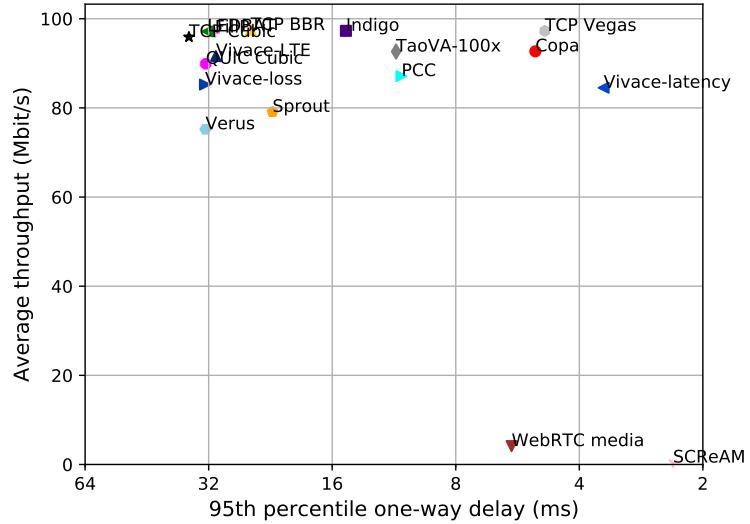


Pantheon Report

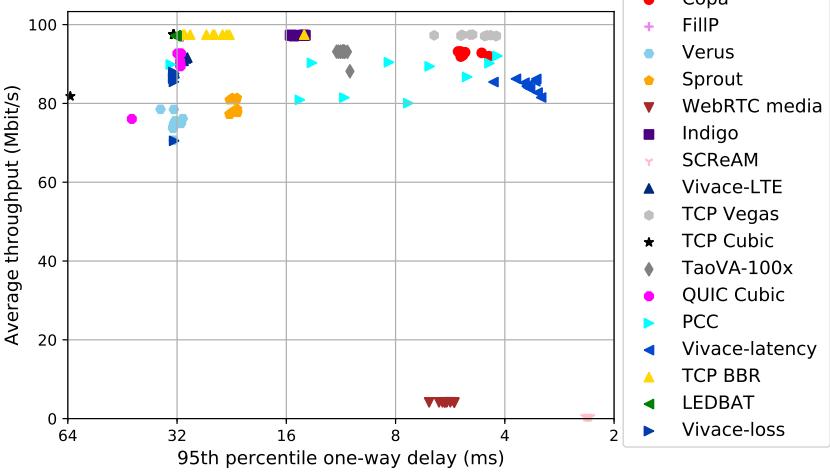
Generated at 2018-01-17 06:47:24 (UTC).
Data path: AWS Brazil 1 Ethernet (*local*) → Brazil Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (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 @ 386976fcf771de1359acd909bfb98a156d79009
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
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 @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
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



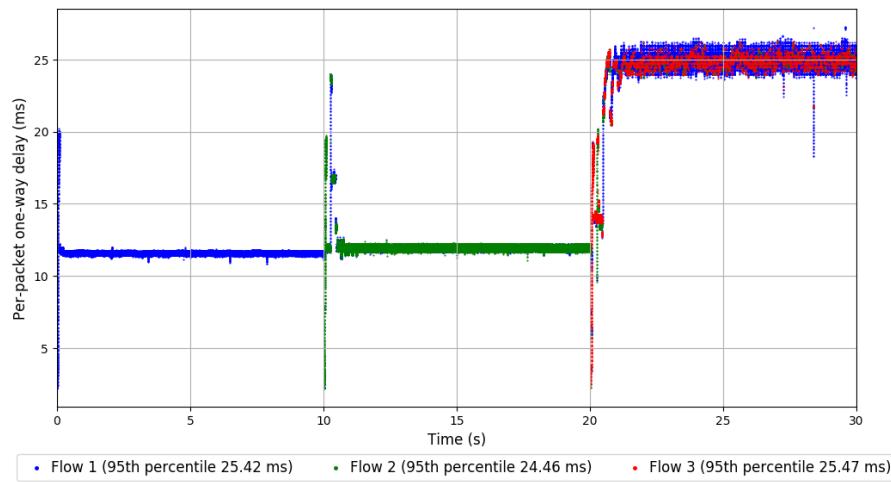
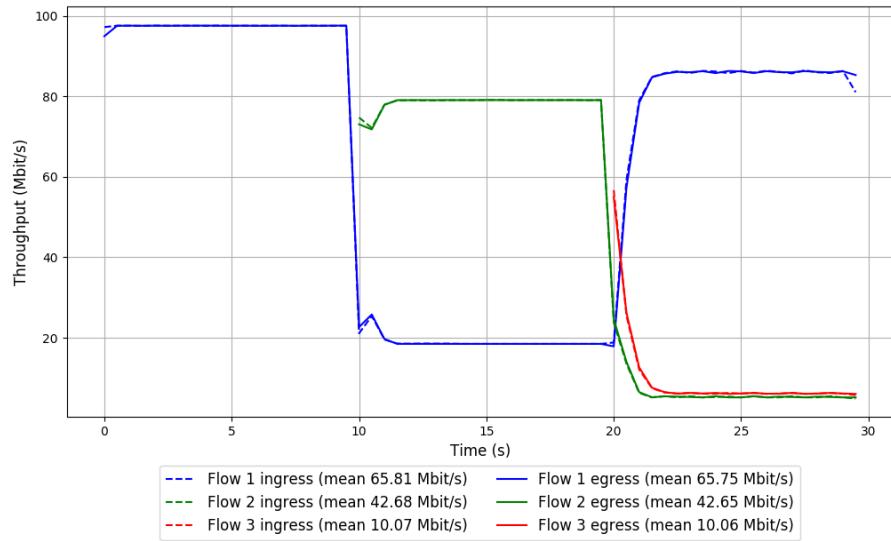
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 63.67 | 42.40 | 16.79 | 25.29 | 23.81 | 26.12 | 0.02 | 0.00 | 0.02 |
| TCP Cubic | | 61.35 | 39.08 | 25.77 | 36.09 | 32.69 | 36.40 | 0.04 | 0.07 | 0.15 |
| LEDBAT | | 62.49 | 38.29 | 30.88 | 32.21 | 32.39 | 32.43 | 0.03 | 0.05 | 0.08 |
| PCC | | 70.55 | 20.18 | 9.65 | 9.84 | 14.14 | 15.86 | 0.11 | 0.31 | 0.74 |
| QUIC Cubic | | 59.03 | 32.38 | 28.47 | 30.03 | 34.52 | 34.46 | 0.11 | 0.36 | 0.37 |
| SCReAM | | 0.22 | 0.22 | 0.22 | 2.37 | 2.36 | 2.36 | 0.00 | 0.00 | 0.00 |
| WebRTC media | | 2.32 | 1.44 | 0.37 | 5.49 | 5.93 | 7.36 | 0.01 | 0.00 | 0.00 |
| Sprout | | 42.73 | 39.21 | 31.17 | 20.95 | 22.02 | 24.46 | 0.00 | 0.00 | 0.00 |
| TaoVA-100x | | 57.09 | 39.17 | 36.64 | 10.60 | 11.76 | 15.45 | 0.02 | 0.08 | 0.29 |
| TCP Vegas | | 46.04 | 48.25 | 57.54 | 6.90 | 4.61 | 4.80 | 0.00 | 0.00 | 0.00 |
| Verus | | 44.07 | 32.90 | 28.15 | 30.75 | 33.30 | 32.68 | 12.23 | 18.10 | 20.27 |
| Copa | | 61.08 | 37.11 | 30.00 | 4.78 | 5.24 | 5.74 | 0.00 | 0.00 | 0.00 |
| FillP | | 58.73 | 41.06 | 32.87 | 30.90 | 30.92 | 30.94 | 17.81 | 23.63 | 30.04 |
| Indigo | | 55.81 | 41.63 | 42.39 | 14.05 | 15.29 | 18.23 | 0.00 | 0.00 | 0.00 |
| Vivace-latency | | 53.42 | 34.23 | 25.32 | 3.08 | 3.93 | 4.60 | 0.00 | 0.00 | 0.00 |
| Vivace-loss | | 65.20 | 23.90 | 14.34 | 563.05 | 32.37 | 32.31 | 12.13 | 12.71 | 13.20 |
| Vivace-LTE | | 57.84 | 39.15 | 23.53 | 29.64 | 30.88 | 31.15 | 0.26 | 0.27 | 0.42 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-01-17 02:38:59
End at: 2018-01-17 02:39:29
Local clock offset: 0.451 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2018-01-17 06:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 25.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 25.422 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.65 Mbit/s
95th percentile per-packet one-way delay: 24.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 25.472 ms
Loss rate: 0.00%
```

Run 1: Report of TCP BBR — Data Link

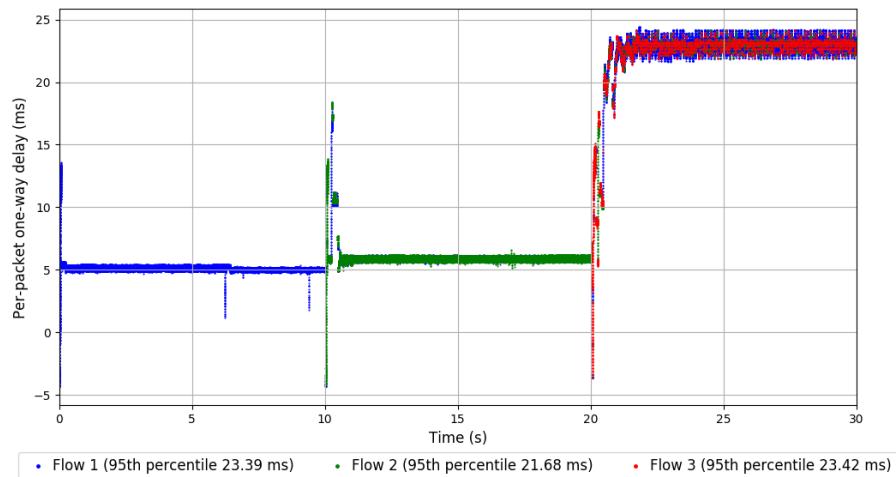
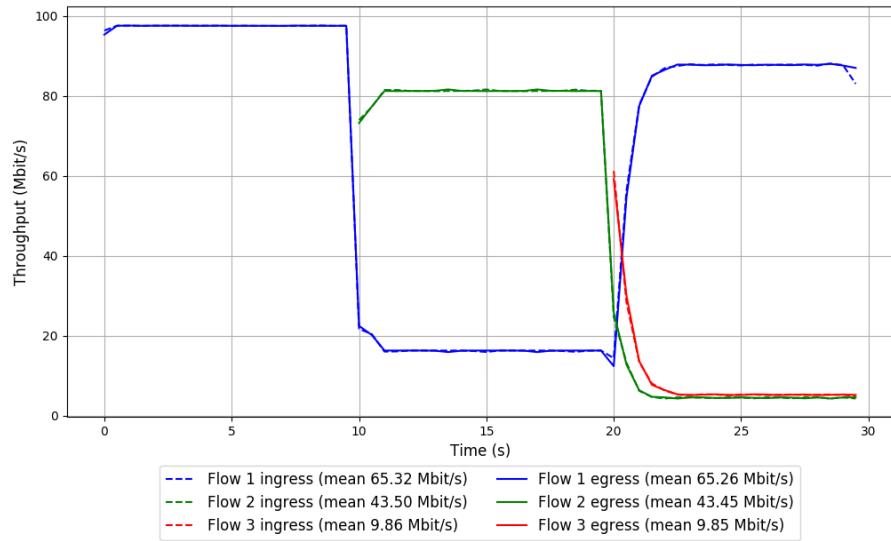


Run 2: Statistics of TCP BBR

```
Start at: 2018-01-17 02:59:42
End at: 2018-01-17 03:00:12
Local clock offset: 0.434 ms
Remote clock offset: -6.589 ms

# Below is generated by plot.py at 2018-01-17 06:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 23.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 23.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 21.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 23.416 ms
Loss rate: 0.00%
```

Run 2: Report of TCP BBR — Data Link

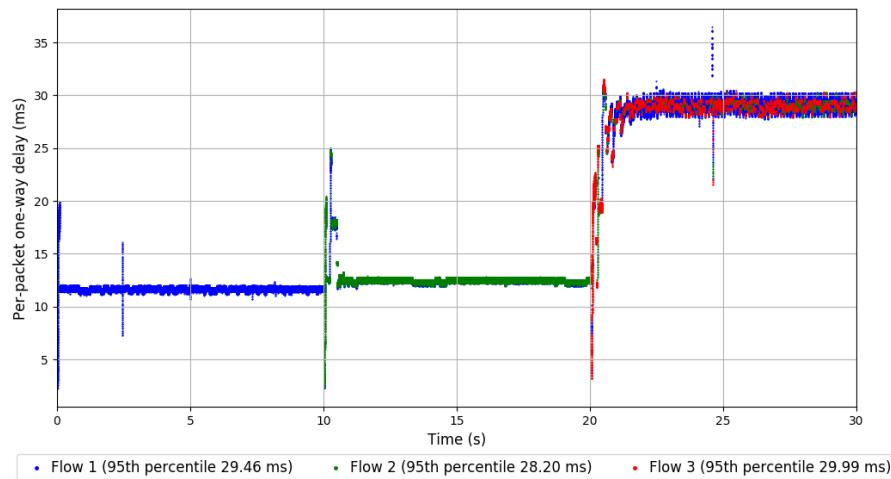
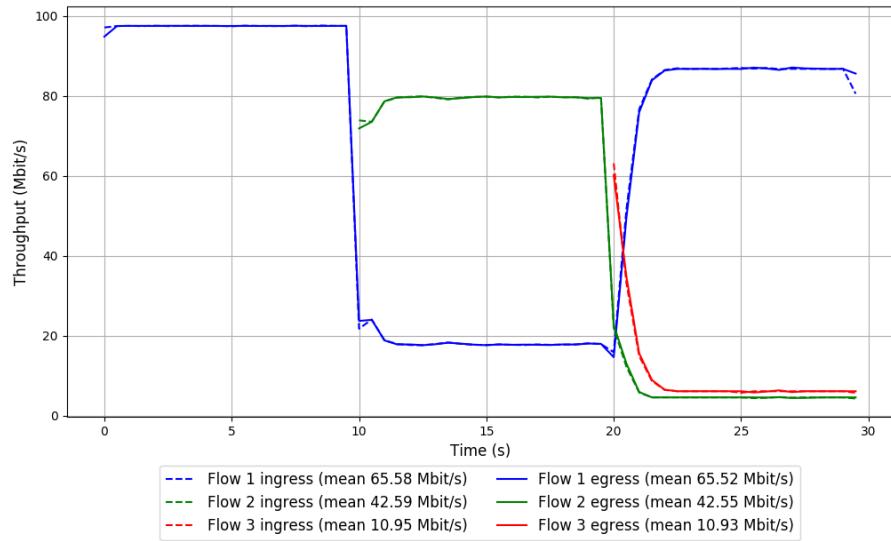


Run 3: Statistics of TCP BBR

```
Start at: 2018-01-17 03:20:23
End at: 2018-01-17 03:20:53
Local clock offset: 0.407 ms
Remote clock offset: 0.272 ms

# Below is generated by plot.py at 2018-01-17 06:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 29.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.52 Mbit/s
95th percentile per-packet one-way delay: 29.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.55 Mbit/s
95th percentile per-packet one-way delay: 28.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 29.991 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link

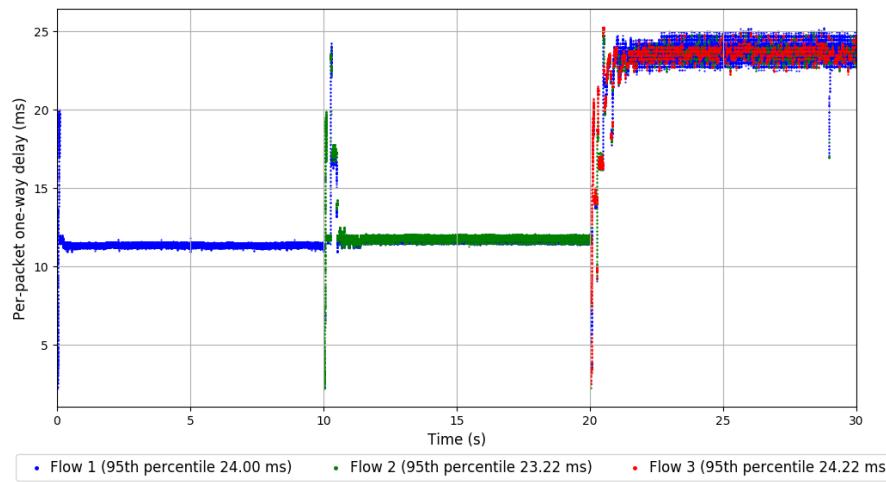
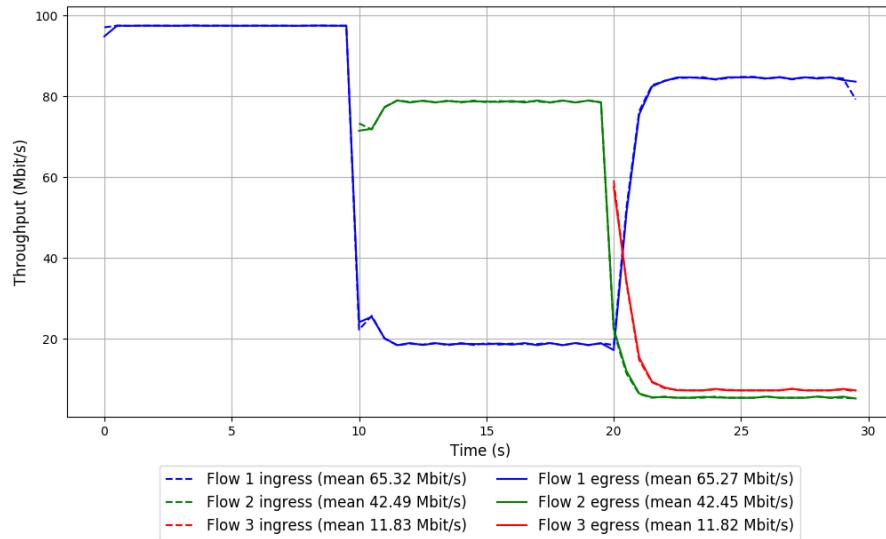


Run 4: Statistics of TCP BBR

```
Start at: 2018-01-17 03:41:07
End at: 2018-01-17 03:41:37
Local clock offset: 0.354 ms
Remote clock offset: 1.031 ms

# Below is generated by plot.py at 2018-01-17 06:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 23.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 24.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 23.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 24.220 ms
Loss rate: 0.00%
```

Run 4: Report of TCP BBR — Data Link

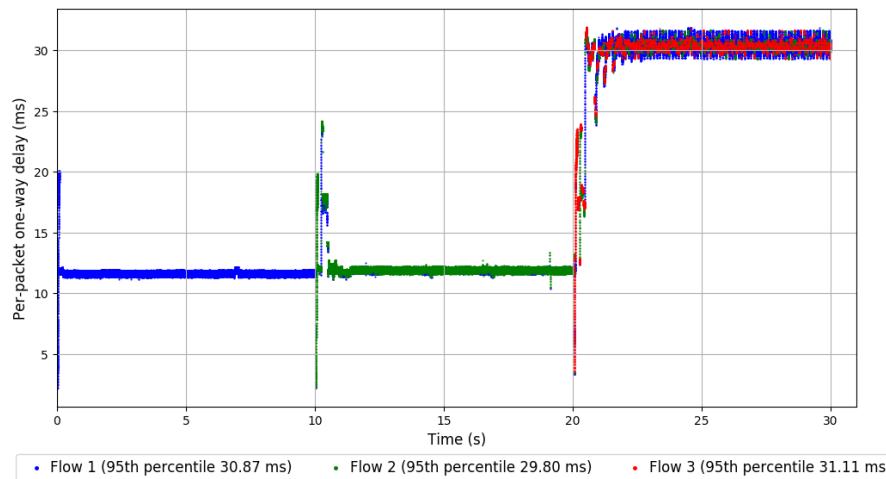
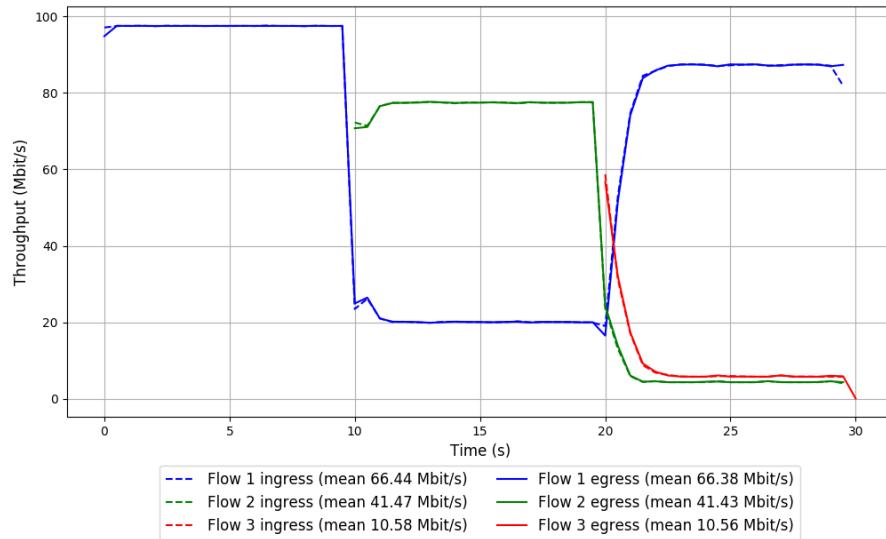


Run 5: Statistics of TCP BBR

```
Start at: 2018-01-17 04:01:51
End at: 2018-01-17 04:02:21
Local clock offset: 0.353 ms
Remote clock offset: 1.574 ms

# Below is generated by plot.py at 2018-01-17 06:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 30.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 29.795 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.56 Mbit/s
95th percentile per-packet one-way delay: 31.114 ms
Loss rate: 0.00%
```

Run 5: Report of TCP BBR — Data Link

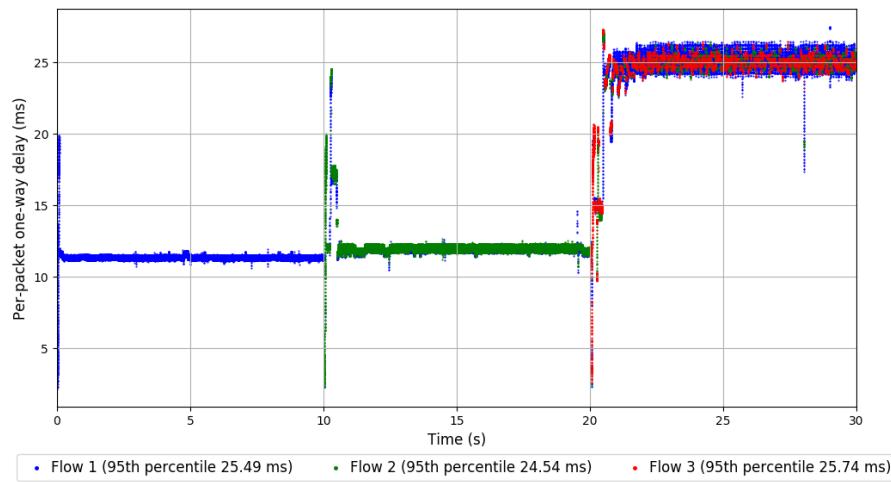
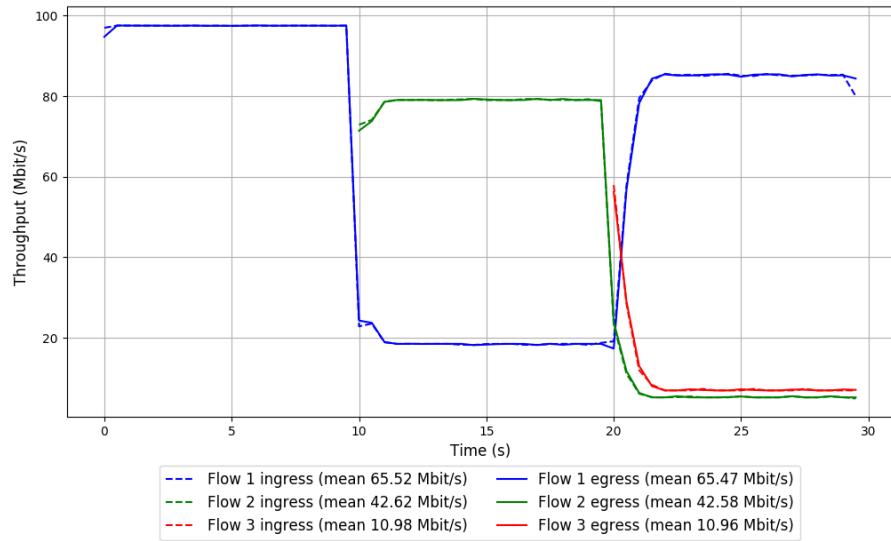


Run 6: Statistics of TCP BBR

```
Start at: 2018-01-17 04:22:35
End at: 2018-01-17 04:23:05
Local clock offset: 0.346 ms
Remote clock offset: 1.76 ms

# Below is generated by plot.py at 2018-01-17 06:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 25.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.47 Mbit/s
95th percentile per-packet one-way delay: 25.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 24.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 25.737 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link

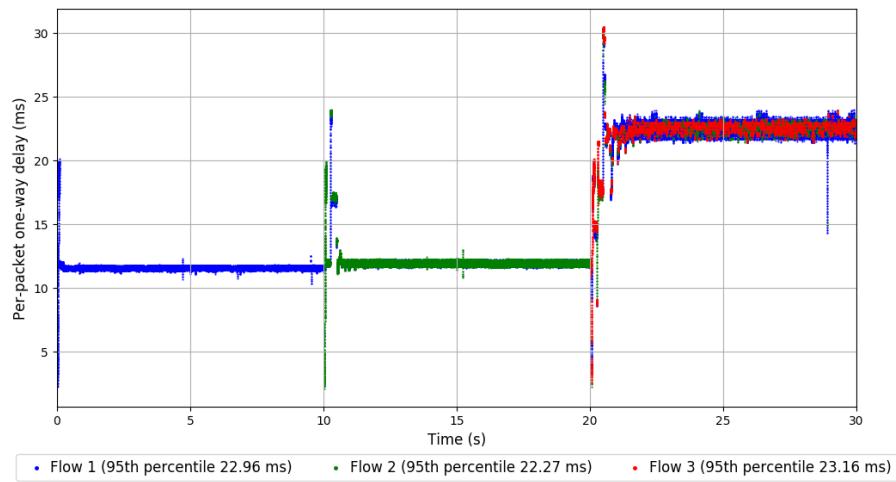
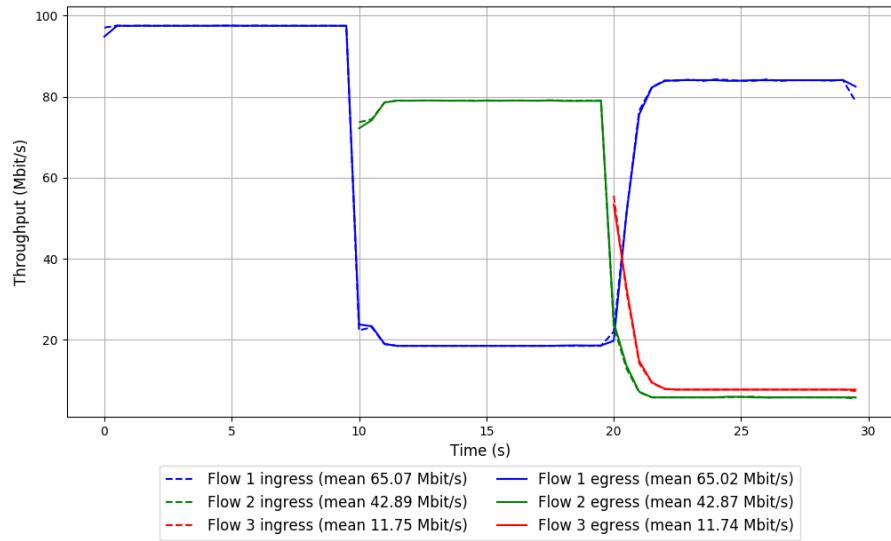


Run 7: Statistics of TCP BBR

```
Start at: 2018-01-17 04:43:19
End at: 2018-01-17 04:43:49
Local clock offset: 0.362 ms
Remote clock offset: 1.746 ms

# Below is generated by plot.py at 2018-01-17 06:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 22.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 22.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 22.268 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 23.163 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link

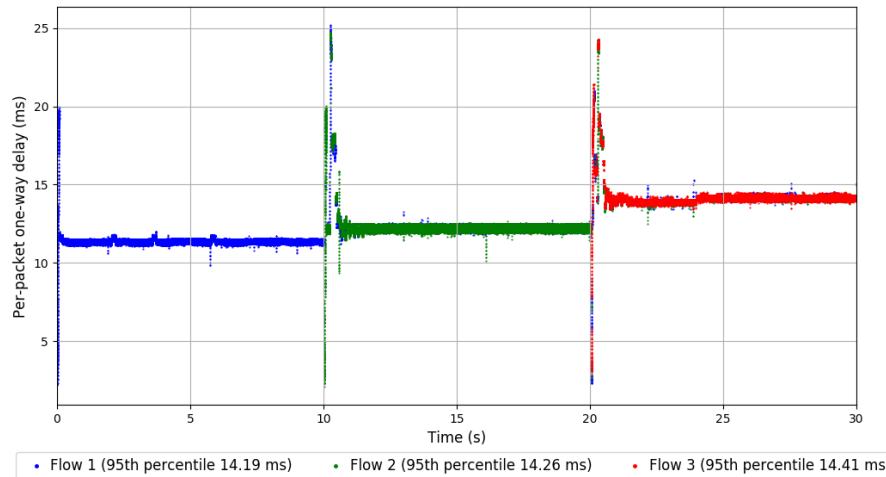
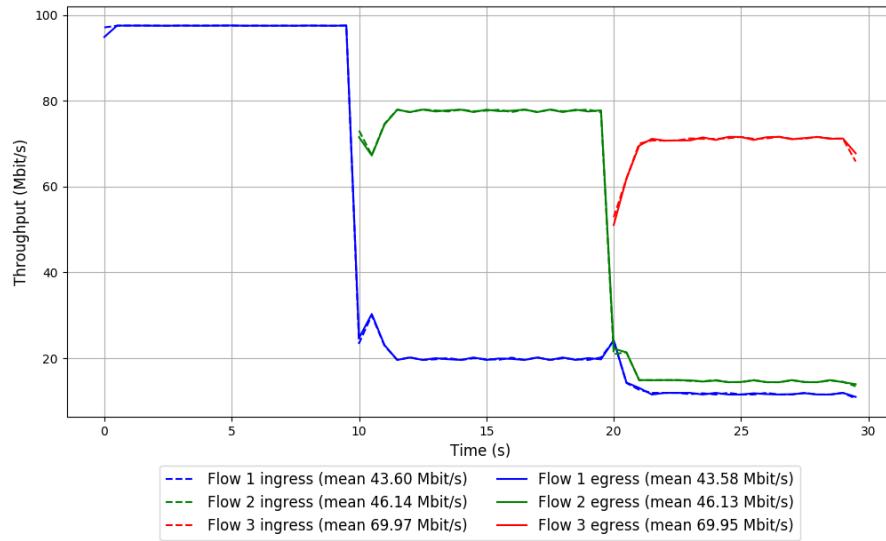


Run 8: Statistics of TCP BBR

```
Start at: 2018-01-17 05:04:03
End at: 2018-01-17 05:04:33
Local clock offset: 0.352 ms
Remote clock offset: 1.4 ms

# Below is generated by plot.py at 2018-01-17 06:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 14.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 14.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 14.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 14.415 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

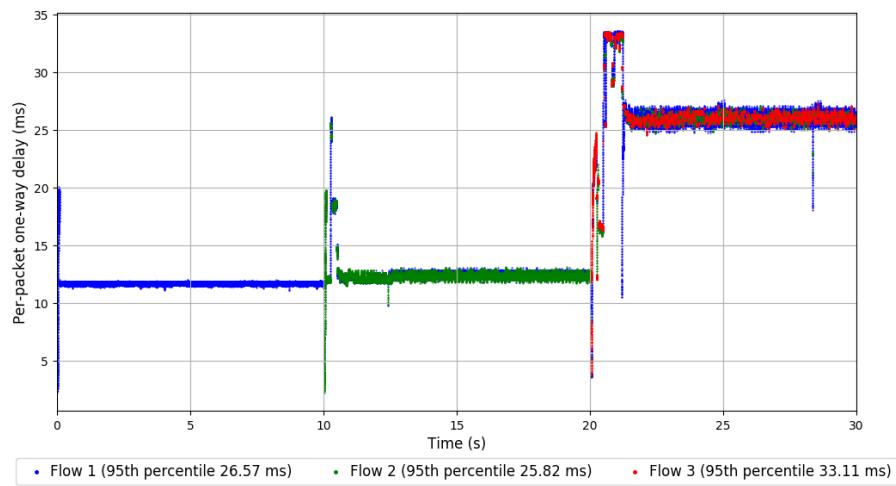
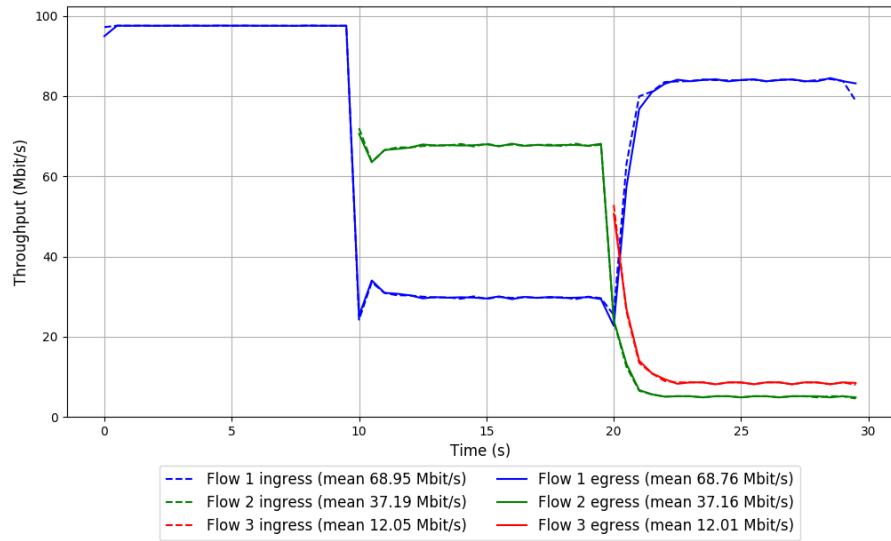


Run 9: Statistics of TCP BBR

```
Start at: 2018-01-17 05:24:46
End at: 2018-01-17 05:25:16
Local clock offset: 0.207 ms
Remote clock offset: 1.041 ms

# Below is generated by plot.py at 2018-01-17 06:16:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 26.562 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 26.570 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 25.823 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 33.114 ms
Loss rate: 0.18%
```

Run 9: Report of TCP BBR — Data Link

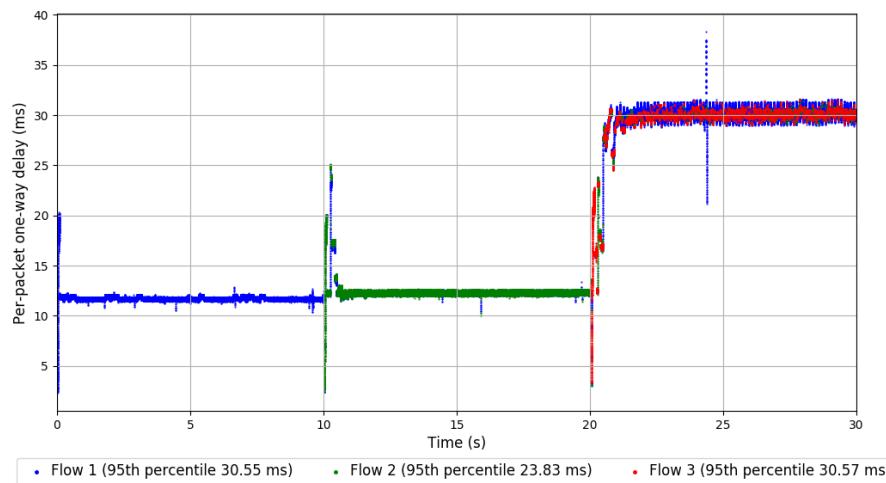
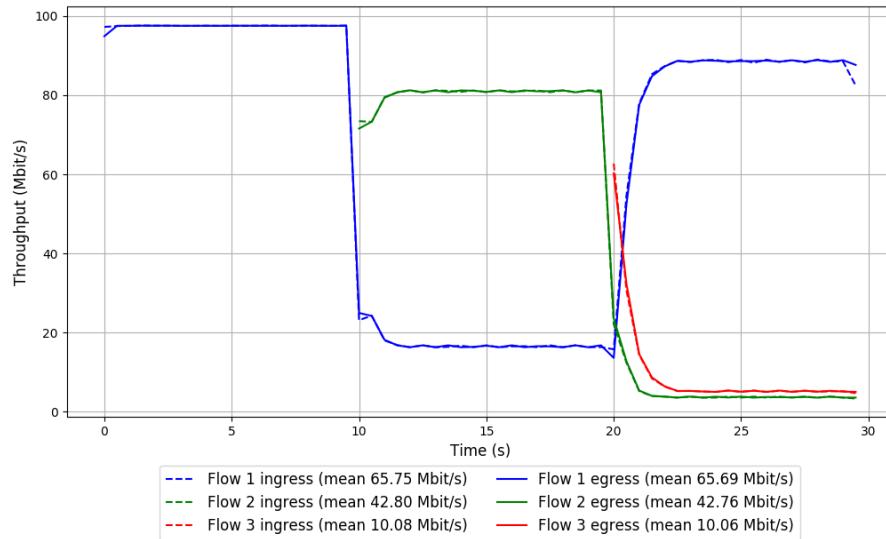


Run 10: Statistics of TCP BBR

```
Start at: 2018-01-17 05:45:30
End at: 2018-01-17 05:46:00
Local clock offset: 0.213 ms
Remote clock offset: 0.565 ms

# Below is generated by plot.py at 2018-01-17 06:16:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 30.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.69 Mbit/s
95th percentile per-packet one-way delay: 30.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 23.832 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 30.574 ms
Loss rate: 0.00%
```

Run 10: Report of TCP BBR — Data Link

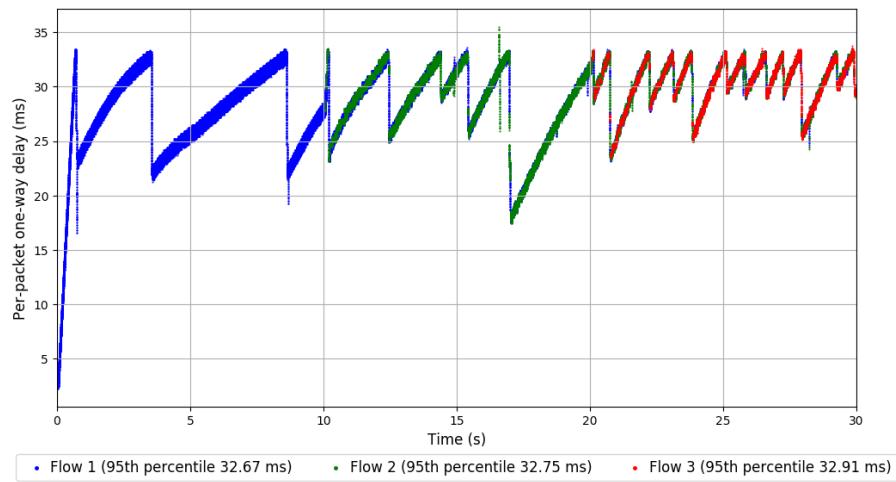
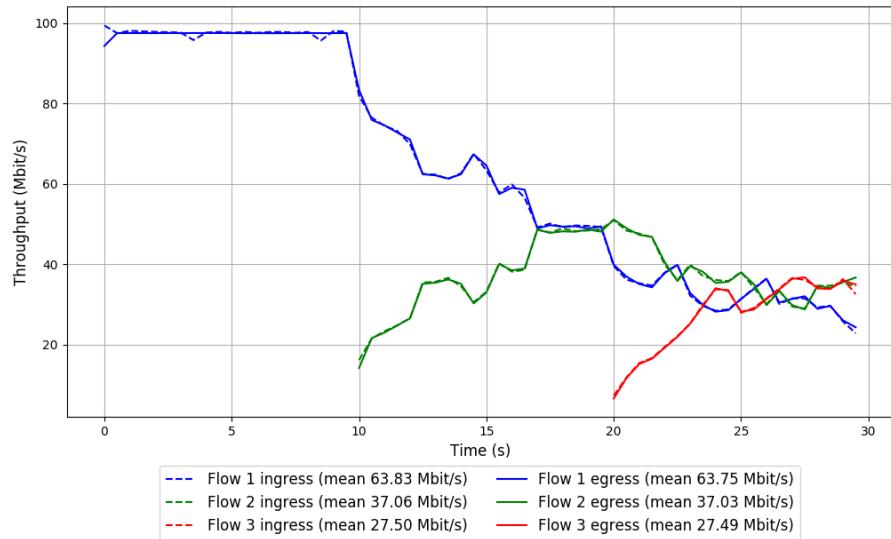


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-01-17 02:26:16
End at: 2018-01-17 02:26:46
Local clock offset: 0.445 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-01-17 06:16:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.718 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 32.675 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 32.748 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 27.49 Mbit/s
95th percentile per-packet one-way delay: 32.907 ms
Loss rate: 0.05%
```

Run 1: Report of TCP Cubic — Data Link

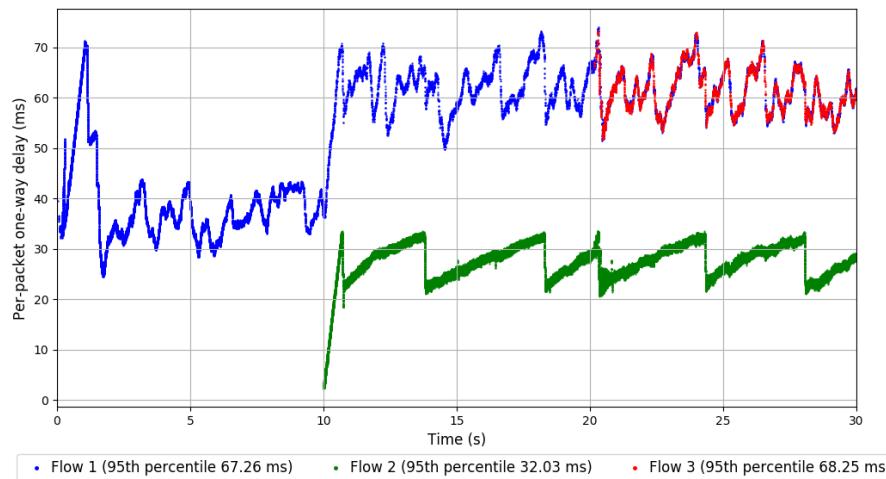
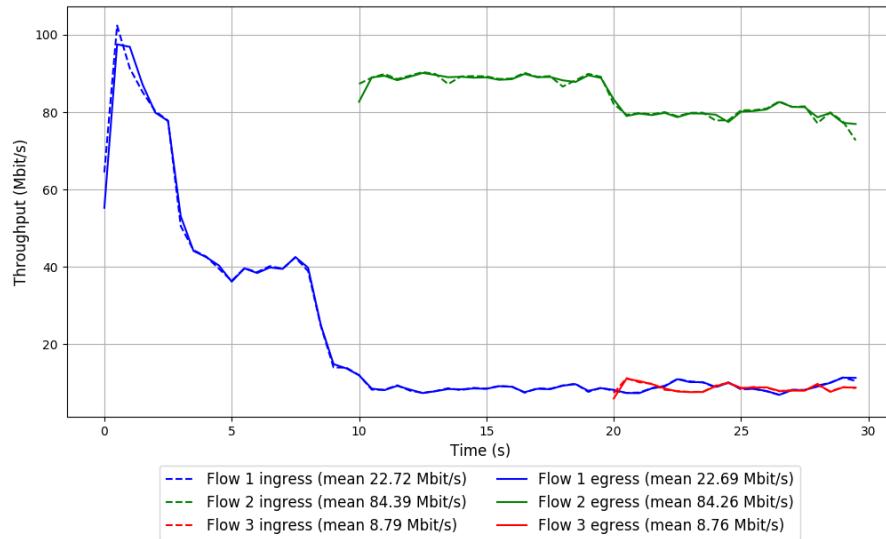


Run 2: Statistics of TCP Cubic

```
Start at: 2018-01-17 02:46:58
End at: 2018-01-17 02:47:28
Local clock offset: 0.434 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-01-17 06:16:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 62.979 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 67.264 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 68.247 ms
Loss rate: 0.71%
```

Run 2: Report of TCP Cubic — Data Link

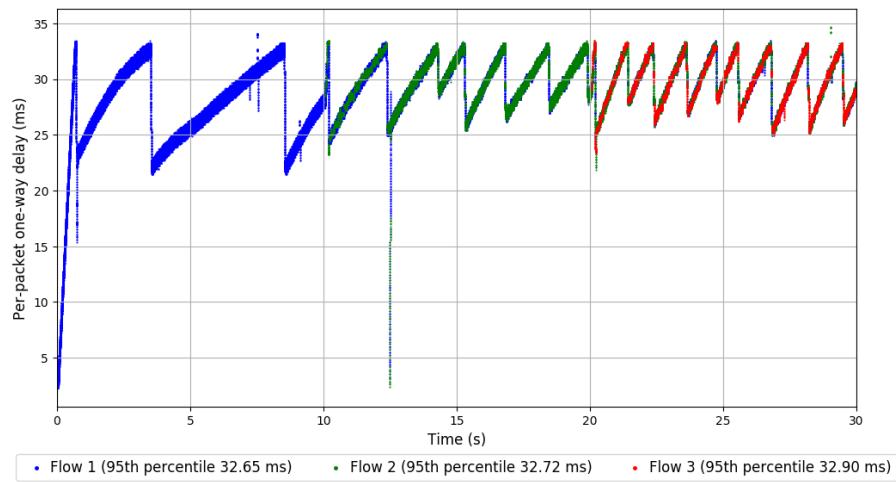
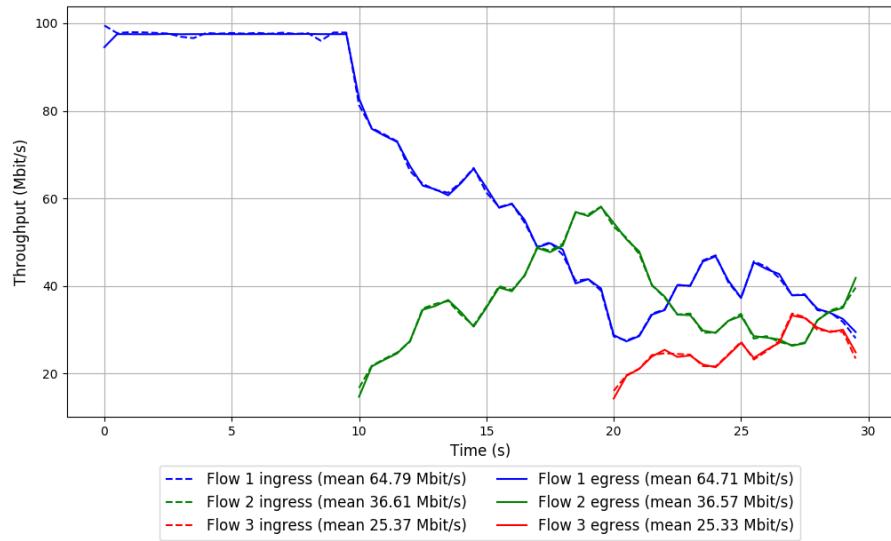


Run 3: Statistics of TCP Cubic

```
Start at: 2018-01-17 03:07:41
End at: 2018-01-17 03:08:11
Local clock offset: 0.374 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-01-17 06:16:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.693 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 32.650 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 32.719 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 32.904 ms
Loss rate: 0.14%
```

Run 3: Report of TCP Cubic — Data Link

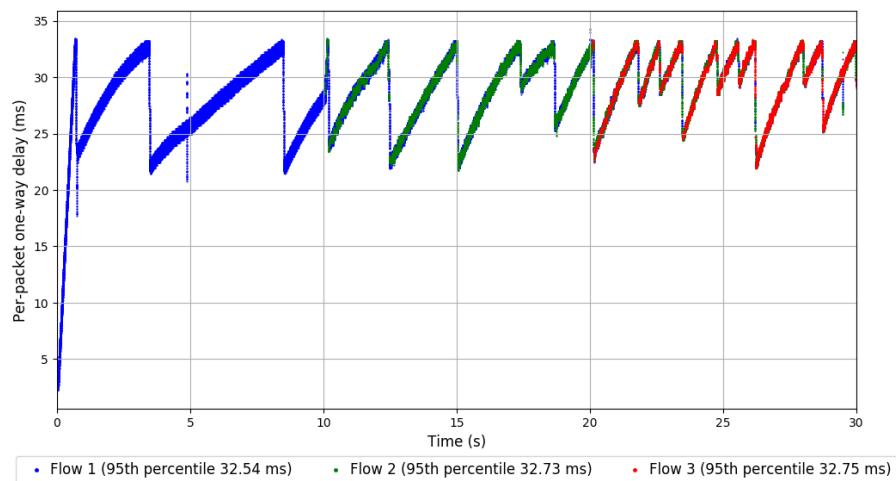
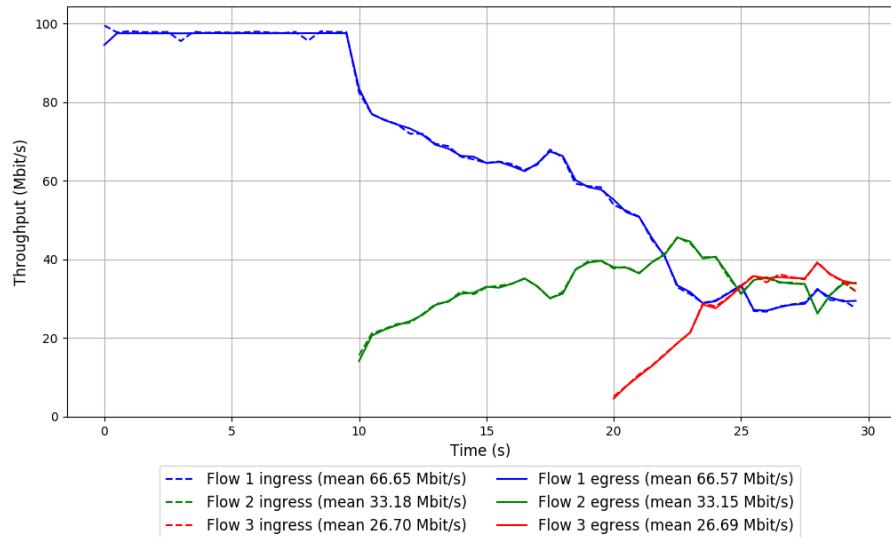


Run 4: Statistics of TCP Cubic

```
Start at: 2018-01-17 03:28:22
End at: 2018-01-17 03:28:52
Local clock offset: 0.376 ms
Remote clock offset: 0.476 ms

# Below is generated by plot.py at 2018-01-17 06:16:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 32.539 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 32.725 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 32.748 ms
Loss rate: 0.05%
```

Run 4: Report of TCP Cubic — Data Link

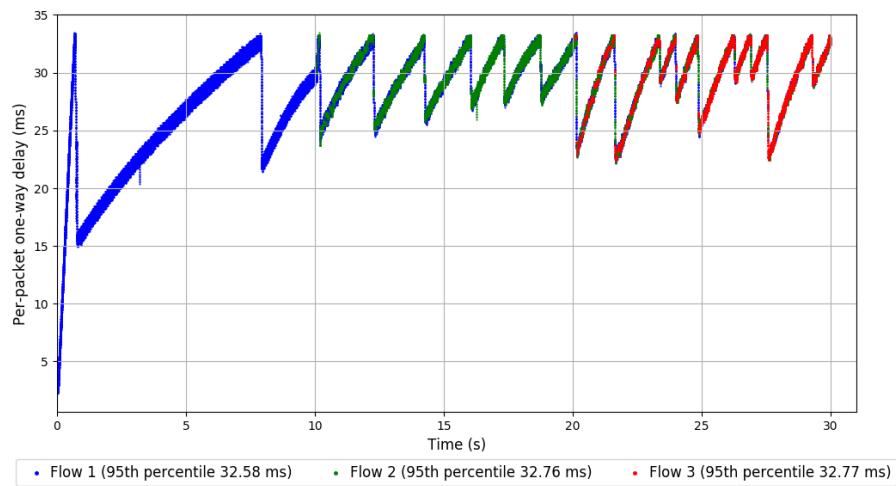
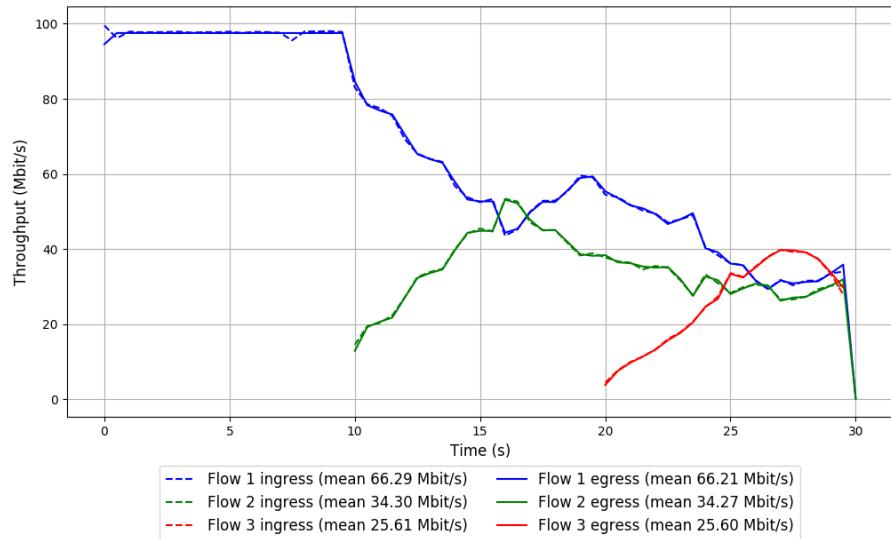


Run 5: Statistics of TCP Cubic

```
Start at: 2018-01-17 03:49:06
End at: 2018-01-17 03:49:36
Local clock offset: 0.34 ms
Remote clock offset: 1.283 ms

# Below is generated by plot.py at 2018-01-17 06:16:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.696 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 32.577 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 32.759 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 32.771 ms
Loss rate: 0.07%
```

Run 5: Report of TCP Cubic — Data Link

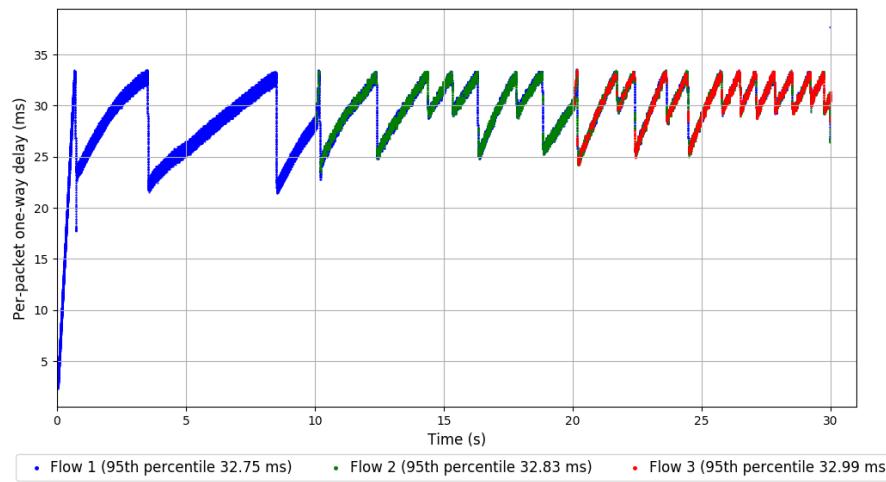
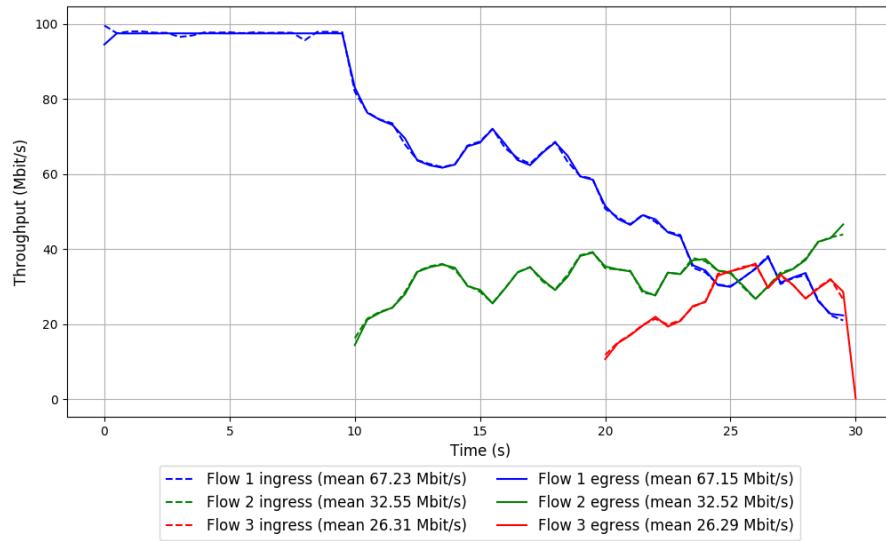


Run 6: Statistics of TCP Cubic

```
Start at: 2018-01-17 04:09:50
End at: 2018-01-17 04:10:20
Local clock offset: 0.302 ms
Remote clock offset: 1.797 ms

# Below is generated by plot.py at 2018-01-17 06:16:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.788 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 32.748 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 32.828 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 32.994 ms
Loss rate: 0.08%
```

Run 6: Report of TCP Cubic — Data Link

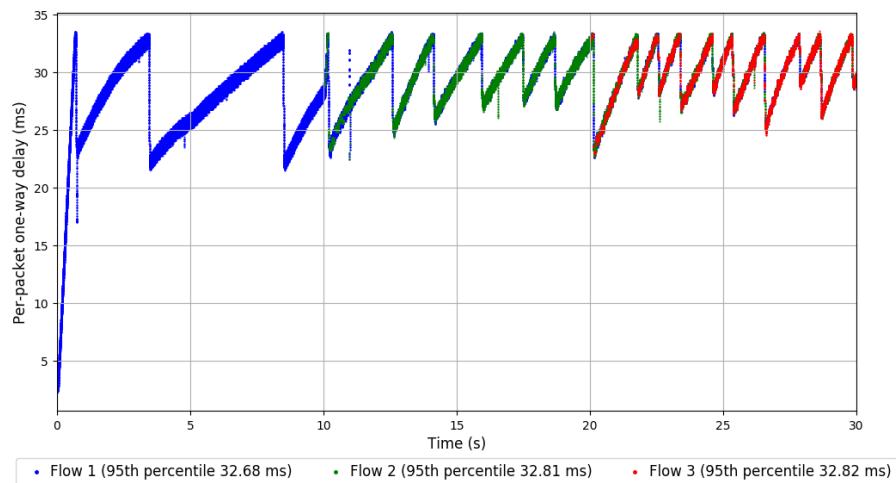
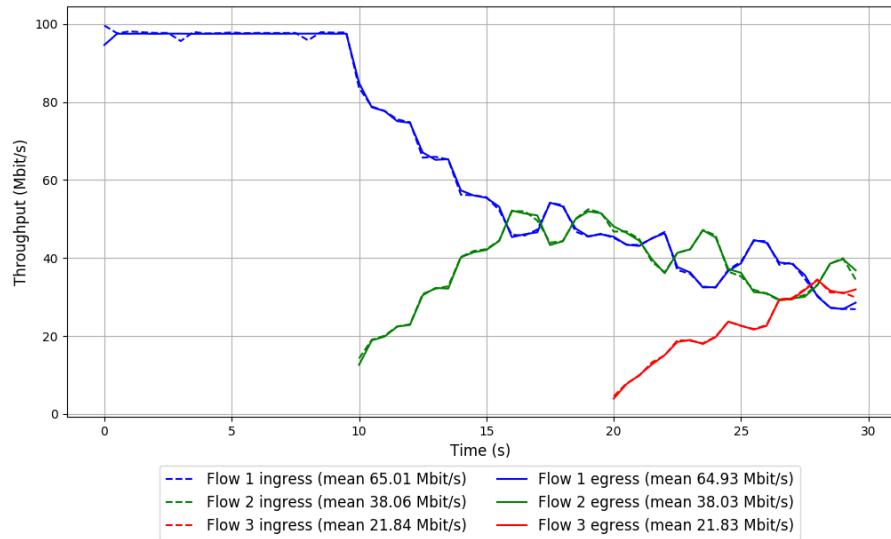


Run 7: Statistics of TCP Cubic

```
Start at: 2018-01-17 04:30:34
End at: 2018-01-17 04:31:04
Local clock offset: 0.294 ms
Remote clock offset: 1.741 ms

# Below is generated by plot.py at 2018-01-17 06:17:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.769 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 32.681 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 32.813 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 32.817 ms
Loss rate: 0.07%
```

Run 7: Report of TCP Cubic — Data Link

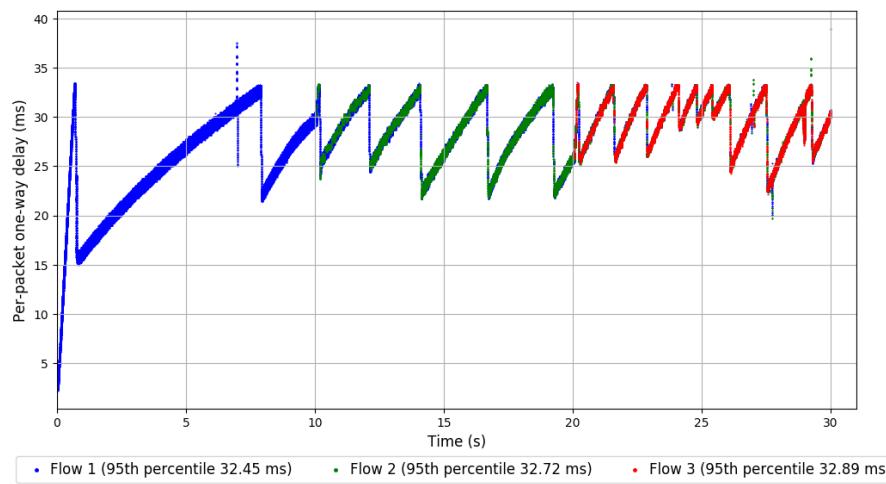
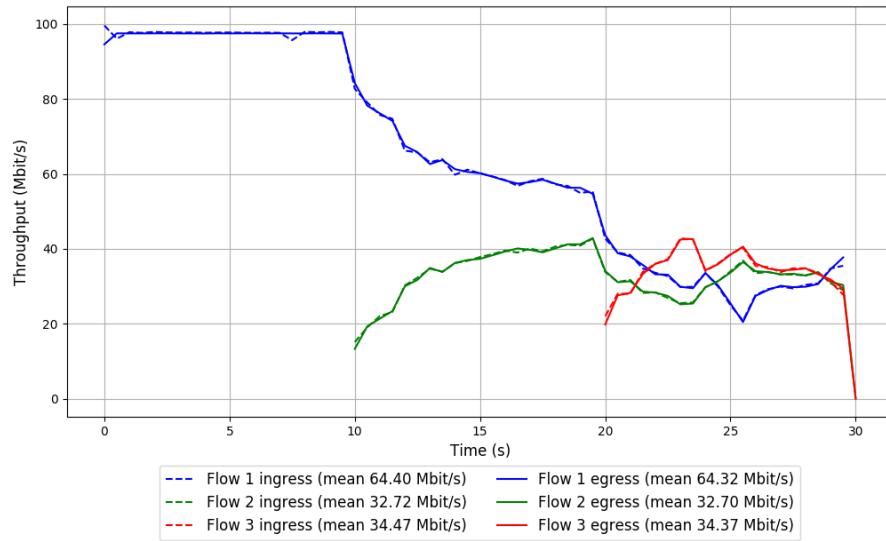


Run 8: Statistics of TCP Cubic

```
Start at: 2018-01-17 04:51:18
End at: 2018-01-17 04:51:48
Local clock offset: 0.354 ms
Remote clock offset: 1.598 ms

# Below is generated by plot.py at 2018-01-17 06:17:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 32.619 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.32 Mbit/s
95th percentile per-packet one-way delay: 32.449 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 32.723 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 32.893 ms
Loss rate: 0.14%
```

Run 8: Report of TCP Cubic — Data Link

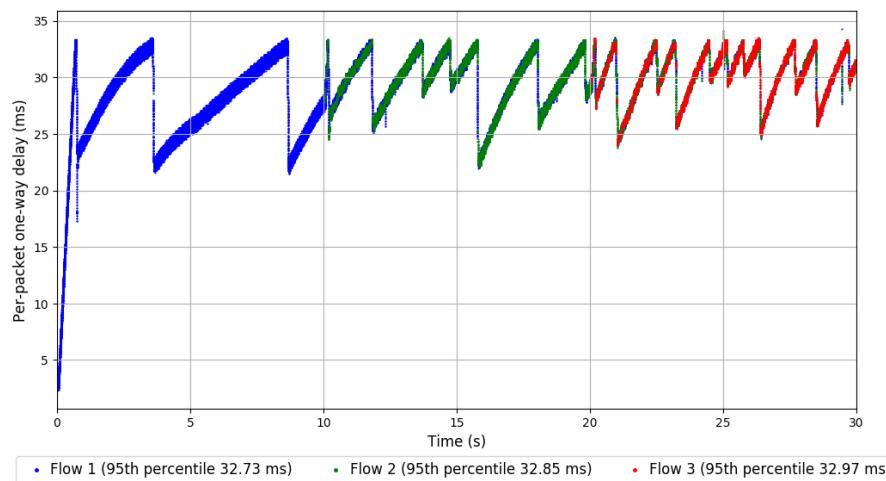
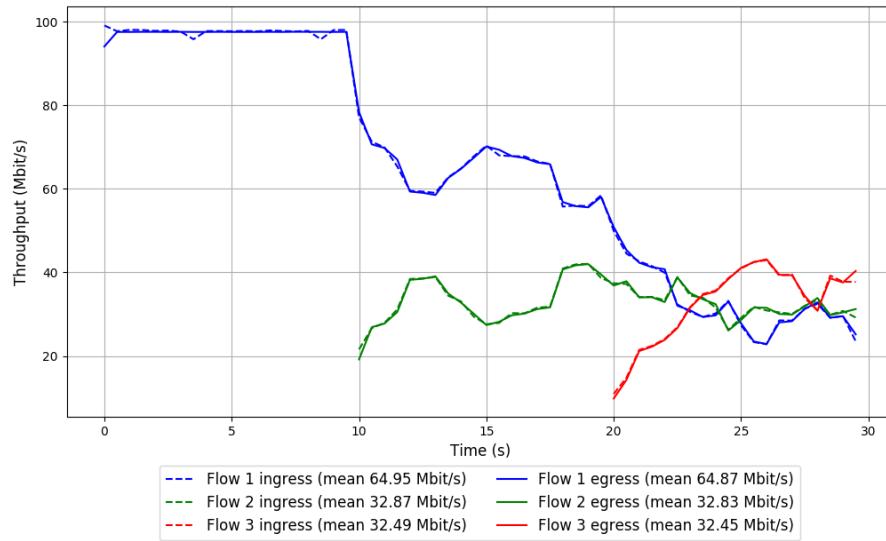


Run 9: Statistics of TCP Cubic

```
Start at: 2018-01-17 05:12:02
End at: 2018-01-17 05:12:32
Local clock offset: 0.275 ms
Remote clock offset: 1.253 ms

# Below is generated by plot.py at 2018-01-17 06:17:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.783 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 32.726 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 32.852 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 32.972 ms
Loss rate: 0.10%
```

Run 9: Report of TCP Cubic — Data Link

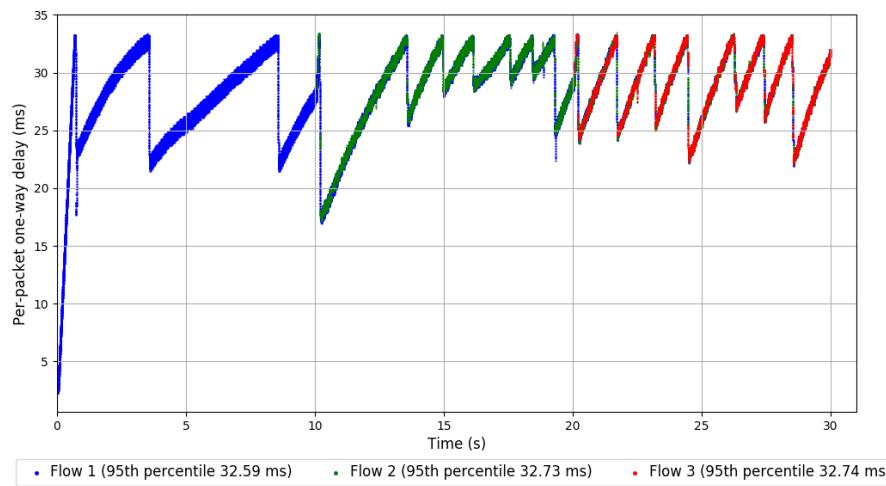
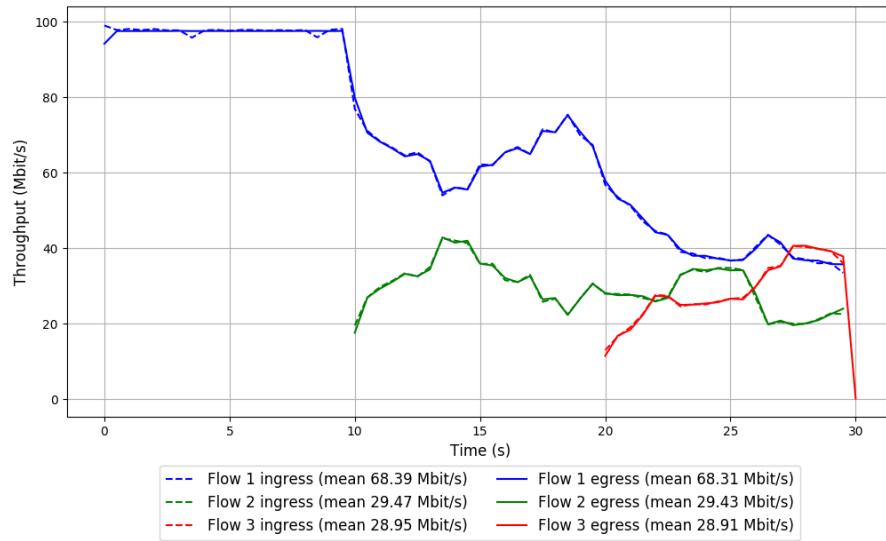


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-01-17 05:32:45
End at: 2018-01-17 05:33:15
Local clock offset: 0.291 ms
Remote clock offset: 0.857 ms

# Below is generated by plot.py at 2018-01-17 06:17:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.673 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 32.589 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 32.730 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 32.740 ms
Loss rate: 0.12%
```

Run 10: Report of TCP Cubic — Data Link

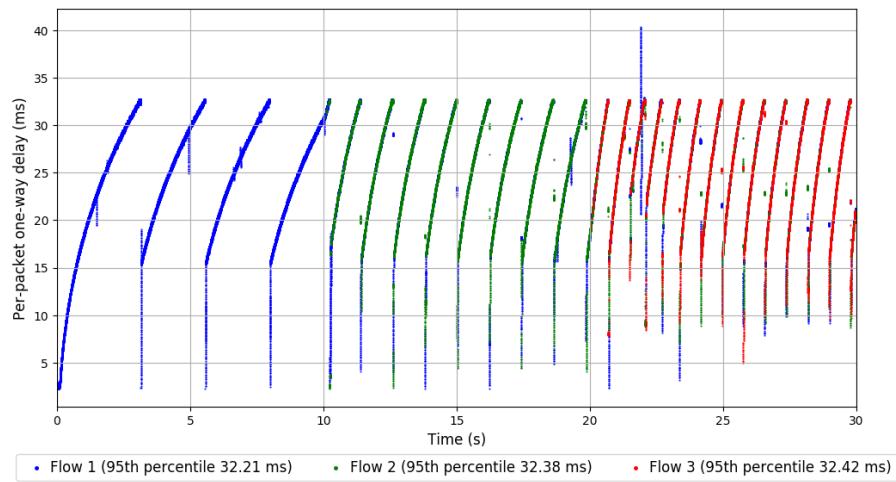
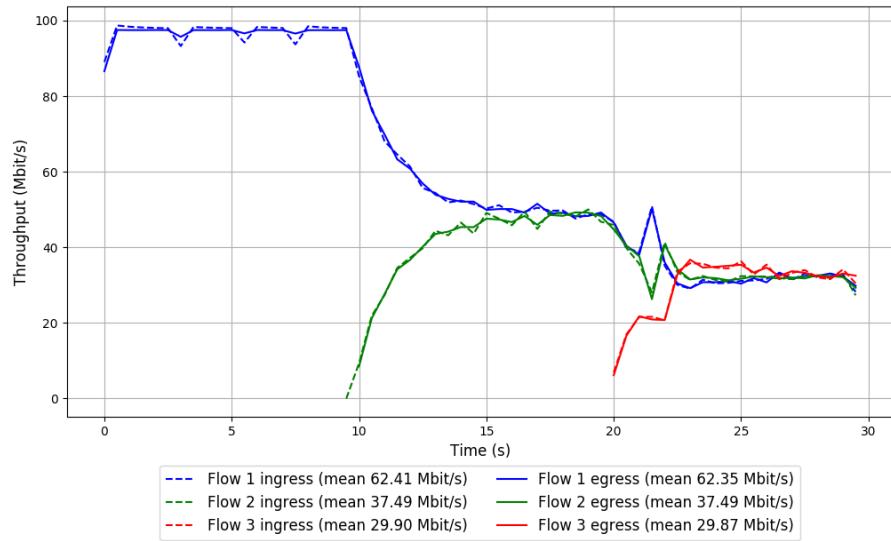


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-17 02:28:37
End at: 2018-01-17 02:29:07
Local clock offset: 0.441 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-01-17 06:17:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.238 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 32.207 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 32.380 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 32.417 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link

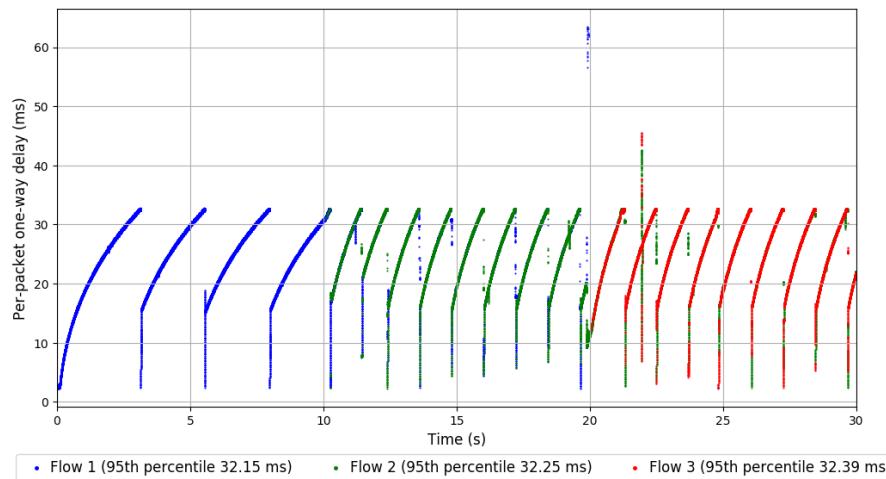
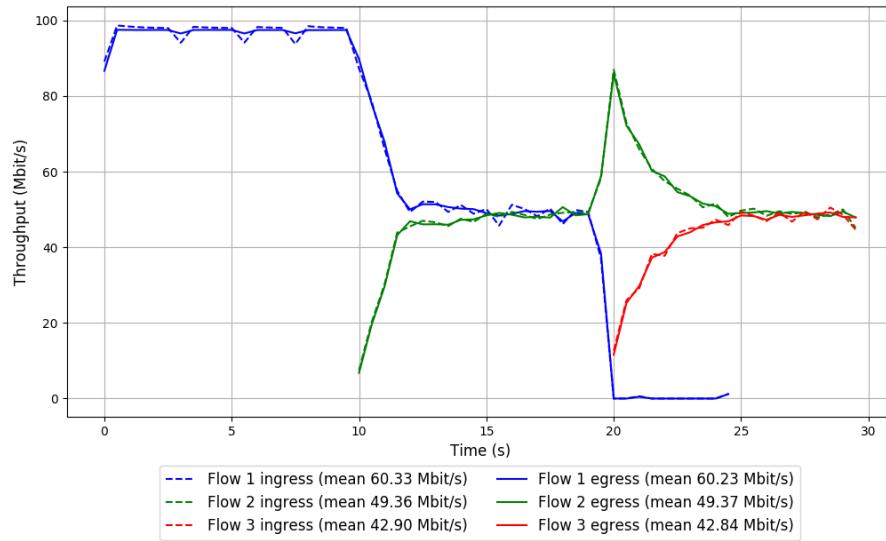


Run 2: Statistics of LEDBAT

```
Start at: 2018-01-17 02:49:18
End at: 2018-01-17 02:49:48
Local clock offset: 0.448 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-01-17 06:18:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.222 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 32.149 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 32.394 ms
Loss rate: 0.05%
```

Run 2: Report of LEDBAT — Data Link

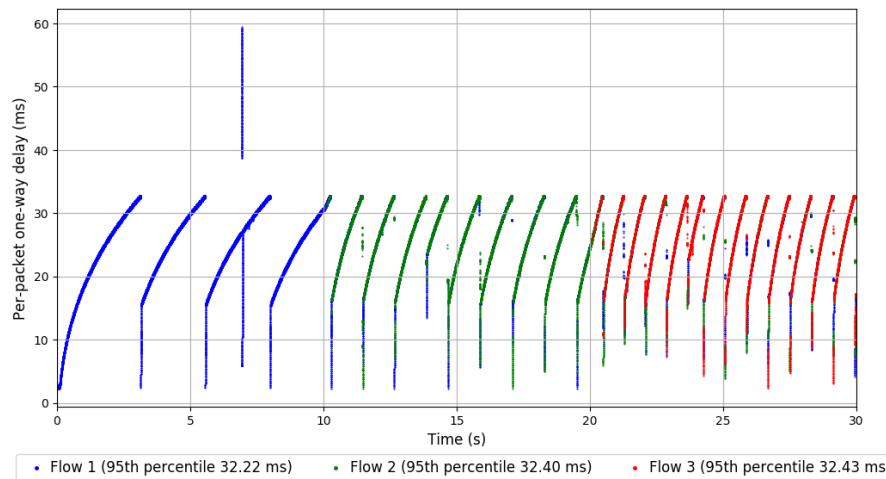
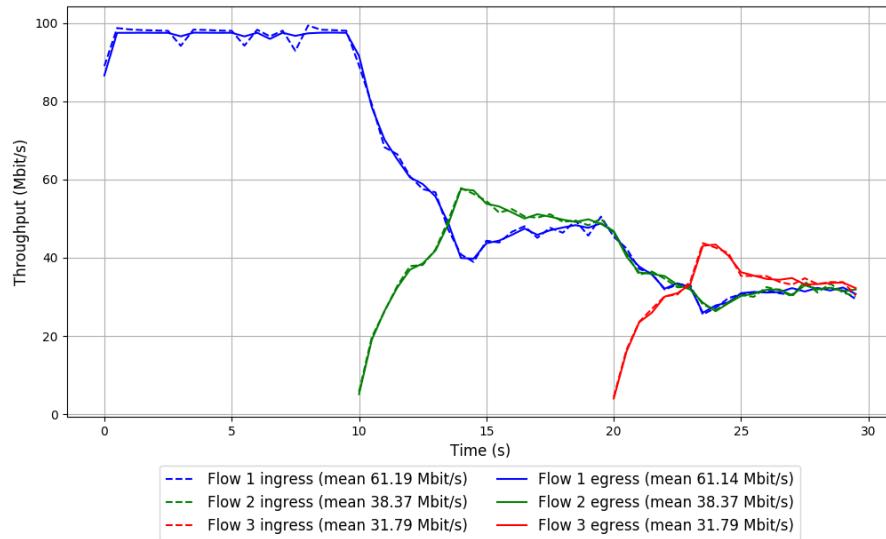


Run 3: Statistics of LEDBAT

```
Start at: 2018-01-17 03:10:02
End at: 2018-01-17 03:10:32
Local clock offset: 0.418 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2018-01-17 06:18:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.265 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 32.216 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 32.398 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 32.431 ms
Loss rate: 0.07%
```

Run 3: Report of LEDBAT — Data Link

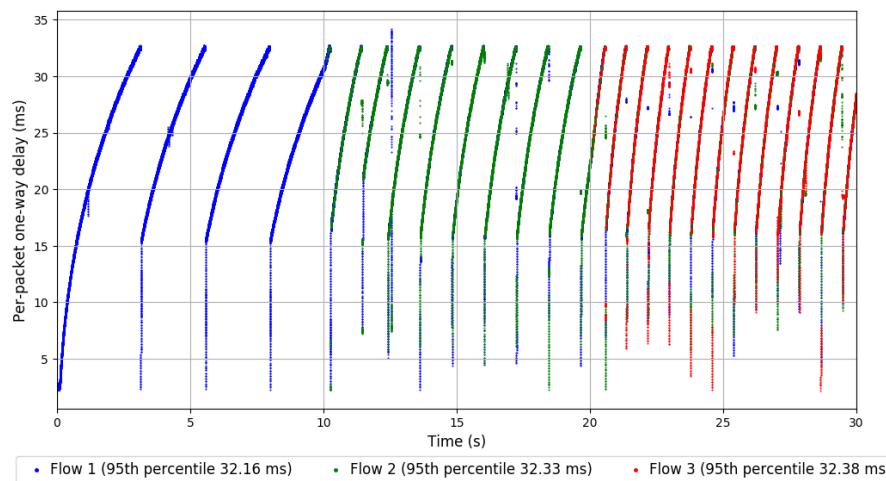
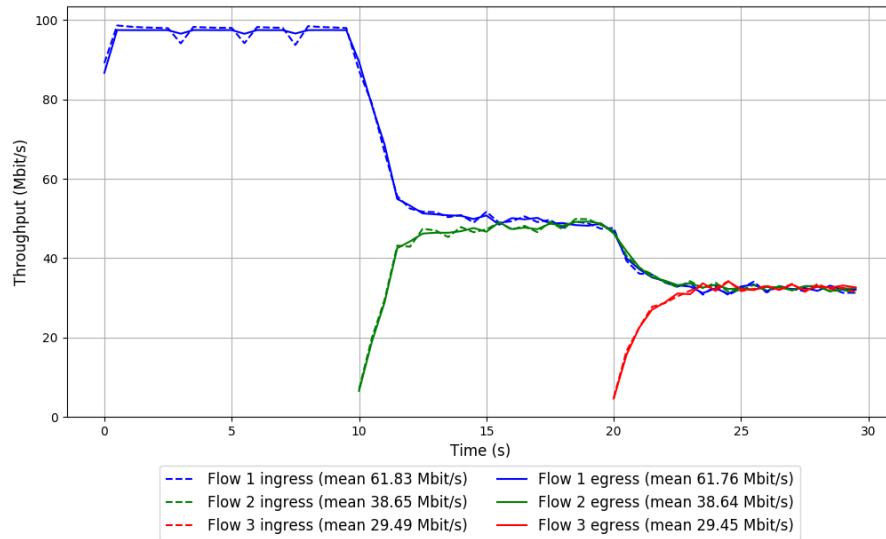


Run 4: Statistics of LEDBAT

```
Start at: 2018-01-17 03:30:43
End at: 2018-01-17 03:31:13
Local clock offset: 0.394 ms
Remote clock offset: 0.578 ms

# Below is generated by plot.py at 2018-01-17 06:18:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 32.187 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 32.160 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 32.334 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 32.376 ms
Loss rate: 0.07%
```

Run 4: Report of LEDBAT — Data Link

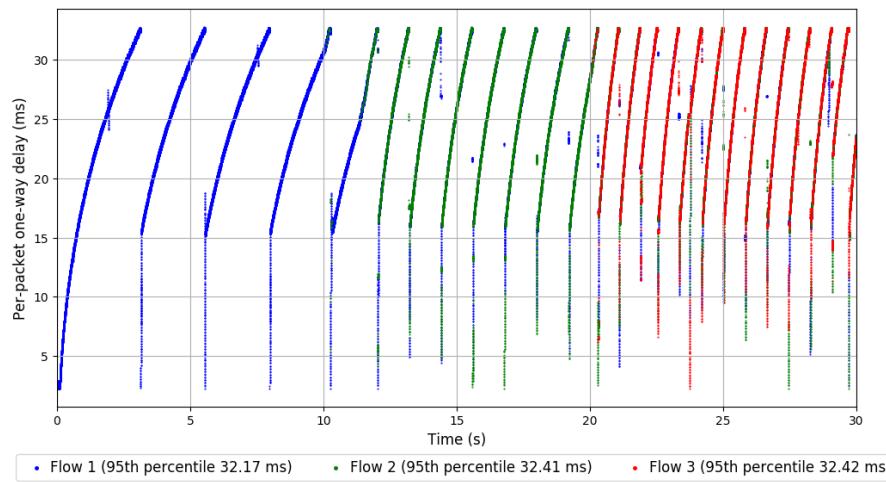
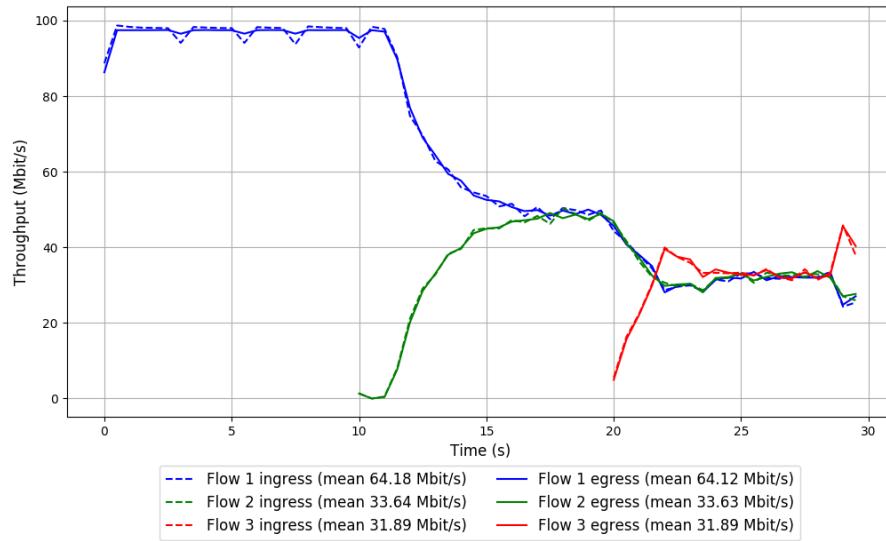


Run 5: Statistics of LEDBAT

```
Start at: 2018-01-17 03:51:27
End at: 2018-01-17 03:51:57
Local clock offset: 0.341 ms
Remote clock offset: 1.356 ms

# Below is generated by plot.py at 2018-01-17 06:19:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 32.225 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 32.175 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 32.407 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 32.419 ms
Loss rate: 0.07%
```

Run 5: Report of LEDBAT — Data Link

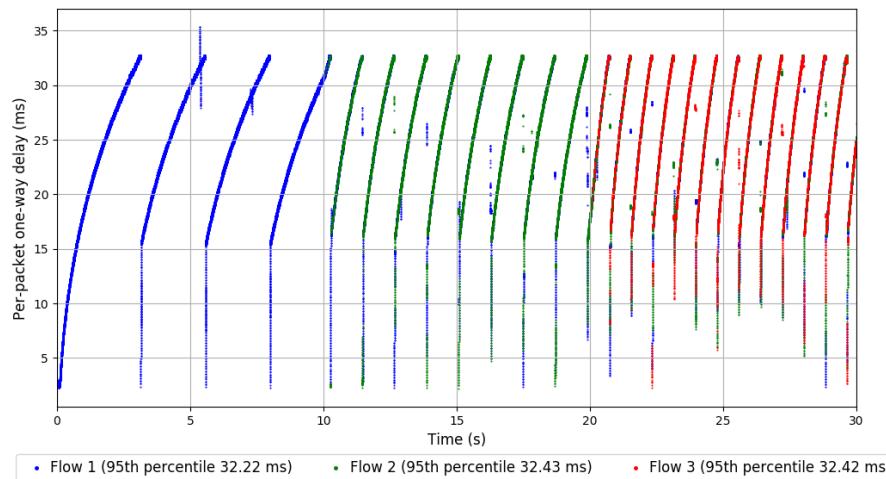
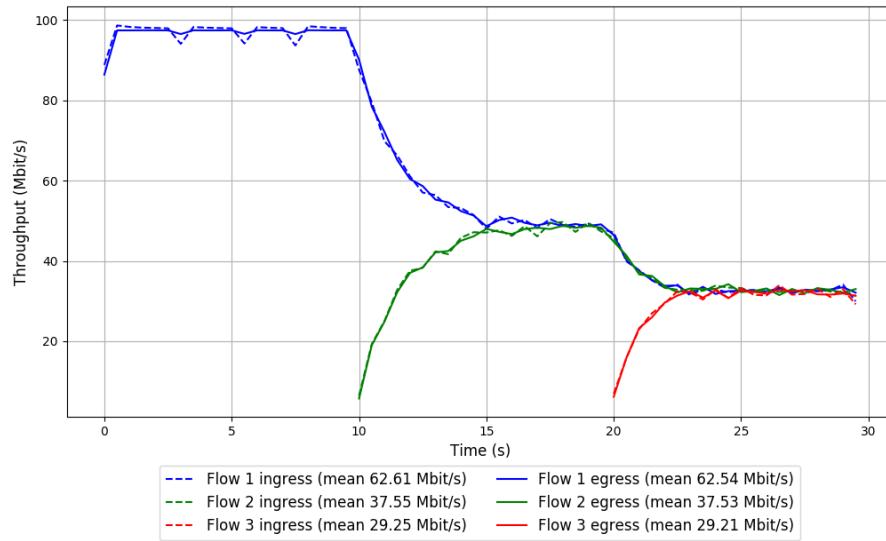


Run 6: Statistics of LEDBAT

```
Start at: 2018-01-17 04:12:11
End at: 2018-01-17 04:12:41
Local clock offset: 0.361 ms
Remote clock offset: 1.799 ms

# Below is generated by plot.py at 2018-01-17 06:19:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.242 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 32.427 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 32.422 ms
Loss rate: 0.08%
```

Run 6: Report of LEDBAT — Data Link

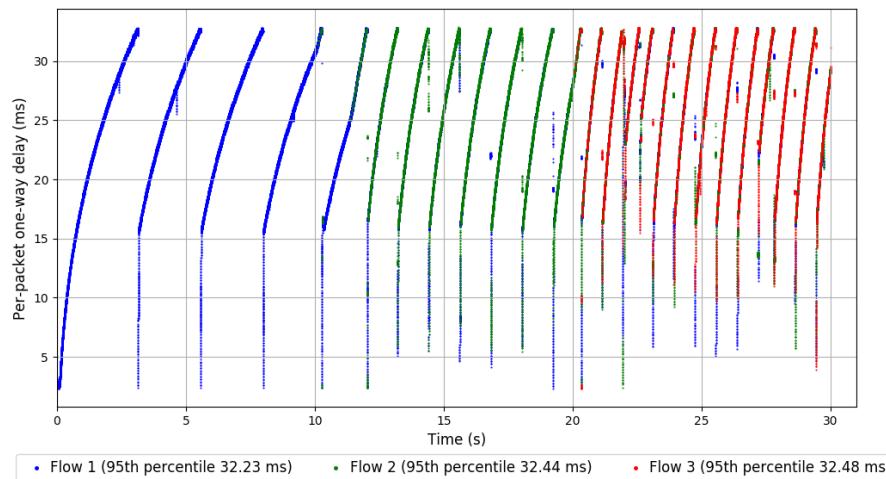
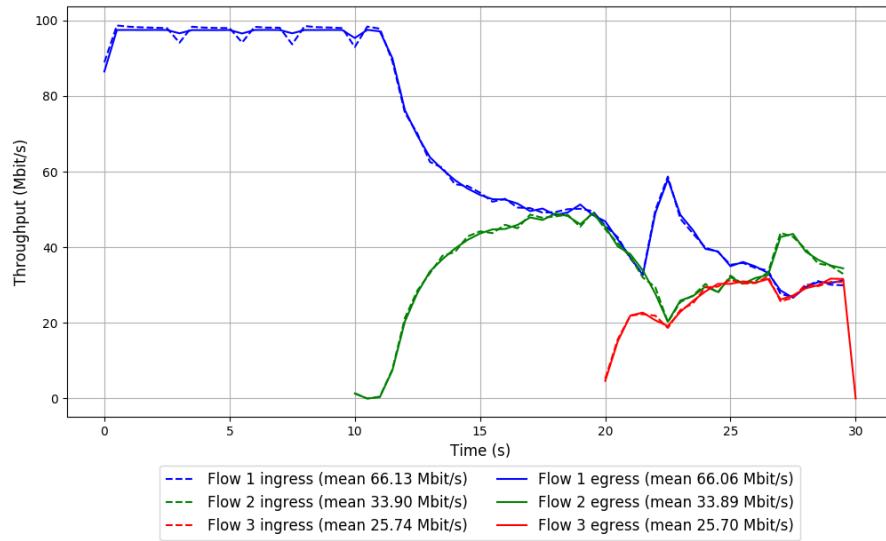


Run 7: Statistics of LEDBAT

```
Start at: 2018-01-17 04:32:55
End at: 2018-01-17 04:33:25
Local clock offset: 0.304 ms
Remote clock offset: 1.745 ms

# Below is generated by plot.py at 2018-01-17 06:19:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 32.276 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.06 Mbit/s
95th percentile per-packet one-way delay: 32.229 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 32.442 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 25.70 Mbit/s
95th percentile per-packet one-way delay: 32.480 ms
Loss rate: 0.16%
```

Run 7: Report of LEDBAT — Data Link

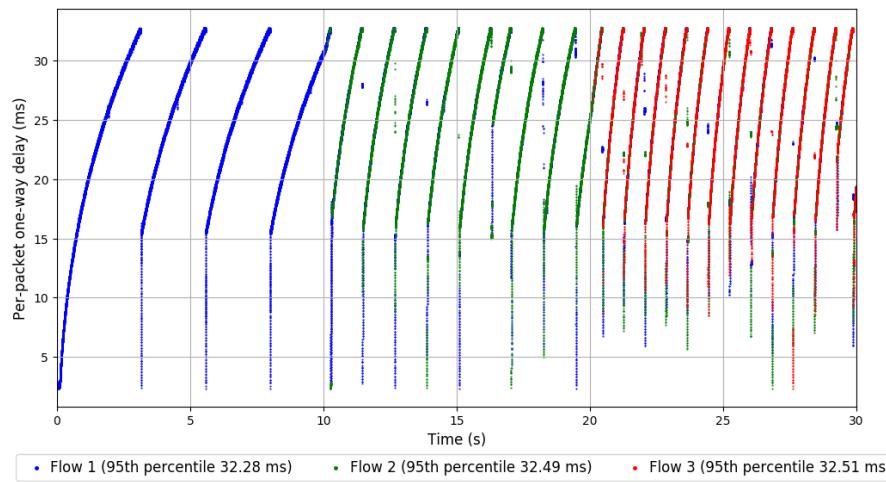
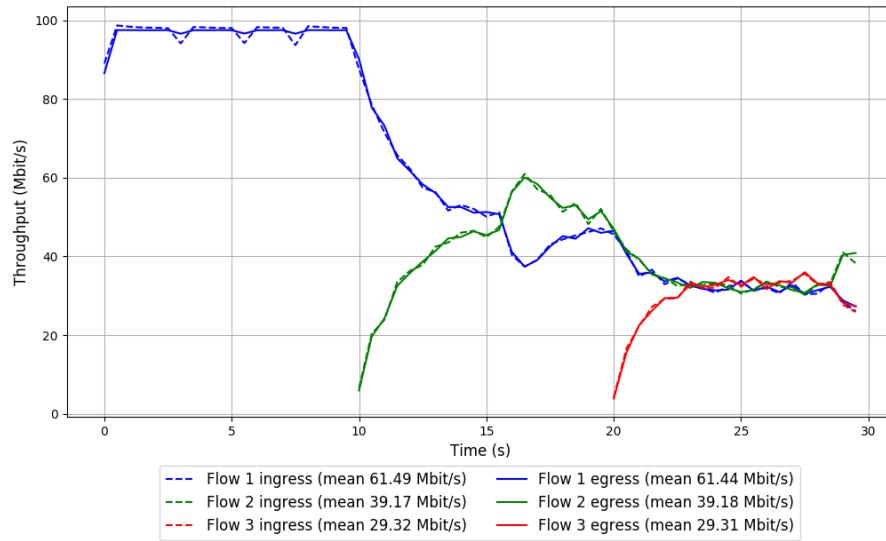


Run 8: Statistics of LEDBAT

```
Start at: 2018-01-17 04:53:39
End at: 2018-01-17 04:54:09
Local clock offset: 0.287 ms
Remote clock offset: 1.569 ms

# Below is generated by plot.py at 2018-01-17 06:19:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.330 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.44 Mbit/s
95th percentile per-packet one-way delay: 32.278 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 32.491 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 32.512 ms
Loss rate: 0.11%
```

Run 8: Report of LEDBAT — Data Link

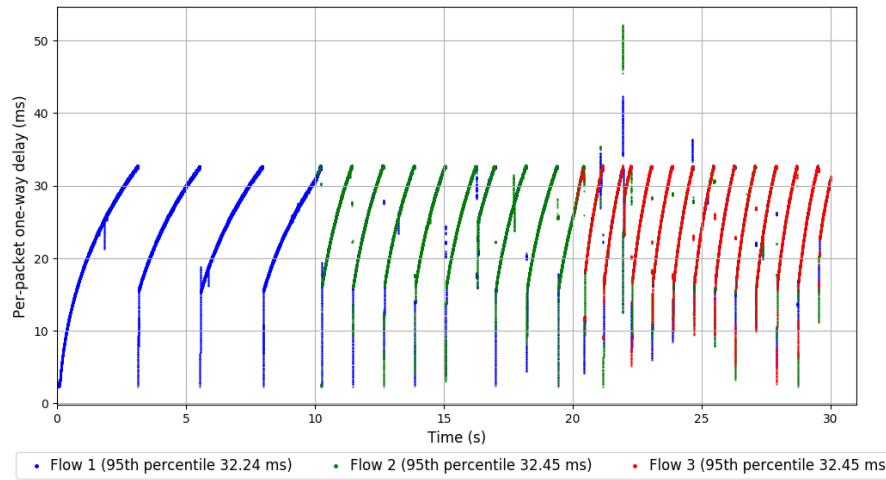
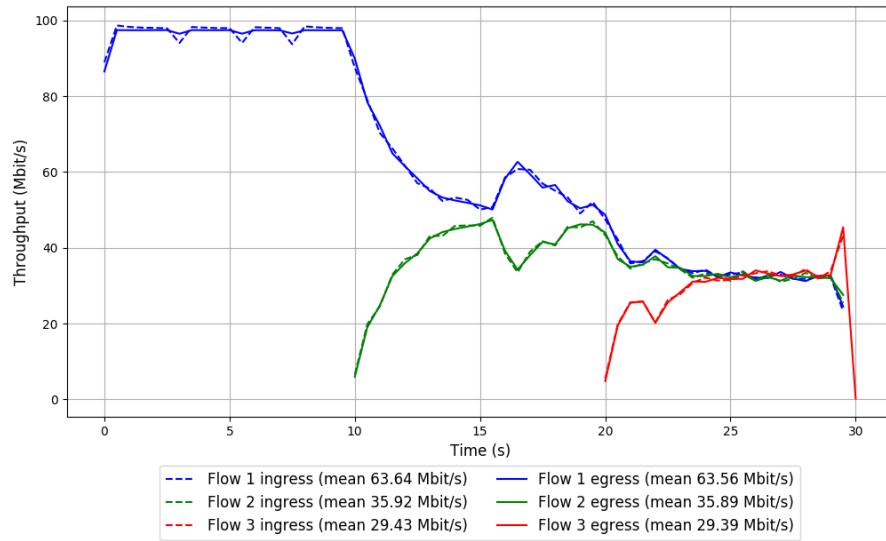


Run 9: Statistics of LEDBAT

```
Start at: 2018-01-17 05:14:23
End at: 2018-01-17 05:14:53
Local clock offset: 0.303 ms
Remote clock offset: 1.231 ms

# Below is generated by plot.py at 2018-01-17 06:19:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 32.278 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 32.241 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 32.445 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 32.449 ms
Loss rate: 0.07%
```

Run 9: Report of LEDBAT — Data Link

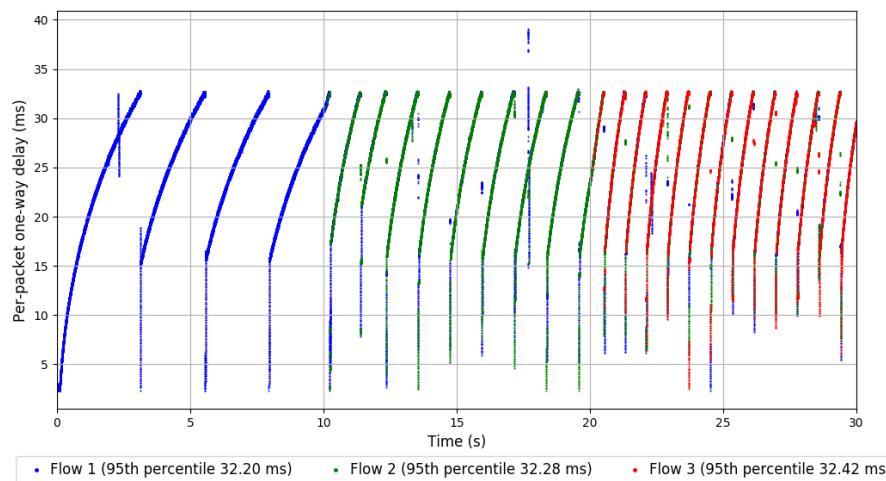
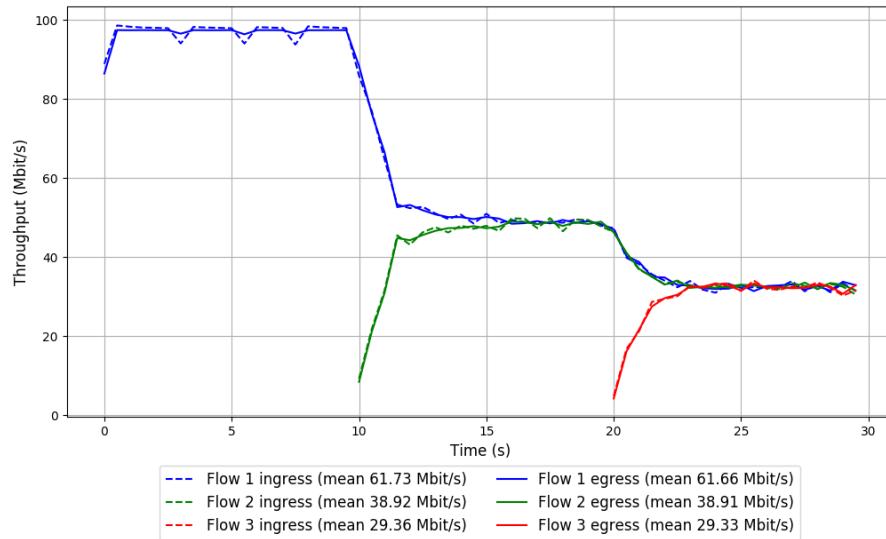


Run 10: Statistics of LEDBAT

```
Start at: 2018-01-17 05:35:06
End at: 2018-01-17 05:35:36
Local clock offset: 0.292 ms
Remote clock offset: 0.823 ms

# Below is generated by plot.py at 2018-01-17 06:19:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 32.225 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 32.198 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 32.277 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 32.421 ms
Loss rate: 0.07%
```

Run 10: Report of LEDBAT — Data Link

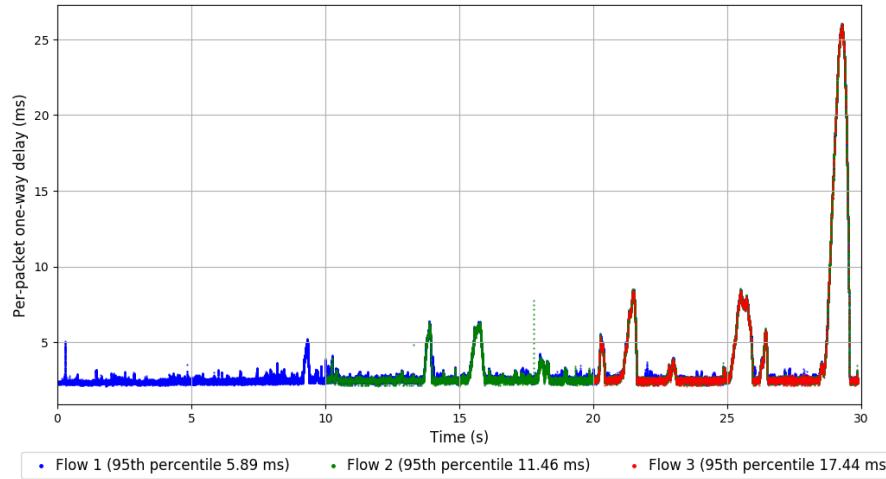
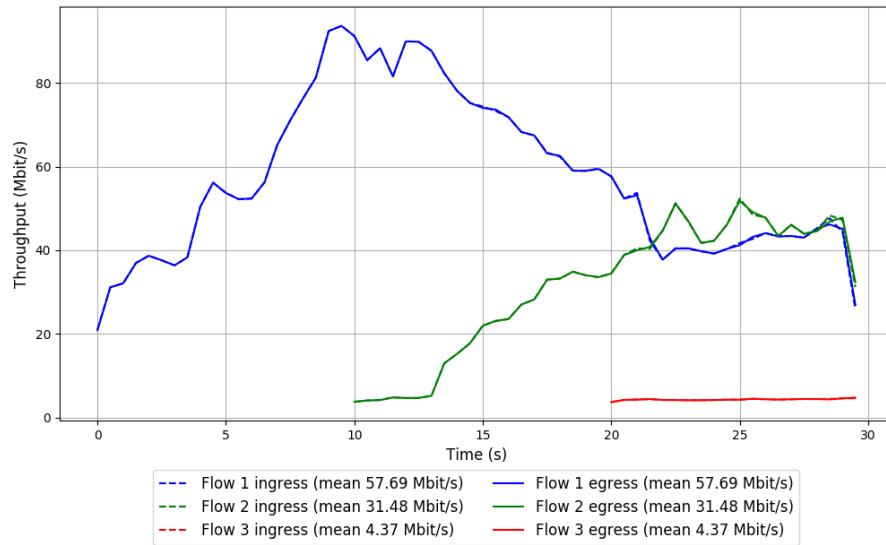


```
Run 1: Statistics of PCC

Start at: 2018-01-17 02:35:37
End at: 2018-01-17 02:36:07
Local clock offset: 0.454 ms
Remote clock offset: -0.153 ms

# Below is generated by plot.py at 2018-01-17 06:19:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 7.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 5.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 11.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 17.436 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link

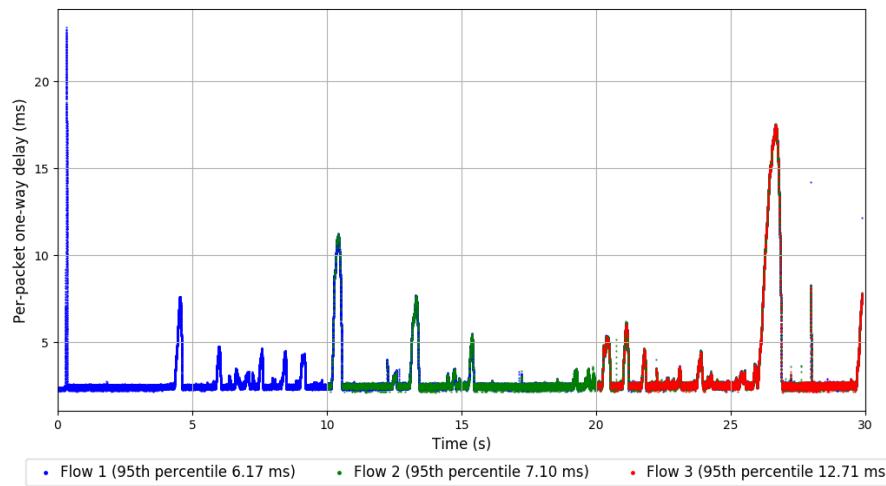
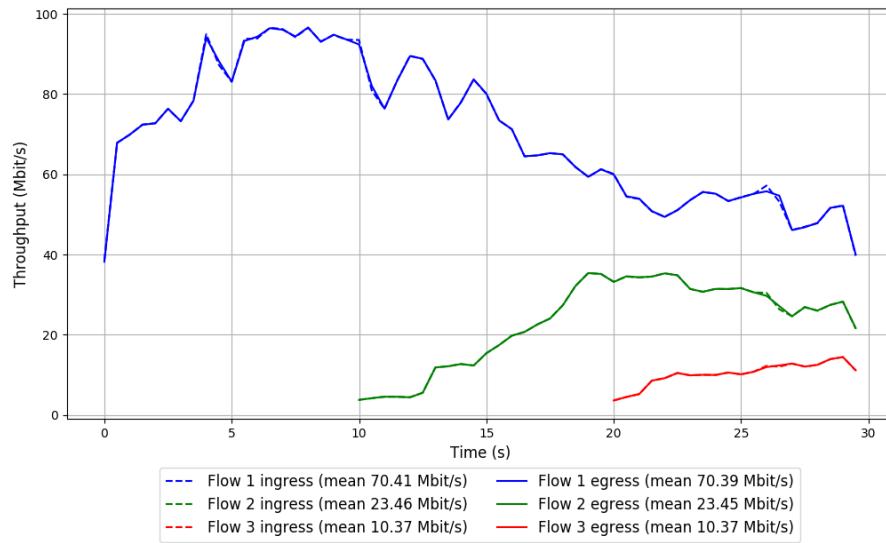


Run 2: Statistics of PCC

```
Start at: 2018-01-17 02:56:20
End at: 2018-01-17 02:56:50
Local clock offset: 0.353 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-01-17 06:19:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 6.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 6.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 7.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 12.711 ms
Loss rate: 0.00%
```

Run 2: Report of PCC — Data Link

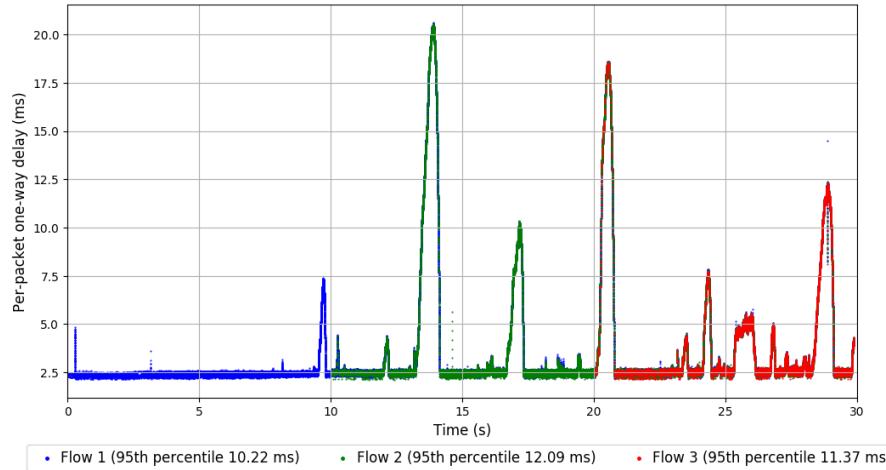
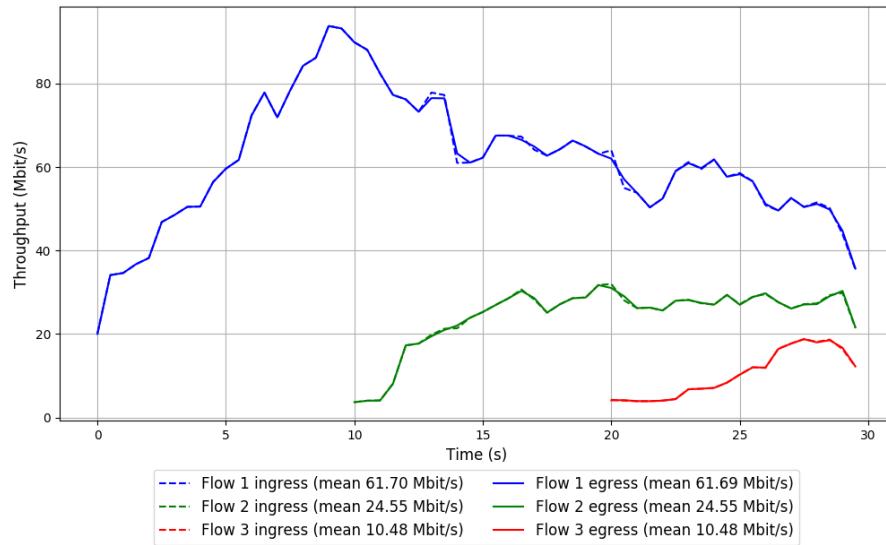


Run 3: Statistics of PCC

```
Start at: 2018-01-17 03:17:01
End at: 2018-01-17 03:17:31
Local clock offset: 0.406 ms
Remote clock offset: 0.237 ms

# Below is generated by plot.py at 2018-01-17 06:20:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 11.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 10.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 12.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 11.368 ms
Loss rate: 0.00%
```

Run 3: Report of PCC — Data Link

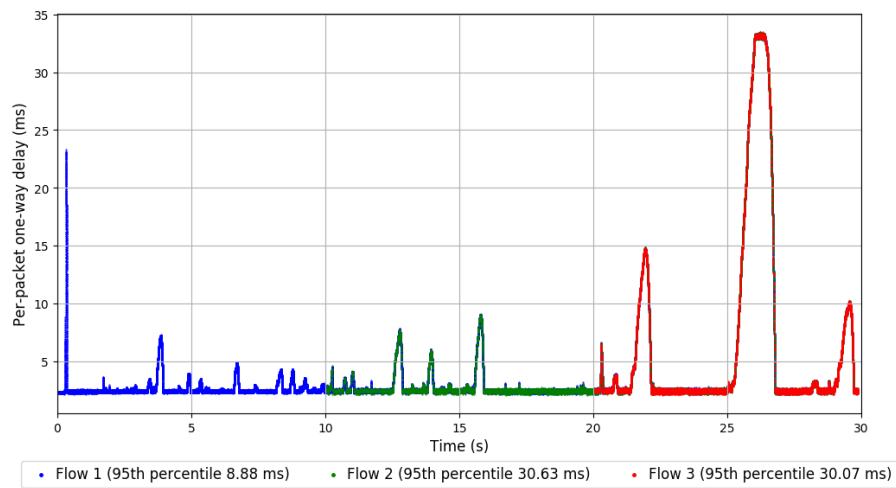
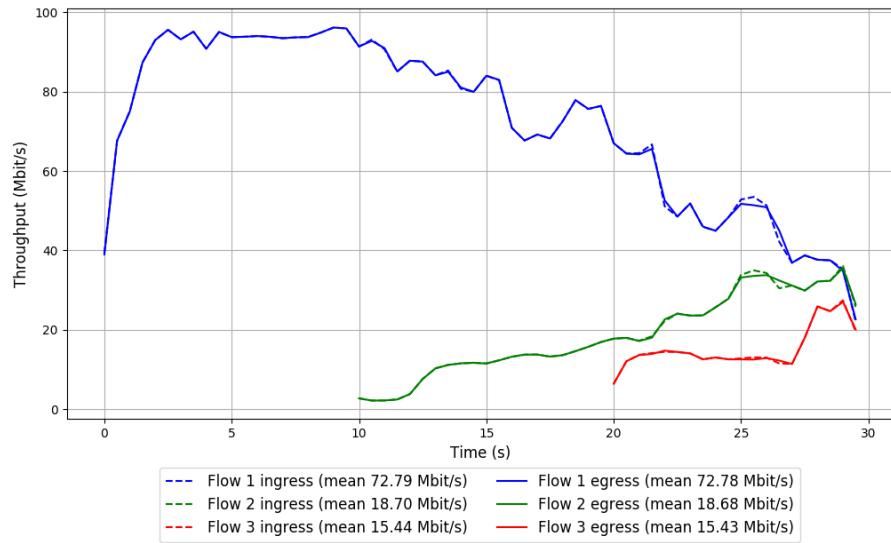


Run 4: Statistics of PCC

```
Start at: 2018-01-17 03:37:45
End at: 2018-01-17 03:38:15
Local clock offset: 0.366 ms
Remote clock offset: 0.893 ms

# Below is generated by plot.py at 2018-01-17 06:20:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: 13.595 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 72.78 Mbit/s
95th percentile per-packet one-way delay: 8.884 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 30.633 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 30.071 ms
Loss rate: 0.07%
```

Run 4: Report of PCC — Data Link

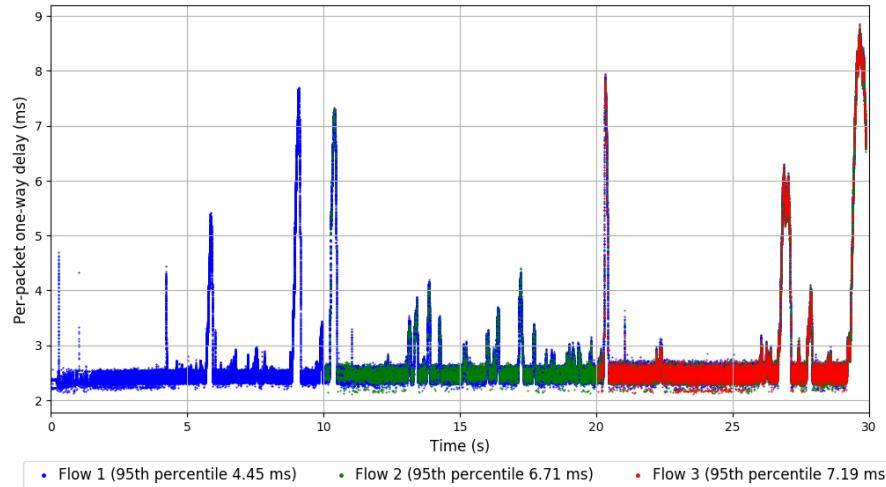
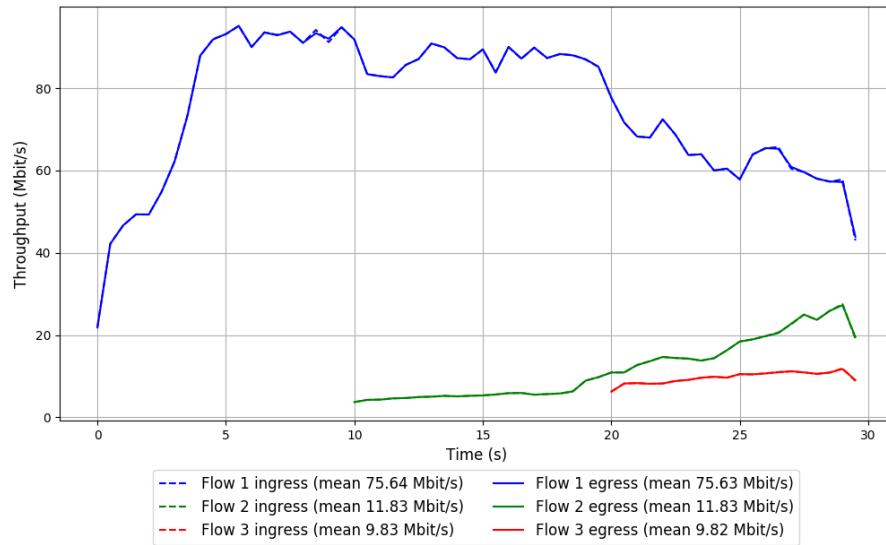


Run 5: Statistics of PCC

```
Start at: 2018-01-17 03:58:29
End at: 2018-01-17 03:58:59
Local clock offset: 0.347 ms
Remote clock offset: 1.56 ms

# Below is generated by plot.py at 2018-01-17 06:20:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 4.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 6.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 7.189 ms
Loss rate: 0.00%
```

Run 5: Report of PCC — Data Link

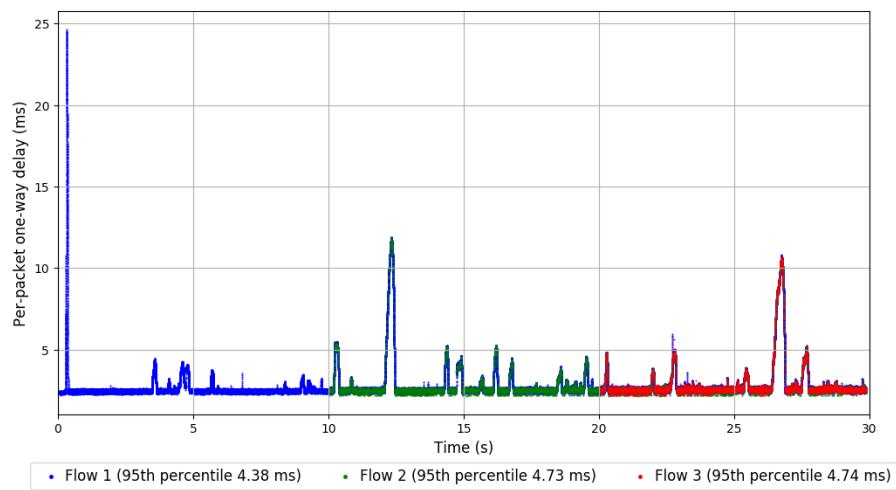
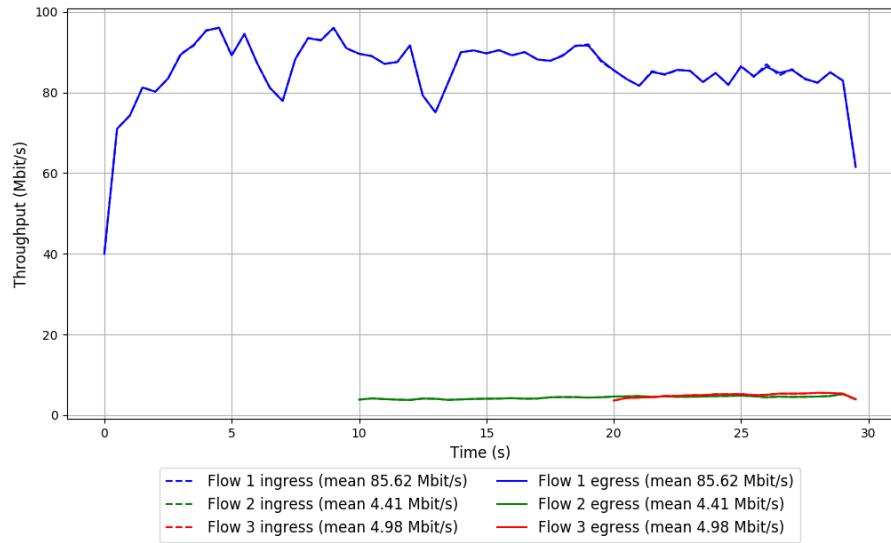


Run 6: Statistics of PCC

```
Start at: 2018-01-17 04:19:13
End at: 2018-01-17 04:19:43
Local clock offset: 0.365 ms
Remote clock offset: 1.81 ms

# Below is generated by plot.py at 2018-01-17 06:20:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 4.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 4.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 4.728 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 4.737 ms
Loss rate: 0.00%
```

Run 6: Report of PCC — Data Link

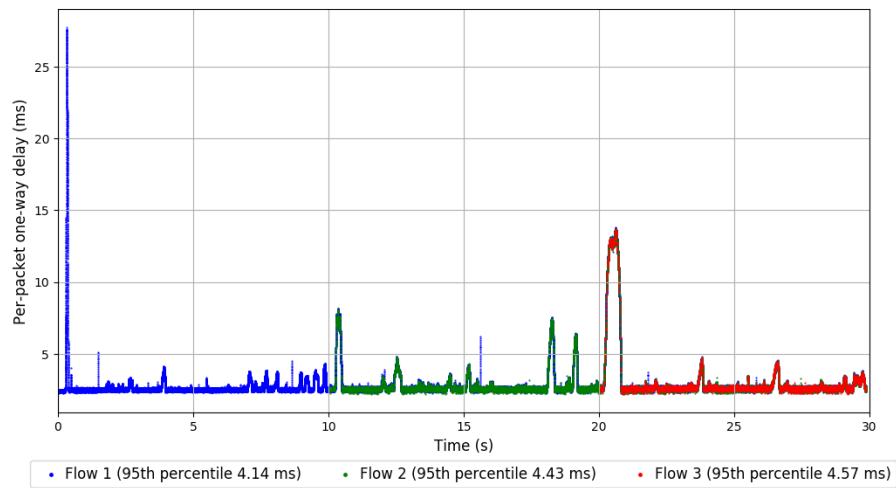
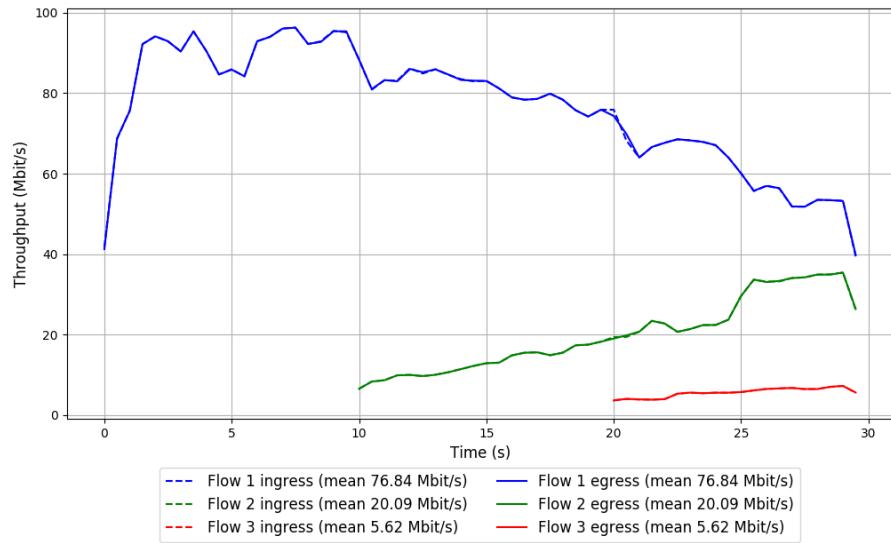


Run 7: Statistics of PCC

```
Start at: 2018-01-17 04:39:57
End at: 2018-01-17 04:40:27
Local clock offset: 0.275 ms
Remote clock offset: 1.753 ms

# Below is generated by plot.py at 2018-01-17 06:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 4.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.84 Mbit/s
95th percentile per-packet one-way delay: 4.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 4.428 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 4.574 ms
Loss rate: 0.00%
```

Run 7: Report of PCC — Data Link

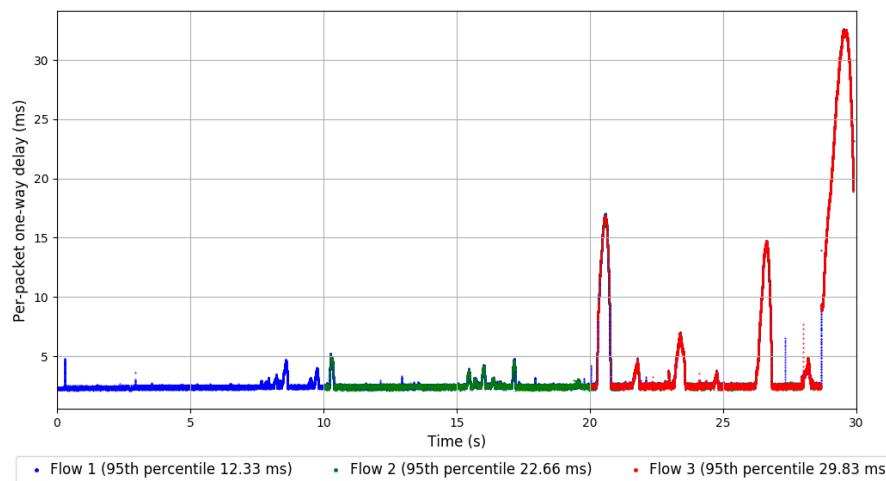
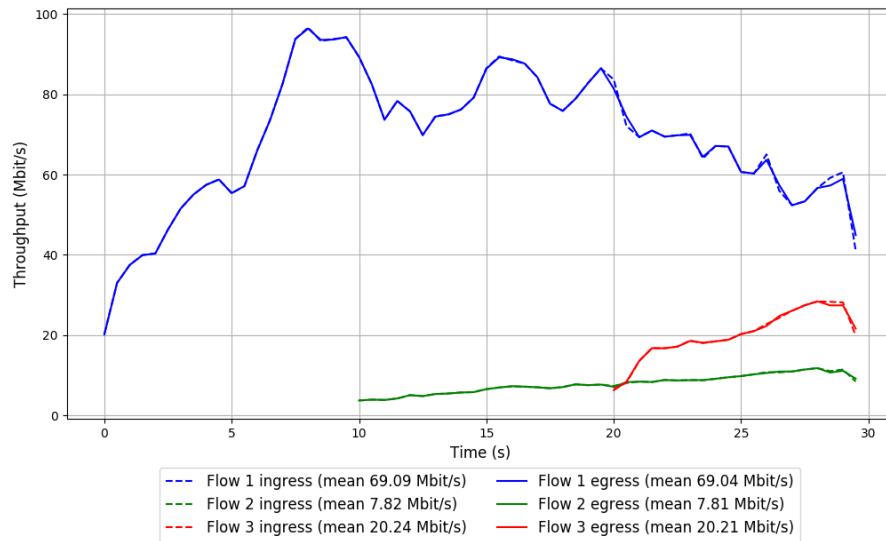


Run 8: Statistics of PCC

```
Start at: 2018-01-17 05:00:41
End at: 2018-01-17 05:01:11
Local clock offset: 0.339 ms
Remote clock offset: 1.455 ms

# Below is generated by plot.py at 2018-01-17 06:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 14.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 12.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 22.657 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 29.833 ms
Loss rate: 0.00%
```

Run 8: Report of PCC — Data Link

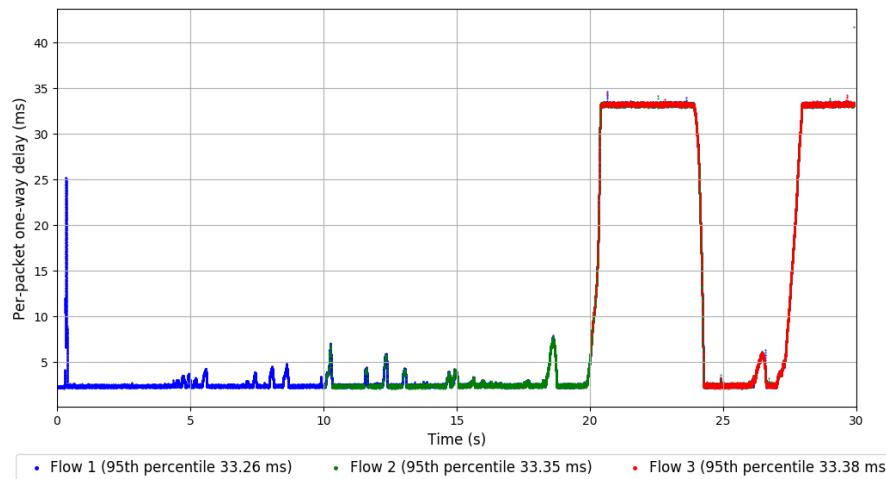
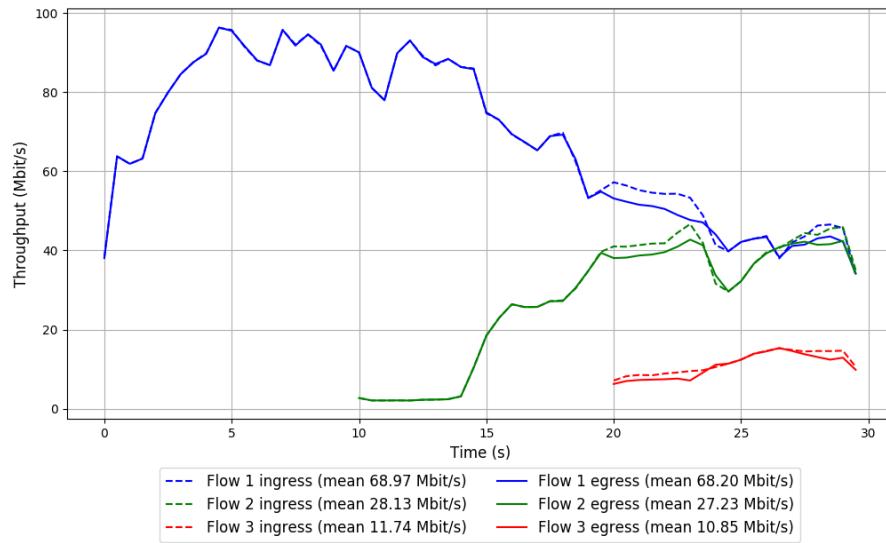


Run 9: Statistics of PCC

```
Start at: 2018-01-17 05:21:24
End at: 2018-01-17 05:21:54
Local clock offset: 0.306 ms
Remote clock offset: 1.117 ms

# Below is generated by plot.py at 2018-01-17 06:20:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 33.302 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 68.20 Mbit/s
95th percentile per-packet one-way delay: 33.257 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 33.353 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 33.384 ms
Loss rate: 7.38%
```

Run 9: Report of PCC — Data Link

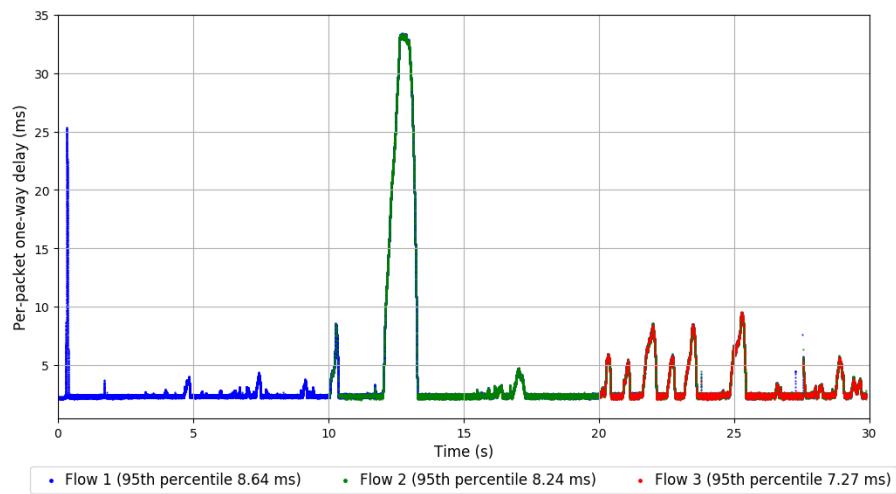
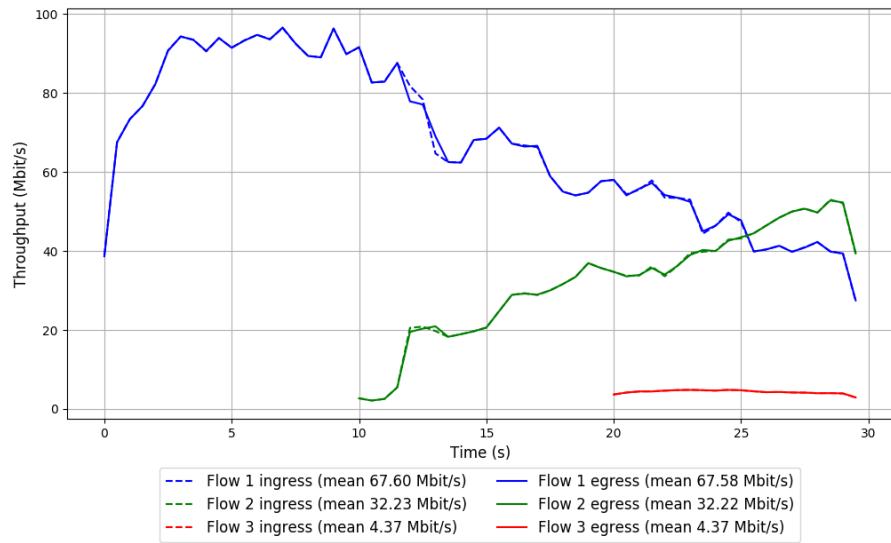


Run 10: Statistics of PCC

```
Start at: 2018-01-17 05:42:08
End at: 2018-01-17 05:42:38
Local clock offset: 0.295 ms
Remote clock offset: 0.568 ms

# Below is generated by plot.py at 2018-01-17 06:21:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 8.343 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.58 Mbit/s
95th percentile per-packet one-way delay: 8.644 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 8.240 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 7.274 ms
Loss rate: 0.00%
```

Run 10: Report of PCC — Data Link

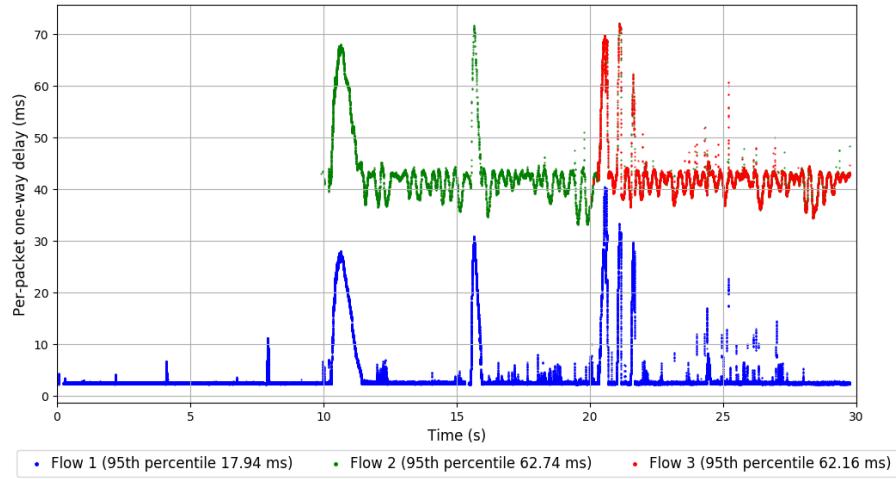
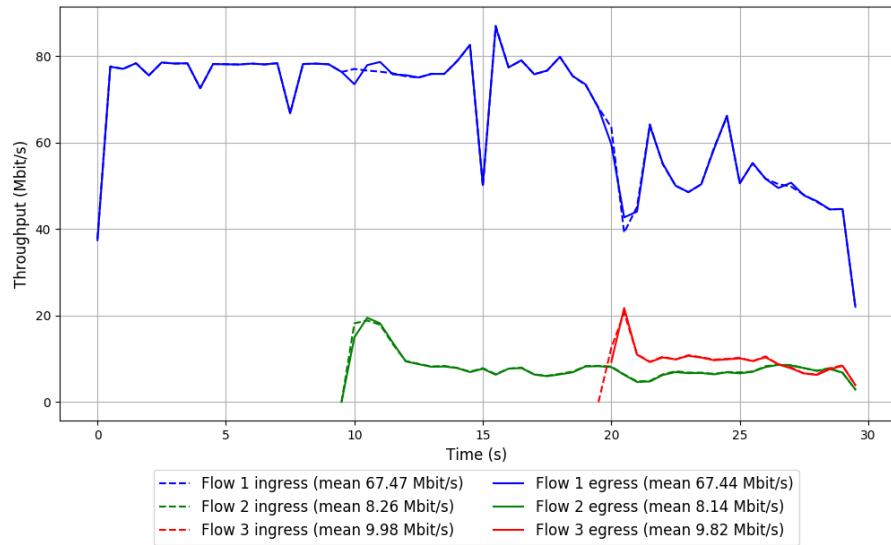


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-17 02:21:42
End at: 2018-01-17 02:22:12
Local clock offset: 0.441 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-01-17 06:21:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 42.642 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 67.44 Mbit/s
95th percentile per-packet one-way delay: 17.938 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 62.736 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 62.161 ms
Loss rate: 1.95%
```

Run 1: Report of QUIC Cubic — Data Link

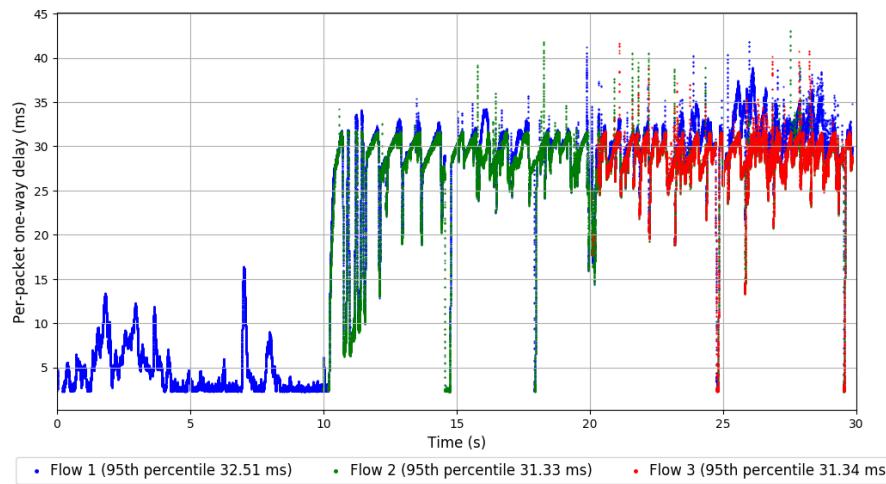
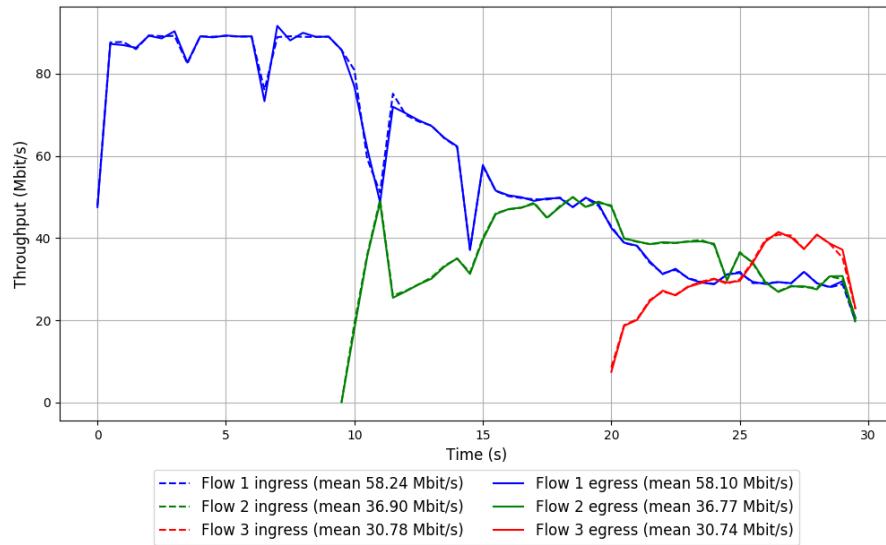


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-01-17 02:42:24
End at: 2018-01-17 02:42:54
Local clock offset: 0.44 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-01-17 06:22:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 31.927 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 32.505 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 31.333 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 31.343 ms
Loss rate: 0.09%
```

Run 2: Report of QUIC Cubic — Data Link

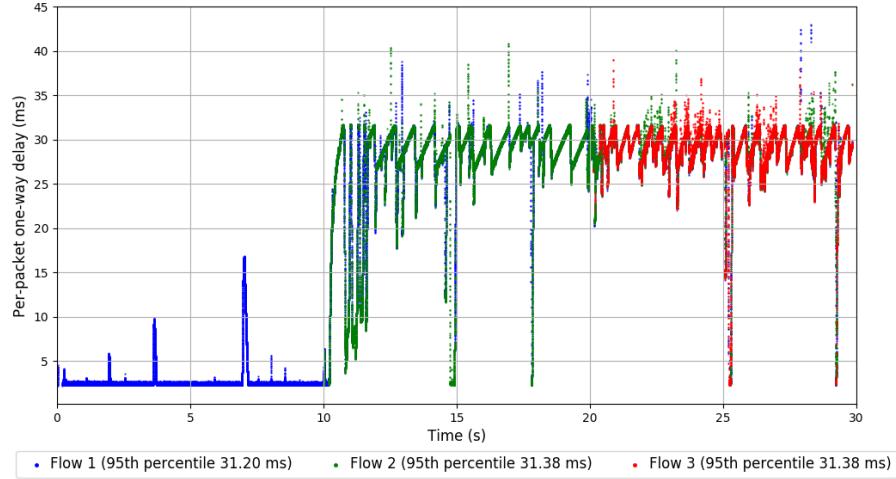
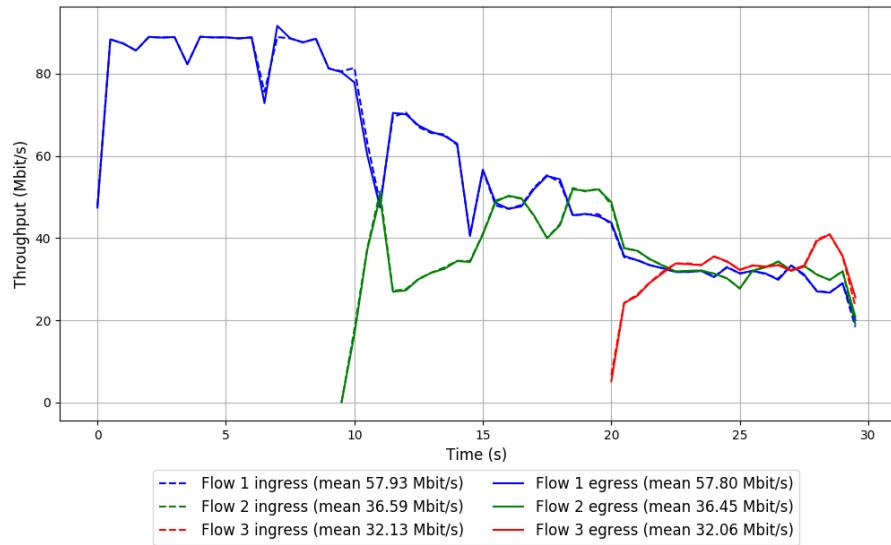


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-01-17 03:03:07
End at: 2018-01-17 03:03:37
Local clock offset: 0.427 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-01-17 06:22:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 31.300 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.80 Mbit/s
95th percentile per-packet one-way delay: 31.205 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 31.377 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 31.379 ms
Loss rate: 0.14%
```

Run 3: Report of QUIC Cubic — Data Link

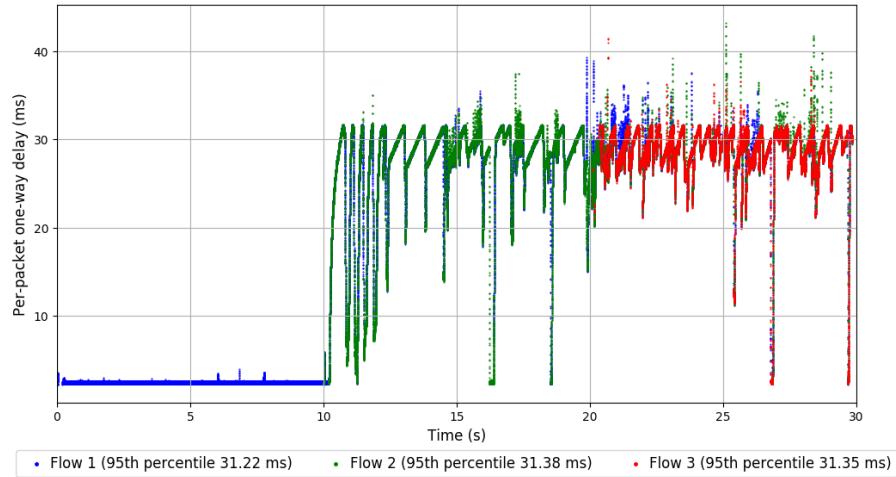
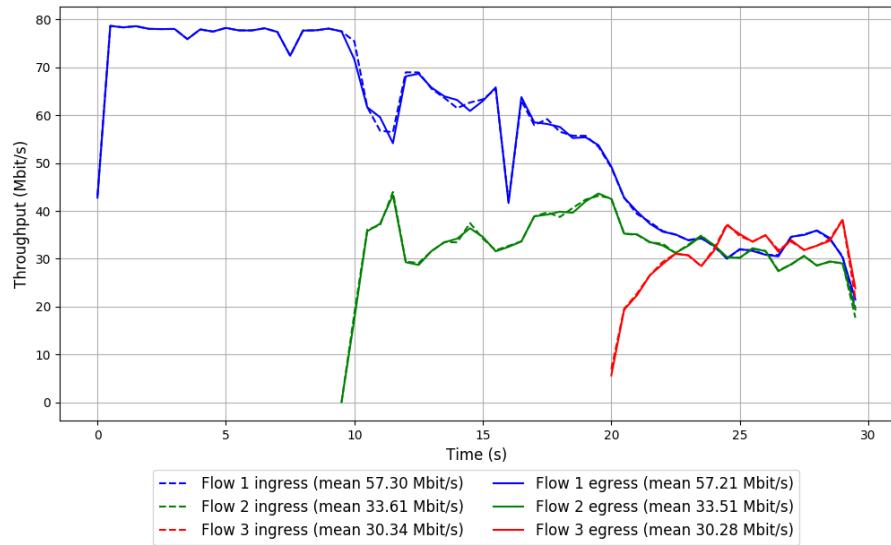


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-01-17 03:23:47
End at: 2018-01-17 03:24:17
Local clock offset: 0.403 ms
Remote clock offset: 0.33 ms

# Below is generated by plot.py at 2018-01-17 06:22:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 31.299 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 31.219 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 31.379 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 31.347 ms
Loss rate: 0.15%
```

Run 4: Report of QUIC Cubic — Data Link

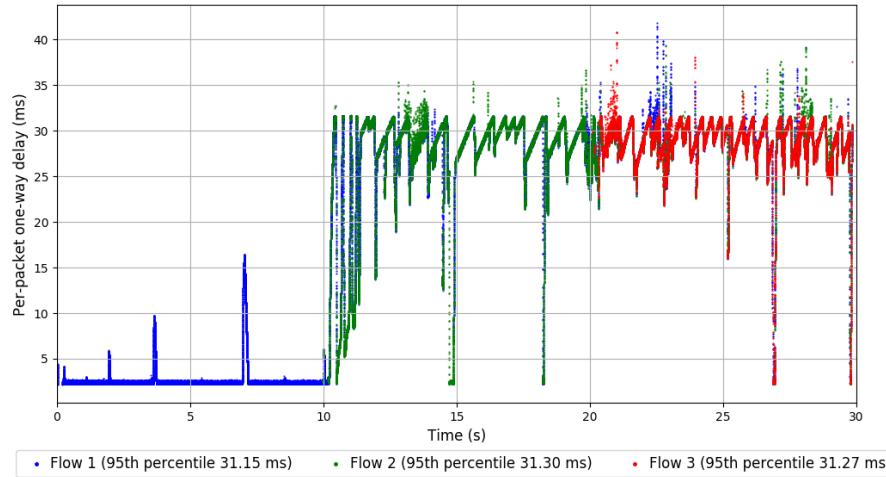
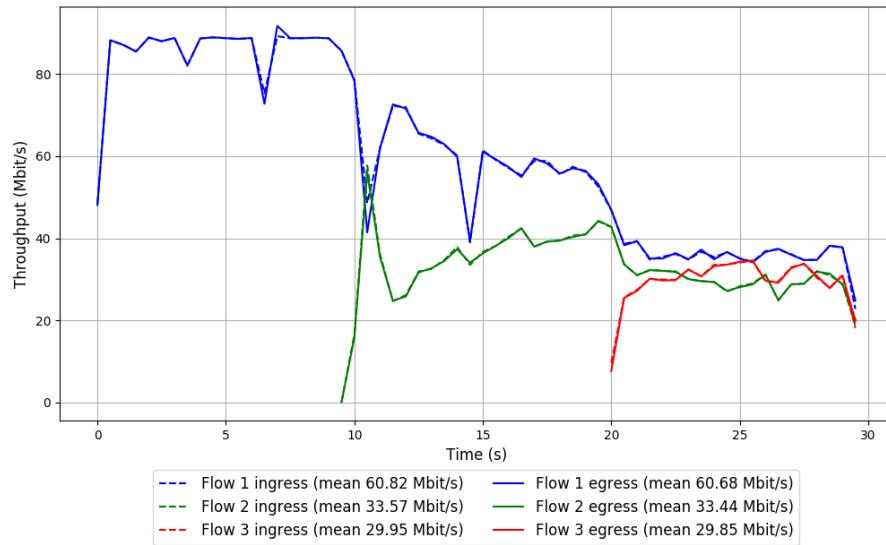


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-01-17 03:44:31
End at: 2018-01-17 03:45:01
Local clock offset: 0.36 ms
Remote clock offset: 1.088 ms

# Below is generated by plot.py at 2018-01-17 06:22:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 31.224 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 60.68 Mbit/s
95th percentile per-packet one-way delay: 31.151 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 31.304 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 31.273 ms
Loss rate: 0.22%
```

Run 5: Report of QUIC Cubic — Data Link

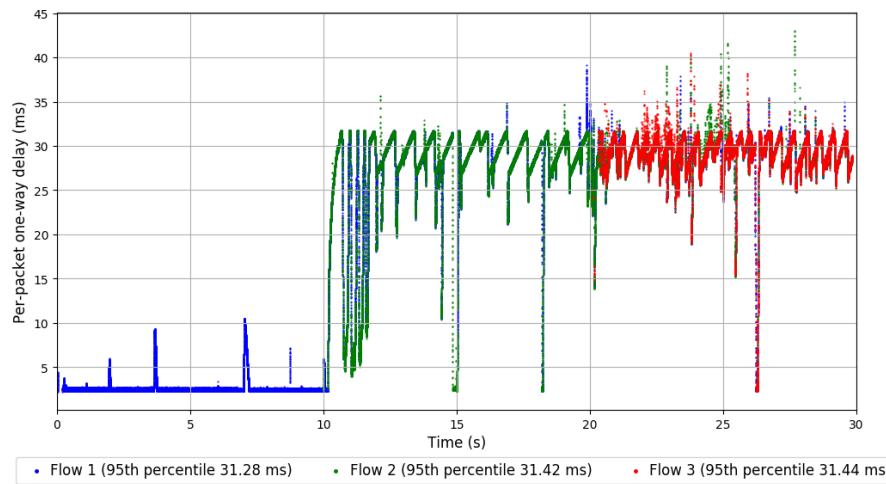
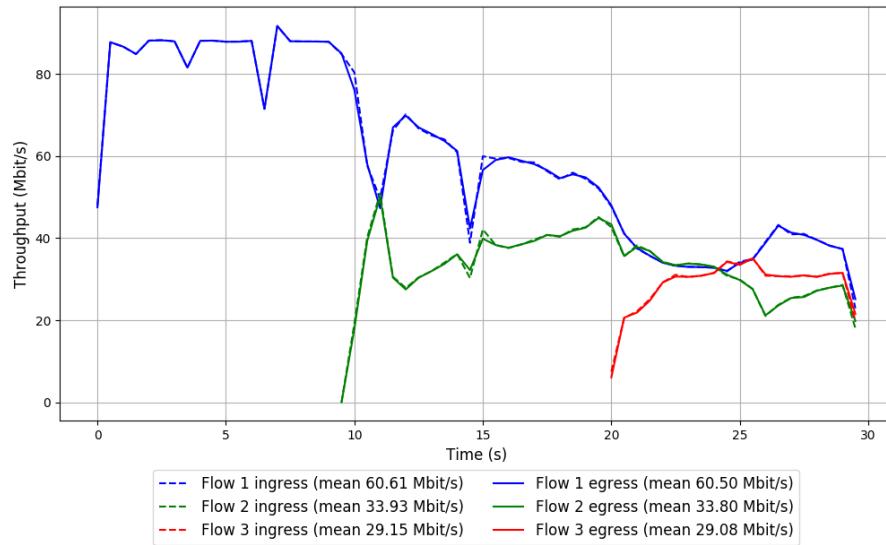


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-01-17 04:05:16
End at: 2018-01-17 04:05:46
Local clock offset: 0.299 ms
Remote clock offset: 1.723 ms

# Below is generated by plot.py at 2018-01-17 06:22:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 31.360 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 31.281 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.80 Mbit/s
95th percentile per-packet one-way delay: 31.421 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 31.444 ms
Loss rate: 0.18%
```

Run 6: Report of QUIC Cubic — Data Link

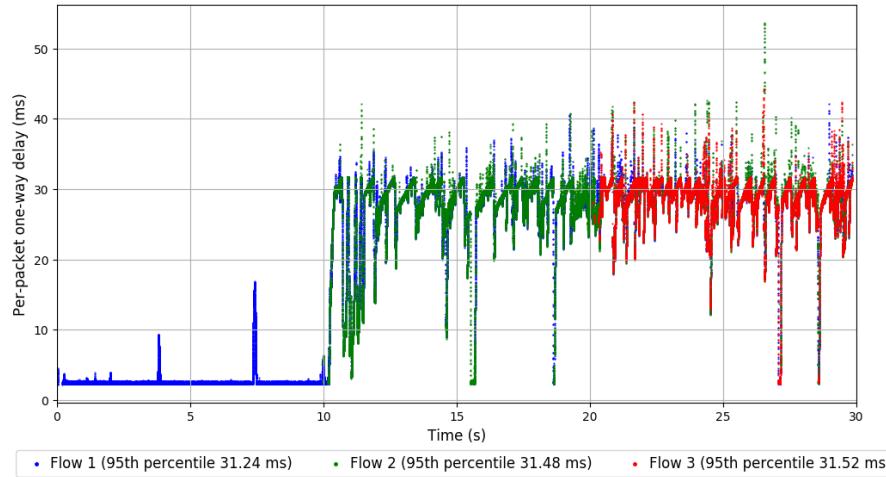
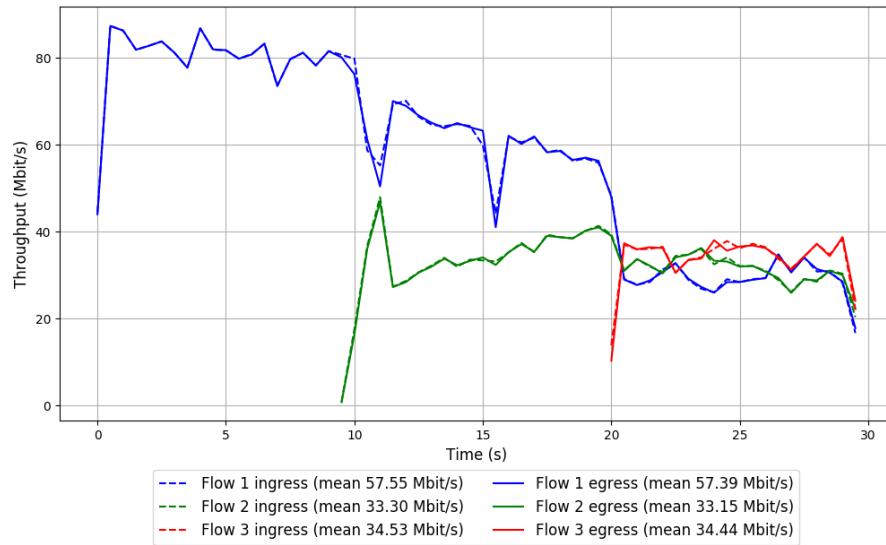


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-01-17 04:26:00
End at: 2018-01-17 04:26:30
Local clock offset: 0.303 ms
Remote clock offset: 1.748 ms

# Below is generated by plot.py at 2018-01-17 06:22:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 31.374 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 31.240 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 31.482 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 31.524 ms
Loss rate: 0.23%
```

Run 7: Report of QUIC Cubic — Data Link

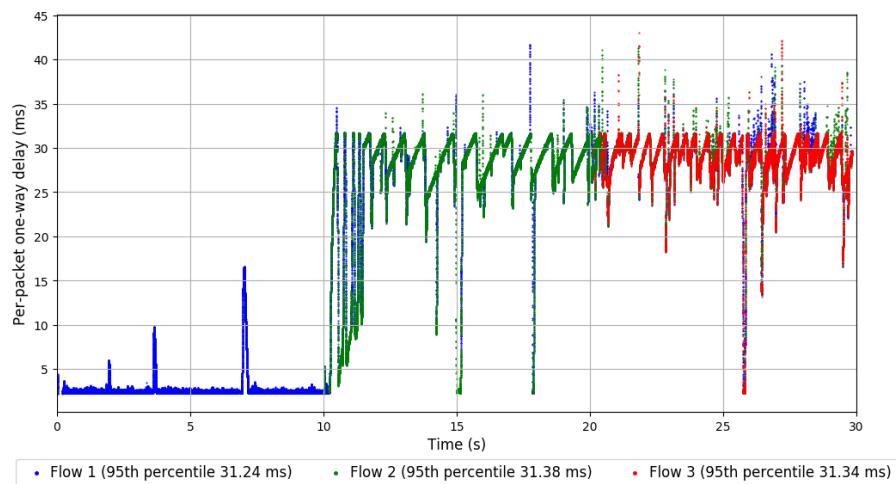
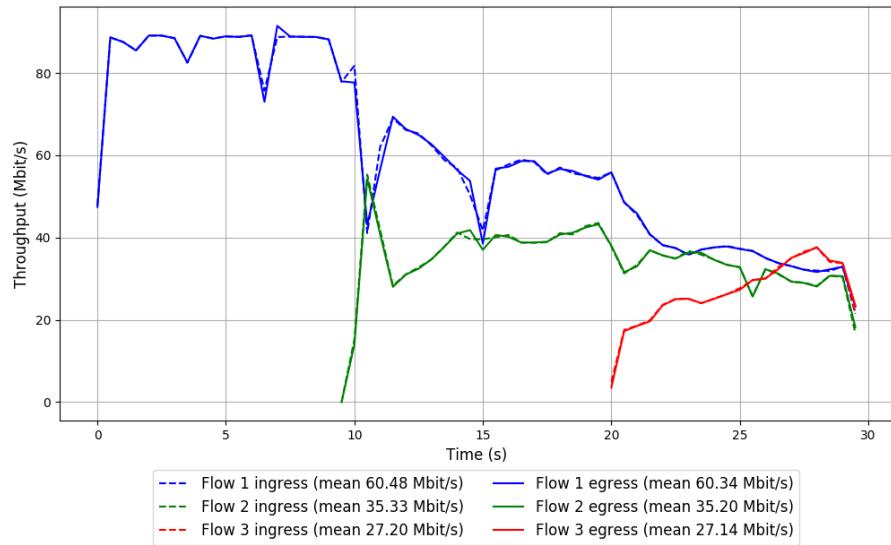


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-01-17 04:46:44
End at: 2018-01-17 04:47:14
Local clock offset: 0.363 ms
Remote clock offset: 1.691 ms

# Below is generated by plot.py at 2018-01-17 06:22:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 31.311 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 31.240 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 31.383 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 27.14 Mbit/s
95th percentile per-packet one-way delay: 31.337 ms
Loss rate: 0.21%
```

Run 8: Report of QUIC Cubic — Data Link

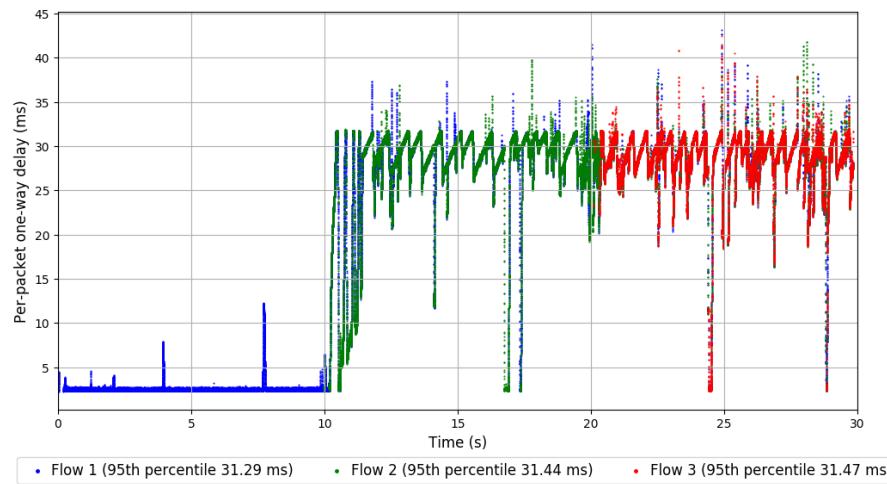
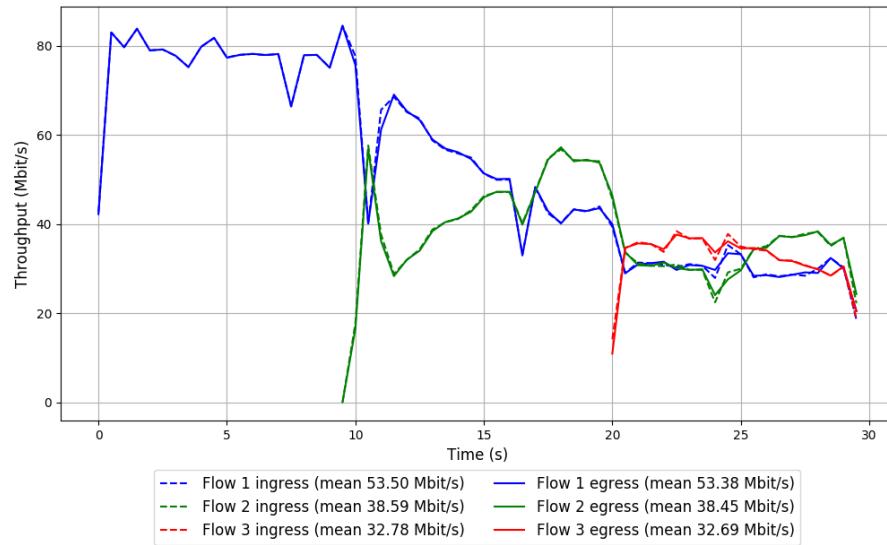


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-01-17 05:07:27
End at: 2018-01-17 05:07:57
Local clock offset: 0.343 ms
Remote clock offset: 1.376 ms

# Below is generated by plot.py at 2018-01-17 06:23:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 31.387 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: 31.291 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 31.444 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 31.466 ms
Loss rate: 0.30%
```

Run 9: Report of QUIC Cubic — Data Link

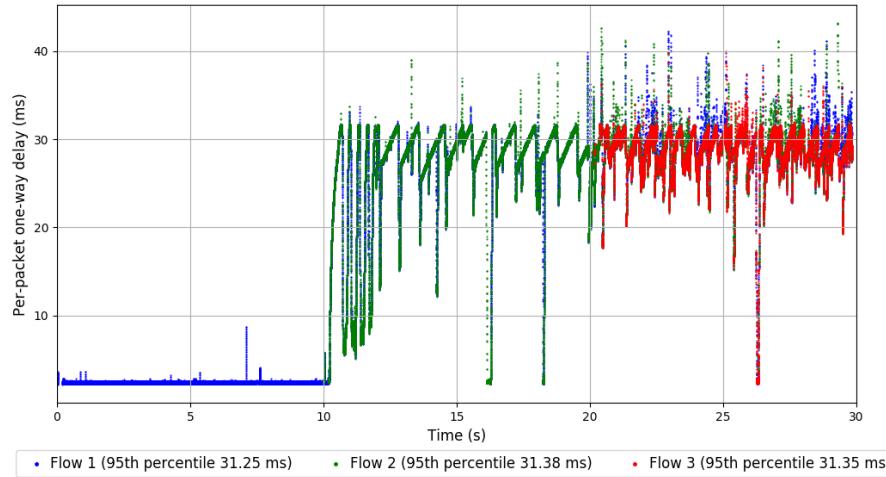
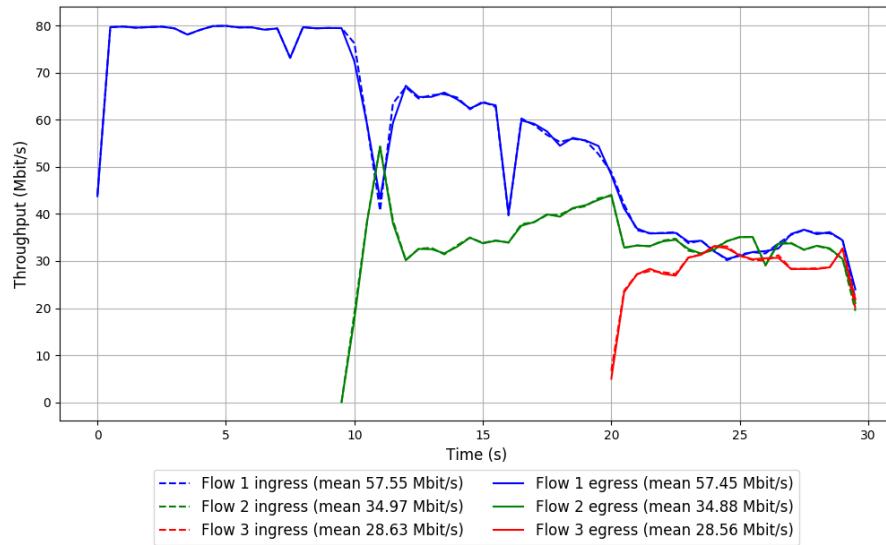


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-01-17 05:28:11
End at: 2018-01-17 05:28:41
Local clock offset: 0.287 ms
Remote clock offset: 0.922 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 31.317 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 31.253 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 31.382 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 31.347 ms
Loss rate: 0.21%
```

Run 10: Report of QUIC Cubic — Data Link

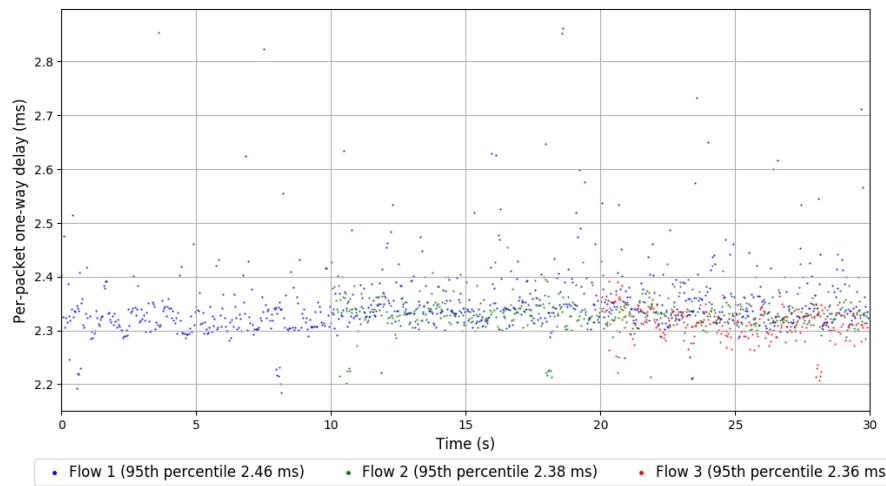
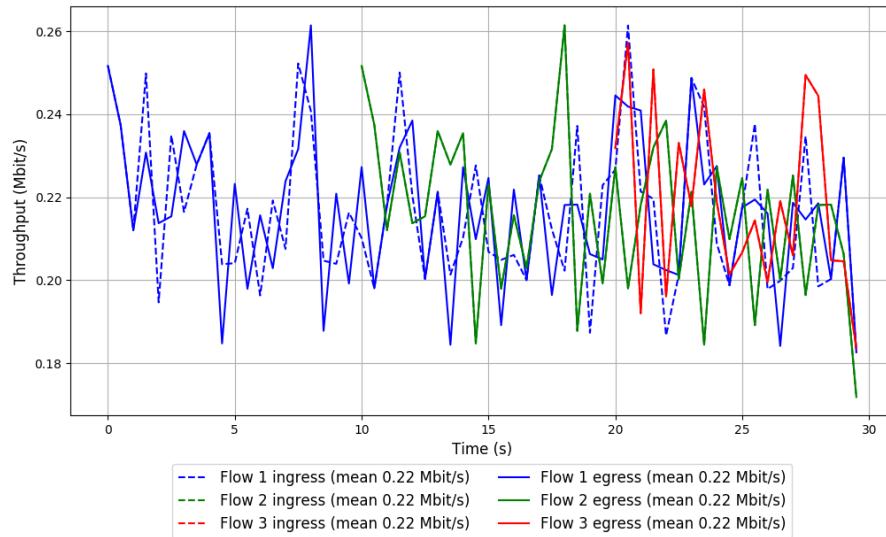


```
Run 1: Statistics of SCReAM

Start at: 2018-01-17 02:19:27
End at: 2018-01-17 02:19:57
Local clock offset: 0.456 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.462 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

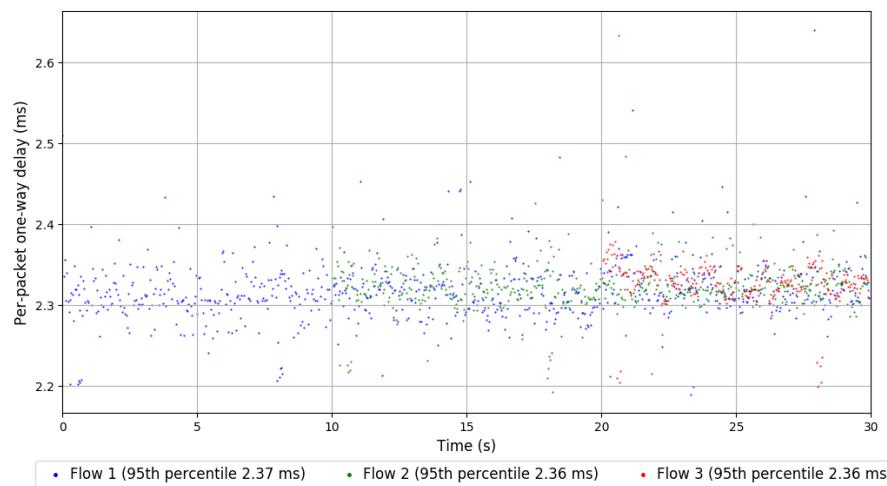
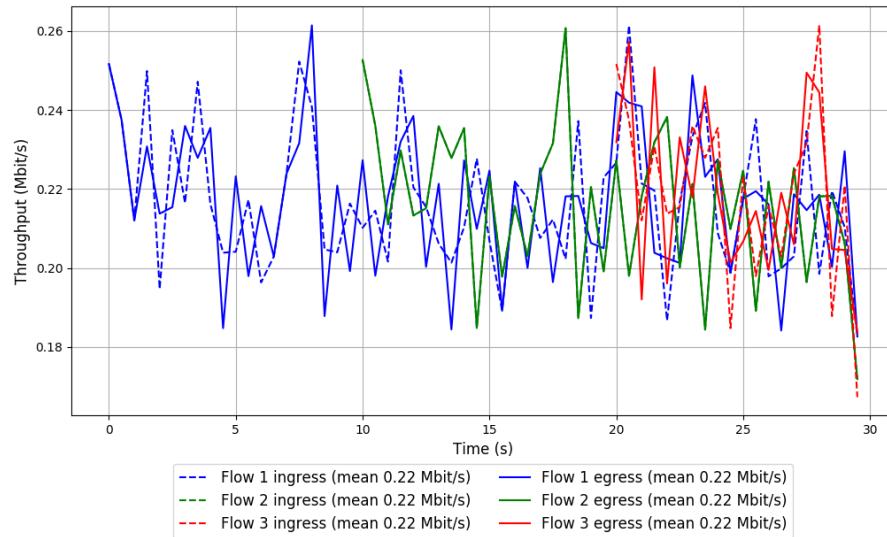


Run 2: Statistics of SCReAM

```
Start at: 2018-01-17 02:40:08
End at: 2018-01-17 02:40:38
Local clock offset: 0.443 ms
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

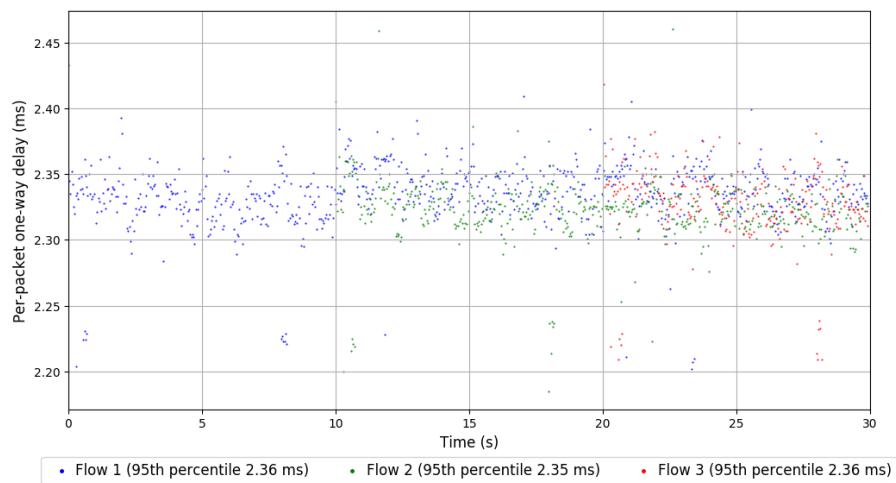
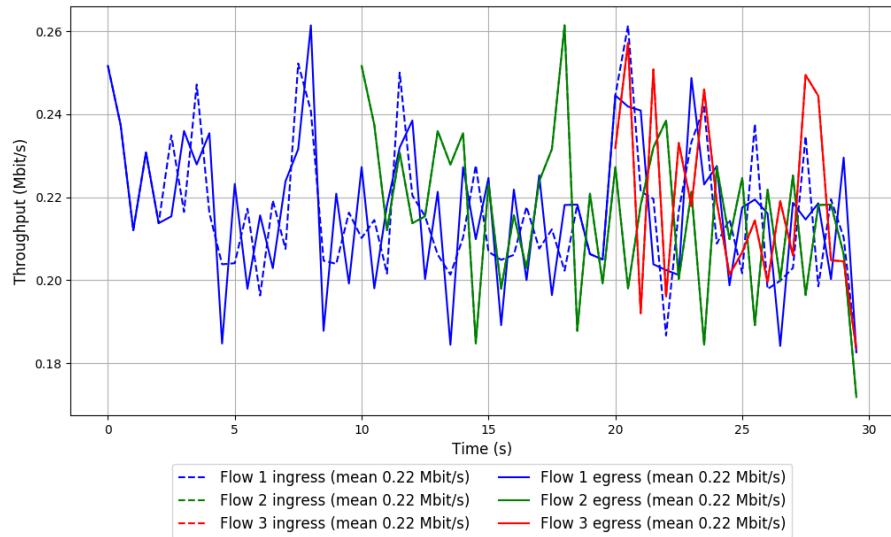


```
Run 3: Statistics of SCReAM

Start at: 2018-01-17 03:00:51
End at: 2018-01-17 03:01:21
Local clock offset: 0.434 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

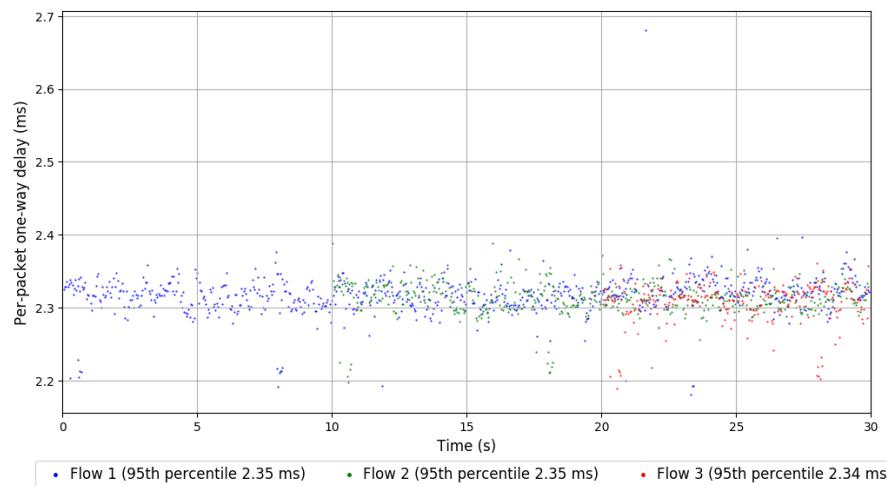
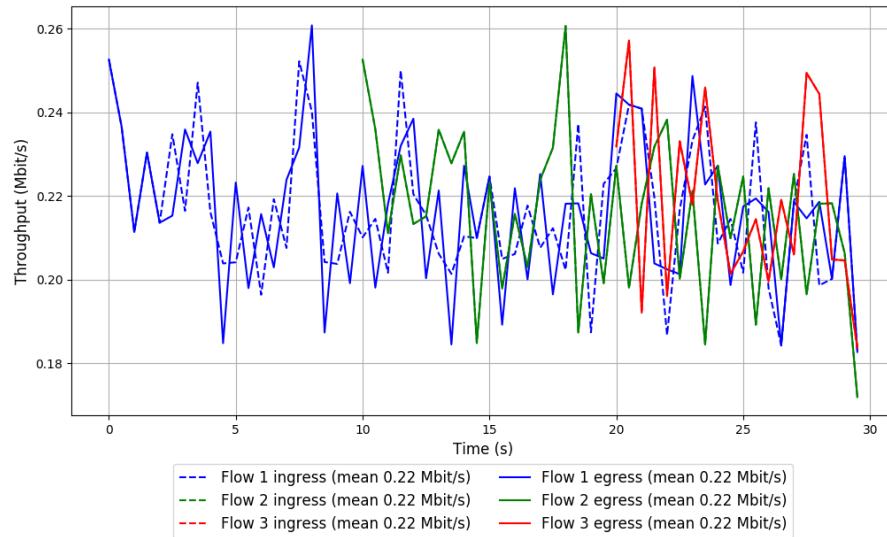


Run 4: Statistics of SCReAM

```
Start at: 2018-01-17 03:21:32
End at: 2018-01-17 03:22:02
Local clock offset: 0.4 ms
Remote clock offset: 0.293 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.343 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

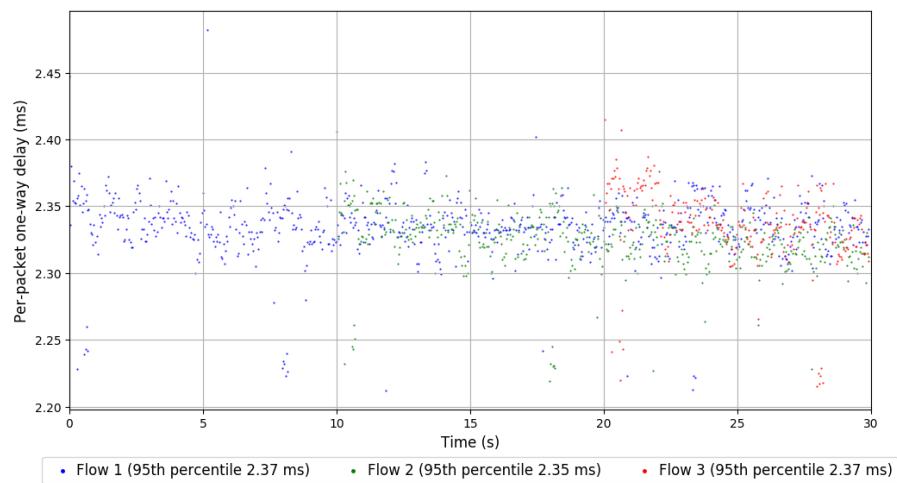
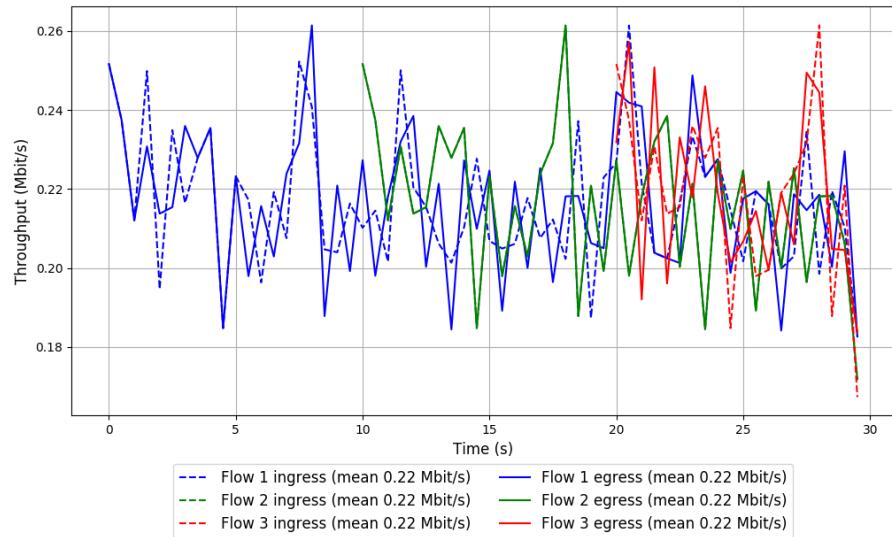


Run 5: Statistics of SCReAM

```
Start at: 2018-01-17 03:42:16
End at: 2018-01-17 03:42:46
Local clock offset: 0.368 ms
Remote clock offset: 1.102 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.371 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

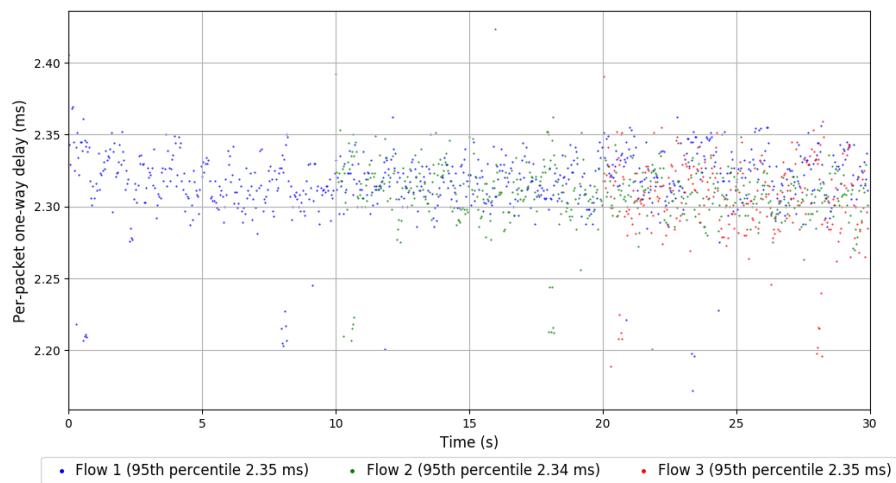
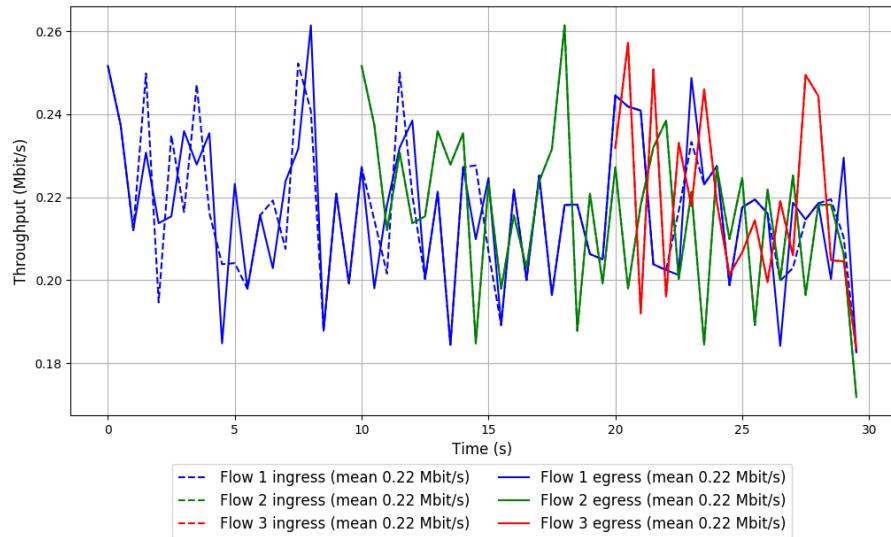


Run 6: Statistics of SCReAM

```
Start at: 2018-01-17 04:03:00
End at: 2018-01-17 04:03:30
Local clock offset: 0.351 ms
Remote clock offset: 1.667 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

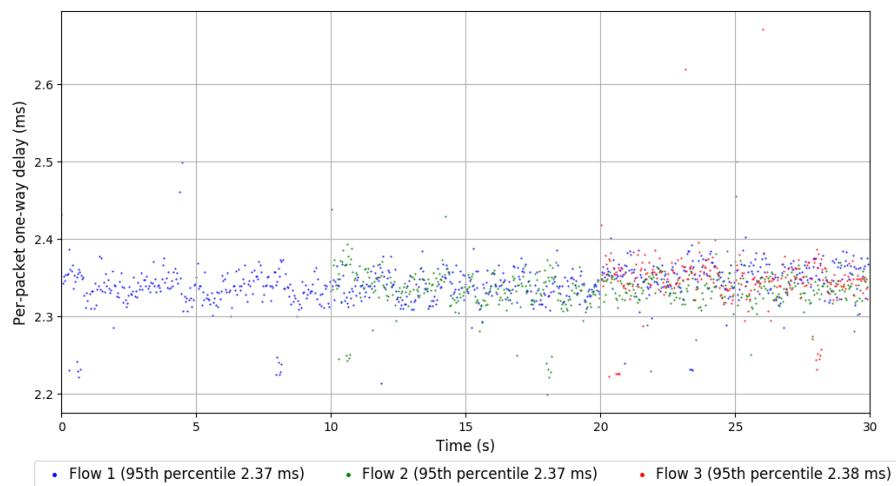
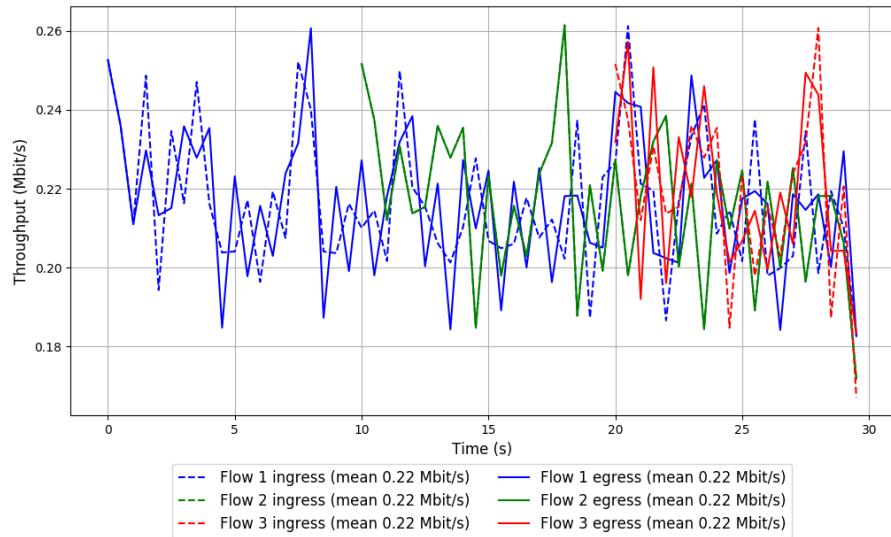


Run 7: Statistics of SCReAM

```
Start at: 2018-01-17 04:23:44
End at: 2018-01-17 04:24:14
Local clock offset: 0.343 ms
Remote clock offset: 1.76 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

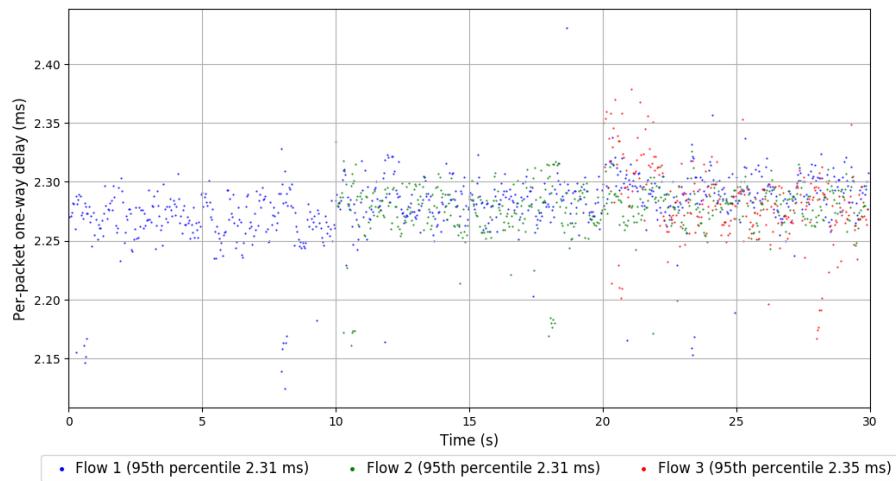
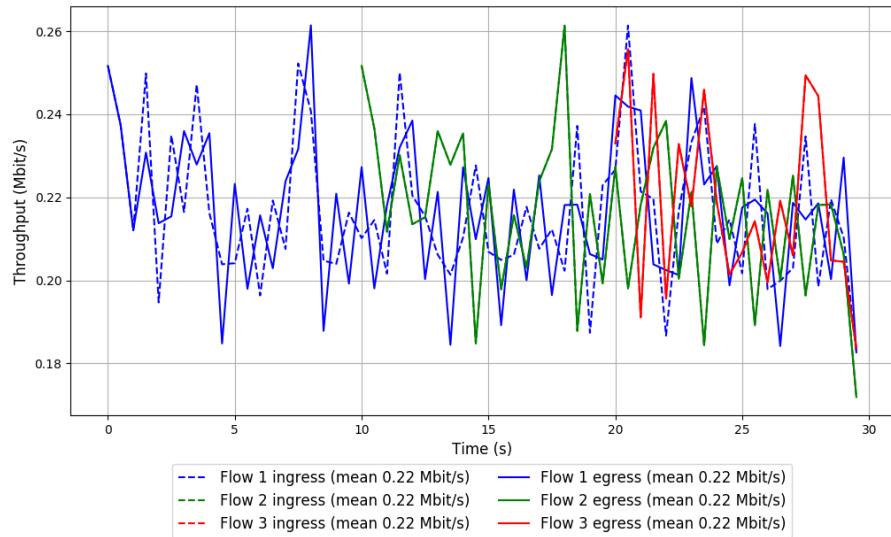


Run 8: Statistics of SCReAM

```
Start at: 2018-01-17 04:44:28
End at: 2018-01-17 04:44:58
Local clock offset: 0.351 ms
Remote clock offset: 1.665 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.313 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

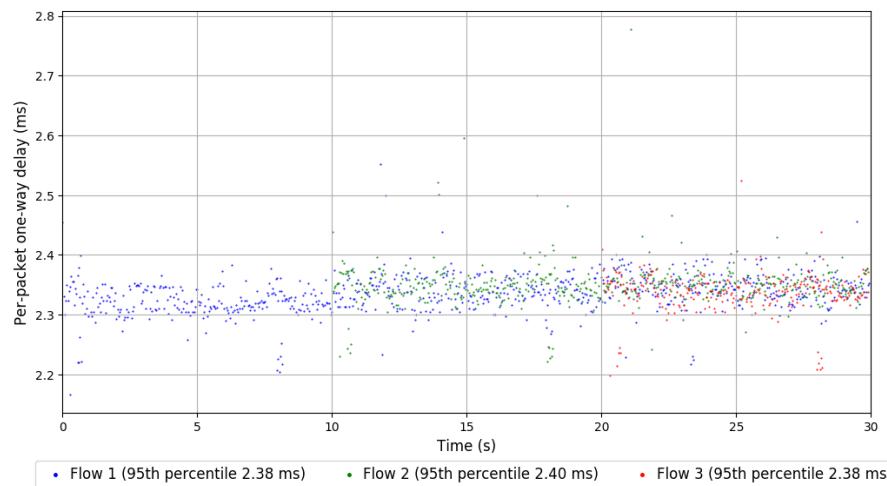
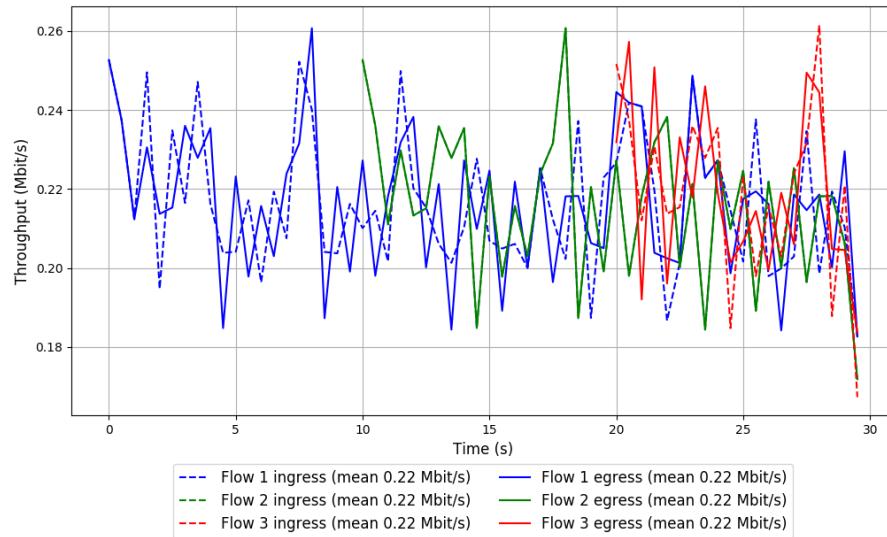


Run 9: Statistics of SCReAM

```
Start at: 2018-01-17 05:05:12
End at: 2018-01-17 05:05:42
Local clock offset: 0.347 ms
Remote clock offset: 1.369 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.376 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

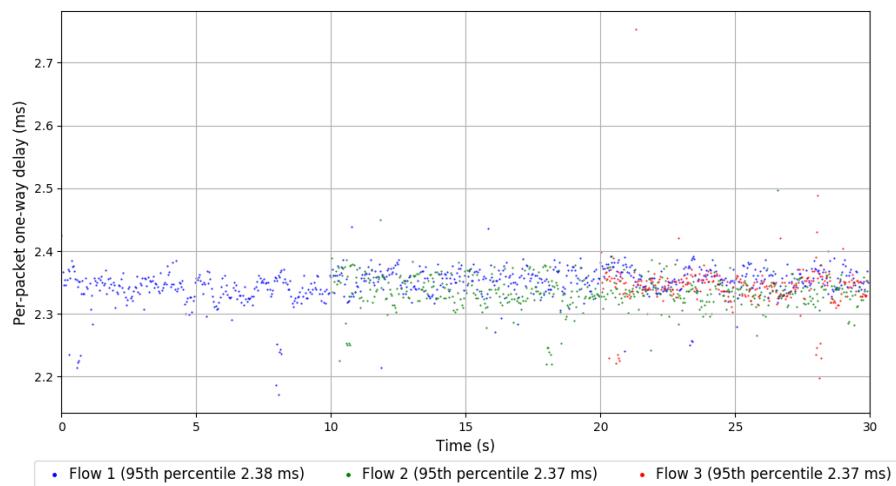
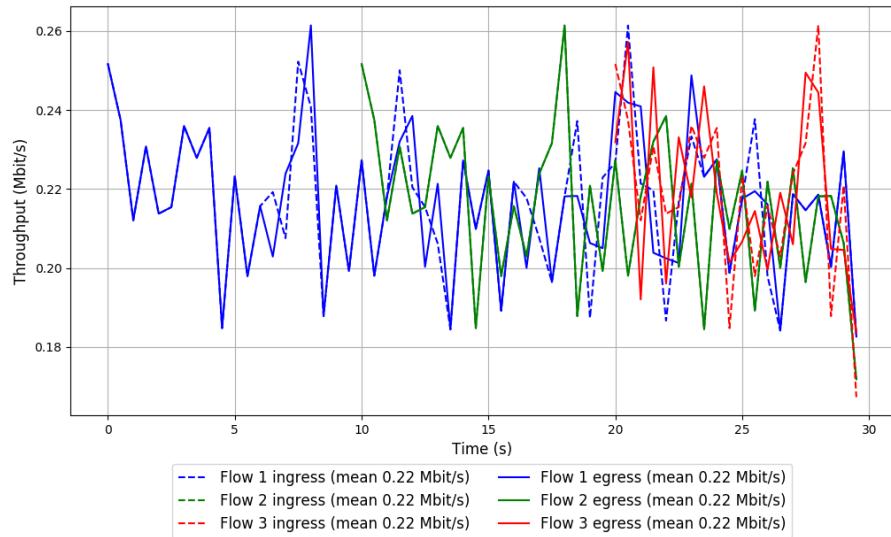


Run 10: Statistics of SCReAM

```
Start at: 2018-01-17 05:25:55
End at: 2018-01-17 05:26:25
Local clock offset: 0.286 ms
Remote clock offset: 1.021 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.371 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

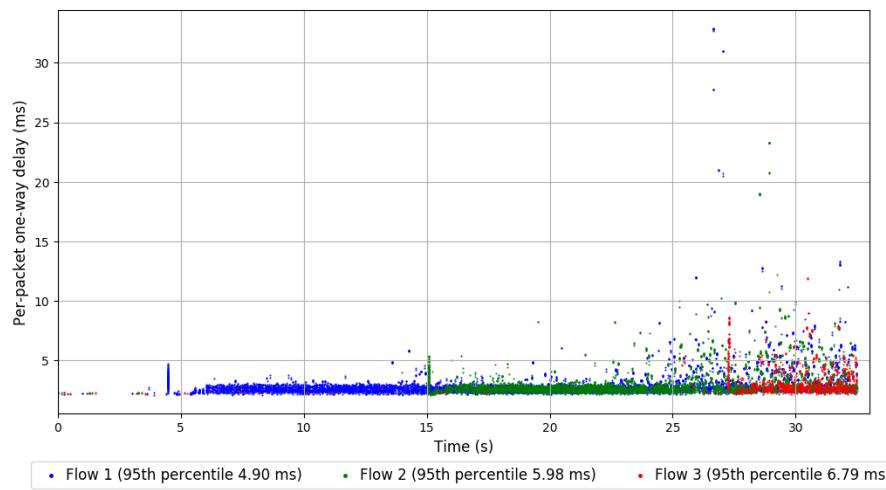
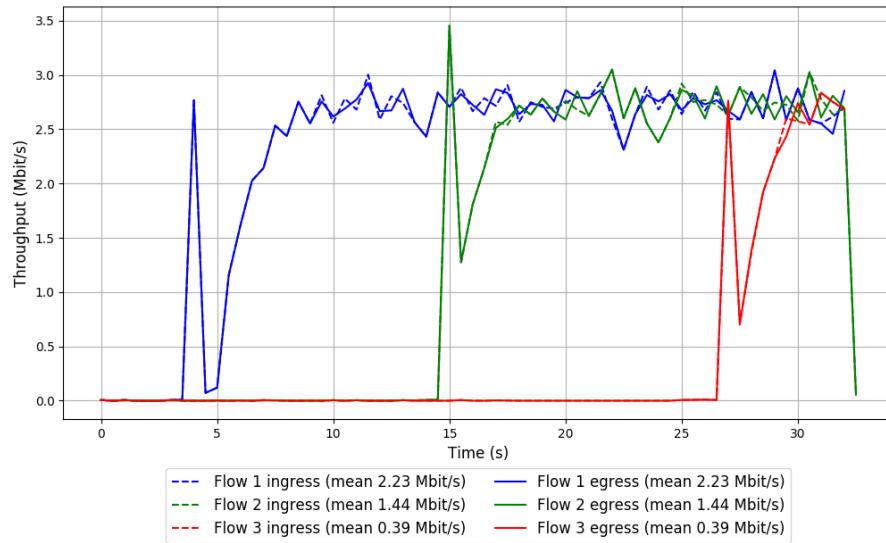


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-17 02:25:12
End at: 2018-01-17 02:25:42
Local clock offset: 0.384 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 5.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 4.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 5.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 6.789 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

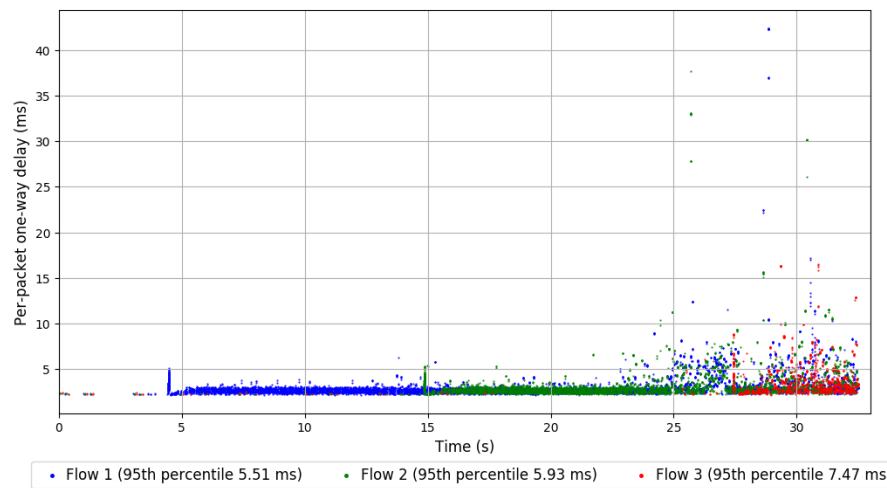
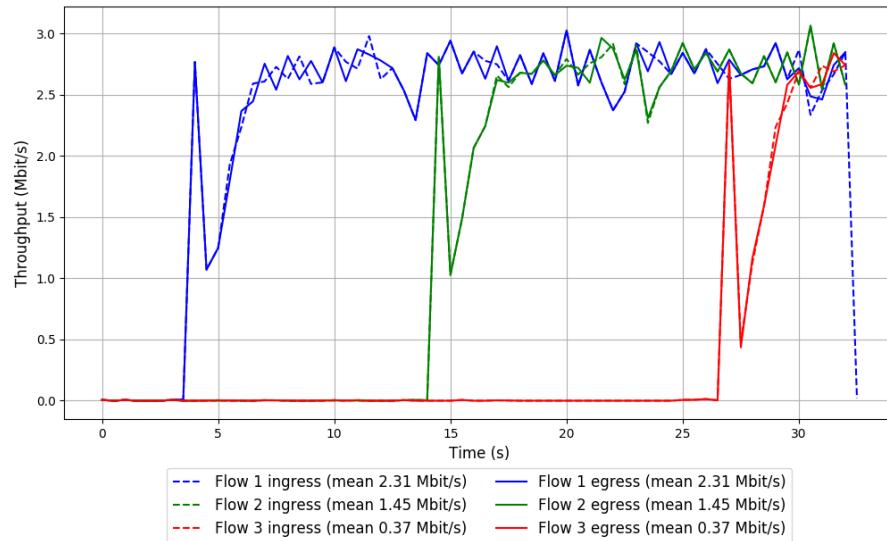


Run 2: Statistics of WebRTC media

```
Start at: 2018-01-17 02:45:54
End at: 2018-01-17 02:46:24
Local clock offset: 0.373 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 5.850 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 5.512 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.934 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 7.469 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

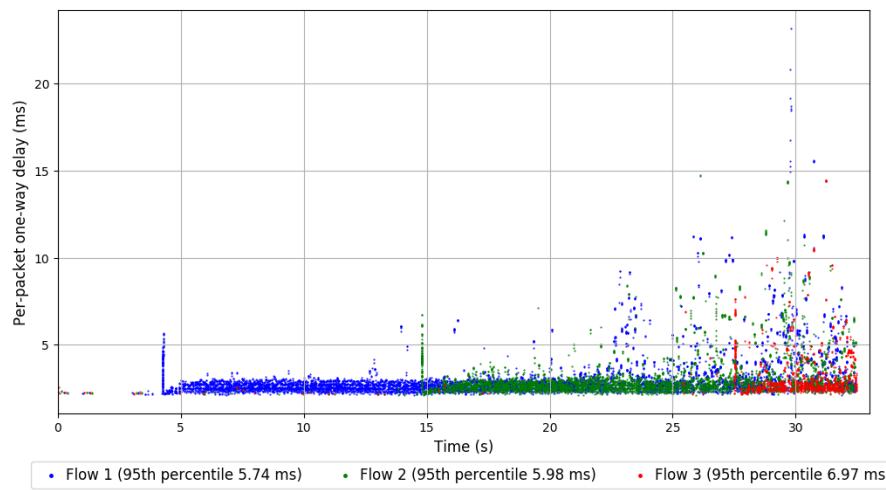
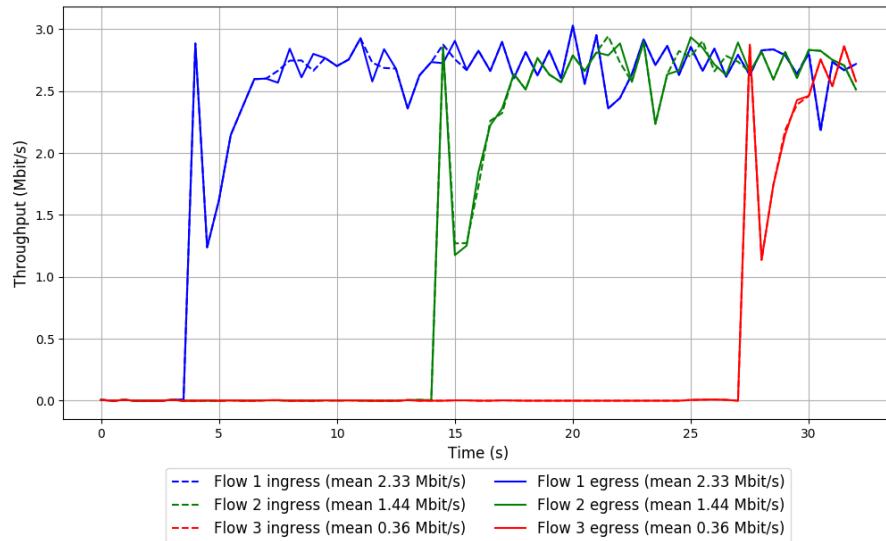


```
Run 3: Statistics of WebRTC media

Start at: 2018-01-17 03:06:37
End at: 2018-01-17 03:07:07
Local clock offset: 0.43 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 5.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 5.982 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 6.972 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

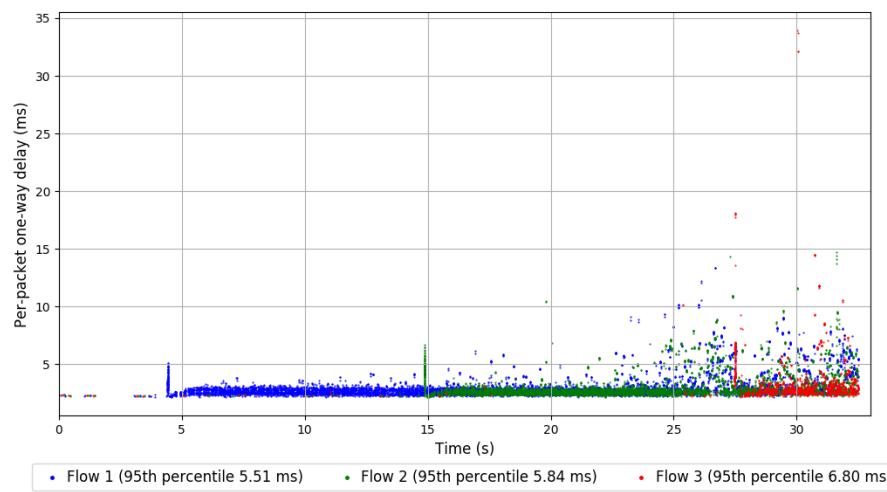
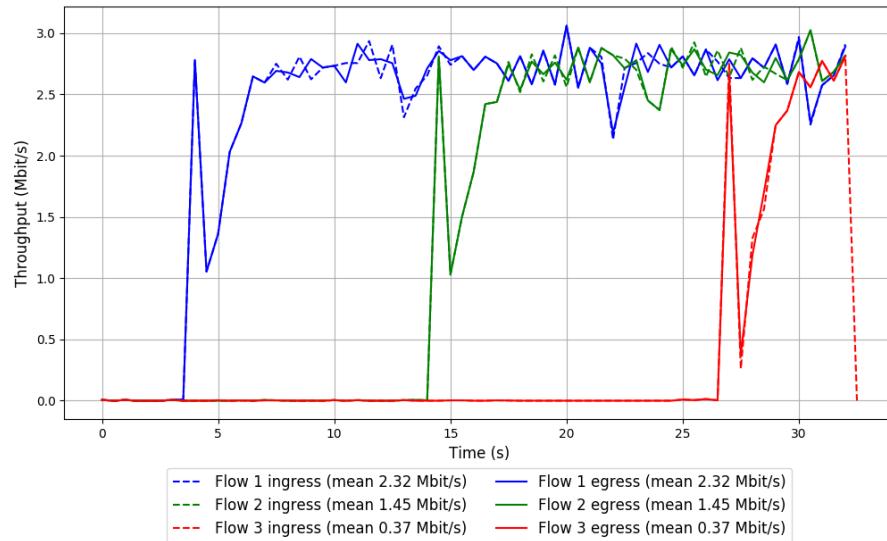


Run 4: Statistics of WebRTC media

```
Start at: 2018-01-17 03:27:18
End at: 2018-01-17 03:27:48
Local clock offset: 0.312 ms
Remote clock offset: 0.361 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 5.779 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 5.508 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.845 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 6.798 ms
Loss rate: 0.01%
```

Run 4: Report of WebRTC media — Data Link

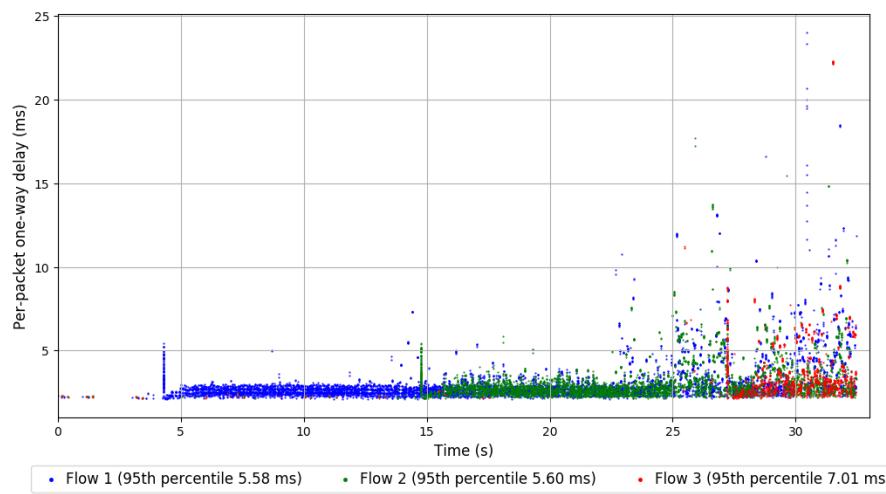
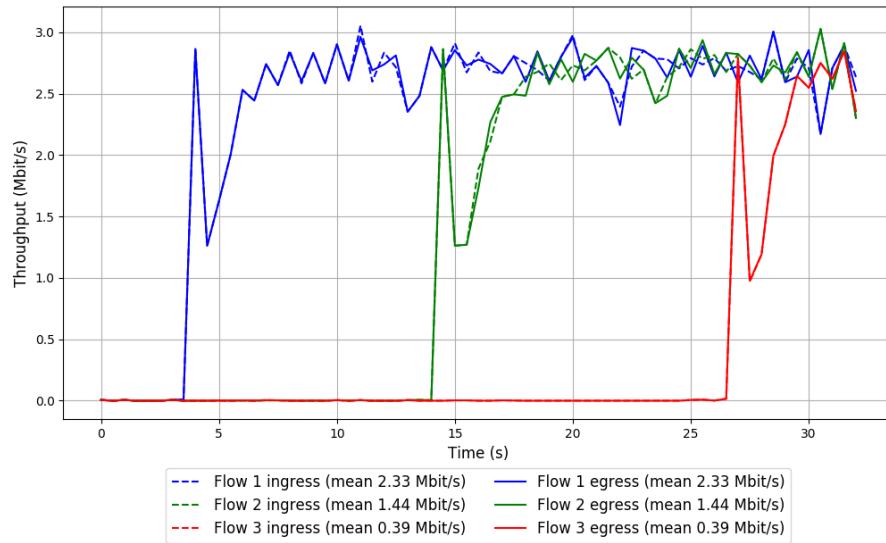


```
Run 5: Statistics of WebRTC media

Start at: 2018-01-17 03:48:02
End at: 2018-01-17 03:48:32
Local clock offset: 0.341 ms
Remote clock offset: 1.241 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 5.845 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.579 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 5.600 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 7.013 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

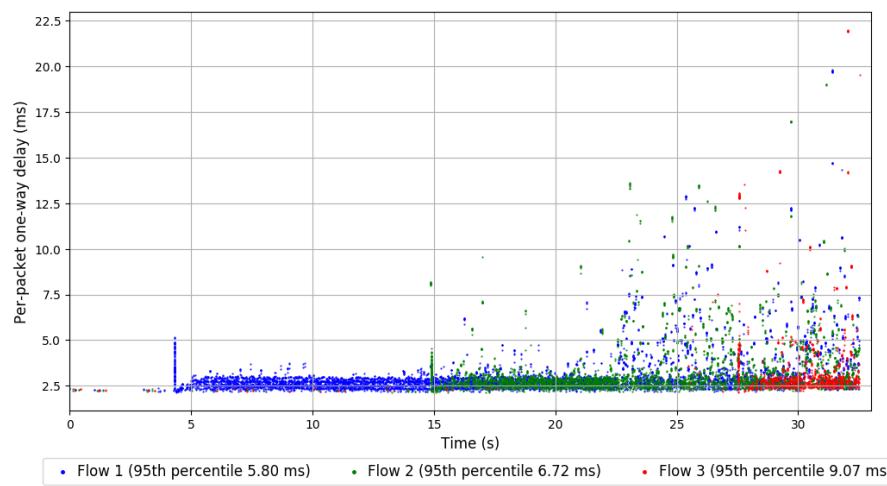
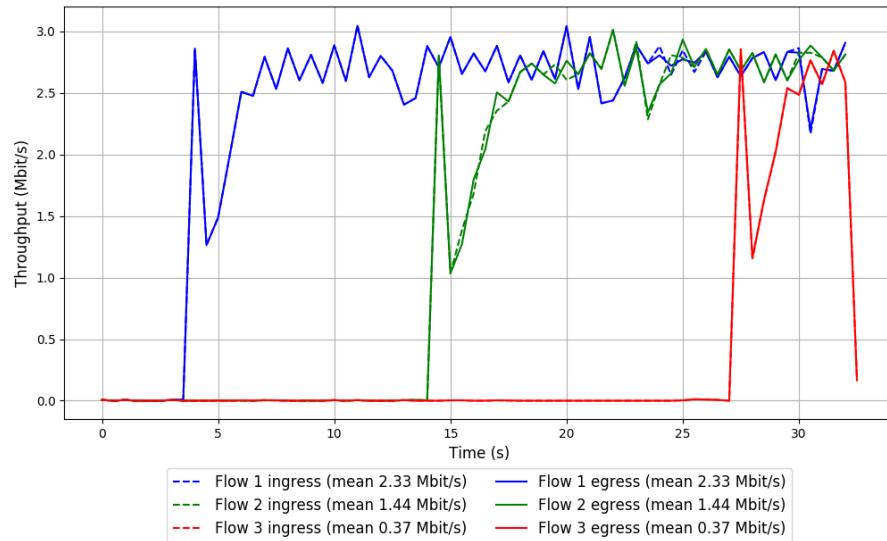


```
Run 6: Statistics of WebRTC media

Start at: 2018-01-17 04:08:46
End at: 2018-01-17 04:09:16
Local clock offset: 0.347 ms
Remote clock offset: 1.81 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 6.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.804 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 6.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 9.069 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

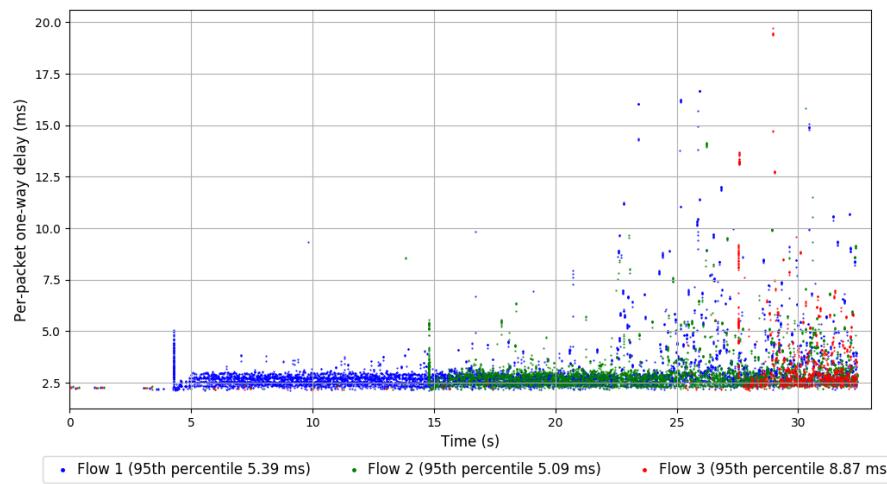
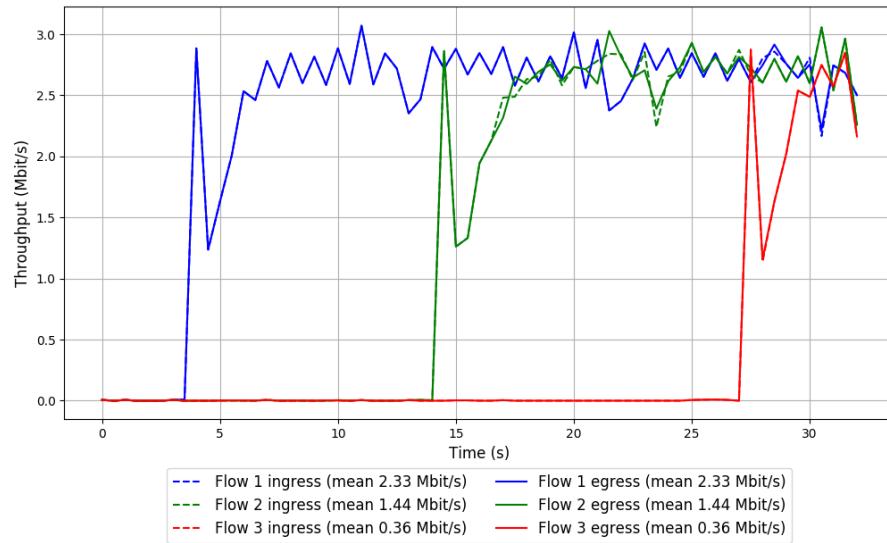


Run 7: Statistics of WebRTC media

```
Start at: 2018-01-17 04:29:30
End at: 2018-01-17 04:30:00
Local clock offset: 0.363 ms
Remote clock offset: 1.74 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 5.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.389 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 5.088 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 8.873 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

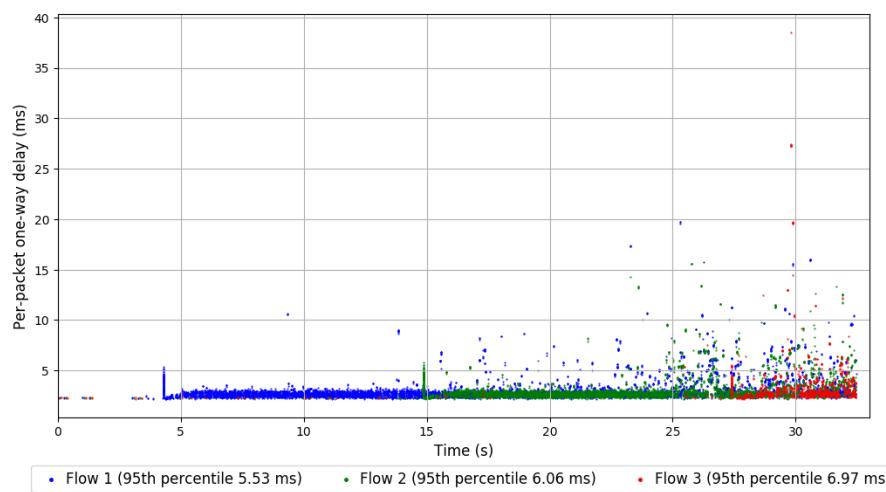
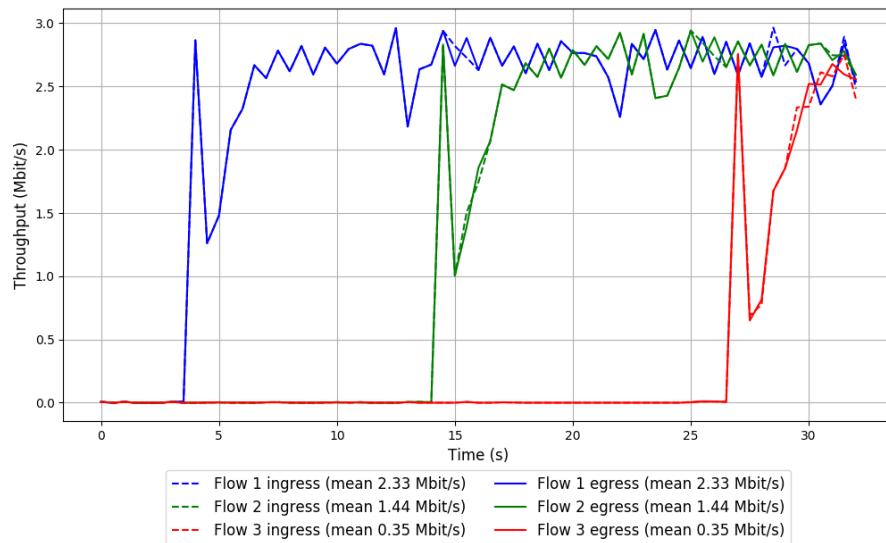


Run 8: Statistics of WebRTC media

```
Start at: 2018-01-17 04:50:14
End at: 2018-01-17 04:50:44
Local clock offset: 0.348 ms
Remote clock offset: 1.652 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 5.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 6.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 6.975 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

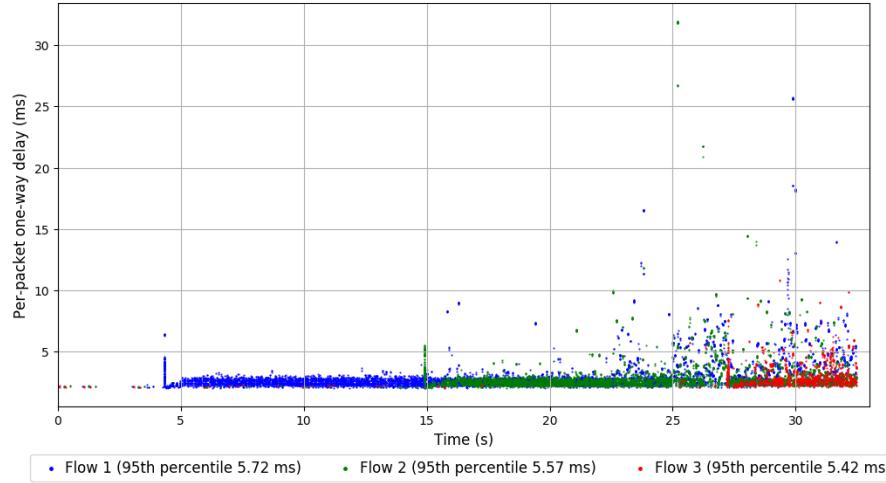
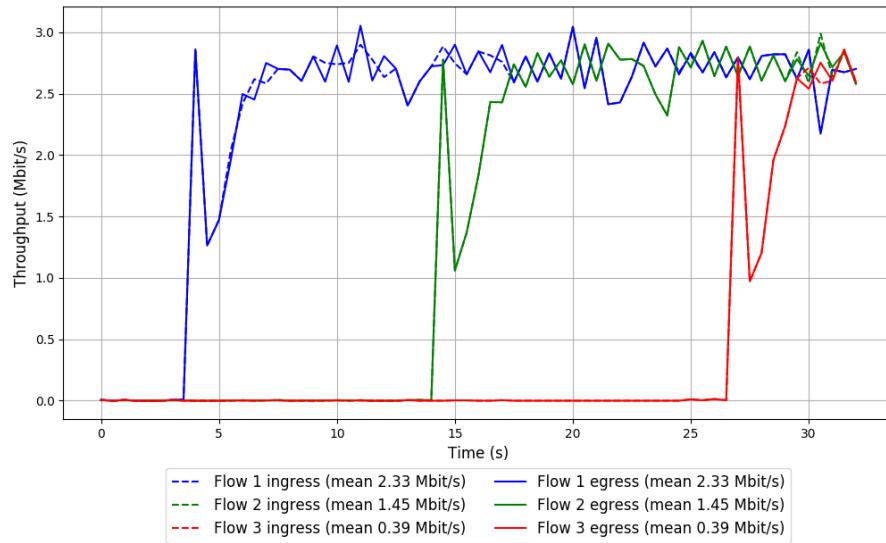


Run 9: Statistics of WebRTC media

```
Start at: 2018-01-17 05:10:58
End at: 2018-01-17 05:11:28
Local clock offset: 0.338 ms
Remote clock offset: 1.191 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 5.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 5.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 5.415 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

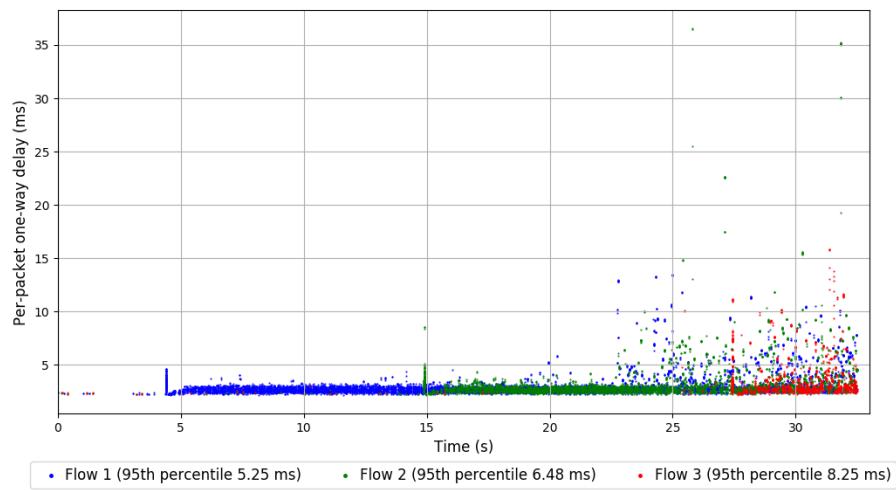
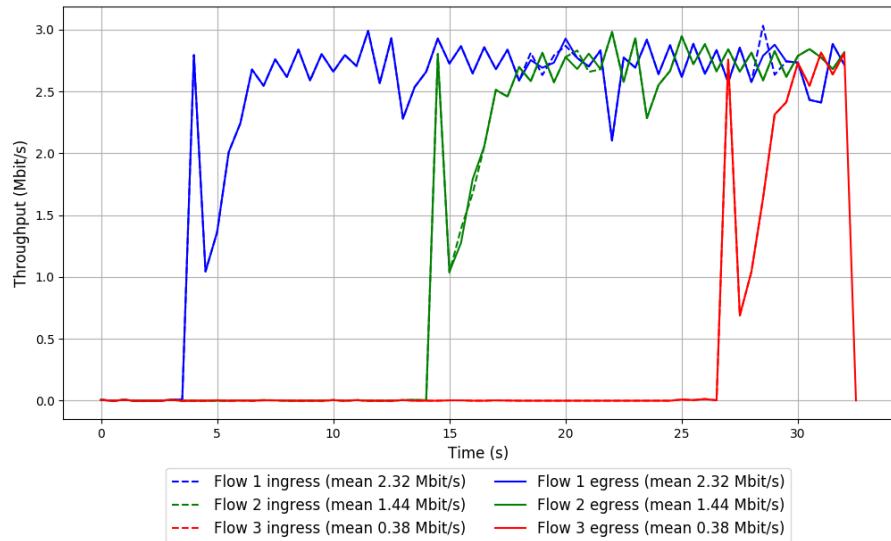


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-01-17 05:31:41
End at: 2018-01-17 05:32:11
Local clock offset: 0.276 ms
Remote clock offset: 0.881 ms

# Below is generated by plot.py at 2018-01-17 06:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 6.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 5.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 6.476 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 8.251 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

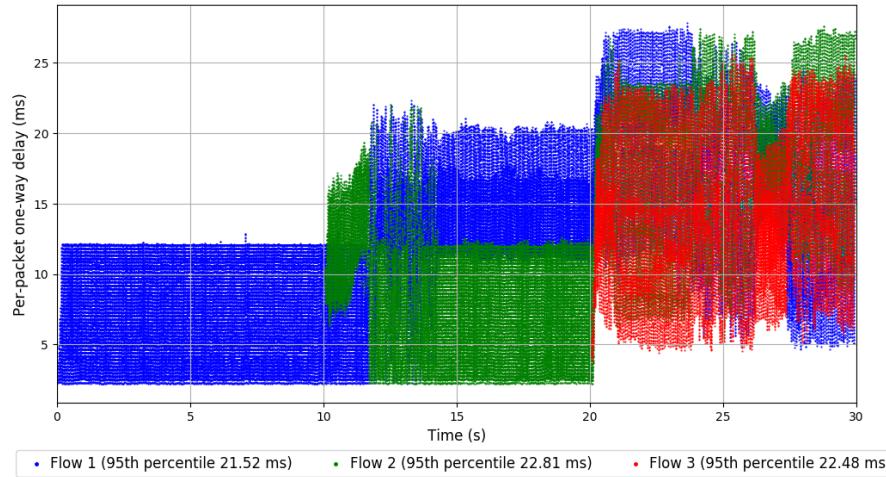
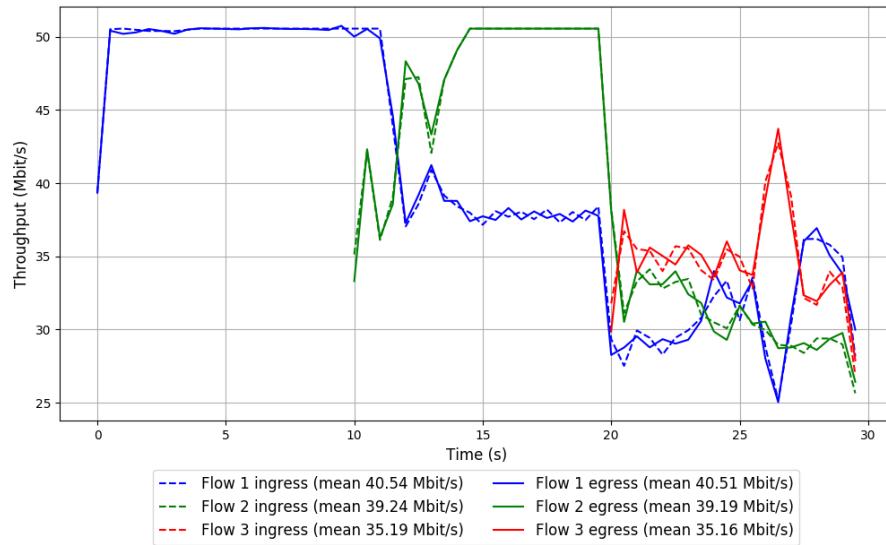


Run 1: Statistics of Sprout

```
Start at: 2018-01-17 02:37:53
End at: 2018-01-17 02:38:23
Local clock offset: 0.439 ms
Remote clock offset: -0.227 ms

# Below is generated by plot.py at 2018-01-17 06:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 22.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 21.520 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 22.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 22.481 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

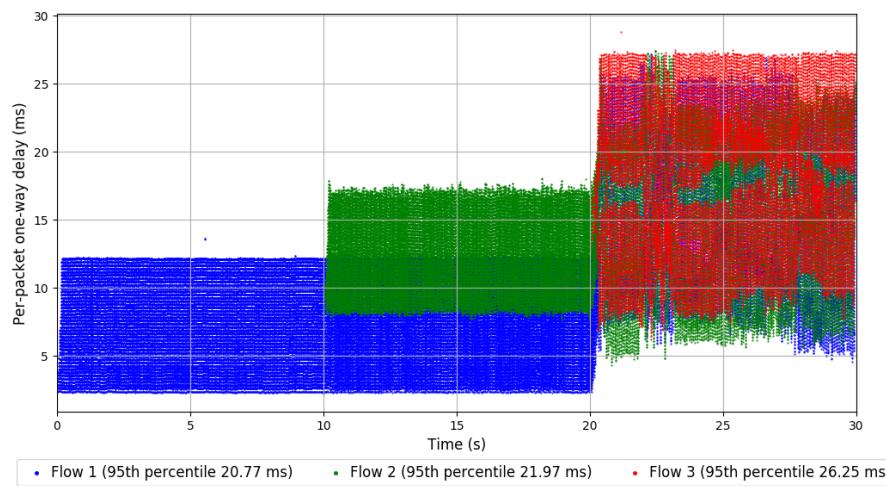
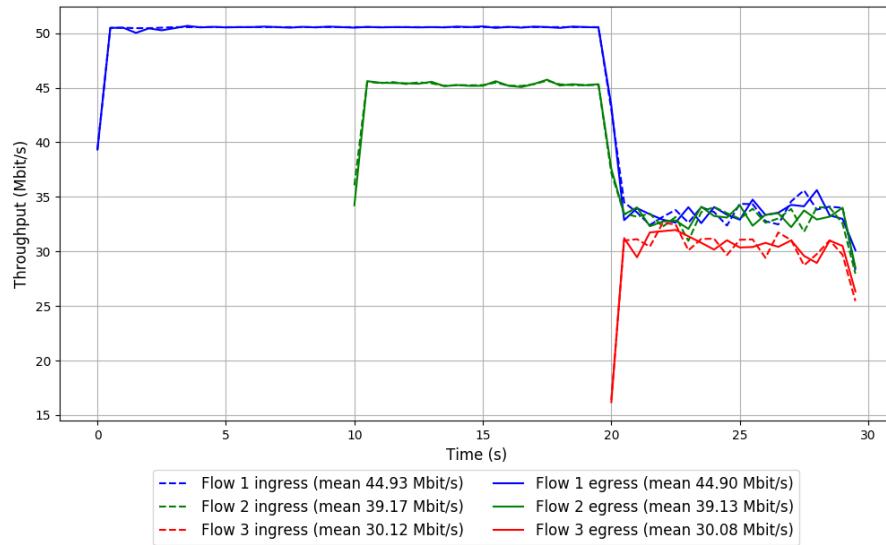


Run 2: Statistics of Sprout

```
Start at: 2018-01-17 02:58:35
End at: 2018-01-17 02:59:05
Local clock offset: 0.353 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-01-17 06:24:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 22.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 20.765 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 21.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 26.253 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

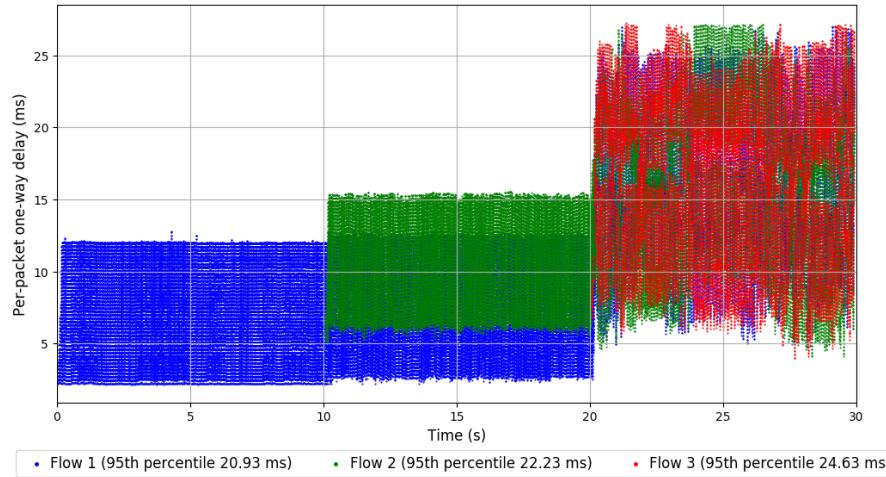
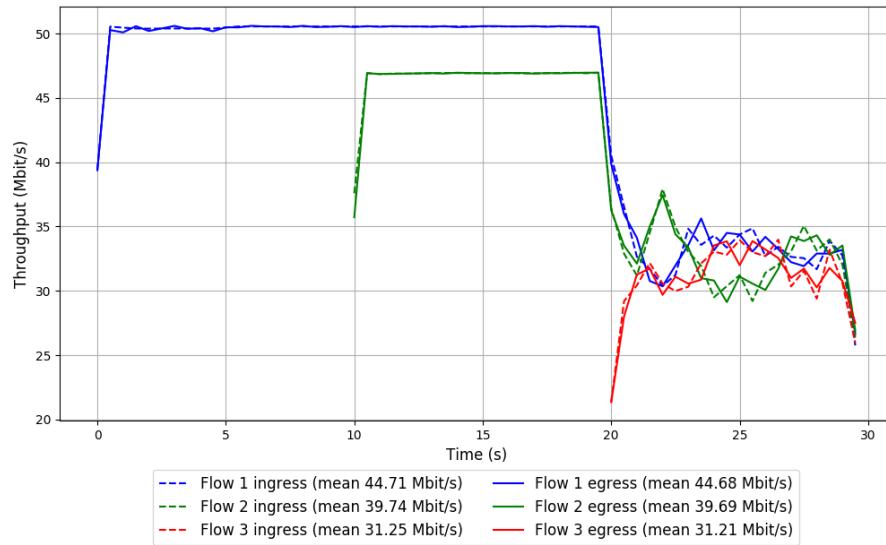


Run 3: Statistics of Sprout

```
Start at: 2018-01-17 03:19:16
End at: 2018-01-17 03:19:46
Local clock offset: 0.415 ms
Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2018-01-17 06:24:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.38 Mbit/s
95th percentile per-packet one-way delay: 22.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 20.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 22.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 24.629 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

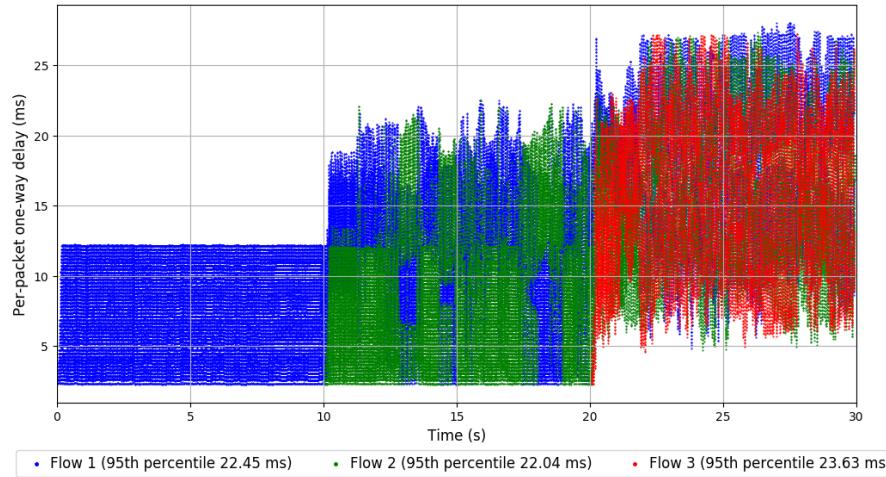
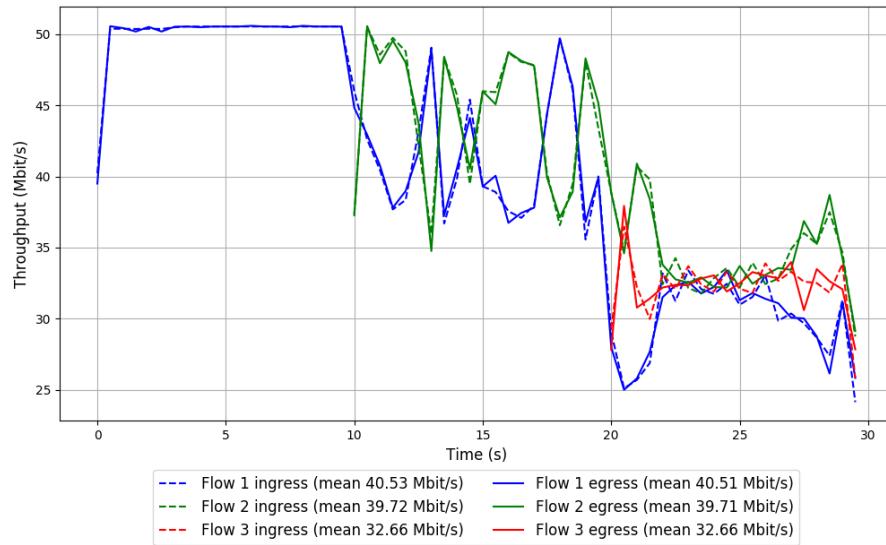


Run 4: Statistics of Sprout

```
Start at: 2018-01-17 03:40:00
End at: 2018-01-17 03:40:30
Local clock offset: 0.287 ms
Remote clock offset: 0.93 ms

# Below is generated by plot.py at 2018-01-17 06:24:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 22.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 22.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 22.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 23.631 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

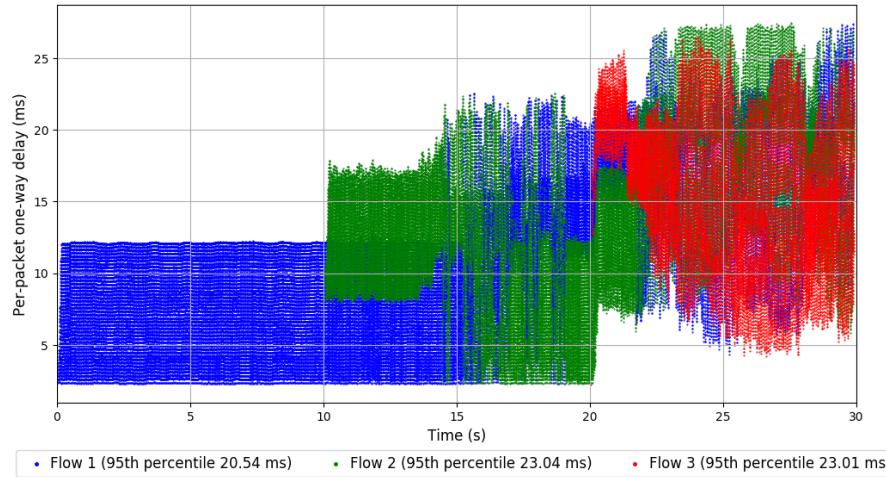
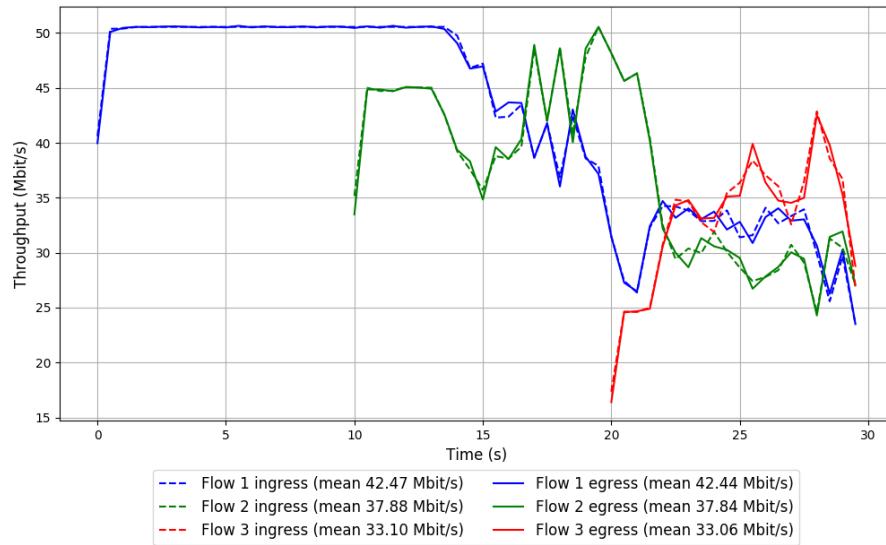


Run 5: Statistics of Sprout

```
Start at: 2018-01-17 04:00:45
End at: 2018-01-17 04:01:15
Local clock offset: 0.318 ms
Remote clock offset: 1.609 ms

# Below is generated by plot.py at 2018-01-17 06:24:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.54 Mbit/s
95th percentile per-packet one-way delay: 21.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 20.537 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 23.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 23.006 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

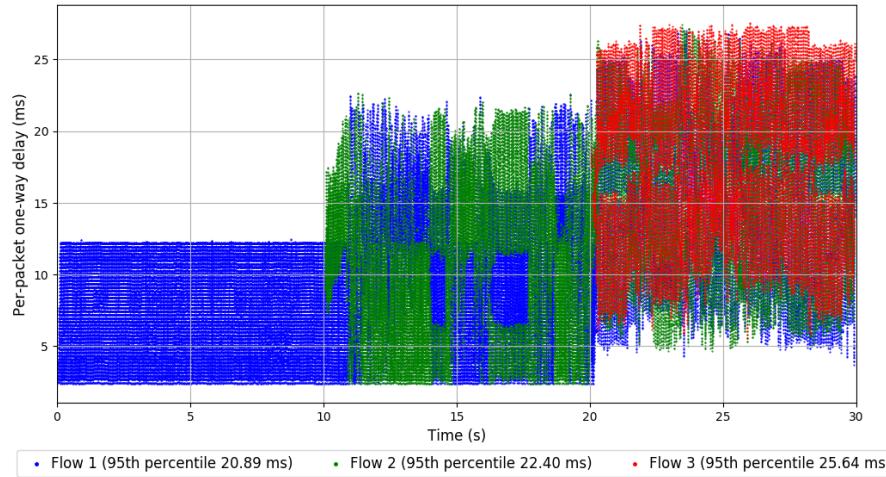
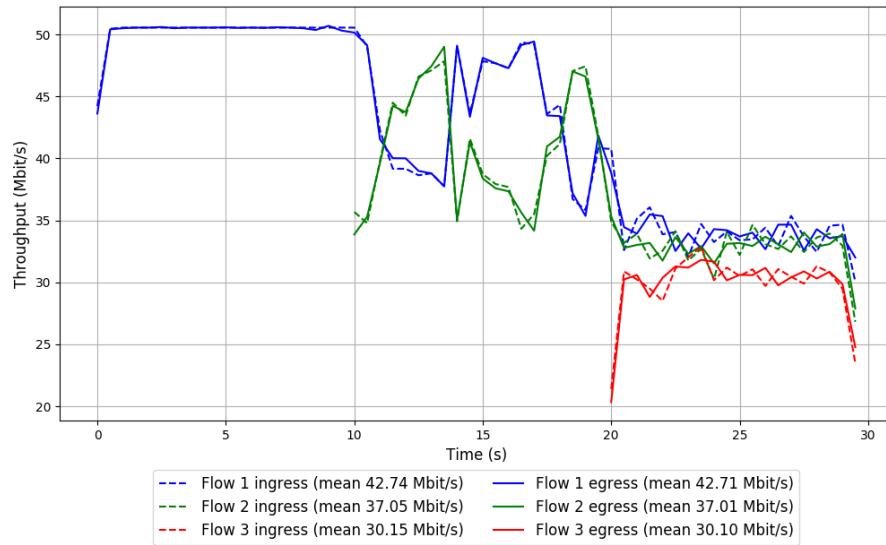


Run 6: Statistics of Sprout

```
Start at: 2018-01-17 04:21:29
End at: 2018-01-17 04:21:59
Local clock offset: 0.286 ms
Remote clock offset: 1.776 ms

# Below is generated by plot.py at 2018-01-17 06:24:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 22.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 20.885 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 22.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 25.638 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

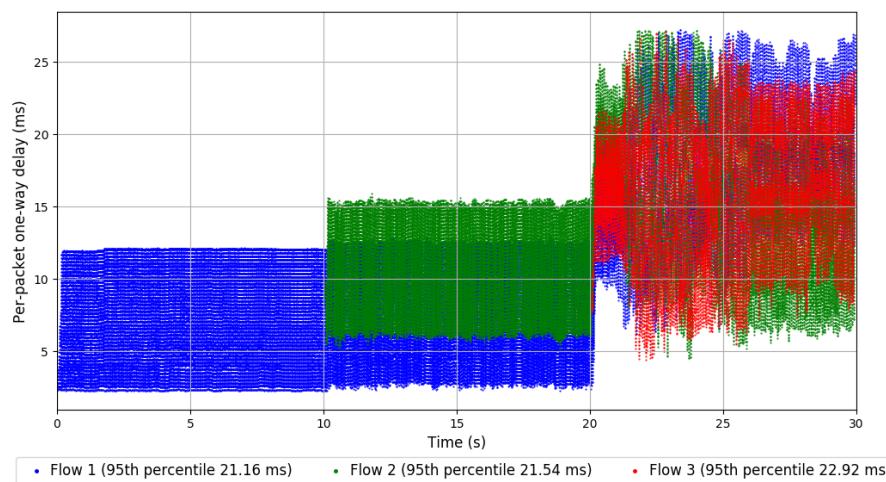
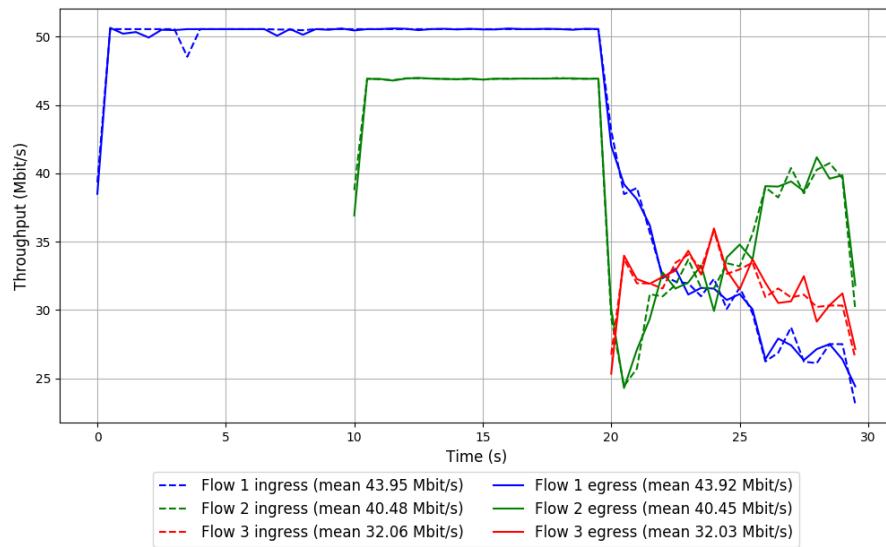


Run 7: Statistics of Sprout

```
Start at: 2018-01-17 04:42:13
End at: 2018-01-17 04:42:43
Local clock offset: 0.296 ms
Remote clock offset: 1.692 ms

# Below is generated by plot.py at 2018-01-17 06:24:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.40 Mbit/s
95th percentile per-packet one-way delay: 21.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.92 Mbit/s
95th percentile per-packet one-way delay: 21.163 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 21.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 22.918 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

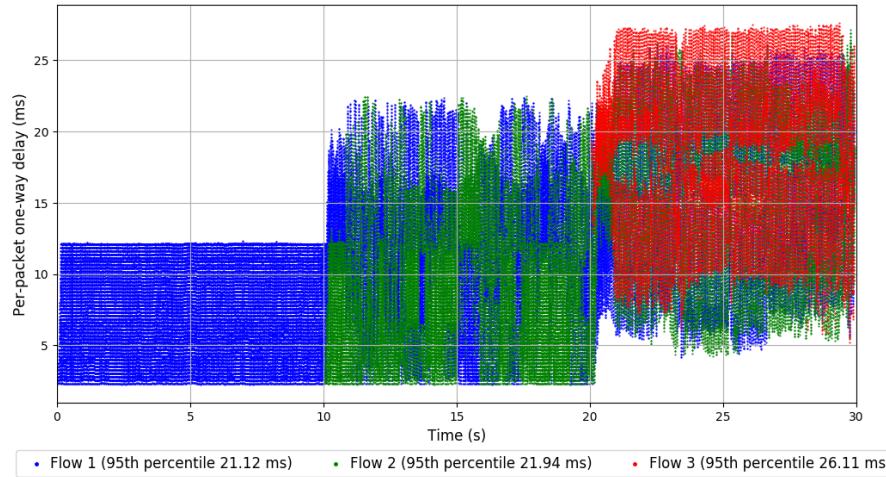
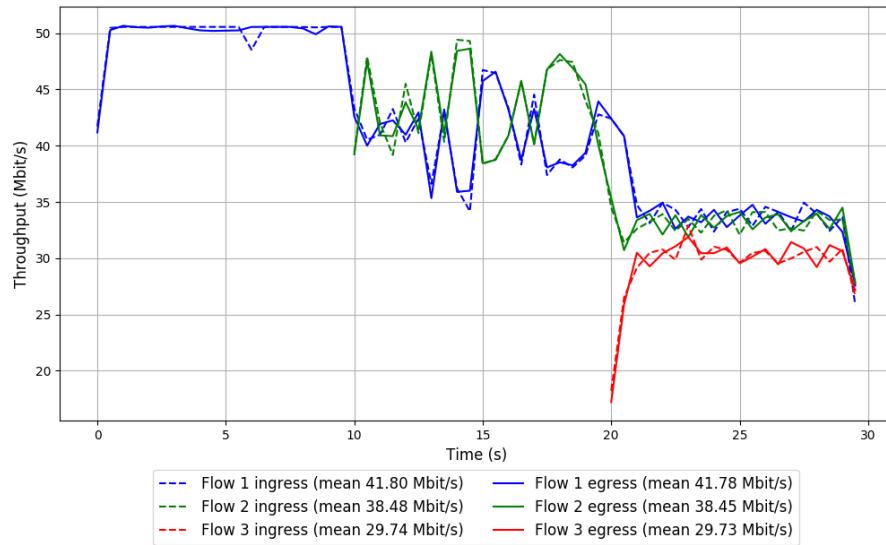


Run 8: Statistics of Sprout

```
Start at: 2018-01-17 05:02:57
End at: 2018-01-17 05:03:27
Local clock offset: 0.34 ms
Remote clock offset: 1.413 ms

# Below is generated by plot.py at 2018-01-17 06:25:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 22.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 21.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 21.944 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 26.109 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

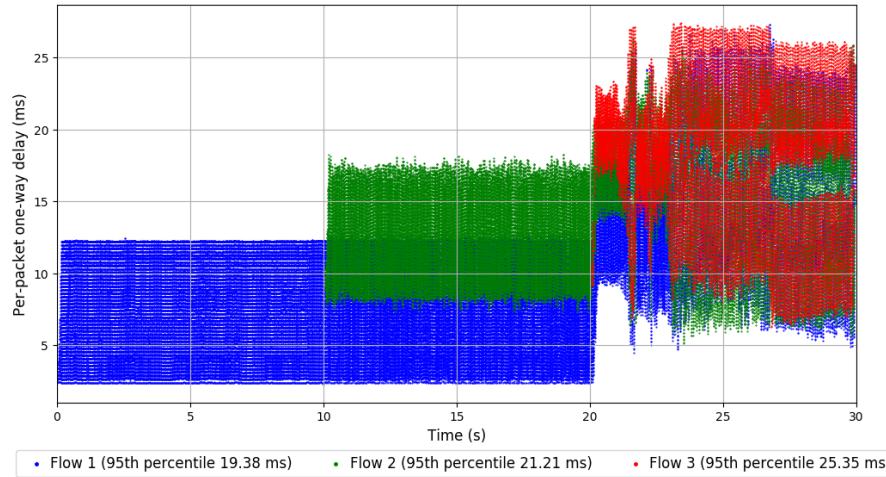
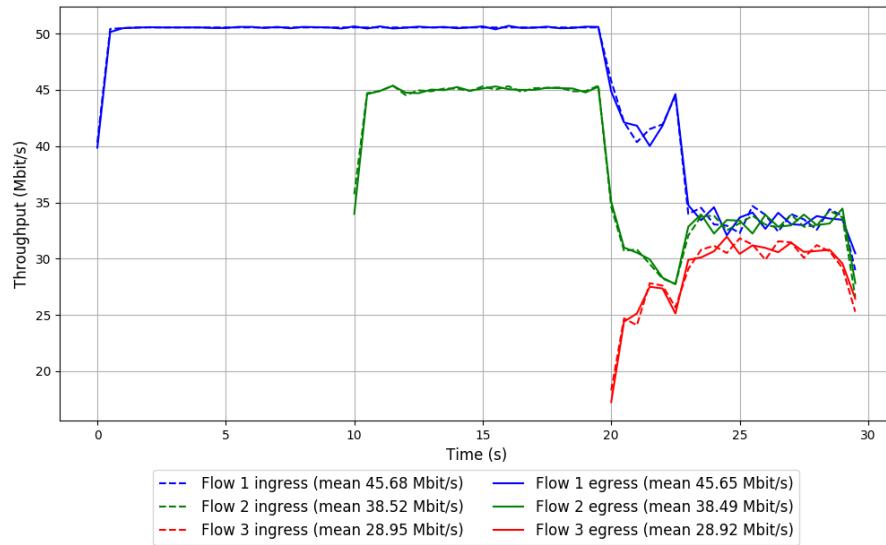


Run 9: Statistics of Sprout

```
Start at: 2018-01-17 05:23:40
End at: 2018-01-17 05:24:10
Local clock offset: 0.203 ms
Remote clock offset: 1.07 ms

# Below is generated by plot.py at 2018-01-17 06:25:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.80 Mbit/s
95th percentile per-packet one-way delay: 21.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 21.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 25.351 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

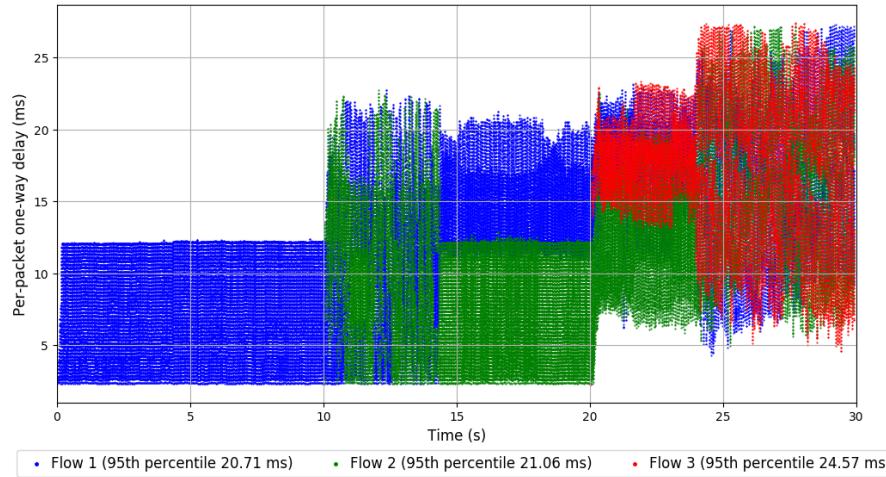
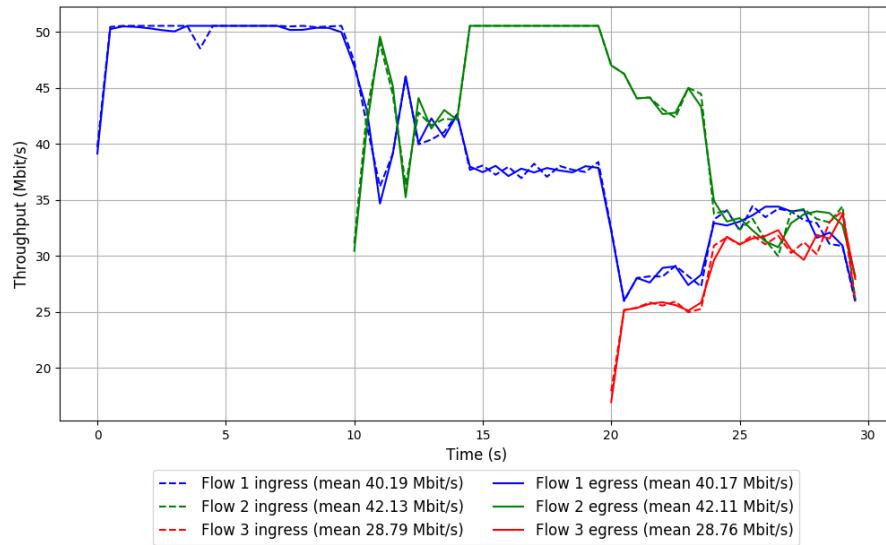


Run 10: Statistics of Sprout

```
Start at: 2018-01-17 05:44:24
End at: 2018-01-17 05:44:54
Local clock offset: 0.226 ms
Remote clock offset: 0.6 ms

# Below is generated by plot.py at 2018-01-17 06:25:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 21.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 20.706 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.11 Mbit/s
95th percentile per-packet one-way delay: 21.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 24.573 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

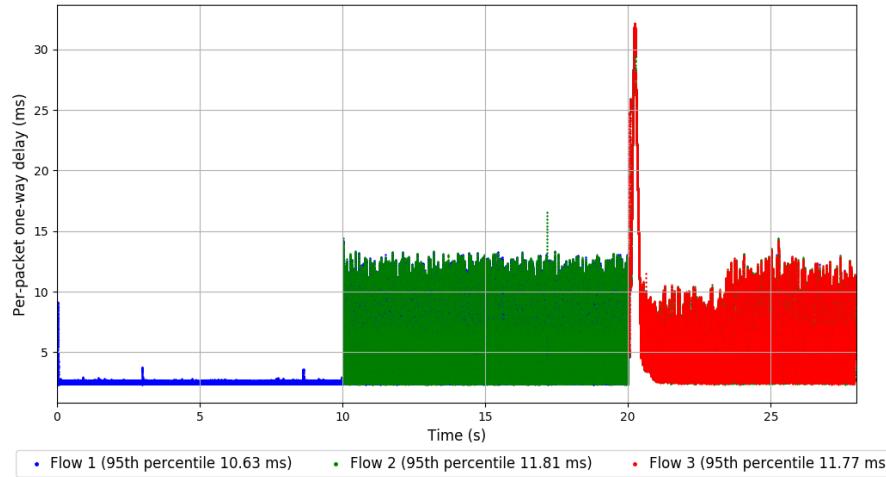
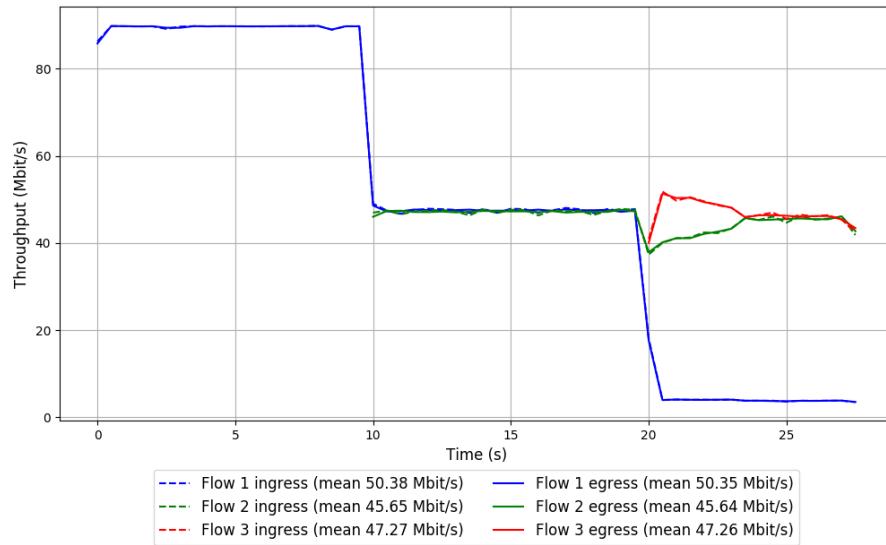


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-01-17 02:24:00
End at: 2018-01-17 02:24:30
Local clock offset: 0.382 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-01-17 06:26:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 11.335 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 10.634 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 11.807 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 11.771 ms
Loss rate: 0.07%
```

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

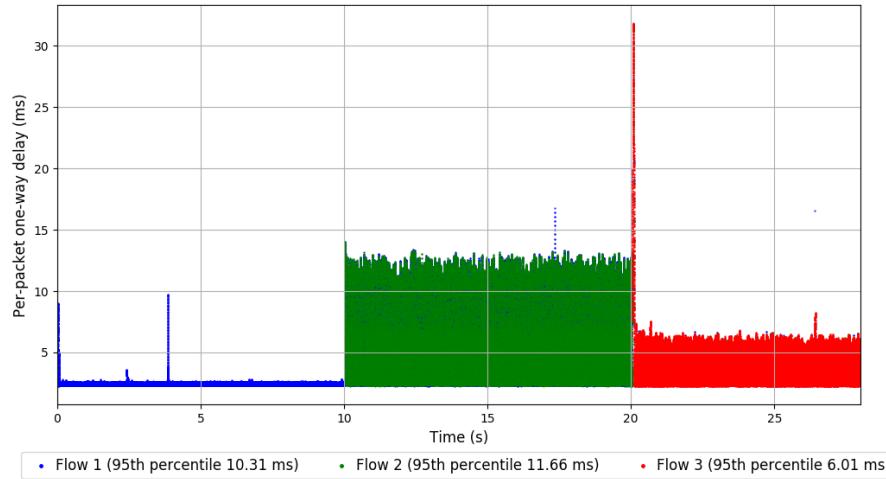
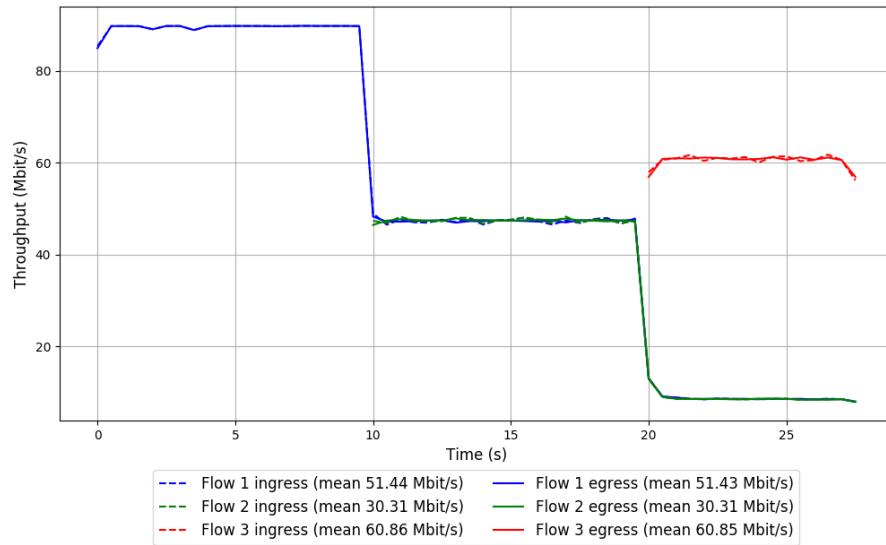


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-01-17 02:44:42
End at: 2018-01-17 02:45:12
Local clock offset: 0.465 ms
Remote clock offset: -0.161 ms

# Below is generated by plot.py at 2018-01-17 06:26:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 10.688 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 10.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 11.656 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 6.012 ms
Loss rate: 0.07%
```

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

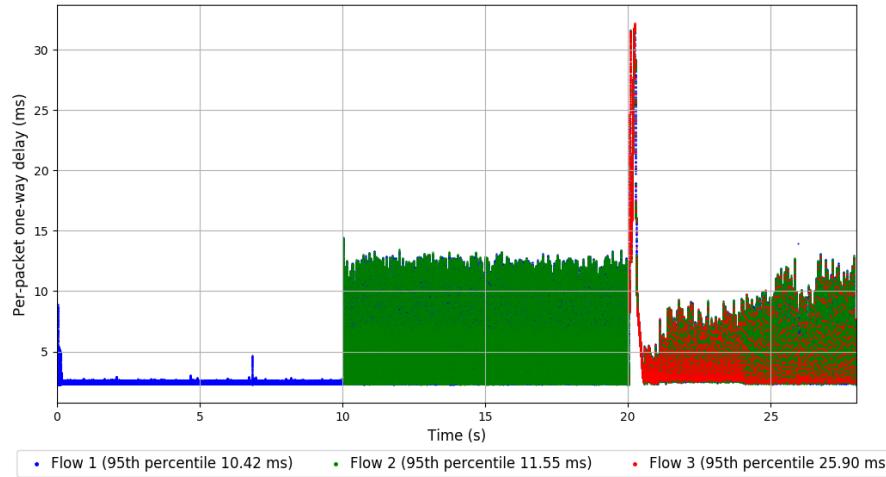
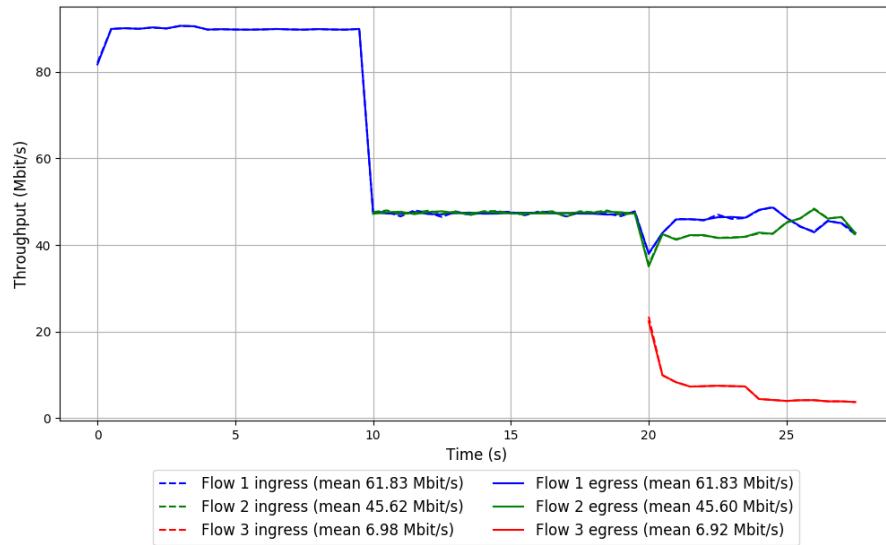


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-01-17 03:05:25
End at: 2018-01-17 03:05:55
Local clock offset: 0.385 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-01-17 06:26:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 11.042 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 10.418 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 11.547 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 25.903 ms
Loss rate: 0.92%
```

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

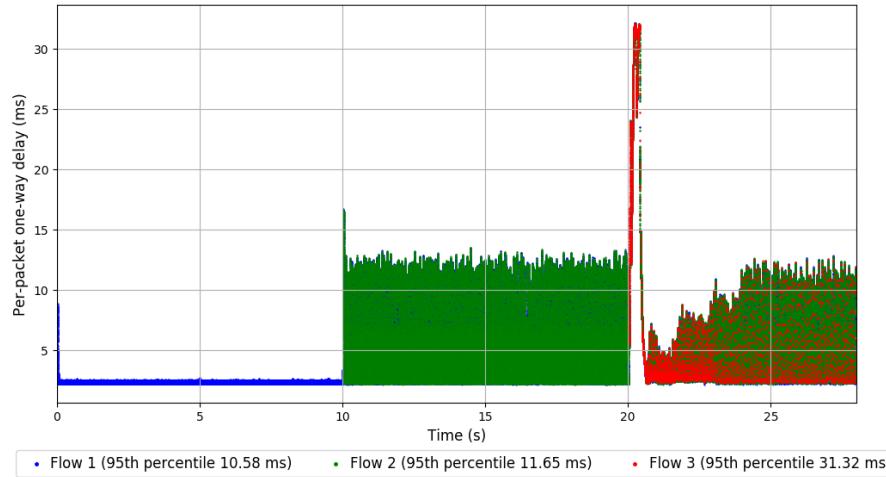
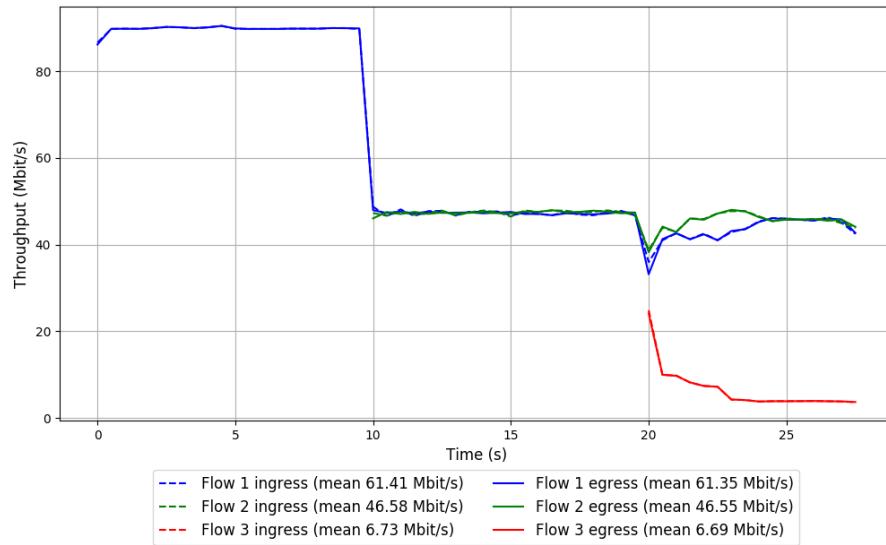


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-01-17 03:26:06
End at: 2018-01-17 03:26:36
Local clock offset: 0.391 ms
Remote clock offset: 0.308 ms

# Below is generated by plot.py at 2018-01-17 06:26:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 11.182 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: 10.579 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 11.649 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 31.315 ms
Loss rate: 0.63%
```

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

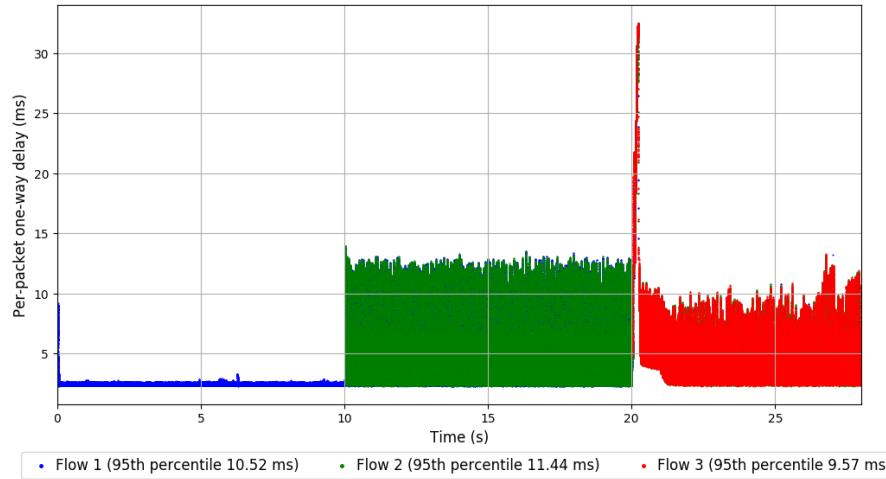
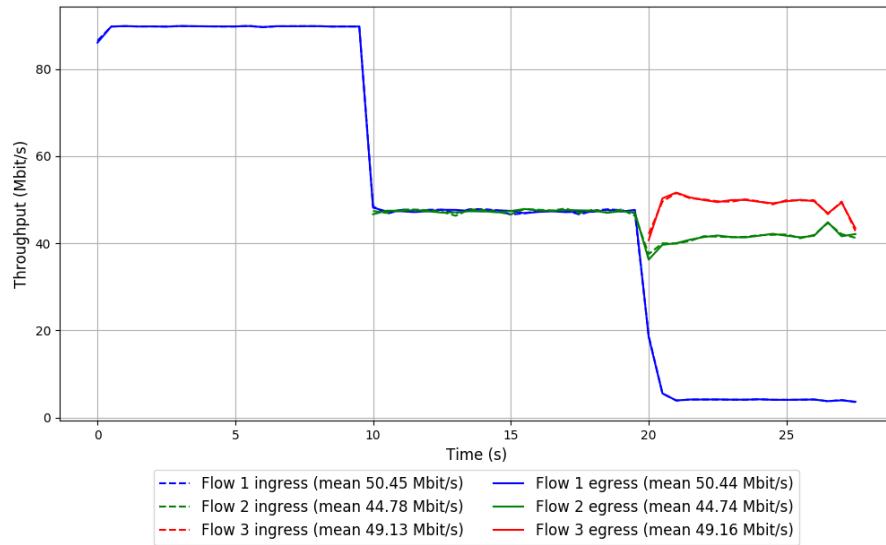


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-01-17 03:46:50
End at: 2018-01-17 03:47:20
Local clock offset: 0.285 ms
Remote clock offset: 1.208 ms

# Below is generated by plot.py at 2018-01-17 06:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 10.858 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 10.518 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 11.443 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 9.572 ms
Loss rate: 0.01%
```

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

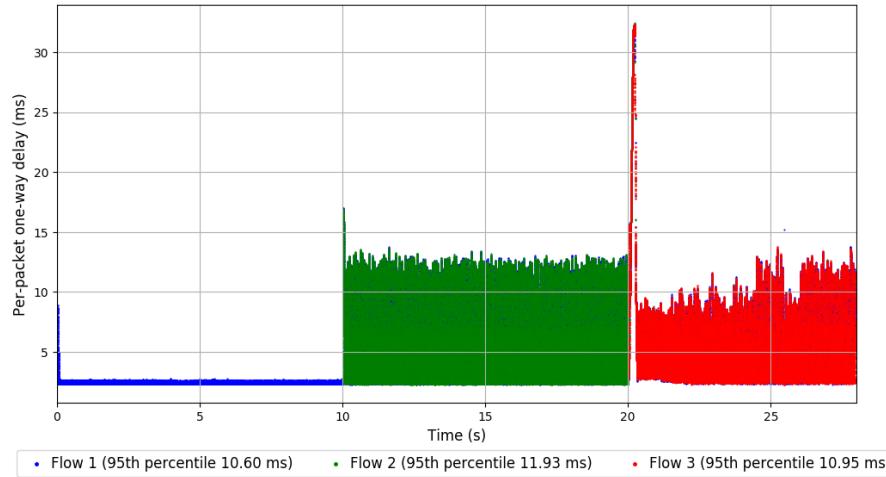
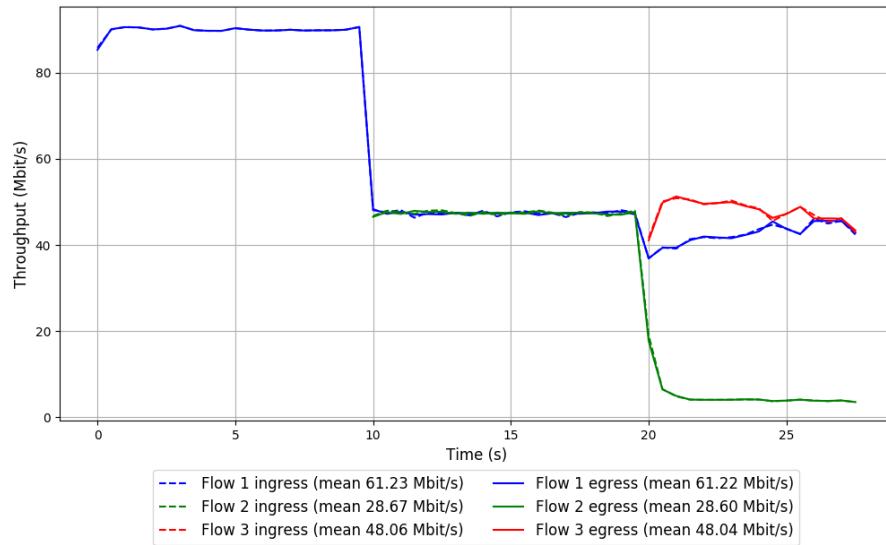


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-01-17 04:07:34
End at: 2018-01-17 04:08:04
Local clock offset: 0.309 ms
Remote clock offset: 1.782 ms

# Below is generated by plot.py at 2018-01-17 06:27:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 11.166 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 10.604 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 11.929 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 10.953 ms
Loss rate: 0.02%
```

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

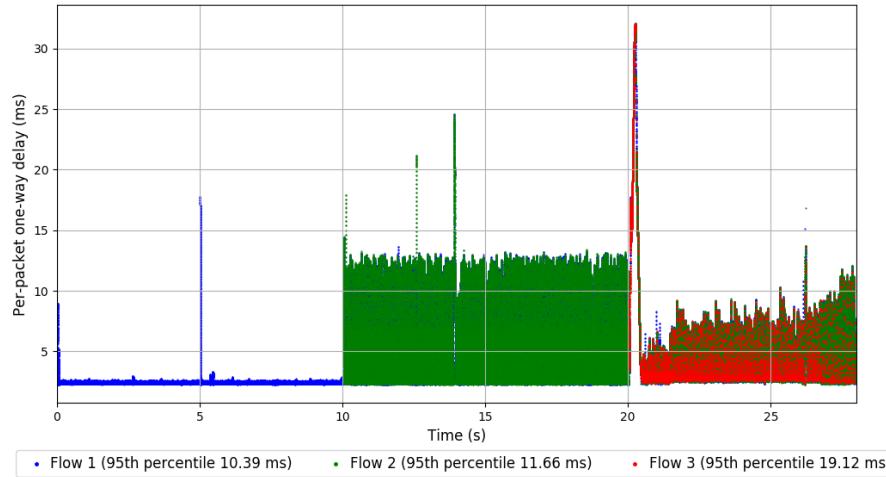
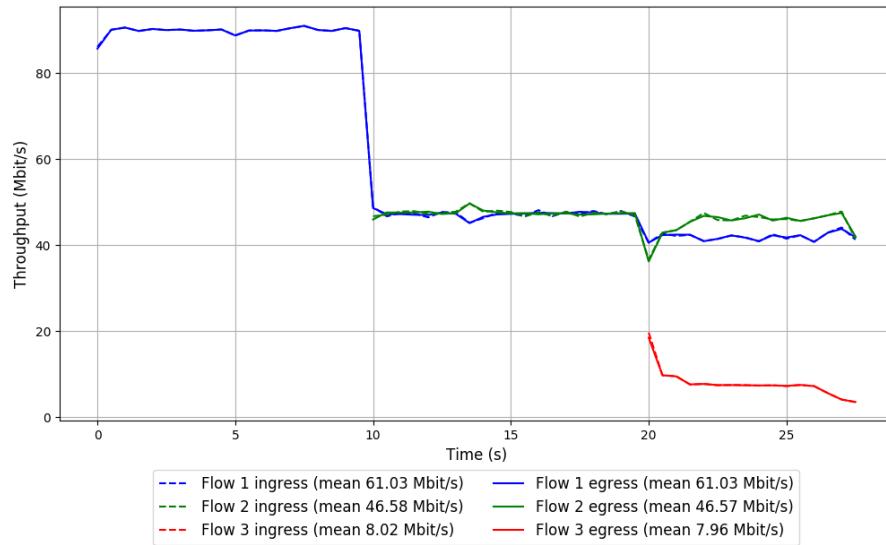


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-01-17 04:28:18
End at: 2018-01-17 04:28:48
Local clock offset: 0.364 ms
Remote clock offset: 1.754 ms

# Below is generated by plot.py at 2018-01-17 06:27:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 11.085 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.03 Mbit/s
95th percentile per-packet one-way delay: 10.388 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.57 Mbit/s
95th percentile per-packet one-way delay: 11.657 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 19.119 ms
Loss rate: 0.89%
```

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

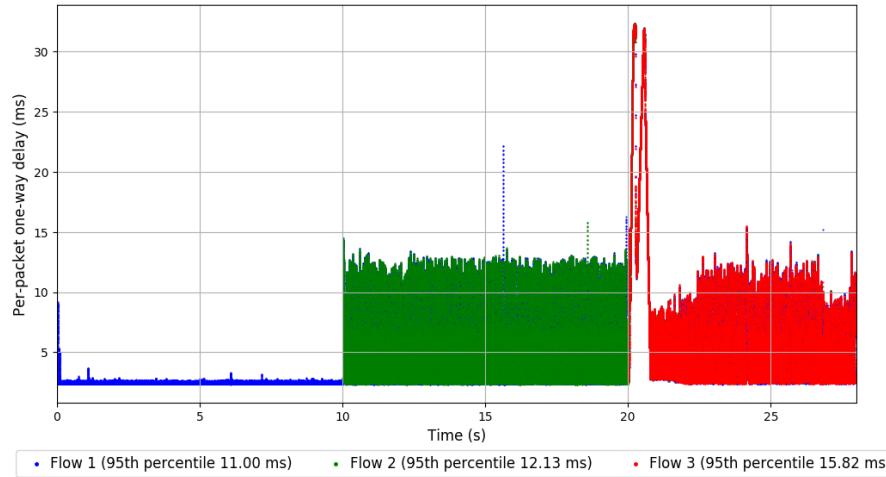
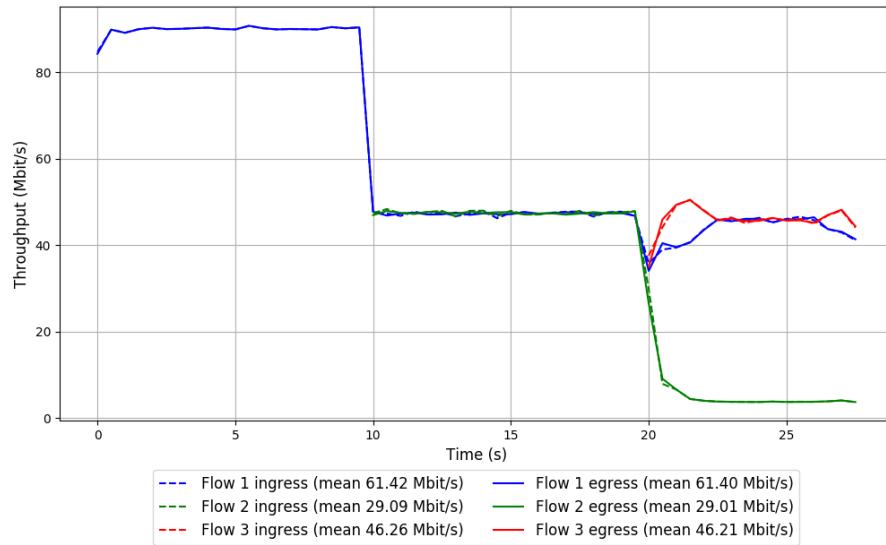


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-01-17 04:49:03
End at: 2018-01-17 04:49:33
Local clock offset: 0.274 ms
Remote clock offset: 1.637 ms

# Below is generated by plot.py at 2018-01-17 06:27:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 11.627 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 11.002 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 12.130 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 15.820 ms
Loss rate: 0.05%
```

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

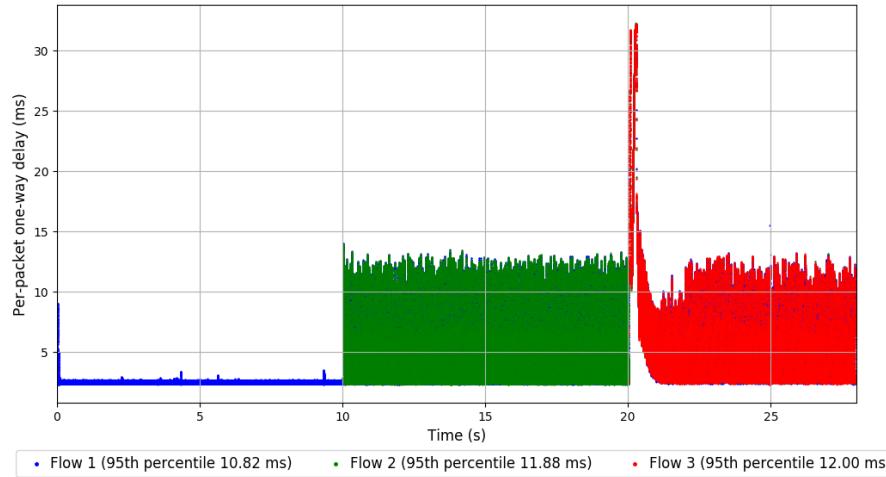
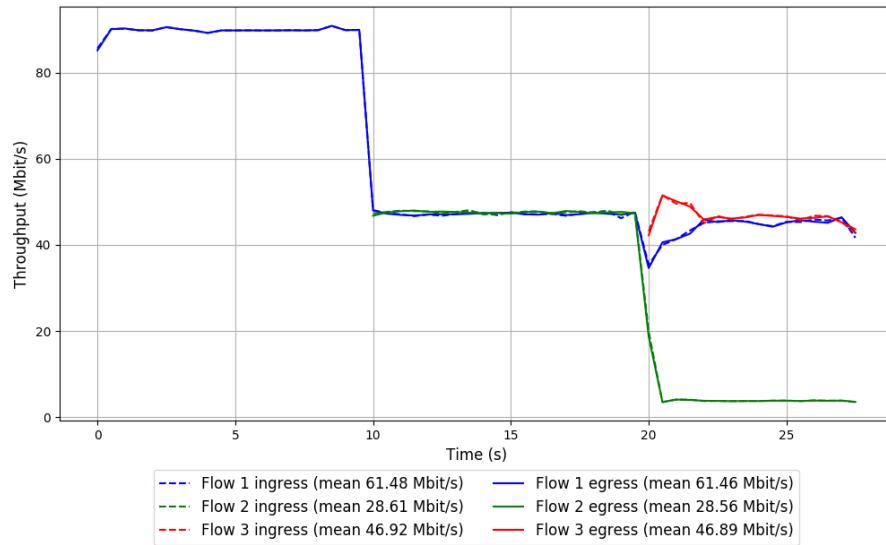


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-01-17 05:09:46
End at: 2018-01-17 05:10:16
Local clock offset: 0.269 ms
Remote clock offset: 1.273 ms

# Below is generated by plot.py at 2018-01-17 06:28:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 11.349 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.46 Mbit/s
95th percentile per-packet one-way delay: 10.820 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 11.876 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 12.000 ms
Loss rate: 0.02%
```

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

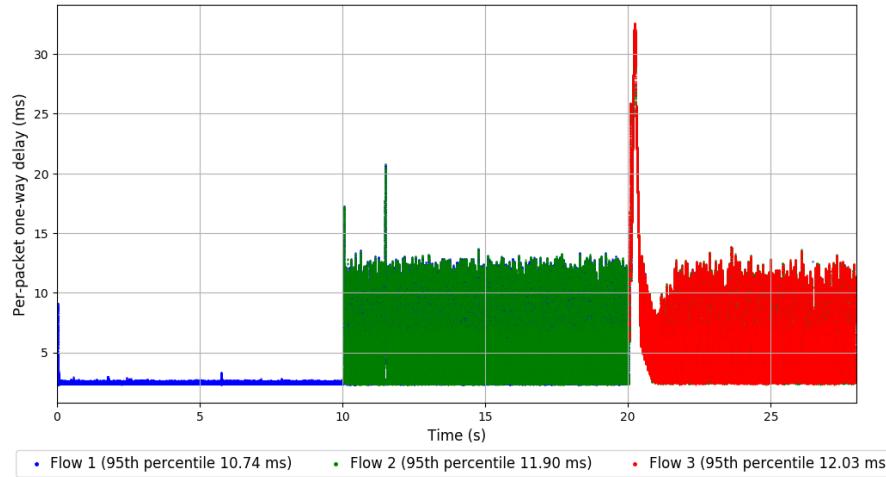
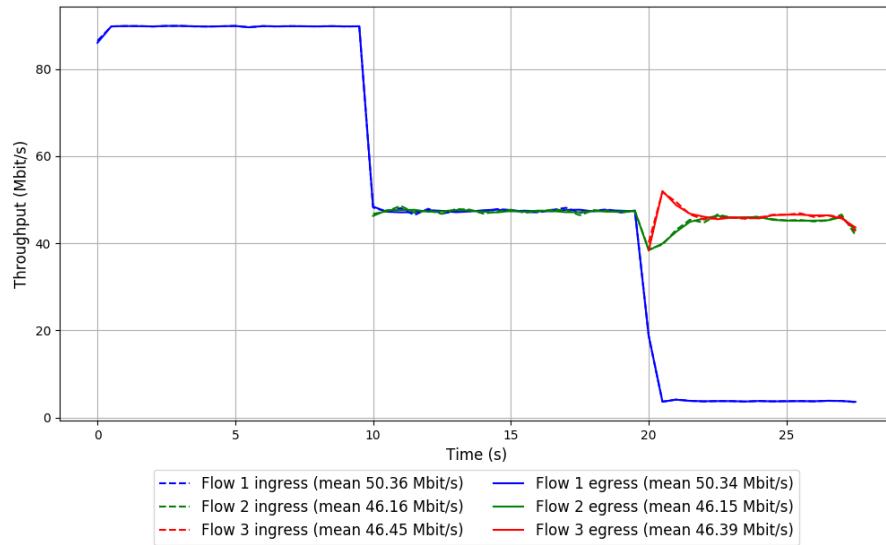


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-01-17 05:30:30
End at: 2018-01-17 05:31:00
Local clock offset: 0.237 ms
Remote clock offset: 0.909 ms

# Below is generated by plot.py at 2018-01-17 06:28:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 11.498 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.742 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 11.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 12.031 ms
Loss rate: 0.18%
```

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

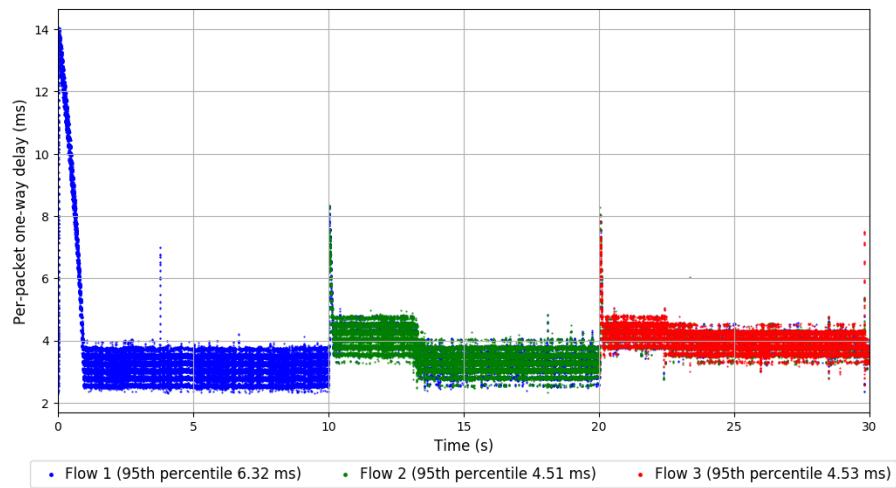
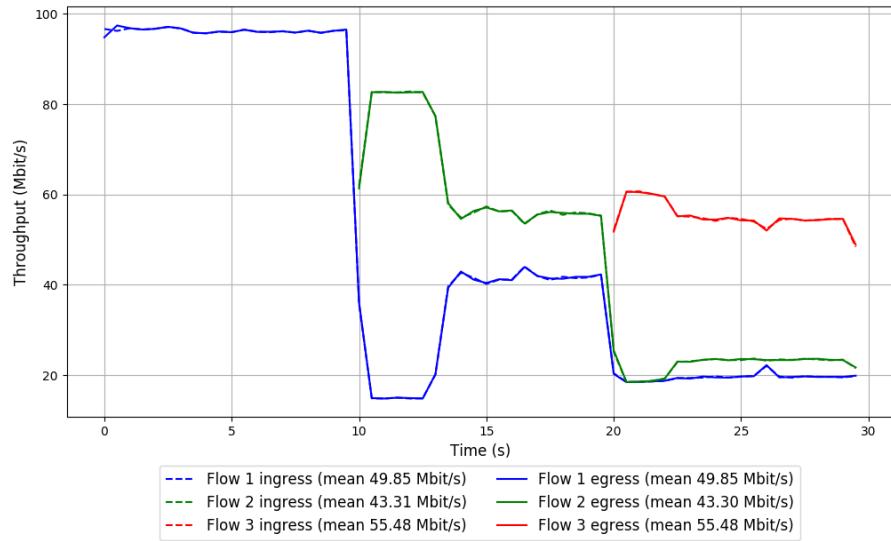


Run 1: Statistics of TCP Vegas

```
Start at: 2018-01-17 02:36:44
End at: 2018-01-17 02:37:14
Local clock offset: 0.399 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2018-01-17 06:28:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 4.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 6.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.30 Mbit/s
95th percentile per-packet one-way delay: 4.515 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 4.529 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

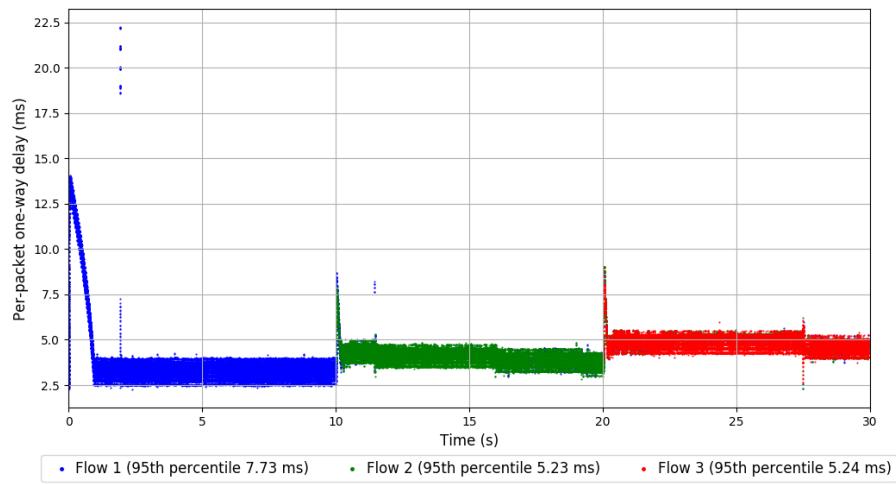
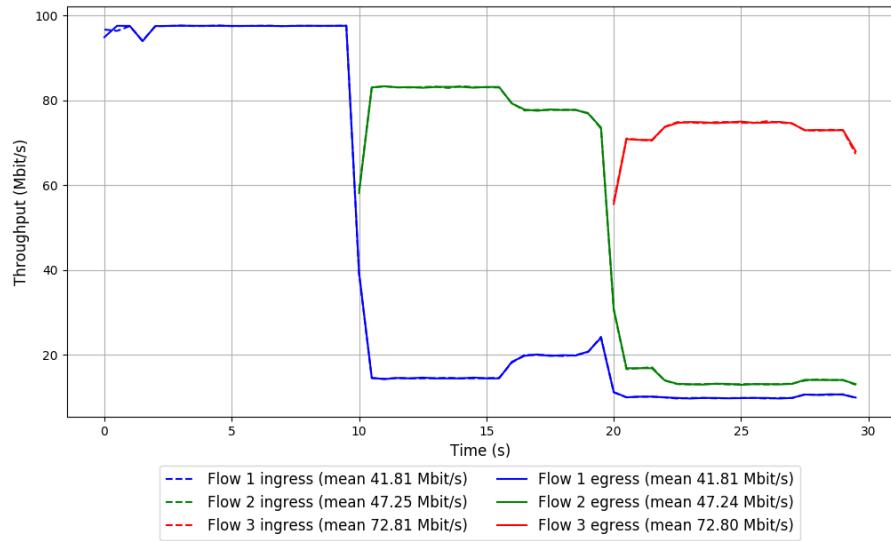


Run 2: Statistics of TCP Vegas

```
Start at: 2018-01-17 02:57:27
End at: 2018-01-17 02:57:57
Local clock offset: 0.428 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-01-17 06:28:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 5.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 7.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 5.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.80 Mbit/s
95th percentile per-packet one-way delay: 5.235 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

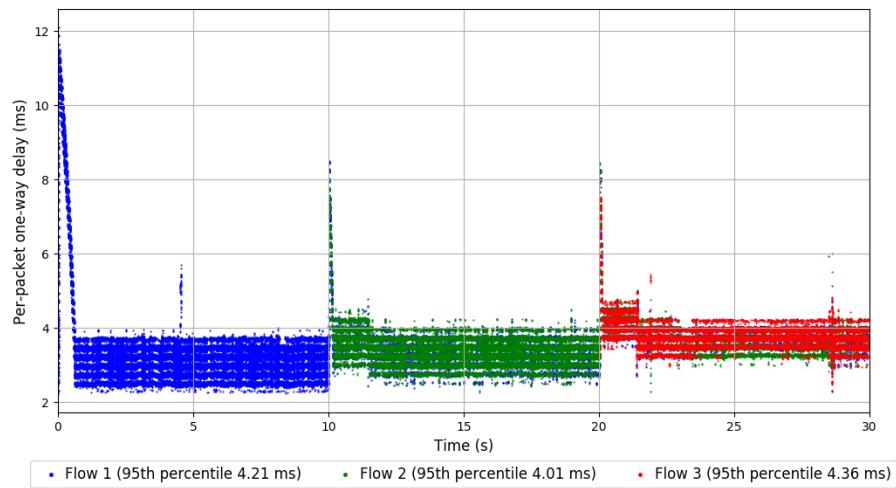
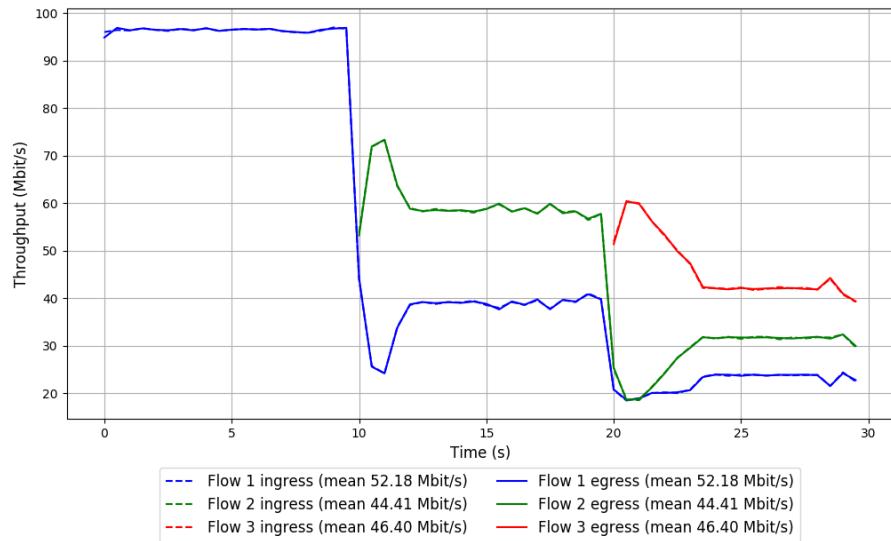


Run 3: Statistics of TCP Vegas

```
Start at: 2018-01-17 03:18:08
End at: 2018-01-17 03:18:38
Local clock offset: 0.401 ms
Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2018-01-17 06:28:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 4.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 4.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 4.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 4.356 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

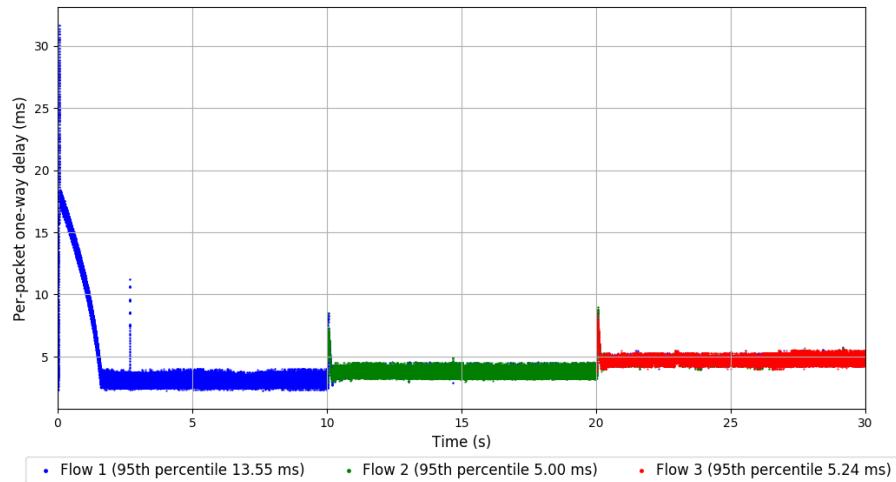
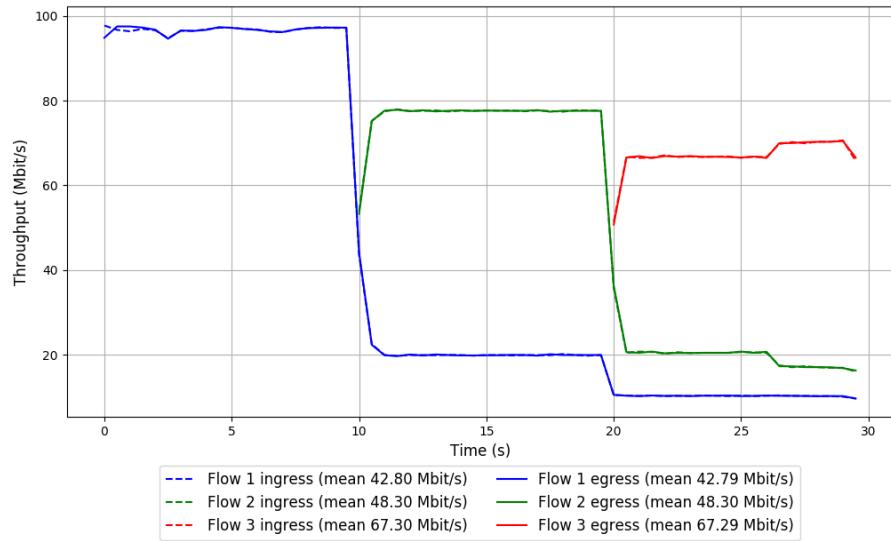


Run 4: Statistics of TCP Vegas

```
Start at: 2018-01-17 03:38:52
End at: 2018-01-17 03:39:22
Local clock offset: 0.308 ms
Remote clock offset: 0.933 ms

# Below is generated by plot.py at 2018-01-17 06:29:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 6.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 13.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 4.998 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.29 Mbit/s
95th percentile per-packet one-way delay: 5.238 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

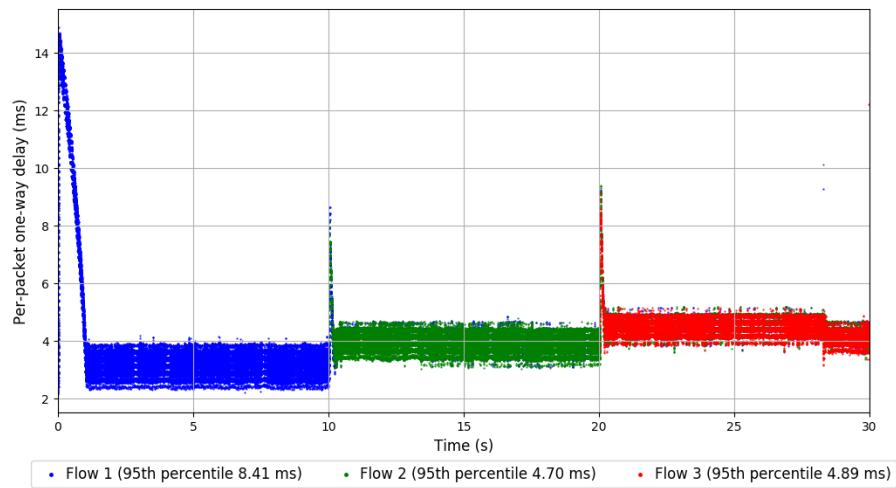
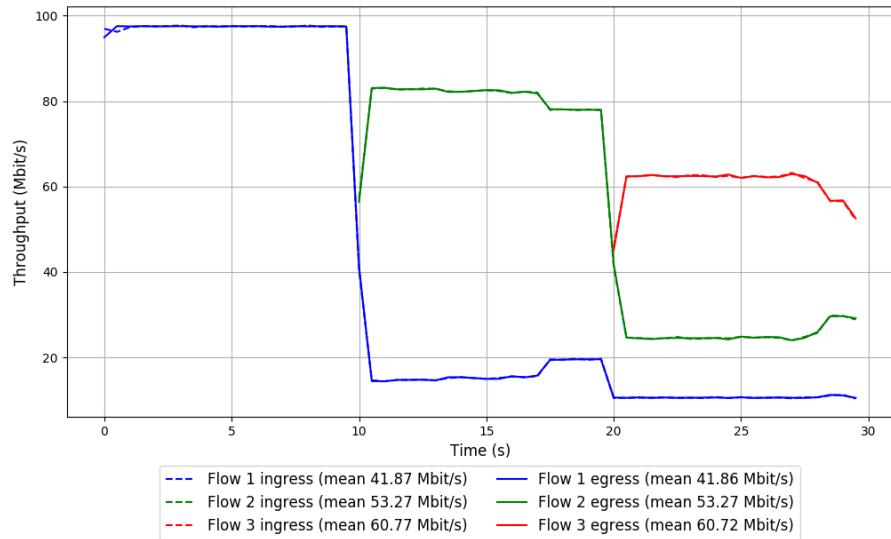


Run 5: Statistics of TCP Vegas

```
Start at: 2018-01-17 03:59:36
End at: 2018-01-17 04:00:06
Local clock offset: 0.347 ms
Remote clock offset: 1.517 ms

# Below is generated by plot.py at 2018-01-17 06:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 4.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 8.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.27 Mbit/s
95th percentile per-packet one-way delay: 4.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 4.887 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

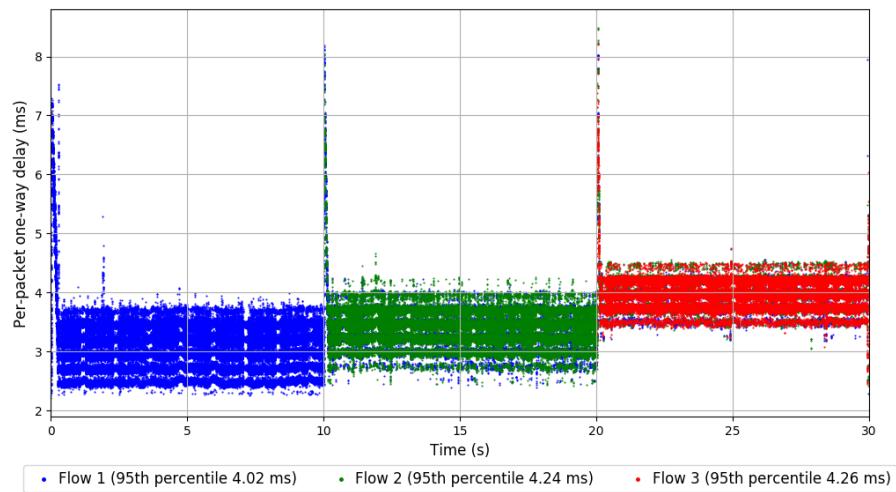
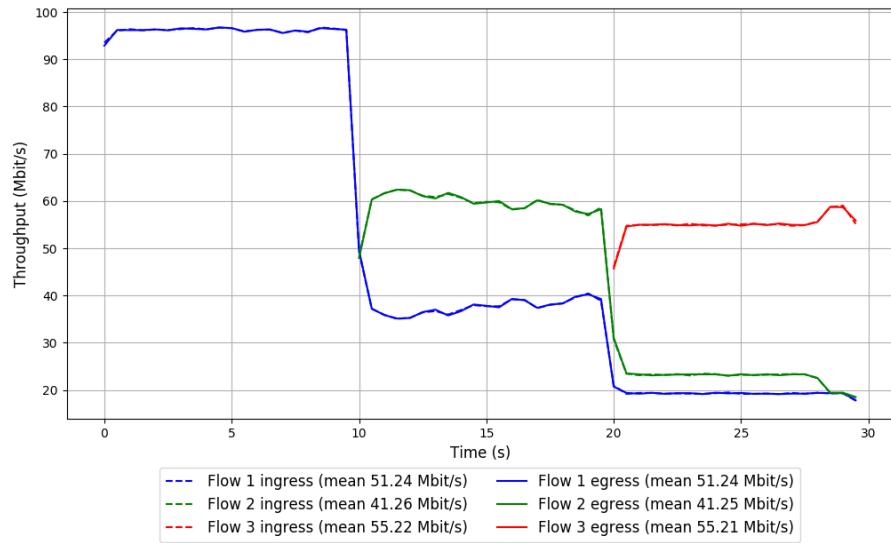


Run 6: Statistics of TCP Vegas

```
Start at: 2018-01-17 04:20:20
End at: 2018-01-17 04:20:50
Local clock offset: 0.354 ms
Remote clock offset: 1.771 ms

# Below is generated by plot.py at 2018-01-17 06:29:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 4.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.24 Mbit/s
95th percentile per-packet one-way delay: 4.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 4.239 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 4.256 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

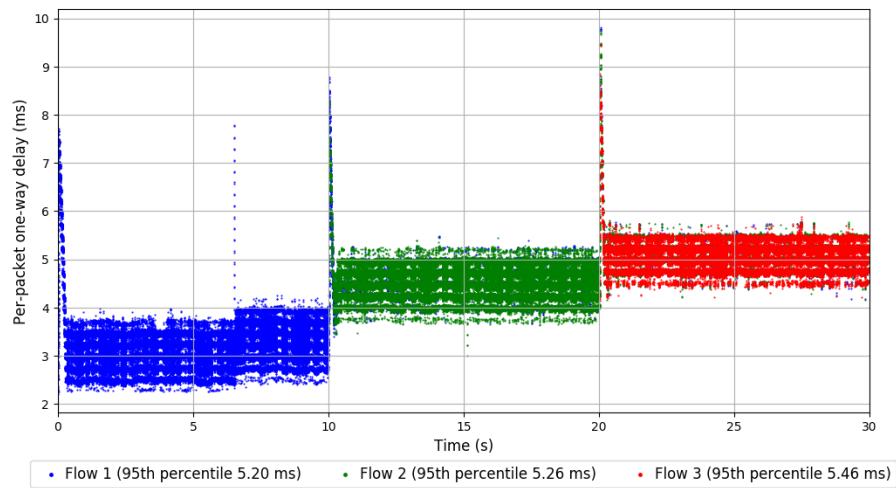
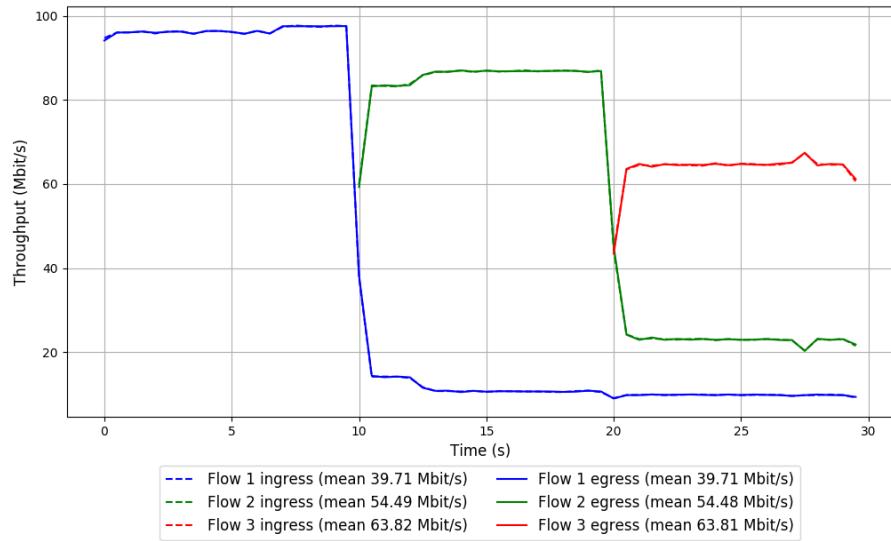


Run 7: Statistics of TCP Vegas

```
Start at: 2018-01-17 04:41:04
End at: 2018-01-17 04:41:34
Local clock offset: 0.355 ms
Remote clock offset: 1.749 ms

# Below is generated by plot.py at 2018-01-17 06:29:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 5.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 5.198 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 5.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.81 Mbit/s
95th percentile per-packet one-way delay: 5.458 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

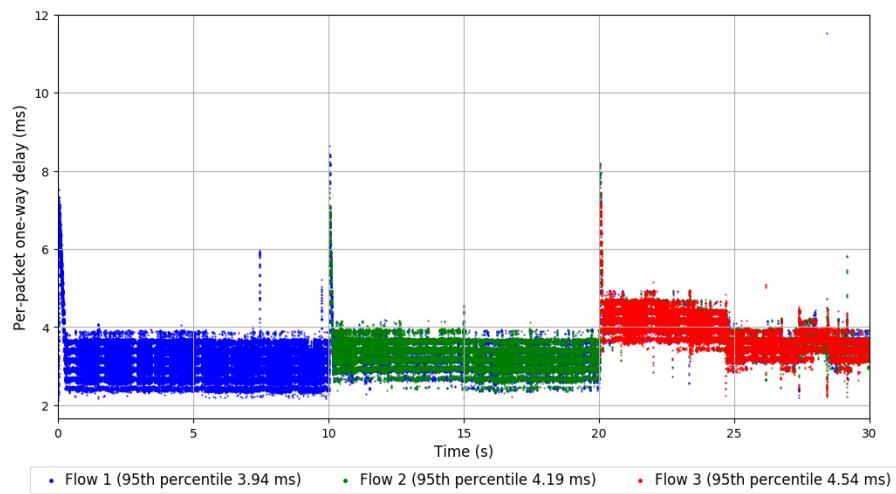
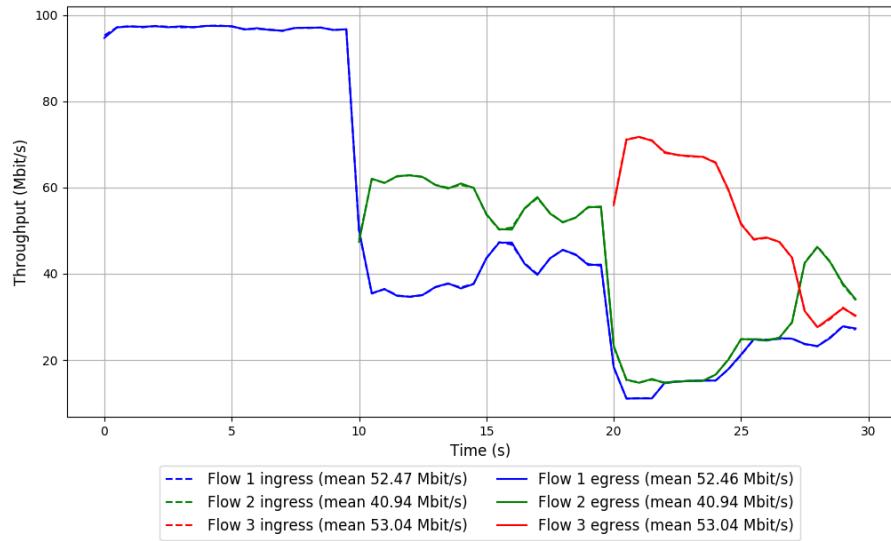


Run 8: Statistics of TCP Vegas

```
Start at: 2018-01-17 05:01:48
End at: 2018-01-17 05:02:18
Local clock offset: 0.363 ms
Remote clock offset: 1.367 ms

# Below is generated by plot.py at 2018-01-17 06:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 4.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 3.942 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 4.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 4.535 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

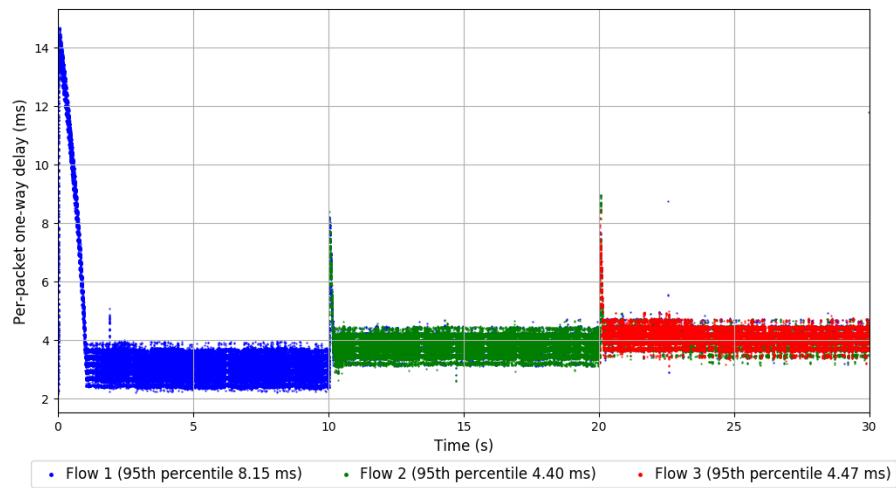
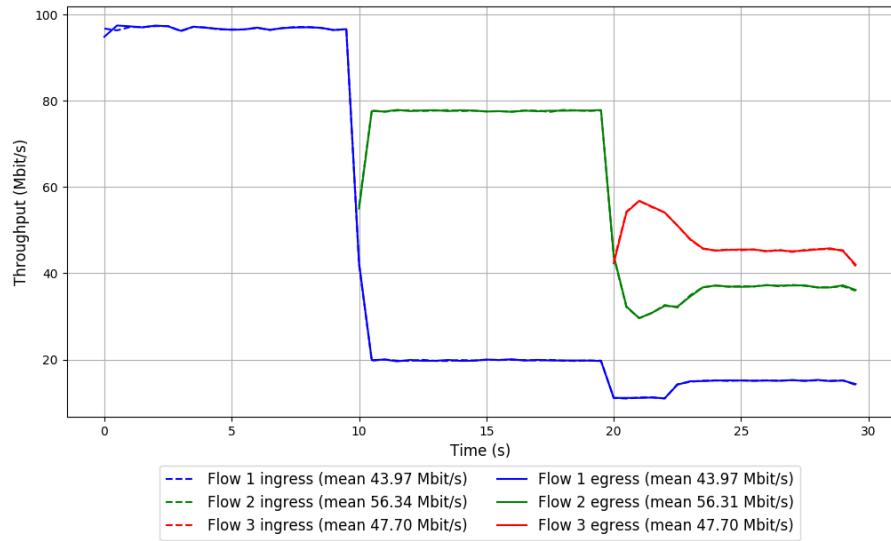


Run 9: Statistics of TCP Vegas

```
Start at: 2018-01-17 05:22:31
End at: 2018-01-17 05:23:01
Local clock offset: 0.285 ms
Remote clock offset: 1.026 ms

# Below is generated by plot.py at 2018-01-17 06:30:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 4.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 8.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 4.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.70 Mbit/s
95th percentile per-packet one-way delay: 4.466 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

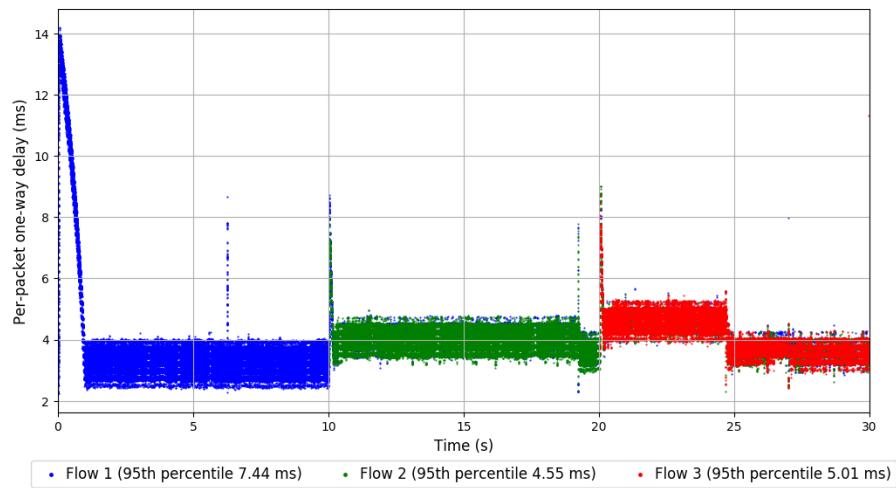
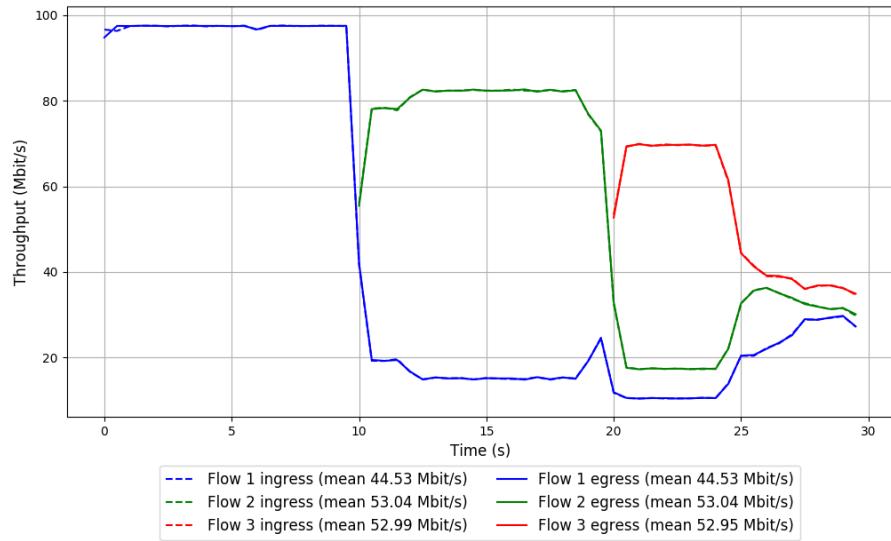


Run 10: Statistics of TCP Vegas

```
Start at: 2018-01-17 05:43:15
End at: 2018-01-17 05:43:45
Local clock offset: 0.285 ms
Remote clock offset: 0.626 ms

# Below is generated by plot.py at 2018-01-17 06:30:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 4.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 7.438 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 4.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 5.006 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

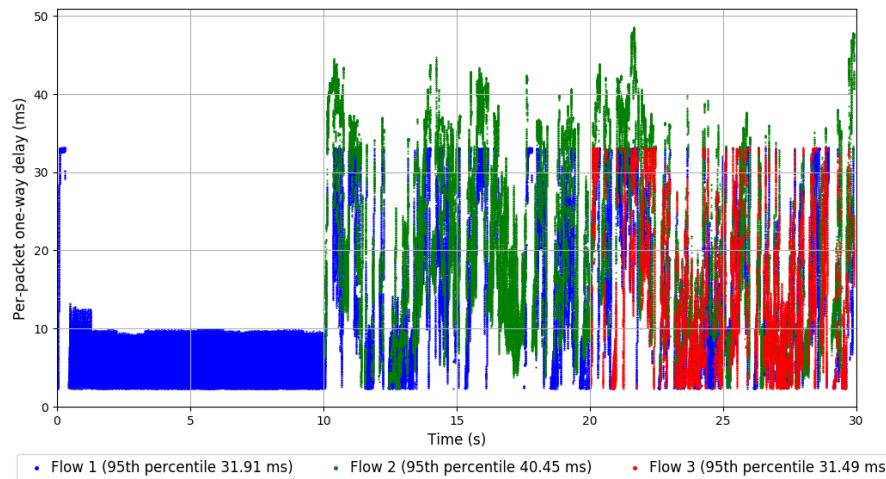
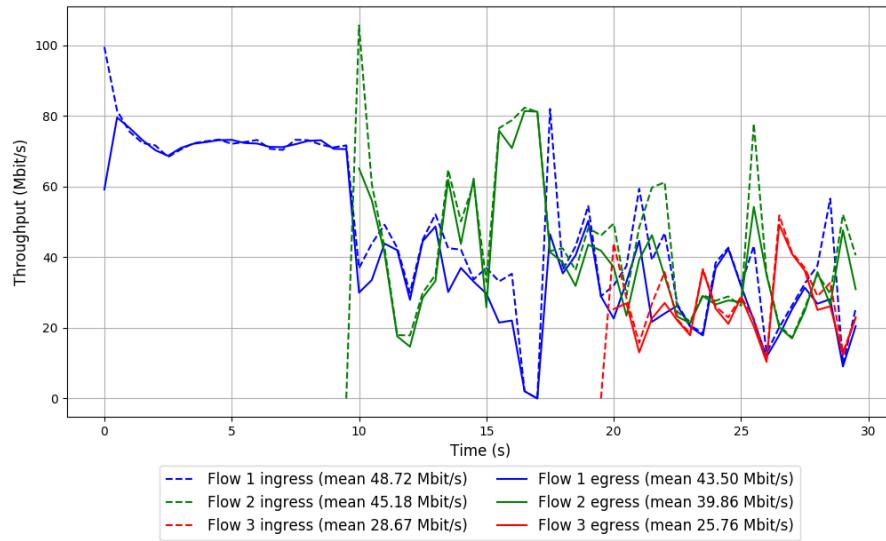


Run 1: Statistics of Verus

```
Start at: 2018-01-17 02:32:06
End at: 2018-01-17 02:32:36
Local clock offset: 0.374 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-01-17 06:30:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 35.539 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 31.907 ms
Loss rate: 10.61%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 40.454 ms
Loss rate: 11.63%
-- Flow 3:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 31.488 ms
Loss rate: 10.05%
```

Run 1: Report of Verus — Data Link

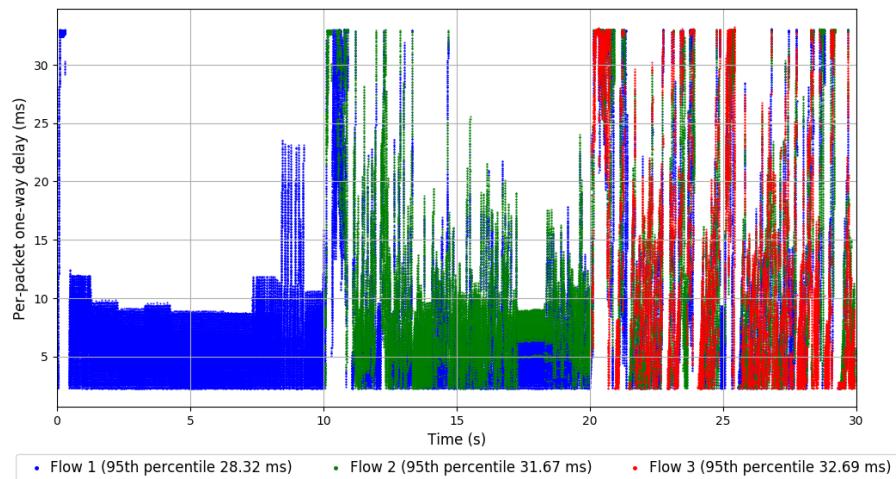
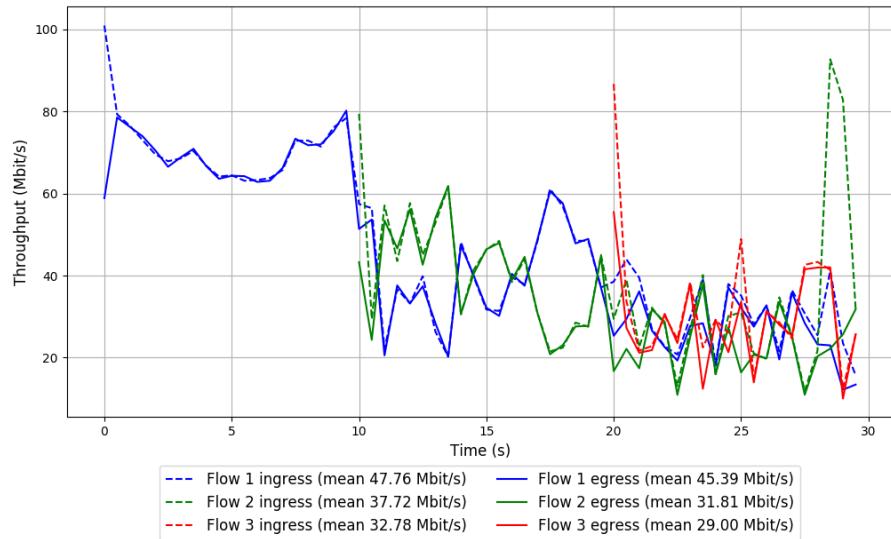


Run 2: Statistics of Verus

```
Start at: 2018-01-17 02:52:49
End at: 2018-01-17 02:53:19
Local clock offset: 0.442 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-01-17 06:30:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 30.850 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 28.321 ms
Loss rate: 4.94%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 31.666 ms
Loss rate: 15.66%
-- Flow 3:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: 32.685 ms
Loss rate: 11.56%
```

Run 2: Report of Verus — Data Link

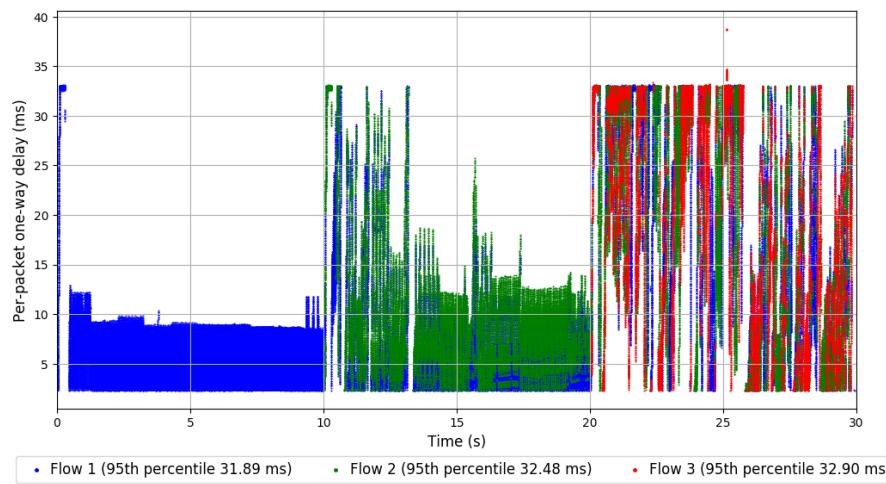
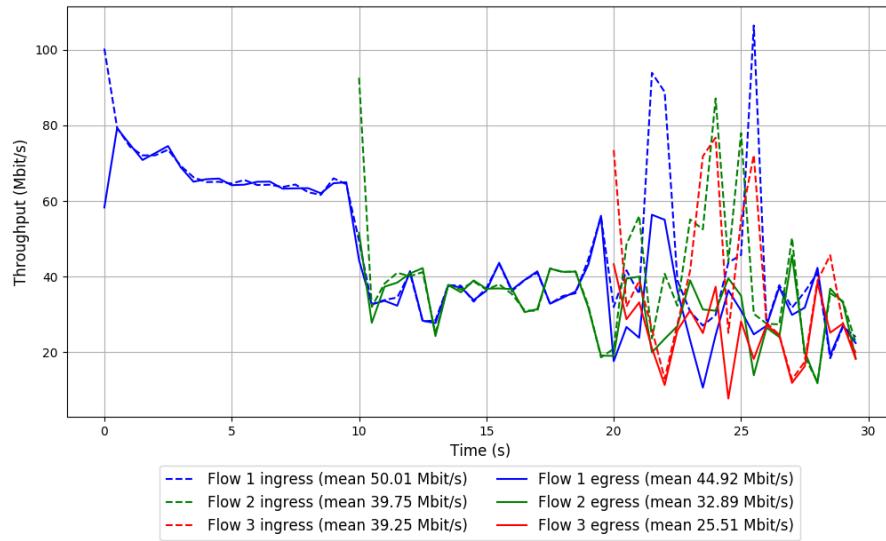


Run 3: Statistics of Verus

```
Start at: 2018-01-17 03:13:30
End at: 2018-01-17 03:14:00
Local clock offset: 0.356 ms
Remote clock offset: 0.162 ms

# Below is generated by plot.py at 2018-01-17 06:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 32.629 ms
Loss rate: 15.78%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 31.886 ms
Loss rate: 10.17%
-- Flow 2:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 32.478 ms
Loss rate: 17.15%
-- Flow 3:
Average throughput: 25.51 Mbit/s
95th percentile per-packet one-way delay: 32.898 ms
Loss rate: 34.82%
```

Run 3: Report of Verus — Data Link

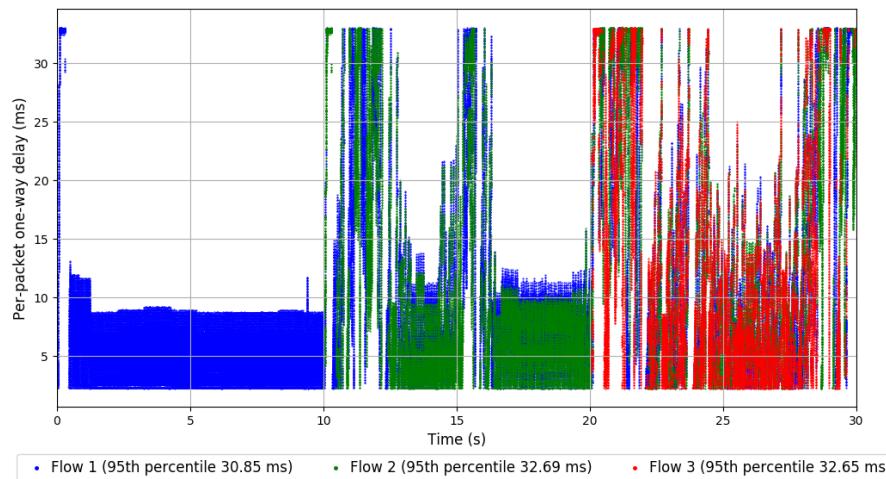
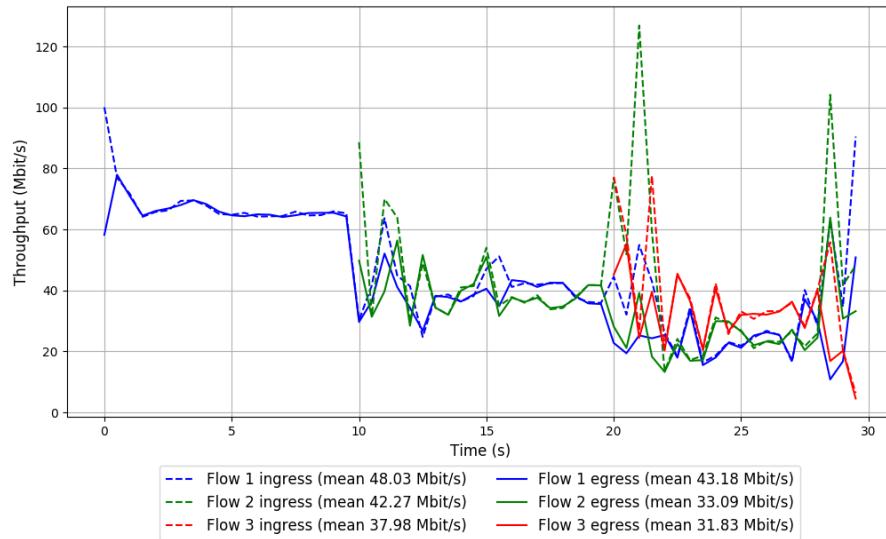


Run 4: Statistics of Verus

```
Start at: 2018-01-17 03:34:14
End at: 2018-01-17 03:34:44
Local clock offset: 0.376 ms
Remote clock offset: 0.746 ms

# Below is generated by plot.py at 2018-01-17 06:30:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 32.367 ms
Loss rate: 14.54%
-- Flow 1:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 30.853 ms
Loss rate: 10.02%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 32.685 ms
Loss rate: 21.62%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 32.648 ms
Loss rate: 15.96%
```

Run 4: Report of Verus — Data Link

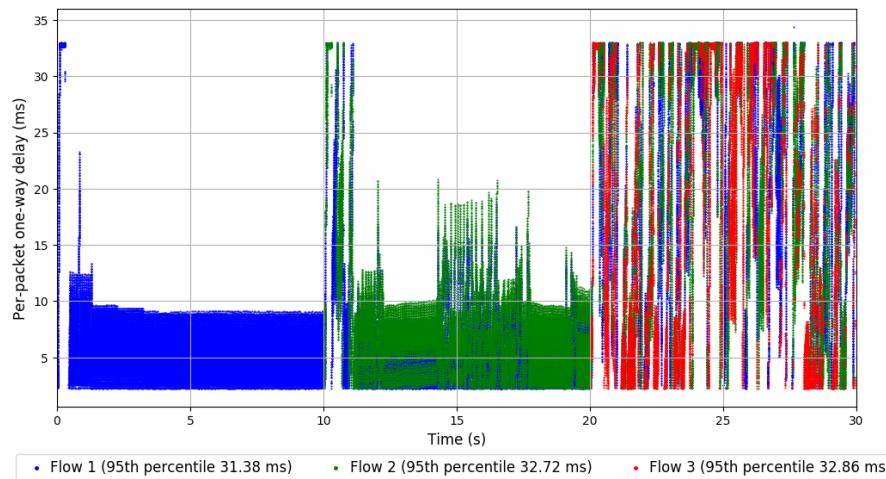
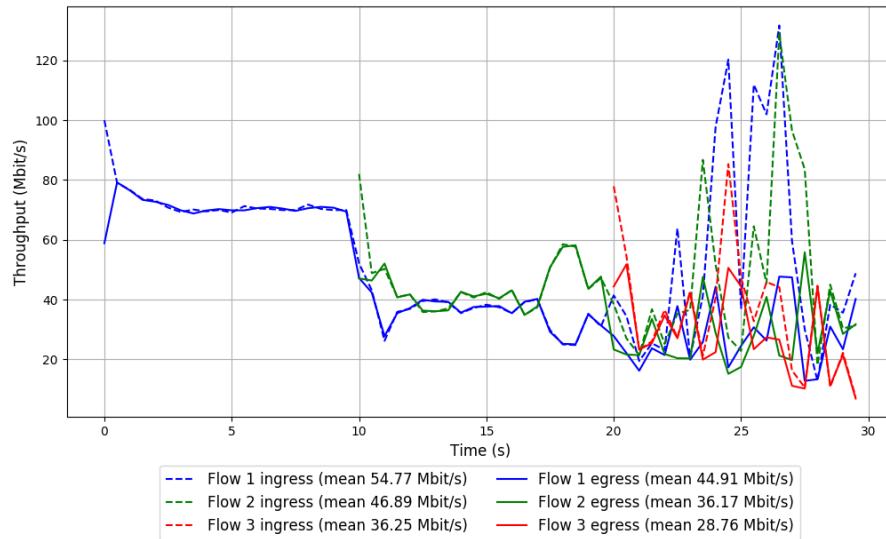


Run 5: Statistics of Verus

```
Start at: 2018-01-17 03:54:58
End at: 2018-01-17 03:55:28
Local clock offset: 0.341 ms
Remote clock offset: 1.461 ms

# Below is generated by plot.py at 2018-01-17 06:30:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 32.661 ms
Loss rate: 19.82%
-- Flow 1:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 31.378 ms
Loss rate: 17.91%
-- Flow 2:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 32.721 ms
Loss rate: 22.83%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 32.859 ms
Loss rate: 20.69%
```

Run 5: Report of Verus — Data Link

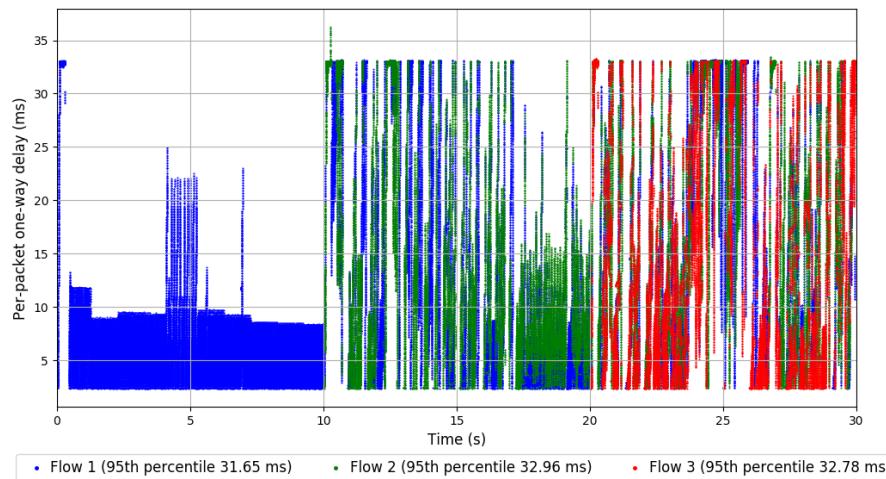
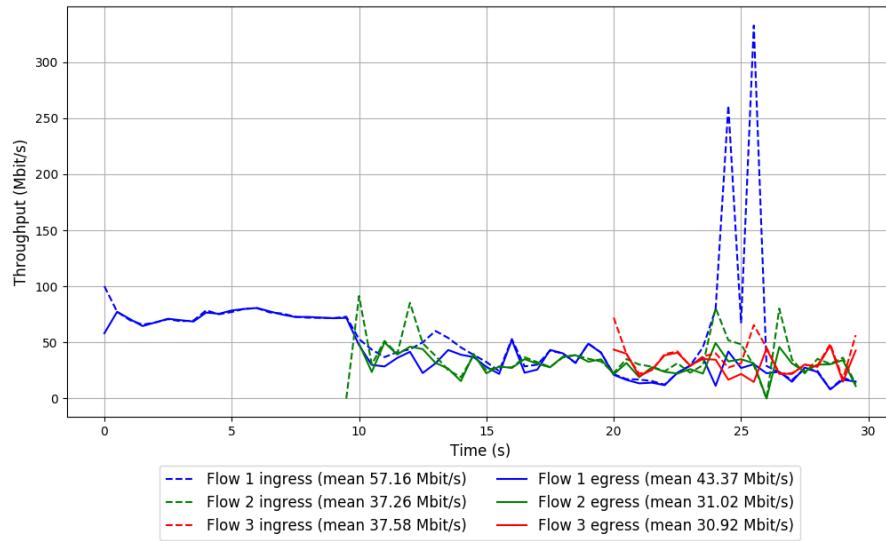


Run 6: Statistics of Verus

```
Start at: 2018-01-17 04:15:43
End at: 2018-01-17 04:16:13
Local clock offset: 0.294 ms
Remote clock offset: 1.825 ms

# Below is generated by plot.py at 2018-01-17 06:30:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.22 Mbit/s
95th percentile per-packet one-way delay: 32.806 ms
Loss rate: 21.27%
-- Flow 1:
Average throughput: 43.37 Mbit/s
95th percentile per-packet one-way delay: 31.651 ms
Loss rate: 24.09%
-- Flow 2:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 32.962 ms
Loss rate: 16.62%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 32.779 ms
Loss rate: 17.52%
```

Run 6: Report of Verus — Data Link

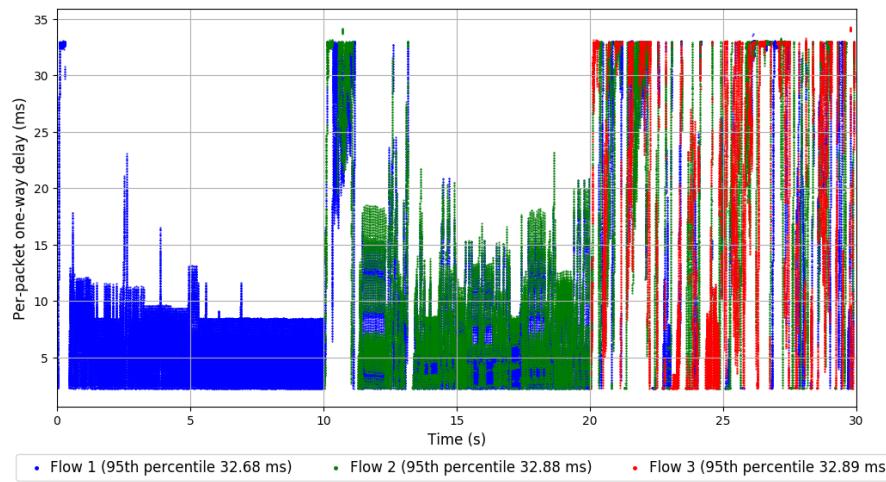
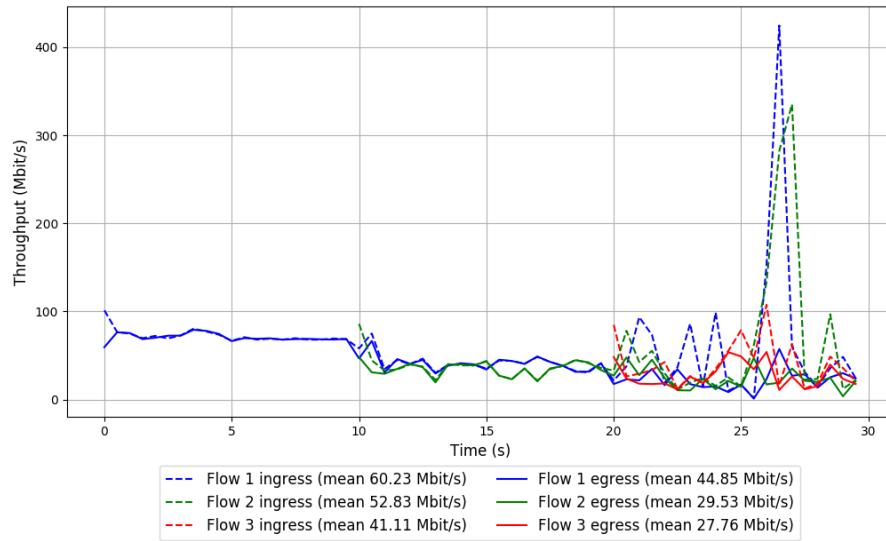


Run 7: Statistics of Verus

```
Start at: 2018-01-17 04:36:26
End at: 2018-01-17 04:36:56
Local clock offset: 0.345 ms
Remote clock offset: 1.743 ms

# Below is generated by plot.py at 2018-01-17 06:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 32.844 ms
Loss rate: 32.30%
-- Flow 1:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 32.680 ms
Loss rate: 25.47%
-- Flow 2:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 32.875 ms
Loss rate: 44.01%
-- Flow 3:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 32.886 ms
Loss rate: 32.29%
```

Run 7: Report of Verus — Data Link

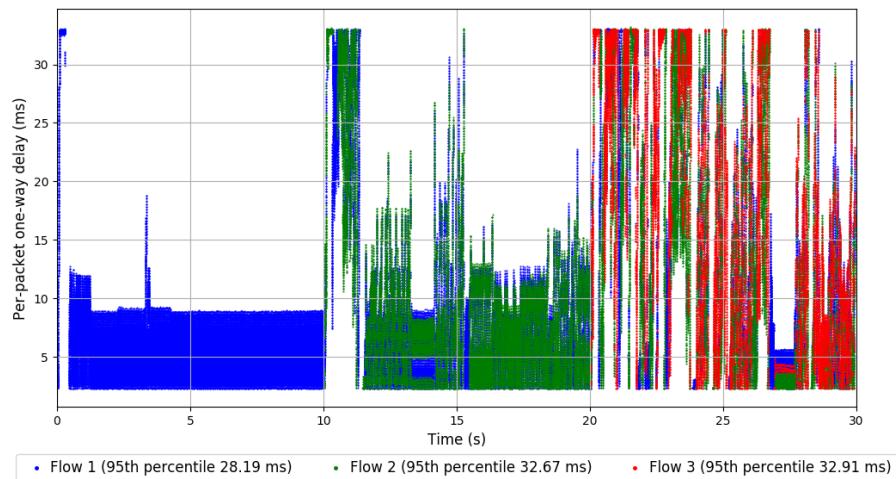
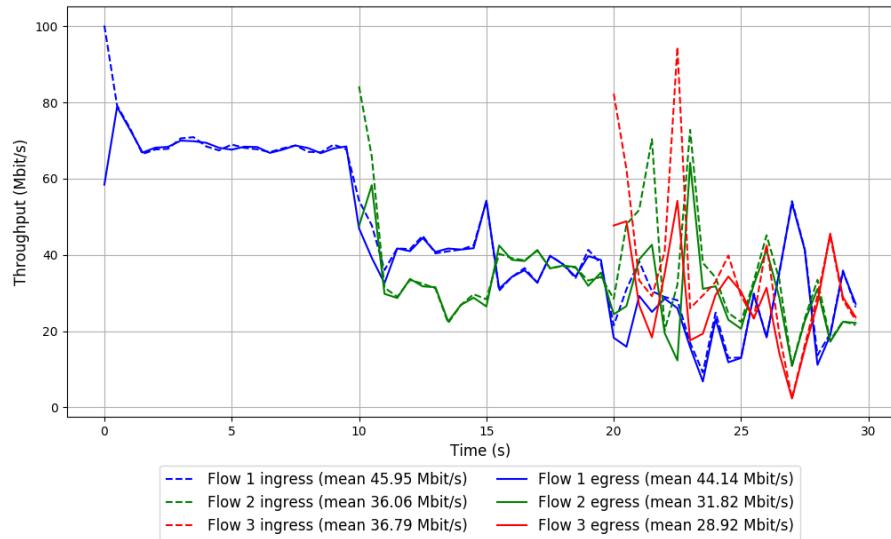


Run 8: Statistics of Verus

```
Start at: 2018-01-17 04:57:10
End at: 2018-01-17 04:57:40
Local clock offset: 0.328 ms
Remote clock offset: 1.512 ms

# Below is generated by plot.py at 2018-01-17 06:31:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.89 Mbit/s
95th percentile per-packet one-way delay: 32.238 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 28.188 ms
Loss rate: 3.88%
-- Flow 2:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 32.673 ms
Loss rate: 11.68%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 32.905 ms
Loss rate: 21.28%
```

Run 8: Report of Verus — Data Link

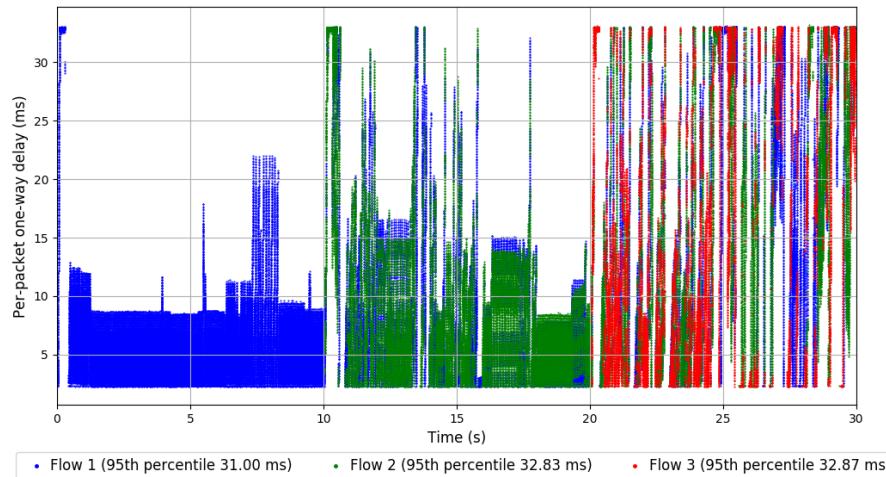
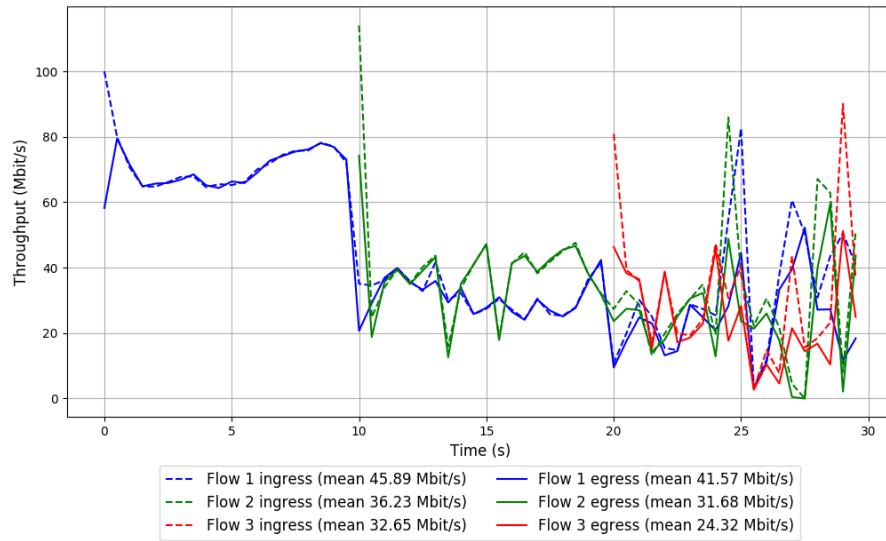


Run 9: Statistics of Verus

```
Start at: 2018-01-17 05:17:54
End at: 2018-01-17 05:18:24
Local clock offset: 0.297 ms
Remote clock offset: 1.163 ms

# Below is generated by plot.py at 2018-01-17 06:31:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 32.697 ms
Loss rate: 12.39%
-- Flow 1:
Average throughput: 41.57 Mbit/s
95th percentile per-packet one-way delay: 31.001 ms
Loss rate: 9.32%
-- Flow 2:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 32.834 ms
Loss rate: 12.43%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 32.874 ms
Loss rate: 25.36%
```

Run 9: Report of Verus — Data Link

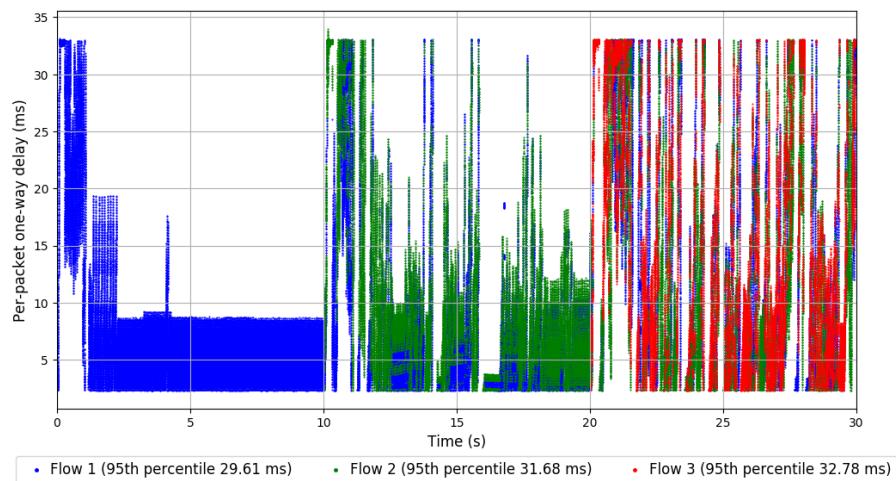
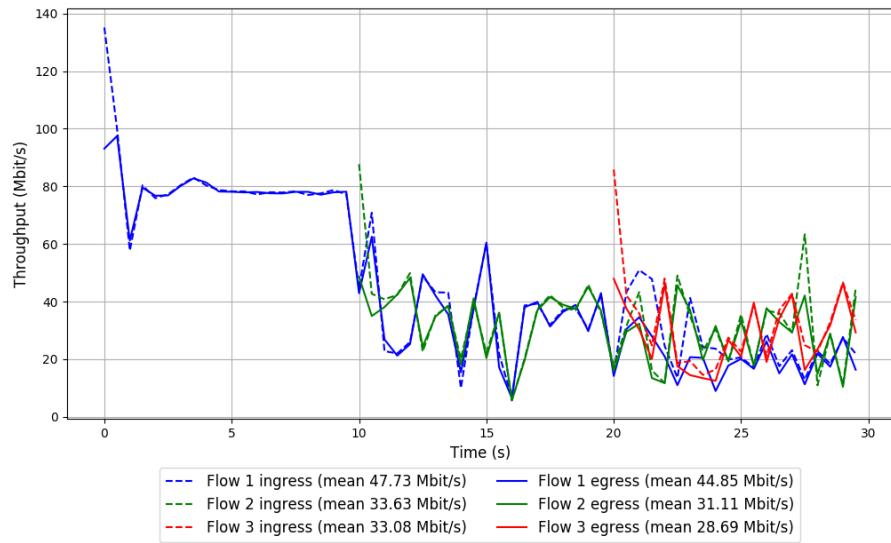


Run 10: Statistics of Verus

```
Start at: 2018-01-17 05:38:37
End at: 2018-01-17 05:39:07
Local clock offset: 0.258 ms
Remote clock offset: 0.768 ms

# Below is generated by plot.py at 2018-01-17 06:31:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 31.186 ms
Loss rate: 7.31%
-- Flow 1:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 29.608 ms
Loss rate: 5.94%
-- Flow 2:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 31.678 ms
Loss rate: 7.36%
-- Flow 3:
Average throughput: 28.69 Mbit/s
95th percentile per-packet one-way delay: 32.782 ms
Loss rate: 13.13%
```

Run 10: Report of Verus — Data Link

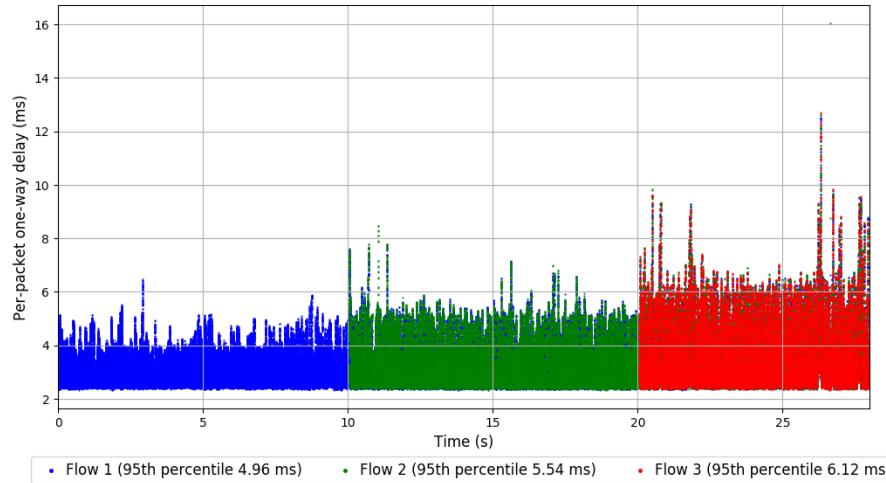
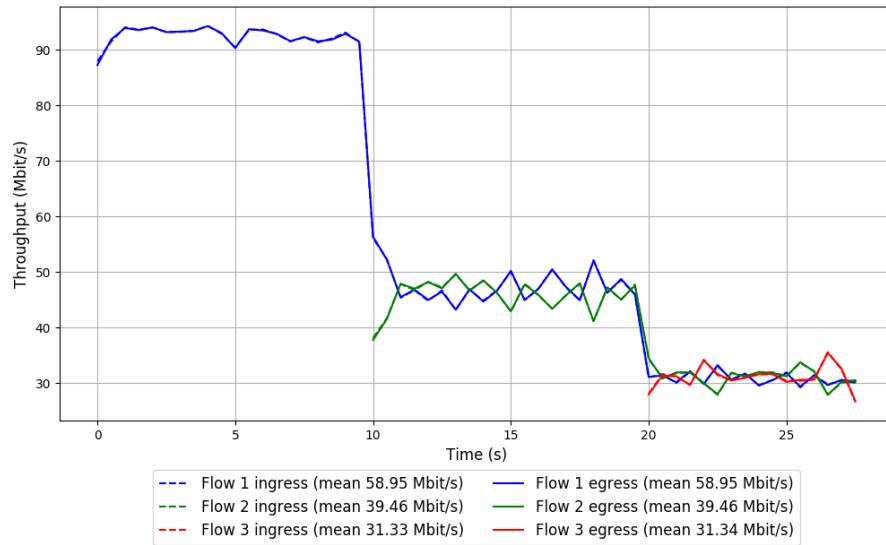


Run 1: Statistics of Copa

```
Start at: 2018-01-17 02:33:15
End at: 2018-01-17 02:33:46
Local clock offset: 0.38 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-01-17 06:32:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 5.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 4.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 5.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 6.119 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

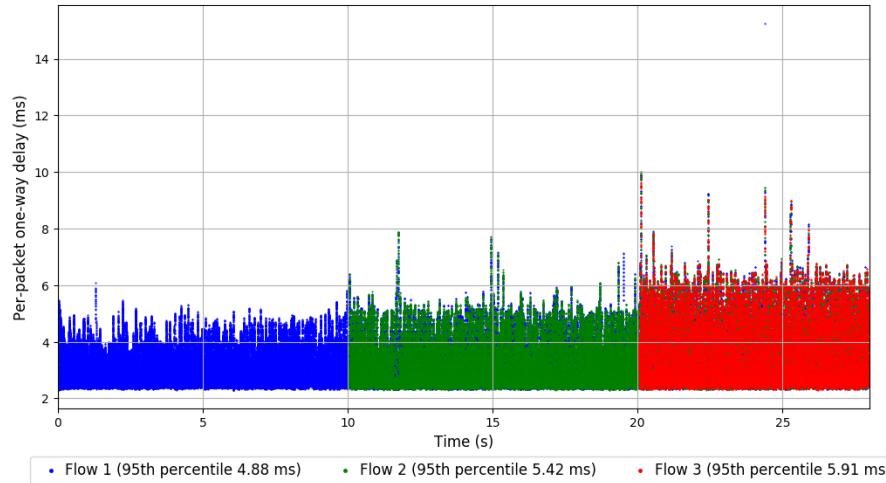
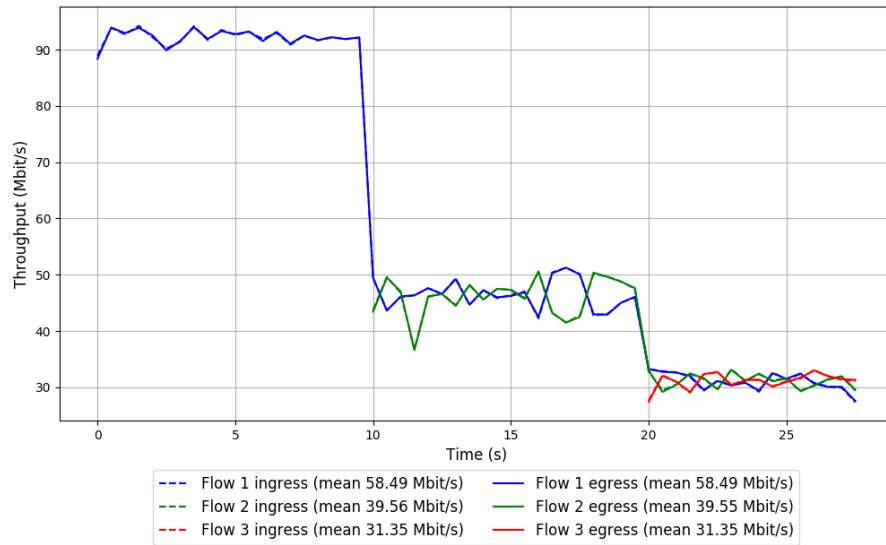


Run 2: Statistics of Copa

```
Start at: 2018-01-17 02:53:58
End at: 2018-01-17 02:54:28
Local clock offset: 0.39 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-01-17 06:32:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 5.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 4.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 5.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 5.906 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

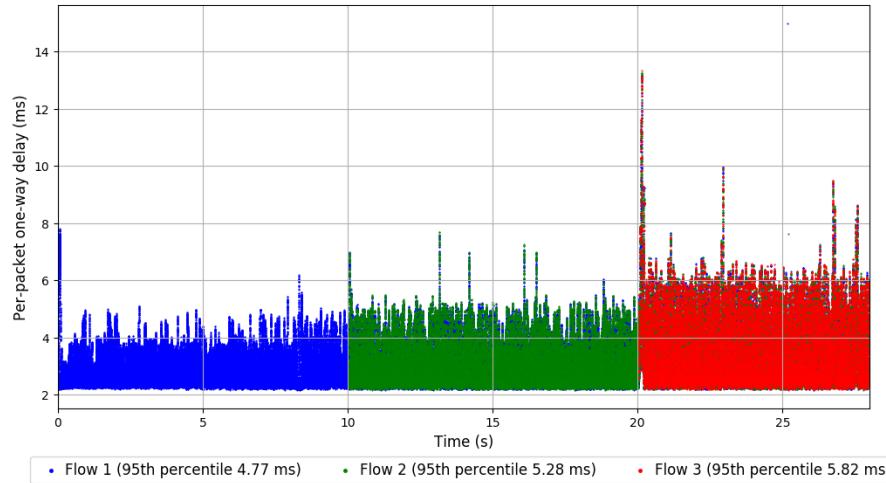
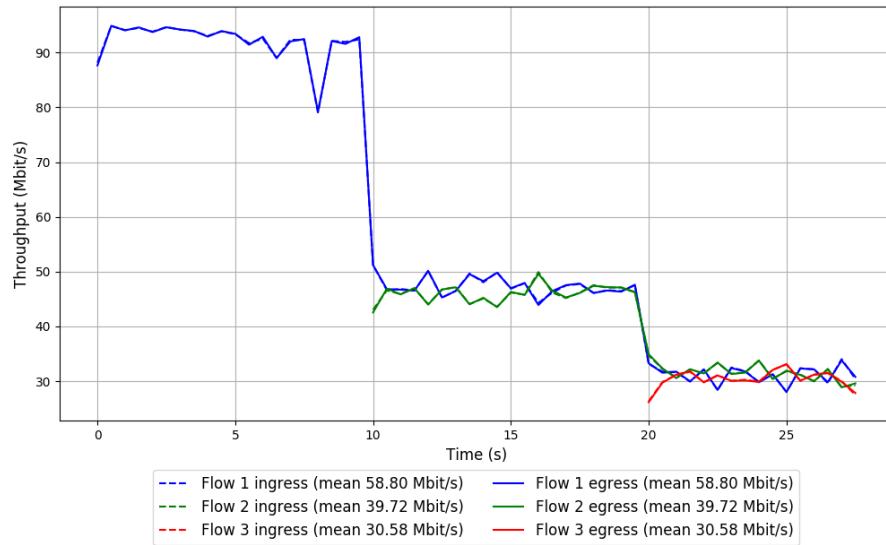


Run 3: Statistics of Copa

```
Start at: 2018-01-17 03:14:39
End at: 2018-01-17 03:15:09
Local clock offset: 0.418 ms
Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2018-01-17 06:33:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 5.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 4.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 5.276 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 5.823 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

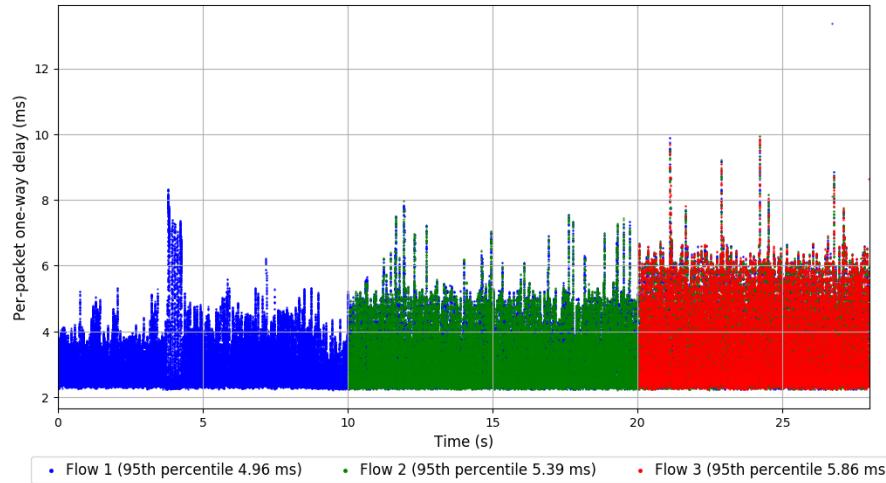
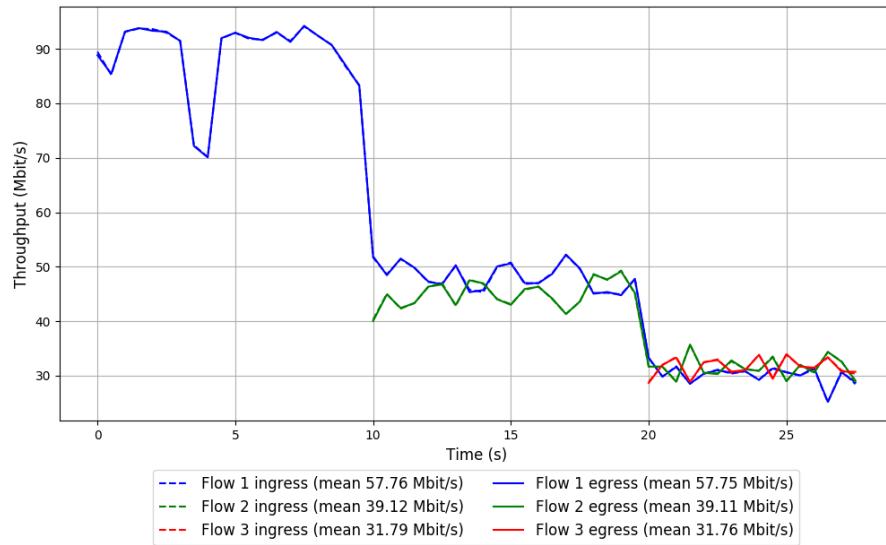


Run 4: Statistics of Copa

```
Start at: 2018-01-17 03:35:23
End at: 2018-01-17 03:35:53
Local clock offset: 0.38 ms
Remote clock offset: 0.801 ms

# Below is generated by plot.py at 2018-01-17 06:33:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 5.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 4.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 5.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 5.863 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

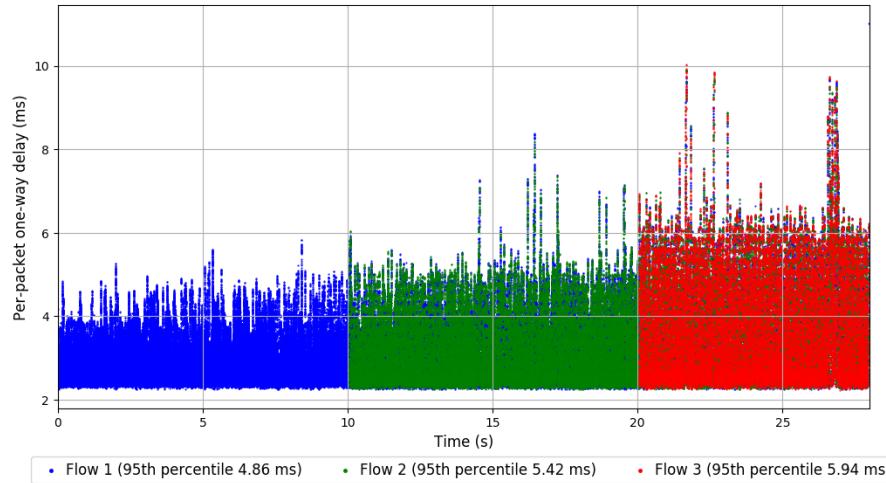
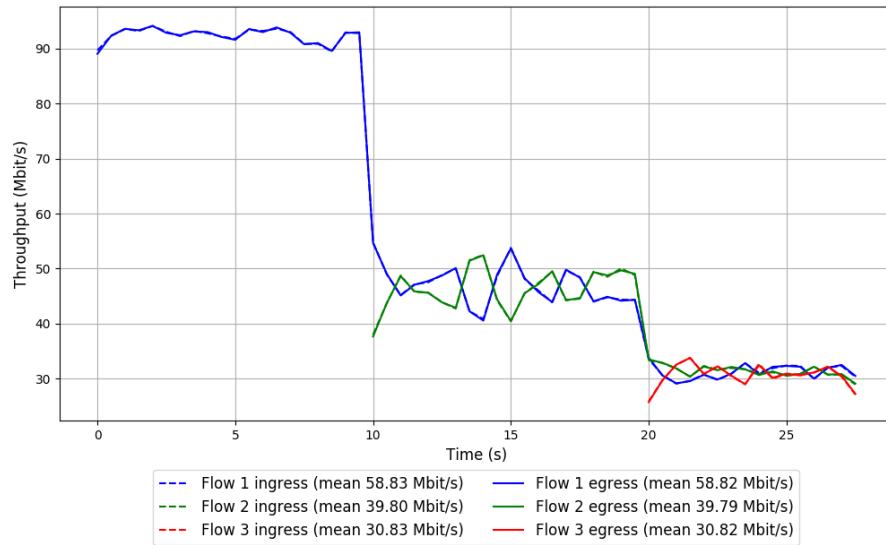


Run 5: Statistics of Copa

```
Start at: 2018-01-17 03:56:07
End at: 2018-01-17 03:56:37
Local clock offset: 0.33 ms
Remote clock offset: 1.477 ms

# Below is generated by plot.py at 2018-01-17 06:33:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 5.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 4.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 5.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 5.944 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

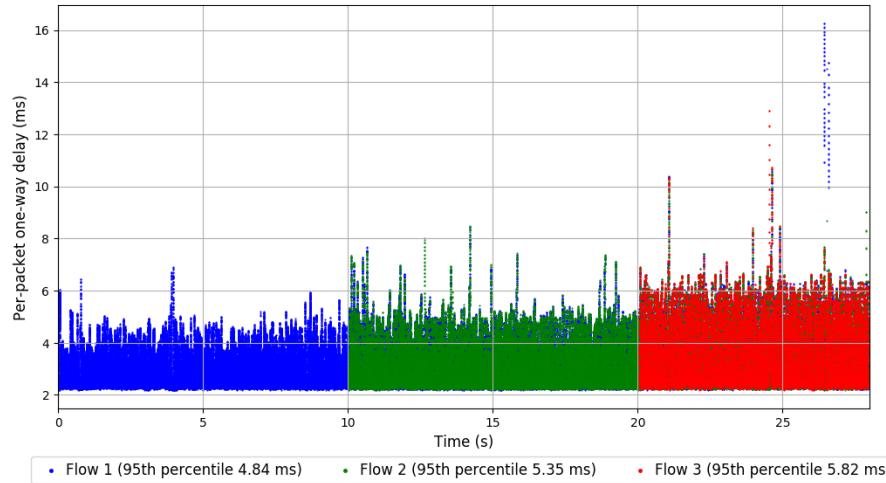
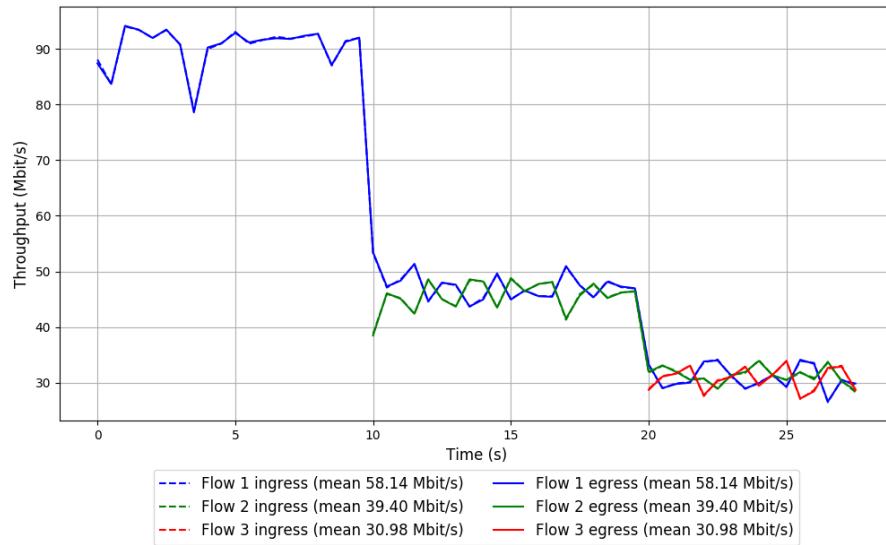


Run 6: Statistics of Copa

```
Start at: 2018-01-17 04:16:52
End at: 2018-01-17 04:17:22
Local clock offset: 0.361 ms
Remote clock offset: 1.712 ms

# Below is generated by plot.py at 2018-01-17 06:33:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 5.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 4.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 5.349 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 5.820 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

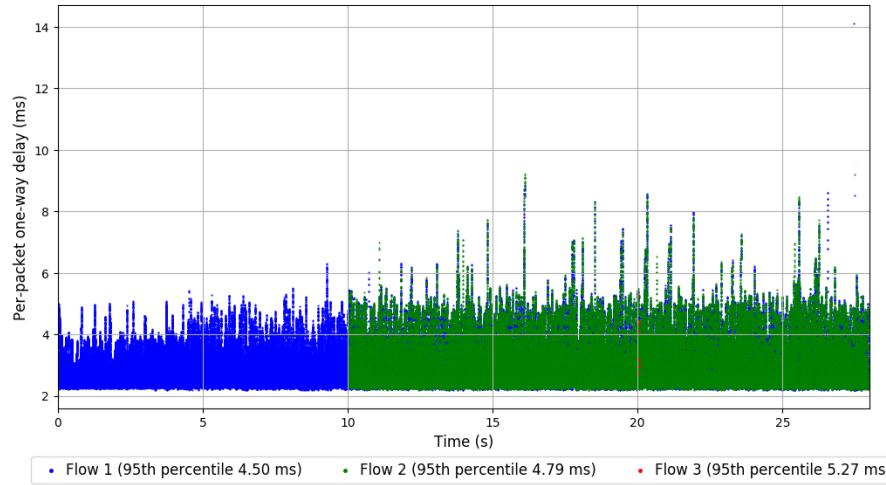
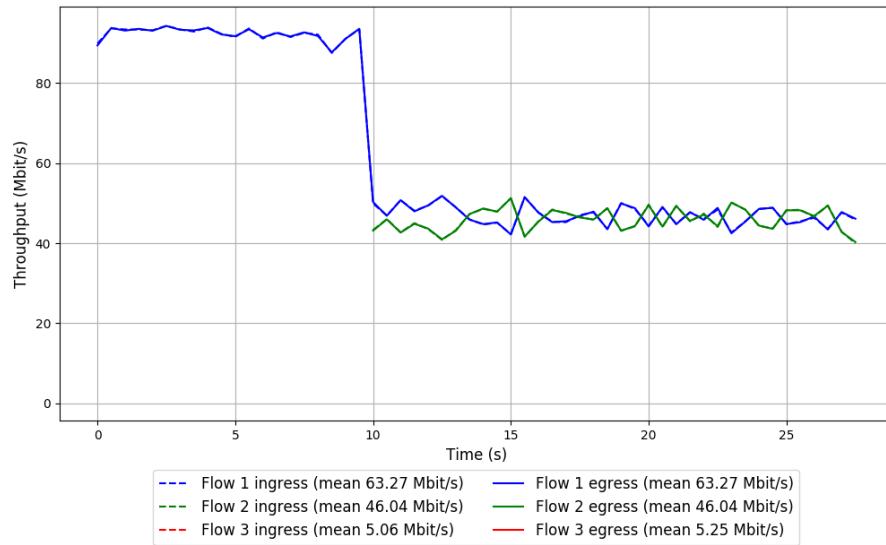


Run 7: Statistics of Copa

```
Start at: 2018-01-17 04:37:35
End at: 2018-01-17 04:38:05
Local clock offset: 0.354 ms
Remote clock offset: 1.684 ms

# Below is generated by plot.py at 2018-01-17 06:33:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 4.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 4.502 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 4.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 5.266 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

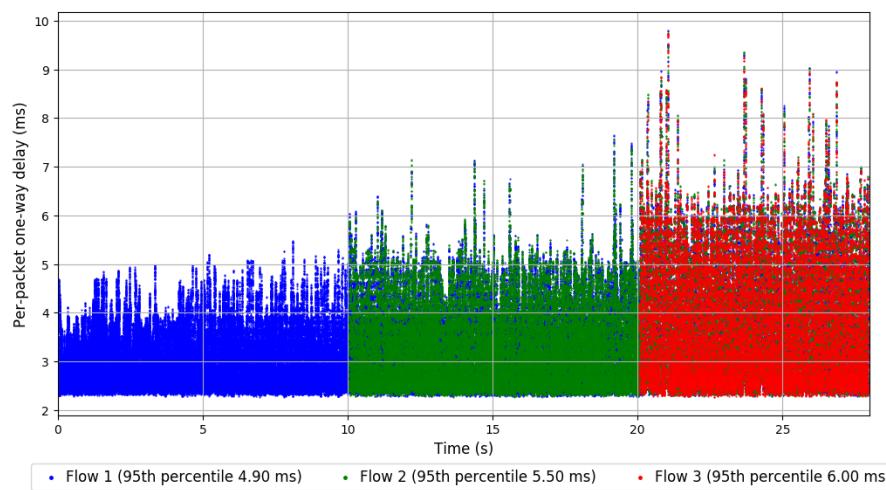
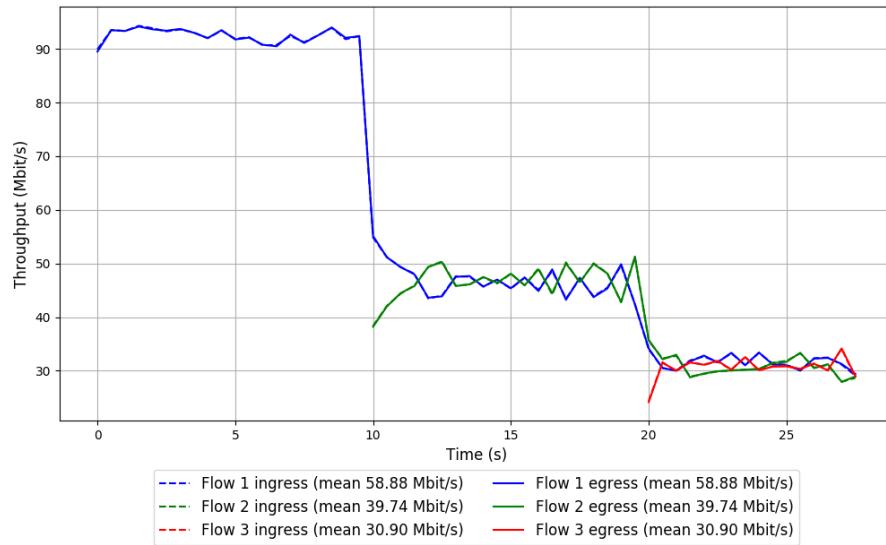


Run 8: Statistics of Copa

```
Start at: 2018-01-17 04:58:19
End at: 2018-01-17 04:58:49
Local clock offset: 0.289 ms
Remote clock offset: 1.439 ms

# Below is generated by plot.py at 2018-01-17 06:34:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 5.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 4.900 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 5.496 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 5.996 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

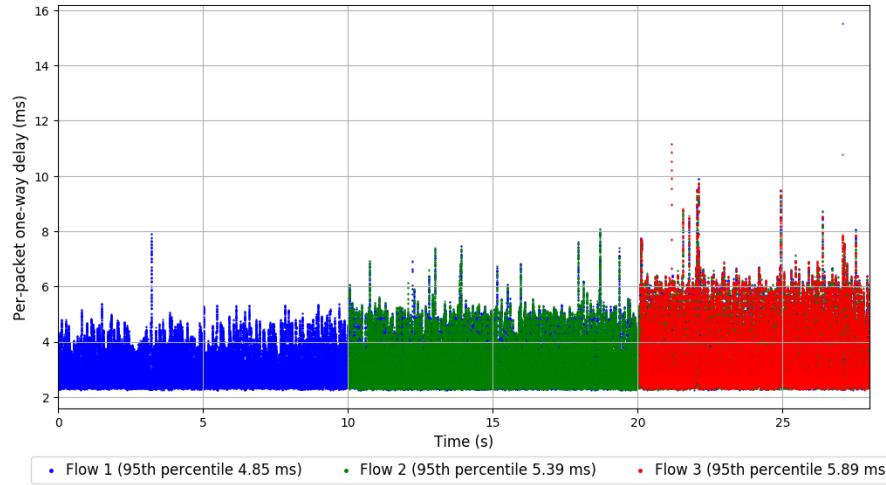
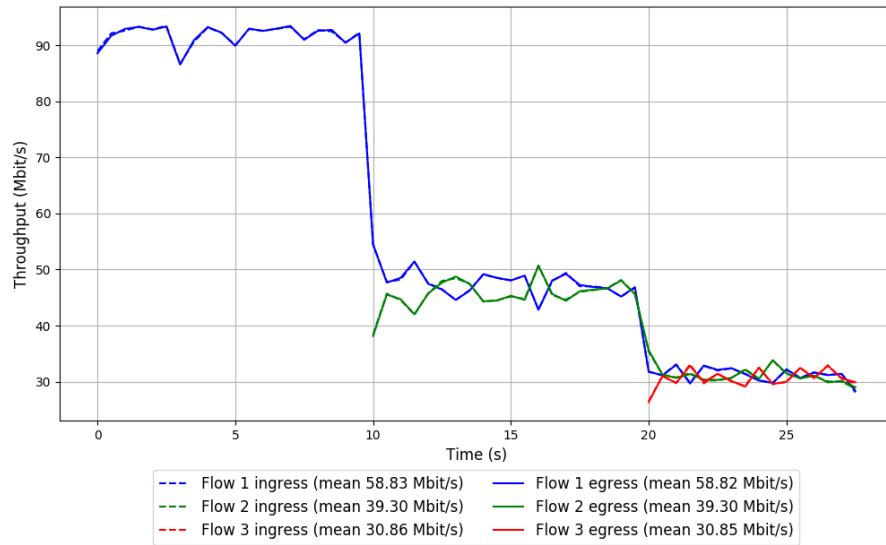


Run 9: Statistics of Copa

```
Start at: 2018-01-17 05:19:02
End at: 2018-01-17 05:19:32
Local clock offset: 0.306 ms
Remote clock offset: 1.153 ms

# Below is generated by plot.py at 2018-01-17 06:35:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 5.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 4.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 5.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 5.894 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

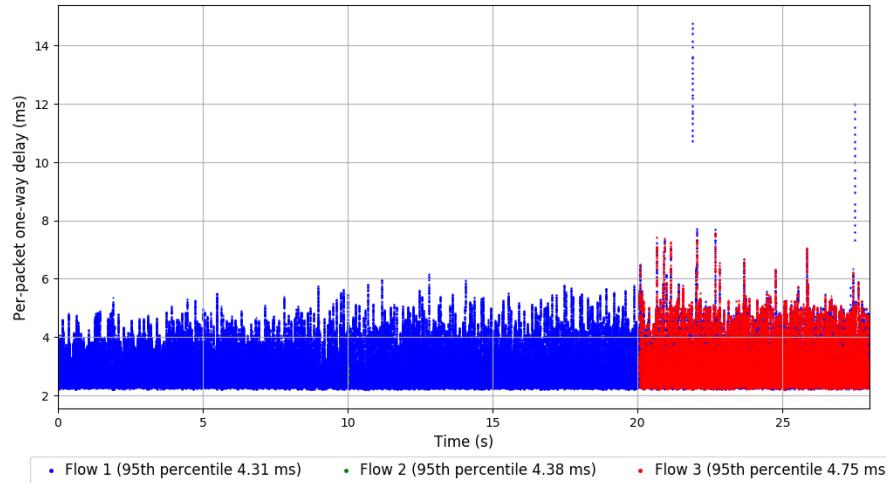
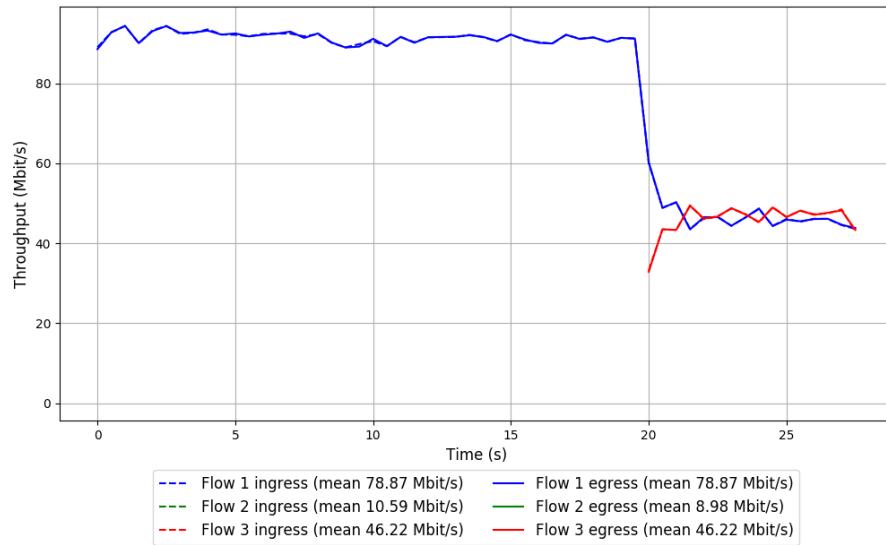


Run 10: Statistics of Copa

```
Start at: 2018-01-17 05:39:46
End at: 2018-01-17 05:40:16
Local clock offset: 0.283 ms
Remote clock offset: 0.648 ms

# Below is generated by plot.py at 2018-01-17 06:35:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 4.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.87 Mbit/s
95th percentile per-packet one-way delay: 4.312 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 4.379 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 4.754 ms
Loss rate: 0.00%
```

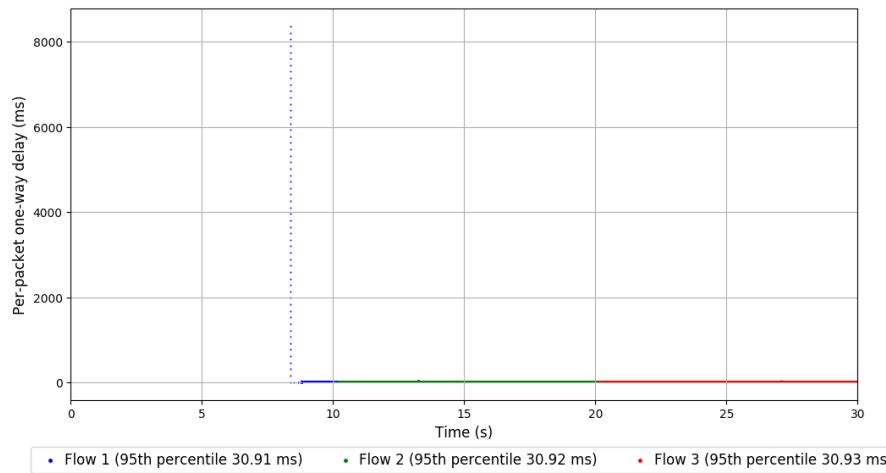
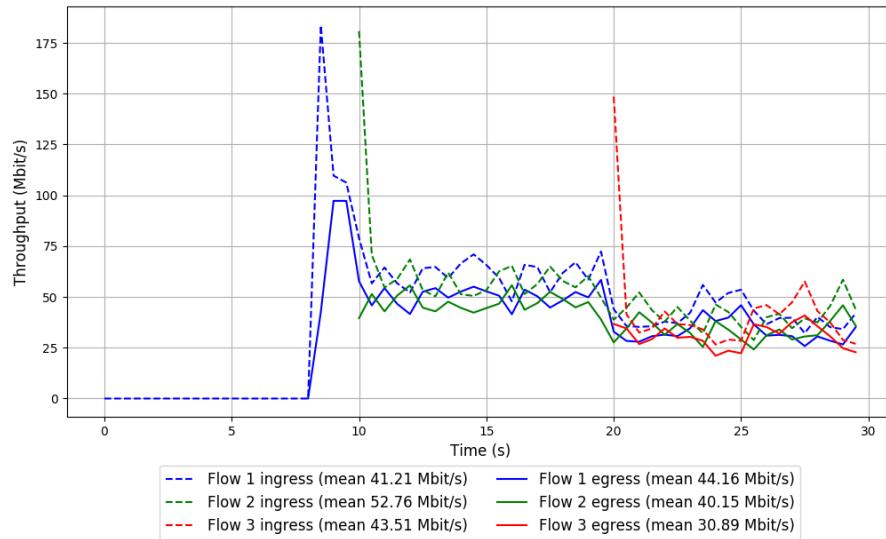
Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-01-17 02:29:47
End at: 2018-01-17 02:30:17
Local clock offset: 0.462 ms
Remote clock offset: -0.094 ms

Run 1: Report of FillP — Data Link

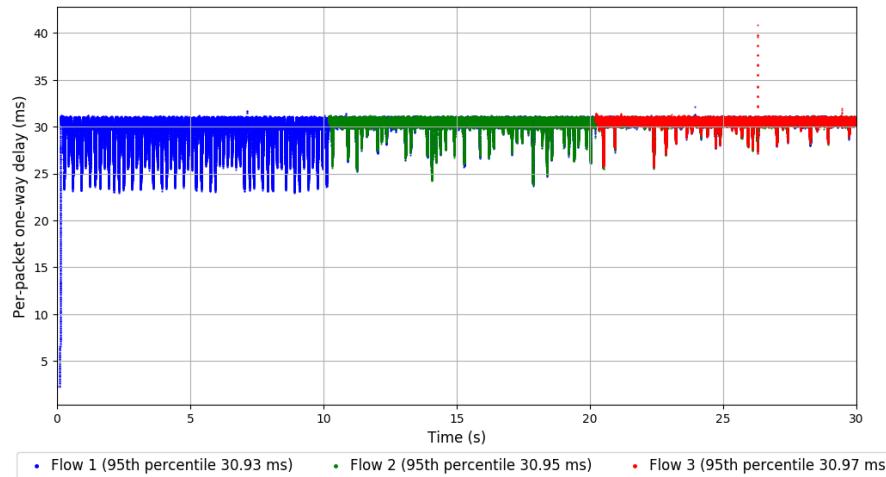
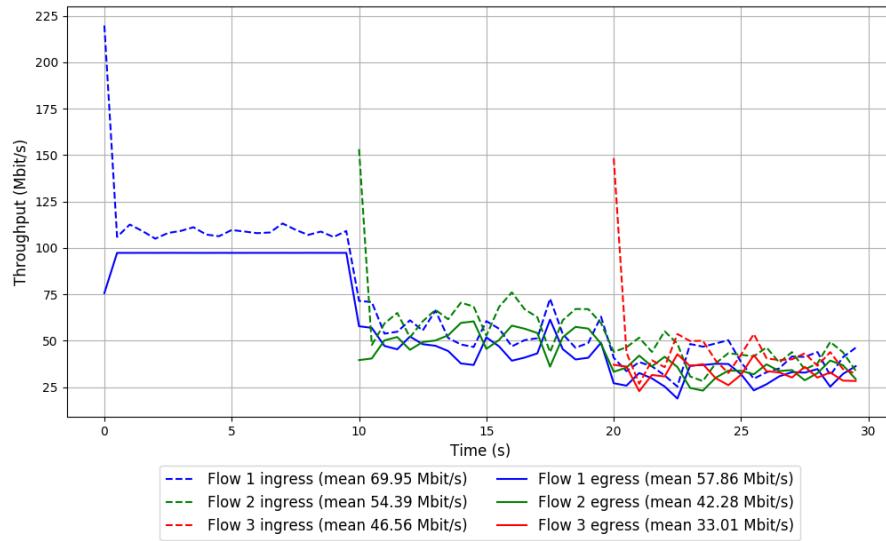


Run 2: Statistics of FillP

```
Start at: 2018-01-17 02:50:28
End at: 2018-01-17 02:50:58
Local clock offset: 0.385 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-01-17 06:35:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.945 ms
Loss rate: 20.23%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 30.934 ms
Loss rate: 17.21%
-- Flow 2:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 30.950 ms
Loss rate: 22.27%
-- Flow 3:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 30.974 ms
Loss rate: 29.11%
```

Run 2: Report of FillP — Data Link

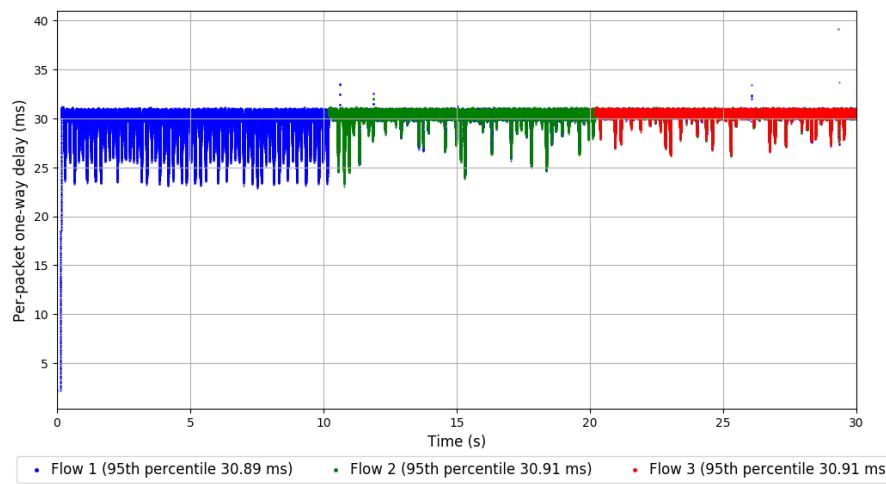
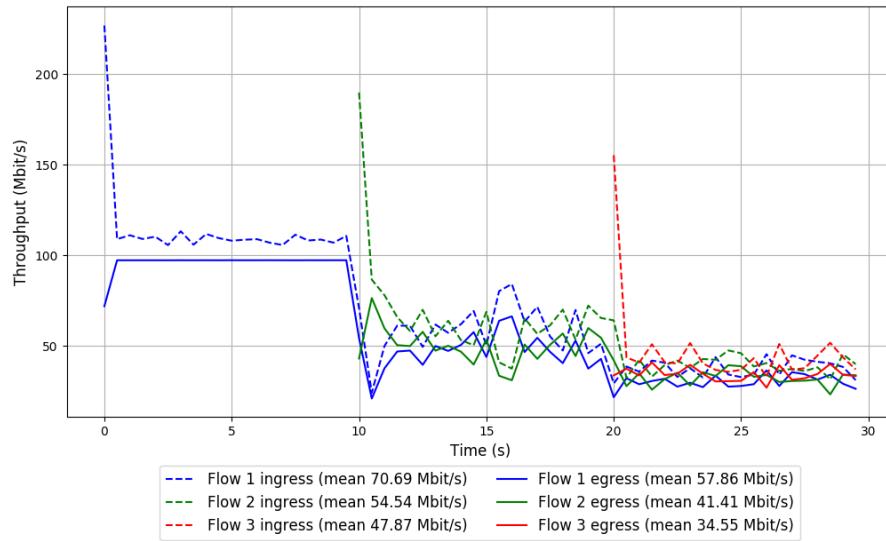


Run 3: Statistics of FillP

```
Start at: 2018-01-17 03:11:12
End at: 2018-01-17 03:11:42
Local clock offset: 0.425 ms
Remote clock offset: 0.142 ms

# Below is generated by plot.py at 2018-01-17 06:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 30.897 ms
Loss rate: 21.11%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 18.07%
-- Flow 2:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 30.911 ms
Loss rate: 24.09%
-- Flow 3:
Average throughput: 34.55 Mbit/s
95th percentile per-packet one-way delay: 30.908 ms
Loss rate: 27.84%
```

Run 3: Report of FillP — Data Link

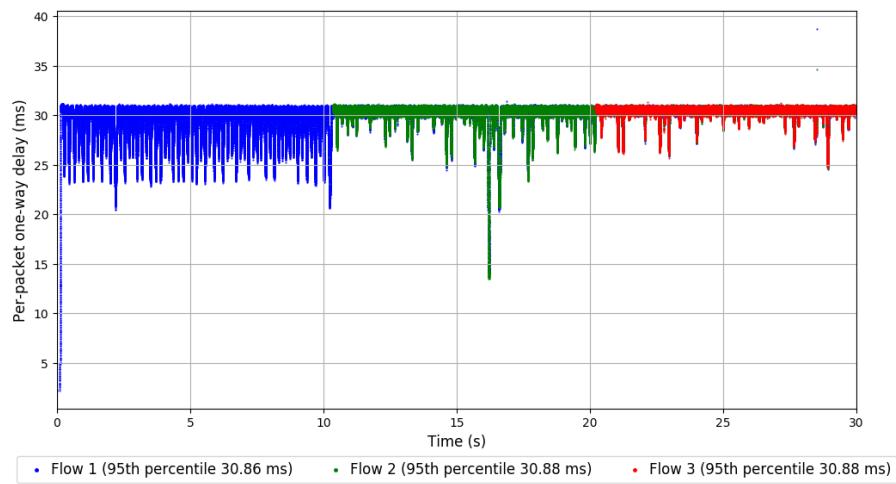
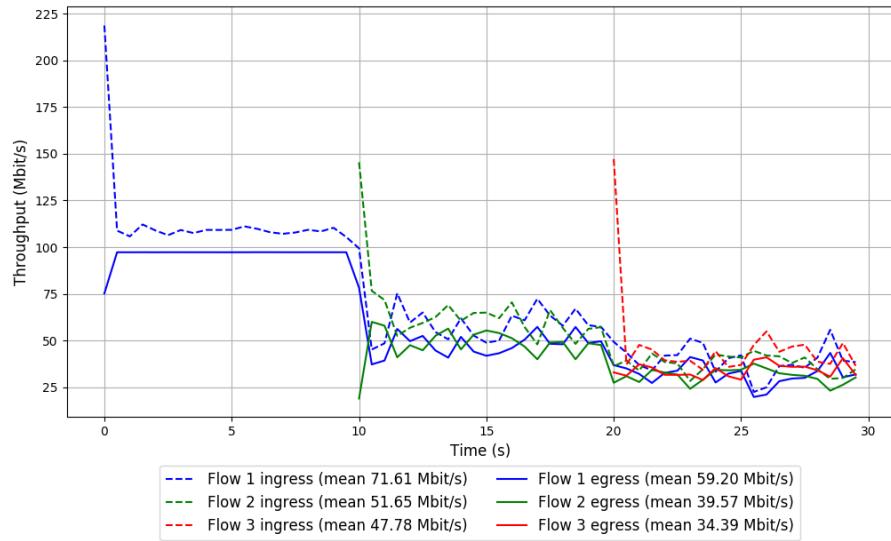


Run 4: Statistics of FillP

```
Start at: 2018-01-17 03:31:53
End at: 2018-01-17 03:32:23
Local clock offset: 0.39 ms
Remote clock offset: 0.635 ms

# Below is generated by plot.py at 2018-01-17 06:35:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 20.38%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 30.859 ms
Loss rate: 17.25%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 30.880 ms
Loss rate: 23.37%
-- Flow 3:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 30.884 ms
Loss rate: 28.03%
```

Run 4: Report of FillP — Data Link

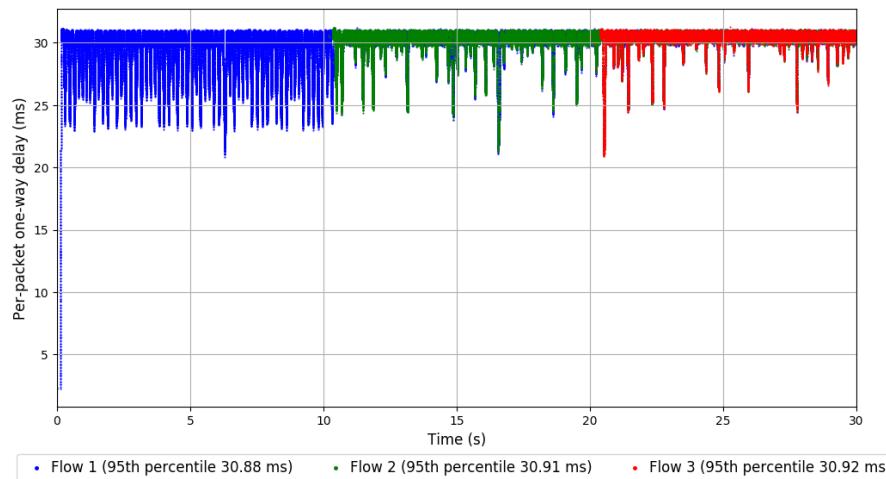
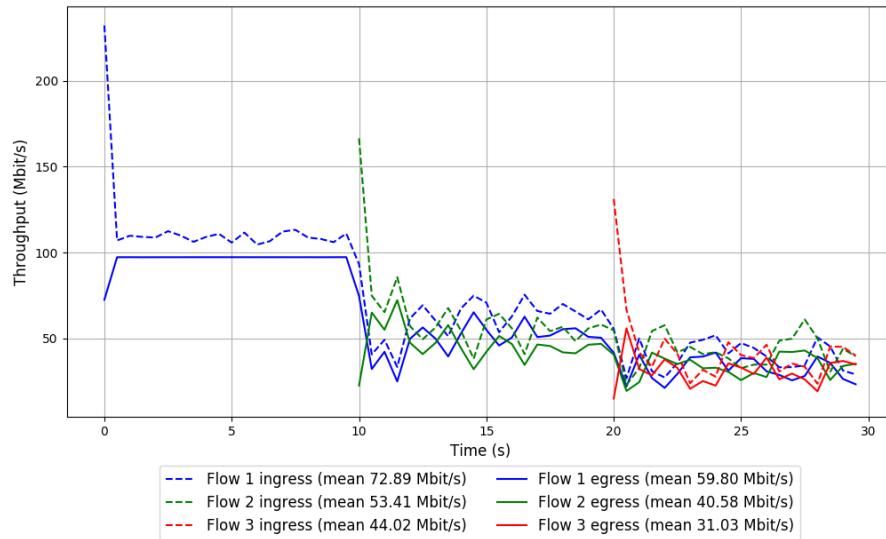


Run 5: Statistics of FillP

```
Start at: 2018-01-17 03:52:37
End at: 2018-01-17 03:53:07
Local clock offset: 0.323 ms
Remote clock offset: 1.393 ms

# Below is generated by plot.py at 2018-01-17 06:35:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.899 ms
Loss rate: 21.20%
-- Flow 1:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 30.883 ms
Loss rate: 17.87%
-- Flow 2:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 30.913 ms
Loss rate: 24.60%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 30.924 ms
Loss rate: 29.52%
```

Run 5: Report of FillP — Data Link

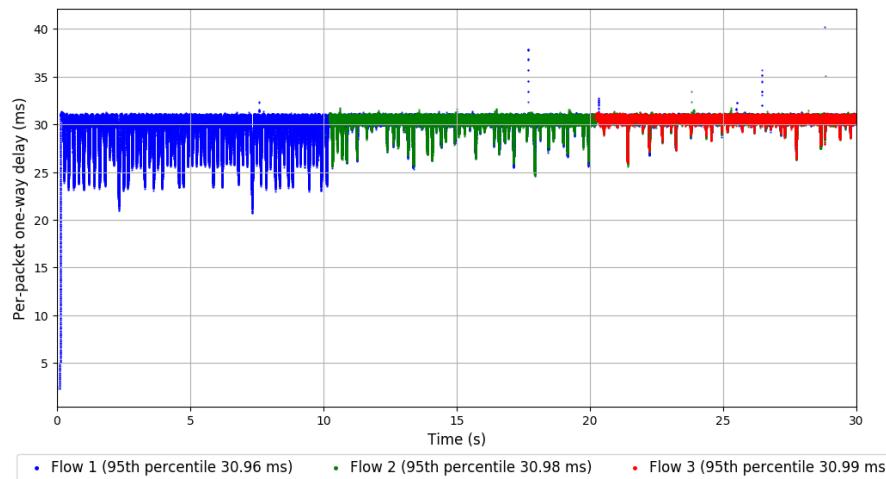
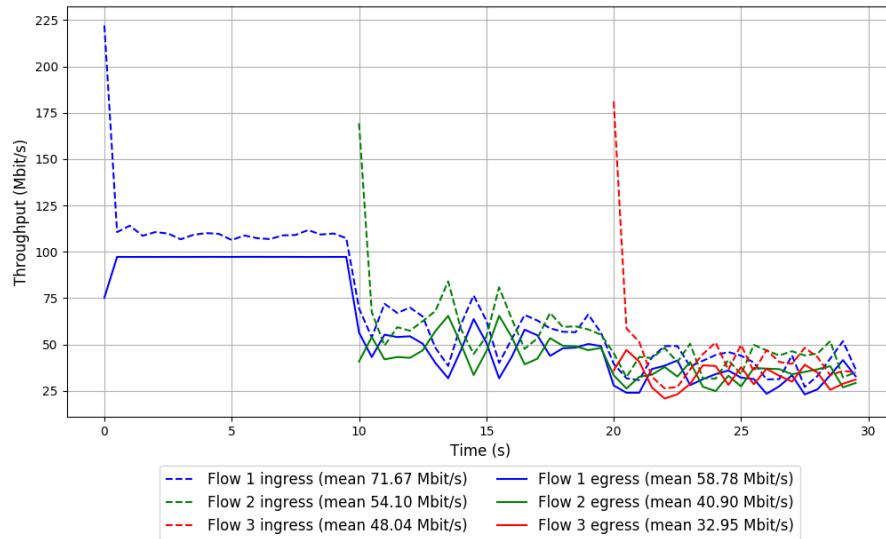


Run 6: Statistics of FillP

```
Start at: 2018-01-17 04:13:21
End at: 2018-01-17 04:13:51
Local clock offset: 0.285 ms
Remote clock offset: 1.793 ms

# Below is generated by plot.py at 2018-01-17 06:35:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.974 ms
Loss rate: 21.54%
-- Flow 1:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 30.963 ms
Loss rate: 17.91%
-- Flow 2:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 30.984 ms
Loss rate: 24.39%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 30.994 ms
Loss rate: 31.42%
```

Run 6: Report of FillP — Data Link

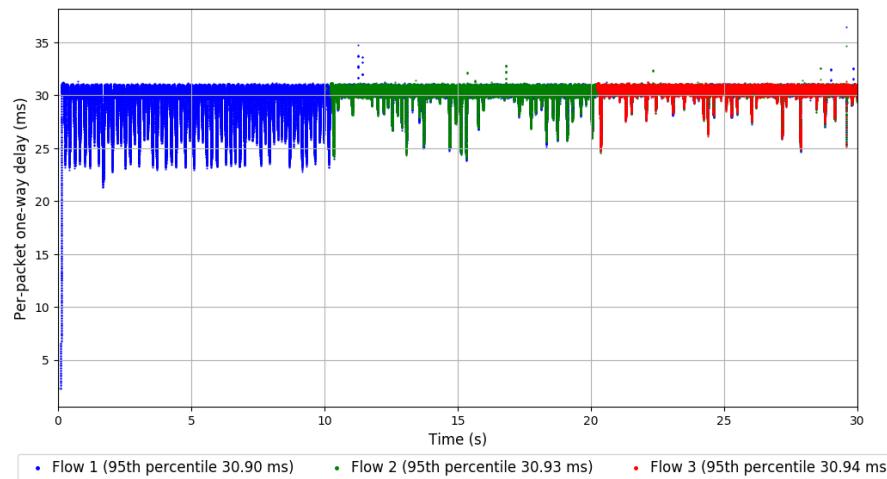
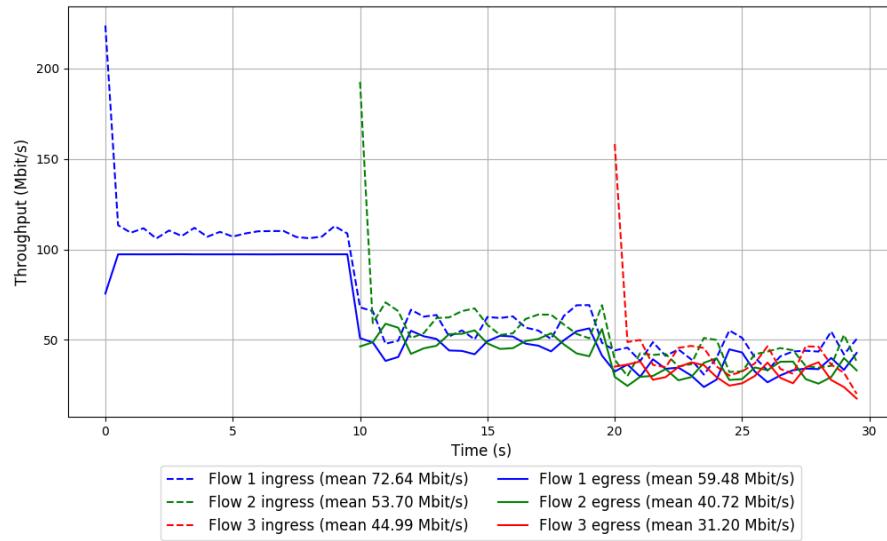


Run 7: Statistics of FillP

```
Start at: 2018-01-17 04:34:05
End at: 2018-01-17 04:34:35
Local clock offset: 0.348 ms
Remote clock offset: 1.748 ms

# Below is generated by plot.py at 2018-01-17 06:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.916 ms
Loss rate: 21.34%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 30.902 ms
Loss rate: 18.03%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 30.927 ms
Loss rate: 24.18%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 30.942 ms
Loss rate: 30.61%
```

Run 7: Report of FillP — Data Link

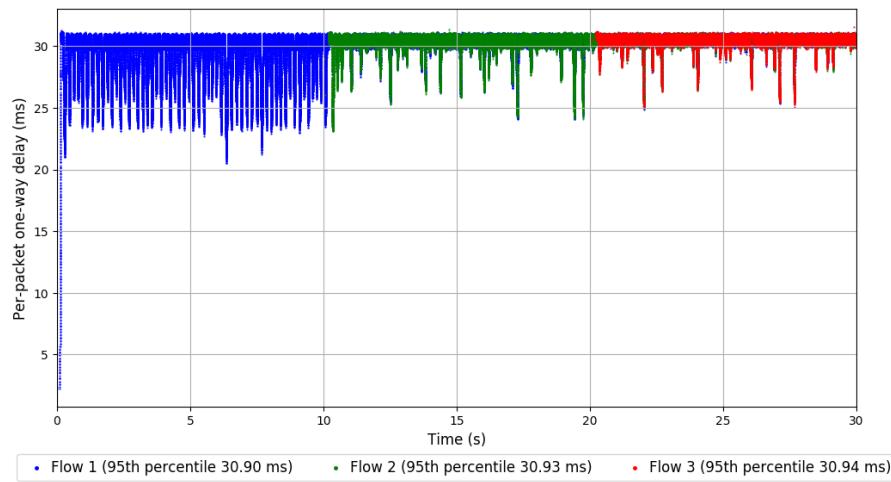
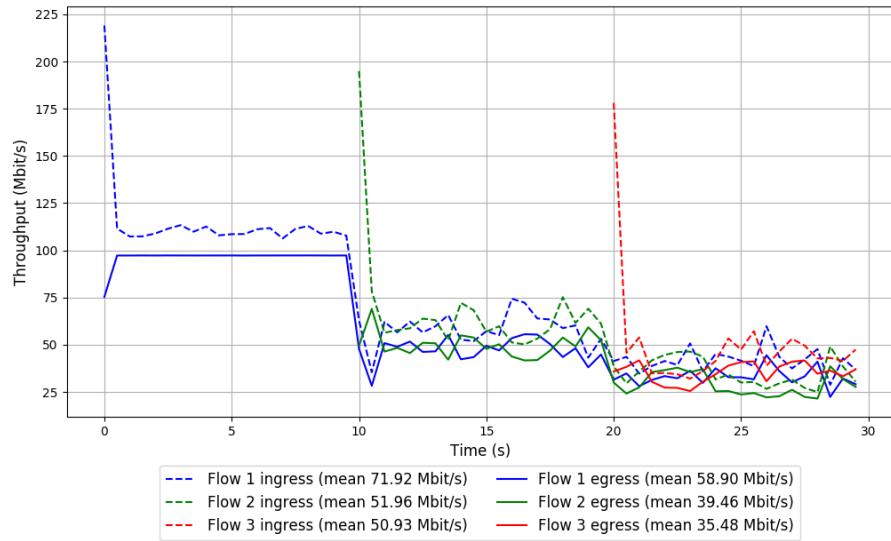


Run 8: Statistics of FillP

```
Start at: 2018-01-17 04:54:49
End at: 2018-01-17 04:55:19
Local clock offset: 0.344 ms
Remote clock offset: 1.545 ms

# Below is generated by plot.py at 2018-01-17 06:36:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.918 ms
Loss rate: 21.41%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 30.904 ms
Loss rate: 18.03%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 30.929 ms
Loss rate: 24.05%
-- Flow 3:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 30.943 ms
Loss rate: 30.34%
```

Run 8: Report of FillP — Data Link

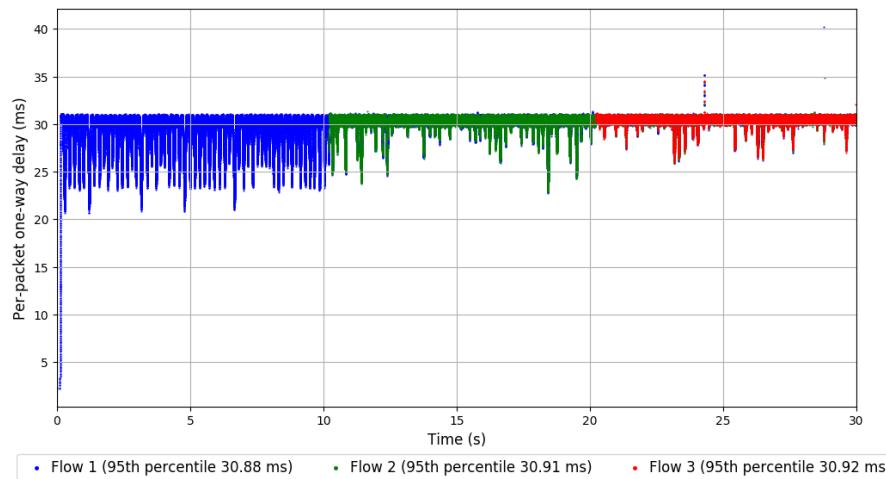
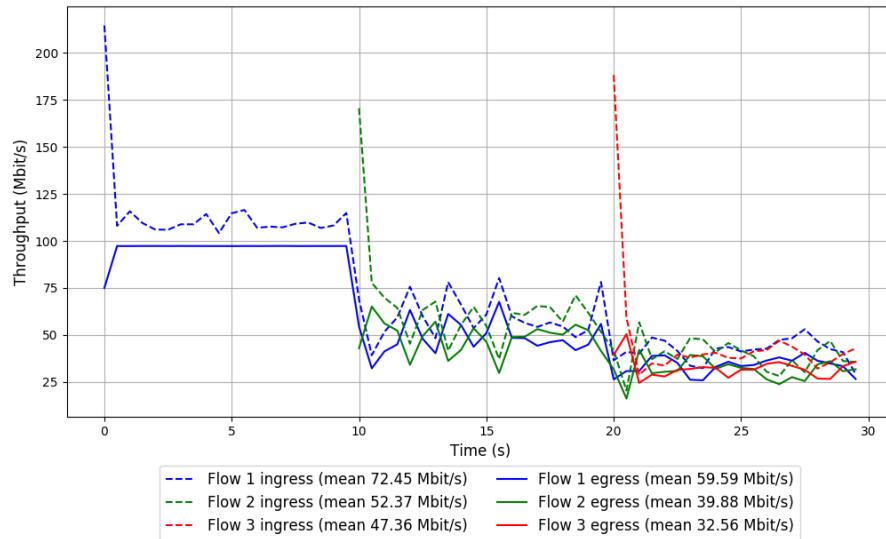


Run 9: Statistics of FillP

```
Start at: 2018-01-17 05:15:33
End at: 2018-01-17 05:16:03
Local clock offset: 0.321 ms
Remote clock offset: 1.2 ms

# Below is generated by plot.py at 2018-01-17 06:37:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.893 ms
Loss rate: 21.15%
-- Flow 1:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 30.877 ms
Loss rate: 17.68%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 30.906 ms
Loss rate: 23.83%
-- Flow 3:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 30.919 ms
Loss rate: 31.24%
```

Run 9: Report of FillP — Data Link

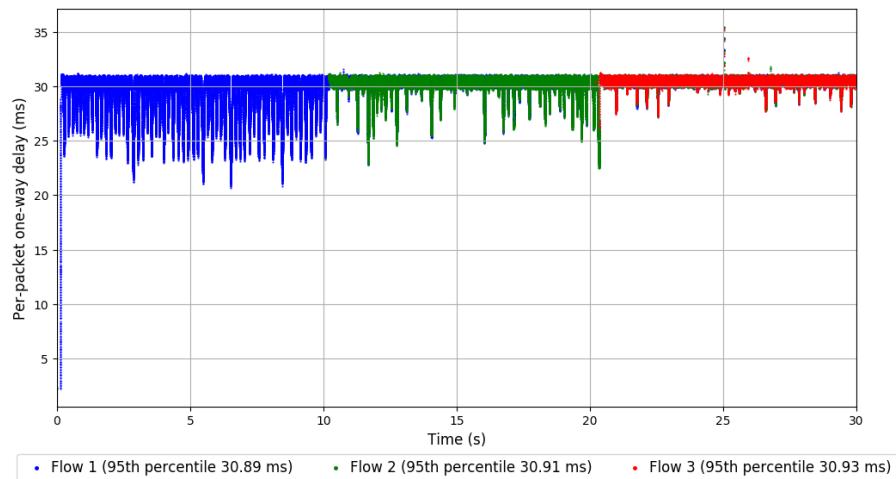
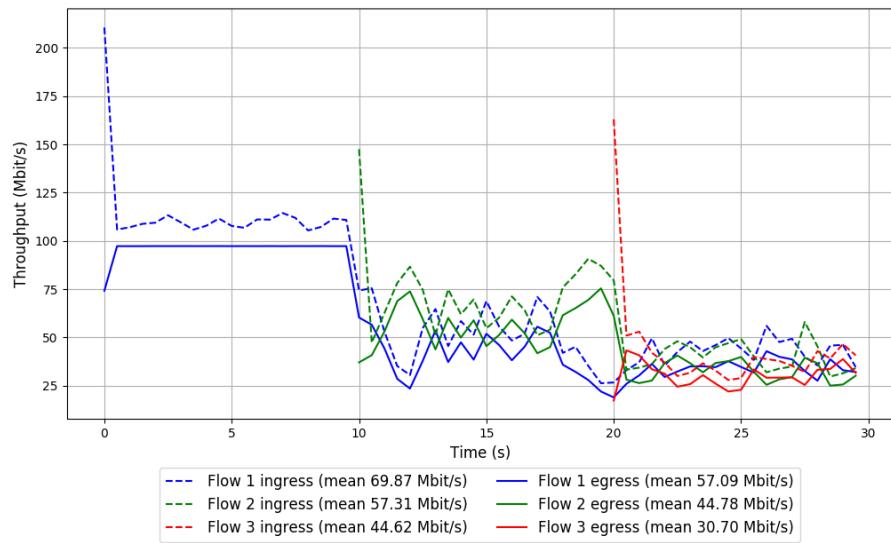


Run 10: Statistics of FillP

```
Start at: 2018-01-17 05:36:17
End at: 2018-01-17 05:36:47
Local clock offset: 0.29 ms
Remote clock offset: 0.796 ms

# Below is generated by plot.py at 2018-01-17 06:37:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.901 ms
Loss rate: 21.03%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 18.22%
-- Flow 2:
Average throughput: 44.78 Mbit/s
95th percentile per-packet one-way delay: 30.911 ms
Loss rate: 21.85%
-- Flow 3:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 30.932 ms
Loss rate: 32.24%
```

Run 10: Report of FillP — Data Link

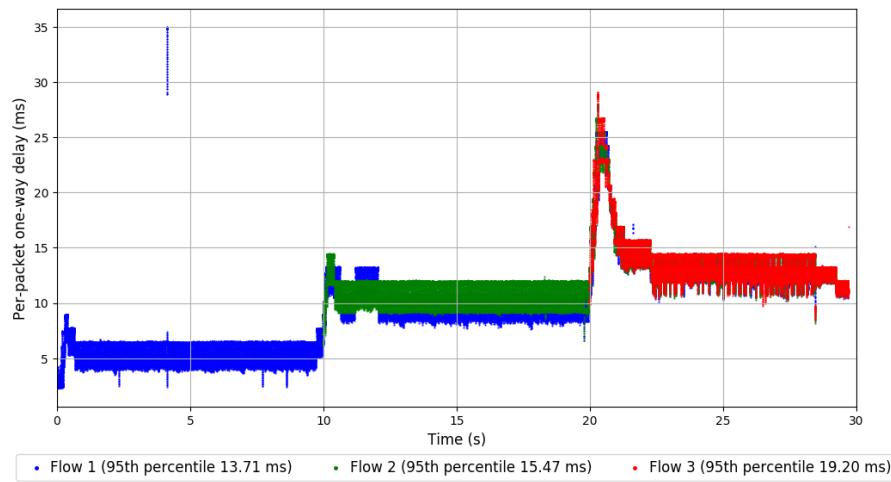
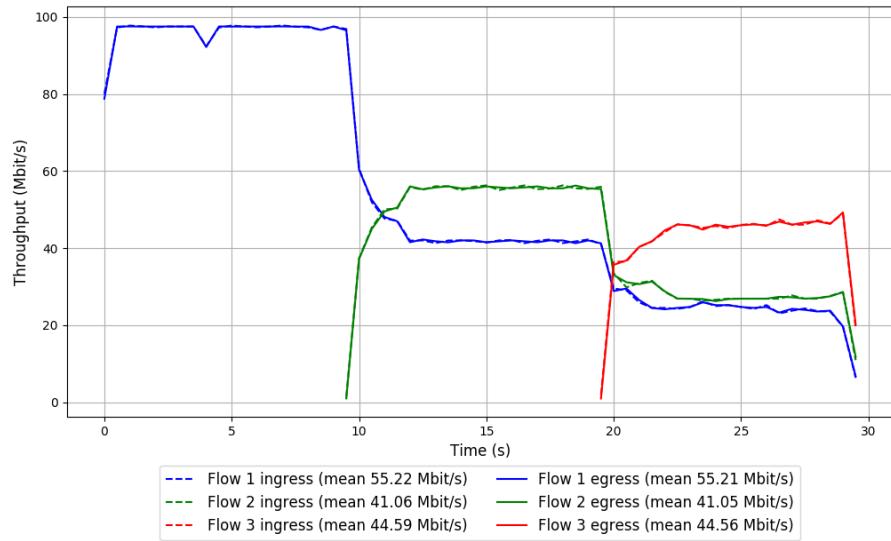


Run 1: Statistics of Indigo

```
Start at: 2018-01-17 02:34:27
End at: 2018-01-17 02:34:57
Local clock offset: 0.401 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-01-17 06:37:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 15.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 13.713 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 15.475 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 19.199 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

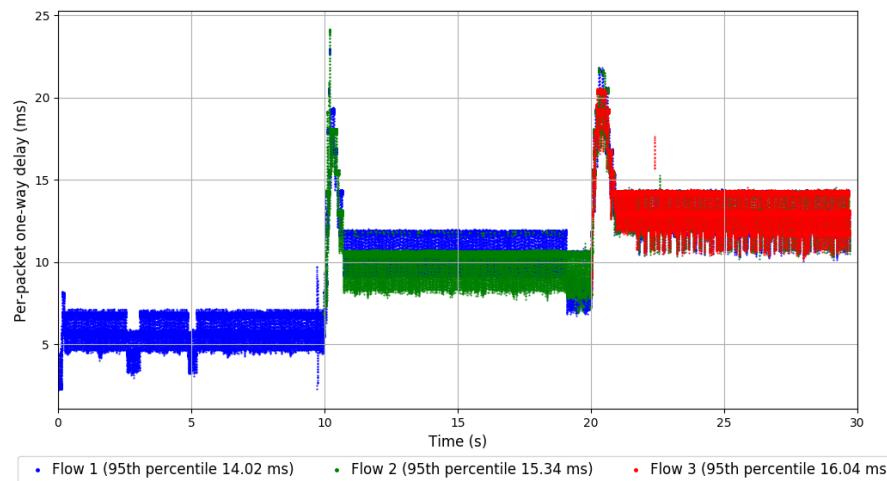
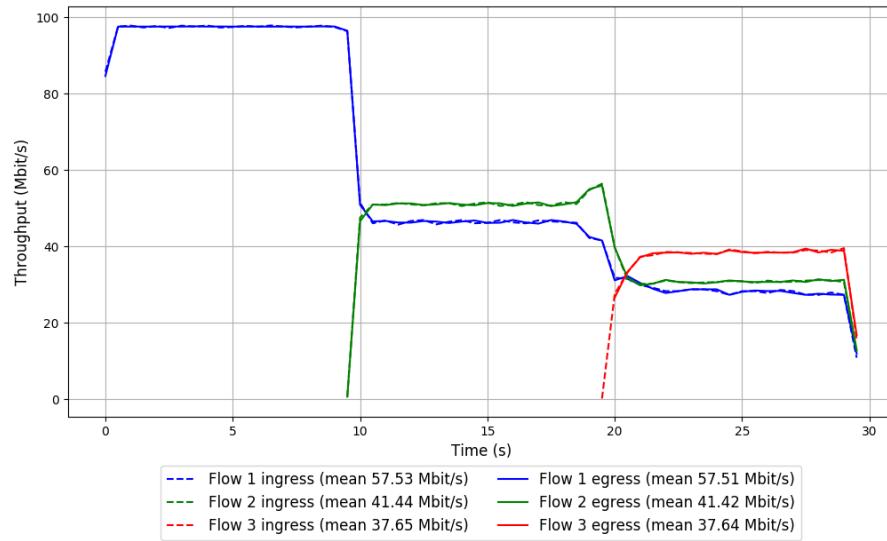


Run 2: Statistics of Indigo

```
Start at: 2018-01-17 02:55:10
End at: 2018-01-17 02:55:40
Local clock offset: 0.443 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-01-17 06:37:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 14.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.51 Mbit/s
95th percentile per-packet one-way delay: 14.020 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 15.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 16.039 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

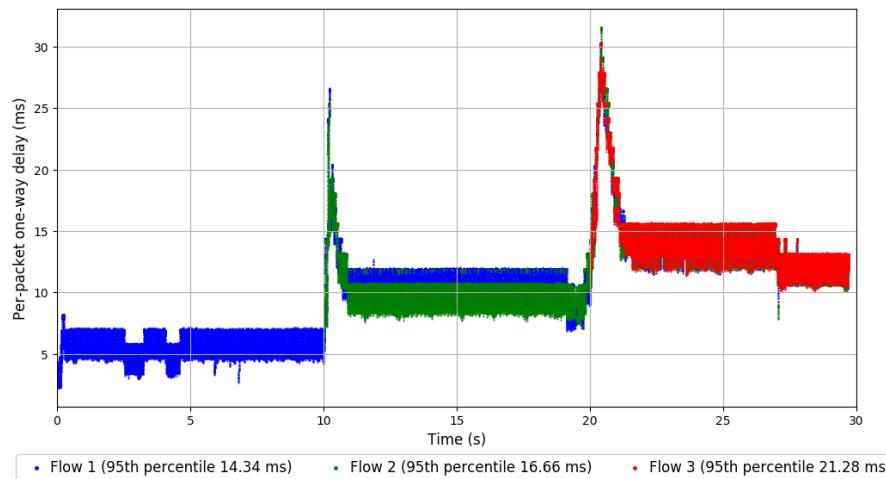
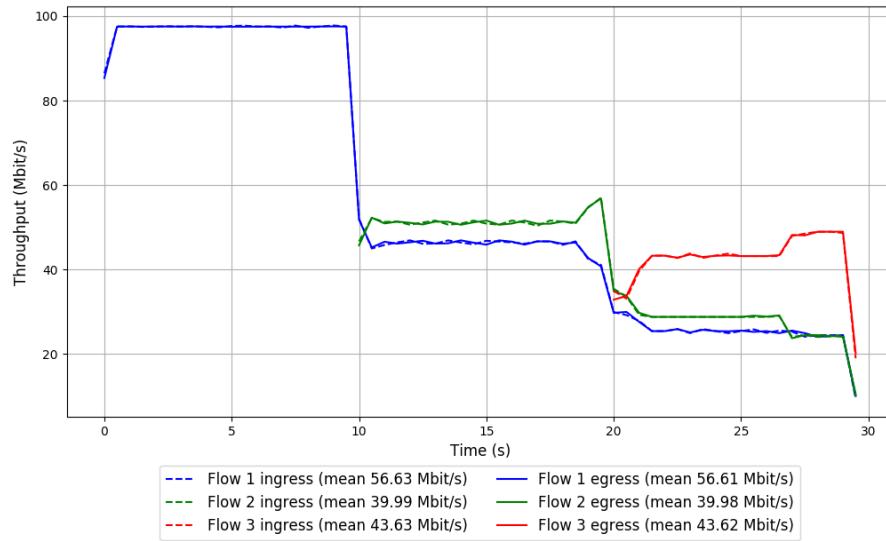


Run 3: Statistics of Indigo

```
Start at: 2018-01-17 03:15:51
End at: 2018-01-17 03:16:21
Local clock offset: 0.398 ms
Remote clock offset: 0.223 ms

# Below is generated by plot.py at 2018-01-17 06:37:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 15.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 14.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 16.658 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 21.277 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

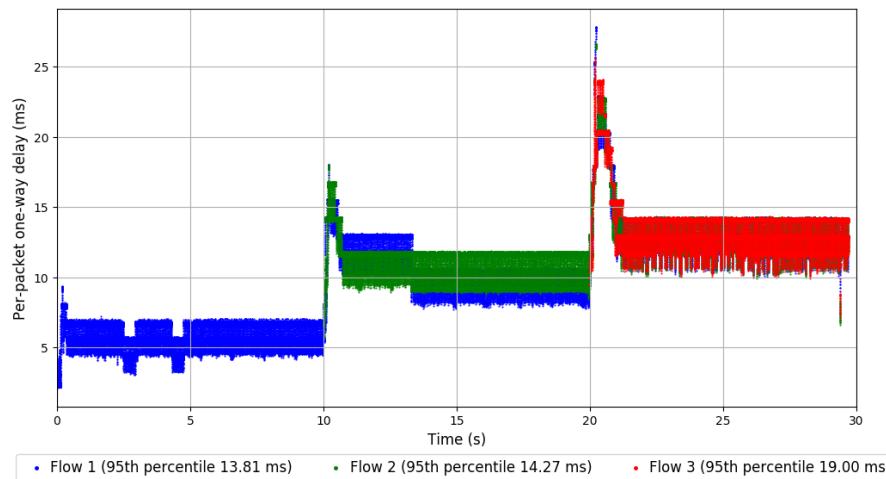
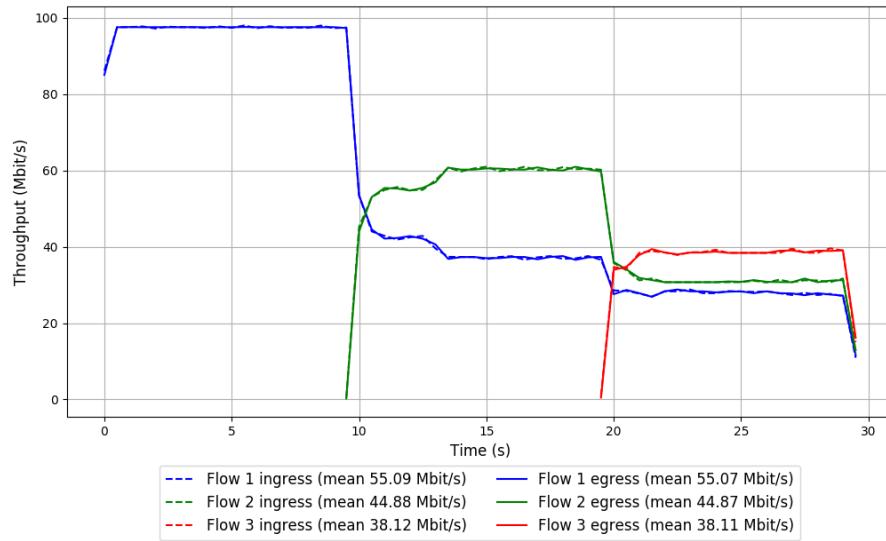


Run 4: Statistics of Indigo

```
Start at: 2018-01-17 03:36:35
End at: 2018-01-17 03:37:05
Local clock offset: 0.385 ms
Remote clock offset: 0.776 ms

# Below is generated by plot.py at 2018-01-17 06:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 14.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 13.815 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 14.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 19.003 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

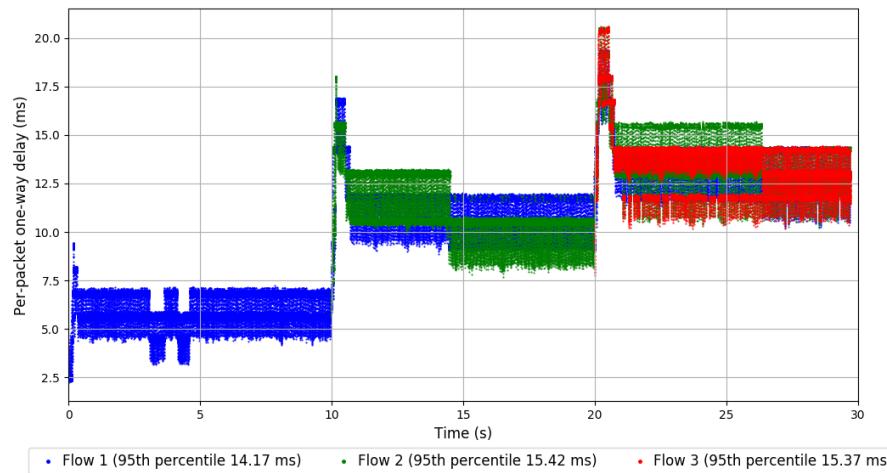
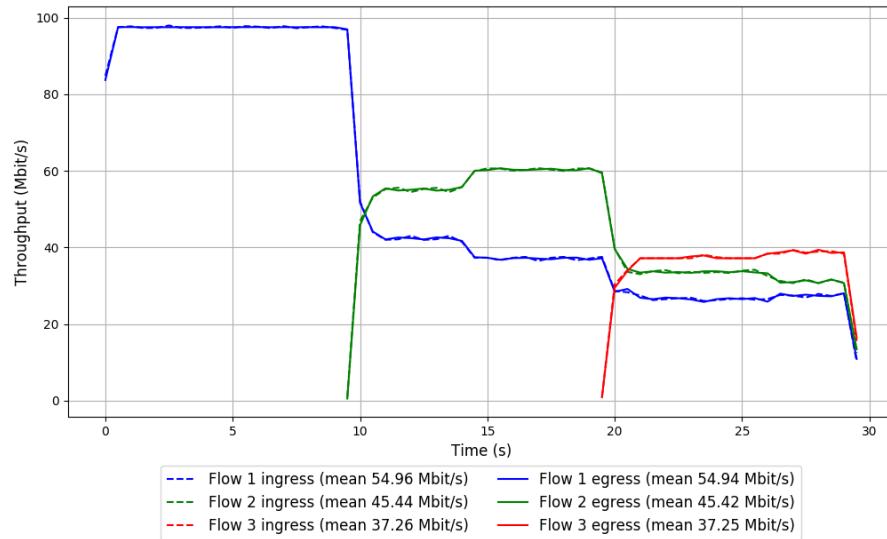


Run 5: Statistics of Indigo

```
Start at: 2018-01-17 03:57:19
End at: 2018-01-17 03:57:49
Local clock offset: 0.338 ms
Remote clock offset: 1.525 ms

# Below is generated by plot.py at 2018-01-17 06:37:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 14.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 14.173 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 15.417 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 15.373 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

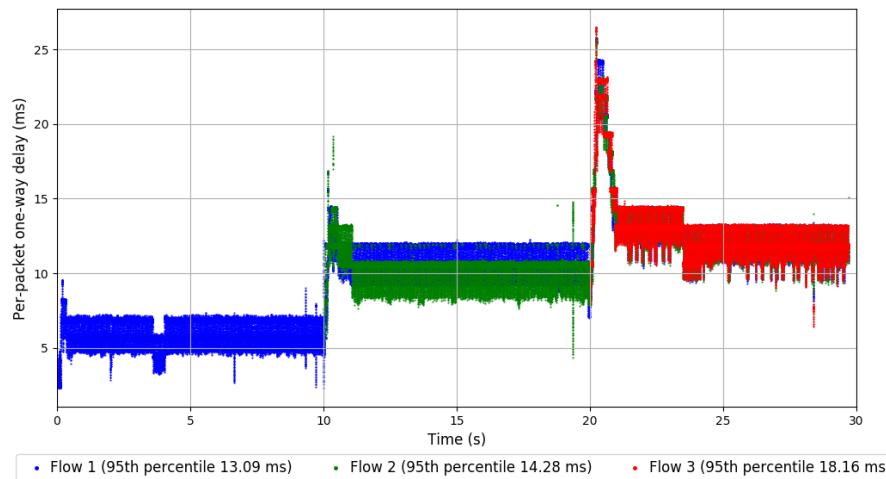
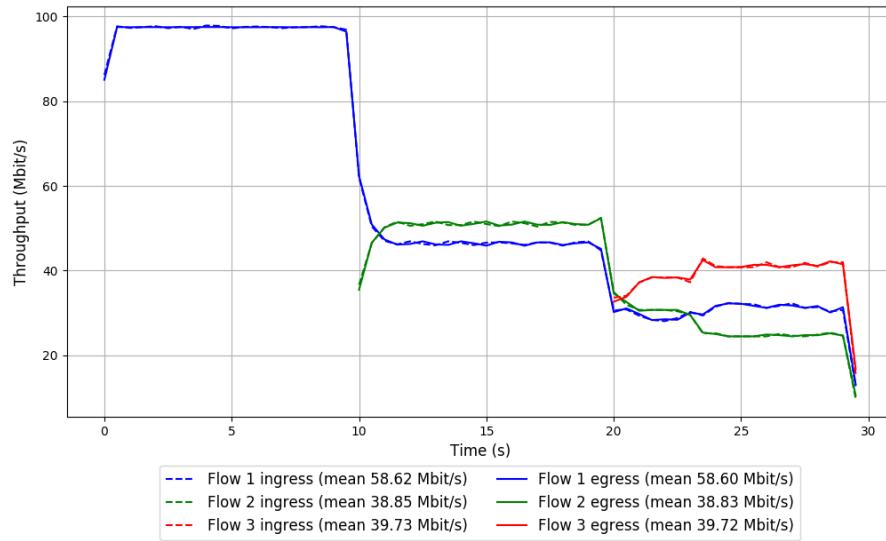


Run 6: Statistics of Indigo

```
Start at: 2018-01-17 04:18:03
End at: 2018-01-17 04:18:33
Local clock offset: 0.299 ms
Remote clock offset: 1.787 ms

# Below is generated by plot.py at 2018-01-17 06:38:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 13.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 14.278 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 18.165 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

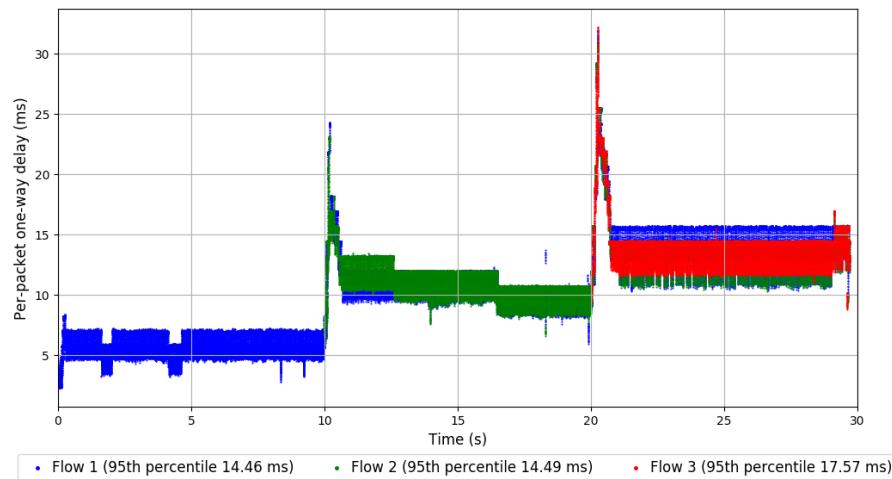
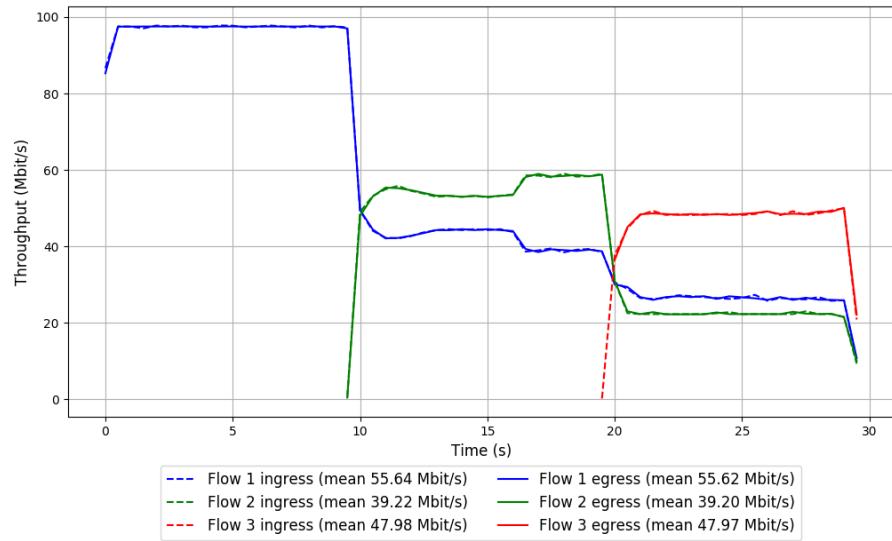


Run 7: Statistics of Indigo

```
Start at: 2018-01-17 04:38:47
End at: 2018-01-17 04:39:17
Local clock offset: 0.303 ms
Remote clock offset: 1.751 ms

# Below is generated by plot.py at 2018-01-17 06:38:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 14.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 14.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 14.494 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 17.572 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

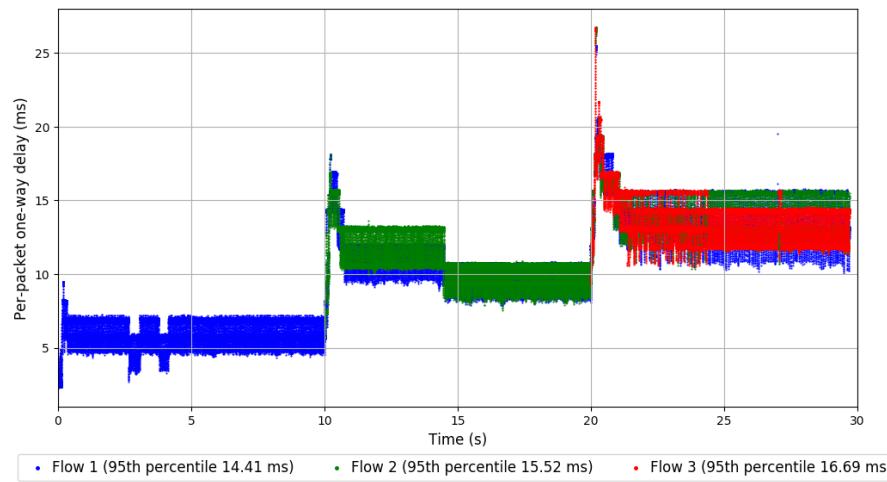
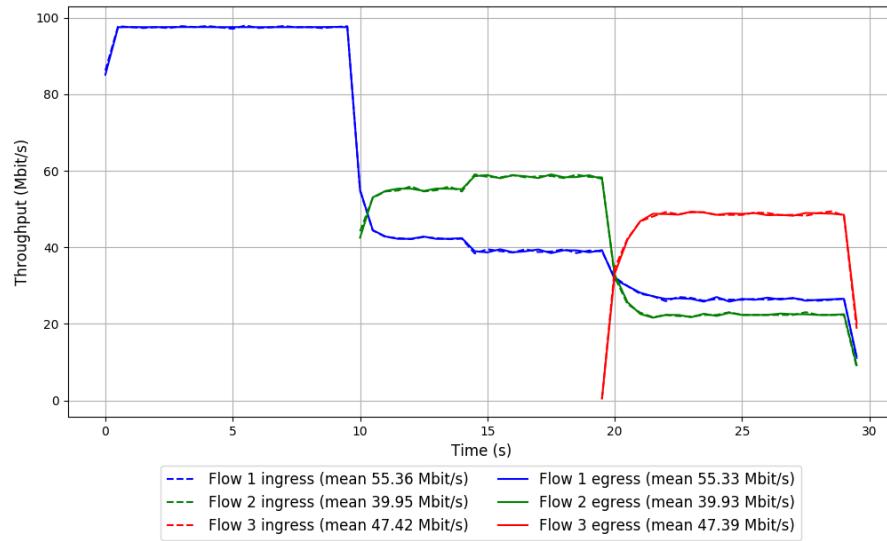


Run 8: Statistics of Indigo

```
Start at: 2018-01-17 04:59:31
End at: 2018-01-17 05:00:01
Local clock offset: 0.294 ms
Remote clock offset: 1.477 ms

# Below is generated by plot.py at 2018-01-17 06:38:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 15.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 14.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 15.522 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.39 Mbit/s
95th percentile per-packet one-way delay: 16.688 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

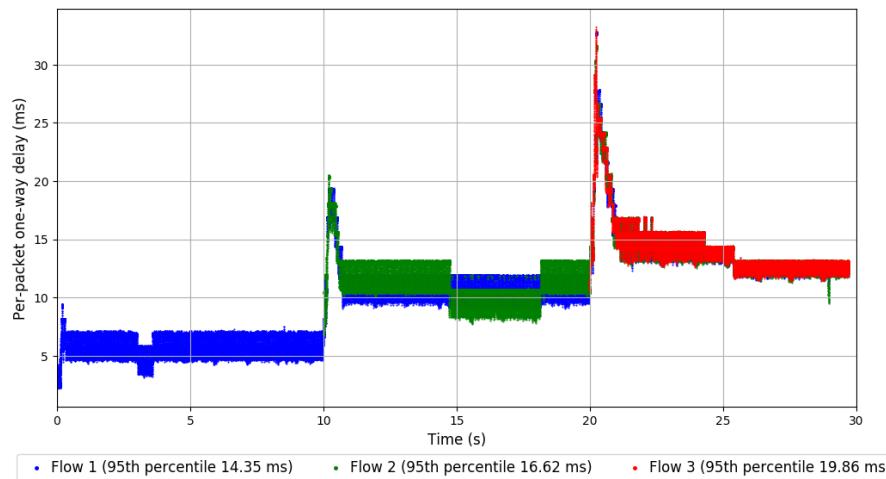
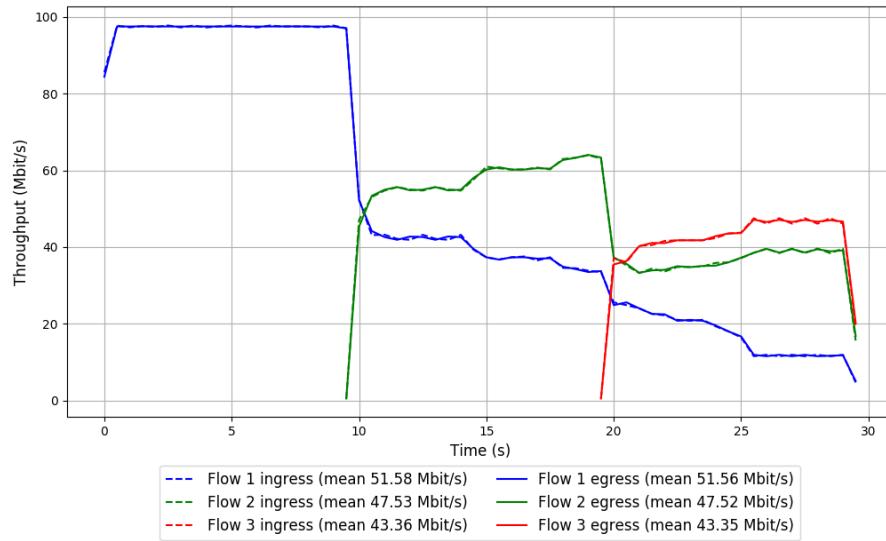


Run 9: Statistics of Indigo

```
Start at: 2018-01-17 05:20:14
End at: 2018-01-17 05:20:44
Local clock offset: 0.308 ms
Remote clock offset: 1.138 ms

# Below is generated by plot.py at 2018-01-17 06:38:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 15.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.56 Mbit/s
95th percentile per-packet one-way delay: 14.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 16.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.35 Mbit/s
95th percentile per-packet one-way delay: 19.865 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

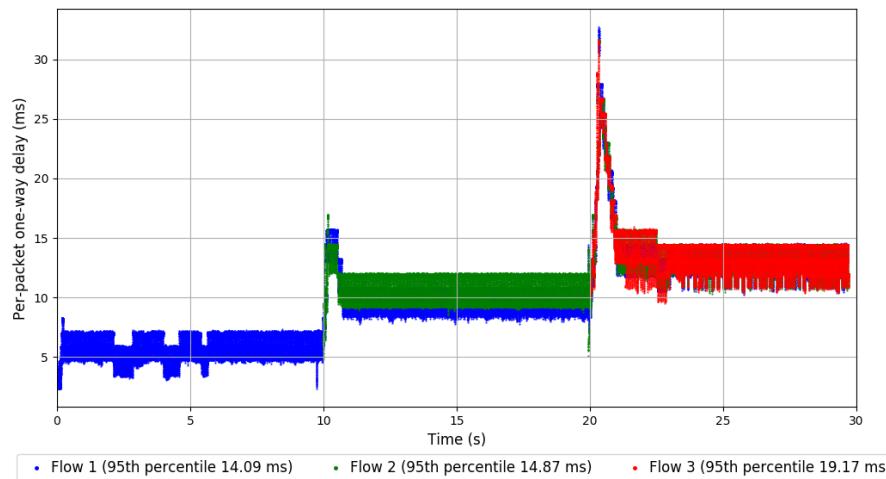
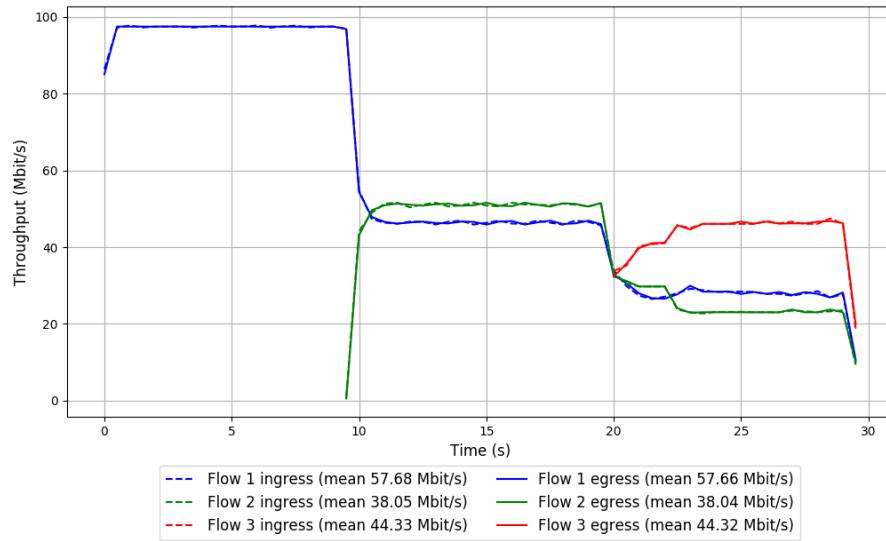


Run 10: Statistics of Indigo

```
Start at: 2018-01-17 05:40:58
End at: 2018-01-17 05:41:28
Local clock offset: 0.285 ms
Remote clock offset: 0.721 ms

# Below is generated by plot.py at 2018-01-17 06:38:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 14.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 14.086 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 14.872 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.32 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

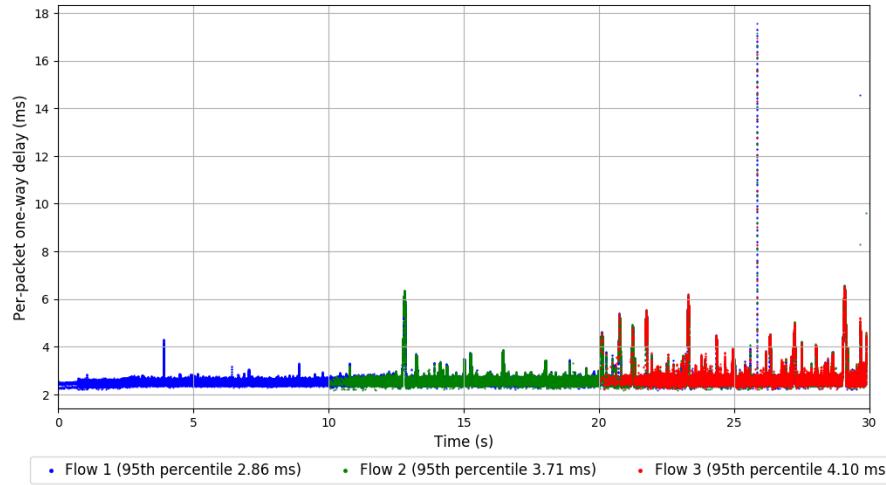
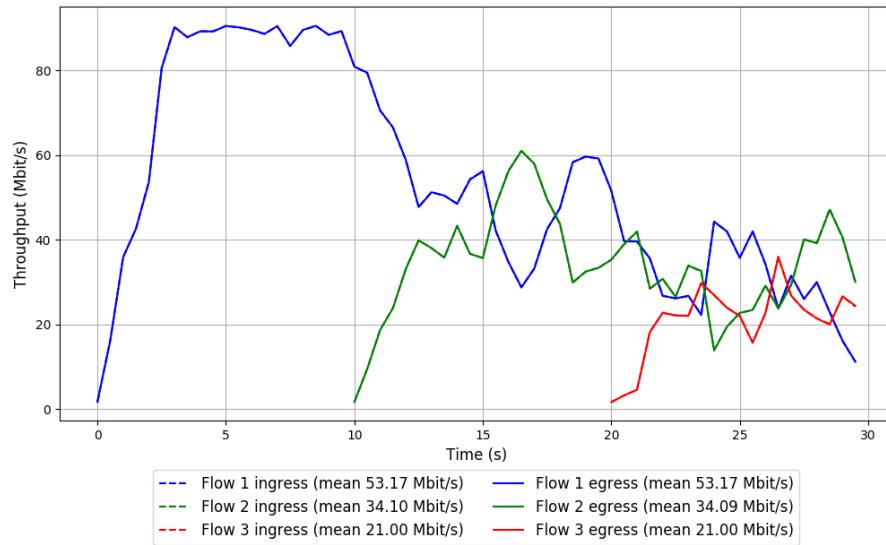


Run 1: Statistics of Vivace-latency

```
Start at: 2018-01-17 02:20:31
End at: 2018-01-17 02:21:01
Local clock offset: 0.369 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-01-17 06:39:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 3.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 2.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 3.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 4.098 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-latency — Data Link

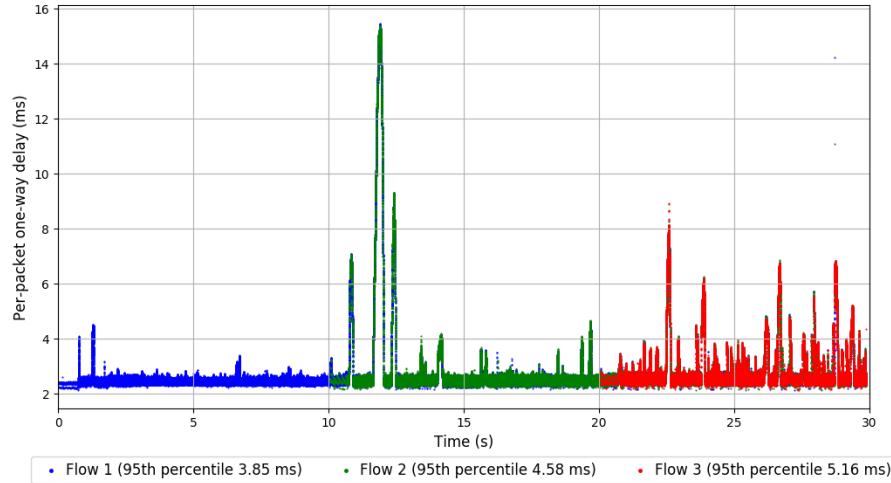
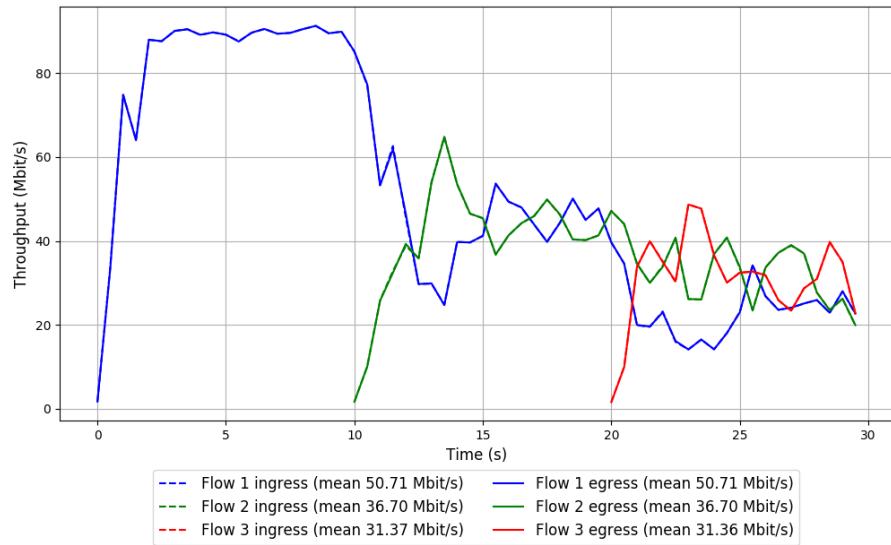


Run 2: Statistics of Vivace-latency

```
Start at: 2018-01-17 02:41:12
End at: 2018-01-17 02:41:42
Local clock offset: 0.451 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-01-17 06:39:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 4.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 4.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 5.155 ms
Loss rate: 0.01%
```

Run 2: Report of Vivace-latency — Data Link

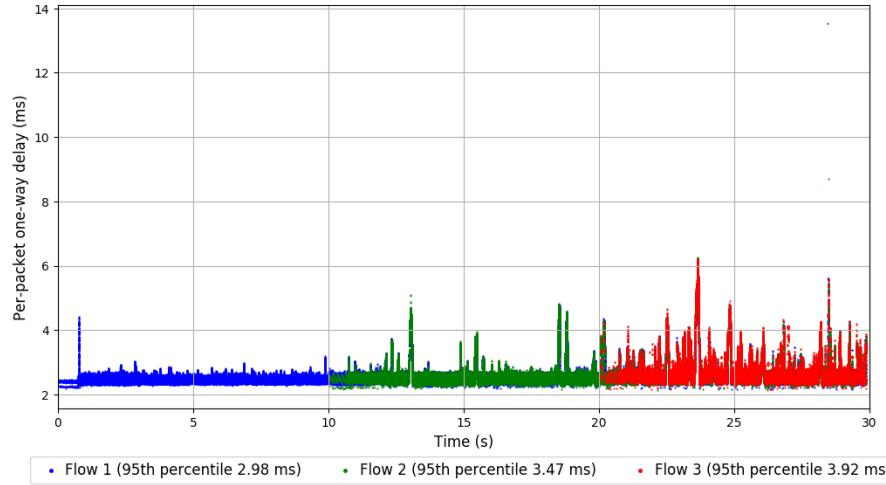
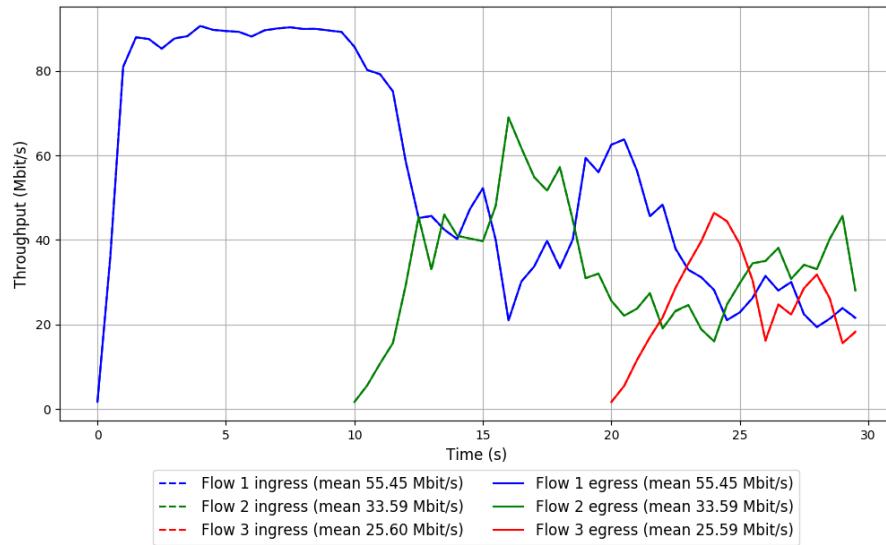


Run 3: Statistics of Vivace-latency

```
Start at: 2018-01-17 03:01:55
End at: 2018-01-17 03:02:25
Local clock offset: 0.432 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2018-01-17 06:40:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 3.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 2.983 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 3.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 3.919 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link

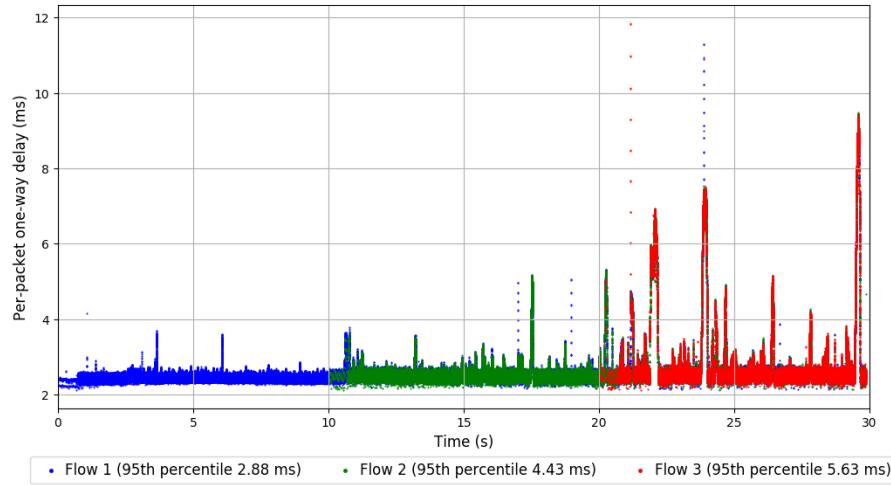
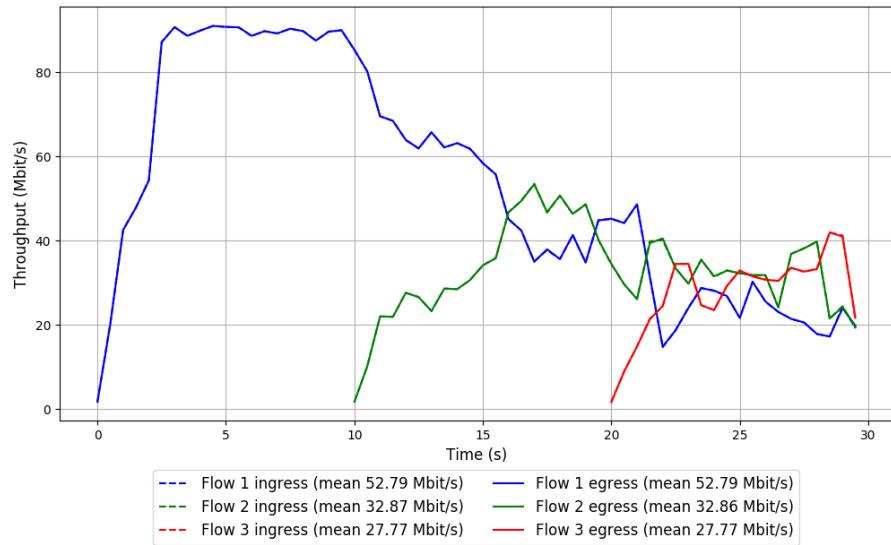


Run 4: Statistics of Vivace-latency

```
Start at: 2018-01-17 03:22:36
End at: 2018-01-17 03:23:06
Local clock offset: 0.314 ms
Remote clock offset: 0.245 ms

# Below is generated by plot.py at 2018-01-17 06:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 3.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 2.885 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 4.432 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.77 Mbit/s
95th percentile per-packet one-way delay: 5.633 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link

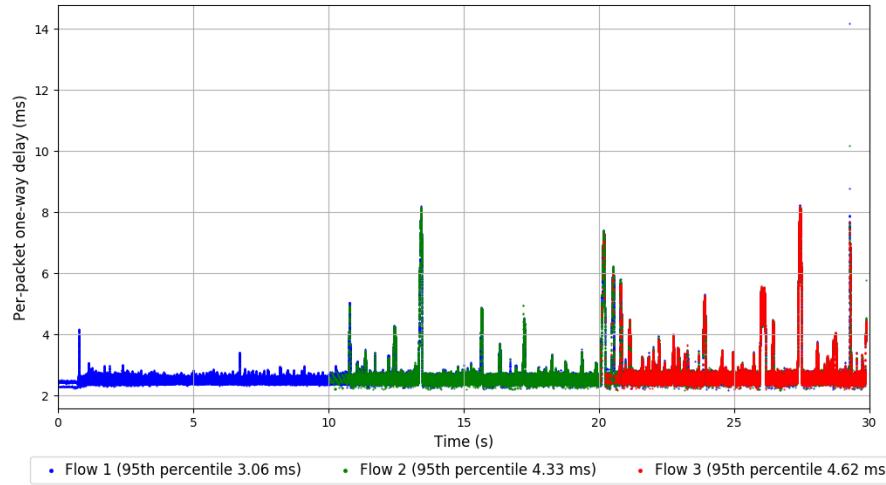
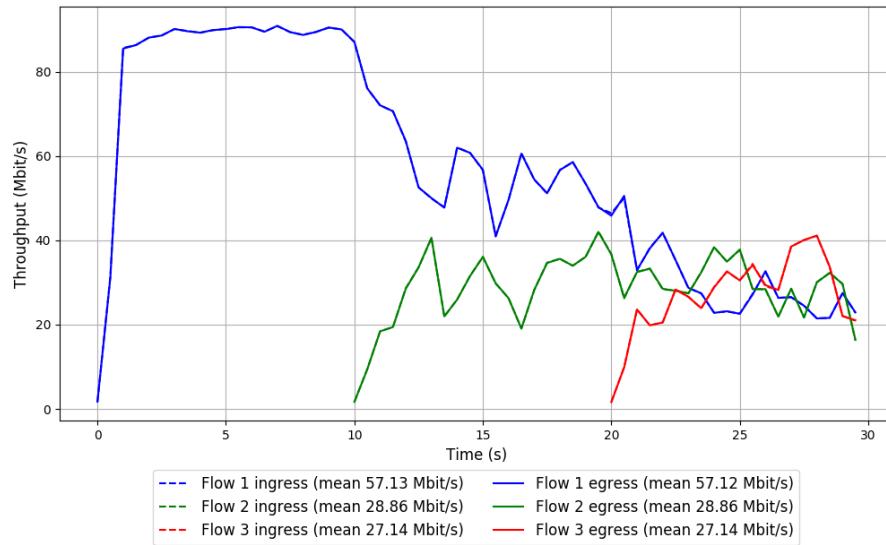


Run 5: Statistics of Vivace-latency

```
Start at: 2018-01-17 03:43:20
End at: 2018-01-17 03:43:50
Local clock offset: 0.293 ms
Remote clock offset: 1.107 ms

# Below is generated by plot.py at 2018-01-17 06:41:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 3.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 3.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 4.328 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.14 Mbit/s
95th percentile per-packet one-way delay: 4.617 ms
Loss rate: 0.00%
```

Run 5: Report of Vivace-latency — Data Link

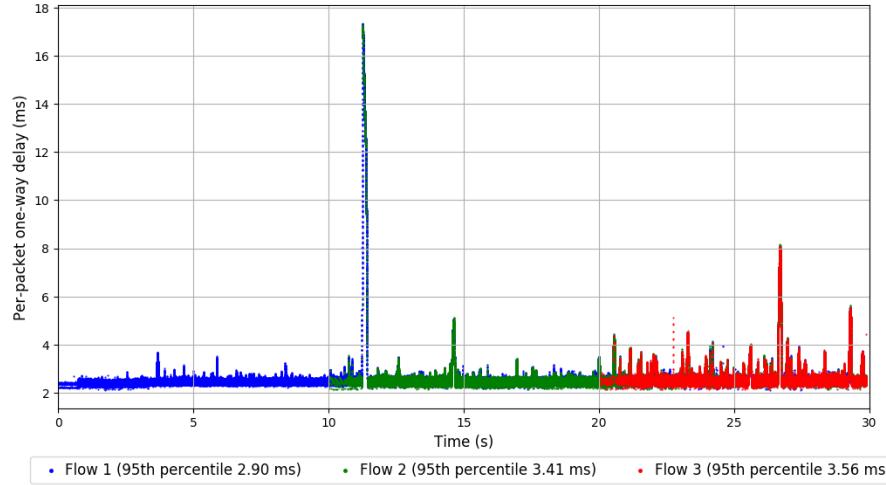
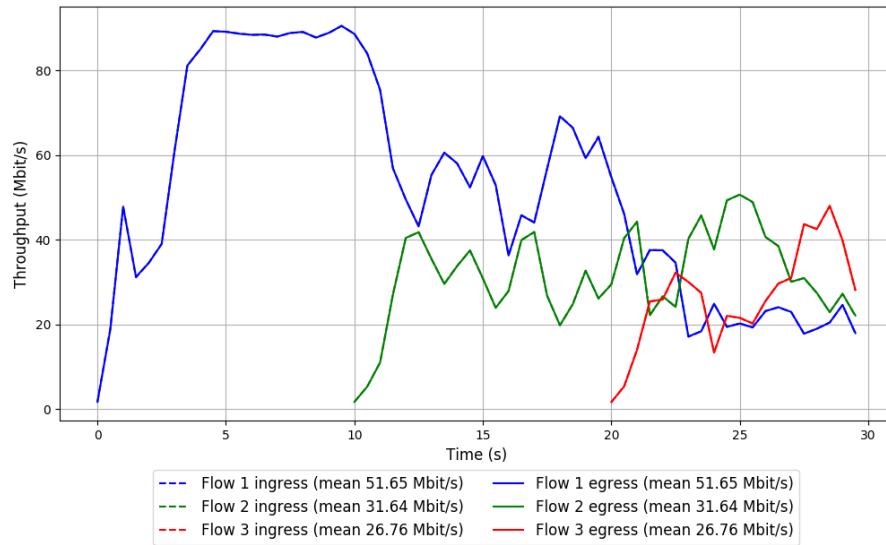


Run 6: Statistics of Vivace-latency

```
Start at: 2018-01-17 04:04:04
End at: 2018-01-17 04:04:34
Local clock offset: 0.347 ms
Remote clock offset: 1.697 ms

# Below is generated by plot.py at 2018-01-17 06:41:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 3.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 2.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 3.407 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 3.565 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-latency — Data Link

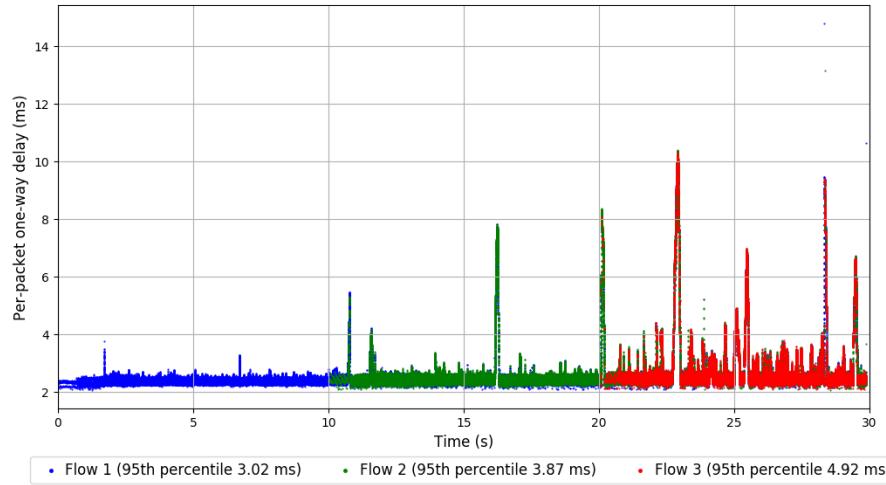
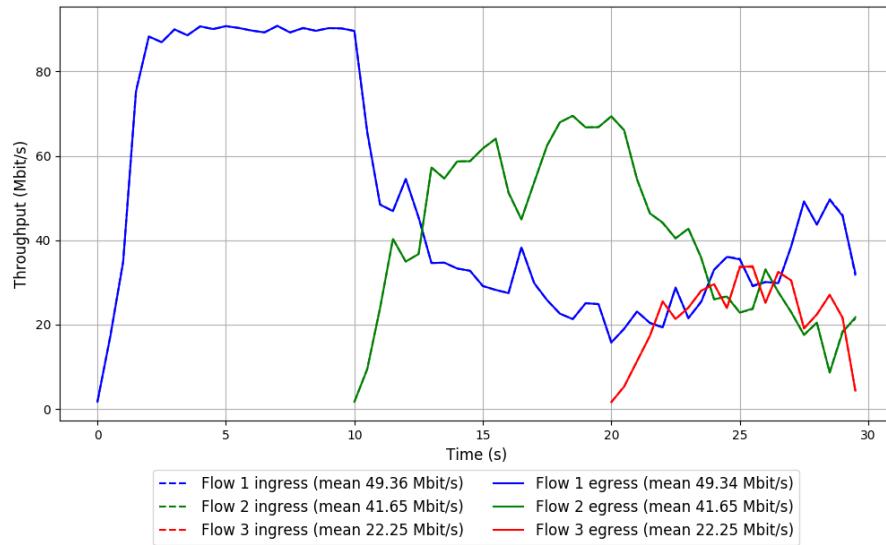


Run 7: Statistics of Vivace-latency

```
Start at: 2018-01-17 04:24:48
End at: 2018-01-17 04:25:18
Local clock offset: 0.336 ms
Remote clock offset: 1.691 ms

# Below is generated by plot.py at 2018-01-17 06:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.35 Mbit/s
95th percentile per-packet one-way delay: 3.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 3.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.65 Mbit/s
95th percentile per-packet one-way delay: 3.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 4.917 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-latency — Data Link

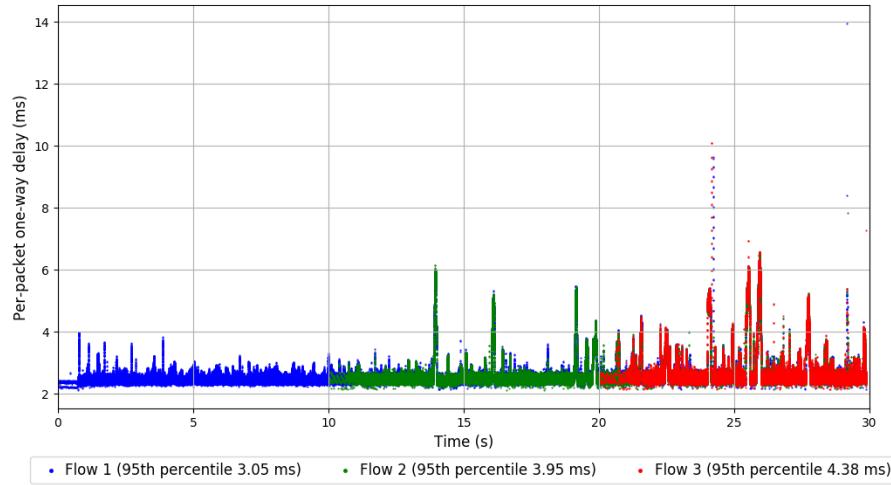
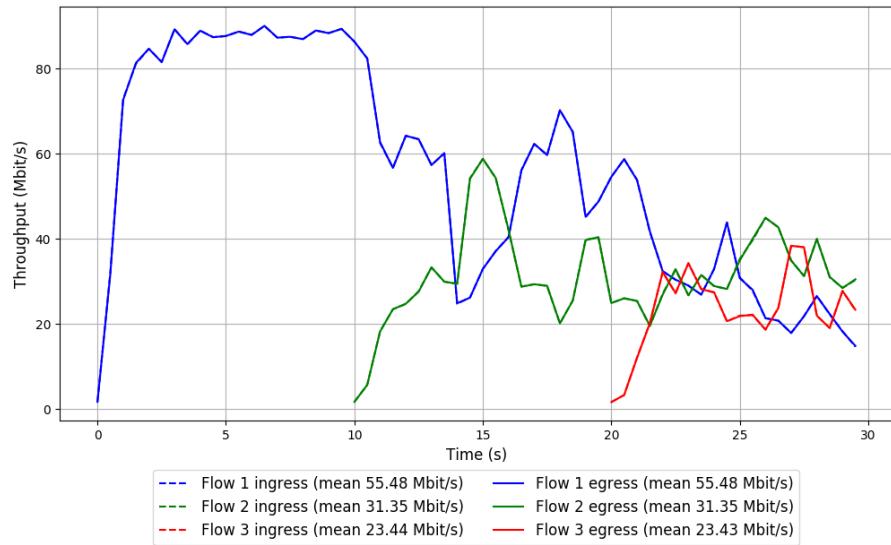


Run 8: Statistics of Vivace-latency

```
Start at: 2018-01-17 04:45:32
End at: 2018-01-17 04:46:02
Local clock offset: 0.362 ms
Remote clock offset: 1.715 ms

# Below is generated by plot.py at 2018-01-17 06:41:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 3.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 3.048 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 3.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 4.384 ms
Loss rate: 0.00%
```

Run 8: Report of Vivace-latency — Data Link

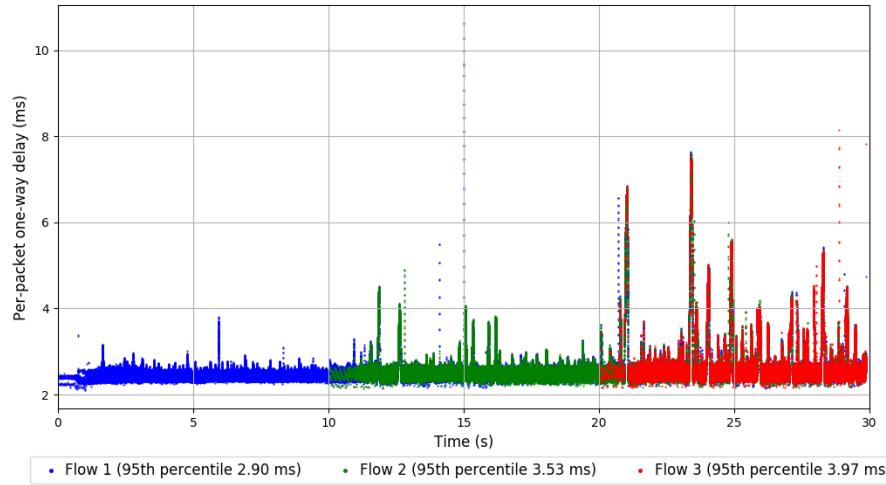
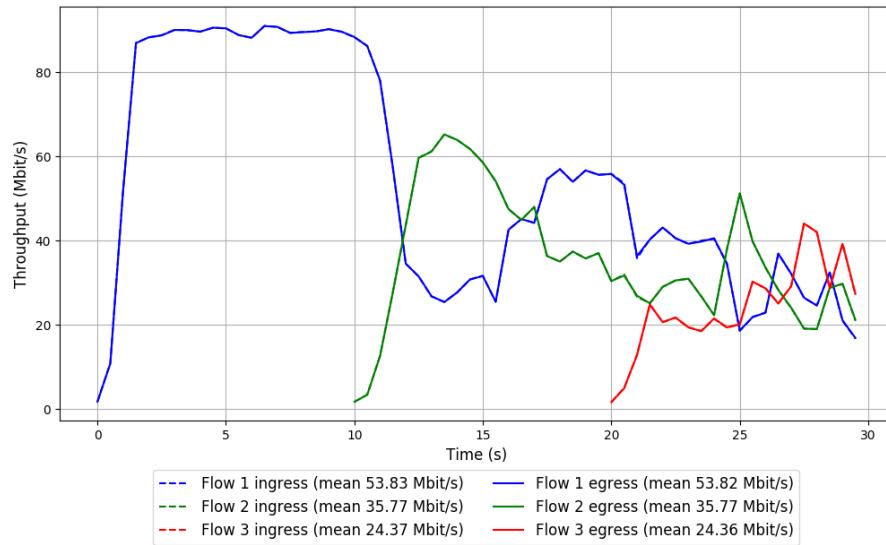


Run 9: Statistics of Vivace-latency

```
Start at: 2018-01-17 05:06:16
End at: 2018-01-17 05:06:46
Local clock offset: 0.343 ms
Remote clock offset: 1.337 ms

# Below is generated by plot.py at 2018-01-17 06:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 3.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 2.898 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 3.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 3.969 ms
Loss rate: 0.00%
```

Run 9: Report of Vivace-latency — Data Link

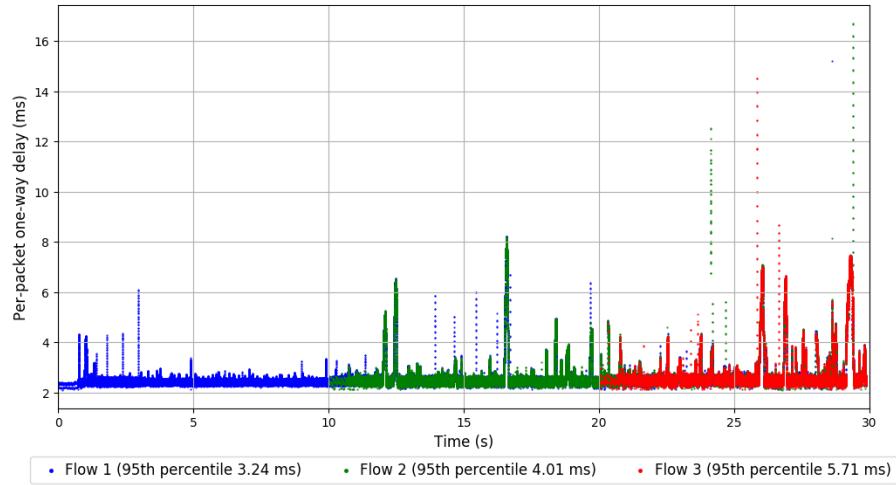
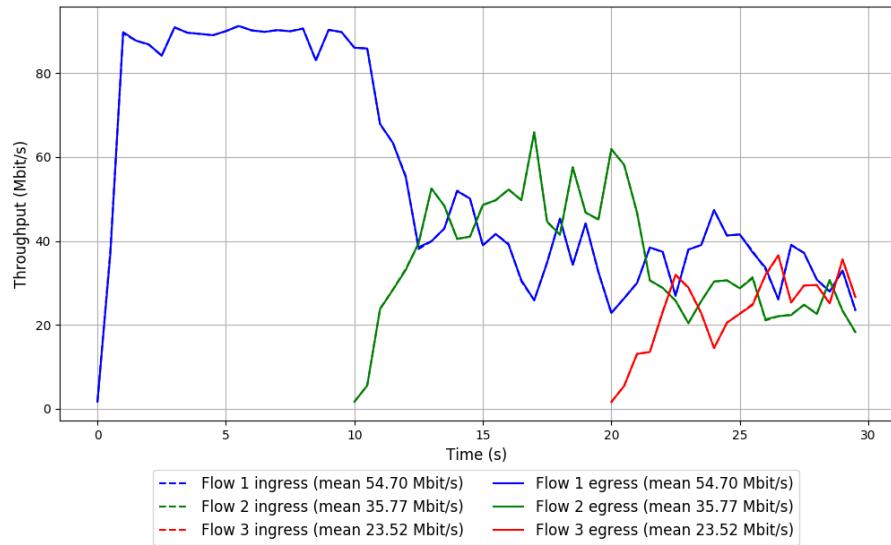


Run 10: Statistics of Vivace-latency

```
Start at: 2018-01-17 05:26:59
End at: 2018-01-17 05:27:29
Local clock offset: 0.271 ms
Remote clock offset: 0.955 ms

# Below is generated by plot.py at 2018-01-17 06:42:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 3.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 3.240 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 4.012 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 5.711 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-latency — Data Link

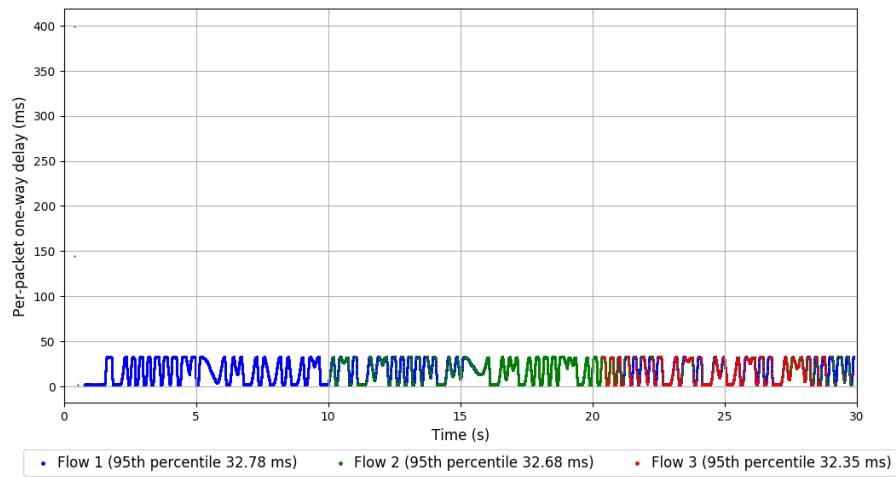
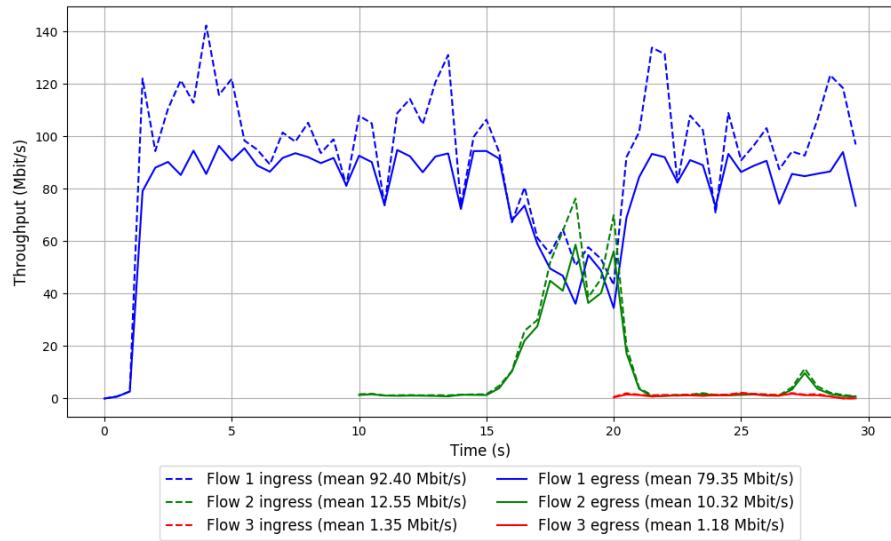


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-17 02:30:55
End at: 2018-01-17 02:31:25
Local clock offset: 0.437 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-01-17 06:42:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 32.772 ms
Loss rate: 15.37%
-- Flow 1:
Average throughput: 79.35 Mbit/s
95th percentile per-packet one-way delay: 32.781 ms
Loss rate: 15.17%
-- Flow 2:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 32.682 ms
Loss rate: 17.68%
-- Flow 3:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 32.352 ms
Loss rate: 14.53%
```

Run 1: Report of Vivace-loss — Data Link

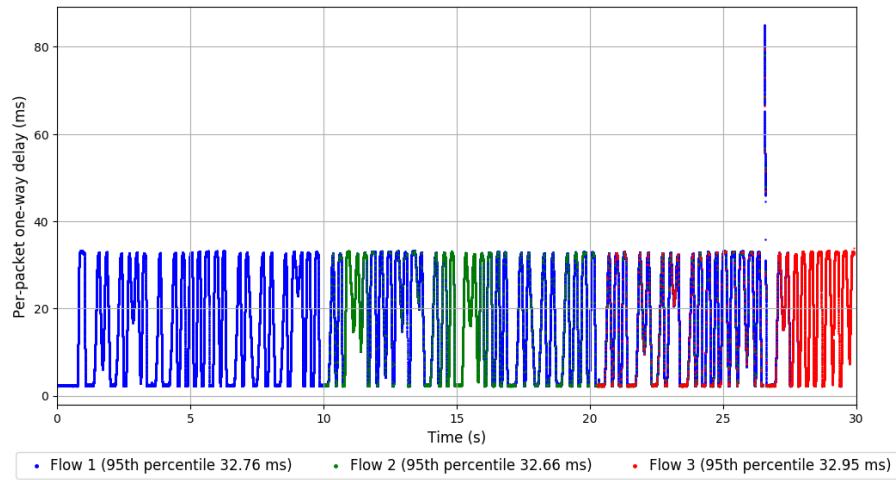
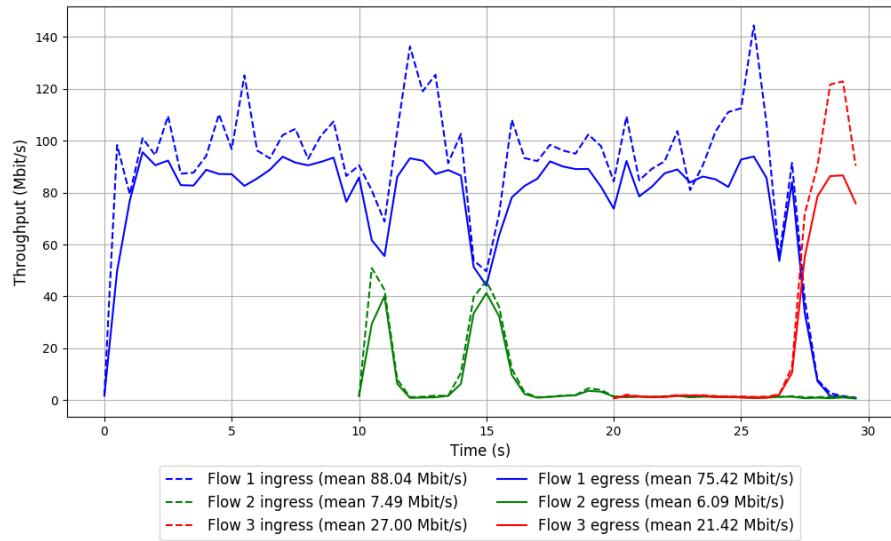


Run 2: Statistics of Vivace-loss

```
Start at: 2018-01-17 02:51:38
End at: 2018-01-17 02:52:08
Local clock offset: 0.438 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-01-17 06:43:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 32.789 ms
Loss rate: 15.18%
-- Flow 1:
Average throughput: 75.42 Mbit/s
95th percentile per-packet one-way delay: 32.755 ms
Loss rate: 14.25%
-- Flow 2:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 32.664 ms
Loss rate: 18.60%
-- Flow 3:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 32.952 ms
Loss rate: 22.48%
```

Run 2: Report of Vivace-loss — Data Link

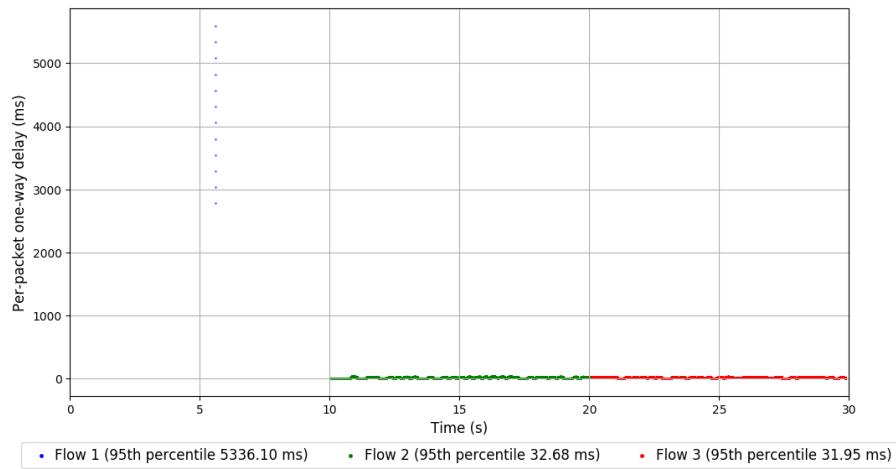
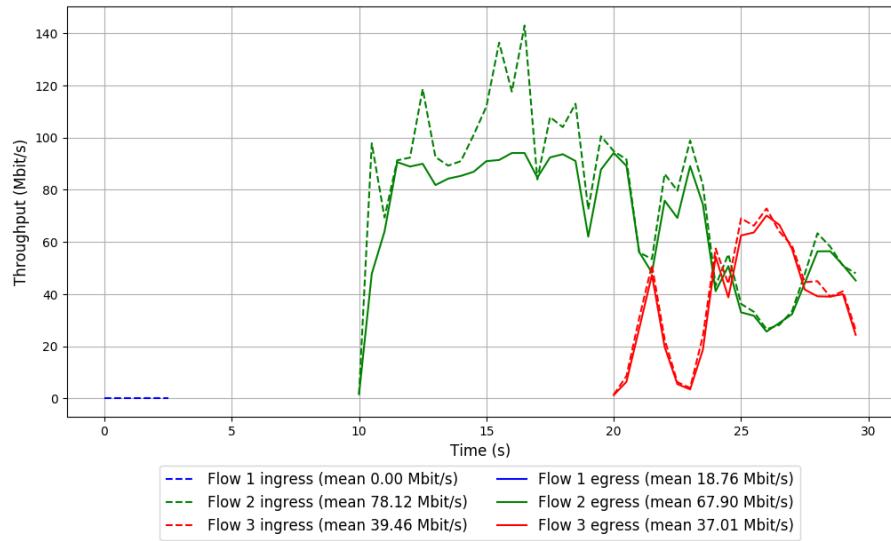


Run 3: Statistics of Vivace-loss

```
Start at: 2018-01-17 03:12:22
End at: 2018-01-17 03:12:52
Local clock offset: 0.421 ms
Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2018-01-17 06:43:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 32.596 ms
Loss rate: 11.74%
-- Flow 1:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 5336.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.90 Mbit/s
95th percentile per-packet one-way delay: 32.680 ms
Loss rate: 13.07%
-- Flow 3:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 31.946 ms
Loss rate: 6.43%
```

Run 3: Report of Vivace-loss — Data Link

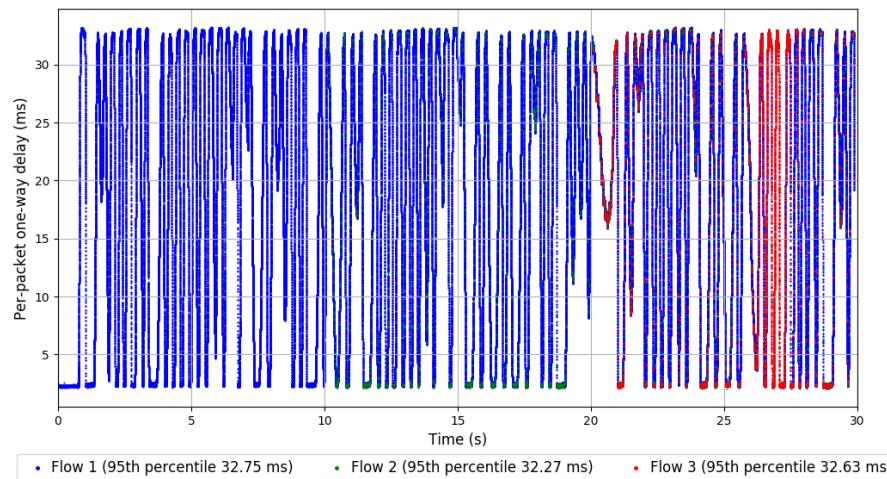
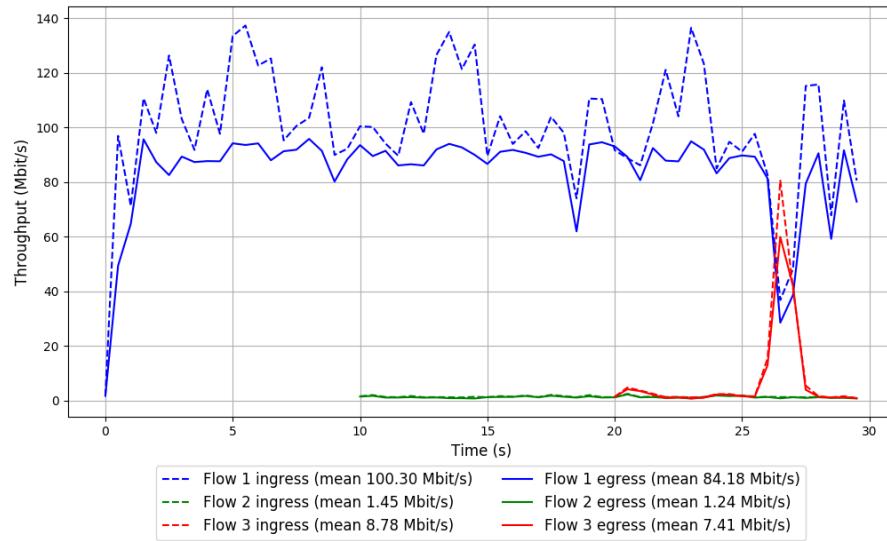


Run 4: Statistics of Vivace-loss

```
Start at: 2018-01-17 03:33:02
End at: 2018-01-17 03:33:32
Local clock offset: 0.398 ms
Remote clock offset: 0.682 ms

# Below is generated by plot.py at 2018-01-17 06:43:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 32.743 ms
Loss rate: 16.00%
-- Flow 1:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 32.748 ms
Loss rate: 16.02%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 32.269 ms
Loss rate: 14.27%
-- Flow 3:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 32.630 ms
Loss rate: 15.79%
```

Run 4: Report of Vivace-loss — Data Link

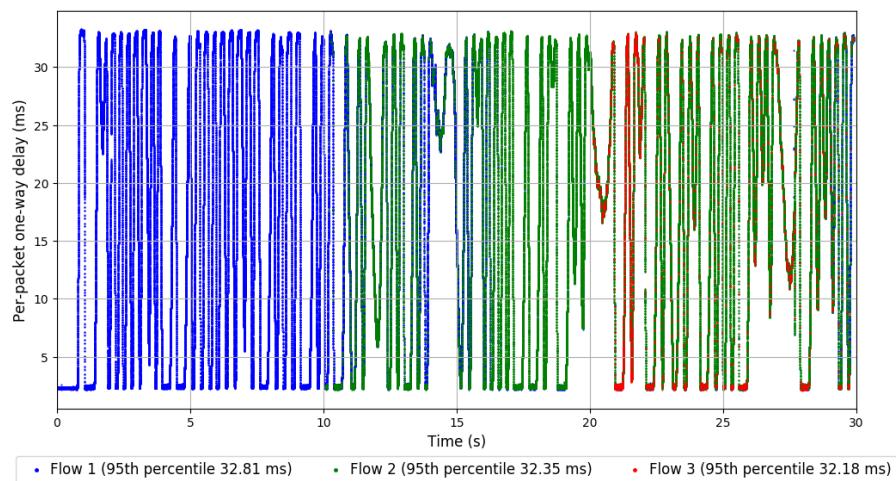
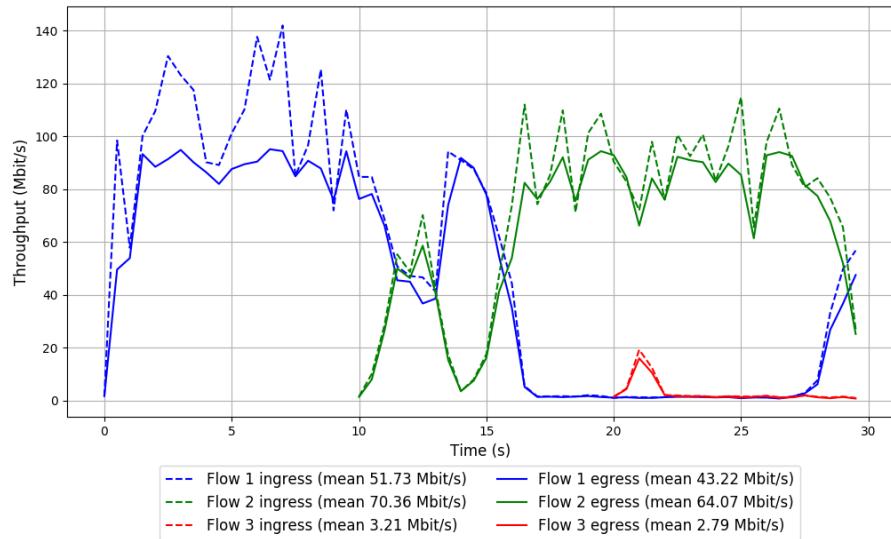


Run 5: Statistics of Vivace-loss

```
Start at: 2018-01-17 03:53:46
End at: 2018-01-17 03:54:16
Local clock offset: 0.332 ms
Remote clock offset: 1.425 ms

# Below is generated by plot.py at 2018-01-17 06:43:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 32.612 ms
Loss rate: 12.80%
-- Flow 1:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 32.814 ms
Loss rate: 16.36%
-- Flow 2:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 32.355 ms
Loss rate: 8.86%
-- Flow 3:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 32.181 ms
Loss rate: 12.98%
```

Run 5: Report of Vivace-loss — Data Link

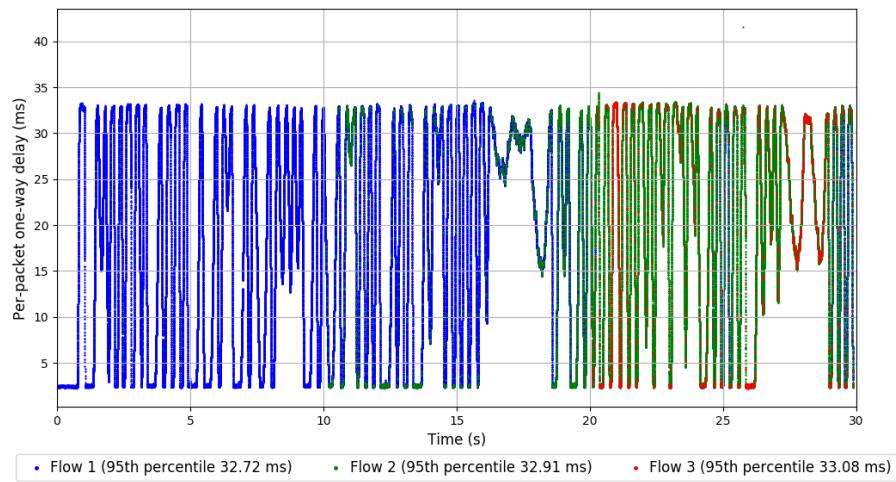
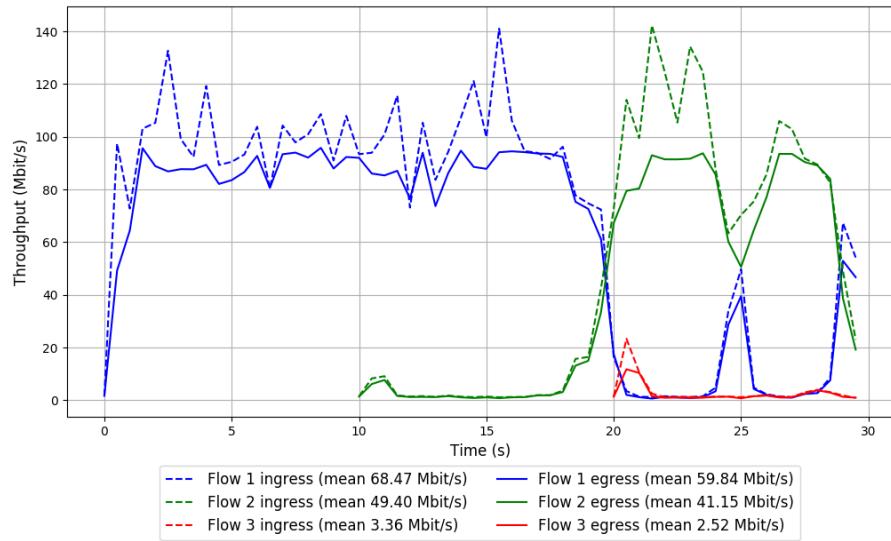


Run 6: Statistics of Vivace-loss

```
Start at: 2018-01-17 04:14:31
End at: 2018-01-17 04:15:01
Local clock offset: 0.283 ms
Remote clock offset: 1.811 ms

# Below is generated by plot.py at 2018-01-17 06:43:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 32.773 ms
Loss rate: 14.09%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 32.720 ms
Loss rate: 12.61%
-- Flow 2:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 32.907 ms
Loss rate: 16.80%
-- Flow 3:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 33.083 ms
Loss rate: 25.03%
```

Run 6: Report of Vivace-loss — Data Link

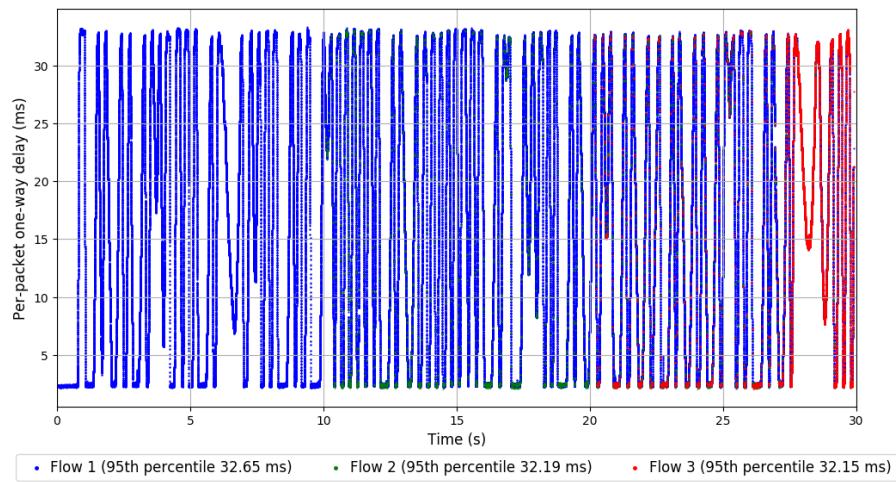
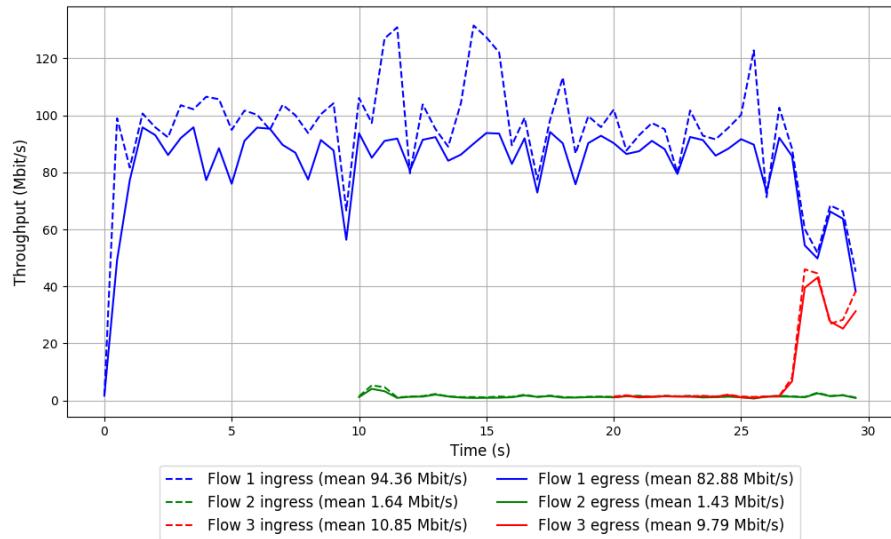


Run 7: Statistics of Vivace-loss

```
Start at: 2018-01-17 04:35:14
End at: 2018-01-17 04:35:44
Local clock offset: 0.374 ms
Remote clock offset: 1.753 ms

# Below is generated by plot.py at 2018-01-17 06:44:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 32.639 ms
Loss rate: 12.03%
-- Flow 1:
Average throughput: 82.88 Mbit/s
95th percentile per-packet one-way delay: 32.654 ms
Loss rate: 12.11%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 32.187 ms
Loss rate: 12.89%
-- Flow 3:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 32.149 ms
Loss rate: 9.73%
```

Run 7: Report of Vivace-loss — Data Link

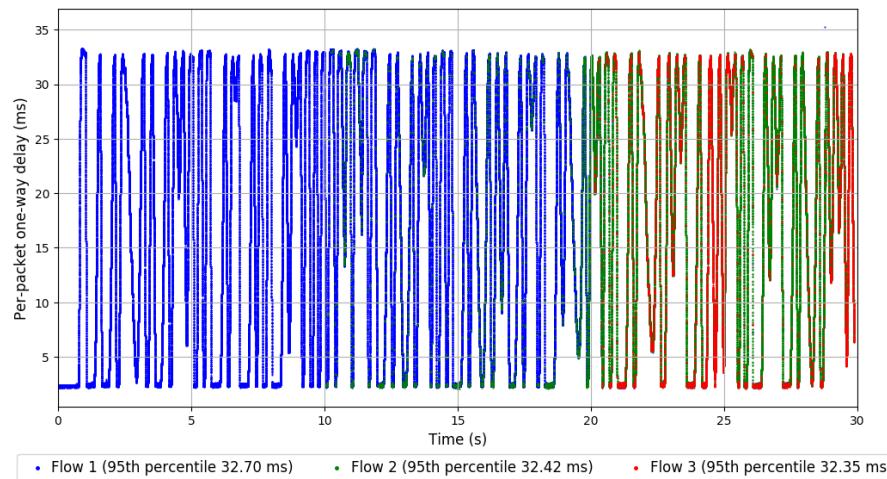
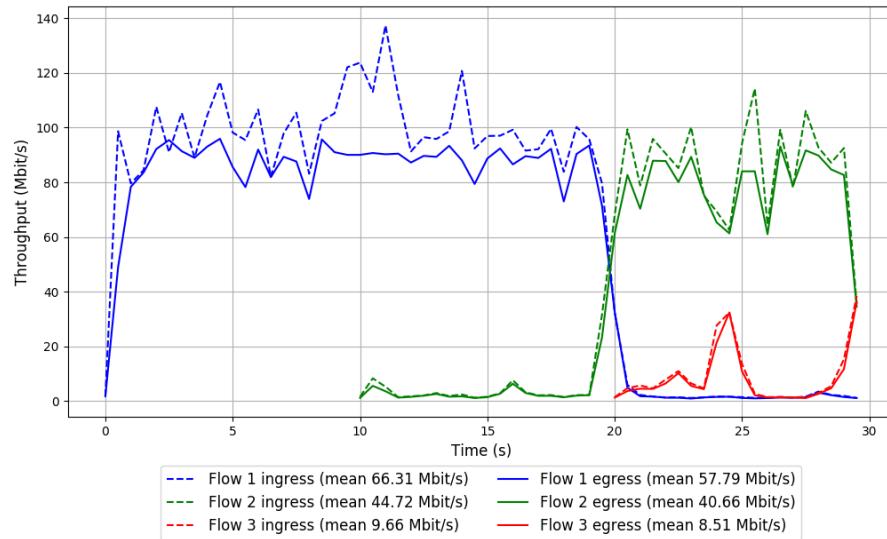


Run 8: Statistics of Vivace-loss

```
Start at: 2018-01-17 04:55:59
End at: 2018-01-17 04:56:29
Local clock offset: 0.362 ms
Remote clock offset: 1.529 ms

# Below is generated by plot.py at 2018-01-17 06:44:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 32.588 ms
Loss rate: 11.68%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 32.695 ms
Loss rate: 12.83%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 32.422 ms
Loss rate: 9.07%
-- Flow 3:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 32.351 ms
Loss rate: 12.07%
```

Run 8: Report of Vivace-loss — Data Link

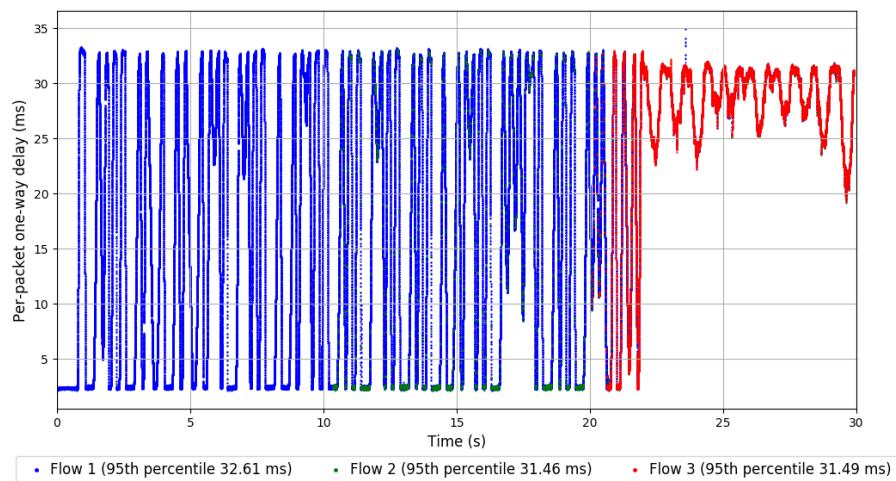
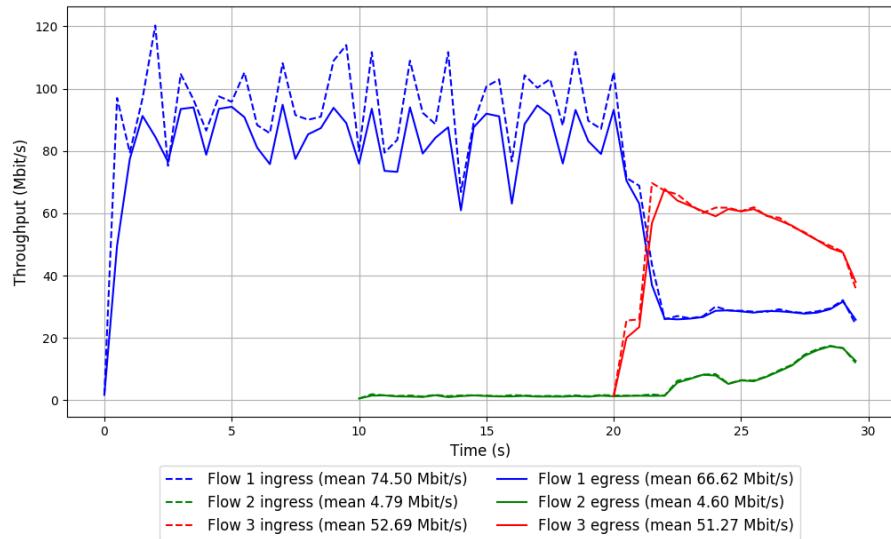


Run 9: Statistics of Vivace-loss

```
Start at: 2018-01-17 05:16:42
End at: 2018-01-17 05:17:12
Local clock offset: 0.287 ms
Remote clock offset: 1.179 ms

# Below is generated by plot.py at 2018-01-17 06:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 32.511 ms
Loss rate: 8.82%
-- Flow 1:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 32.607 ms
Loss rate: 10.50%
-- Flow 2:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 31.456 ms
Loss rate: 3.89%
-- Flow 3:
Average throughput: 51.27 Mbit/s
95th percentile per-packet one-way delay: 31.489 ms
Loss rate: 2.50%
```

Run 9: Report of Vivace-loss — Data Link

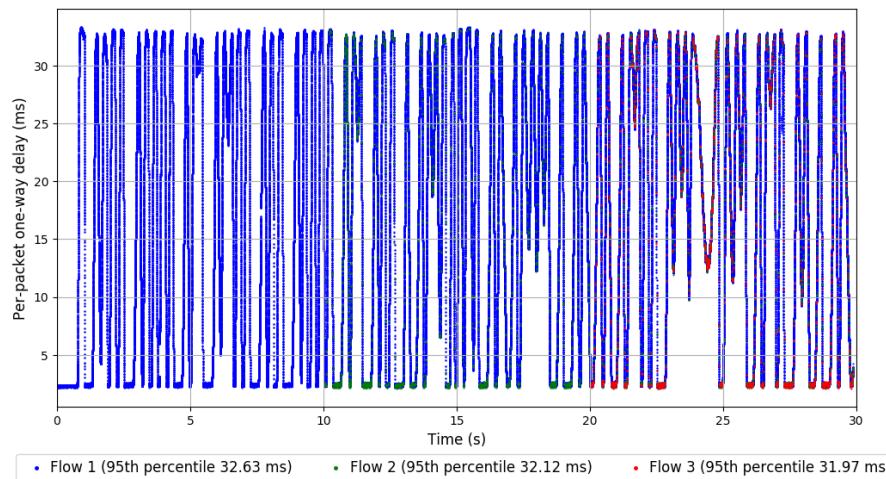
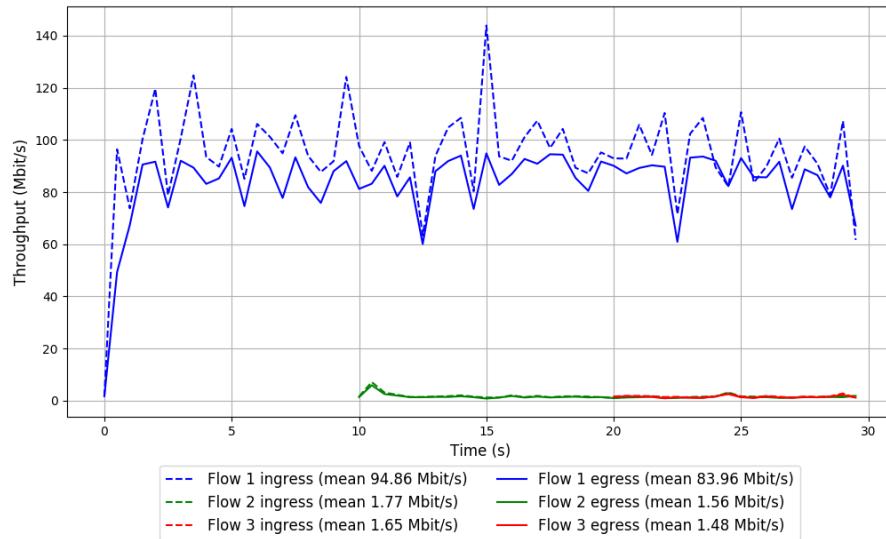


Run 10: Statistics of Vivace-loss

```
Start at: 2018-01-17 05:37:26
End at: 2018-01-17 05:37:56
Local clock offset: 0.289 ms
Remote clock offset: 0.77 ms

# Below is generated by plot.py at 2018-01-17 06:44:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 32.630 ms
Loss rate: 11.49%
-- Flow 1:
Average throughput: 83.96 Mbit/s
95th percentile per-packet one-way delay: 32.635 ms
Loss rate: 11.48%
-- Flow 2:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 32.125 ms
Loss rate: 12.01%
-- Flow 3:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 31.971 ms
Loss rate: 10.43%
```

Run 10: Report of Vivace-loss — Data Link

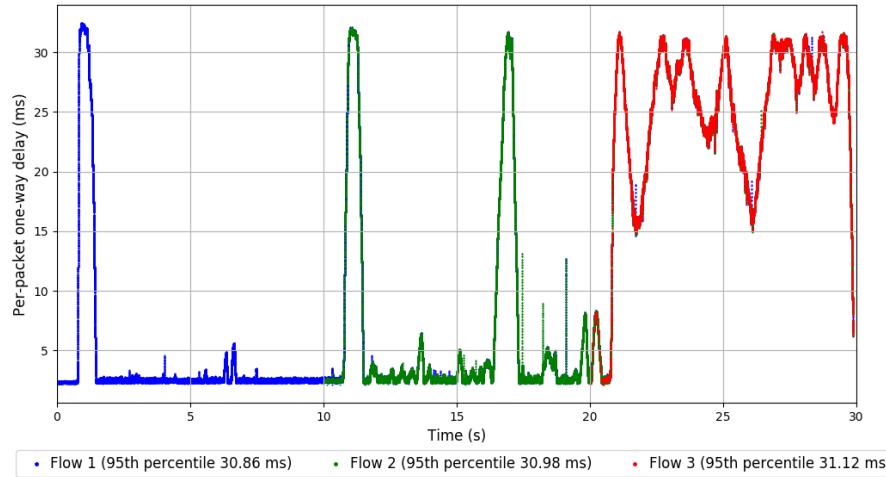
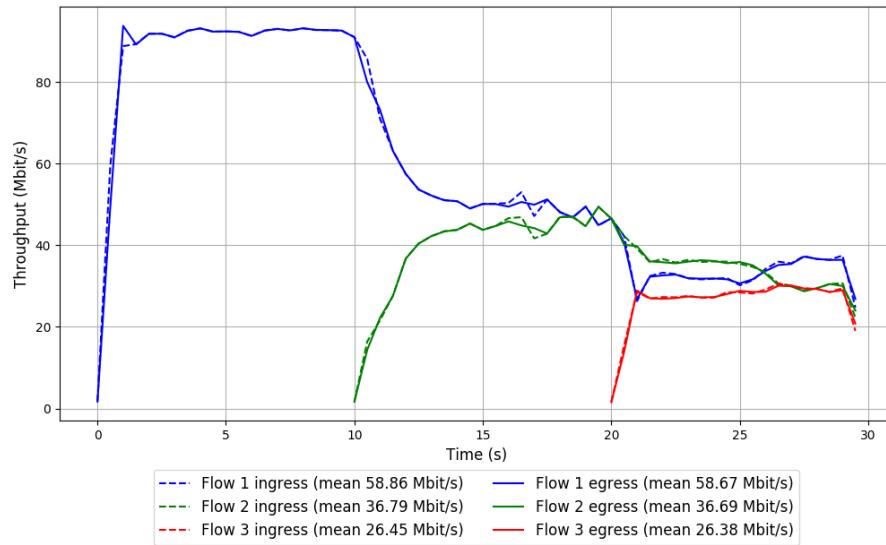


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-01-17 02:27:24
End at: 2018-01-17 02:27:54
Local clock offset: 0.438 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-01-17 06:45:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 30.975 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 30.856 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 30.981 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.23%
```

Run 1: Report of Vivace-LTE — Data Link

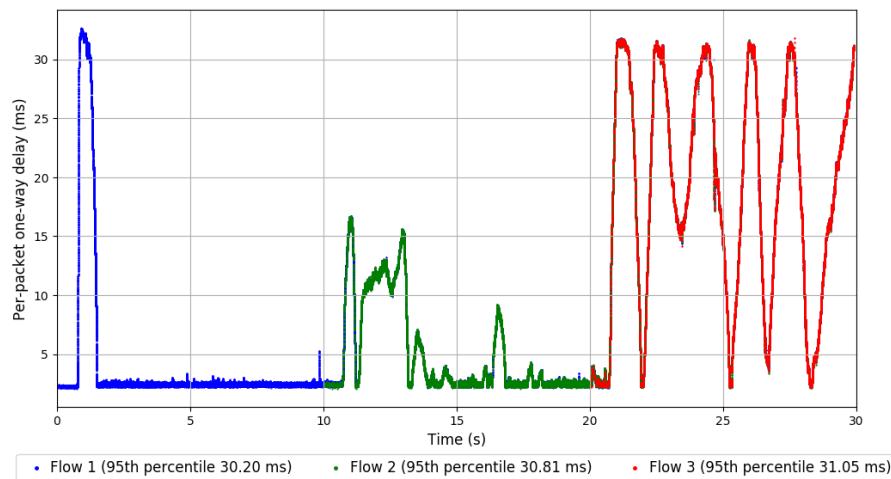
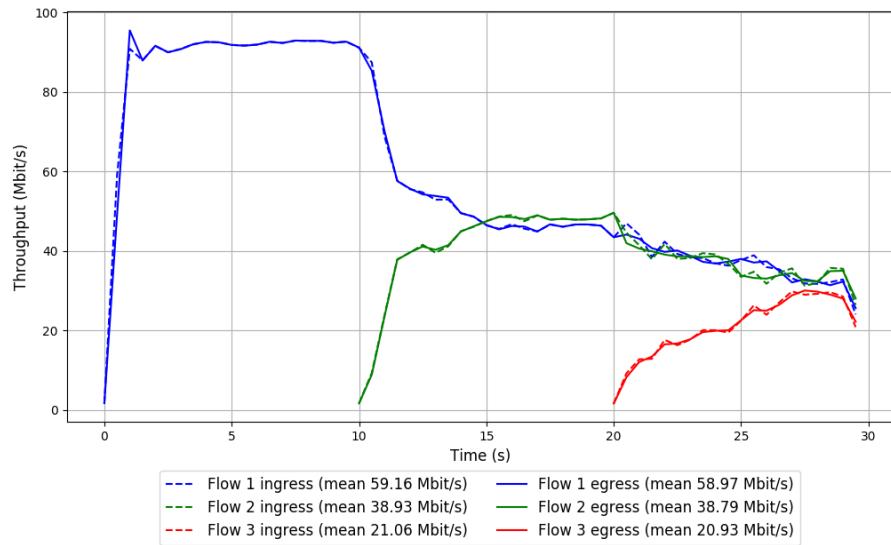


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-01-17 02:48:06
End at: 2018-01-17 02:48:36
Local clock offset: 0.45 ms
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2018-01-17 06:46:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 30.734 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 30.200 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 30.807 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 31.049 ms
Loss rate: 0.37%
```

Run 2: Report of Vivace-LTE — Data Link

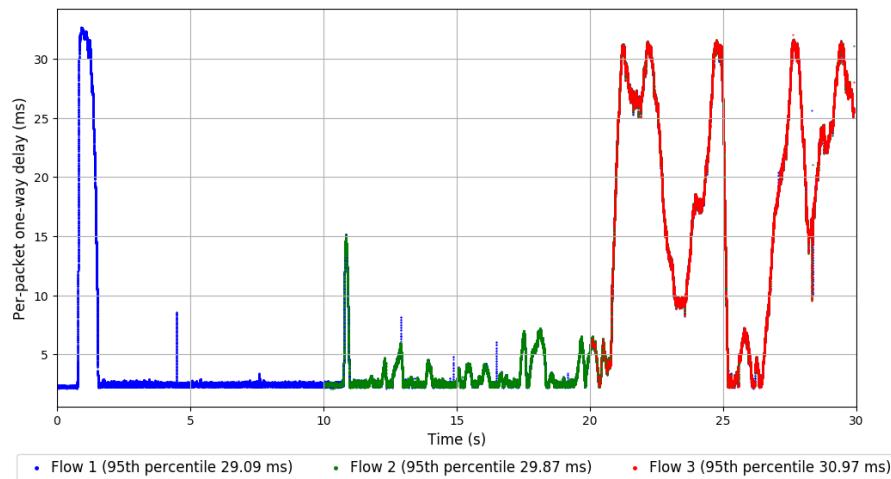
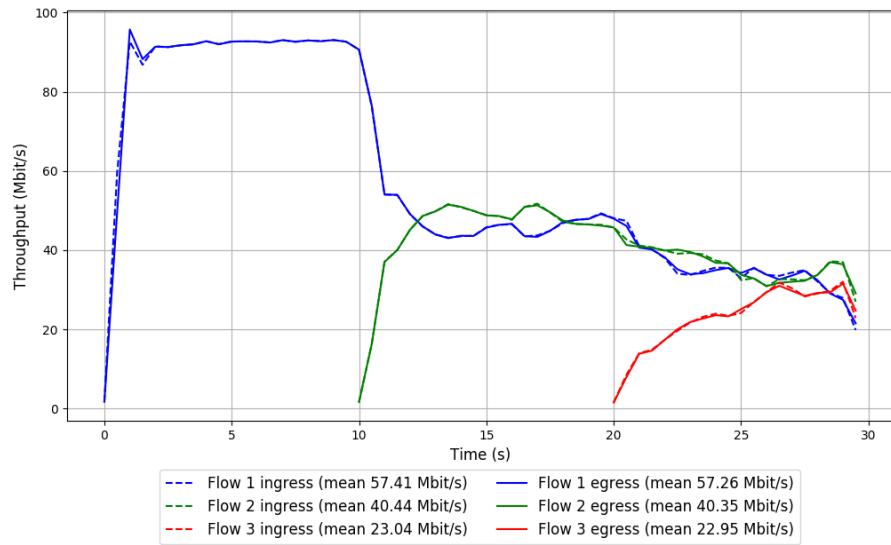


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-01-17 03:08:50
End at: 2018-01-17 03:09:20
Local clock offset: 0.426 ms
Remote clock offset: 0.093 ms

# Below is generated by plot.py at 2018-01-17 06:46:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 29.983 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 29.088 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 29.873 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 30.974 ms
Loss rate: 0.15%
```

Run 3: Report of Vivace-LTE — Data Link

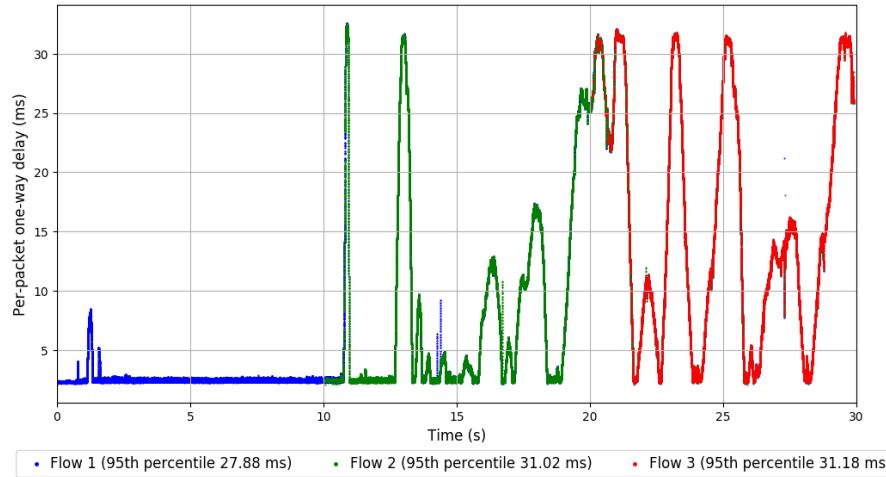
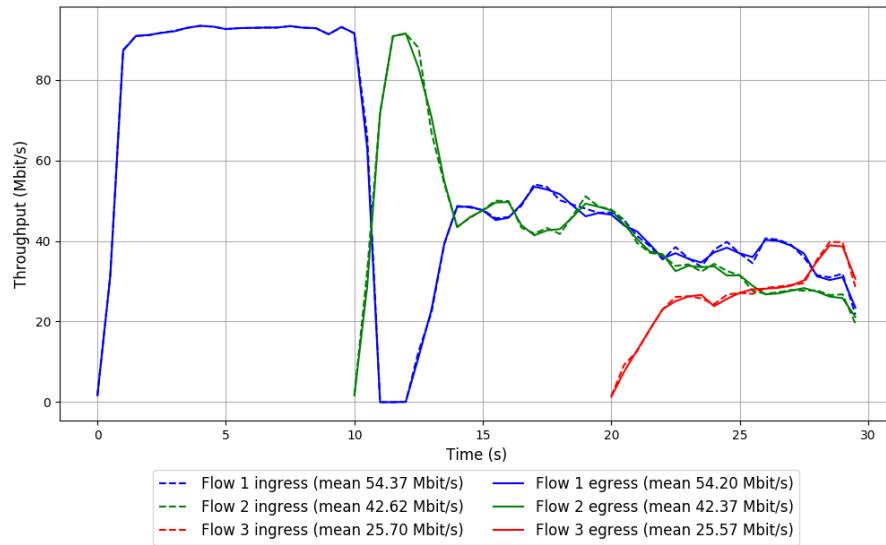


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-01-17 03:29:31
End at: 2018-01-17 03:30:01
Local clock offset: 0.376 ms
Remote clock offset: 0.524 ms

# Below is generated by plot.py at 2018-01-17 06:46:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 30.708 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 27.877 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 42.37 Mbit/s
95th percentile per-packet one-way delay: 31.017 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 31.180 ms
Loss rate: 0.49%
```

Run 4: Report of Vivace-LTE — Data Link

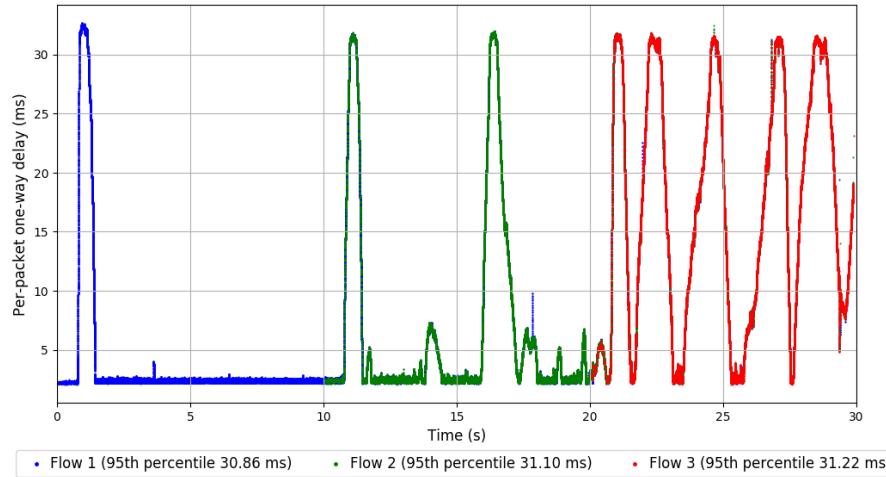
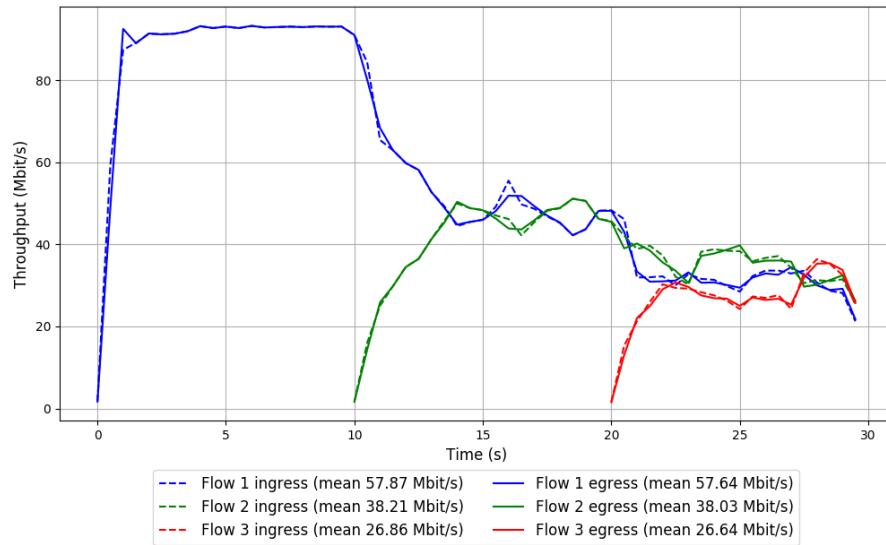


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-01-17 03:50:14
End at: 2018-01-17 03:50:44
Local clock offset: 0.346 ms
Remote clock offset: 1.258 ms

# Below is generated by plot.py at 2018-01-17 06:46:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 31.048 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 30.859 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 31.096 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 31.220 ms
Loss rate: 0.60%
```

Run 5: Report of Vivace-LTE — Data Link

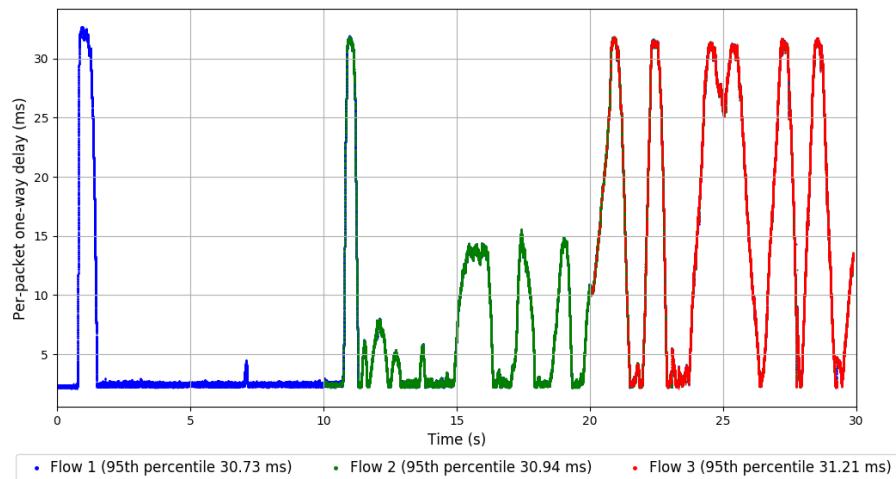
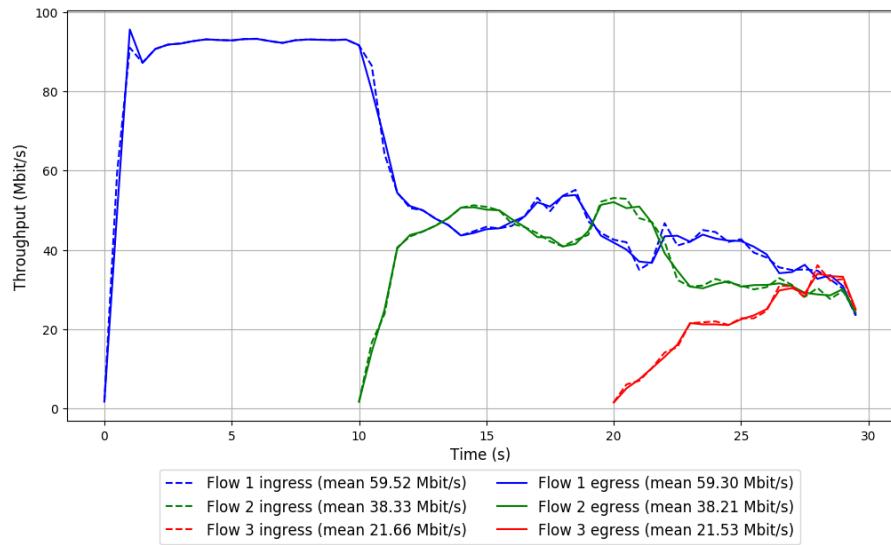


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-01-17 04:10:59
End at: 2018-01-17 04:11:29
Local clock offset: 0.362 ms
Remote clock offset: 1.747 ms

# Below is generated by plot.py at 2018-01-17 06:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 30.913 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 30.727 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 30.936 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 31.207 ms
Loss rate: 0.57%
```

Run 6: Report of Vivace-LTE — Data Link

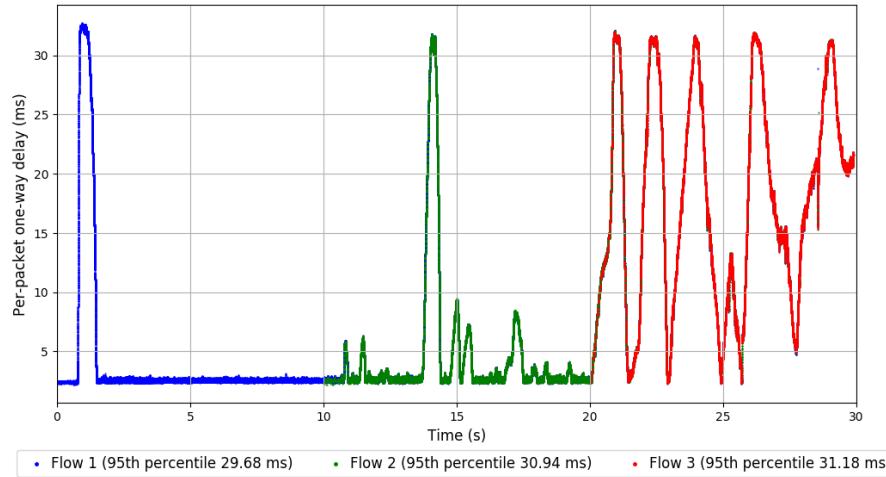
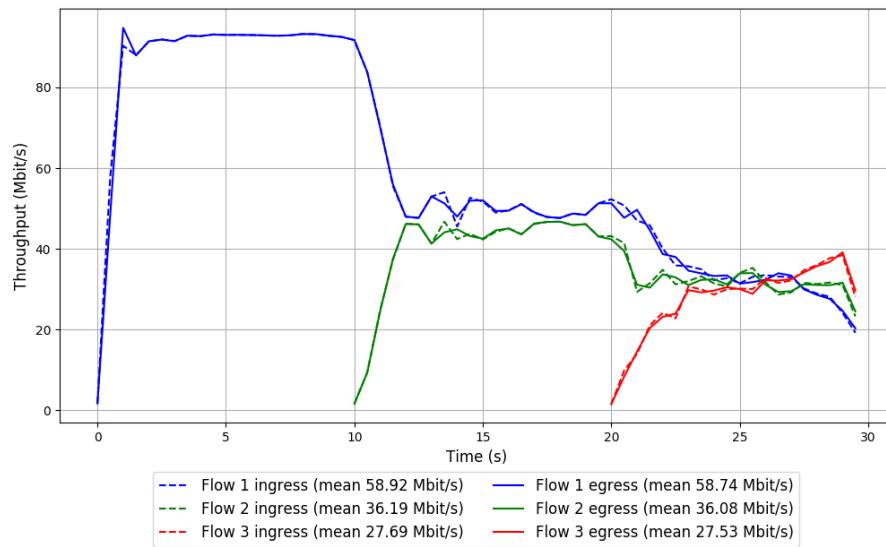


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-01-17 04:31:43
End at: 2018-01-17 04:32:13
Local clock offset: 0.289 ms
Remote clock offset: 1.742 ms

# Below is generated by plot.py at 2018-01-17 06:47:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 30.778 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 29.682 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 30.940 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 31.182 ms
Loss rate: 0.37%
```

Run 7: Report of Vivace-LTE — Data Link

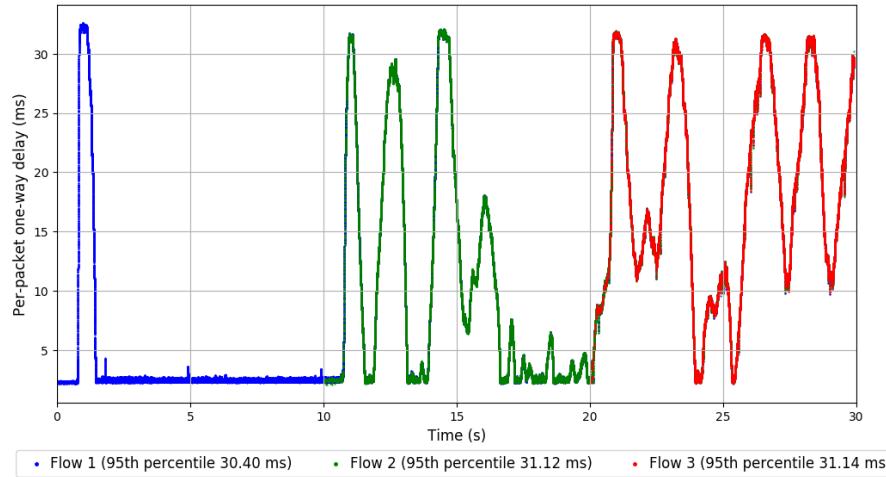
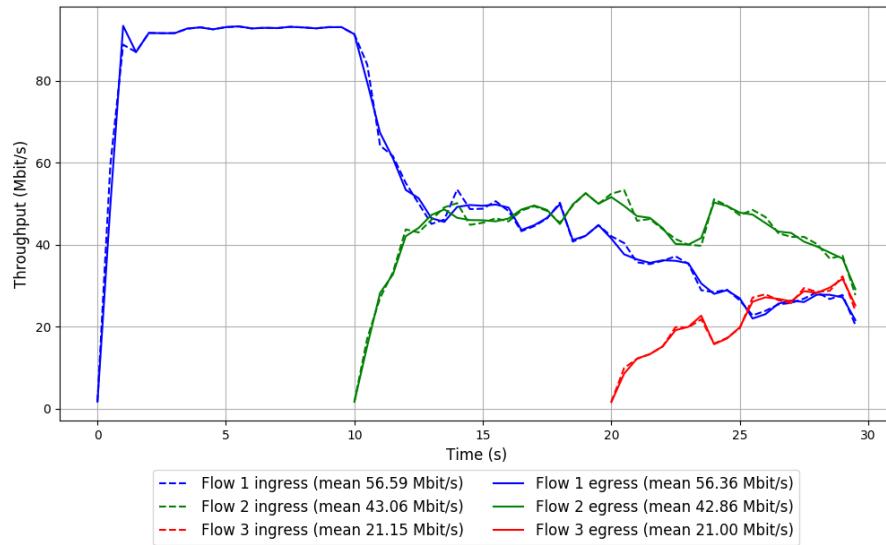


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-01-17 04:52:27
End at: 2018-01-17 04:52:57
Local clock offset: 0.292 ms
Remote clock offset: 1.511 ms

# Below is generated by plot.py at 2018-01-17 06:47:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 30.970 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 30.398 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 42.86 Mbit/s
95th percentile per-packet one-way delay: 31.117 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 31.143 ms
Loss rate: 0.40%
```

Run 8: Report of Vivace-LTE — Data Link

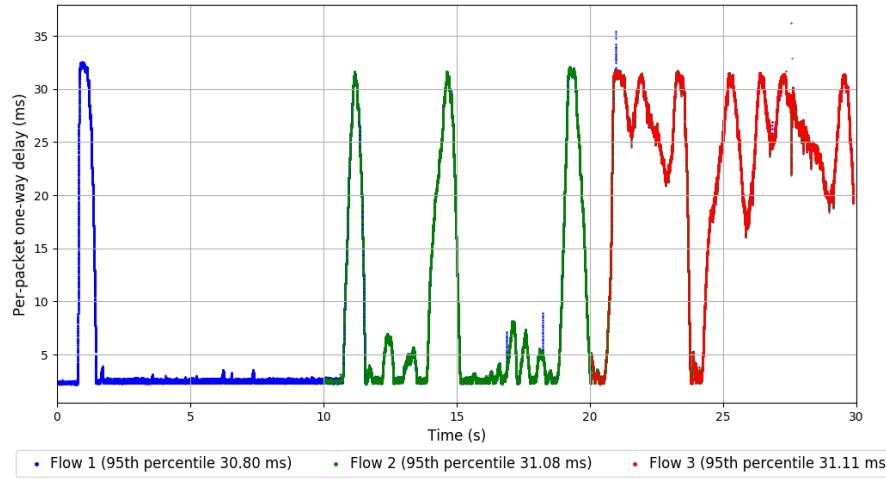
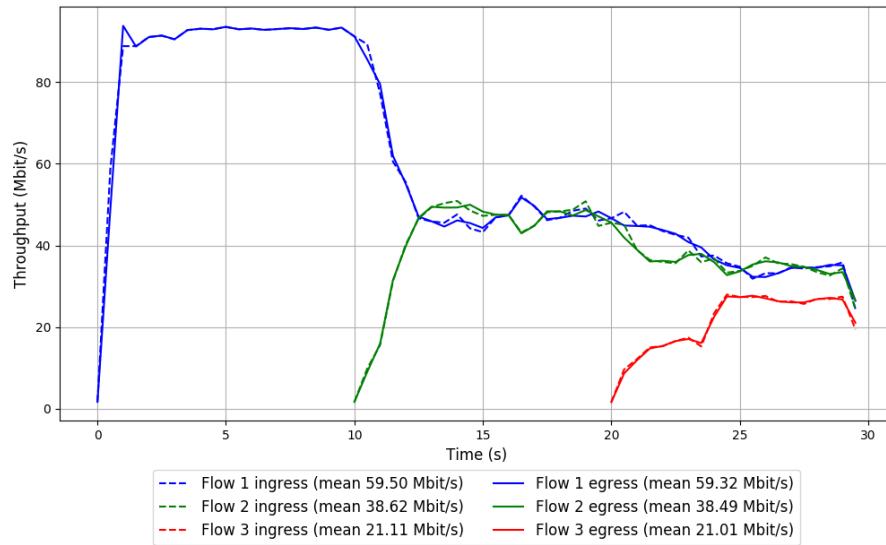


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-01-17 05:13:10
End at: 2018-01-17 05:13:40
Local clock offset: 0.311 ms
Remote clock offset: 1.238 ms

# Below is generated by plot.py at 2018-01-17 06:47:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 30.980 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 30.801 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 31.078 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.33%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-01-17 05:33:54
End at: 2018-01-17 05:34:24
Local clock offset: 0.223 ms
Remote clock offset: 0.782 ms

# Below is generated by plot.py at 2018-01-17 06:47:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 30.244 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 25.870 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.59 Mbit/s
95th percentile per-packet one-way delay: 30.989 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 31.356 ms
Loss rate: 0.67%
```

Run 10: Report of Vivace-LTE — Data Link

