

## Pantheon Report

Generated at 2017-08-13 07:38:43 (UTC).

Data path: Colombia ppp0 (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 15 congestion control schemes 3 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).

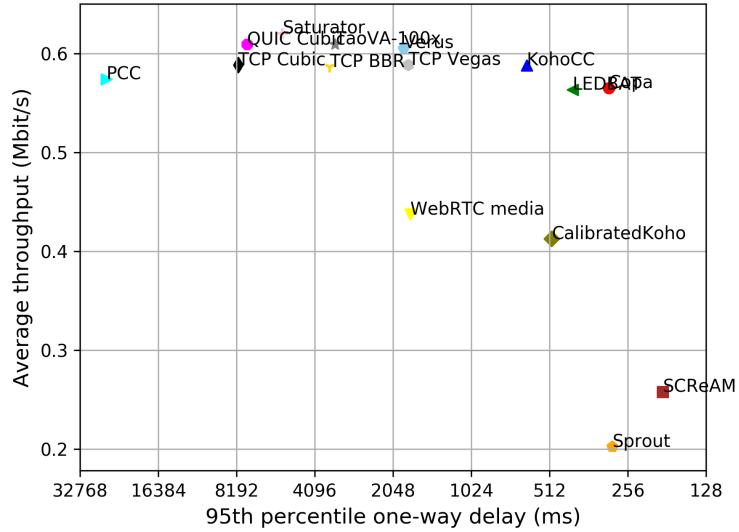
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

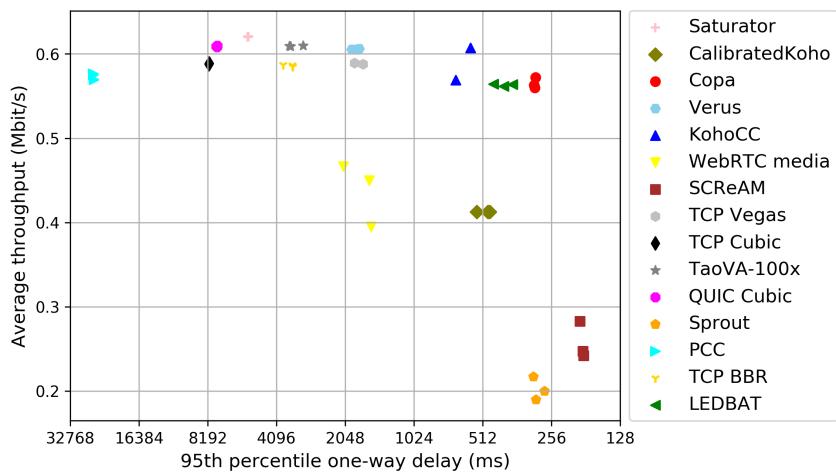
**Git summary:**

```
branch: master @ e43be7582298d552838afcfc6382342bf187fbbd6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Colombia ppp0 to AWS Brazil 2 Ethernet, 3 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Colombia ppp0 to AWS Brazil 2 Ethernet, 3 runs of 30s each per scheme  
3 flows with 10s interval between flows



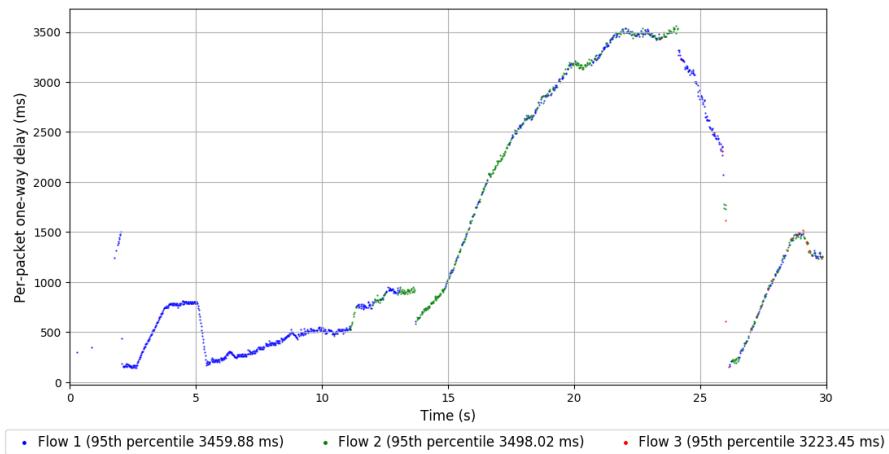
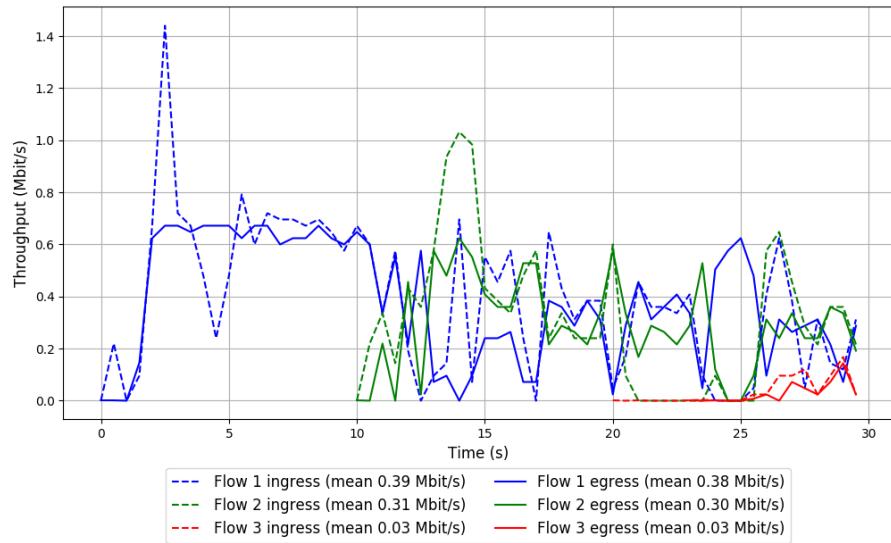
| scheme         | # runs | mean avg tput (Mbit/s) |        |        | mean 95th-%ile delay (ms) |         |         | mean loss rate (%) |        |        |
|----------------|--------|------------------------|--------|--------|---------------------------|---------|---------|--------------------|--------|--------|
|                |        | flow 1                 | flow 2 | flow 3 | flow 1                    | flow 2  | flow 3  | flow 1             | flow 2 | flow 3 |
| TCP BBR        | 3      | 0.38                   | 0.31   | 0.03   | 3581.85                   | 3624.61 | 3443.89 | 2.51               | 5.97   | 44.45  |
| CalibratedKoho | 3      | 0.20                   | 0.20   | 0.22   | 1156.66                   | 394.15  | 473.01  | 1.37               | 2.01   | 4.22   |
| Copa           | 3      | 0.33                   | 0.23   | 0.21   | 283.86                    | 302.69  | 353.63  | 0.49               | 1.23   | 2.32   |
| TCP Cubic      | 3      | 0.58                   | 0.03   | 0.00   | 8100.09                   | 6513.50 | 8451.30 | 30.82              | 53.61  | 74.06  |
| KohoCC         | 2      | 0.32                   | 0.27   | 0.30   | 743.60                    | 582.52  | 618.24  | 3.16               | 2.33   | 4.26   |
| LEDBAT         | 3      | 0.25                   | 0.37   | 0.21   | 352.21                    | 428.13  | 438.68  | 0.11               | 1.01   | 8.95   |
| PCC            | 3      | 0.58                   | 0.00   | N/A    | 25979.77                  | N/A     | N/A     | 98.58              | N/A    | N/A    |
| QUIC Cubic     | 3      | 0.58                   | 0.06   | 0.00   | 7455.52                   | 7665.89 | 7620.48 | 28.81              | 34.12  | 33.33  |
| Saturator      | 3      | 0.54                   | 0.14   | 0.60   | 5047.32                   | 5847.20 | 4944.45 | 13.87              | 52.63  | 72.40  |
| SCReAM         | 3      | 0.08                   | 0.17   | 0.17   | 168.78                    | 188.59  | 203.13  | 0.70               | 1.09   | 1.87   |
| Sprout         | 3      | 0.10                   | 0.10   | 0.11   | 642.01                    | 228.64  | 265.28  | 1.36               | 1.50   | 4.28   |
| TaoVA-100x     | 3      | 0.37                   | 0.26   | 0.22   | 2684.29                   | 3324.34 | 4040.54 | 4.13               | 8.54   | 22.90  |
| TCP Vegas      | 2      | 0.41                   | 0.21   | 0.17   | 1731.94                   | 1862.81 | 1847.02 | 3.21               | 6.07   | 21.58  |
| Verus          | 3      | 0.59                   | 0.01   | 0.01   | 1865.14                   | 1874.25 | 1901.21 | 5.63               | 5.00   | 10.00  |
| WebRTC media   | 3      | 0.24                   | 0.15   | 0.05   | 1738.38                   | 1732.47 | 1838.33 | 2.24               | 1.95   | 1.41   |

Run 1: Statistics of TCP BBR

```
Start at: 2017-08-13 05:47:02
End at: 2017-08-13 05:47:32
Local clock offset: 0.487 ms
Remote clock offset: 2.771 ms

# Below is generated by plot.py at 2017-08-13 07:38:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 3479.775 ms
Loss rate: 4.64%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 3459.880 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 3498.022 ms
Loss rate: 6.95%
-- Flow 3:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 3223.451 ms
Loss rate: 38.66%
```

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

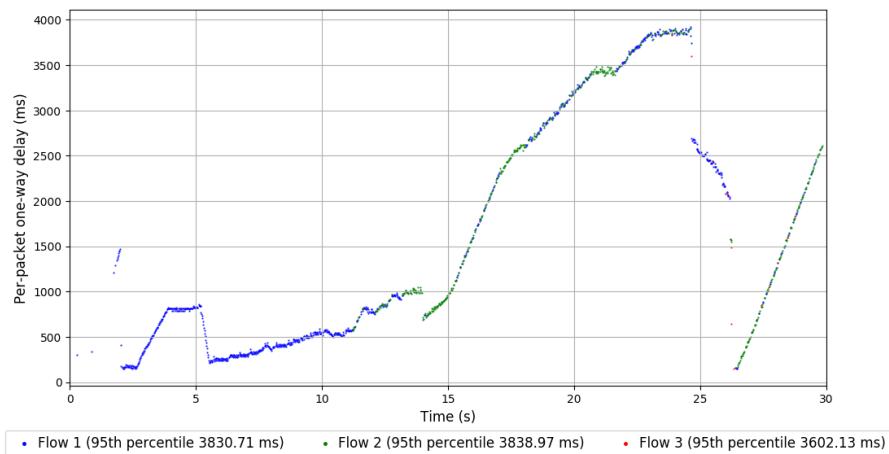
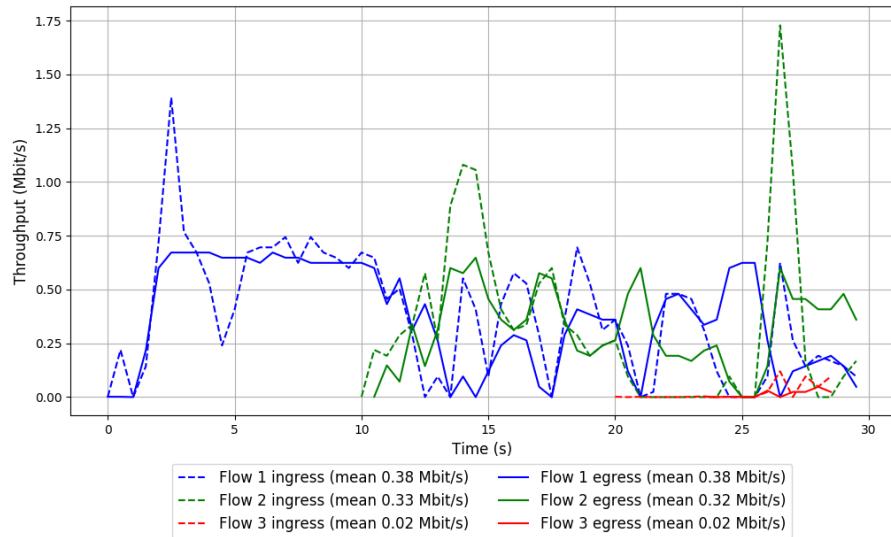


Run 2: Statistics of TCP BBR

```
Start at: 2017-08-13 06:05:46
End at: 2017-08-13 06:06:16
Local clock offset: 0.422 ms
Remote clock offset: -2.039 ms

# Below is generated by plot.py at 2017-08-13 07:38:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 3830.810 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 3830.710 ms
Loss rate: 3.57%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 3838.969 ms
Loss rate: 5.45%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 3602.134 ms
Loss rate: 60.79%
```

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

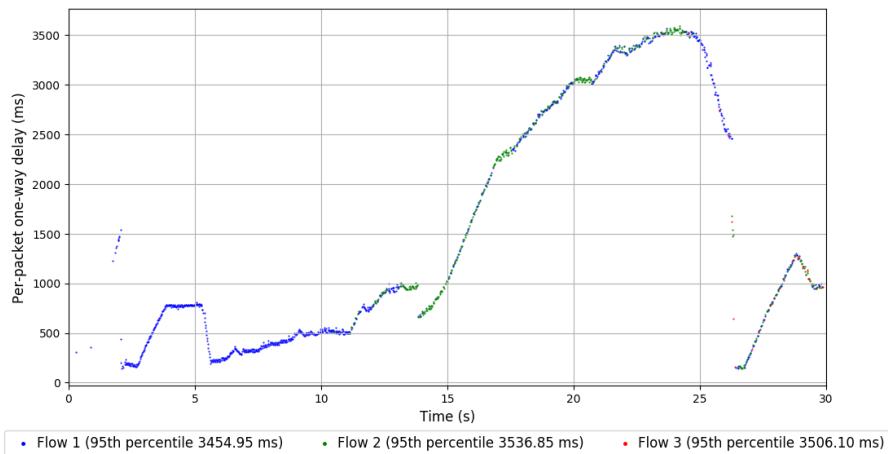
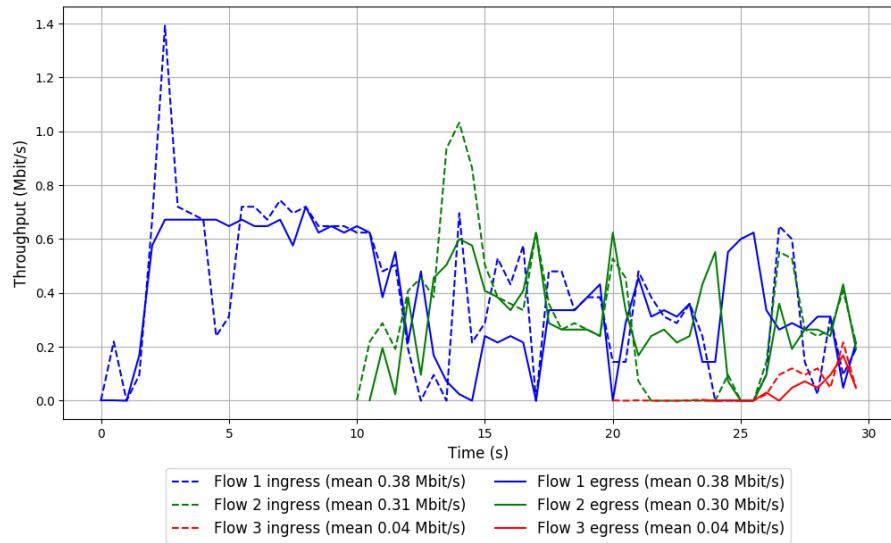


Run 3: Statistics of TCP BBR

```
Start at: 2017-08-13 06:24:30
End at: 2017-08-13 06:25:00
Local clock offset: 0.463 ms
Remote clock offset: 2.043 ms

# Below is generated by plot.py at 2017-08-13 07:38:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 3500.215 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 3454.954 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 3536.849 ms
Loss rate: 5.52%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 3506.096 ms
Loss rate: 33.90%
```

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

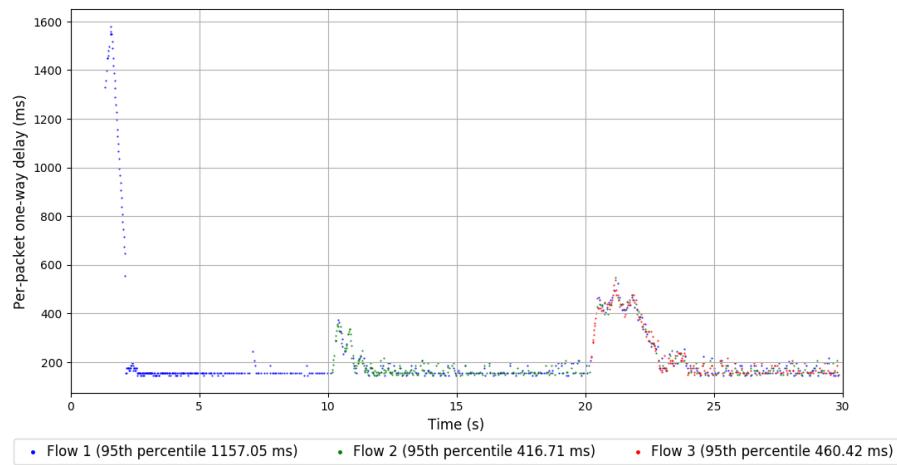
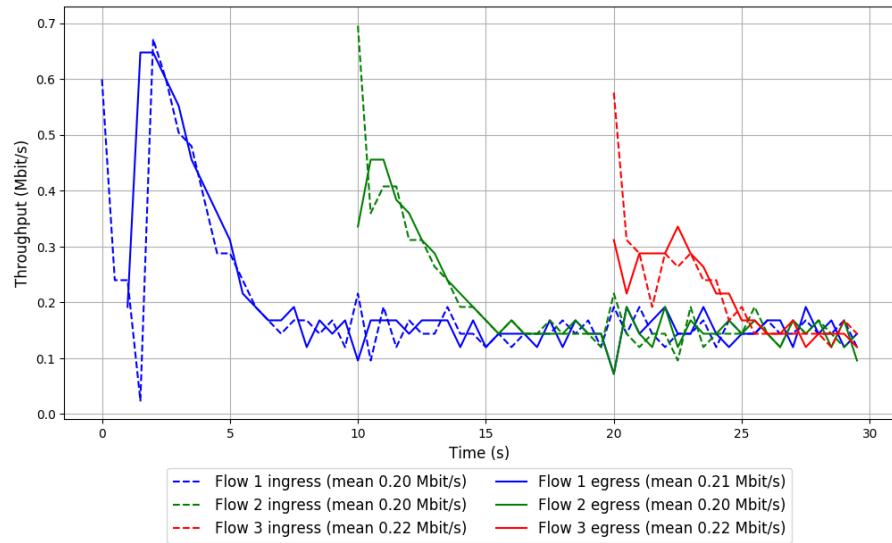


```
Run 1: Statistics of CalibratedKoho

Start at: 2017-08-13 05:50:46
End at: 2017-08-13 05:51:16
Local clock offset: 0.495 ms
Remote clock offset: 2.79 ms

# Below is generated by plot.py at 2017-08-13 07:38:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 477.312 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 1157.048 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 416.709 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 460.417 ms
Loss rate: 3.87%
```

Run 1: Report of CalibratedKoho — Data Link

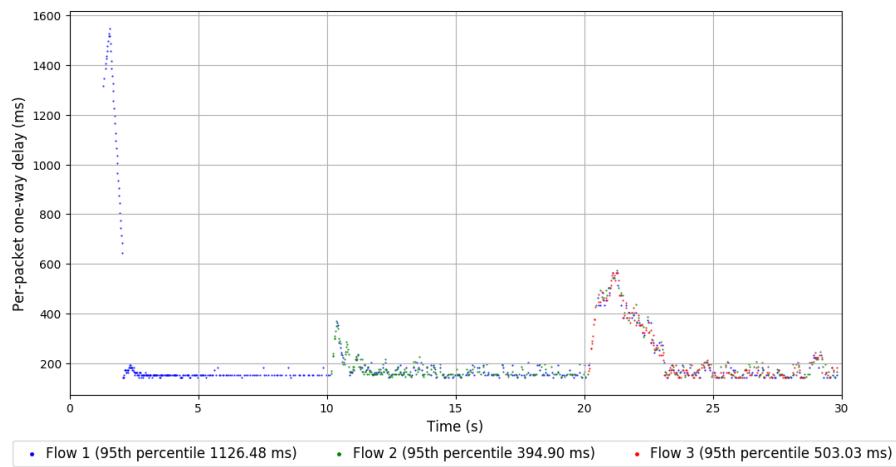
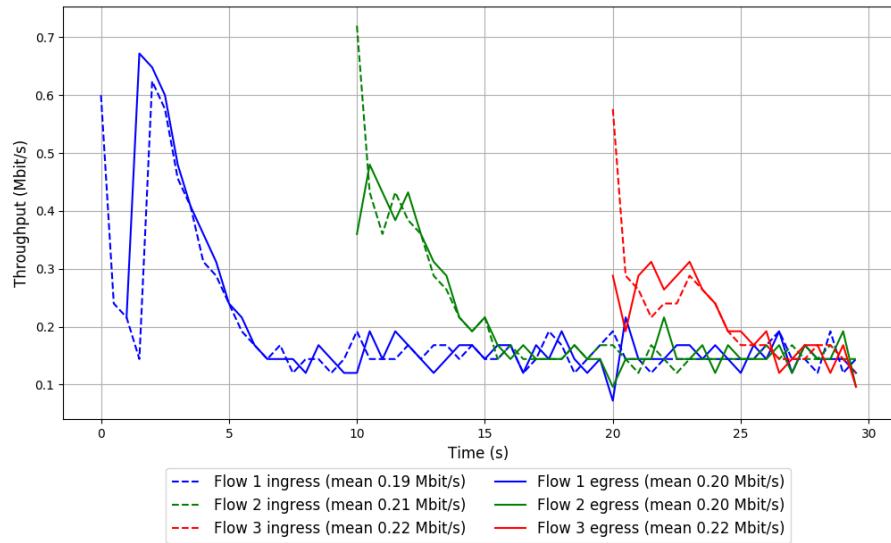


Run 2: Statistics of CalibratedKoho

```
Start at: 2017-08-13 06:09:30
End at: 2017-08-13 06:10:00
Local clock offset: 0.449 ms
Remote clock offset: -1.963 ms

# Below is generated by plot.py at 2017-08-13 07:38:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 544.321 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 1126.482 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 394.904 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 503.034 ms
Loss rate: 3.87%
```

Run 2: Report of CalibratedKoho — Data Link

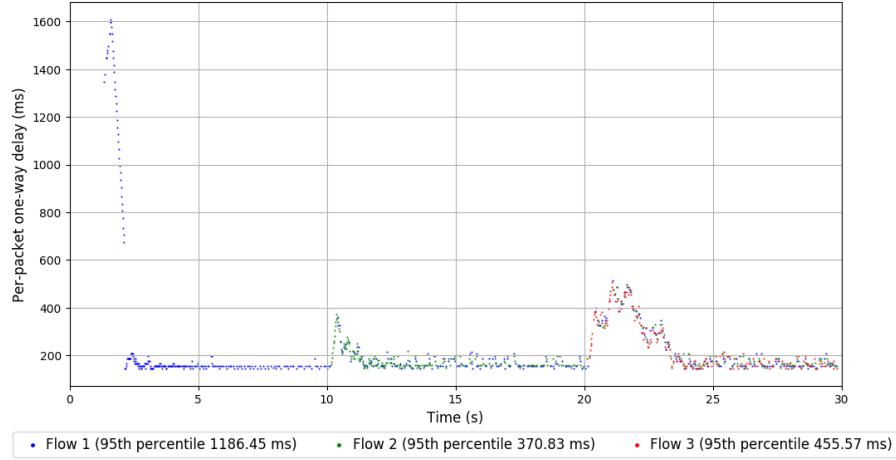
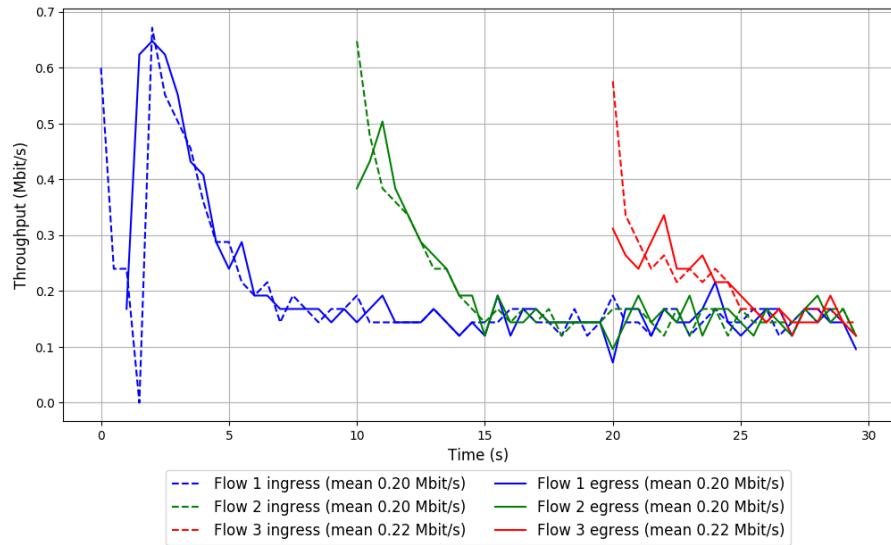


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: 2017-08-13 06:28:14
End at: 2017-08-13 06:28:44
Local clock offset: 0.363 ms
Remote clock offset: -1.84 ms

# Below is generated by plot.py at 2017-08-13 07:38:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 485.725 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 1186.446 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 370.834 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 455.575 ms
Loss rate: 4.92%
```

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

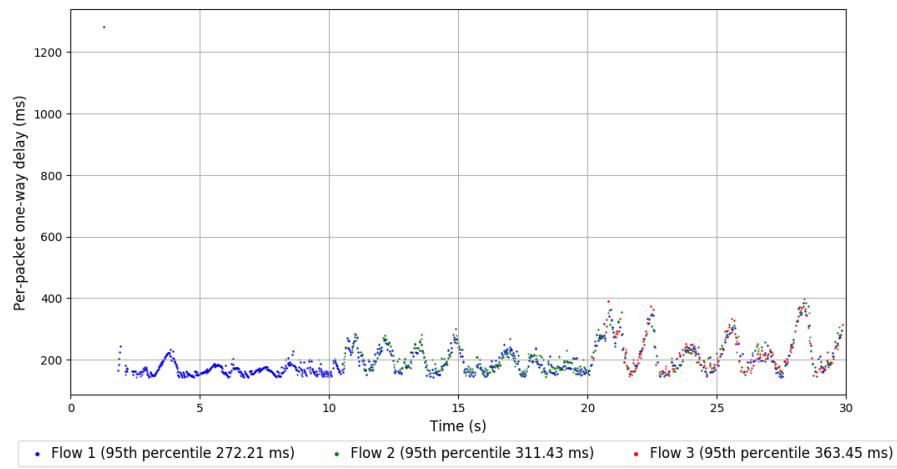
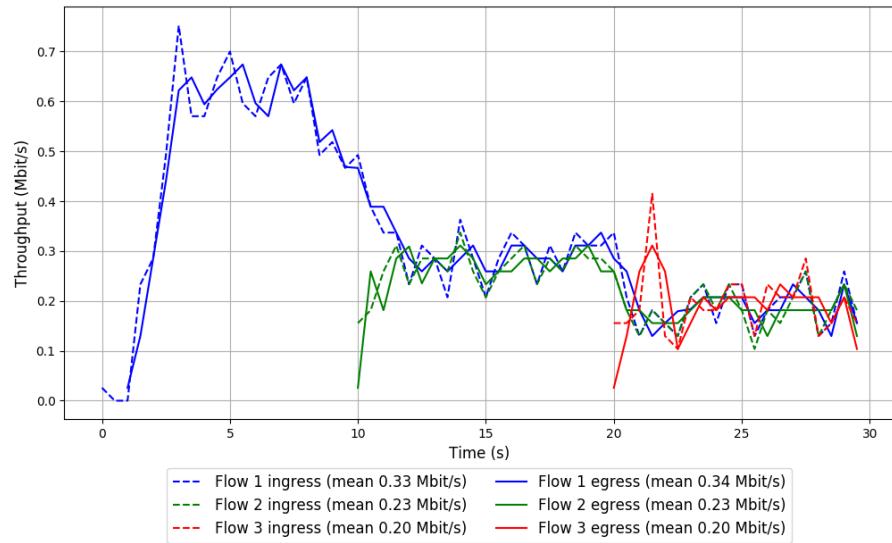


Run 1: Statistics of Copa

```
Start at: 2017-08-13 05:45:47
End at: 2017-08-13 05:46:17
Local clock offset: 0.494 ms
Remote clock offset: -2.892 ms

# Below is generated by plot.py at 2017-08-13 07:38:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 302.788 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 272.206 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 311.428 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 363.454 ms
Loss rate: 3.33%
```

## Run 1: Report of Copa — Data Link

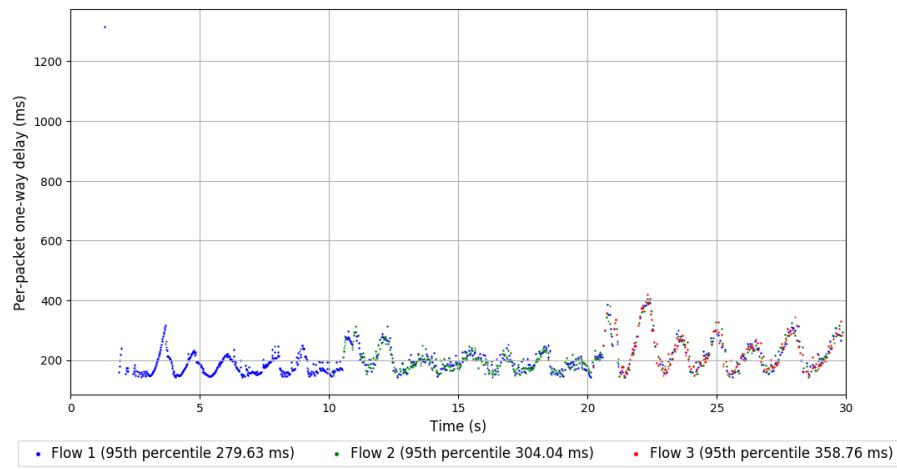
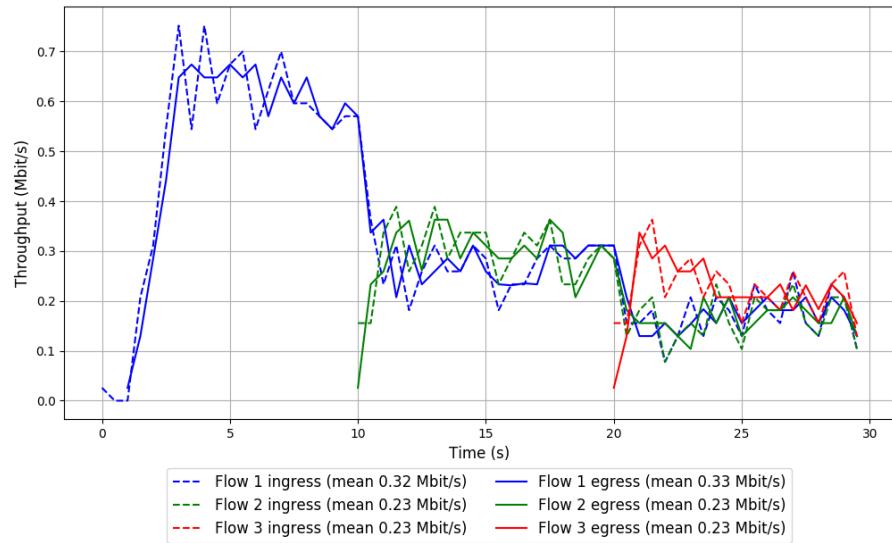


Run 2: Statistics of Copa

```
Start at: 2017-08-13 06:04:31
End at: 2017-08-13 06:05:01
Local clock offset: 0.352 ms
Remote clock offset: -2.856 ms

# Below is generated by plot.py at 2017-08-13 07:38:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 301.358 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 279.626 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 304.036 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 358.761 ms
Loss rate: 2.33%
```

## Run 2: Report of Copa — Data Link

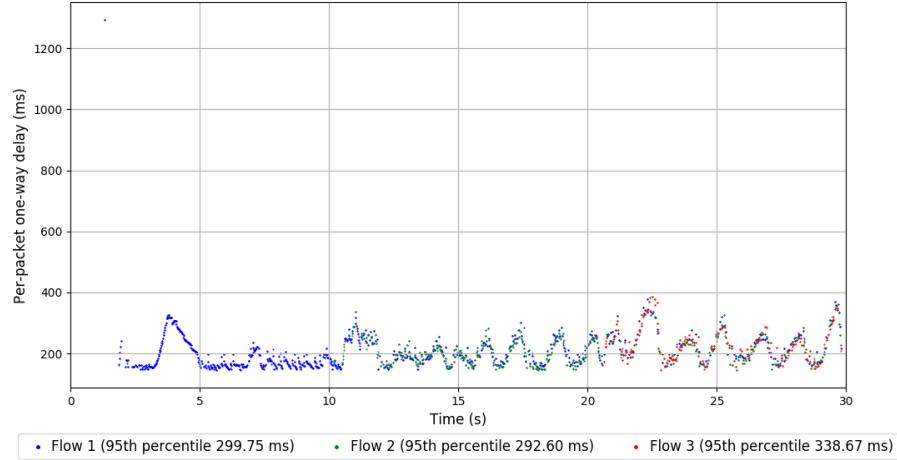
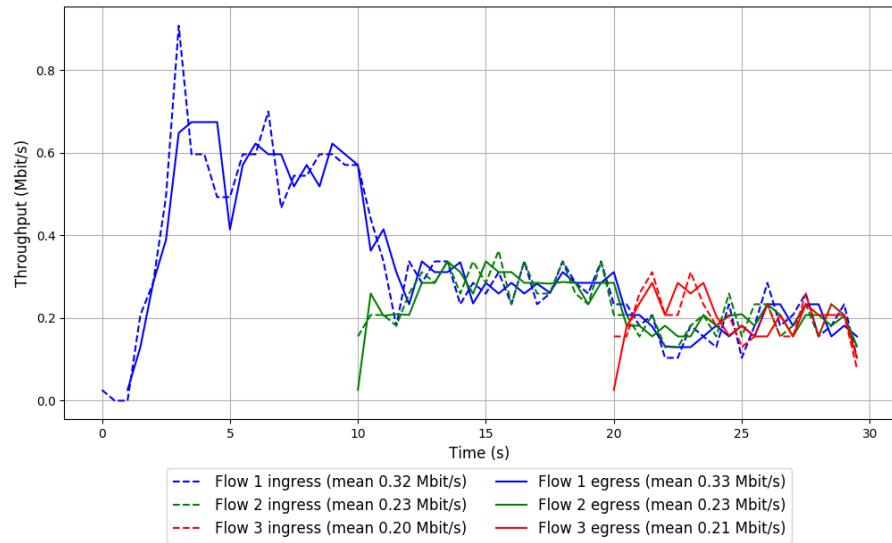


Run 3: Statistics of Copa

```
Start at: 2017-08-13 06:23:15
End at: 2017-08-13 06:23:45
Local clock offset: 0.419 ms
Remote clock offset: -2.717 ms

# Below is generated by plot.py at 2017-08-13 07:38:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 305.496 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 299.755 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 292.600 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 338.670 ms
Loss rate: 1.30%
```

### Run 3: Report of Copa — Data Link

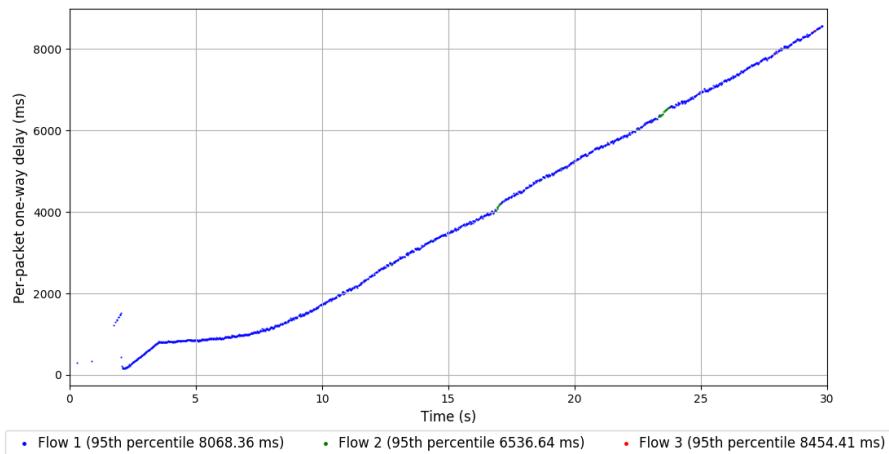
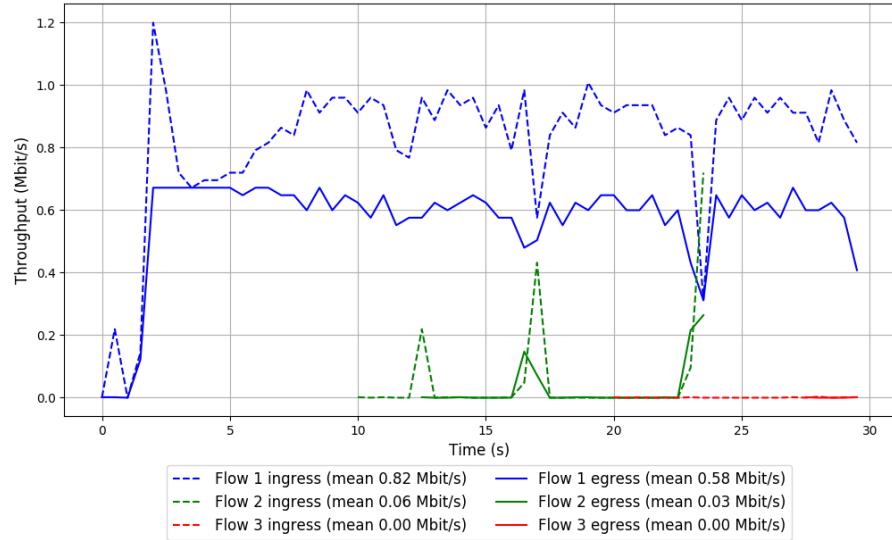


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-08-13 05:54:30
End at: 2017-08-13 05:55:00
Local clock offset: 0.495 ms
Remote clock offset: 1.936 ms

# Below is generated by plot.py at 2017-08-13 07:38:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 8068.322 ms
Loss rate: 31.49%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 8068.357 ms
Loss rate: 30.79%
-- Flow 2:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 6536.637 ms
Loss rate: 53.59%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 8454.407 ms
Loss rate: 75.13%
```

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

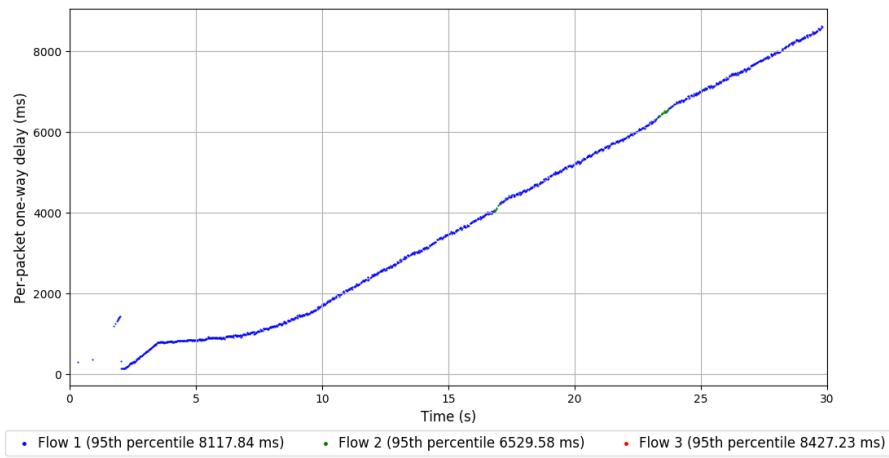
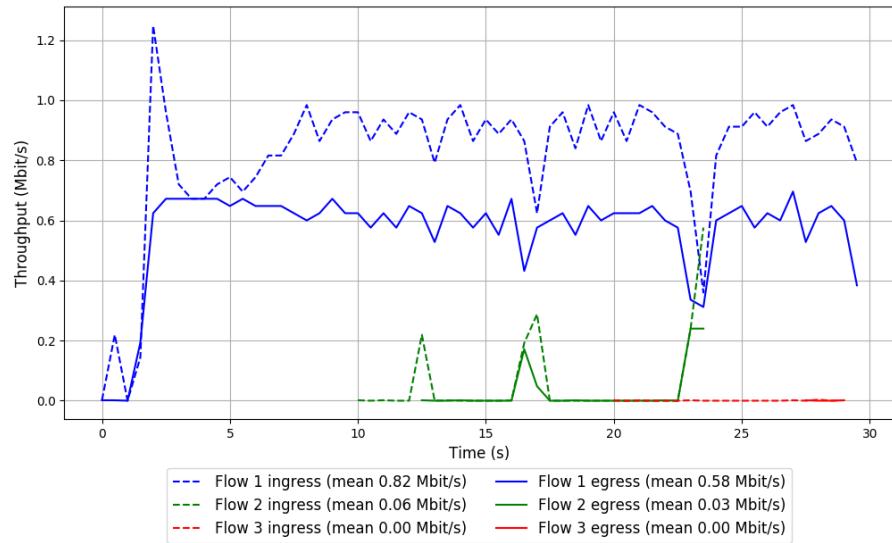


Run 2: Statistics of TCP Cubic

```
Start at: 2017-08-13 06:13:14
End at: 2017-08-13 06:13:44
Local clock offset: 0.449 ms
Remote clock offset: 2.878 ms

# Below is generated by plot.py at 2017-08-13 07:38:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 8107.677 ms
Loss rate: 31.57%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 8117.835 ms
Loss rate: 30.87%
-- Flow 2:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 6529.576 ms
Loss rate: 53.64%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 8427.225 ms
Loss rate: 71.93%
```

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

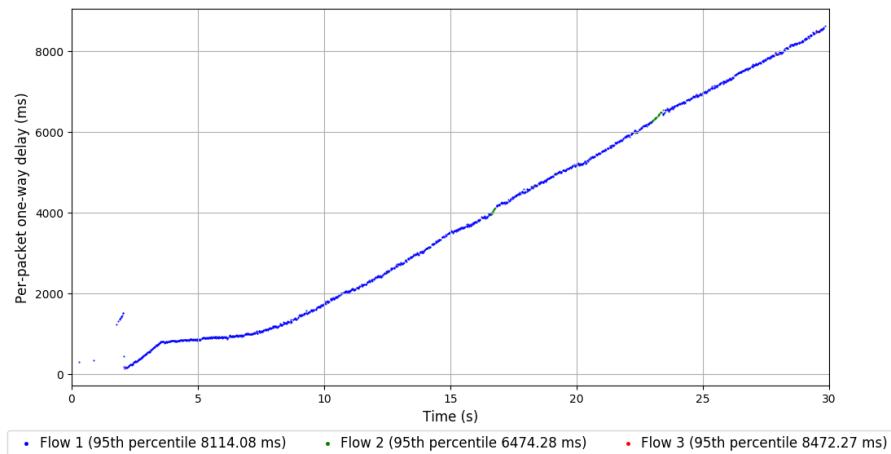
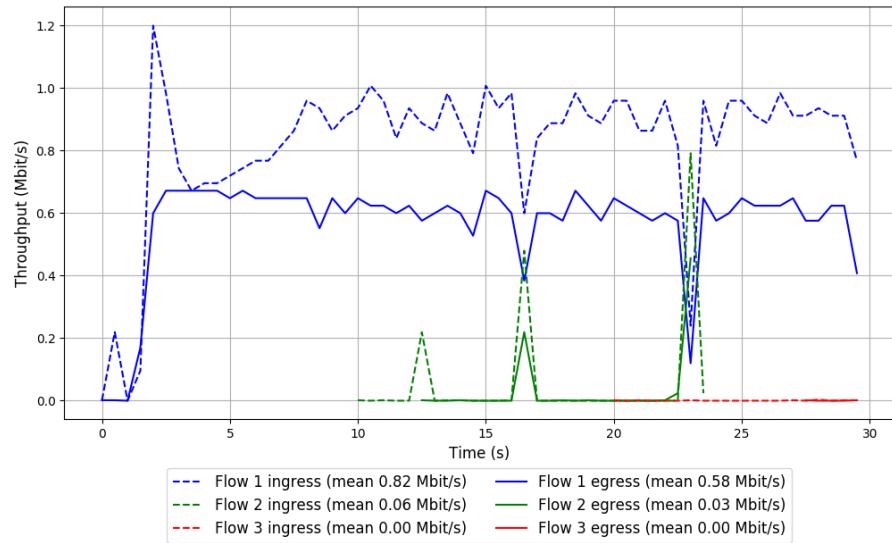


Run 3: Statistics of TCP Cubic

```
Start at: 2017-08-13 06:31:59
End at: 2017-08-13 06:32:29
Local clock offset: 0.435 ms
Remote clock offset: -1.826 ms

# Below is generated by plot.py at 2017-08-13 07:38:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 8104.416 ms
Loss rate: 31.49%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 8114.083 ms
Loss rate: 30.79%
-- Flow 2:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 6474.285 ms
Loss rate: 53.59%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 8472.267 ms
Loss rate: 75.13%
```

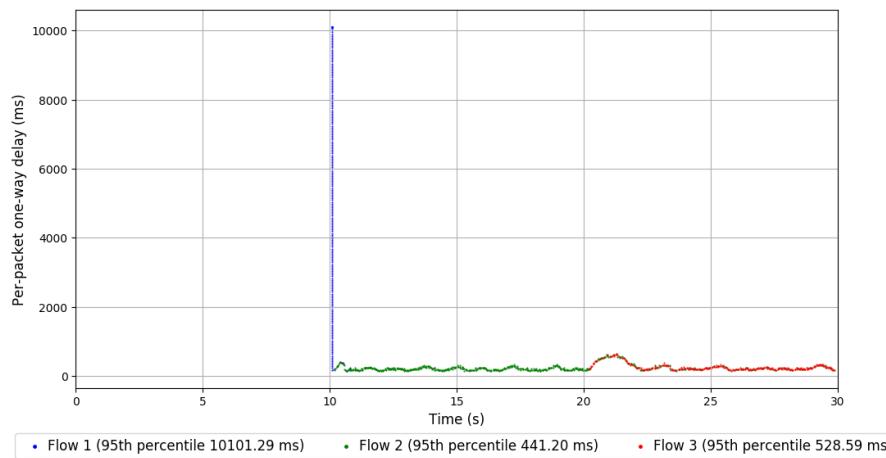
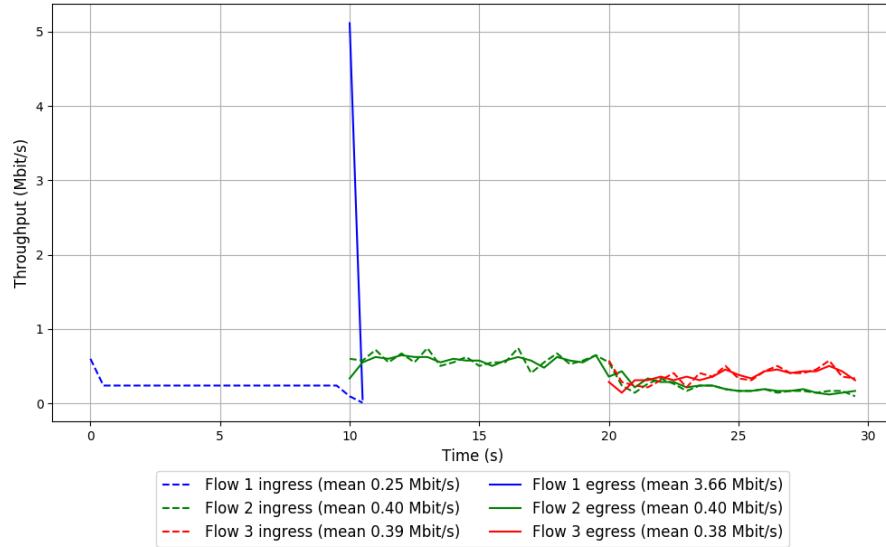
### Run 3: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: 2017-08-13 05:57:00  
End at: 2017-08-13 05:57:30  
Local clock offset: 0.438 ms  
Remote clock offset: -2.054 ms

## Run 1: Report of KohoCC — Data Link

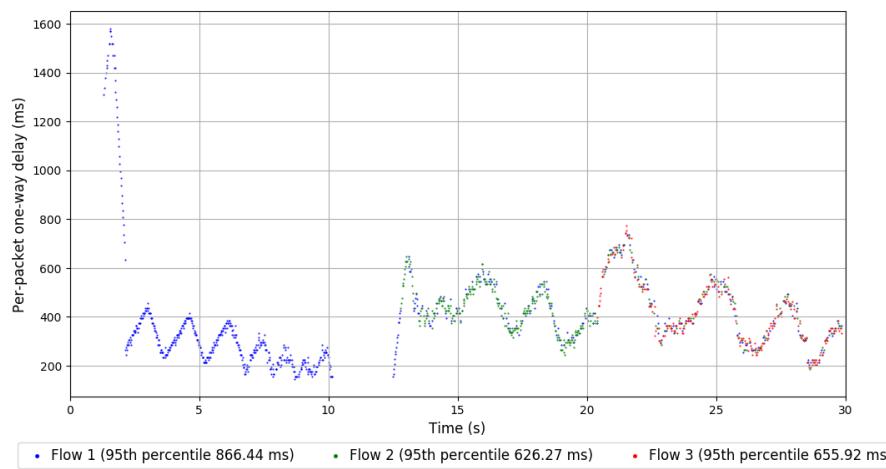
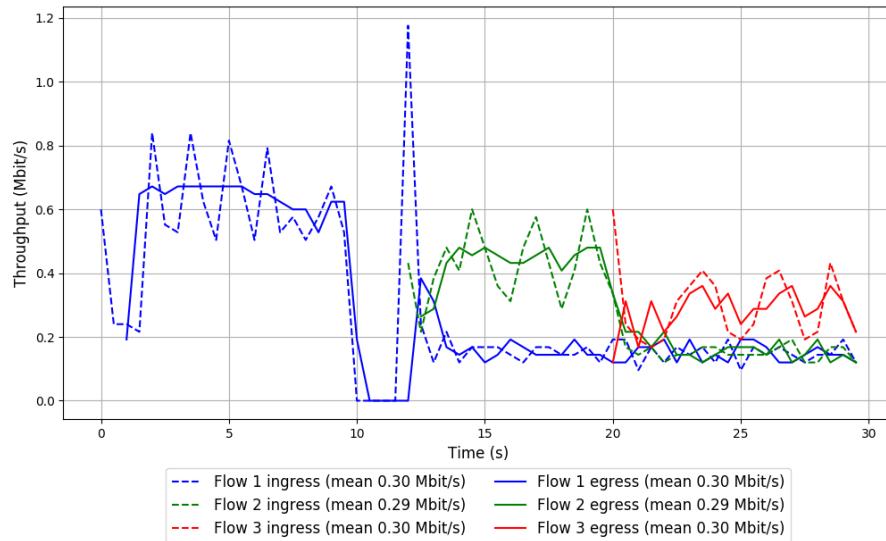


Run 2: Statistics of KohoCC

```
Start at: 2017-08-13 06:15:44
End at: 2017-08-13 06:16:14
Local clock offset: 0.417 ms
Remote clock offset: 1.111 ms

# Below is generated by plot.py at 2017-08-13 07:38:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 674.089 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 866.439 ms
Loss rate: 5.23%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 626.274 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 655.924 ms
Loss rate: 4.84%
```

## Run 2: Report of KohoCC — Data Link

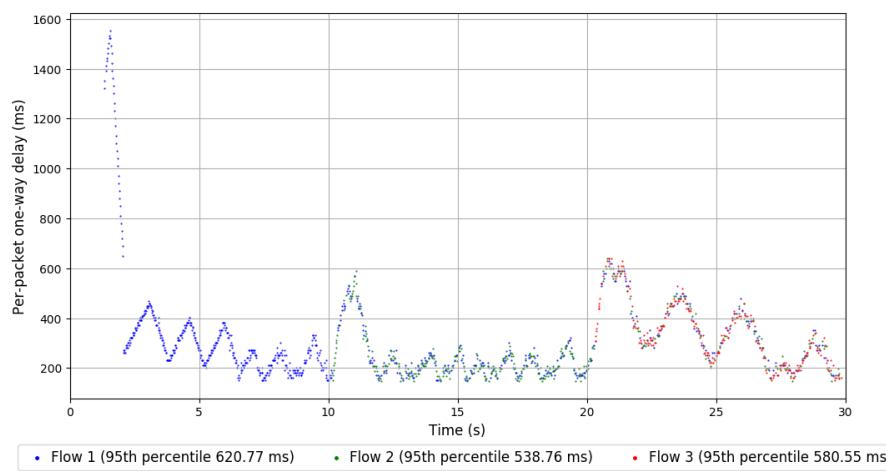
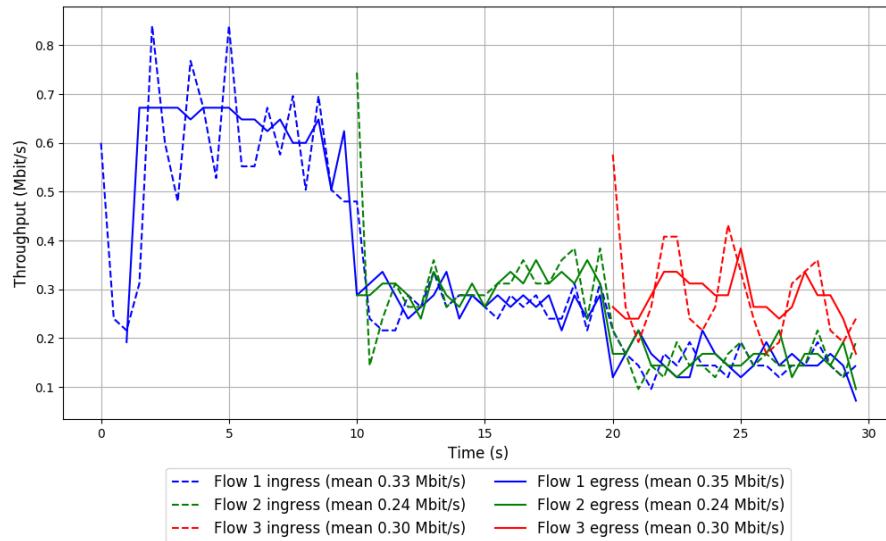


Run 3: Statistics of KohoCC

```
Start at: 2017-08-13 06:34:28
End at: 2017-08-13 06:34:58
Local clock offset: 0.476 ms
Remote clock offset: -2.711 ms

# Below is generated by plot.py at 2017-08-13 07:38:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 580.288 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 620.766 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 538.762 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 580.550 ms
Loss rate: 3.69%
```

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

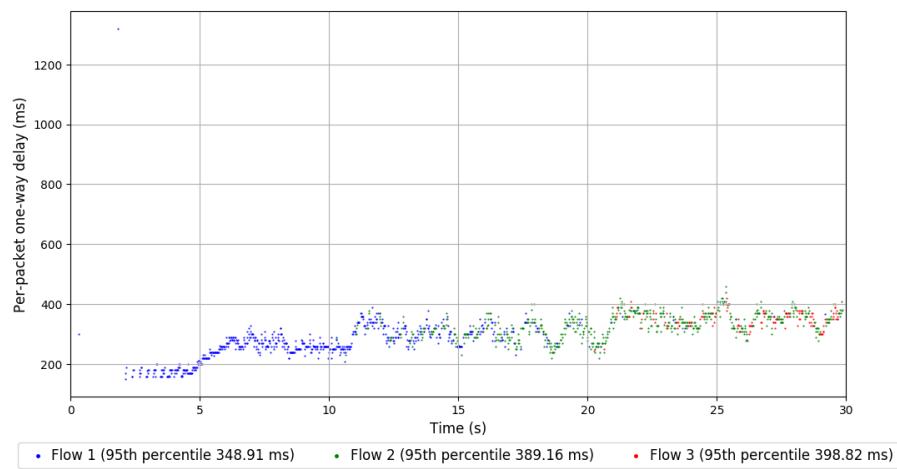
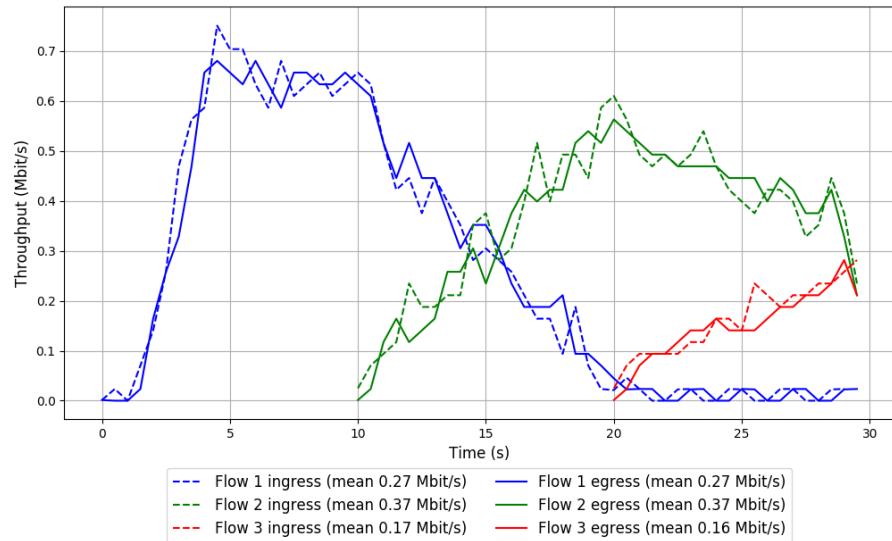


Run 1: Statistics of LEDBAT

```
Start at: 2017-08-13 05:53:16
End at: 2017-08-13 05:53:46
Local clock offset: 0.494 ms
Remote clock offset: -2.93 ms

# Below is generated by plot.py at 2017-08-13 07:38:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 379.367 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 348.913 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 389.159 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 398.823 ms
Loss rate: 8.69%
```

Run 1: Report of LEDBAT — Data Link

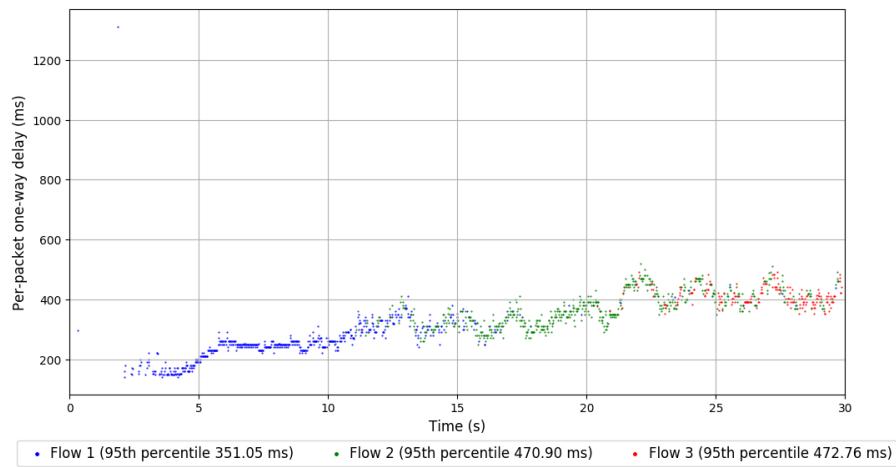
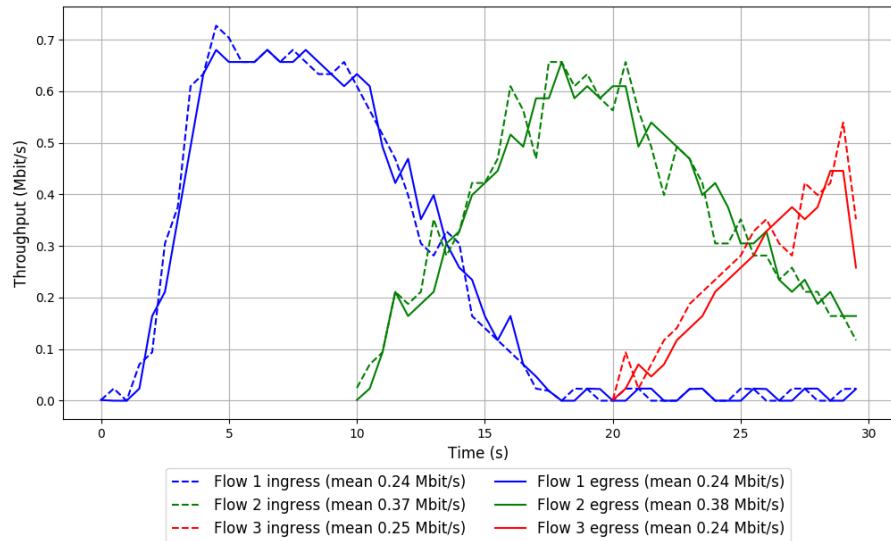


Run 2: Statistics of LEDBAT

```
Start at: 2017-08-13 06:12:00
End at: 2017-08-13 06:12:30
Local clock offset: 0.416 ms
Remote clock offset: 1.991 ms

# Below is generated by plot.py at 2017-08-13 07:38:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 460.824 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 351.051 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 470.896 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 472.764 ms
Loss rate: 9.34%
```

Run 2: Report of LEDBAT — Data Link

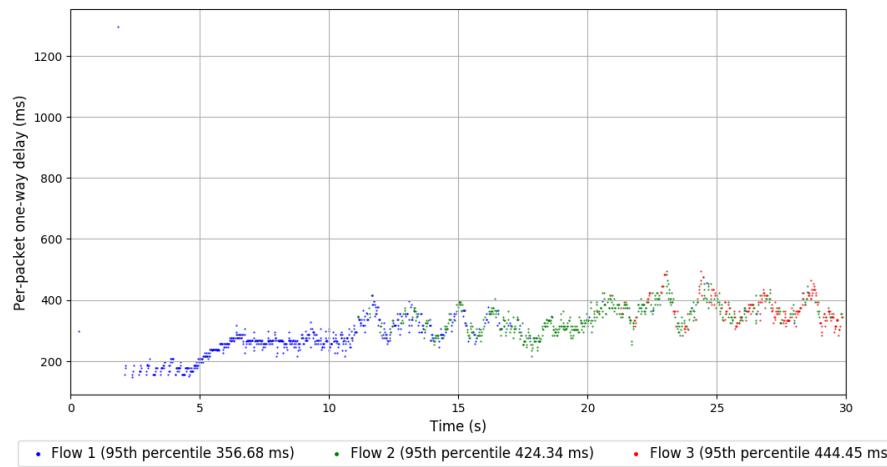
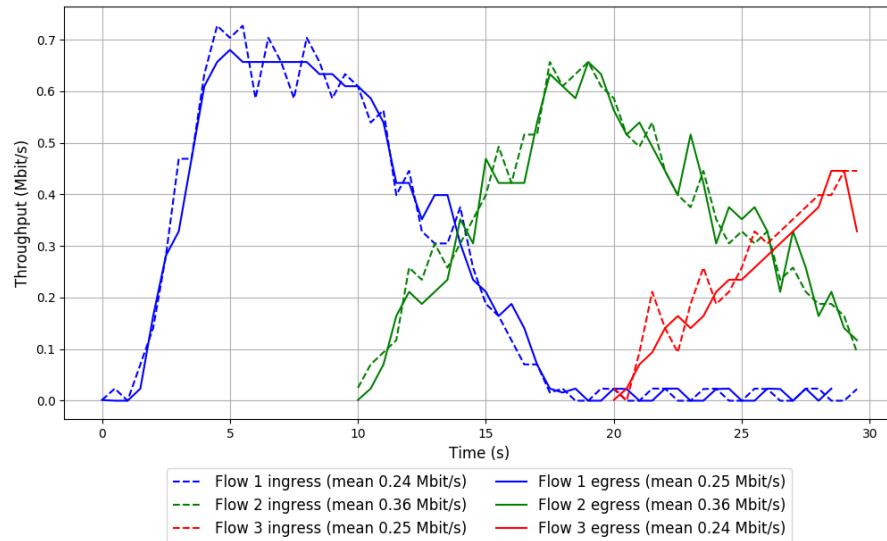


Run 3: Statistics of LEDBAT

```
Start at: 2017-08-13 06:30:44
End at: 2017-08-13 06:31:14
Local clock offset: 0.453 ms
Remote clock offset: 2.205 ms

# Below is generated by plot.py at 2017-08-13 07:38:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 414.545 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 356.675 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 424.336 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 444.449 ms
Loss rate: 8.83%
```

Run 3: Report of LEDBAT — Data Link

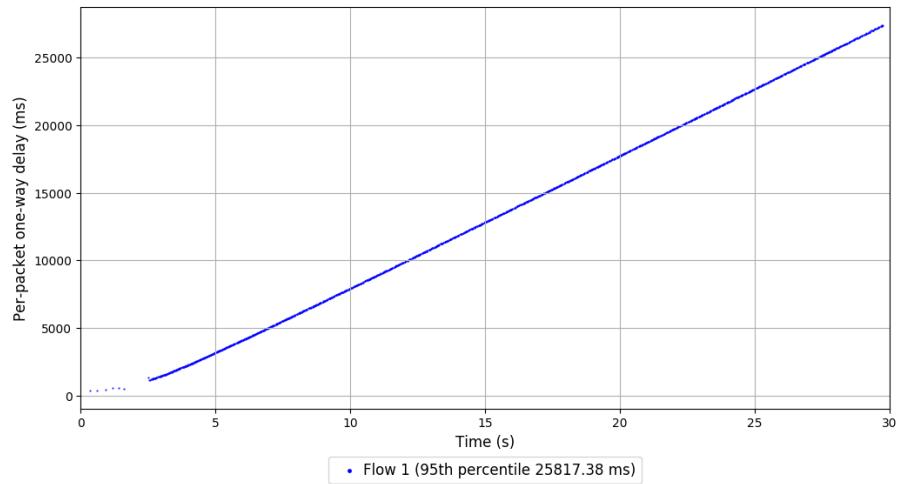
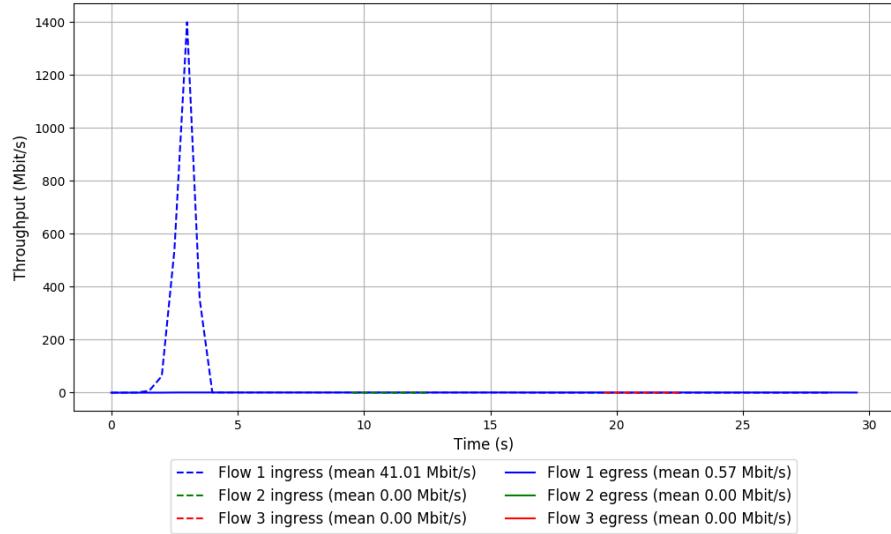


```
Run 1: Statistics of PCC
```

```
Start at: 2017-08-13 06:01:59
End at: 2017-08-13 06:02:29
Local clock offset: 0.434 ms
Remote clock offset: 2.832 ms

# Below is generated by plot.py at 2017-08-13 07:38:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 25817.377 ms
Loss rate: 98.59%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 25817.377 ms
Loss rate: 98.59%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

## Run 1: Report of PCC — Data Link

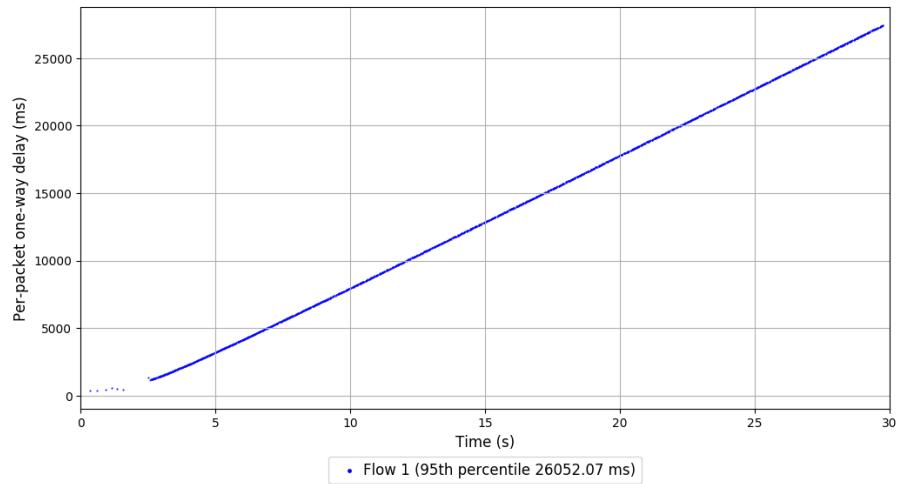
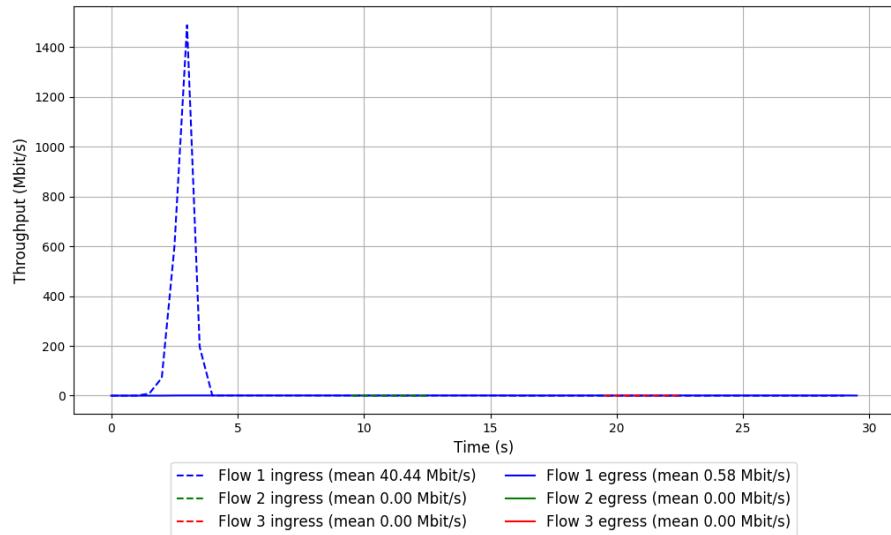


Run 2: Statistics of PCC

```
Start at: 2017-08-13 06:20:43
End at: 2017-08-13 06:21:13
Local clock offset: 0.433 ms
Remote clock offset: 2.042 ms

# Below is generated by plot.py at 2017-08-13 07:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 26052.066 ms
Loss rate: 98.57%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 26052.066 ms
Loss rate: 98.57%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

## Run 2: Report of PCC — Data Link

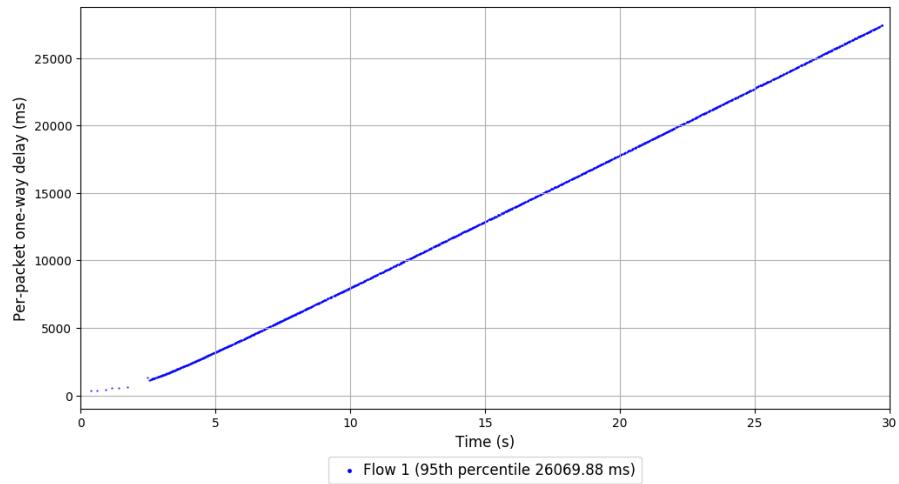
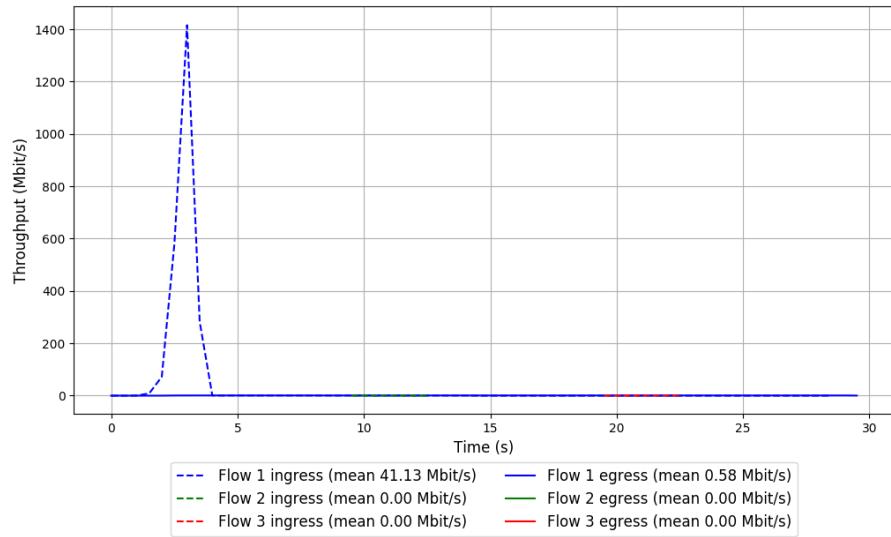


Run 3: Statistics of PCC

```
Start at: 2017-08-13 06:39:27
End at: 2017-08-13 06:39:57
Local clock offset: 0.456 ms
Remote clock offset: 2.131 ms

# Below is generated by plot.py at 2017-08-13 07:38:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 26069.879 ms
Loss rate: 98.58%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 26069.879 ms
Loss rate: 98.58%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

### Run 3: Report of PCC — Data Link

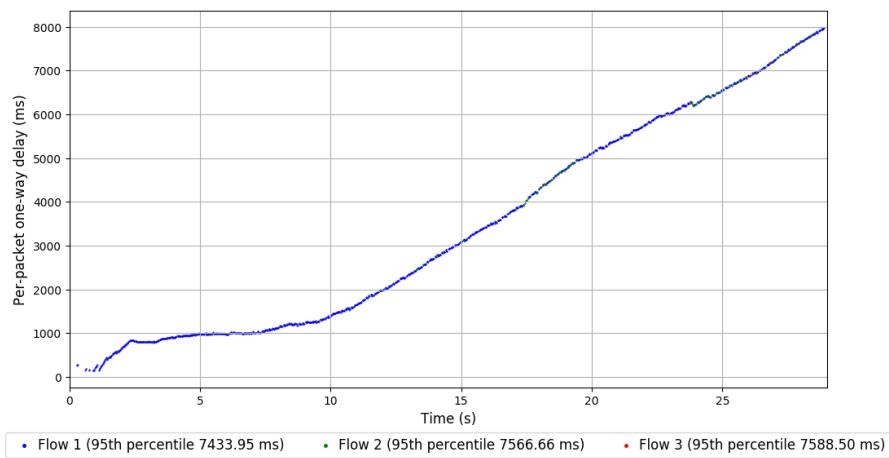
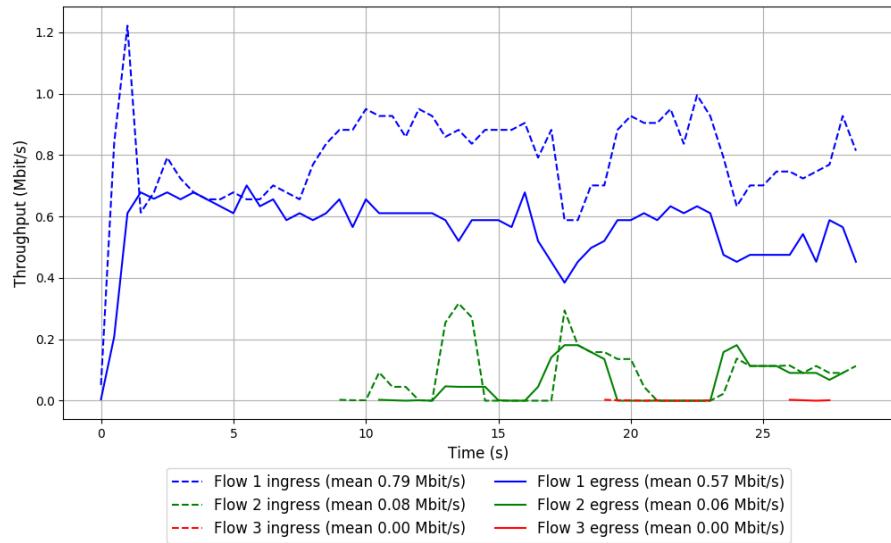


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2017-08-13 05:52:01
End at: 2017-08-13 05:52:31
Local clock offset: 0.457 ms
Remote clock offset: 1.854 ms

# Below is generated by plot.py at 2017-08-13 07:38:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 7461.581 ms
Loss rate: 29.21%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 7433.946 ms
Loss rate: 28.85%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 7566.660 ms
Loss rate: 34.18%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7588.502 ms
Loss rate: 33.33%
```

## Run 1: Report of QUIC Cubic — Data Link

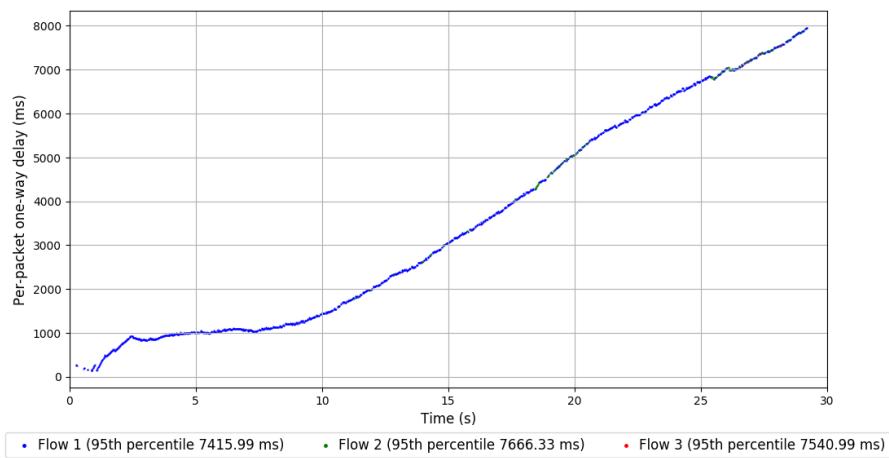
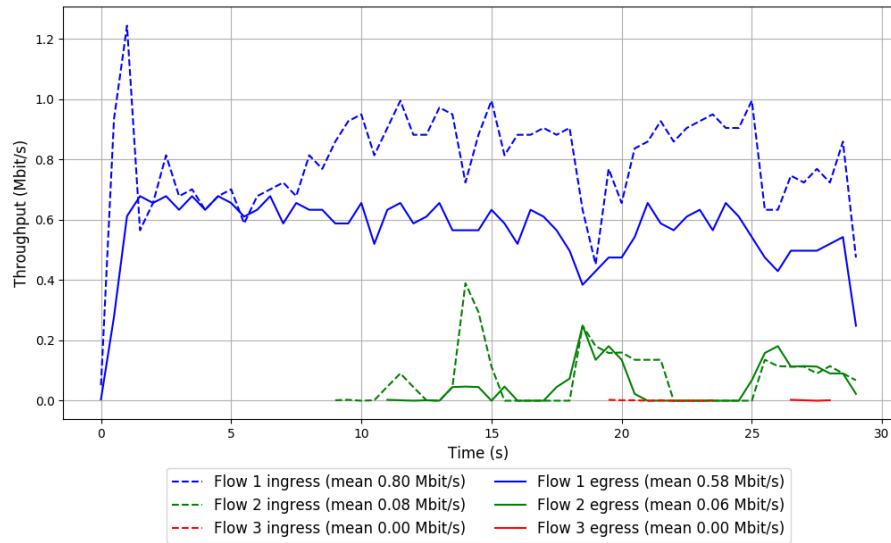


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-08-13 06:10:45
End at: 2017-08-13 06:11:15
Local clock offset: 0.373 ms
Remote clock offset: -2.817 ms

# Below is generated by plot.py at 2017-08-13 07:38:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 7449.171 ms
Loss rate: 29.12%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 7415.990 ms
Loss rate: 28.78%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 7666.326 ms
Loss rate: 34.47%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7540.990 ms
Loss rate: 33.33%
```

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

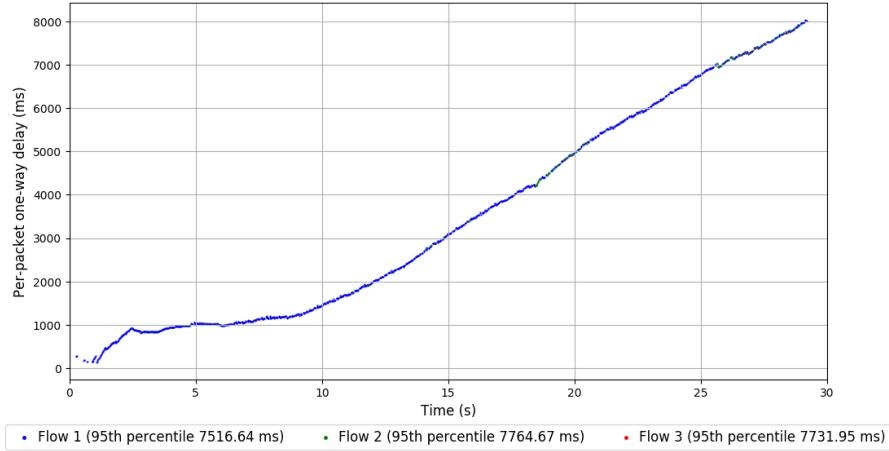
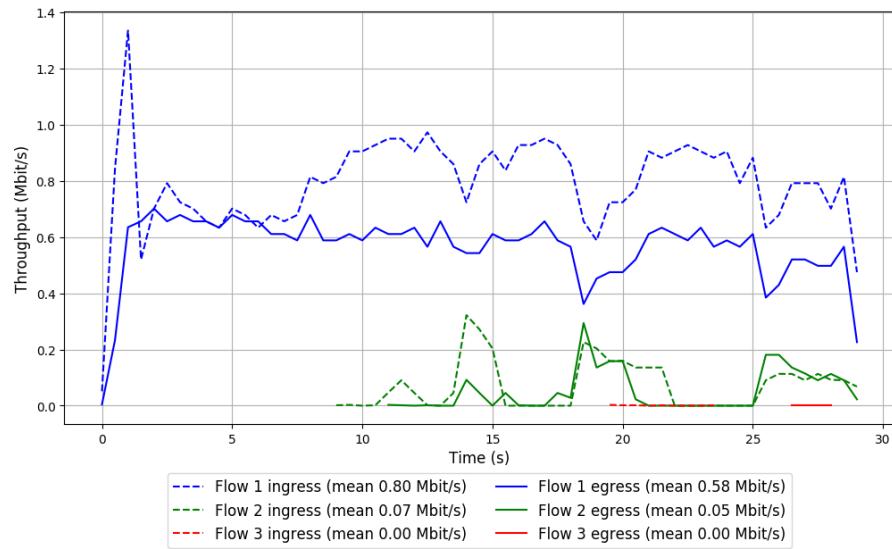


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-08-13 06:29:29
End at: 2017-08-13 06:29:59
Local clock offset: 0.437 ms
Remote clock offset: 3.001 ms

# Below is generated by plot.py at 2017-08-13 07:38:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 7528.634 ms
Loss rate: 29.10%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 7516.637 ms
Loss rate: 28.81%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7764.674 ms
Loss rate: 33.70%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7731.949 ms
Loss rate: 33.33%
```

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

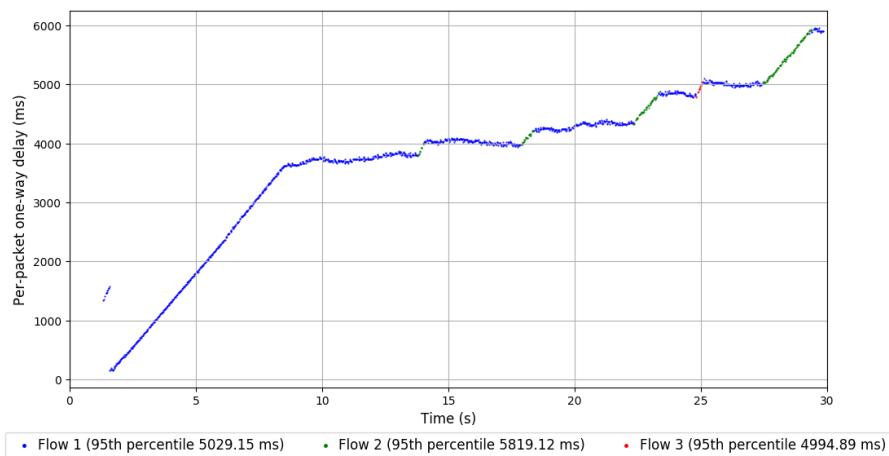
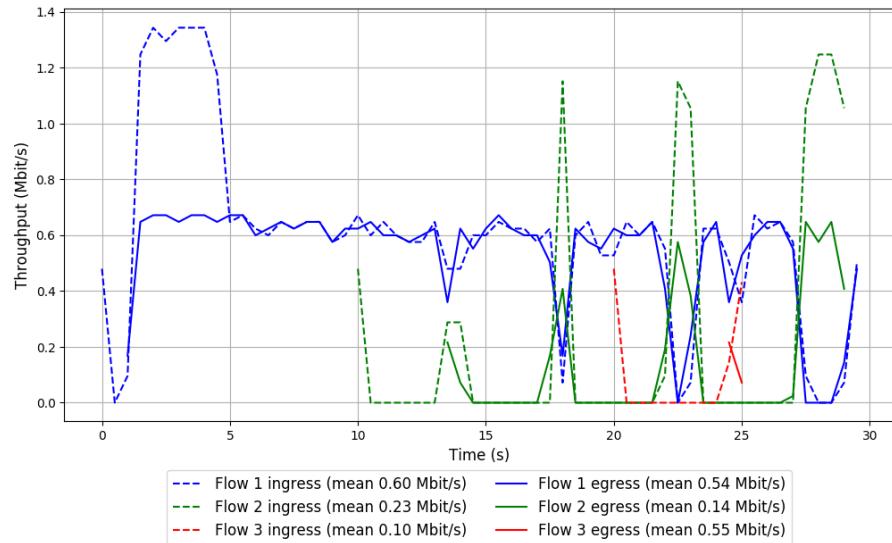


```
Run 1: Statistics of Saturator
```

```
Start at: 2017-08-13 05:58:15
End at: 2017-08-13 05:58:45
Local clock offset: 0.421 ms
Remote clock offset: -2.035 ms

# Below is generated by plot.py at 2017-08-13 07:38:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 5439.162 ms
Loss rate: 22.90%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 5029.154 ms
Loss rate: 13.83%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 5819.116 ms
Loss rate: 52.63%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 4994.885 ms
Loss rate: 72.73%
```

Run 1: Report of Saturator — Data Link

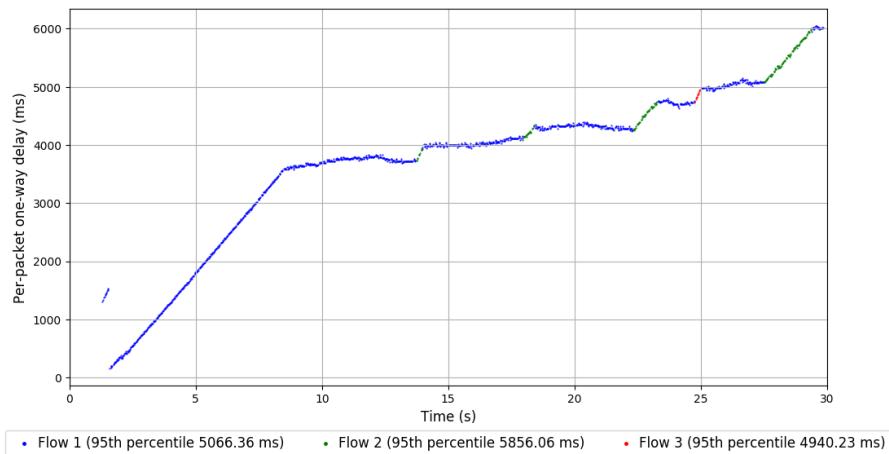
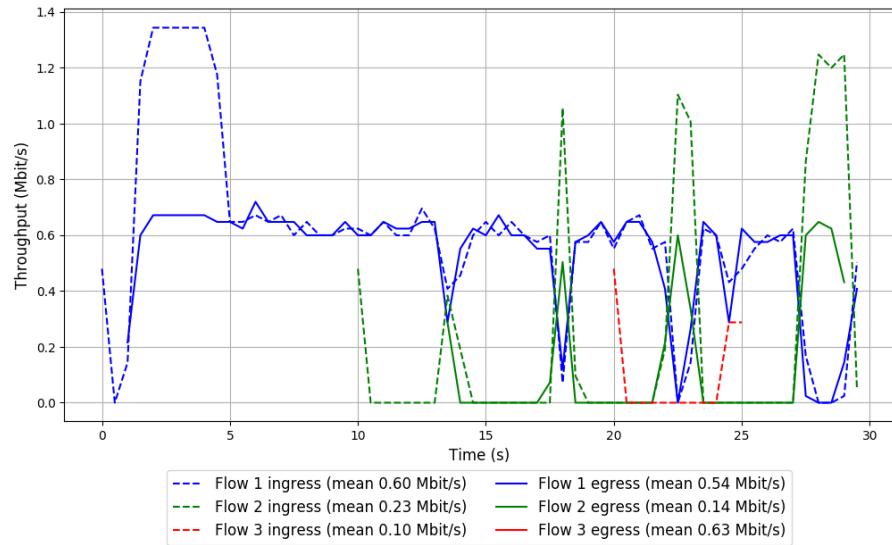


Run 2: Statistics of Saturator

```
Start at: 2017-08-13 06:16:59
End at: 2017-08-13 06:17:29
Local clock offset: 0.413 ms
Remote clock offset: 1.992 ms

# Below is generated by plot.py at 2017-08-13 07:38:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 5486.172 ms
Loss rate: 22.94%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 5066.356 ms
Loss rate: 13.89%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 5856.064 ms
Loss rate: 52.63%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 4940.234 ms
Loss rate: 72.73%
```

Run 2: Report of Saturator — Data Link

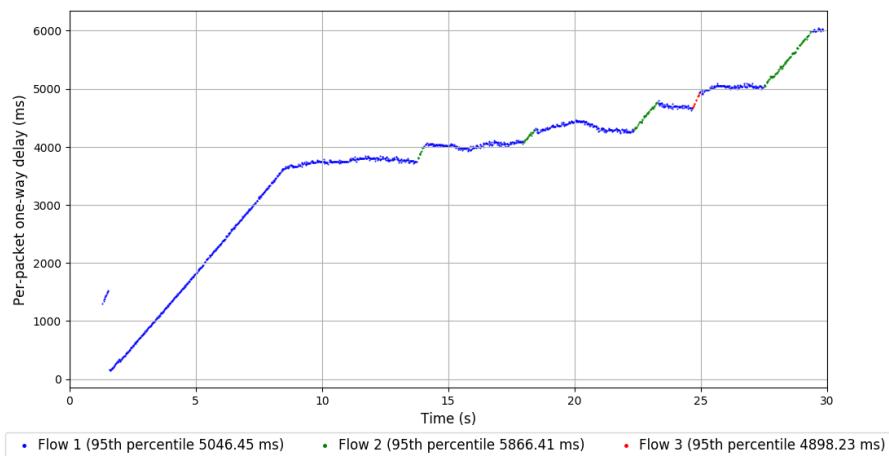
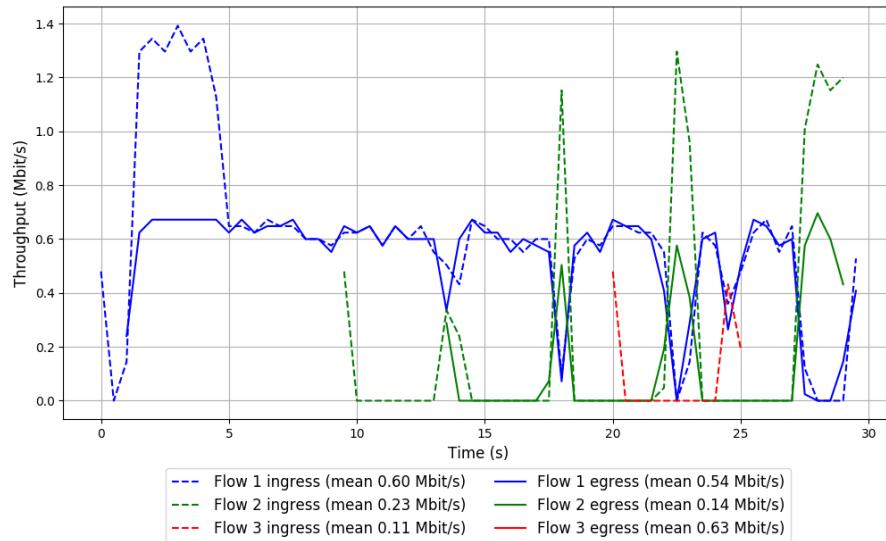


Run 3: Statistics of Saturator

```
Start at: 2017-08-13 06:35:43
End at: 2017-08-13 06:36:13
Local clock offset: 0.473 ms
Remote clock offset: -1.739 ms

# Below is generated by plot.py at 2017-08-13 07:38:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 5456.379 ms
Loss rate: 22.98%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 5046.452 ms
Loss rate: 13.90%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 5866.409 ms
Loss rate: 52.63%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 4898.225 ms
Loss rate: 71.74%
```

Run 3: Report of Saturator — Data Link

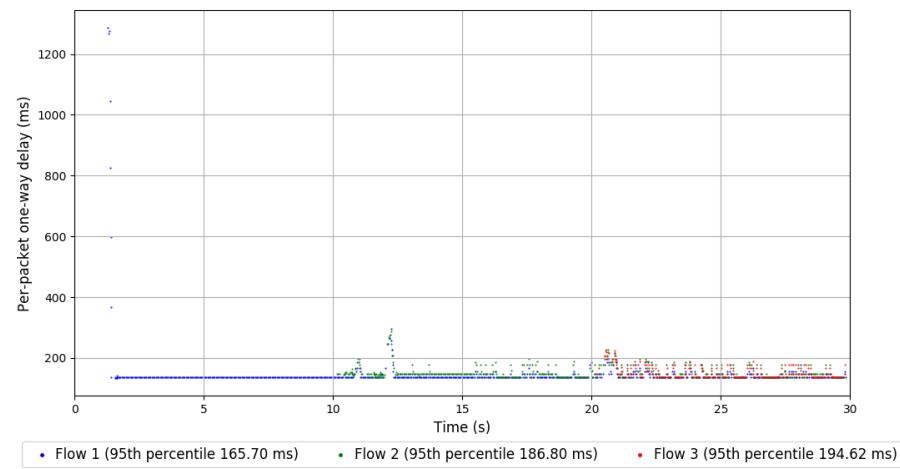
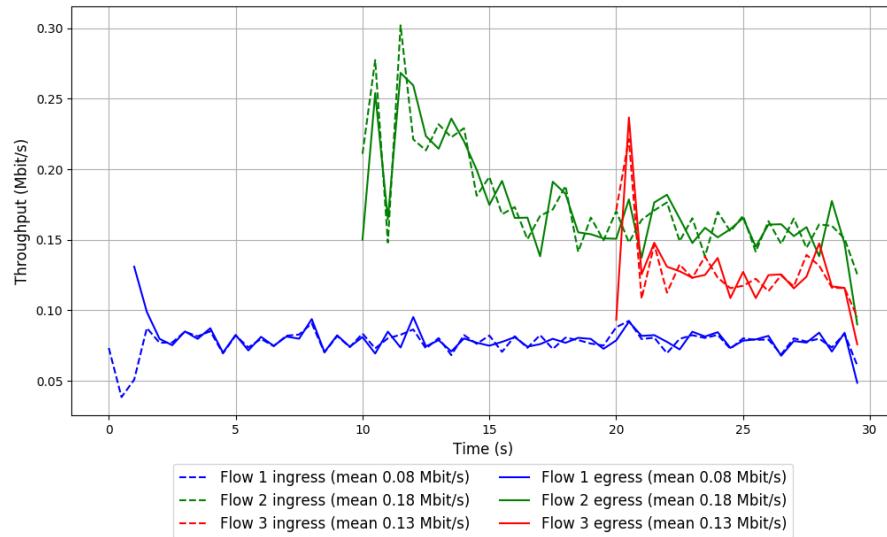


```
Run 1: Statistics of SCReAM
```

```
Start at: 2017-08-13 05:48:16
End at: 2017-08-13 05:48:46
Local clock offset: 0.368 ms
Remote clock offset: -2.995 ms

# Below is generated by plot.py at 2017-08-13 07:38:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 186.396 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 165.704 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 186.799 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 194.622 ms
Loss rate: 1.84%
```

## Run 1: Report of SCReAM — Data Link

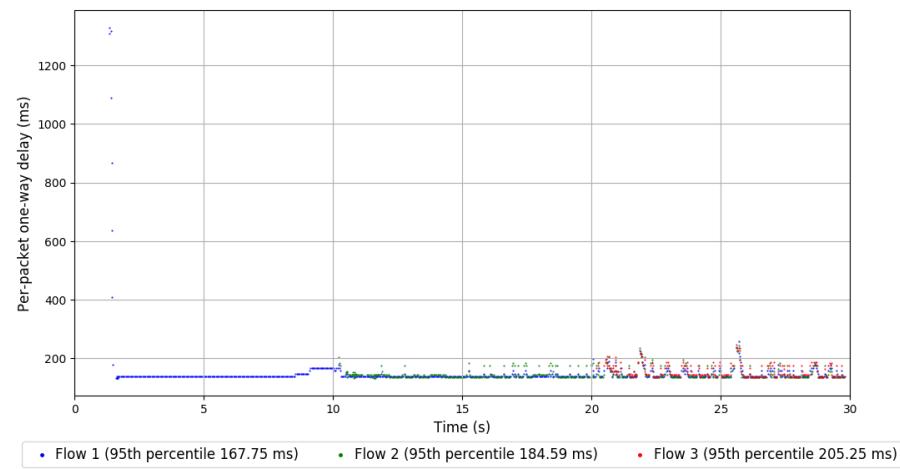
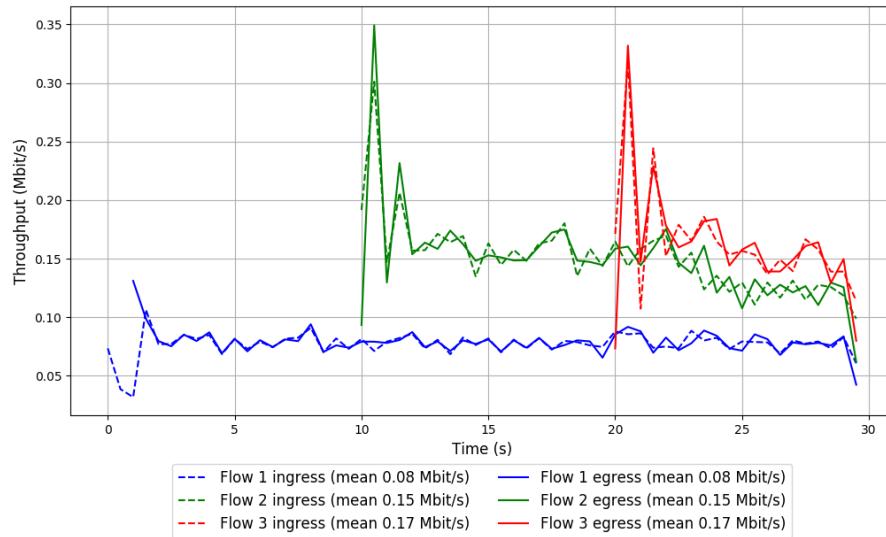


Run 2: Statistics of SCReAM

```
Start at: 2017-08-13 06:07:01
End at: 2017-08-13 06:07:31
Local clock offset: 0.414 ms
Remote clock offset: -2.011 ms

# Below is generated by plot.py at 2017-08-13 07:38:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 185.360 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 167.755 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 184.586 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 205.255 ms
Loss rate: 2.05%
```

## Run 2: Report of SCReAM — Data Link

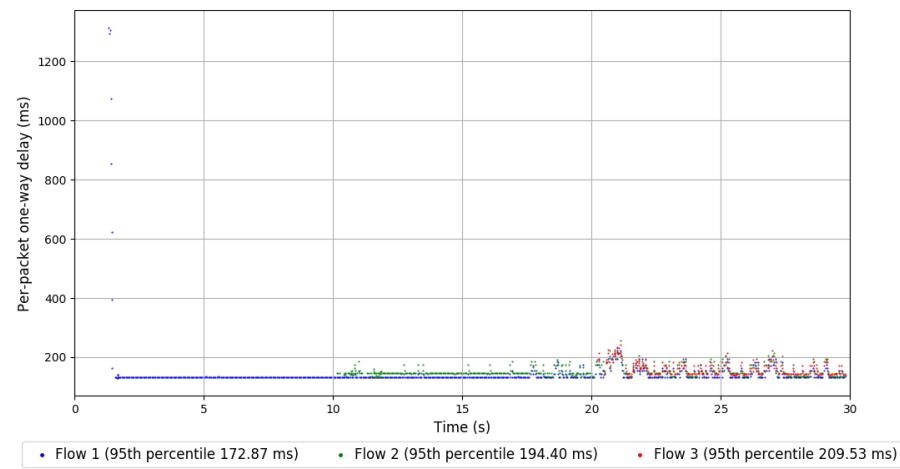
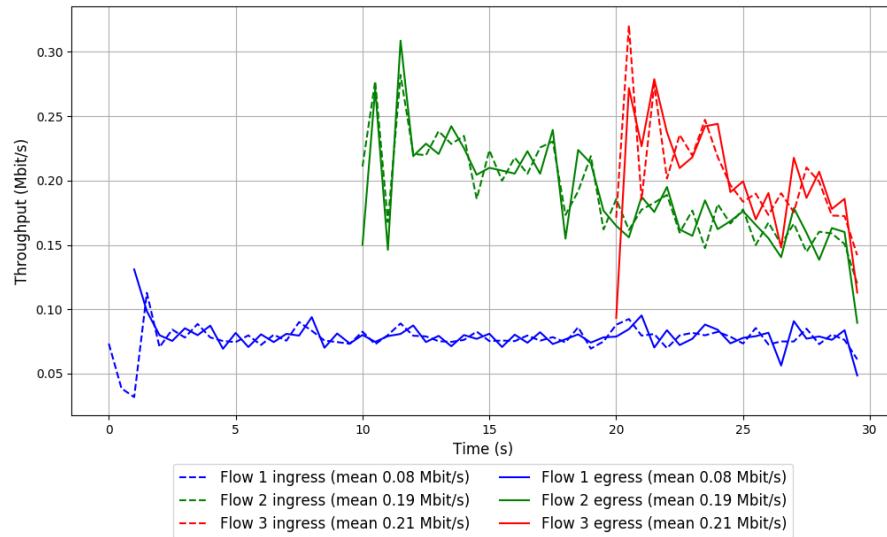


Run 3: Statistics of SCReAM

```
Start at: 2017-08-13 06:25:45
End at: 2017-08-13 06:26:15
Local clock offset: 0.368 ms
Remote clock offset: 3.004 ms

# Below is generated by plot.py at 2017-08-13 07:38:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 192.556 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 172.871 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 194.397 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 209.525 ms
Loss rate: 1.73%
```

Run 3: Report of SCReAM — Data Link

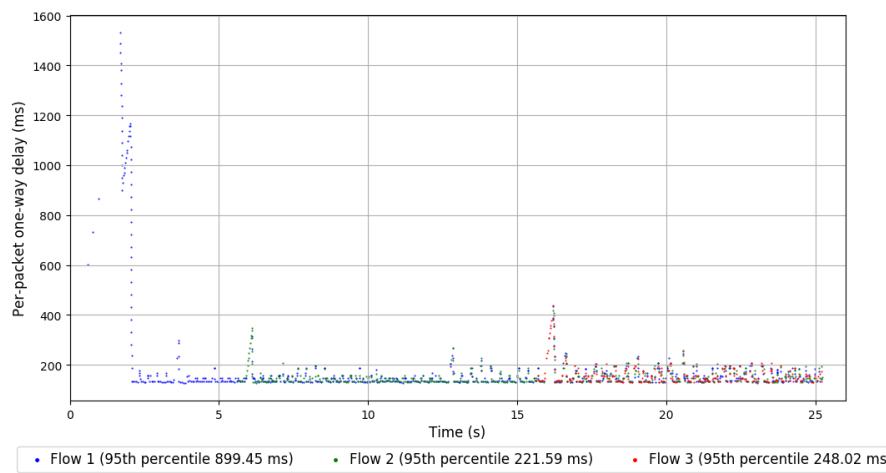
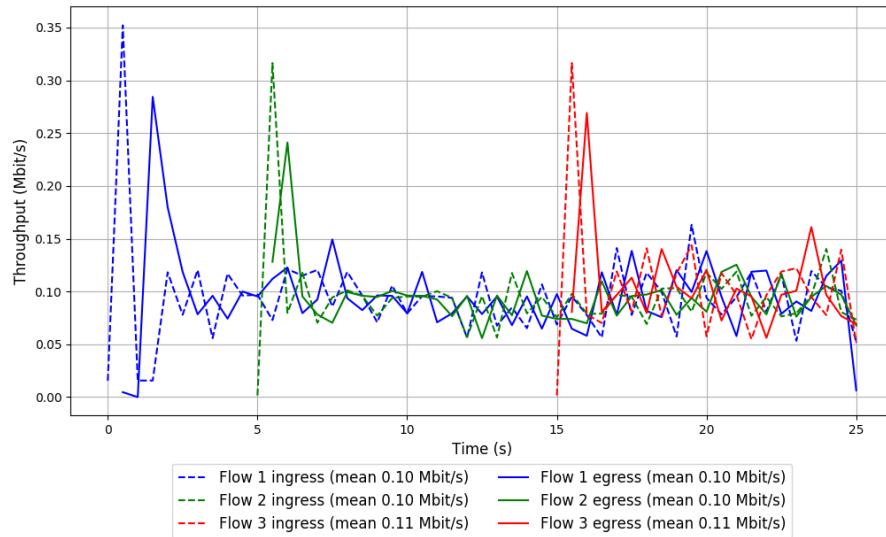


Run 1: Statistics of Sprout

```
Start at: 2017-08-13 05:49:31
End at: 2017-08-13 05:50:01
Local clock offset: 0.484 ms
Remote clock offset: 2.837 ms

# Below is generated by plot.py at 2017-08-13 07:38:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 308.108 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 899.447 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 221.586 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 248.019 ms
Loss rate: 3.03%
```

## Run 1: Report of Sprout — Data Link

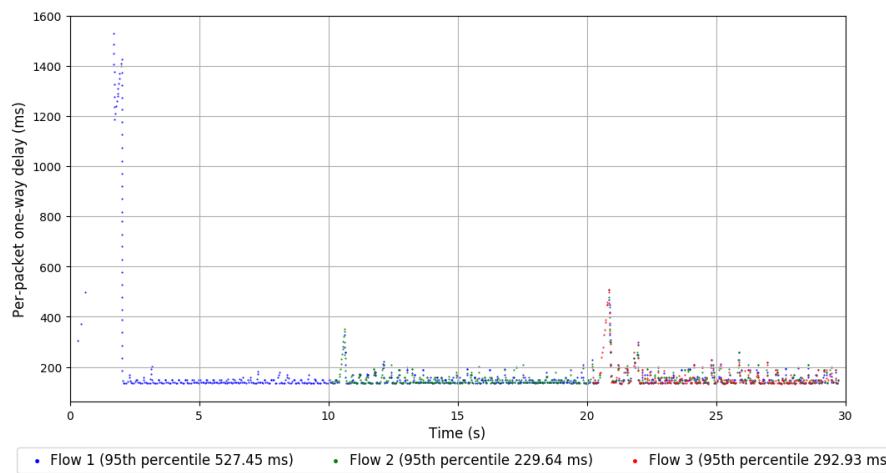
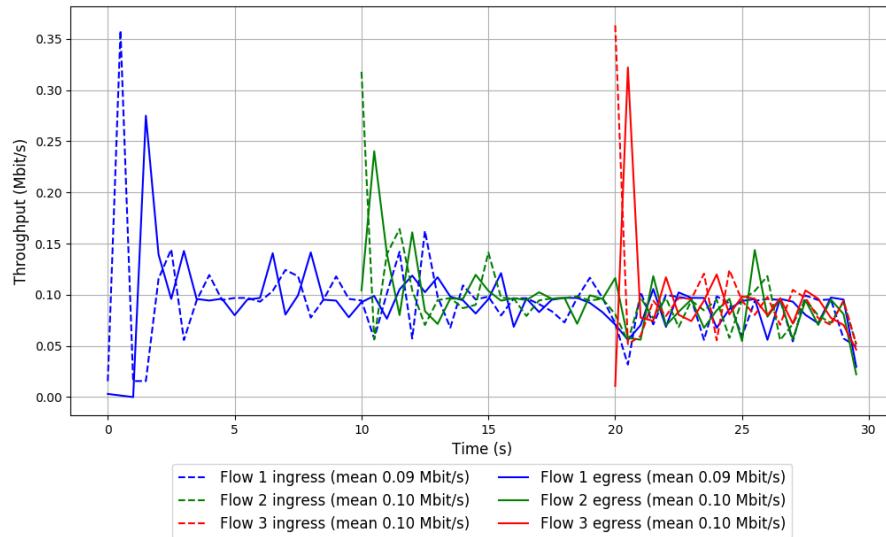


Run 2: Statistics of Sprout

```
Start at: 2017-08-13 06:08:15
End at: 2017-08-13 06:08:45
Local clock offset: 0.432 ms
Remote clock offset: -2.854 ms

# Below is generated by plot.py at 2017-08-13 07:38:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 299.477 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 527.452 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 229.637 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 292.926 ms
Loss rate: 4.53%
```

## Run 2: Report of Sprout — Data Link

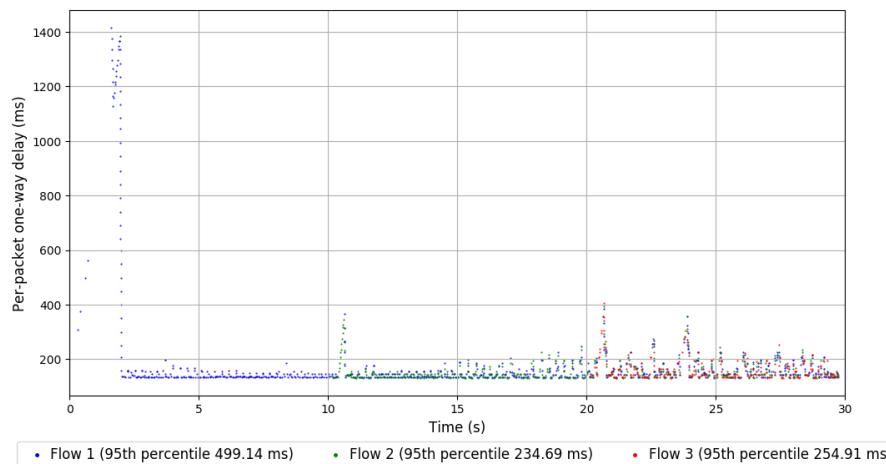
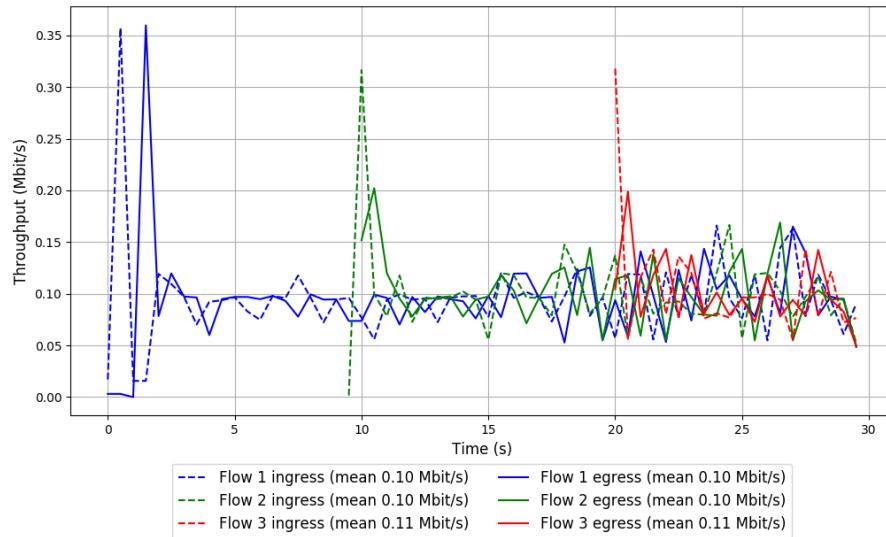


Run 3: Statistics of Sprout

```
Start at: 2017-08-13 06:27:00
End at: 2017-08-13 06:27:30
Local clock offset: 0.438 ms
Remote clock offset: -1.815 ms

# Below is generated by plot.py at 2017-08-13 07:38:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 274.676 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 499.136 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 234.691 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 254.905 ms
Loss rate: 5.28%
```

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

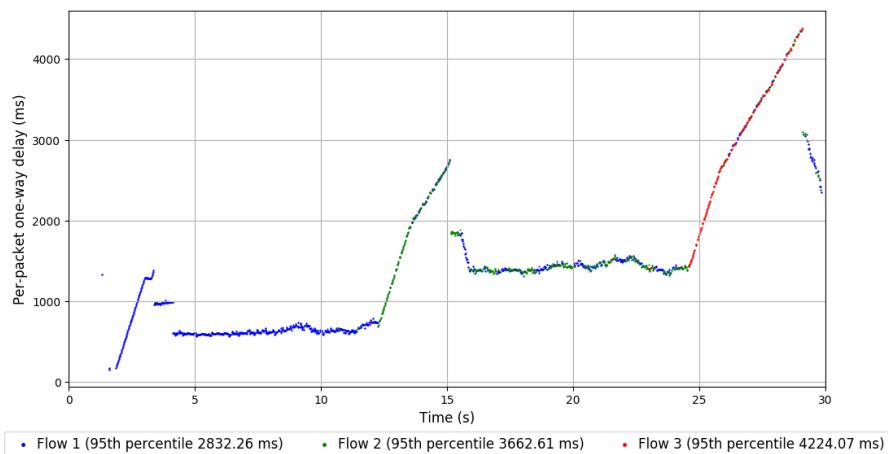
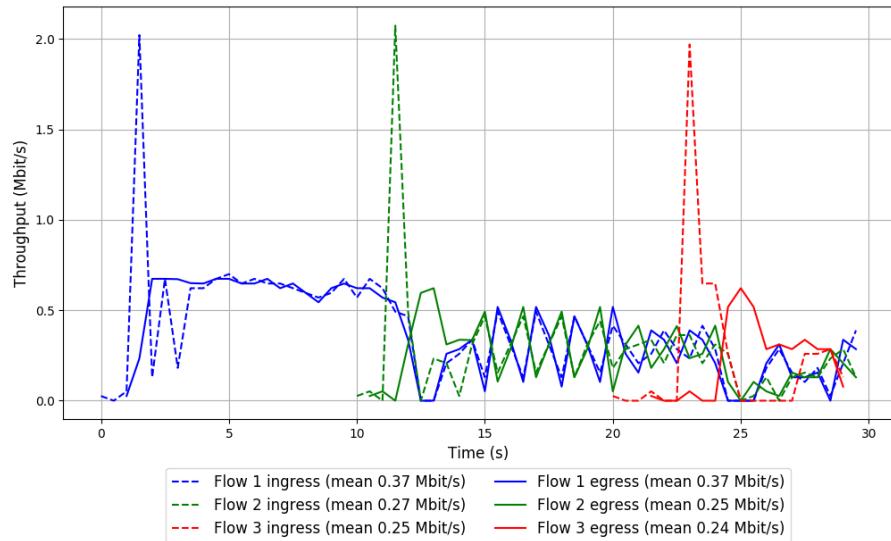


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-08-13 05:59:30
End at: 2017-08-13 06:00:00
Local clock offset: 0.426 ms
Remote clock offset: 1.905 ms

# Below is generated by plot.py at 2017-08-13 07:38:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 3553.854 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 2832.262 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 3662.607 ms
Loss rate: 8.74%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 4224.067 ms
Loss rate: 20.57%
```

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

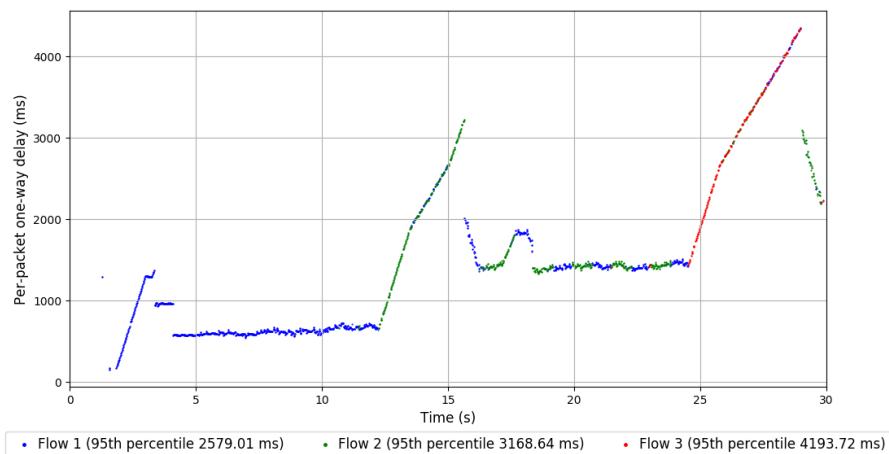
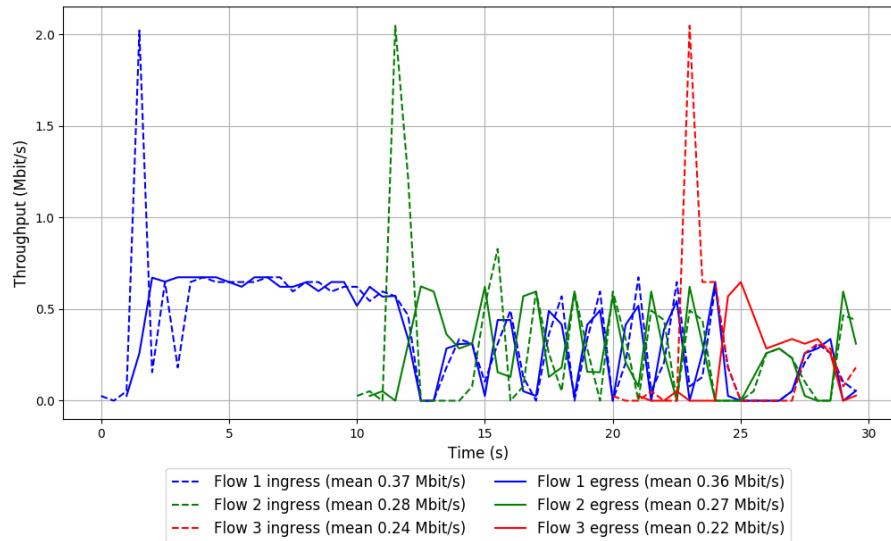


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-08-13 06:18:14
End at: 2017-08-13 06:18:44
Local clock offset: 0.412 ms
Remote clock offset: 2.022 ms

# Below is generated by plot.py at 2017-08-13 07:38:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 3598.925 ms
Loss rate: 7.81%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 2579.014 ms
Loss rate: 4.28%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 3168.635 ms
Loss rate: 8.28%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4193.723 ms
Loss rate: 23.03%
```

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

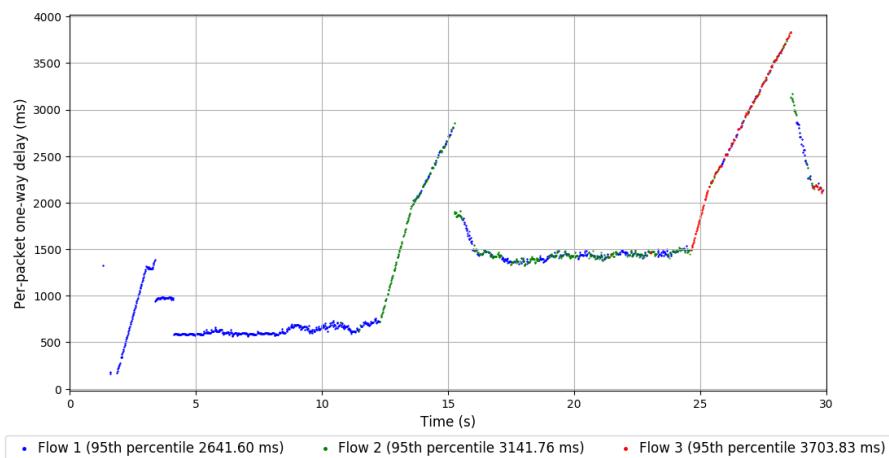
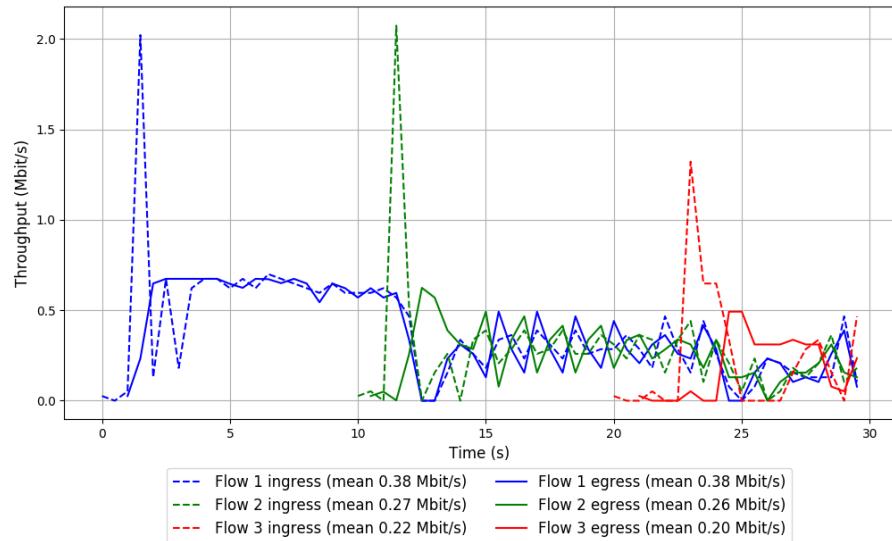


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-08-13 06:36:58
End at: 2017-08-13 06:37:28
Local clock offset: 0.385 ms
Remote clock offset: -2.727 ms

# Below is generated by plot.py at 2017-08-13 07:38:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 3131.981 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 2641.596 ms
Loss rate: 4.04%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 3141.763 ms
Loss rate: 8.61%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 3703.834 ms
Loss rate: 25.10%
```

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

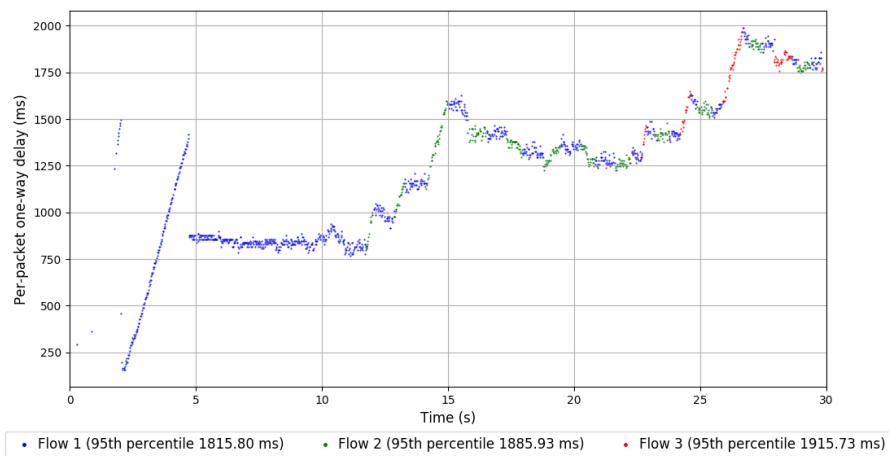
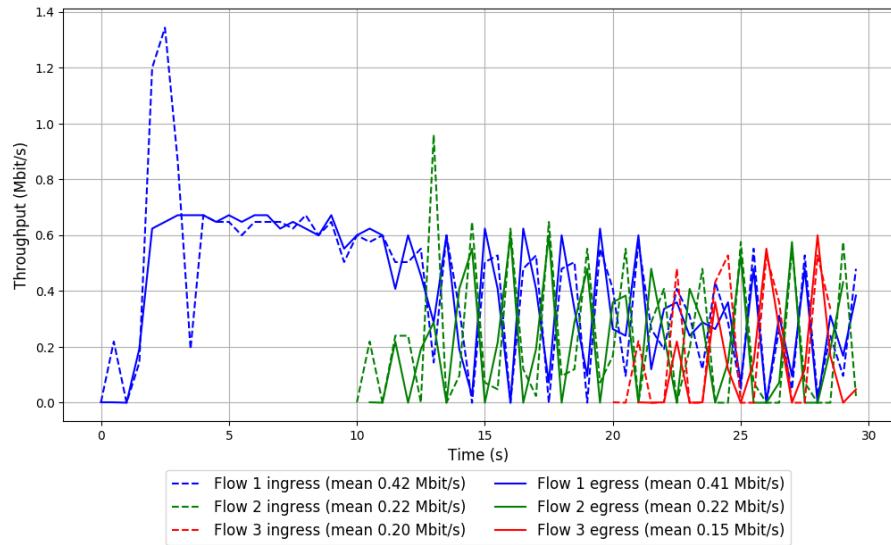


Run 1: Statistics of TCP Vegas

```
Start at: 2017-08-13 06:00:45
End at: 2017-08-13 06:01:15
Local clock offset: 0.433 ms
Remote clock offset: -1.982 ms

# Below is generated by plot.py at 2017-08-13 07:38:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1866.199 ms
Loss rate: 6.02%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 1815.797 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1885.930 ms
Loss rate: 6.86%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1915.730 ms
Loss rate: 23.89%
```

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

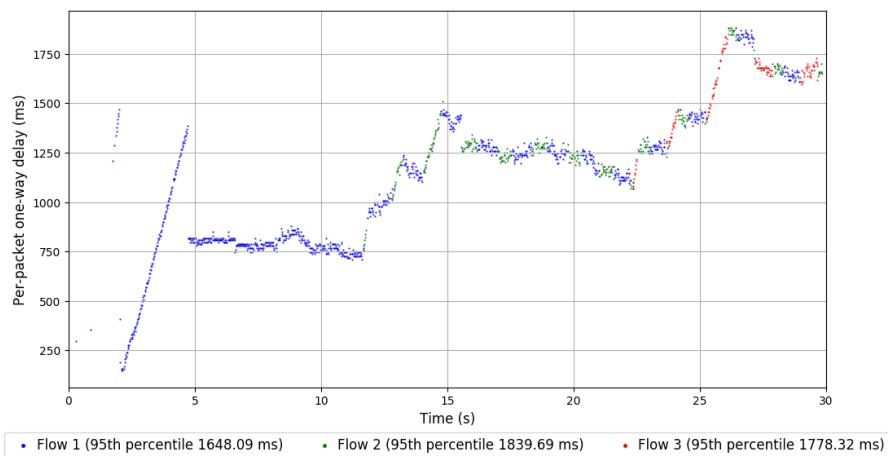
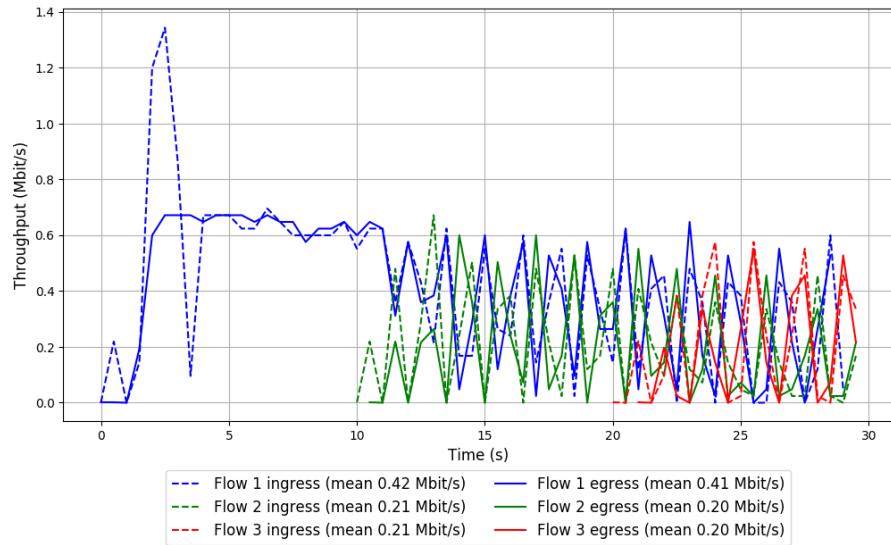


Run 2: Statistics of TCP Vegas

```
Start at: 2017-08-13 06:19:29
End at: 2017-08-13 06:19:59
Local clock offset: 0.323 ms
Remote clock offset: 2.057 ms

# Below is generated by plot.py at 2017-08-13 07:38:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1717.990 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 1648.086 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 1839.686 ms
Loss rate: 5.28%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 1778.315 ms
Loss rate: 19.26%
```

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



Run 3: Statistics of TCP Vegas

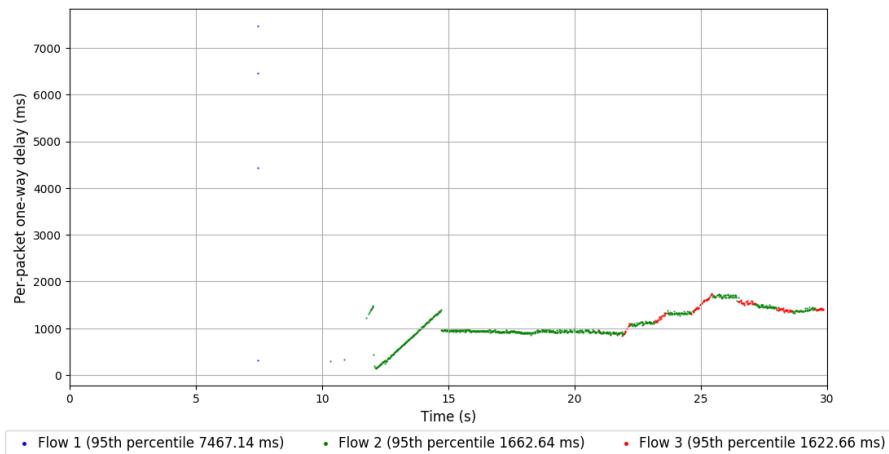
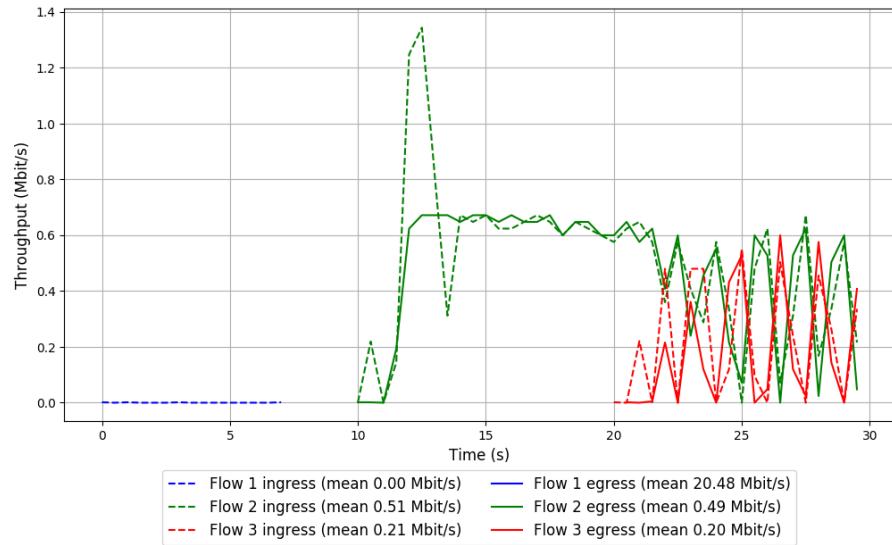
Start at: 2017-08-13 06:38:13

End at: 2017-08-13 06:38:43

Local clock offset: 0.454 ms

Remote clock offset: -1.785 ms

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

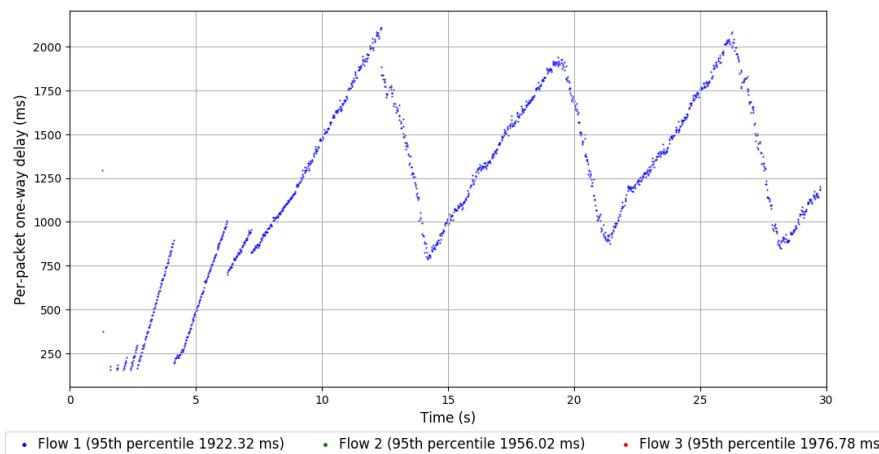
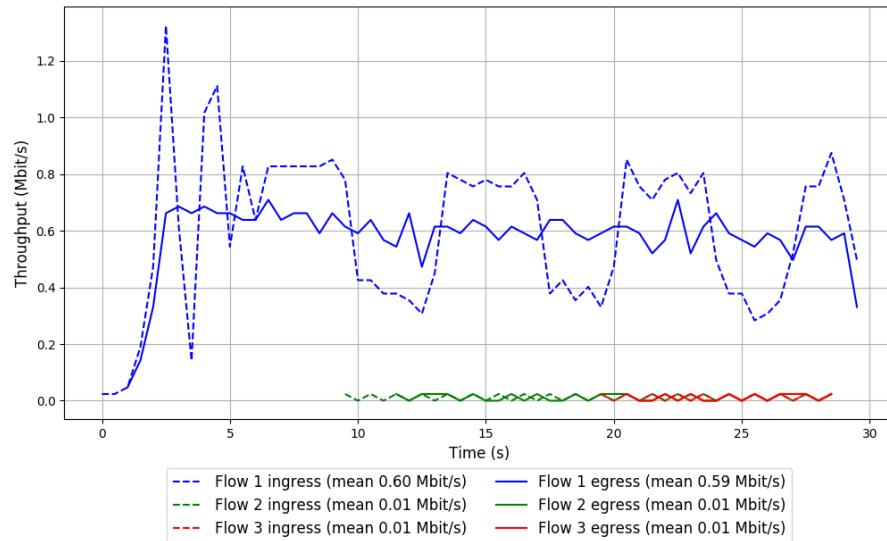


Run 1: Statistics of Verus

```
Start at: 2017-08-13 05:55:45
End at: 2017-08-13 05:56:15
Local clock offset: 0.452 ms
Remote clock offset: 1.016 ms

# Below is generated by plot.py at 2017-08-13 07:38:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 1923.024 ms
Loss rate: 5.52%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1922.318 ms
Loss rate: 5.49%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1956.022 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1976.778 ms
Loss rate: 10.00%
```

## Run 1: Report of Verus — Data Link

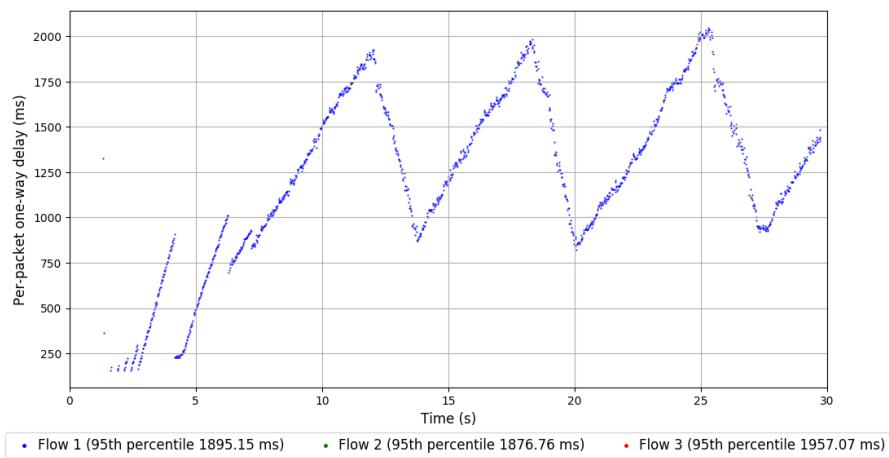
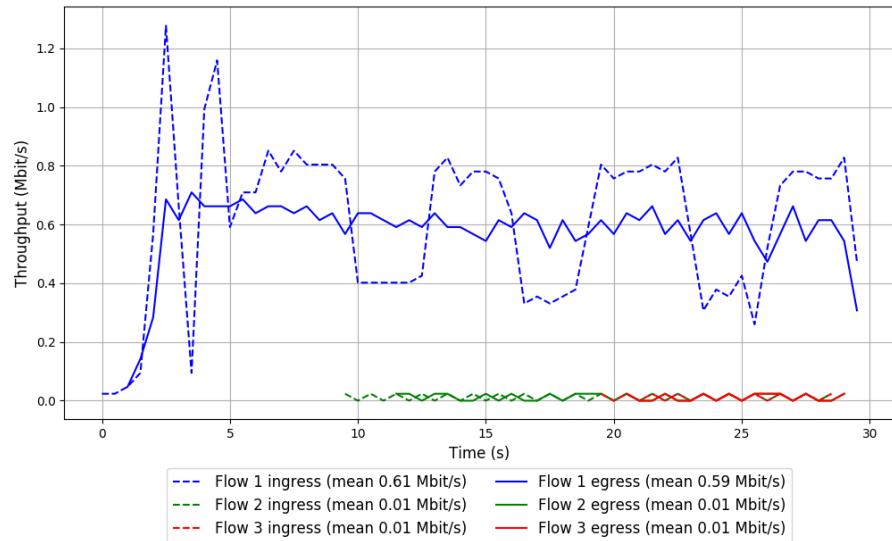


Run 2: Statistics of Verus

```
Start at: 2017-08-13 06:14:29
End at: 2017-08-13 06:14:59
Local clock offset: 0.437 ms
Remote clock offset: 2.972 ms

# Below is generated by plot.py at 2017-08-13 07:38:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 1895.154 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1895.154 ms
Loss rate: 6.68%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1876.764 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1957.068 ms
Loss rate: 10.00%
```

## Run 2: Report of Verus — Data Link

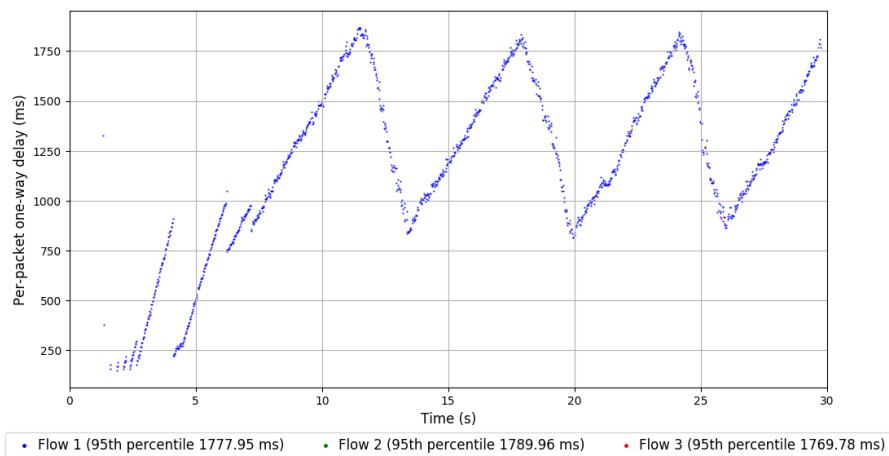
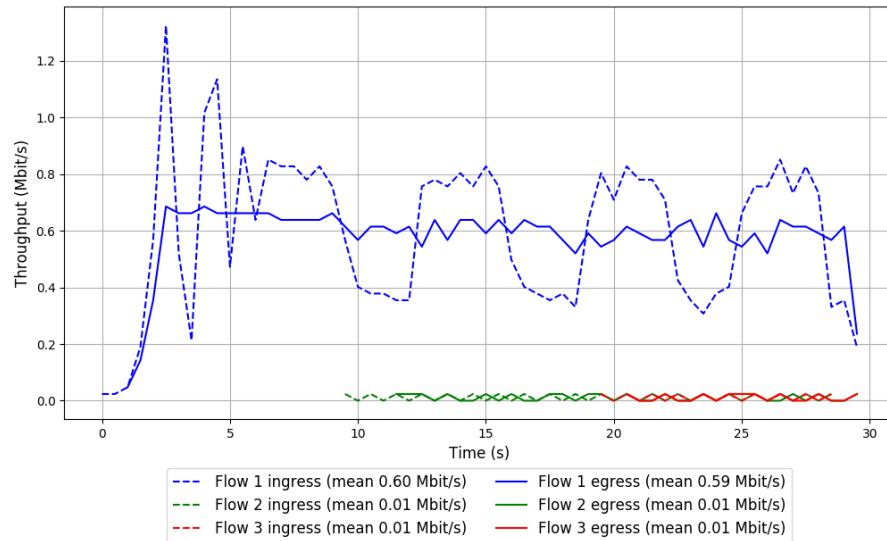


Run 3: Statistics of Verus

```
Start at: 2017-08-13 06:33:13
End at: 2017-08-13 06:33:43
Local clock offset: 0.413 ms
Remote clock offset: -2.714 ms

# Below is generated by plot.py at 2017-08-13 07:38:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 1778.092 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1777.949 ms
Loss rate: 4.73%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1789.956 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1769.783 ms
Loss rate: 10.00%
```

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

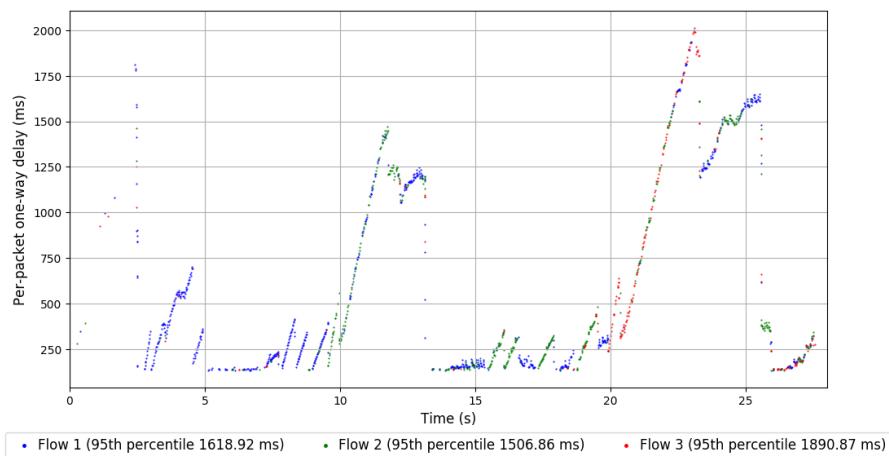
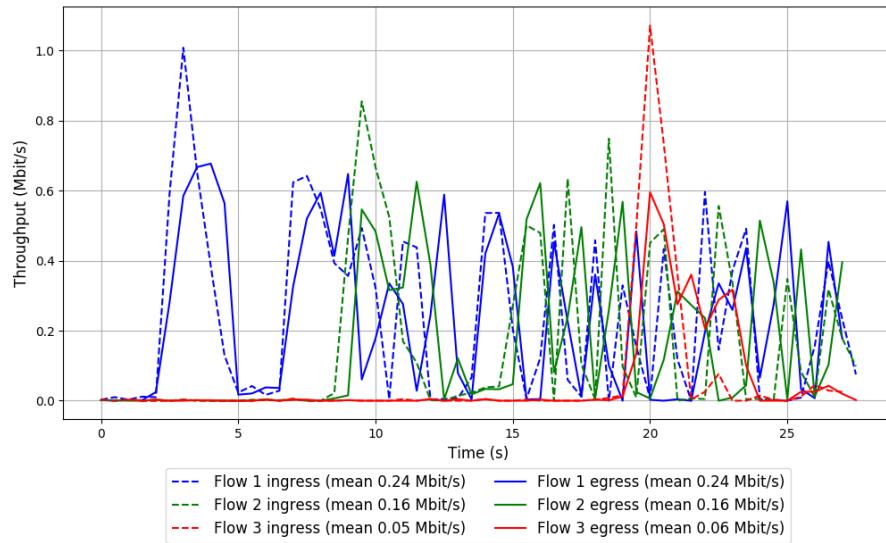


```
Run 1: Statistics of WebRTC media

Start at: 2017-08-13 06:03:16
End at: 2017-08-13 06:03:46
Local clock offset: 0.44 ms
Remote clock offset: -2.004 ms

# Below is generated by plot.py at 2017-08-13 07:38:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 1609.918 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 1618.921 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1506.856 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1890.866 ms
Loss rate: 0.44%
```

Run 1: Report of WebRTC media — Data Link

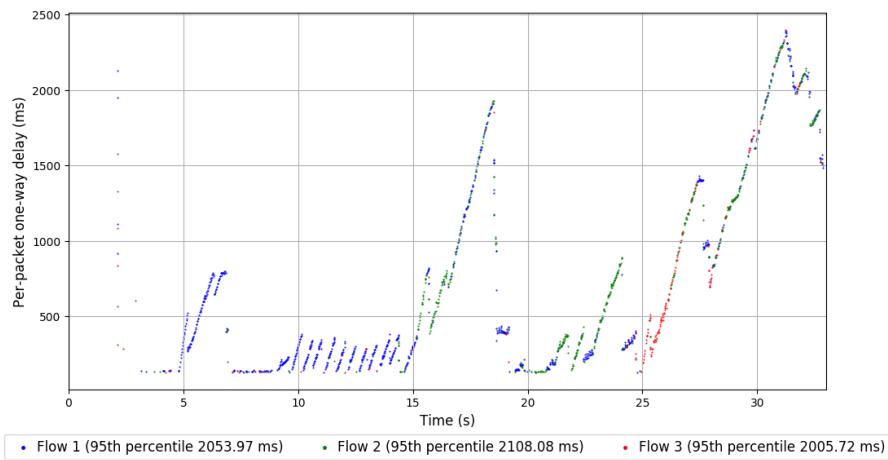
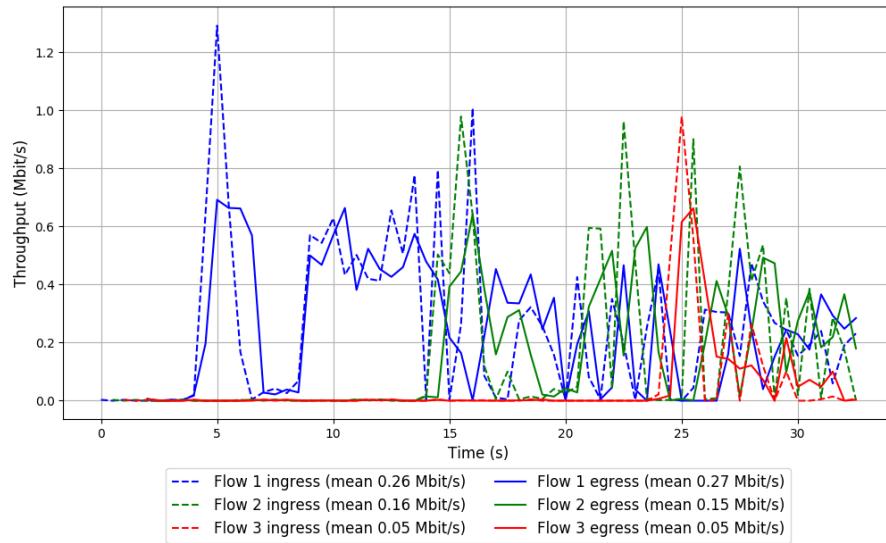


Run 2: Statistics of WebRTC media

```
Start at: 2017-08-13 06:22:00
End at: 2017-08-13 06:22:30
Local clock offset: 0.453 ms
Remote clock offset: 2.101 ms

# Below is generated by plot.py at 2017-08-13 07:38:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 2090.808 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 2053.974 ms
Loss rate: 3.29%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 2108.080 ms
Loss rate: 4.69%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2005.717 ms
Loss rate: 2.41%
```

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



```
Run 3: Statistics of WebRTC media

Start at: 2017-08-13 06:40:44
End at: 2017-08-13 06:41:14
Local clock offset: 0.41 ms
Remote clock offset: -2.664 ms

# Below is generated by plot.py at 2017-08-13 07:38:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 1578.688 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1542.232 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1582.477 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1618.407 ms
Loss rate: 1.37%
```

Run 3: Report of WebRTC media — Data Link

