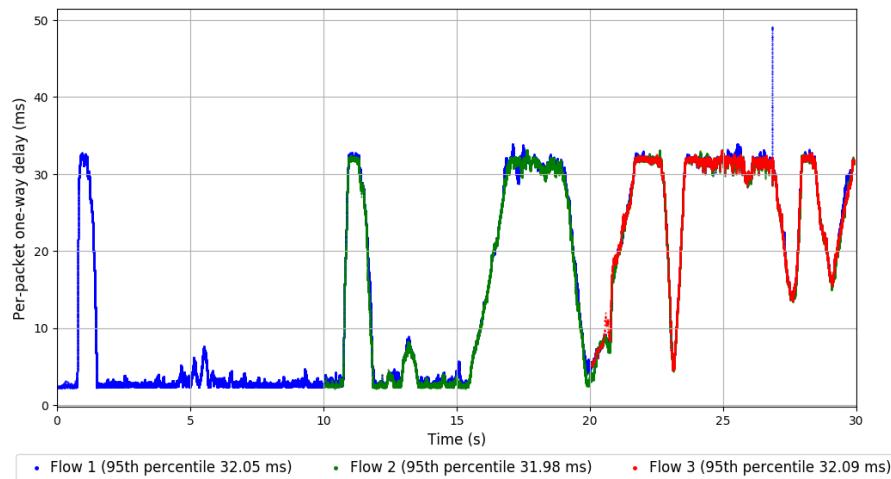
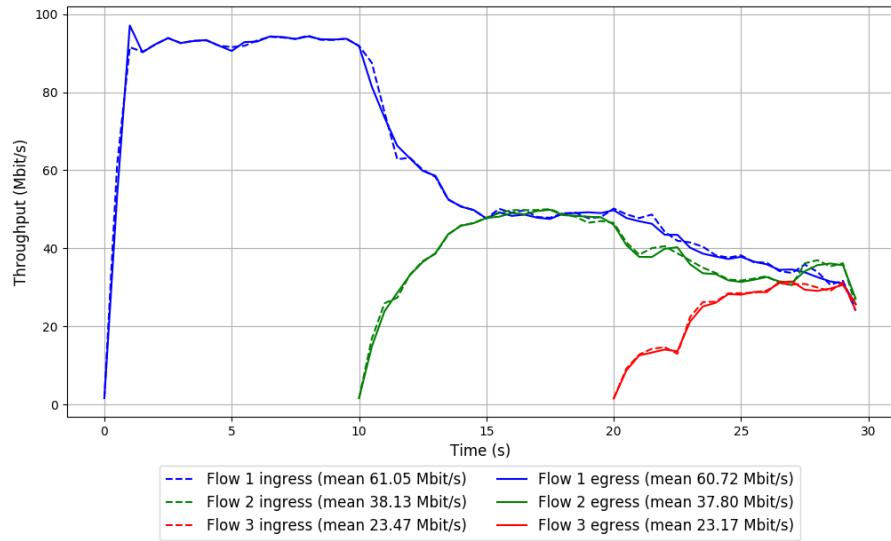


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-13 19:40:00
End at: 2018-02-13 19:40:30
Local clock offset: -4.957 ms
Remote clock offset: -3.6 ms

# Below is generated by plot.py at 2018-02-13 21:09:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 32.047 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 31.983 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 32.088 ms
Loss rate: 1.02%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-13 20:00:26
End at: 2018-02-13 20:00:56
Local clock offset: -5.515 ms
Remote clock offset: -3.694 ms

# Below is generated by plot.py at 2018-02-13 21:09:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 37.607 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 36.647 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 40.219 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 27.11 Mbit/s
95th percentile per-packet one-way delay: 40.317 ms
Loss rate: 2.03%
```

Run 10: Report of Vivace-LTE — Data Link

