

## Pantheon Report

Generated at 2018-05-24 20:43:42 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

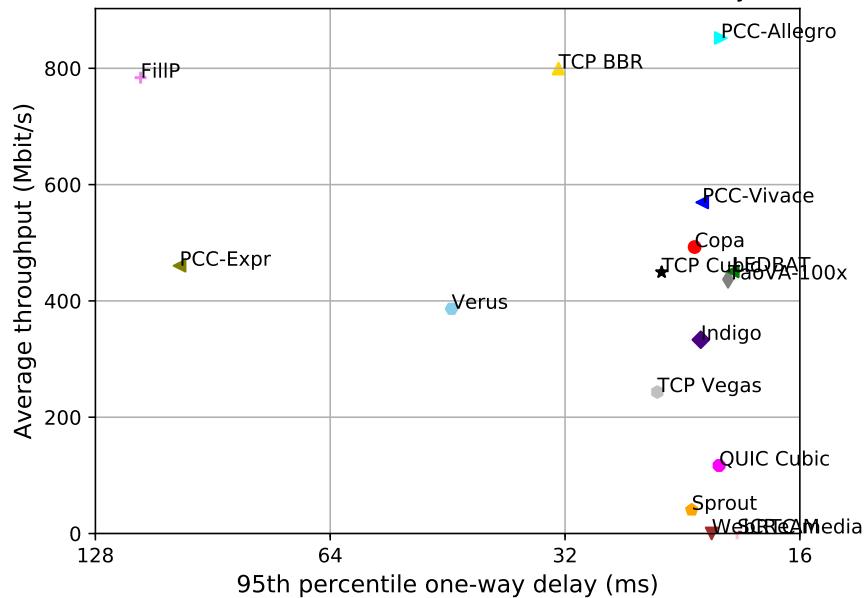
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

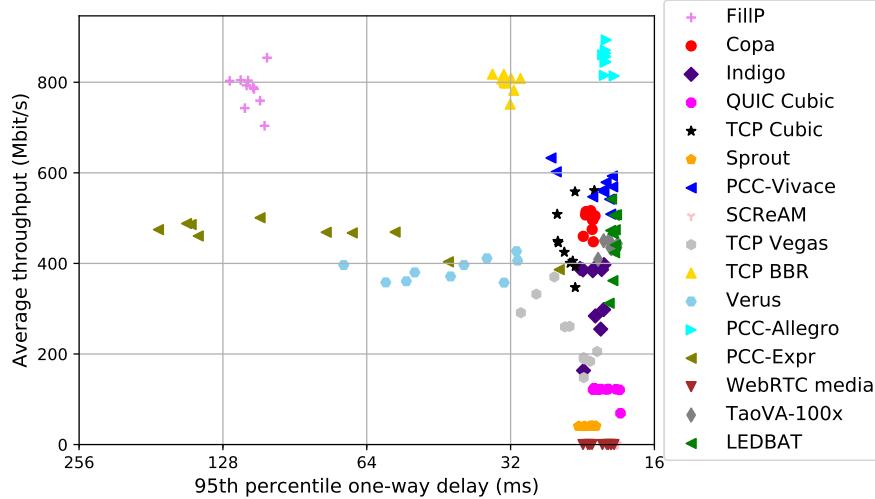
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS California 1 to Stanford, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)



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



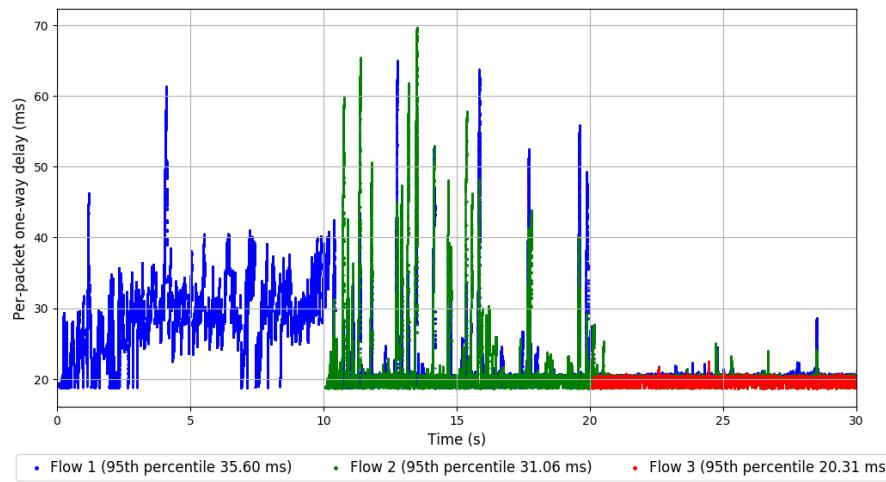
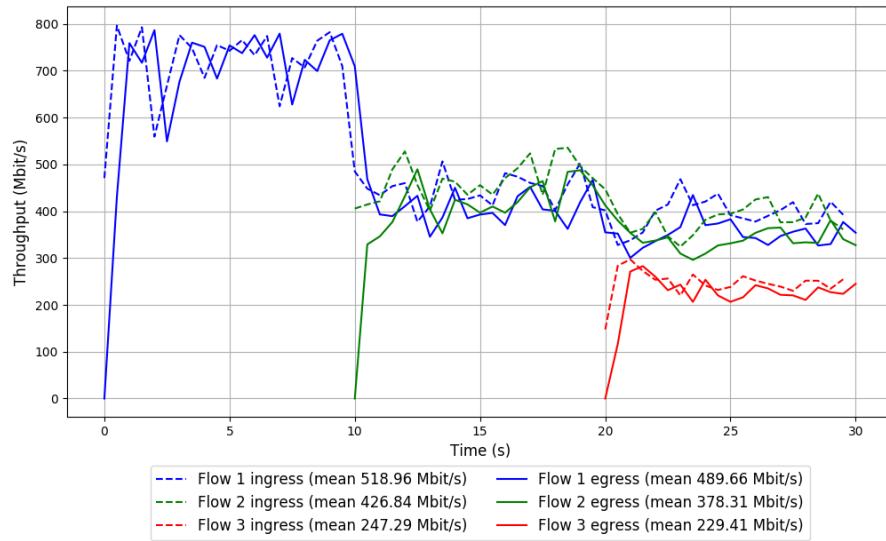
| scheme       | # runs | mean avg tput (Mbit/s) |        |        | mean 95th-%ile delay (ms) |        |        | mean loss rate (%) |        |        |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
|              |        | flow 1                 | flow 2 | flow 3 | flow 1                    | flow 2 | flow 3 | flow 1             | flow 2 | flow 3 |
| TCP BBR      | 10     | 467.72                 | 355.97 | 288.78 | 33.79                     | 25.19  | 20.51  | 5.93               | 9.71   | 11.44  |
| Copa         |        | 263.59                 | 238.71 | 210.77 | 21.13                     | 21.98  | 22.79  | 0.01               | 0.02   | 0.03   |
| TCP Cubic    |        | 254.74                 | 191.02 | 202.91 | 24.20                     | 23.59  | 24.66  | 0.06               | 0.08   | 0.08   |
| FillP        |        | 460.23                 | 365.18 | 243.27 | 109.55                    | 114.94 | 94.82  | 11.34              | 17.77  | 18.56  |
| Indigo       |        | 157.84                 | 181.69 | 169.33 | 21.63                     | 22.39  | 20.84  | 0.03               | 0.02   | 0.03   |
| LEDBAT       |        | 265.23                 | 199.86 | 157.48 | 19.48                     | 19.32  | 19.18  | 0.02               | 0.03   | 0.04   |
| PCC-Allegro  |        | 703.69                 | 174.26 | 98.86  | 20.17                     | 19.63  | 19.74  | 0.50               | 0.79   | 0.59   |
| PCC-Expr     |        | 263.55                 | 234.84 | 123.51 | 83.94                     | 94.55  | 30.39  | 0.52               | 1.01   | 0.05   |
| QUIC Cubic   |        | 59.17                  | 61.39  | 51.76  | 19.09                     | 20.18  | 22.54  | 0.00               | 0.00   | 0.00   |
| SCReAM       |        | 0.21                   | 0.22   | 0.22   | 19.02                     | 19.27  | 18.86  | 0.02               | 0.02   | 0.00   |
| Sprout       |        | 20.50                  | 20.32  | 20.46  | 21.77                     | 22.15  | 21.89  | 0.06               | 0.05   | 0.04   |
| TaoVA-100x   |        | 225.36                 | 221.71 | 192.29 | 19.26                     | 19.55  | 20.67  | 0.01               | 0.01   | 0.01   |
| TCP Vegas    |        | 128.26                 | 103.36 | 138.76 | 23.27                     | 23.36  | 25.15  | 0.07               | 0.06   | 0.13   |
| Verus        |        | 195.67                 | 201.62 | 176.18 | 49.97                     | 40.21  | 37.52  | 21.66              | 22.01  | 22.25  |
| PCC-Vivace   |        | 351.29                 | 273.44 | 109.84 | 20.53                     | 22.83  | 27.88  | 0.12               | 0.28   | 0.37   |
| WebRTC media |        | 0.05                   | 0.05   | 0.05   | 20.77                     | 19.45  | 20.76  | 0.00               | 0.00   | 0.00   |

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-24 14:07:01
End at: 2018-05-24 14:07:31
Local clock offset: 0.377 ms
Remote clock offset: 0.234 ms

# Below is generated by plot.py at 2018-05-24 18:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 817.92 Mbit/s
95th percentile per-packet one-way delay: 34.911 ms
Loss rate: 7.62%
-- Flow 1:
Average throughput: 489.66 Mbit/s
95th percentile per-packet one-way delay: 35.604 ms
Loss rate: 5.64%
-- Flow 2:
Average throughput: 378.31 Mbit/s
95th percentile per-packet one-way delay: 31.060 ms
Loss rate: 11.37%
-- Flow 3:
Average throughput: 229.41 Mbit/s
95th percentile per-packet one-way delay: 20.309 ms
Loss rate: 7.22%
```

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

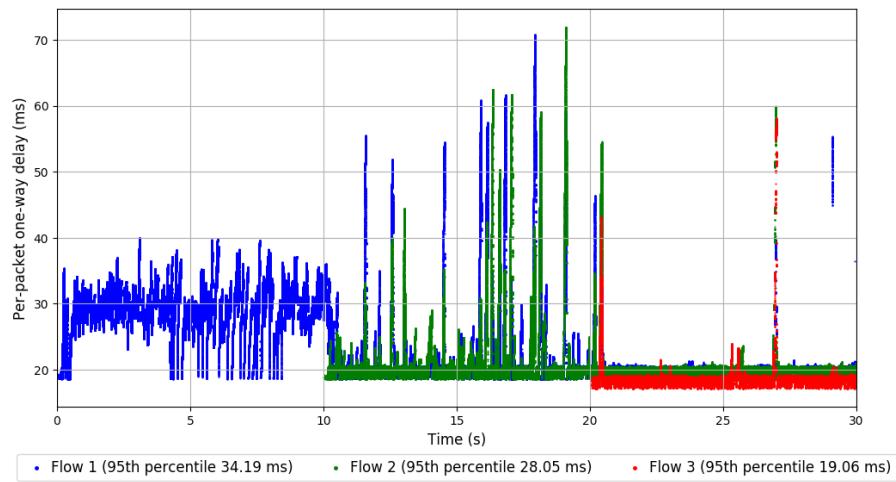
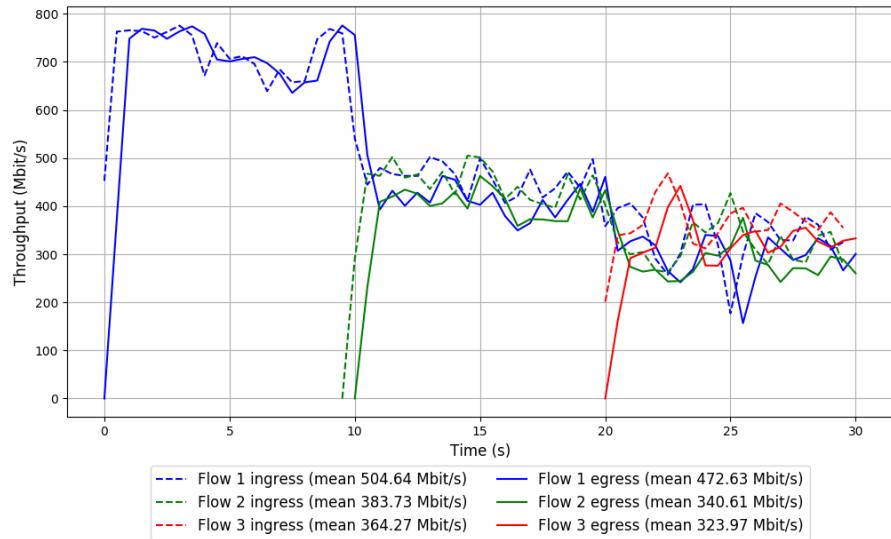


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-24 14:32:53
End at: 2018-05-24 14:33:23
Local clock offset: 0.42 ms
Remote clock offset: 0.668 ms

# Below is generated by plot.py at 2018-05-24 18:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 807.36 Mbit/s
95th percentile per-packet one-way delay: 33.379 ms
Loss rate: 8.43%
-- Flow 1:
Average throughput: 472.63 Mbit/s
95th percentile per-packet one-way delay: 34.187 ms
Loss rate: 6.34%
-- Flow 2:
Average throughput: 340.61 Mbit/s
95th percentile per-packet one-way delay: 28.047 ms
Loss rate: 11.31%
-- Flow 3:
Average throughput: 323.97 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 11.06%
```

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

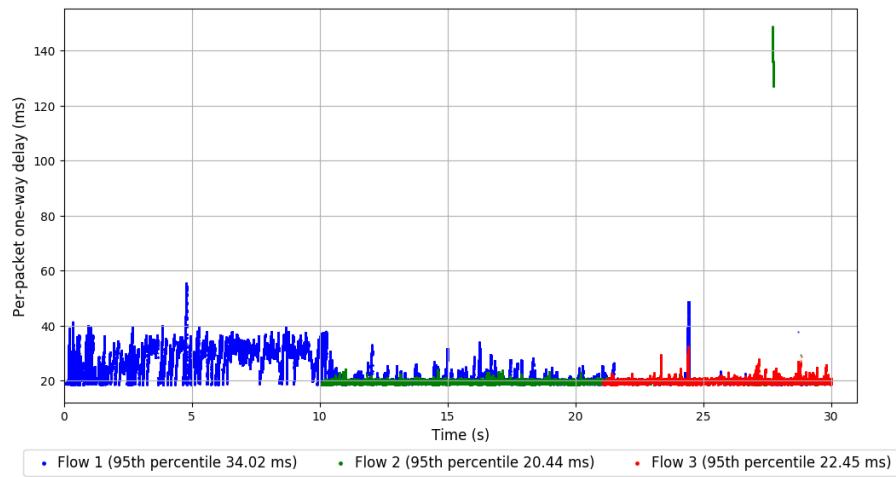
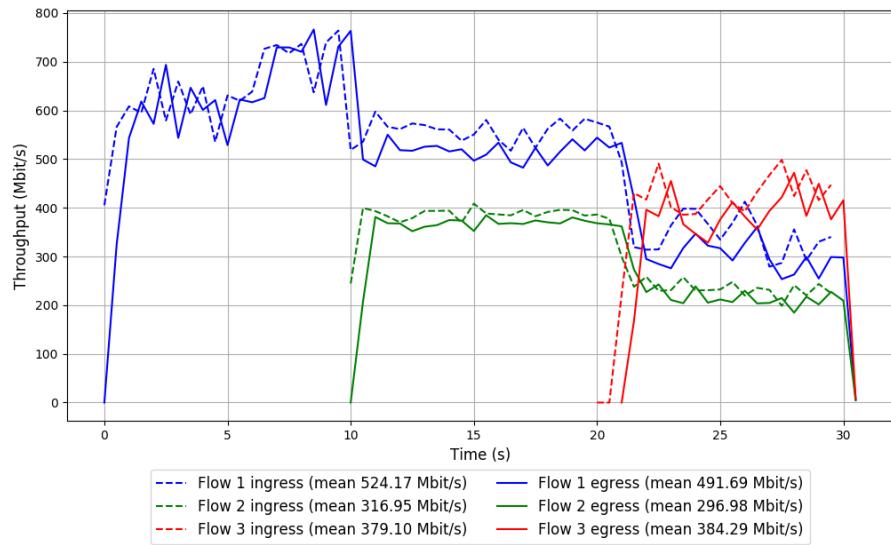


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-24 14:58:51
End at: 2018-05-24 14:59:21
Local clock offset: 0.181 ms
Remote clock offset: 1.217 ms

# Below is generated by plot.py at 2018-05-24 18:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 804.35 Mbit/s
95th percentile per-packet one-way delay: 33.046 ms
Loss rate: 6.61%
-- Flow 1:
Average throughput: 491.69 Mbit/s
95th percentile per-packet one-way delay: 34.023 ms
Loss rate: 6.19%
-- Flow 2:
Average throughput: 296.98 Mbit/s
95th percentile per-packet one-way delay: 20.436 ms
Loss rate: 6.29%
-- Flow 3:
Average throughput: 384.29 Mbit/s
95th percentile per-packet one-way delay: 22.453 ms
Loss rate: 8.90%
```

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

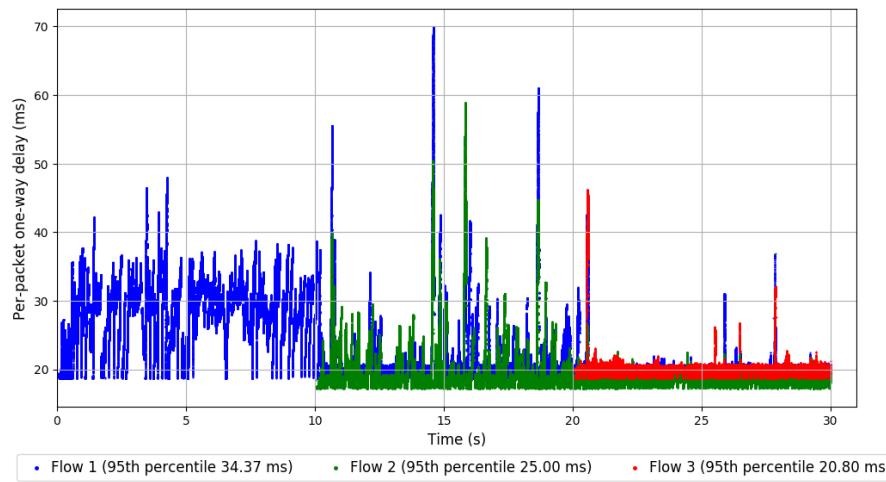
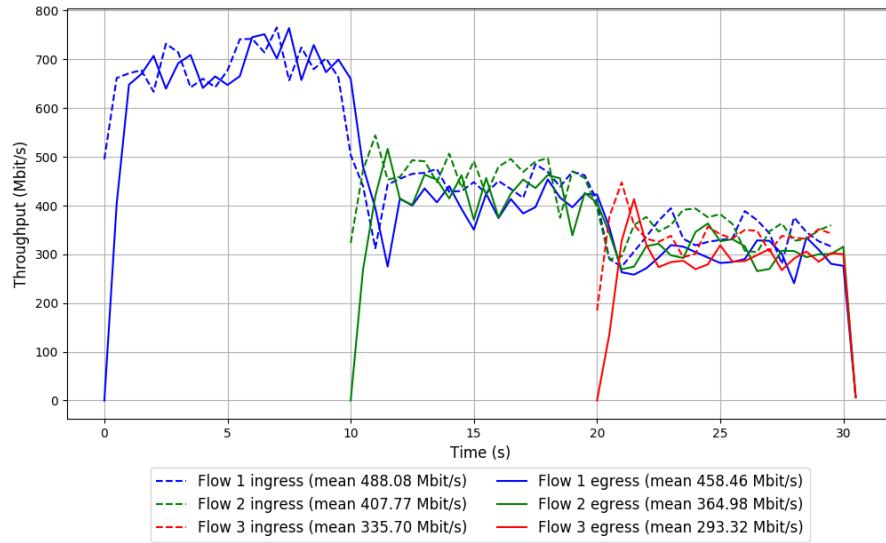


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-24 15:24:59
End at: 2018-05-24 15:25:29
Local clock offset: 0.15 ms
Remote clock offset: 0.566 ms

# Below is generated by plot.py at 2018-05-24 18:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 799.02 Mbit/s
95th percentile per-packet one-way delay: 32.975 ms
Loss rate: 8.29%
-- Flow 1:
Average throughput: 458.46 Mbit/s
95th percentile per-packet one-way delay: 34.365 ms
Loss rate: 6.07%
-- Flow 2:
Average throughput: 364.98 Mbit/s
95th percentile per-packet one-way delay: 24.998 ms
Loss rate: 10.50%
-- Flow 3:
Average throughput: 293.32 Mbit/s
95th percentile per-packet one-way delay: 20.805 ms
Loss rate: 12.63%
```

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

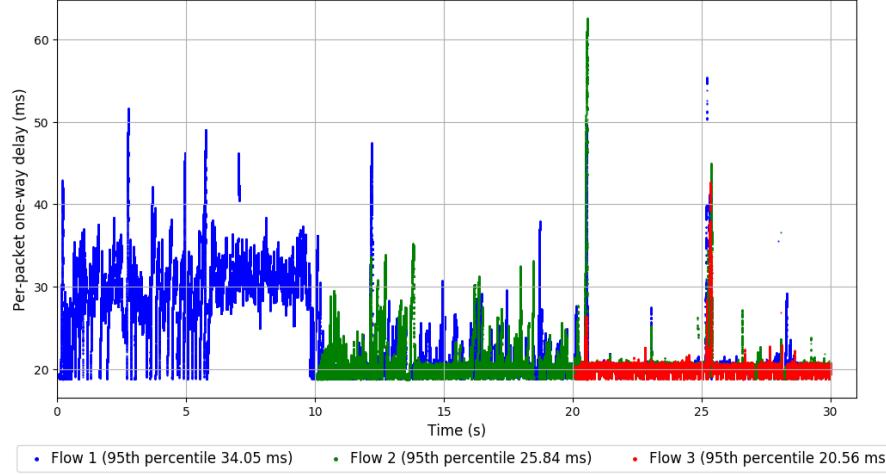
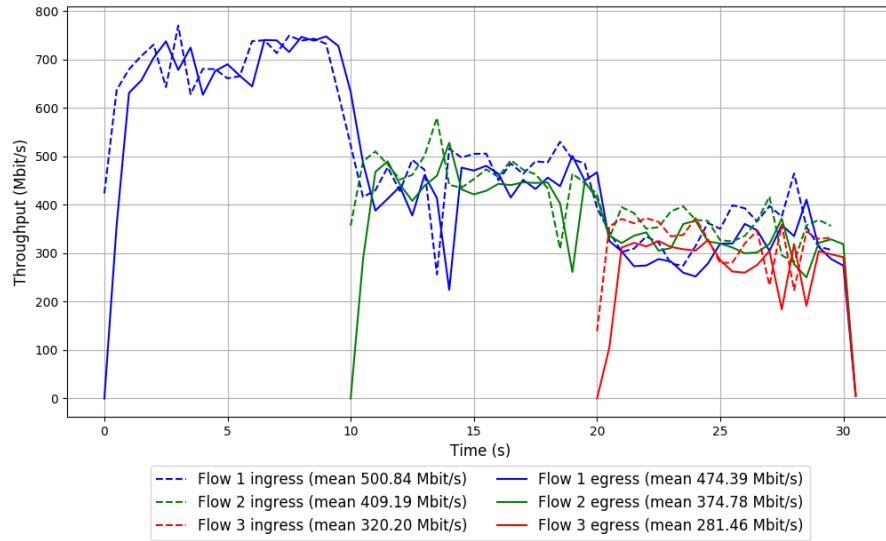


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-24 15:50:36
End at: 2018-05-24 15:51:06
Local clock offset: 0.307 ms
Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2018-05-24 18:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 817.62 Mbit/s
95th percentile per-packet one-way delay: 33.065 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 474.39 Mbit/s
95th percentile per-packet one-way delay: 34.045 ms
Loss rate: 5.28%
-- Flow 2:
Average throughput: 374.78 Mbit/s
95th percentile per-packet one-way delay: 25.843 ms
Loss rate: 8.41%
-- Flow 3:
Average throughput: 281.46 Mbit/s
95th percentile per-packet one-way delay: 20.556 ms
Loss rate: 12.11%
```

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

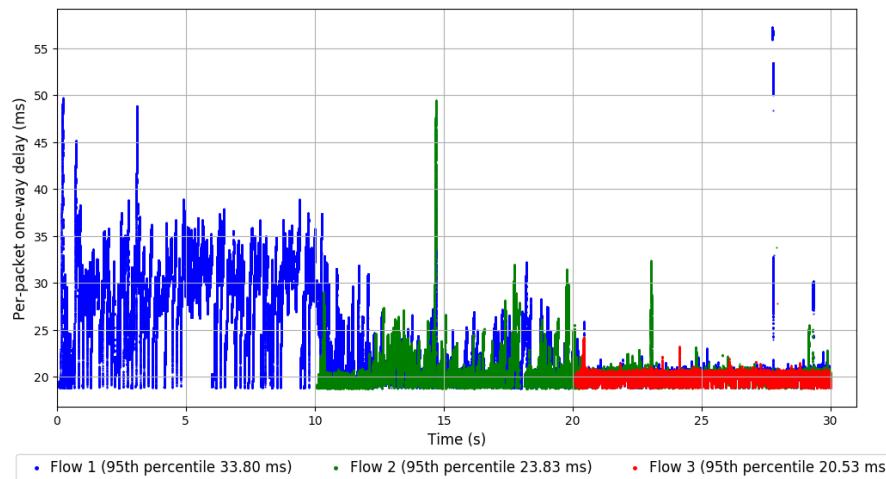
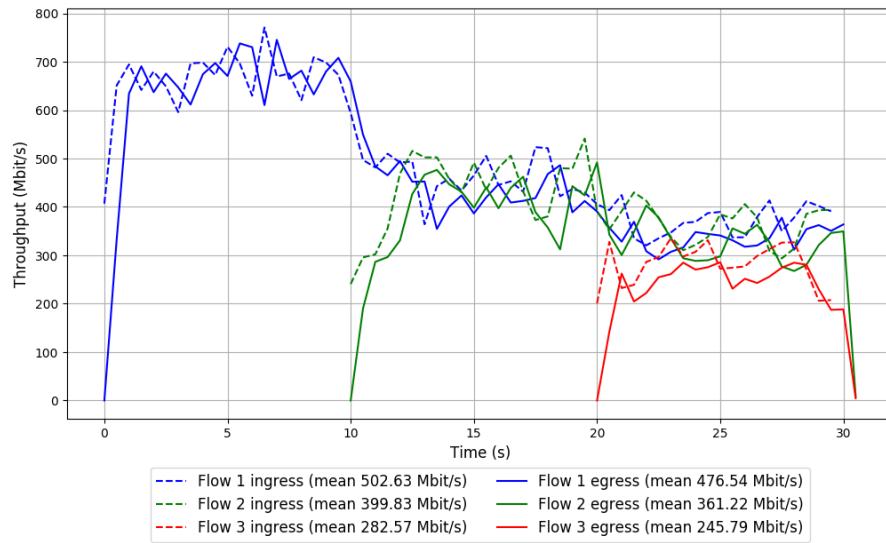


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-24 16:16:30
End at: 2018-05-24 16:17:00
Local clock offset: 0.101 ms
Remote clock offset: -0.111 ms

# Below is generated by plot.py at 2018-05-24 18:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 798.49 Mbit/s
95th percentile per-packet one-way delay: 32.755 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 476.54 Mbit/s
95th percentile per-packet one-way delay: 33.795 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 361.22 Mbit/s
95th percentile per-packet one-way delay: 23.828 ms
Loss rate: 9.66%
-- Flow 3:
Average throughput: 245.79 Mbit/s
95th percentile per-packet one-way delay: 20.528 ms
Loss rate: 13.01%
```

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

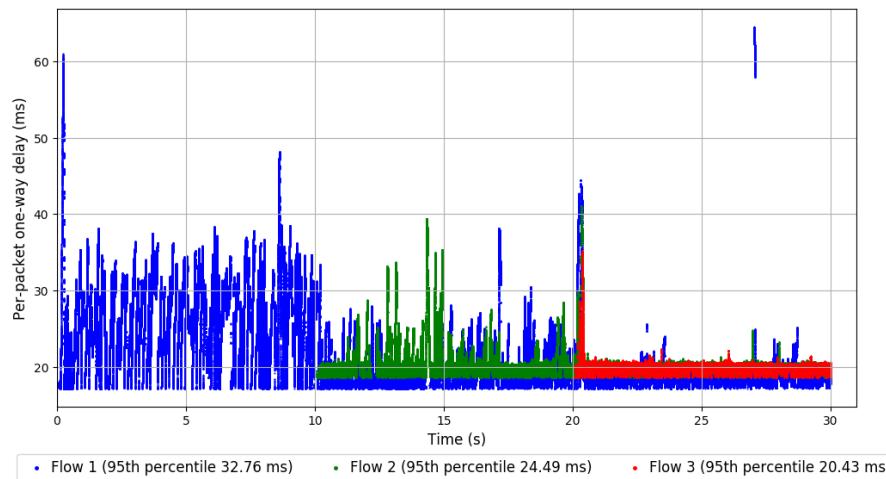
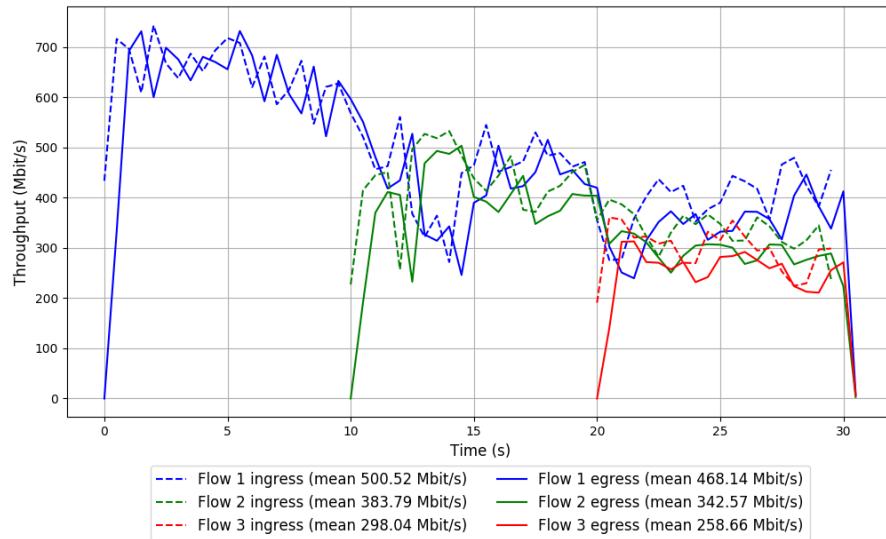


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-24 16:42:08
End at: 2018-05-24 16:42:38
Local clock offset: 0.2 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-05-24 18:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 782.23 Mbit/s
95th percentile per-packet one-way delay: 31.510 ms
Loss rate: 8.52%
-- Flow 1:
Average throughput: 468.14 Mbit/s
95th percentile per-packet one-way delay: 32.762 ms
Loss rate: 6.46%
-- Flow 2:
Average throughput: 342.57 Mbit/s
95th percentile per-packet one-way delay: 24.491 ms
Loss rate: 10.74%
-- Flow 3:
Average throughput: 258.66 Mbit/s
95th percentile per-packet one-way delay: 20.430 ms
Loss rate: 13.21%
```

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

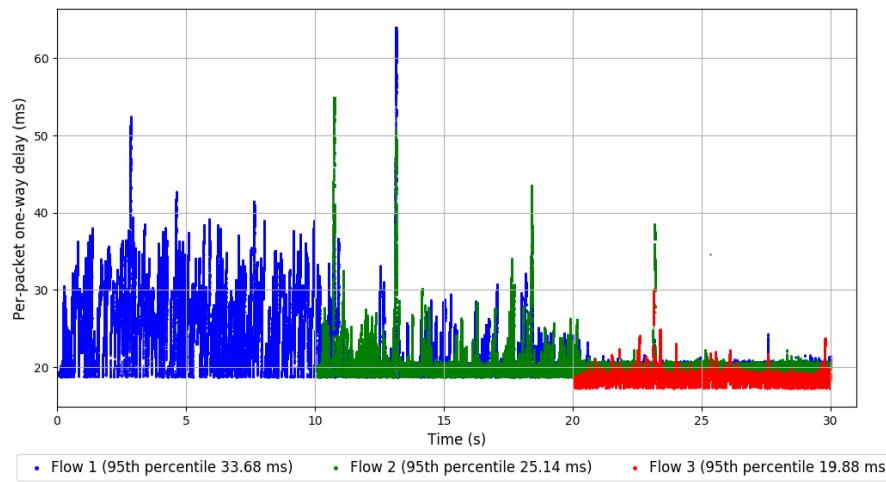
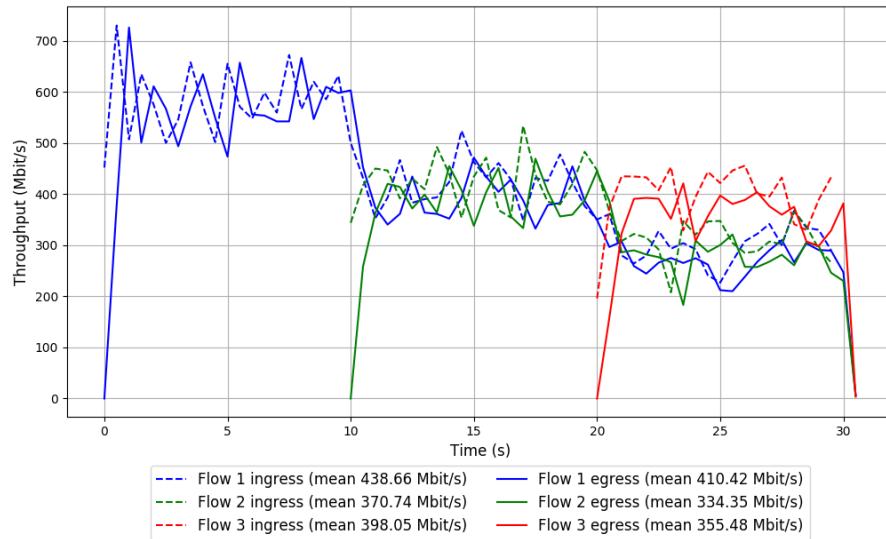


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-24 17:07:54
End at: 2018-05-24 17:08:24
Local clock offset: 0.282 ms
Remote clock offset: 0.089 ms

# Below is generated by plot.py at 2018-05-24 18:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 751.57 Mbit/s
95th percentile per-packet one-way delay: 32.065 ms
Loss rate: 8.14%
-- Flow 1:
Average throughput: 410.42 Mbit/s
95th percentile per-packet one-way delay: 33.680 ms
Loss rate: 6.43%
-- Flow 2:
Average throughput: 334.35 Mbit/s
95th percentile per-packet one-way delay: 25.140 ms
Loss rate: 9.82%
-- Flow 3:
Average throughput: 355.48 Mbit/s
95th percentile per-packet one-way delay: 19.881 ms
Loss rate: 10.68%
```

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

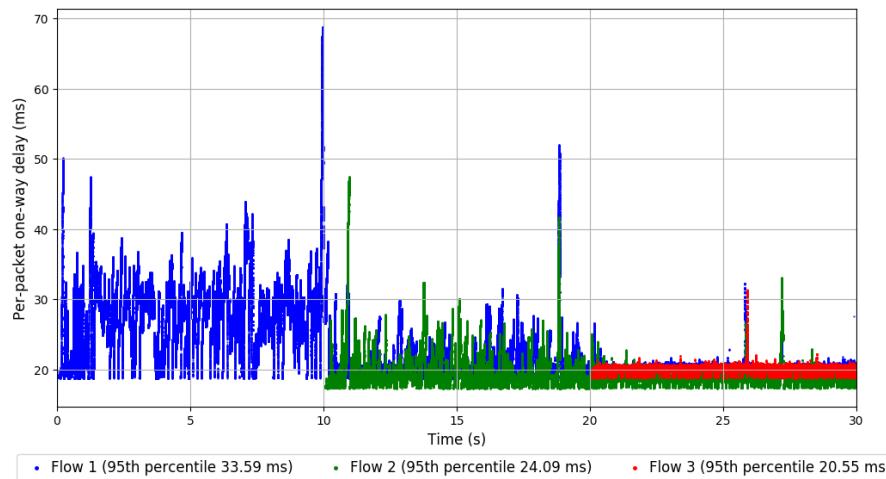
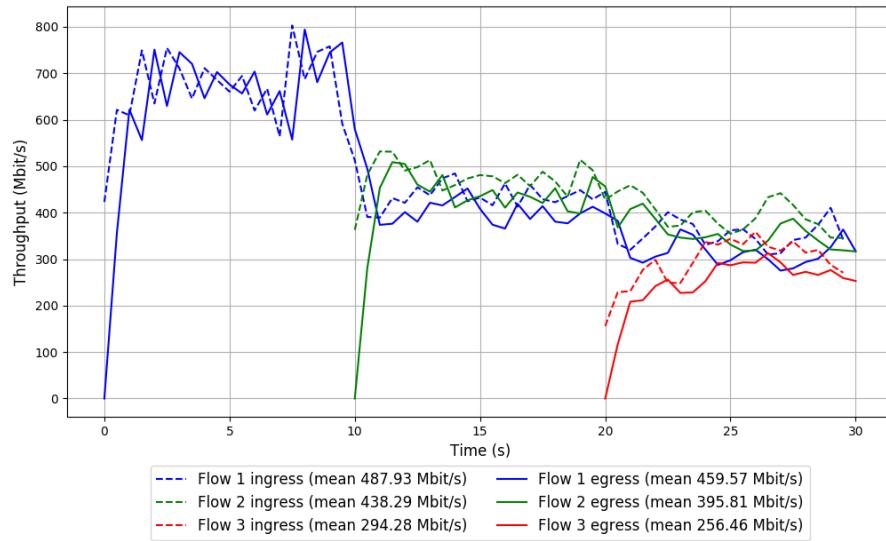


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-24 17:33:46
End at: 2018-05-24 17:34:16
Local clock offset: 0.358 ms
Remote clock offset: 0.174 ms

# Below is generated by plot.py at 2018-05-24 18:49:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 808.38 Mbit/s
95th percentile per-packet one-way delay: 31.935 ms
Loss rate: 7.89%
-- Flow 1:
Average throughput: 459.57 Mbit/s
95th percentile per-packet one-way delay: 33.585 ms
Loss rate: 5.81%
-- Flow 2:
Average throughput: 395.81 Mbit/s
95th percentile per-packet one-way delay: 24.087 ms
Loss rate: 9.69%
-- Flow 3:
Average throughput: 256.46 Mbit/s
95th percentile per-packet one-way delay: 20.547 ms
Loss rate: 12.86%
```

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

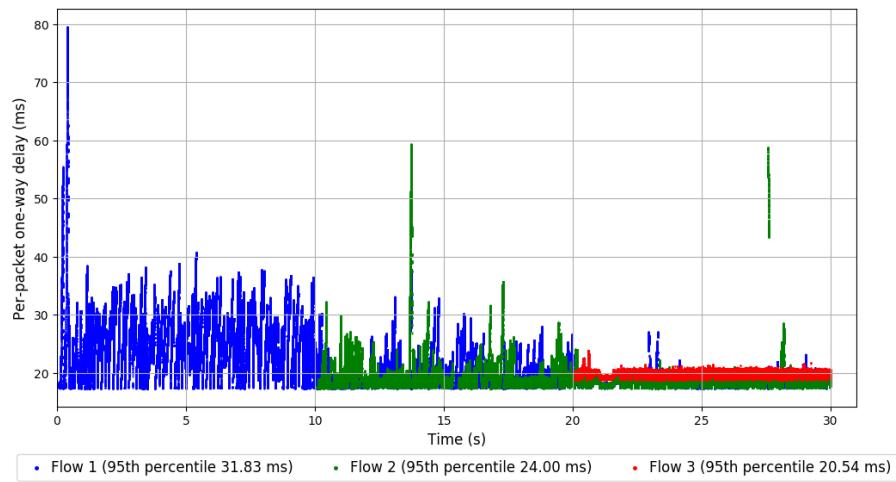
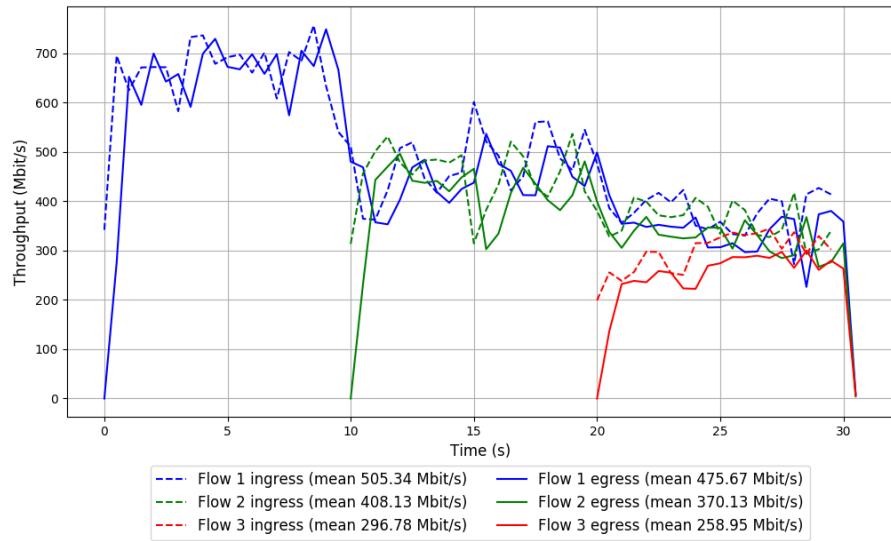


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-24 17:59:14
End at: 2018-05-24 17:59:44
Local clock offset: 0.578 ms
Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2018-05-24 18:49:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 808.32 Mbit/s
95th percentile per-packet one-way delay: 30.509 ms
Loss rate: 7.71%
-- Flow 1:
Average throughput: 475.67 Mbit/s
95th percentile per-packet one-way delay: 31.832 ms
Loss rate: 5.87%
-- Flow 2:
Average throughput: 370.13 Mbit/s
95th percentile per-packet one-way delay: 24.004 ms
Loss rate: 9.31%
-- Flow 3:
Average throughput: 258.95 Mbit/s
95th percentile per-packet one-way delay: 20.535 ms
Loss rate: 12.74%
```

Run 10: Report of TCP BBR — Data Link

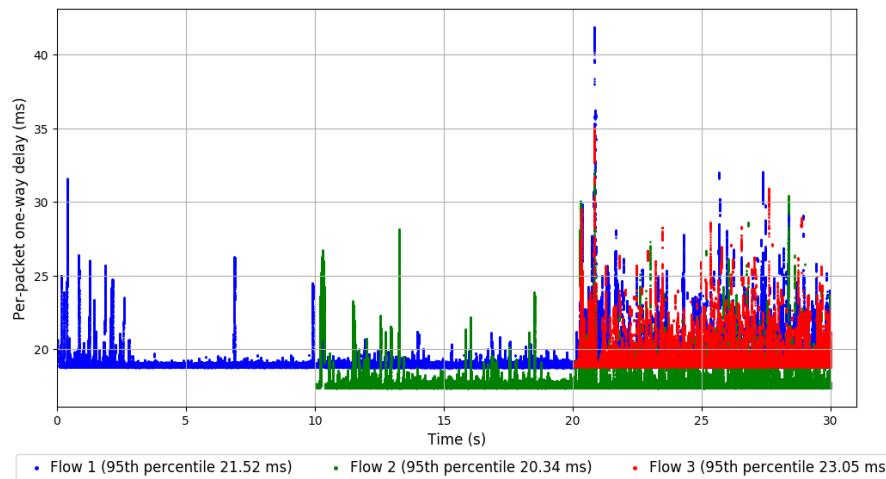
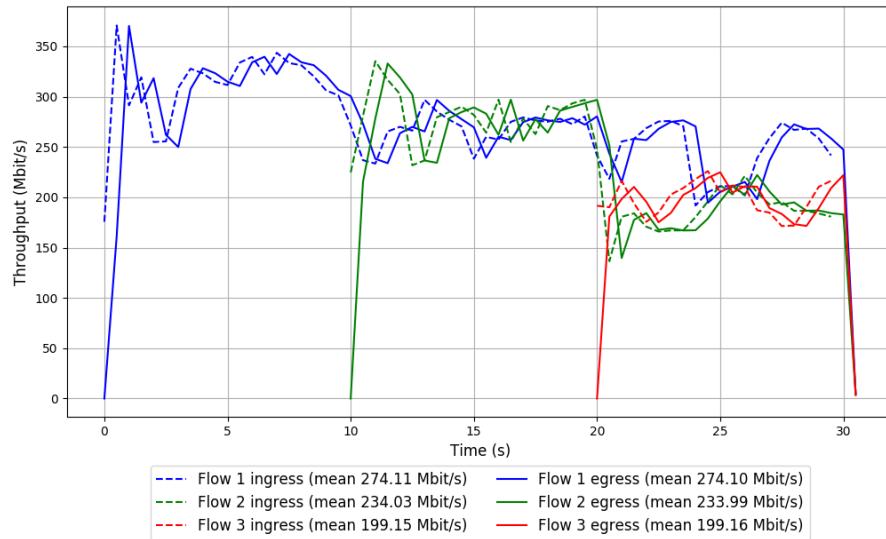


Run 1: Statistics of Copa

```
Start at: 2018-05-24 14:01:29
End at: 2018-05-24 14:01:59
Local clock offset: 0.204 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-05-24 18:51:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.13 Mbit/s
95th percentile per-packet one-way delay: 21.567 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 274.10 Mbit/s
95th percentile per-packet one-way delay: 21.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 233.99 Mbit/s
95th percentile per-packet one-way delay: 20.339 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 199.16 Mbit/s
95th percentile per-packet one-way delay: 23.047 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

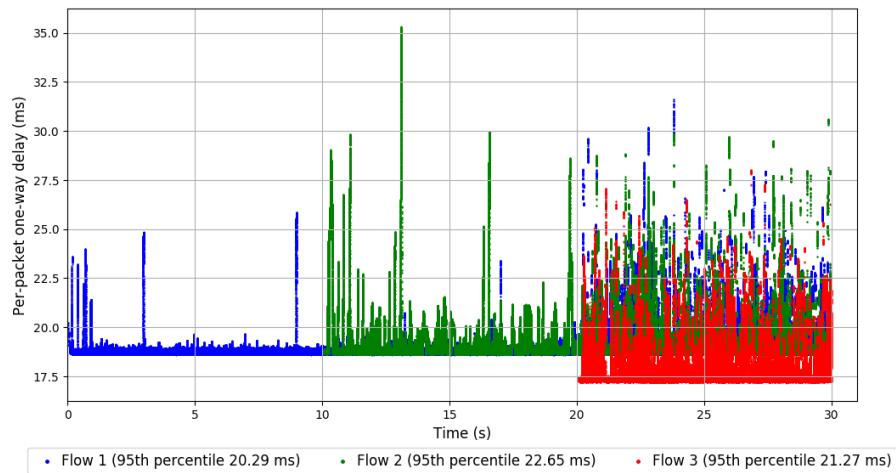
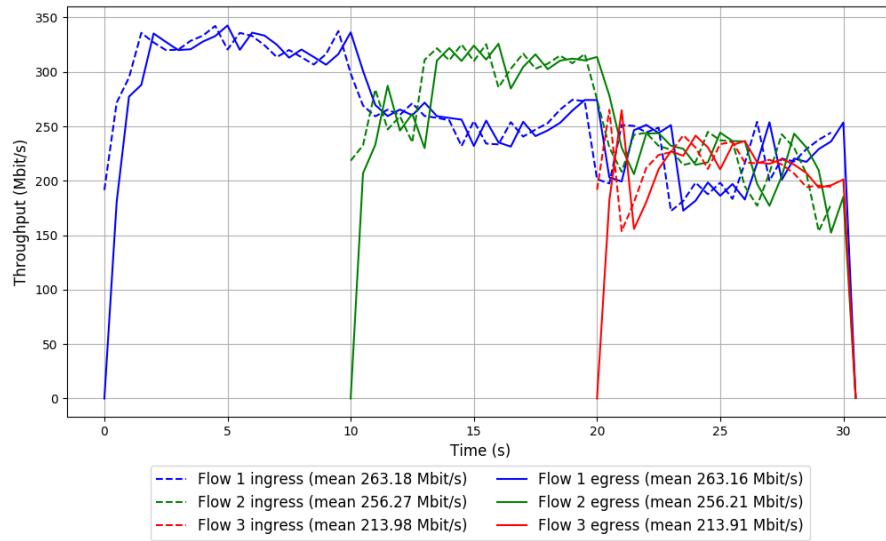


Run 2: Statistics of Copa

```
Start at: 2018-05-24 14:27:25
End at: 2018-05-24 14:27:55
Local clock offset: 0.54 ms
Remote clock offset: 0.576 ms

# Below is generated by plot.py at 2018-05-24 18:51:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 504.95 Mbit/s
95th percentile per-packet one-way delay: 21.301 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 263.16 Mbit/s
95th percentile per-packet one-way delay: 20.292 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 256.21 Mbit/s
95th percentile per-packet one-way delay: 22.646 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 213.91 Mbit/s
95th percentile per-packet one-way delay: 21.273 ms
Loss rate: 0.03%
```

## Run 2: Report of Copa — Data Link

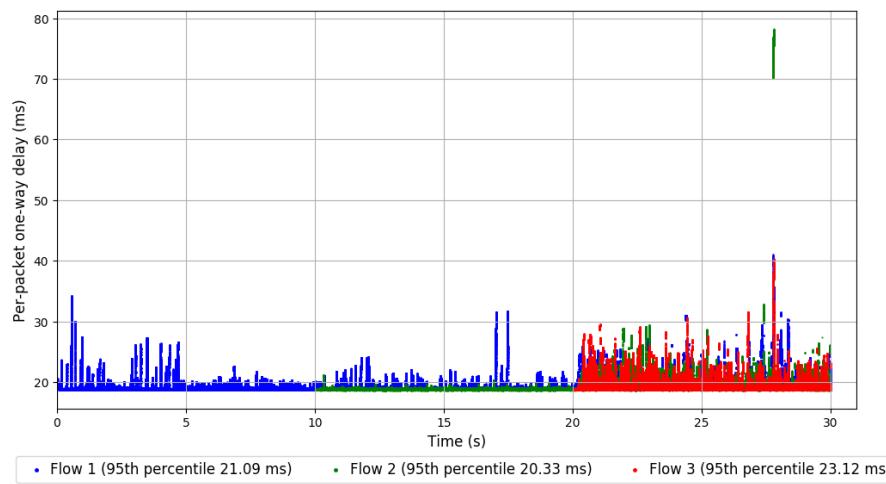
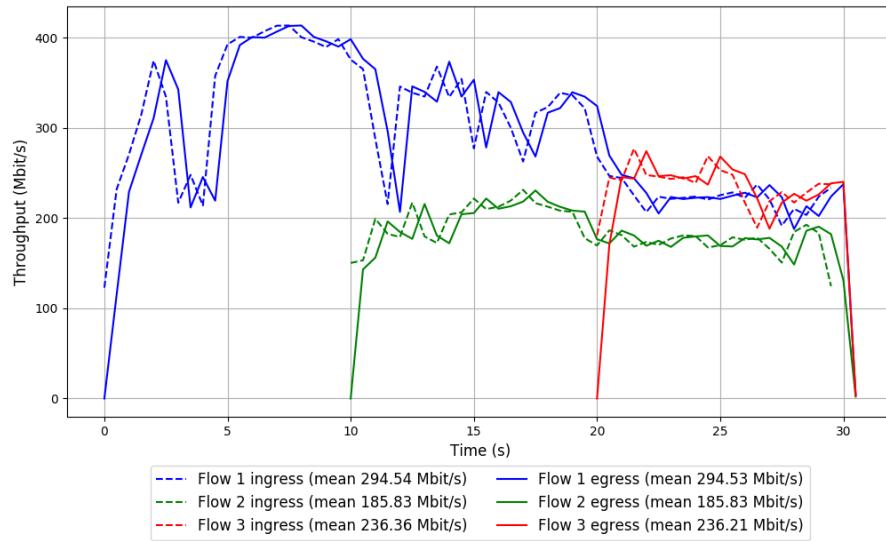


Run 3: Statistics of Copa

```
Start at: 2018-05-24 14:53:24
End at: 2018-05-24 14:53:54
Local clock offset: 0.199 ms
Remote clock offset: 1.13 ms

# Below is generated by plot.py at 2018-05-24 18:51:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.79 Mbit/s
95th percentile per-packet one-way delay: 21.502 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 294.53 Mbit/s
95th percentile per-packet one-way delay: 21.090 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 185.83 Mbit/s
95th percentile per-packet one-way delay: 20.327 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 236.21 Mbit/s
95th percentile per-packet one-way delay: 23.125 ms
Loss rate: 0.06%
```

### Run 3: Report of Copa — Data Link

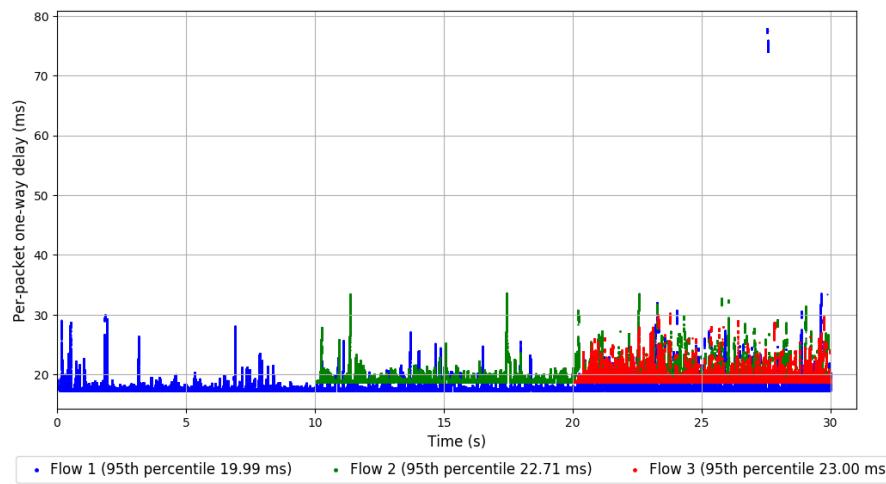
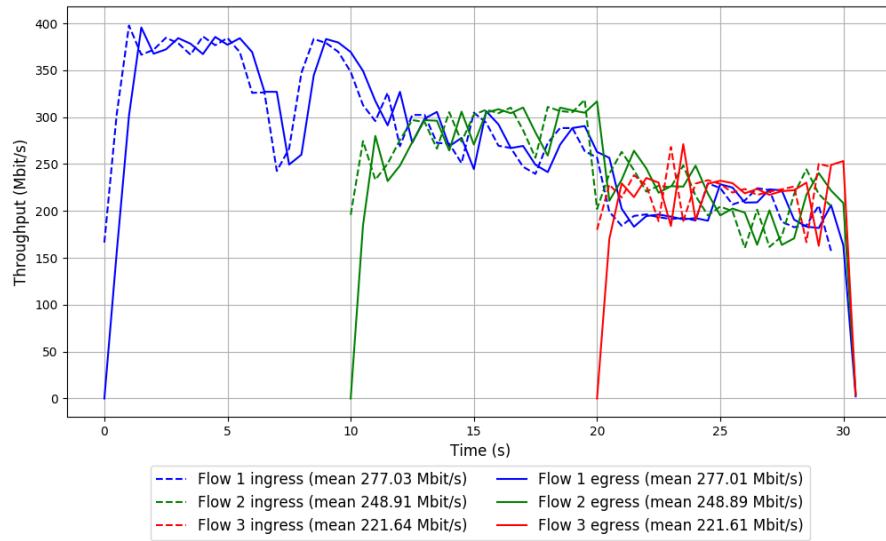


Run 4: Statistics of Copa

```
Start at: 2018-05-24 15:19:34
End at: 2018-05-24 15:20:04
Local clock offset: 0.241 ms
Remote clock offset: 0.804 ms

# Below is generated by plot.py at 2018-05-24 18:51:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 516.39 Mbit/s
95th percentile per-packet one-way delay: 21.749 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 277.01 Mbit/s
95th percentile per-packet one-way delay: 19.989 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 248.89 Mbit/s
95th percentile per-packet one-way delay: 22.710 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 221.61 Mbit/s
95th percentile per-packet one-way delay: 23.003 ms
Loss rate: 0.01%
```

## Run 4: Report of Copa — Data Link

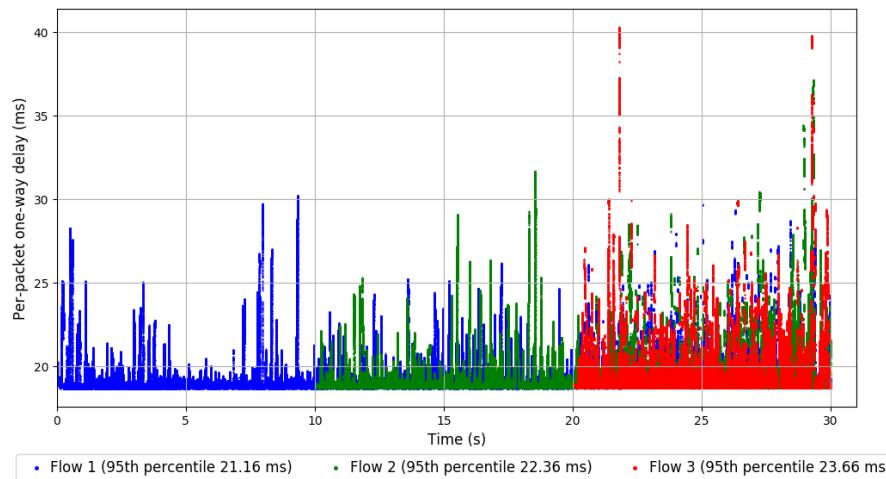
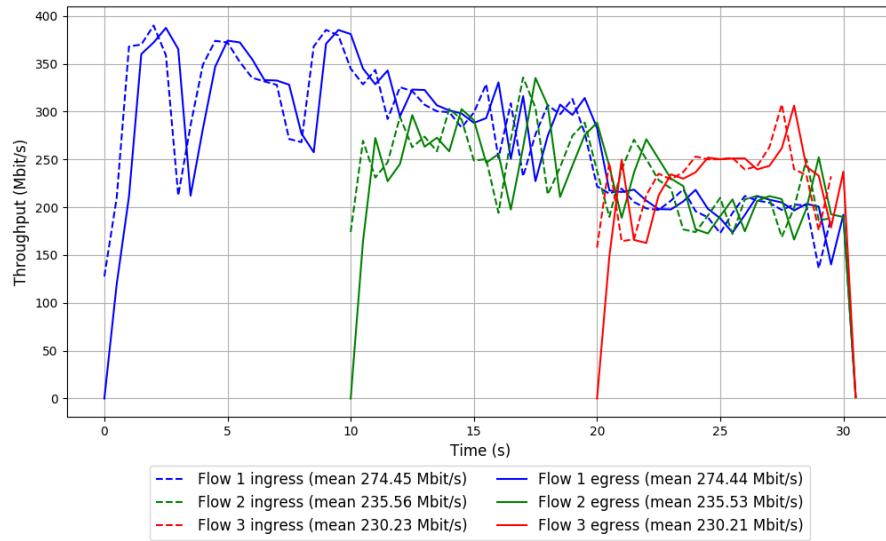


Run 5: Statistics of Copa

```
Start at: 2018-05-24 15:45:17
End at: 2018-05-24 15:45:47
Local clock offset: 0.372 ms
Remote clock offset: 0.391 ms

# Below is generated by plot.py at 2018-05-24 18:51:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 507.80 Mbit/s
95th percentile per-packet one-way delay: 22.015 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 274.44 Mbit/s
95th percentile per-packet one-way delay: 21.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 235.53 Mbit/s
95th percentile per-packet one-way delay: 22.358 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 230.21 Mbit/s
95th percentile per-packet one-way delay: 23.656 ms
Loss rate: 0.02%
```

## Run 5: Report of Copa — Data Link

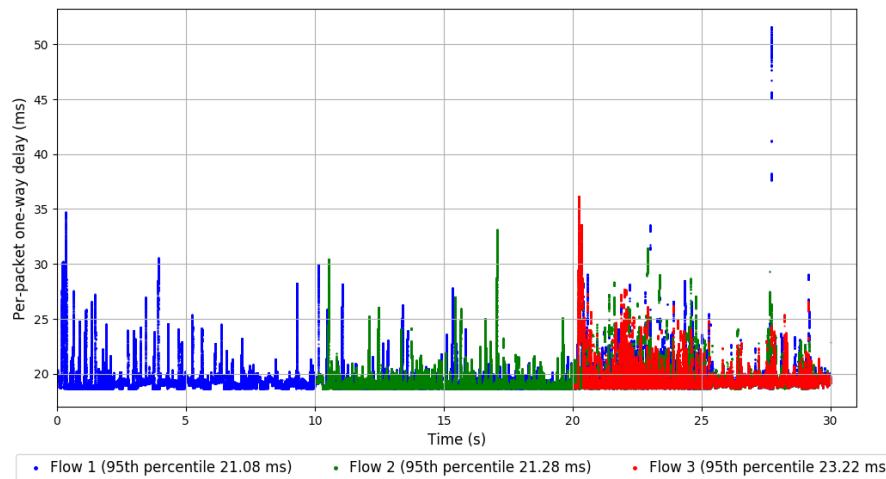
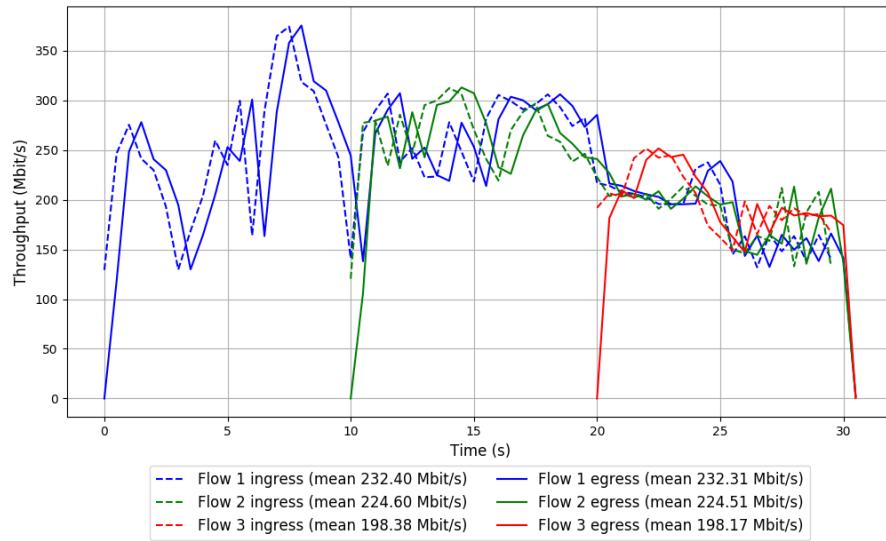


Run 6: Statistics of Copa

```
Start at: 2018-05-24 16:11:08
End at: 2018-05-24 16:11:38
Local clock offset: 0.206 ms
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2018-05-24 18:51:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 447.87 Mbit/s
95th percentile per-packet one-way delay: 21.475 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 232.31 Mbit/s
95th percentile per-packet one-way delay: 21.081 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 224.51 Mbit/s
95th percentile per-packet one-way delay: 21.279 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 198.17 Mbit/s
95th percentile per-packet one-way delay: 23.222 ms
Loss rate: 0.08%
```

Run 6: Report of Copa — Data Link

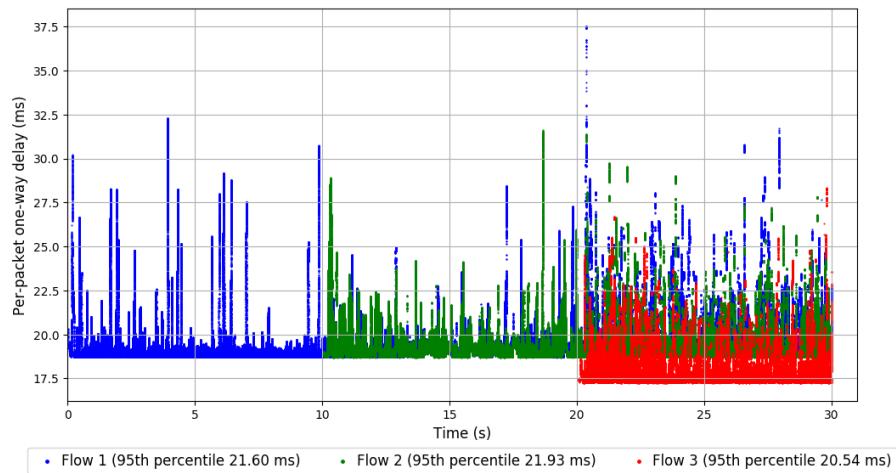
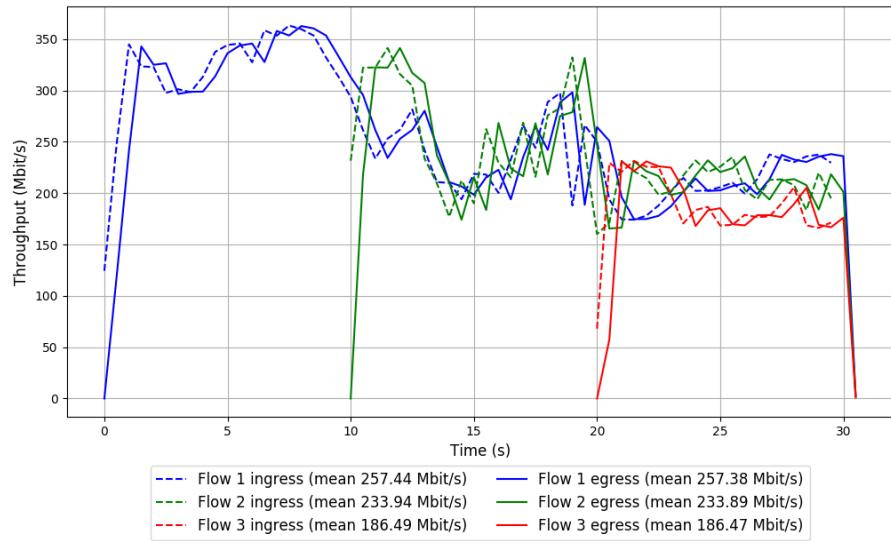


Run 7: Statistics of Copa

```
Start at: 2018-05-24 16:36:53
End at: 2018-05-24 16:37:23
Local clock offset: 0.181 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-05-24 19:01:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.10 Mbit/s
95th percentile per-packet one-way delay: 21.599 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 257.38 Mbit/s
95th percentile per-packet one-way delay: 21.600 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 233.89 Mbit/s
95th percentile per-packet one-way delay: 21.927 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 186.47 Mbit/s
95th percentile per-packet one-way delay: 20.538 ms
Loss rate: 0.01%
```

Run 7: Report of Copa — Data Link

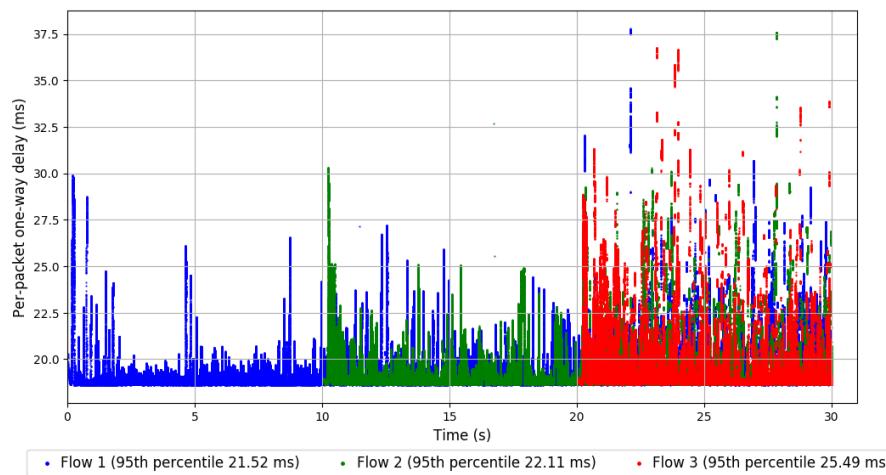
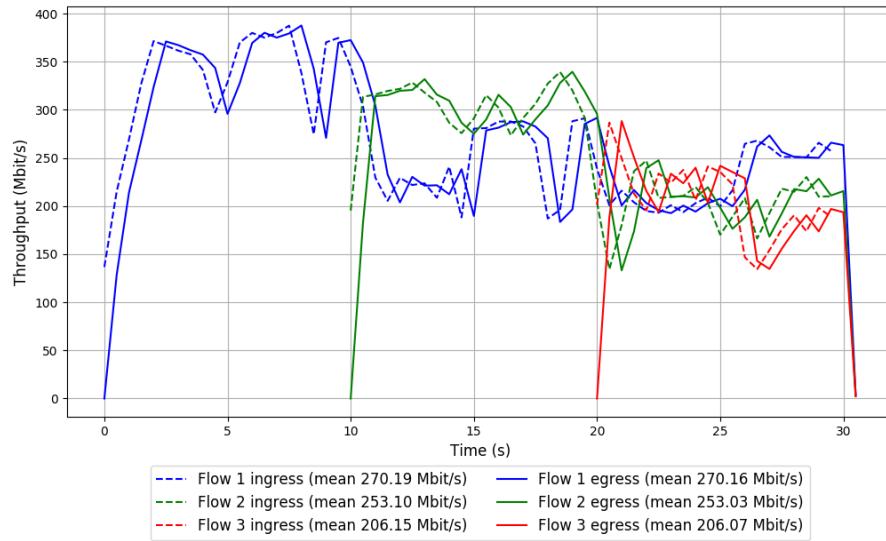


Run 8: Statistics of Copa

```
Start at: 2018-05-24 17:02:28
End at: 2018-05-24 17:02:58
Local clock offset: 0.226 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-24 19:02:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 507.08 Mbit/s
95th percentile per-packet one-way delay: 22.297 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 270.16 Mbit/s
95th percentile per-packet one-way delay: 21.520 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 253.03 Mbit/s
95th percentile per-packet one-way delay: 22.107 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 206.07 Mbit/s
95th percentile per-packet one-way delay: 25.487 ms
Loss rate: 0.04%
```

## Run 8: Report of Copa — Data Link

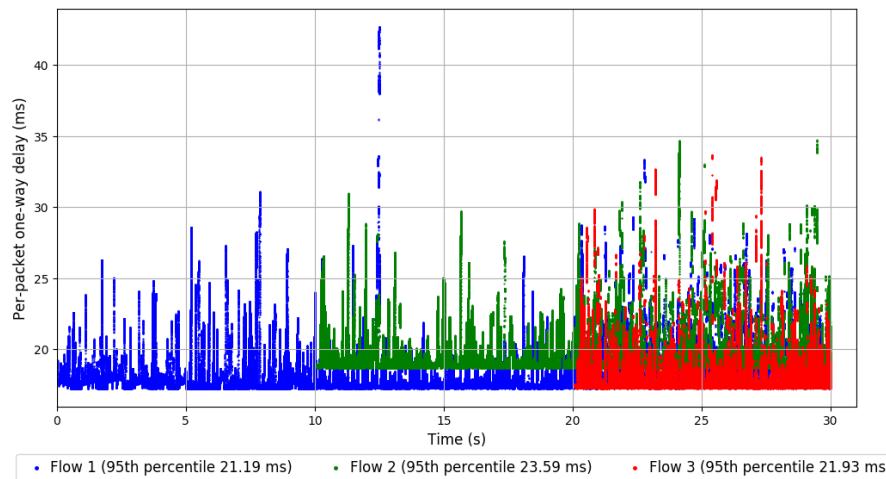
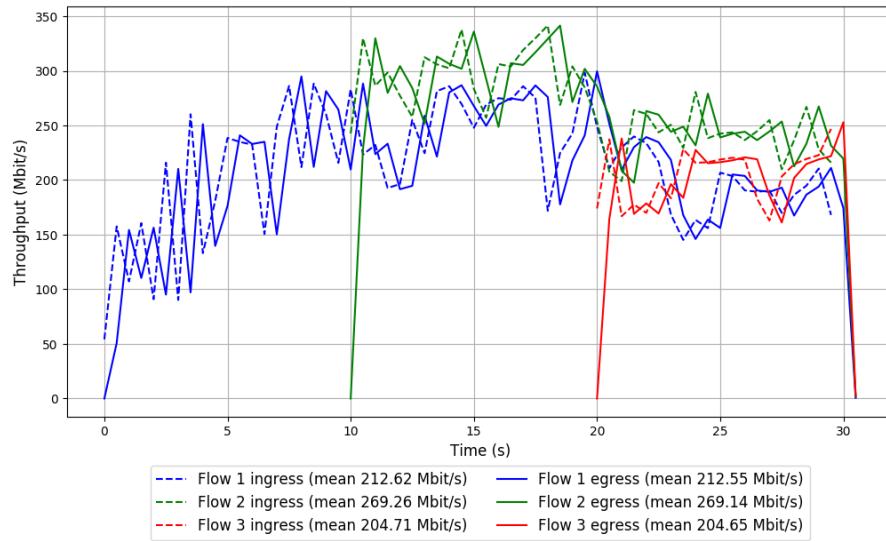


Run 9: Statistics of Copa

```
Start at: 2018-05-24 17:28:28
End at: 2018-05-24 17:28:58
Local clock offset: 0.308 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-05-24 19:02:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.81 Mbit/s
95th percentile per-packet one-way delay: 22.543 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 212.55 Mbit/s
95th percentile per-packet one-way delay: 21.190 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 269.14 Mbit/s
95th percentile per-packet one-way delay: 23.588 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 204.65 Mbit/s
95th percentile per-packet one-way delay: 21.928 ms
Loss rate: 0.01%
```

## Run 9: Report of Copa — Data Link

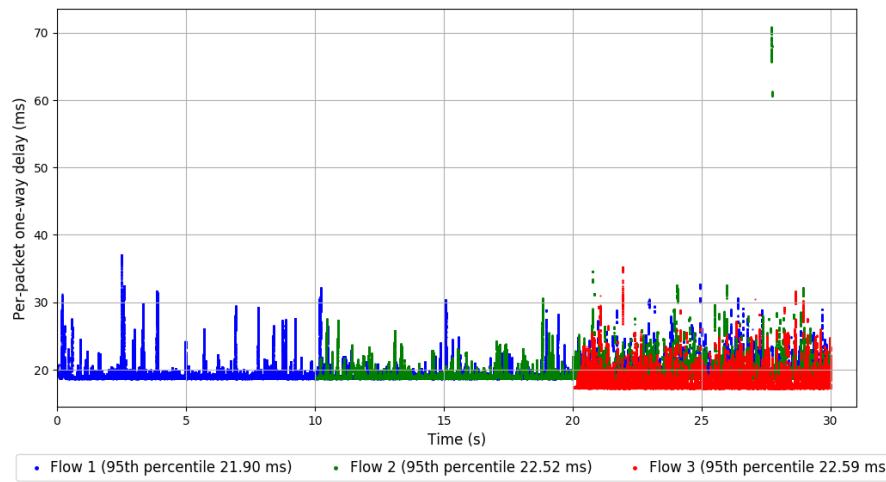
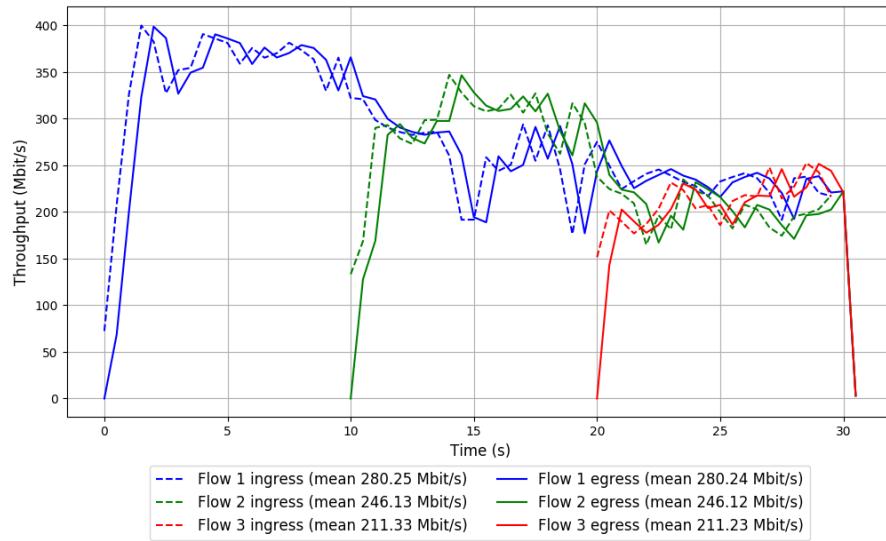


Run 10: Statistics of Copa

```
Start at: 2018-05-24 17:53:51
End at: 2018-05-24 17:54:21
Local clock offset: 0.651 ms
Remote clock offset: 0.21 ms

# Below is generated by plot.py at 2018-05-24 19:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 514.39 Mbit/s
95th percentile per-packet one-way delay: 22.247 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 280.24 Mbit/s
95th percentile per-packet one-way delay: 21.904 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 246.12 Mbit/s
95th percentile per-packet one-way delay: 22.519 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 211.23 Mbit/s
95th percentile per-packet one-way delay: 22.587 ms
Loss rate: 0.03%
```

## Run 10: Report of Copa — Data Link

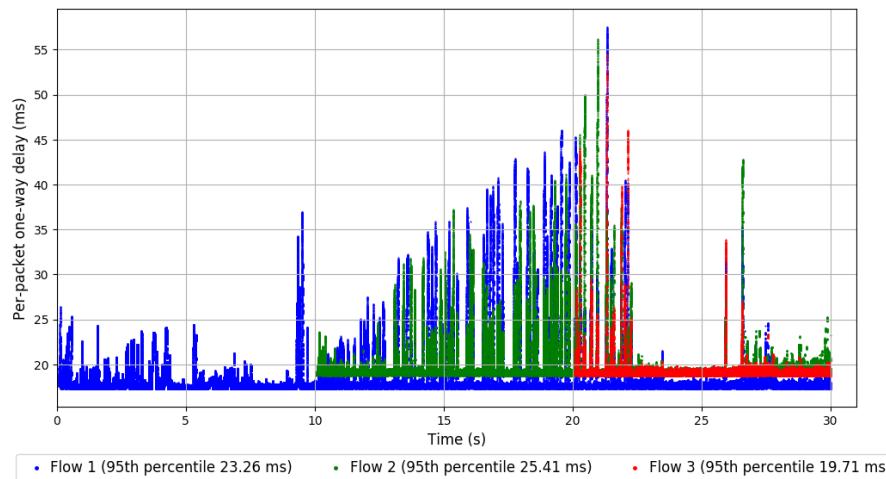
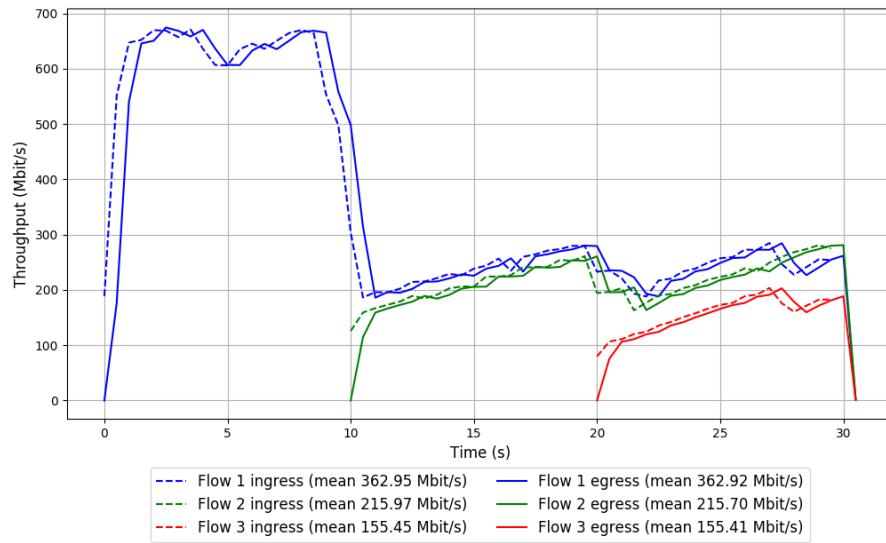


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-24 13:56:25
End at: 2018-05-24 13:56:55
Local clock offset: 0.157 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-05-24 19:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.28 Mbit/s
95th percentile per-packet one-way delay: 23.458 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 362.92 Mbit/s
95th percentile per-packet one-way delay: 23.257 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 215.70 Mbit/s
95th percentile per-packet one-way delay: 25.406 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 155.41 Mbit/s
95th percentile per-packet one-way delay: 19.714 ms
Loss rate: 0.04%
```

Run 1: Report of TCP Cubic — Data Link

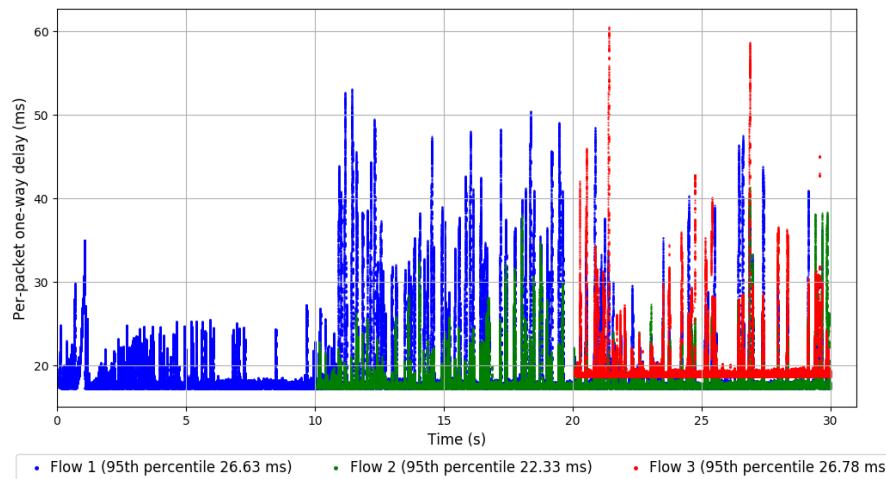
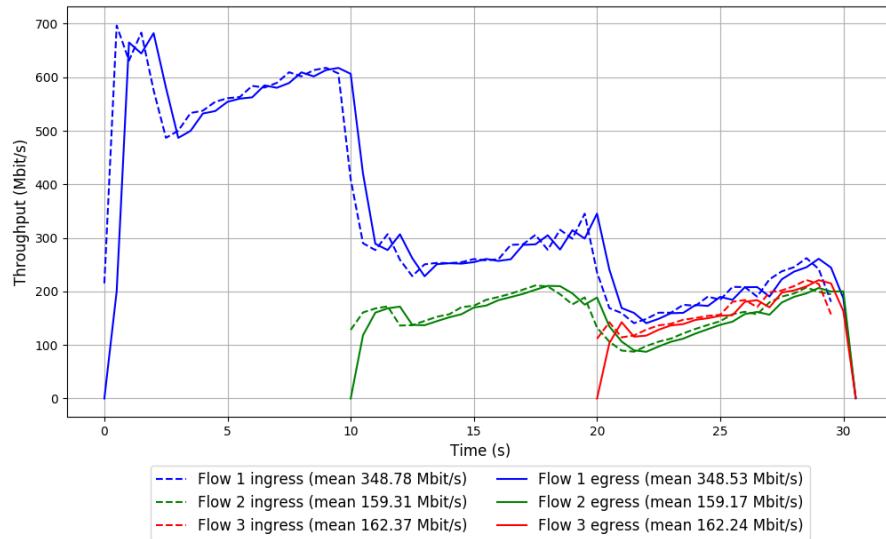


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-24 14:22:20
End at: 2018-05-24 14:22:50
Local clock offset: 0.524 ms
Remote clock offset: 0.515 ms

# Below is generated by plot.py at 2018-05-24 19:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 508.52 Mbit/s
95th percentile per-packet one-way delay: 25.557 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 348.53 Mbit/s
95th percentile per-packet one-way delay: 26.630 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 159.17 Mbit/s
95th percentile per-packet one-way delay: 22.331 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 162.24 Mbit/s
95th percentile per-packet one-way delay: 26.781 ms
Loss rate: 0.07%
```

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

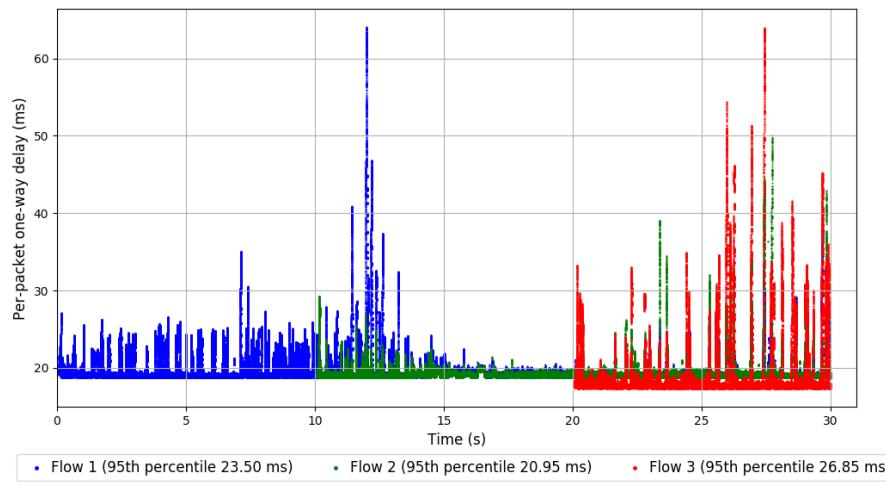
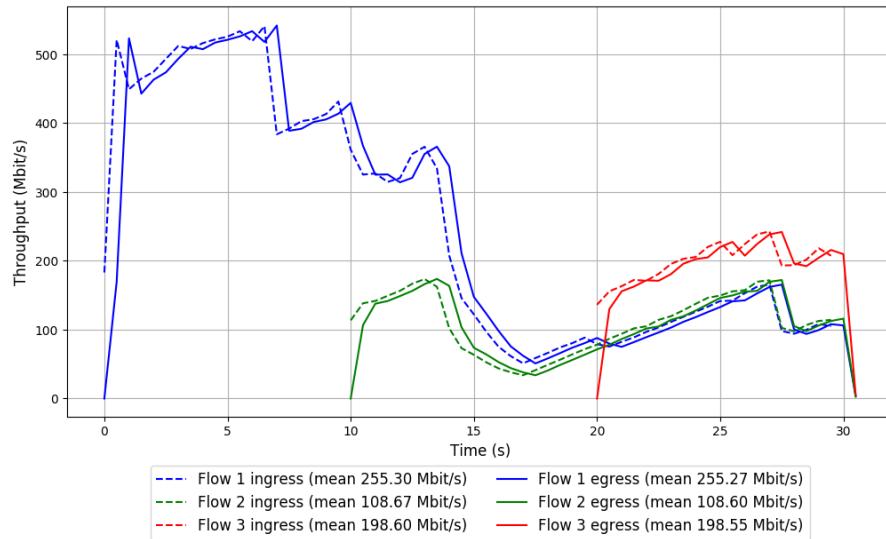


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-24 14:48:25
End at: 2018-05-24 14:48:55
Local clock offset: 0.136 ms
Remote clock offset: 1.034 ms

# Below is generated by plot.py at 2018-05-24 19:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 393.64 Mbit/s
95th percentile per-packet one-way delay: 23.435 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 255.27 Mbit/s
95th percentile per-packet one-way delay: 23.501 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 108.60 Mbit/s
95th percentile per-packet one-way delay: 20.946 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 198.55 Mbit/s
95th percentile per-packet one-way delay: 26.852 ms
Loss rate: 0.02%
```

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

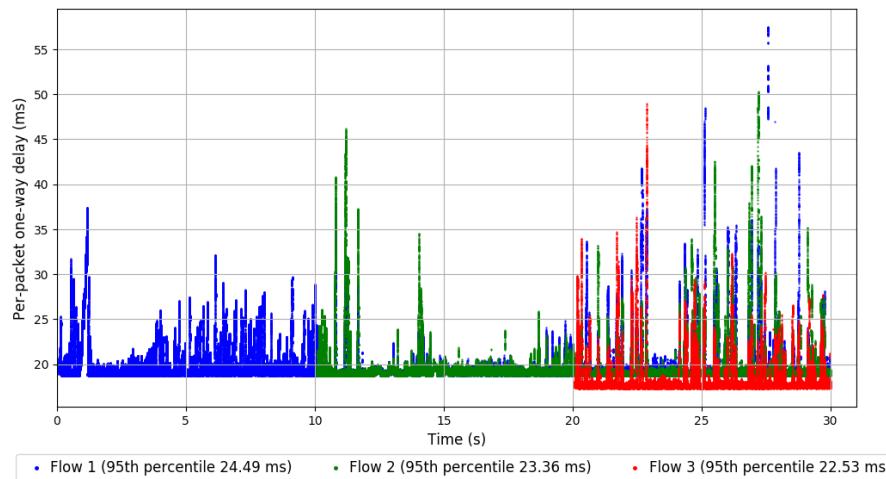
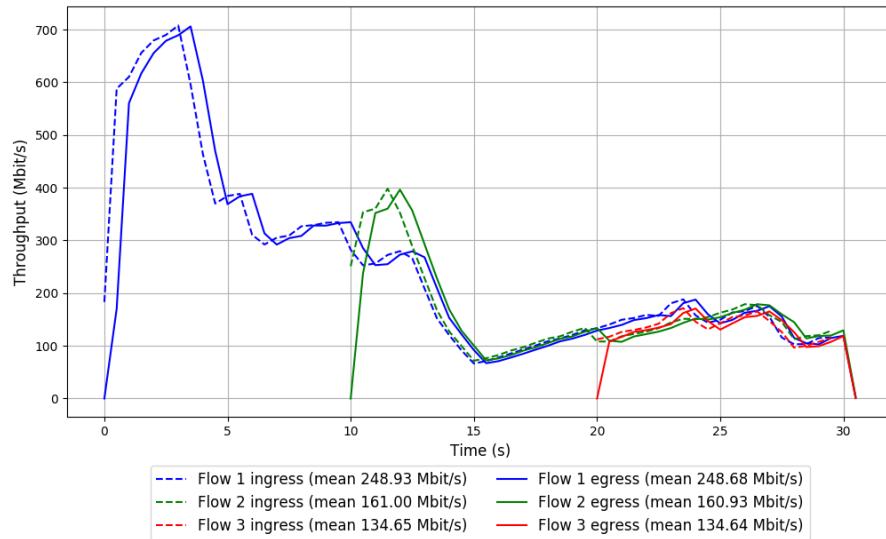


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-24 15:14:31
End at: 2018-05-24 15:15:01
Local clock offset: 0.23 ms
Remote clock offset: 1.092 ms

# Below is generated by plot.py at 2018-05-24 19:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 400.64 Mbit/s
95th percentile per-packet one-way delay: 24.023 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 248.68 Mbit/s
95th percentile per-packet one-way delay: 24.490 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 160.93 Mbit/s
95th percentile per-packet one-way delay: 23.361 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 134.64 Mbit/s
95th percentile per-packet one-way delay: 22.532 ms
Loss rate: 0.01%
```

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

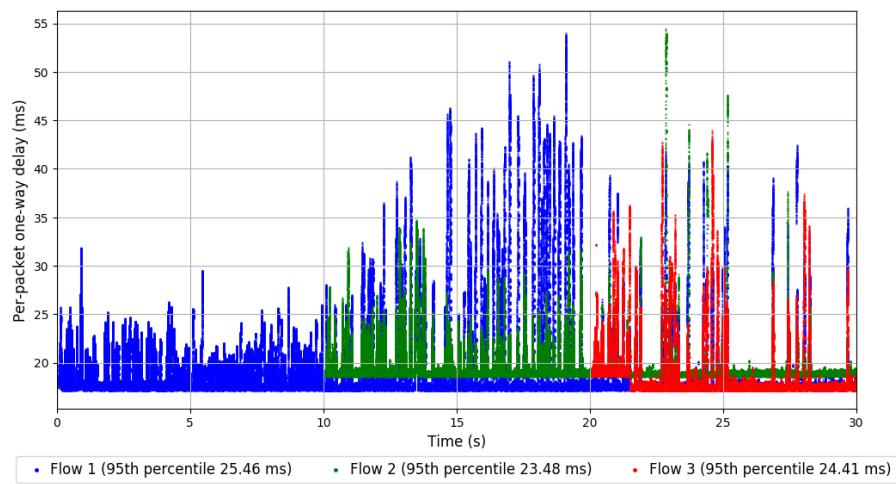
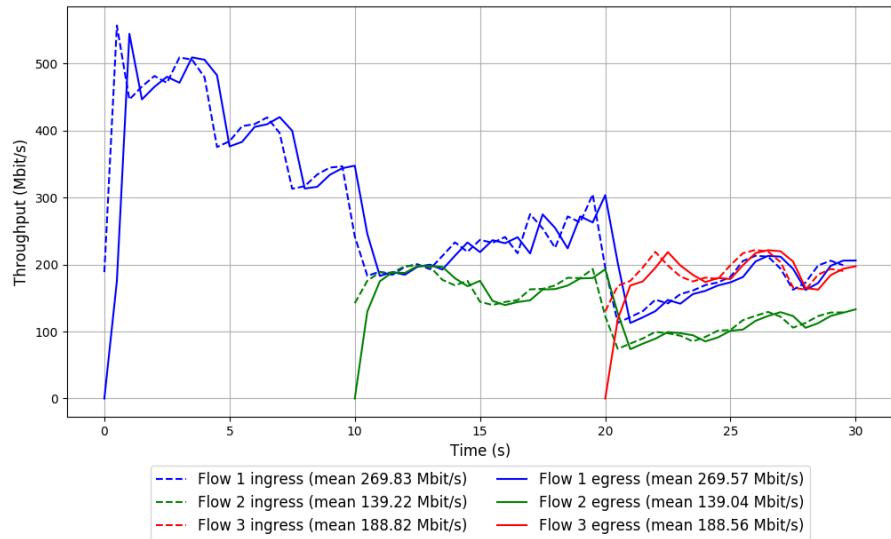


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-24 15:40:11
End at: 2018-05-24 15:40:41
Local clock offset: 0.382 ms
Remote clock offset: 0.458 ms

# Below is generated by plot.py at 2018-05-24 19:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 424.83 Mbit/s
95th percentile per-packet one-way delay: 24.695 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 269.57 Mbit/s
95th percentile per-packet one-way delay: 25.456 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 139.04 Mbit/s
95th percentile per-packet one-way delay: 23.484 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 188.56 Mbit/s
95th percentile per-packet one-way delay: 24.408 ms
Loss rate: 0.15%
```

Run 5: Report of TCP Cubic — Data Link

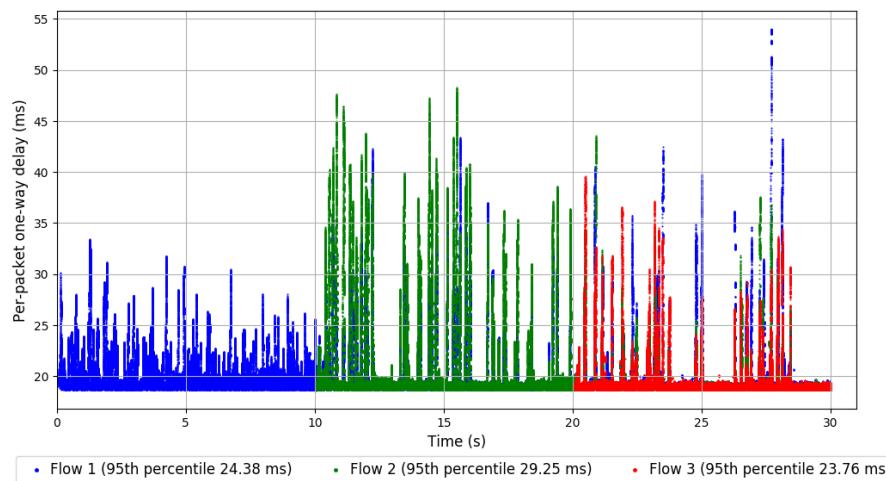
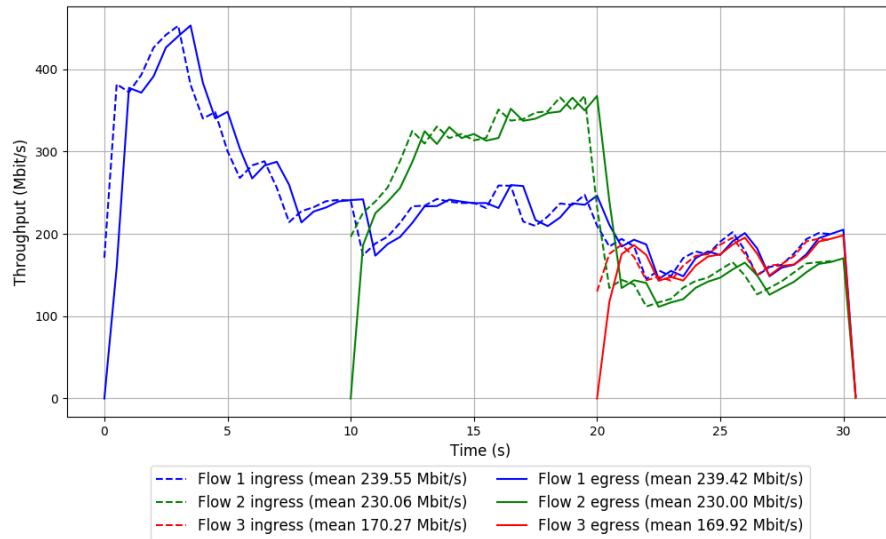


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-24 16:06:02
End at: 2018-05-24 16:06:32
Local clock offset: 0.271 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-05-24 19:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 449.02 Mbit/s
95th percentile per-packet one-way delay: 25.488 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 239.42 Mbit/s
95th percentile per-packet one-way delay: 24.376 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 230.00 Mbit/s
95th percentile per-packet one-way delay: 29.251 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 169.92 Mbit/s
95th percentile per-packet one-way delay: 23.763 ms
Loss rate: 0.23%
```

Run 6: Report of TCP Cubic — Data Link

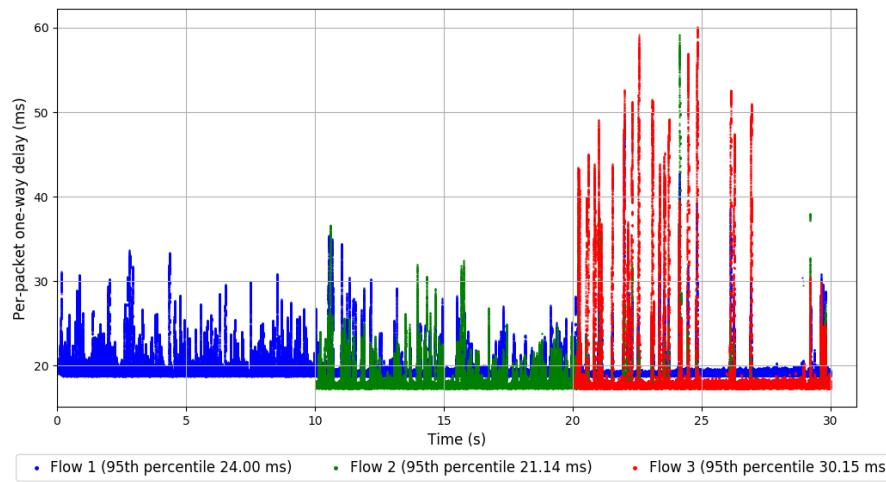
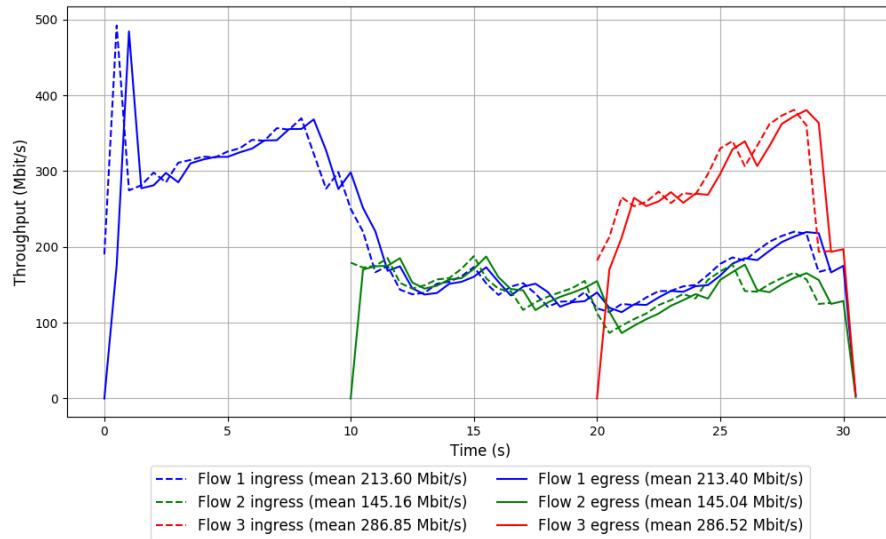


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-24 16:31:56
End at: 2018-05-24 16:32:26
Local clock offset: 0.14 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-05-24 19:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.16 Mbit/s
95th percentile per-packet one-way delay: 23.723 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 213.40 Mbit/s
95th percentile per-packet one-way delay: 24.001 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 145.04 Mbit/s
95th percentile per-packet one-way delay: 21.138 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 286.52 Mbit/s
95th percentile per-packet one-way delay: 30.148 ms
Loss rate: 0.11%
```

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

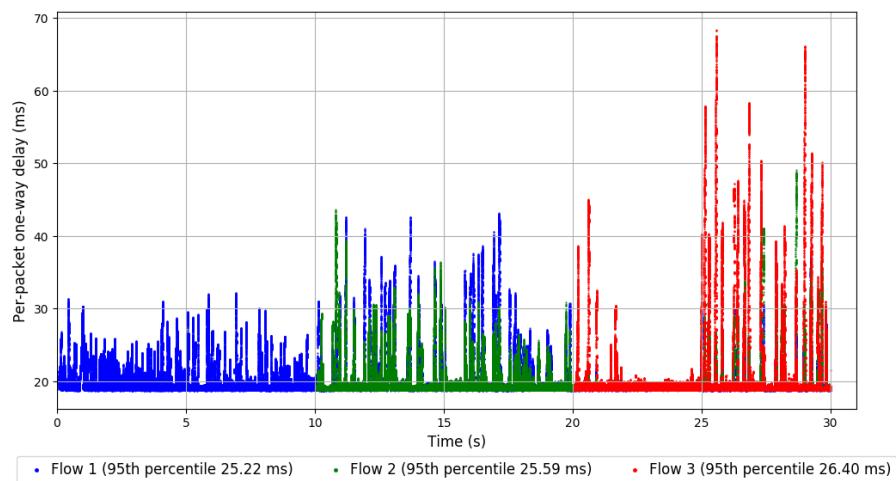
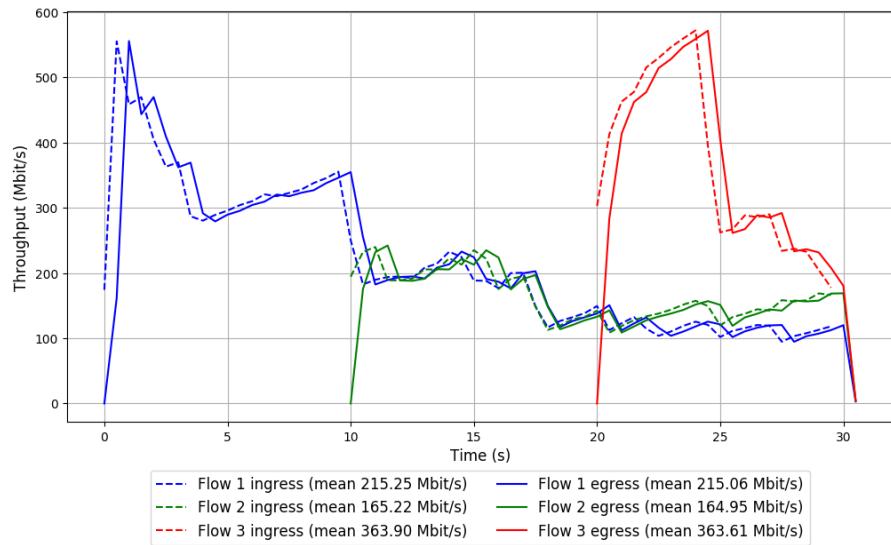


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-24 16:57:33
End at: 2018-05-24 16:58:03
Local clock offset: 0.109 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-24 19:04:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.82 Mbit/s
95th percentile per-packet one-way delay: 25.430 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 215.06 Mbit/s
95th percentile per-packet one-way delay: 25.222 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 164.95 Mbit/s
95th percentile per-packet one-way delay: 25.587 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 363.61 Mbit/s
95th percentile per-packet one-way delay: 26.398 ms
Loss rate: 0.05%
```

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

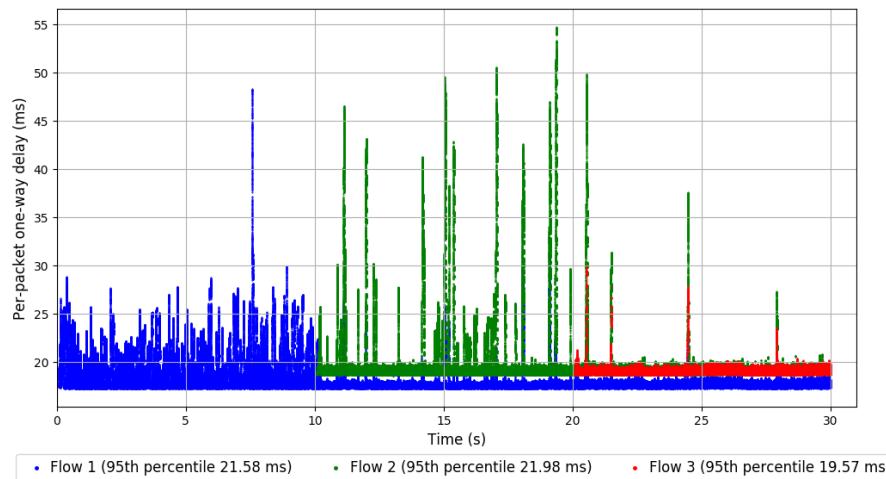
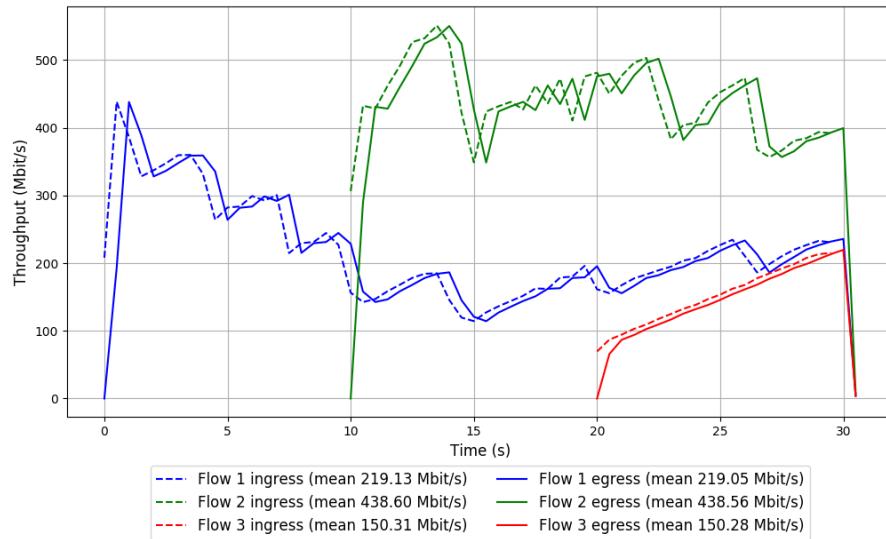


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-24 17:23:18
End at: 2018-05-24 17:23:48
Local clock offset: 0.304 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2018-05-24 19:08:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 560.99 Mbit/s
95th percentile per-packet one-way delay: 21.365 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 219.05 Mbit/s
95th percentile per-packet one-way delay: 21.582 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 438.56 Mbit/s
95th percentile per-packet one-way delay: 21.984 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 150.28 Mbit/s
95th percentile per-packet one-way delay: 19.569 ms
Loss rate: 0.02%
```

Run 9: Report of TCP Cubic — Data Link

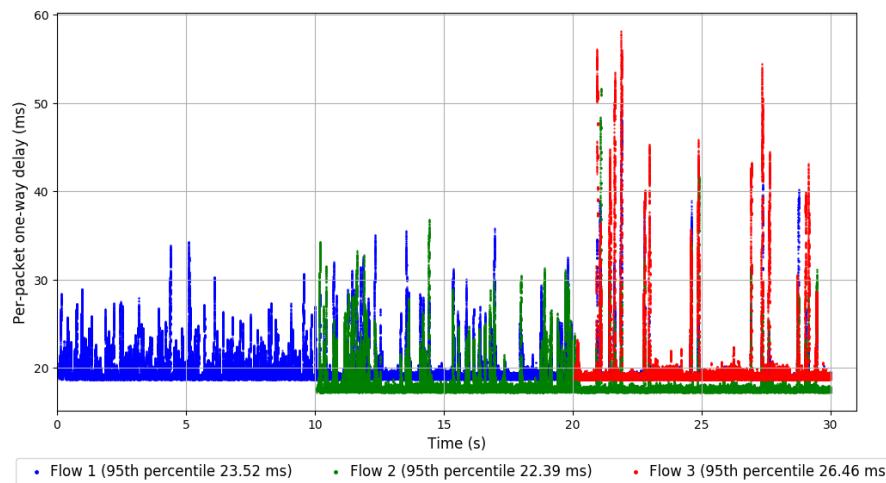
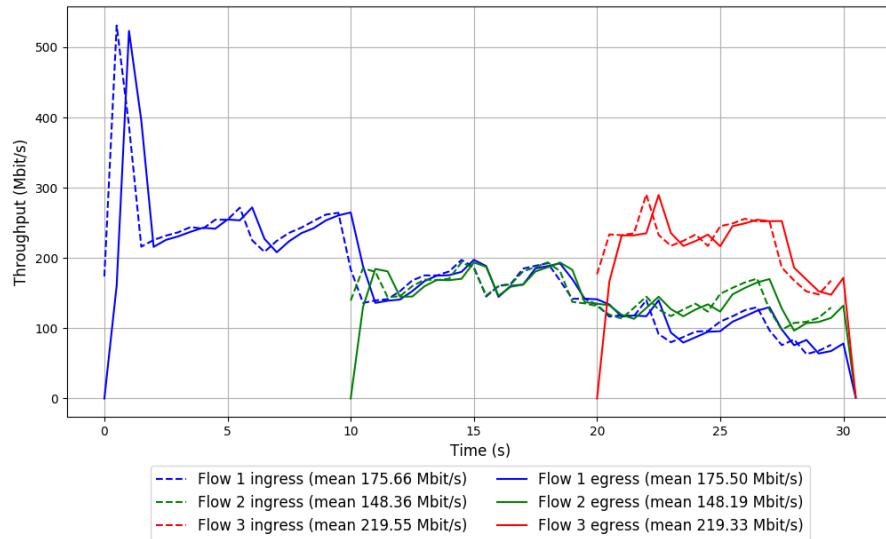


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-24 17:48:59
End at: 2018-05-24 17:49:29
Local clock offset: 0.619 ms
Remote clock offset: 0.245 ms

# Below is generated by plot.py at 2018-05-24 19:08:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.98 Mbit/s
95th percentile per-packet one-way delay: 23.432 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 175.50 Mbit/s
95th percentile per-packet one-way delay: 23.524 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 148.19 Mbit/s
95th percentile per-packet one-way delay: 22.393 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 219.33 Mbit/s
95th percentile per-packet one-way delay: 26.462 ms
Loss rate: 0.10%
```

Run 10: Report of TCP Cubic — Data Link

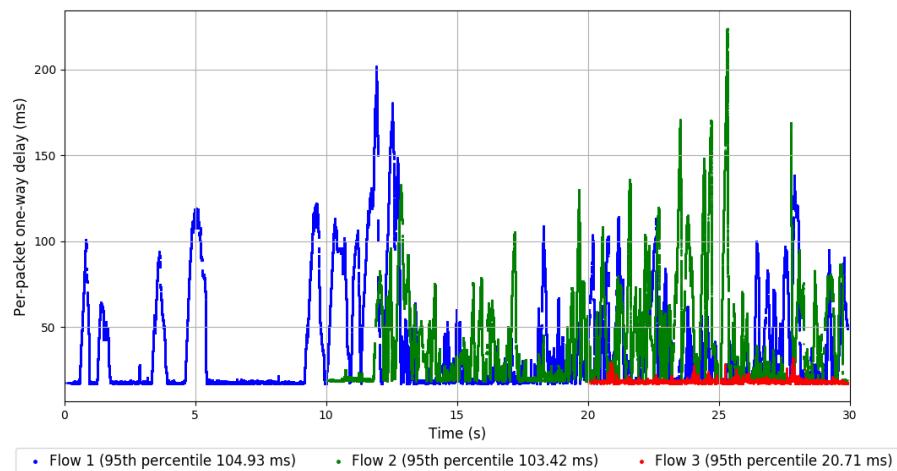
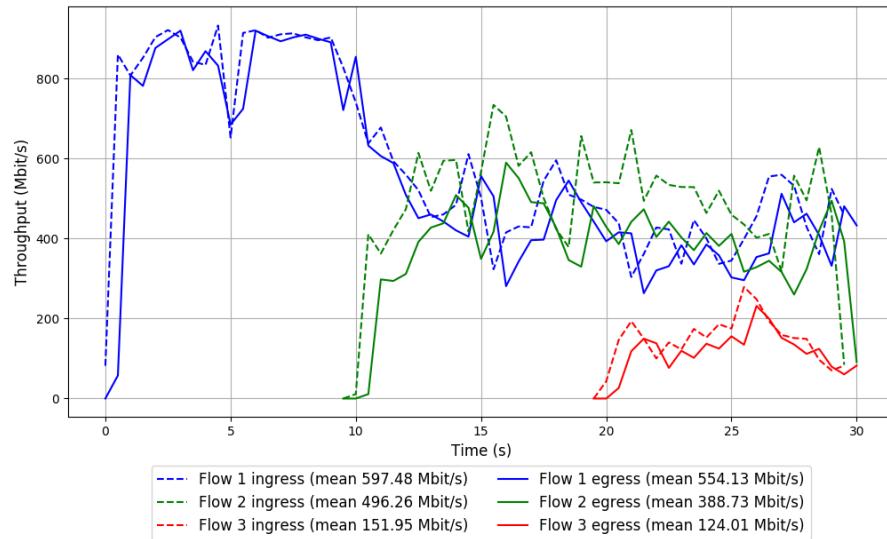


```
Run 1: Statistics of FillP

Start at: 2018-05-24 14:05:04
End at: 2018-05-24 14:05:34
Local clock offset: 0.375 ms
Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2018-05-24 19:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 854.16 Mbit/s
95th percentile per-packet one-way delay: 103.476 ms
Loss rate: 12.69%
-- Flow 1:
Average throughput: 554.13 Mbit/s
95th percentile per-packet one-way delay: 104.931 ms
Loss rate: 7.25%
-- Flow 2:
Average throughput: 388.73 Mbit/s
95th percentile per-packet one-way delay: 103.422 ms
Loss rate: 21.67%
-- Flow 3:
Average throughput: 124.01 Mbit/s
95th percentile per-packet one-way delay: 20.707 ms
Loss rate: 18.39%
```

## Run 1: Report of FillP — Data Link

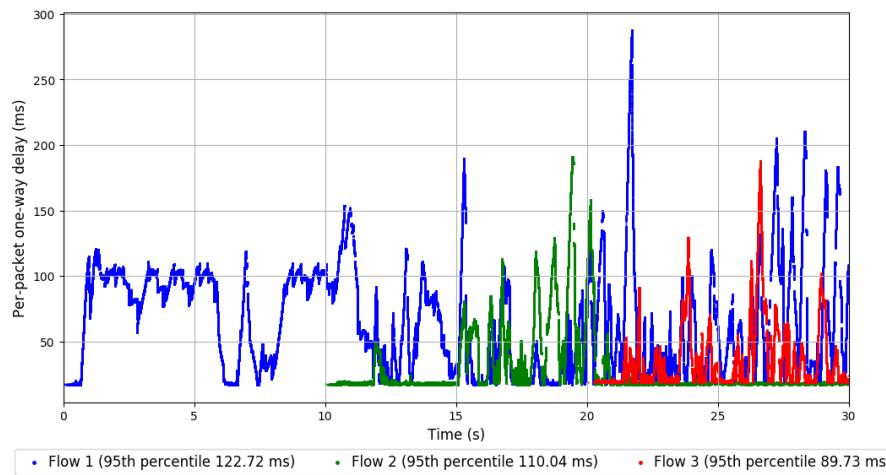
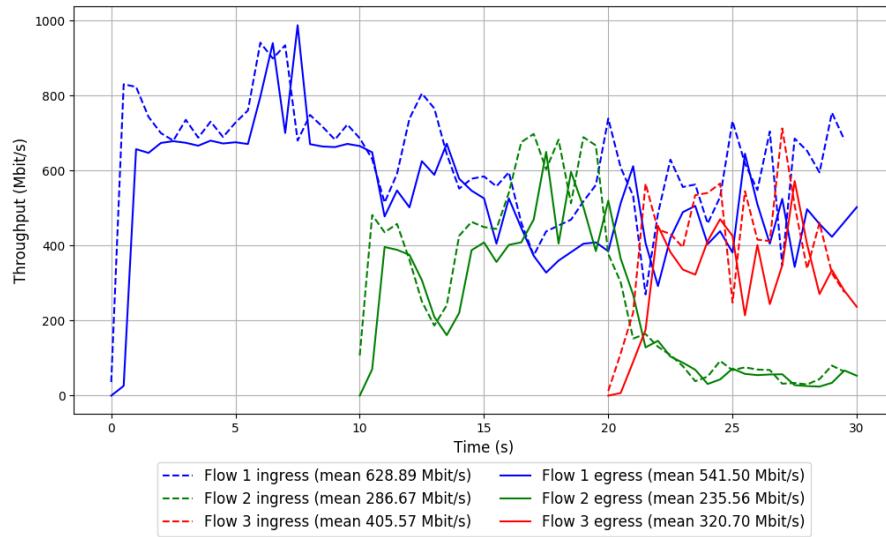


Run 2: Statistics of FillP

```
Start at: 2018-05-24 14:31:06
End at: 2018-05-24 14:31:36
Local clock offset: 0.481 ms
Remote clock offset: 0.673 ms

# Below is generated by plot.py at 2018-05-24 19:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 804.68 Mbit/s
95th percentile per-packet one-way delay: 117.504 ms
Loss rate: 15.67%
-- Flow 1:
Average throughput: 541.50 Mbit/s
95th percentile per-packet one-way delay: 122.720 ms
Loss rate: 13.89%
-- Flow 2:
Average throughput: 235.56 Mbit/s
95th percentile per-packet one-way delay: 110.038 ms
Loss rate: 17.82%
-- Flow 3:
Average throughput: 320.70 Mbit/s
95th percentile per-packet one-way delay: 89.735 ms
Loss rate: 20.89%
```

## Run 2: Report of FillP — Data Link

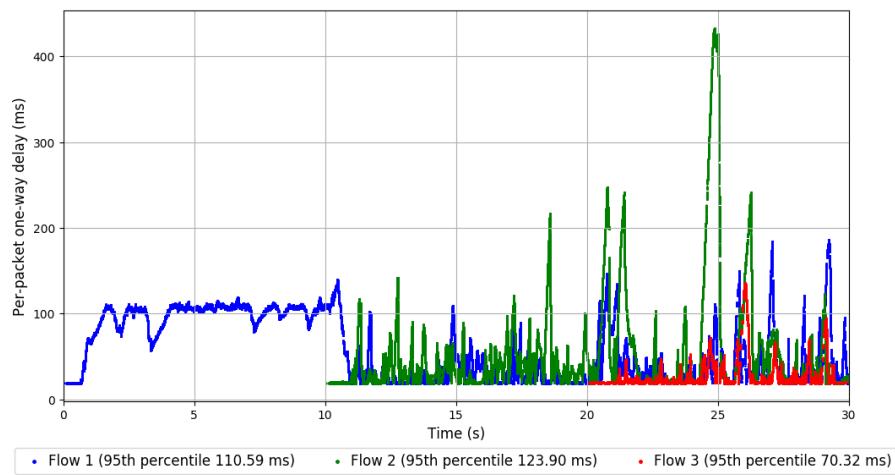
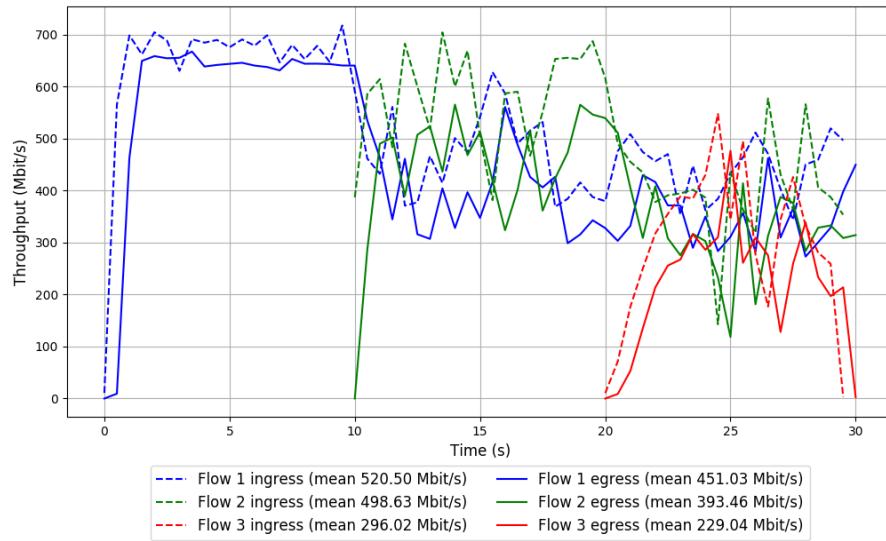


Run 3: Statistics of FillP

```
Start at: 2018-05-24 14:57:04
End at: 2018-05-24 14:57:34
Local clock offset: 0.189 ms
Remote clock offset: 1.247 ms

# Below is generated by plot.py at 2018-05-24 19:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.82 Mbit/s
95th percentile per-packet one-way delay: 110.617 ms
Loss rate: 17.00%
-- Flow 1:
Average throughput: 451.03 Mbit/s
95th percentile per-packet one-way delay: 110.594 ms
Loss rate: 13.34%
-- Flow 2:
Average throughput: 393.46 Mbit/s
95th percentile per-packet one-way delay: 123.900 ms
Loss rate: 21.08%
-- Flow 3:
Average throughput: 229.04 Mbit/s
95th percentile per-packet one-way delay: 70.324 ms
Loss rate: 22.62%
```

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

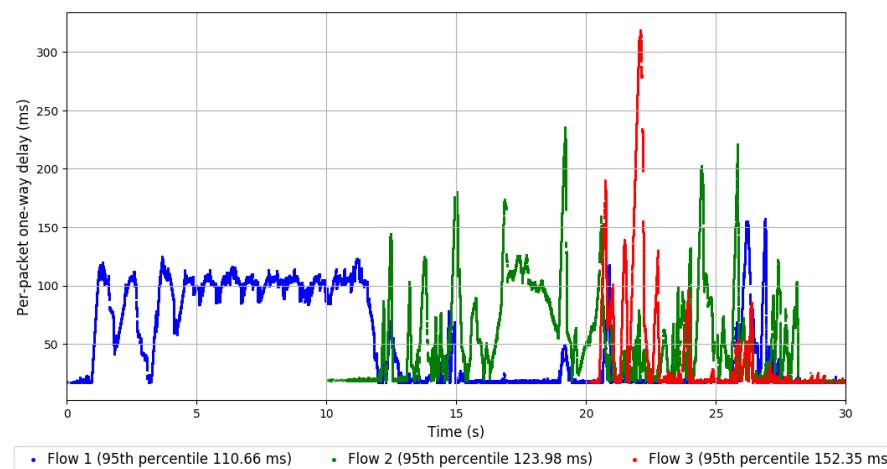
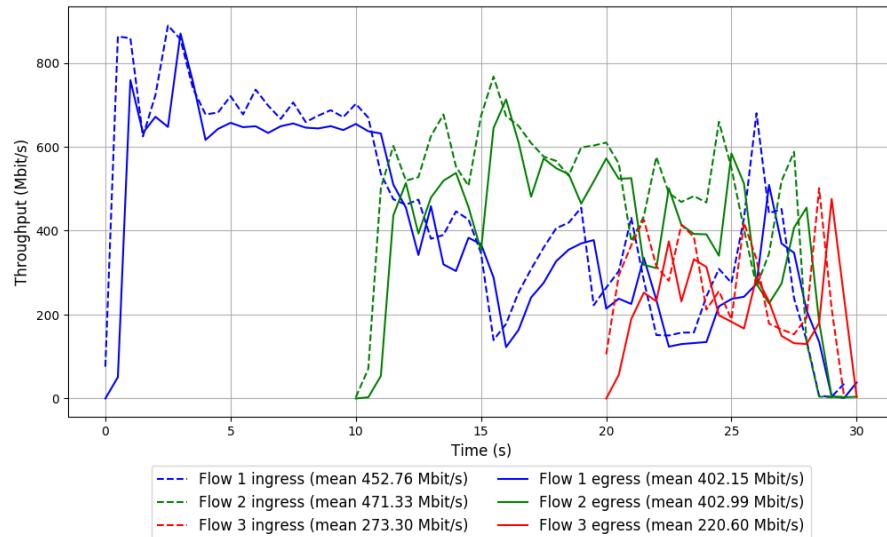


Run 4: Statistics of FillP

```
Start at: 2018-05-24 15:23:14
End at: 2018-05-24 15:23:44
Local clock offset: 0.174 ms
Remote clock offset: 0.648 ms

# Below is generated by plot.py at 2018-05-24 19:17:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 742.91 Mbit/s
95th percentile per-packet one-way delay: 115.184 ms
Loss rate: 13.25%
-- Flow 1:
Average throughput: 402.15 Mbit/s
95th percentile per-packet one-way delay: 110.664 ms
Loss rate: 11.18%
-- Flow 2:
Average throughput: 402.99 Mbit/s
95th percentile per-packet one-way delay: 123.977 ms
Loss rate: 14.50%
-- Flow 3:
Average throughput: 220.60 Mbit/s
95th percentile per-packet one-way delay: 152.355 ms
Loss rate: 19.28%
```

## Run 4: Report of FillP — Data Link

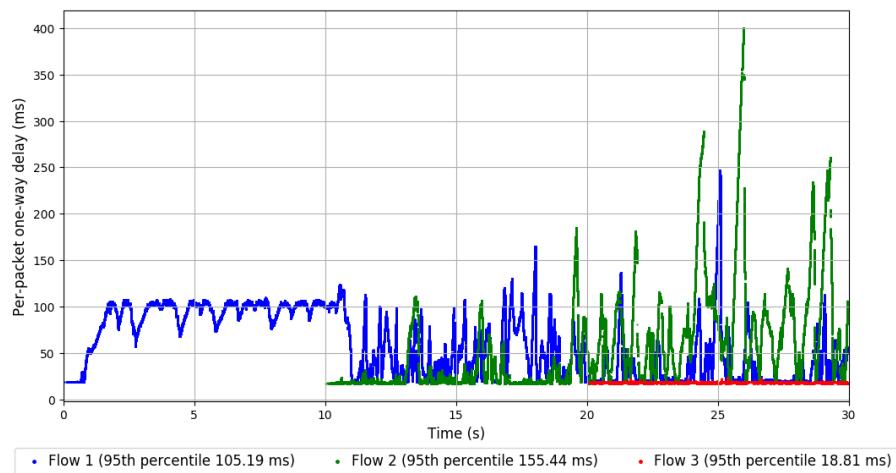
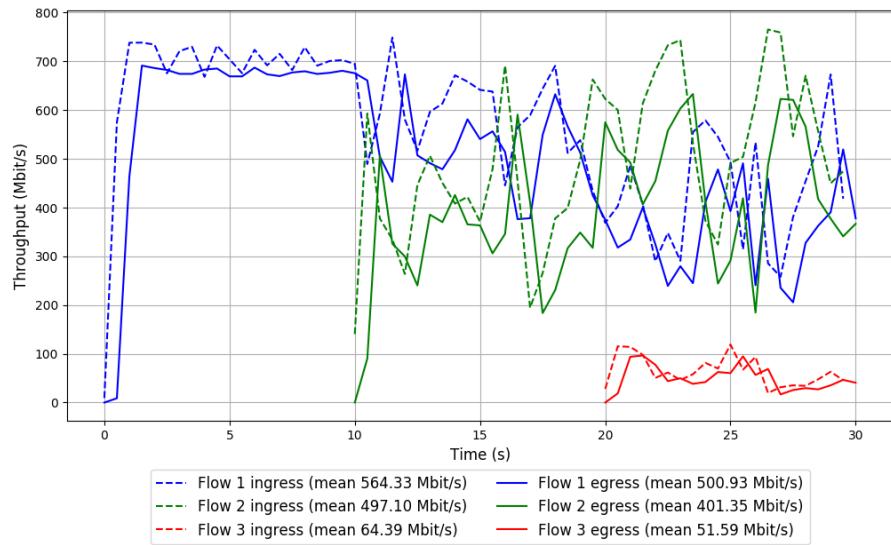


```
Run 5: Statistics of FillP

Start at: 2018-05-24 15:48:49
End at: 2018-05-24 15:49:19
Local clock offset: 0.306 ms
Remote clock offset: 0.188 ms

# Below is generated by plot.py at 2018-05-24 19:17:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.35 Mbit/s
95th percentile per-packet one-way delay: 110.167 ms
Loss rate: 14.33%
-- Flow 1:
Average throughput: 500.93 Mbit/s
95th percentile per-packet one-way delay: 105.194 ms
Loss rate: 11.24%
-- Flow 2:
Average throughput: 401.35 Mbit/s
95th percentile per-packet one-way delay: 155.438 ms
Loss rate: 19.25%
-- Flow 3:
Average throughput: 51.59 Mbit/s
95th percentile per-packet one-way delay: 18.814 ms
Loss rate: 19.89%
```

Run 5: Report of FillP — Data Link

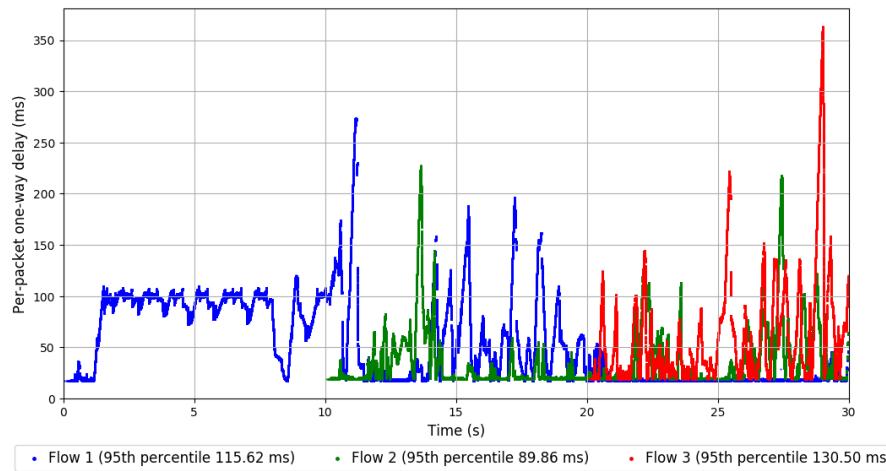
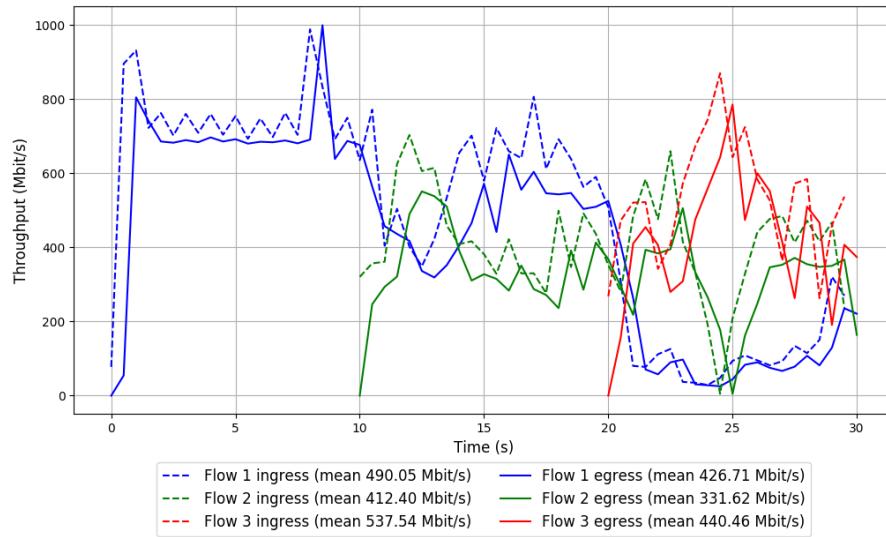


Run 6: Statistics of FillP

```
Start at: 2018-05-24 16:14:42
End at: 2018-05-24 16:15:12
Local clock offset: 0.114 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-05-24 19:18:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 793.13 Mbit/s
95th percentile per-packet one-way delay: 114.200 ms
Loss rate: 15.83%
-- Flow 1:
Average throughput: 426.71 Mbit/s
95th percentile per-packet one-way delay: 115.625 ms
Loss rate: 12.92%
-- Flow 2:
Average throughput: 331.62 Mbit/s
95th percentile per-packet one-way delay: 89.863 ms
Loss rate: 19.59%
-- Flow 3:
Average throughput: 440.46 Mbit/s
95th percentile per-packet one-way delay: 130.495 ms
Loss rate: 18.04%
```

## Run 6: Report of FillP — Data Link

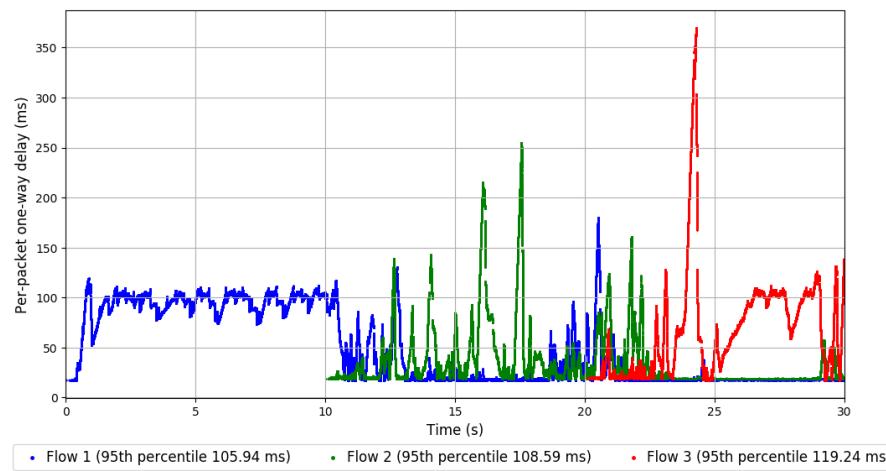
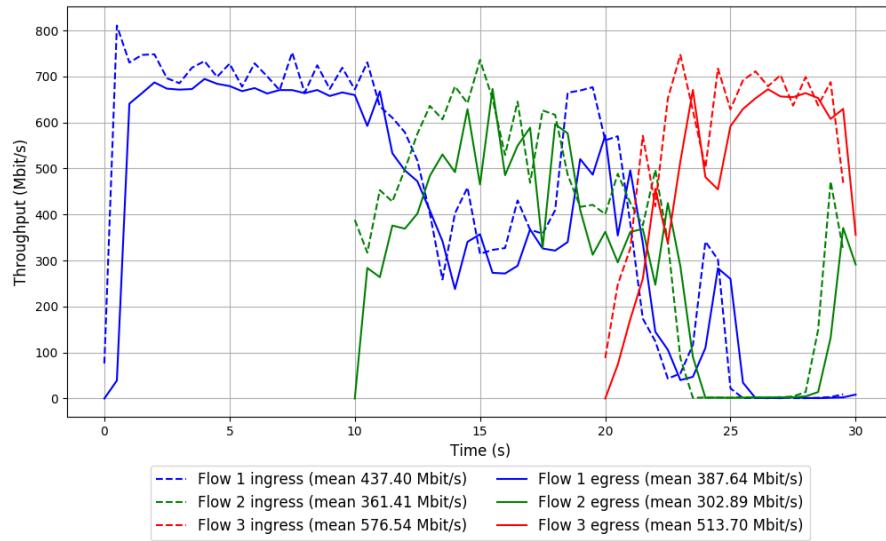


Run 7: Statistics of FillP

```
Start at: 2018-05-24 16:40:25
End at: 2018-05-24 16:40:55
Local clock offset: 0.109 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-05-24 19:19:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 759.39 Mbit/s
95th percentile per-packet one-way delay: 107.016 ms
Loss rate: 12.61%
-- Flow 1:
Average throughput: 387.64 Mbit/s
95th percentile per-packet one-way delay: 105.940 ms
Loss rate: 11.38%
-- Flow 2:
Average throughput: 302.89 Mbit/s
95th percentile per-packet one-way delay: 108.592 ms
Loss rate: 16.19%
-- Flow 3:
Average throughput: 513.70 Mbit/s
95th percentile per-packet one-way delay: 119.238 ms
Loss rate: 10.91%
```

## Run 7: Report of FillP — Data Link

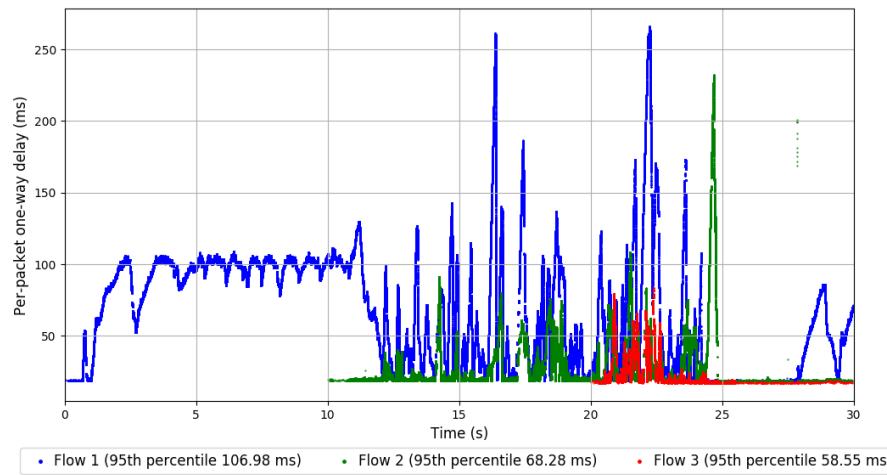
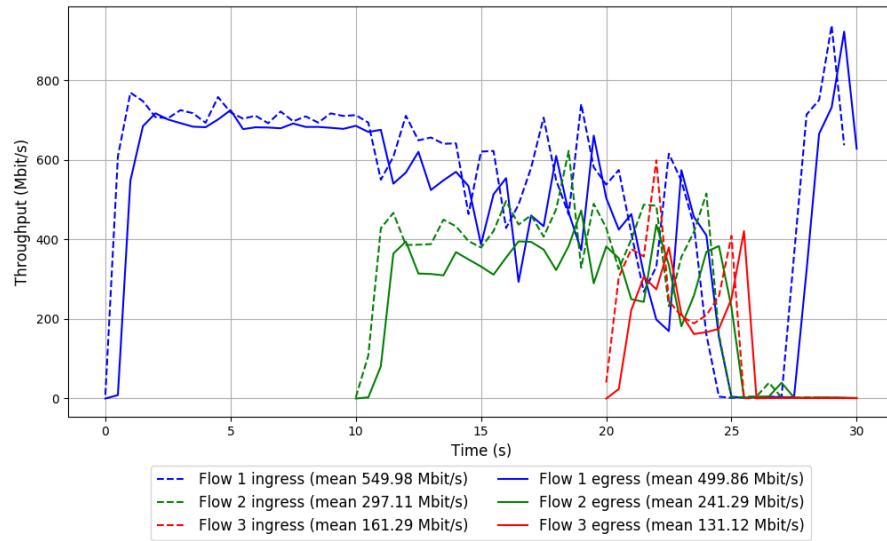


Run 8: Statistics of FillP

```
Start at: 2018-05-24 17:06:08
End at: 2018-05-24 17:06:38
Local clock offset: 0.247 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-05-24 19:21:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 703.94 Mbit/s
95th percentile per-packet one-way delay: 104.722 ms
Loss rate: 12.14%
-- Flow 1:
Average throughput: 499.86 Mbit/s
95th percentile per-packet one-way delay: 106.981 ms
Loss rate: 9.11%
-- Flow 2:
Average throughput: 241.29 Mbit/s
95th percentile per-packet one-way delay: 68.278 ms
Loss rate: 18.79%
-- Flow 3:
Average throughput: 131.12 Mbit/s
95th percentile per-packet one-way delay: 58.547 ms
Loss rate: 18.71%
```

Run 8: Report of FillP — Data Link

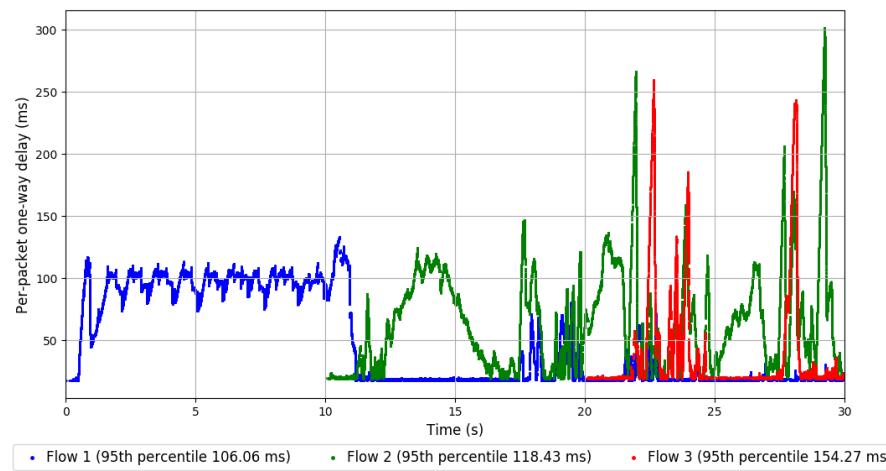
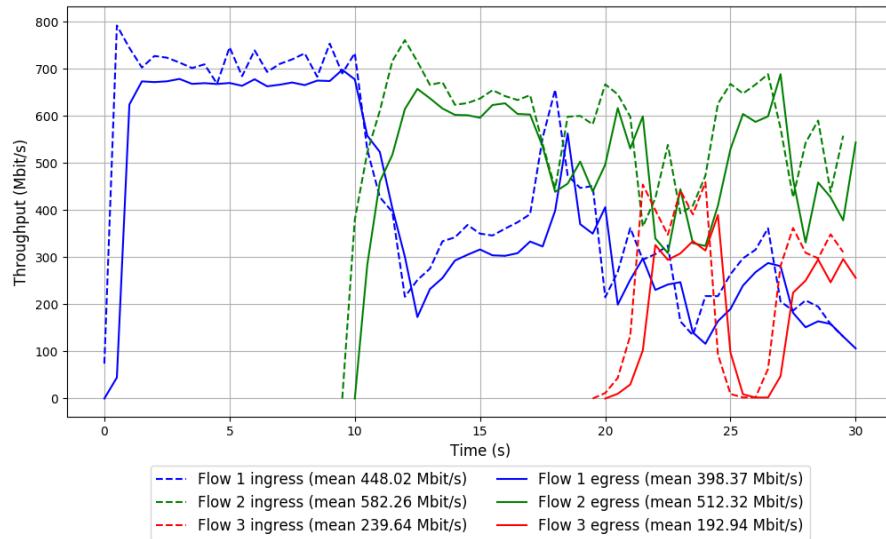


Run 9: Statistics of FillP

```
Start at: 2018-05-24 17:32:00
End at: 2018-05-24 17:32:30
Local clock offset: 0.312 ms
Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2018-05-24 19:30:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.69 Mbit/s
95th percentile per-packet one-way delay: 113.396 ms
Loss rate: 12.20%
-- Flow 1:
Average throughput: 398.37 Mbit/s
95th percentile per-packet one-way delay: 106.057 ms
Loss rate: 11.08%
-- Flow 2:
Average throughput: 512.32 Mbit/s
95th percentile per-packet one-way delay: 118.429 ms
Loss rate: 12.00%
-- Flow 3:
Average throughput: 192.94 Mbit/s
95th percentile per-packet one-way delay: 154.274 ms
Loss rate: 19.48%
```

## Run 9: Report of FillP — Data Link

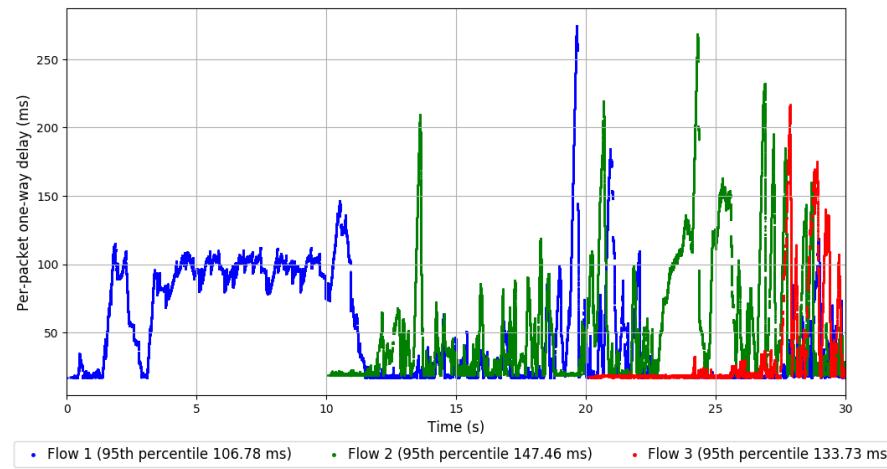
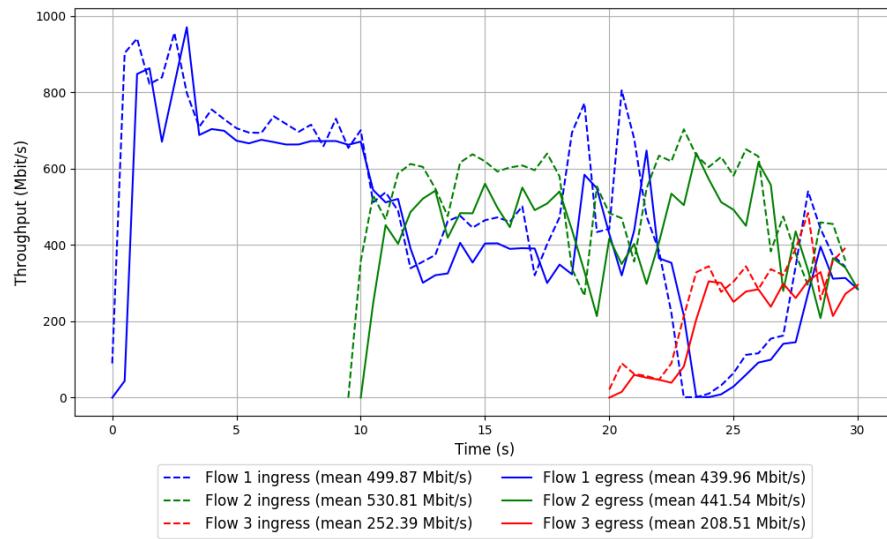


Run 10: Statistics of FillP

```
Start at: 2018-05-24 17:57:27
End at: 2018-05-24 17:57:57
Local clock offset: 0.665 ms
Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.05 Mbit/s
95th percentile per-packet one-way delay: 123.884 ms
Loss rate: 14.29%
-- Flow 1:
Average throughput: 439.96 Mbit/s
95th percentile per-packet one-way delay: 106.780 ms
Loss rate: 11.98%
-- Flow 2:
Average throughput: 441.54 Mbit/s
95th percentile per-packet one-way delay: 147.457 ms
Loss rate: 16.82%
-- Flow 3:
Average throughput: 208.51 Mbit/s
95th percentile per-packet one-way delay: 133.731 ms
Loss rate: 17.39%
```

## Run 10: Report of FillP — Data Link

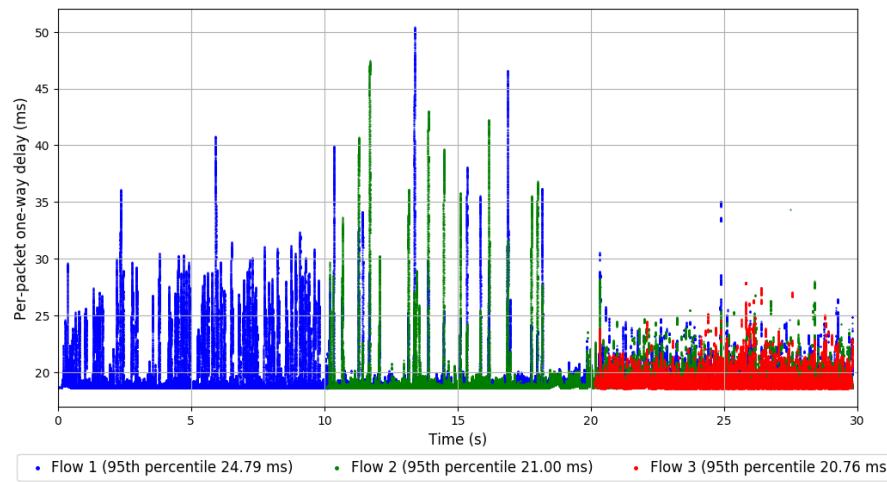
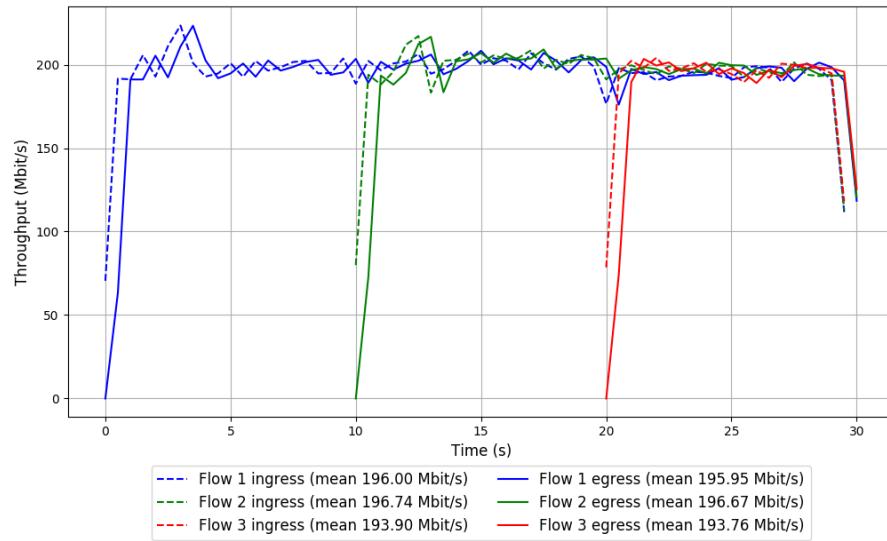


Run 1: Statistics of Indigo

```
Start at: 2018-05-24 13:51:29
End at: 2018-05-24 13:51:59
Local clock offset: 0.245 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.98 Mbit/s
95th percentile per-packet one-way delay: 22.897 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 195.95 Mbit/s
95th percentile per-packet one-way delay: 24.789 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 196.67 Mbit/s
95th percentile per-packet one-way delay: 20.997 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 193.76 Mbit/s
95th percentile per-packet one-way delay: 20.758 ms
Loss rate: 0.05%
```

Run 1: Report of Indigo — Data Link

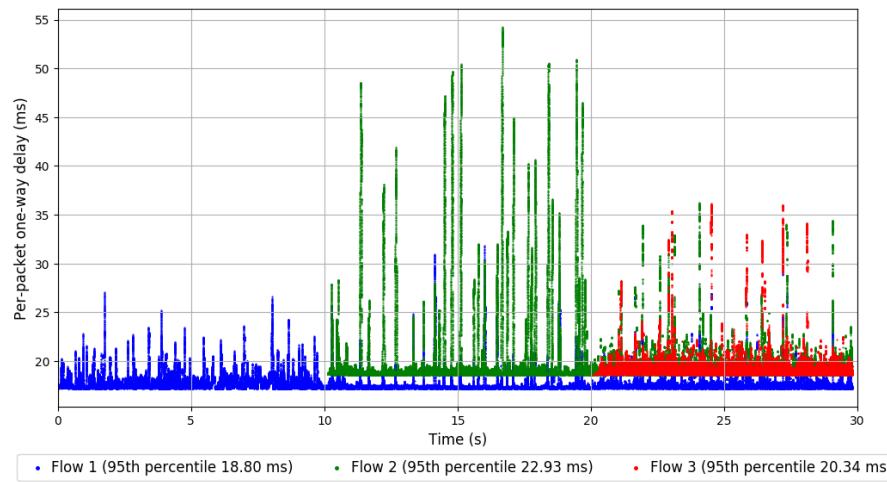
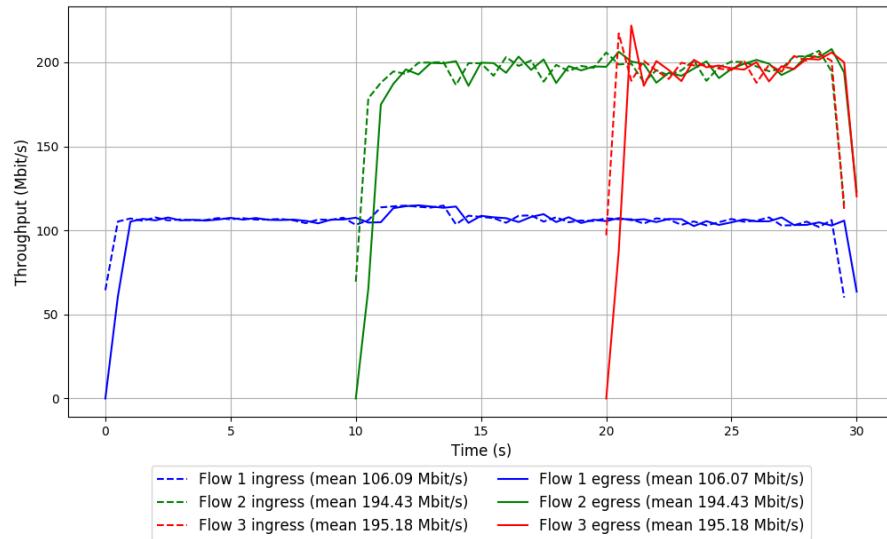


Run 2: Statistics of Indigo

```
Start at: 2018-05-24 14:17:33
End at: 2018-05-24 14:18:03
Local clock offset: 0.486 ms
Remote clock offset: 0.378 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 298.00 Mbit/s
95th percentile per-packet one-way delay: 20.435 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 106.07 Mbit/s
95th percentile per-packet one-way delay: 18.796 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 194.43 Mbit/s
95th percentile per-packet one-way delay: 22.931 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 195.18 Mbit/s
95th percentile per-packet one-way delay: 20.340 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

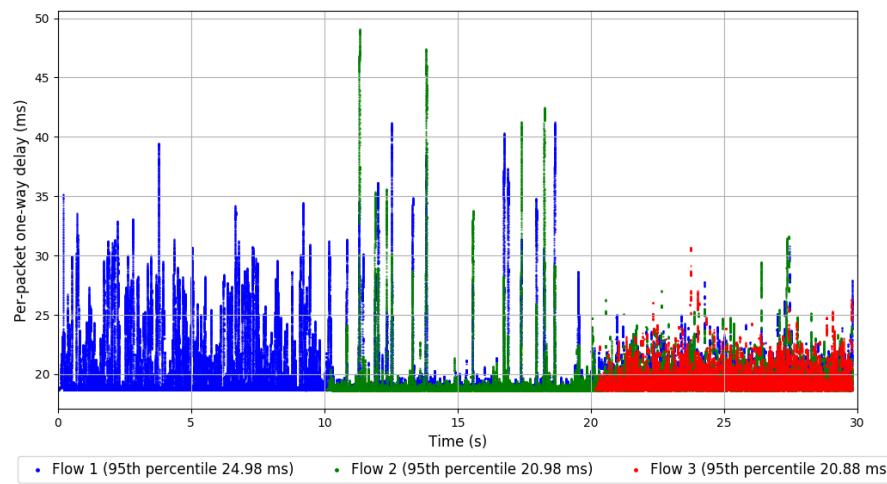
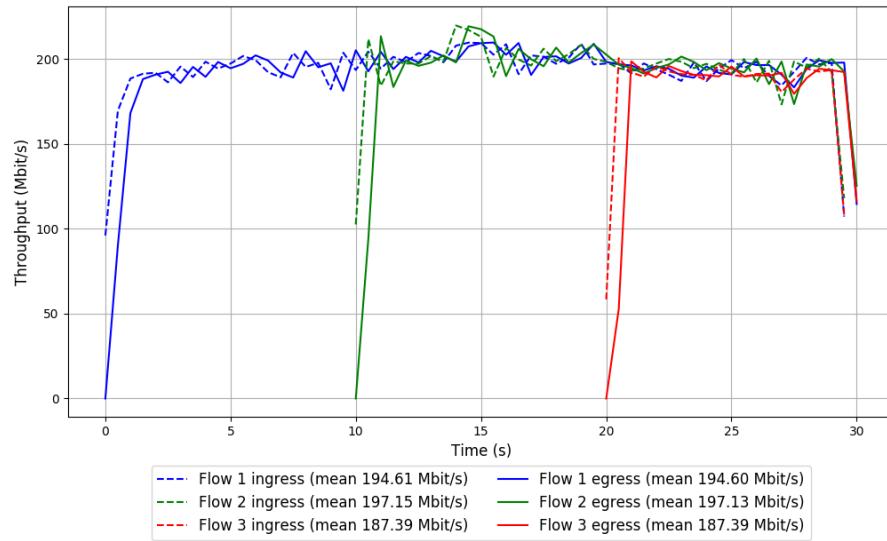


Run 3: Statistics of Indigo

```
Start at: 2018-05-24 14:43:40
End at: 2018-05-24 14:44:10
Local clock offset: 0.25 ms
Remote clock offset: 0.923 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.63 Mbit/s
95th percentile per-packet one-way delay: 22.575 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 194.60 Mbit/s
95th percentile per-packet one-way delay: 24.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.13 Mbit/s
95th percentile per-packet one-way delay: 20.984 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 187.39 Mbit/s
95th percentile per-packet one-way delay: 20.878 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

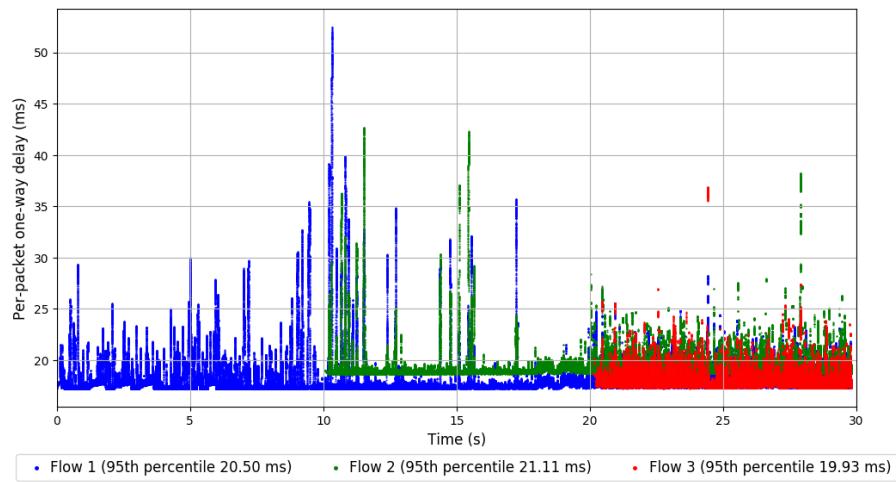
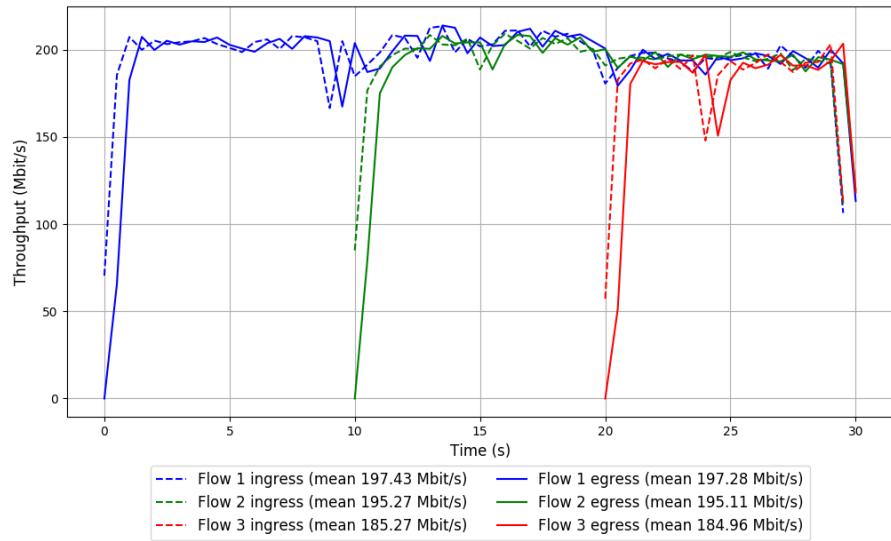


Run 4: Statistics of Indigo

```
Start at: 2018-05-24 15:09:31
End at: 2018-05-24 15:10:01
Local clock offset: 0.229 ms
Remote clock offset: 1.544 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.51 Mbit/s
95th percentile per-packet one-way delay: 20.632 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 197.28 Mbit/s
95th percentile per-packet one-way delay: 20.503 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 195.11 Mbit/s
95th percentile per-packet one-way delay: 21.112 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 184.96 Mbit/s
95th percentile per-packet one-way delay: 19.928 ms
Loss rate: 0.18%
```

Run 4: Report of Indigo — Data Link

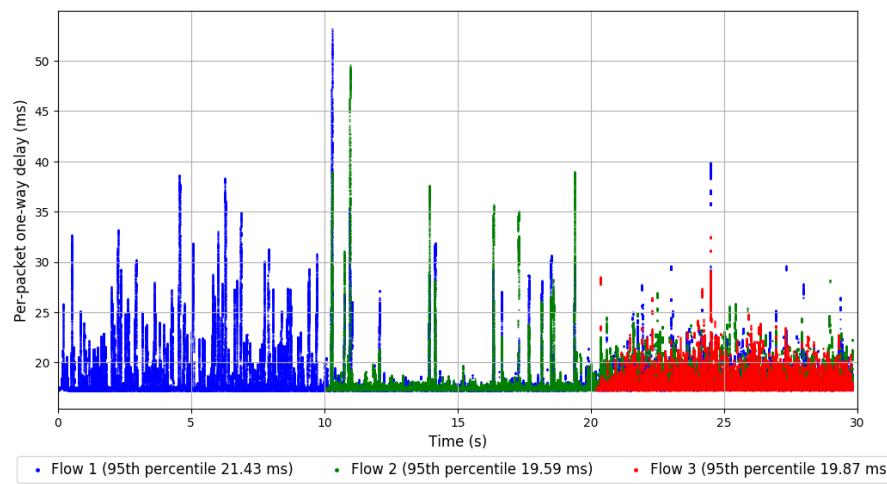
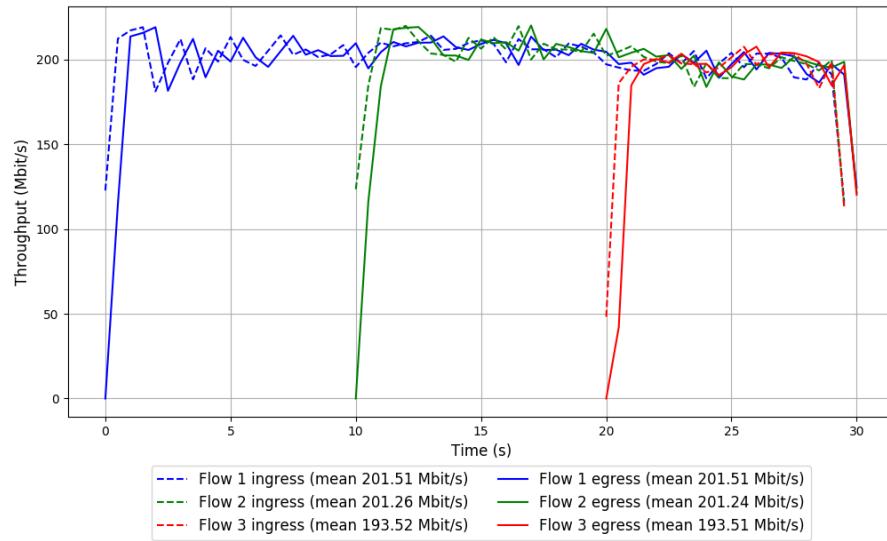


Run 5: Statistics of Indigo

```
Start at: 2018-05-24 15:35:21
End at: 2018-05-24 15:35:51
Local clock offset: 0.304 ms
Remote clock offset: 0.528 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.39 Mbit/s
95th percentile per-packet one-way delay: 20.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.51 Mbit/s
95th percentile per-packet one-way delay: 21.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.24 Mbit/s
95th percentile per-packet one-way delay: 19.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 193.51 Mbit/s
95th percentile per-packet one-way delay: 19.873 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

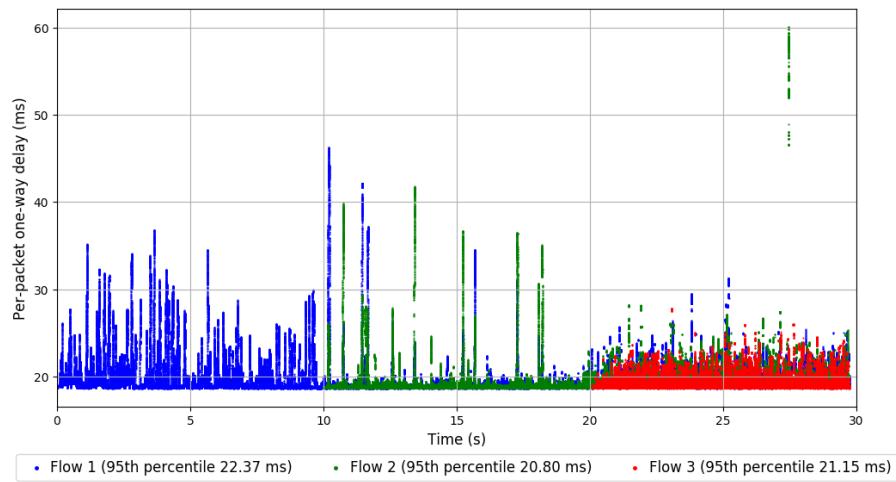
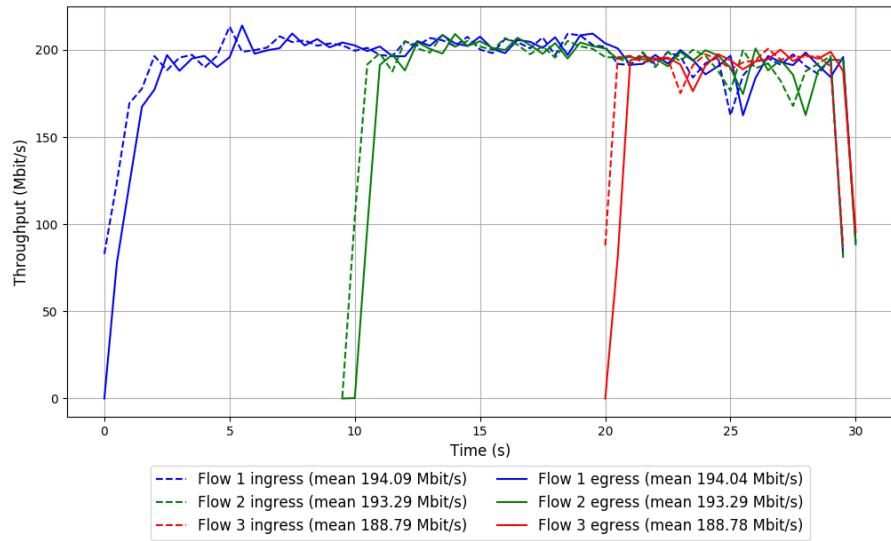


Run 6: Statistics of Indigo

```
Start at: 2018-05-24 16:01:06
End at: 2018-05-24 16:01:36
Local clock offset: 0.293 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.92 Mbit/s
95th percentile per-packet one-way delay: 21.536 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 194.04 Mbit/s
95th percentile per-packet one-way delay: 22.368 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 193.29 Mbit/s
95th percentile per-packet one-way delay: 20.804 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 188.78 Mbit/s
95th percentile per-packet one-way delay: 21.154 ms
Loss rate: 0.01%
```

Run 6: Report of Indigo — Data Link

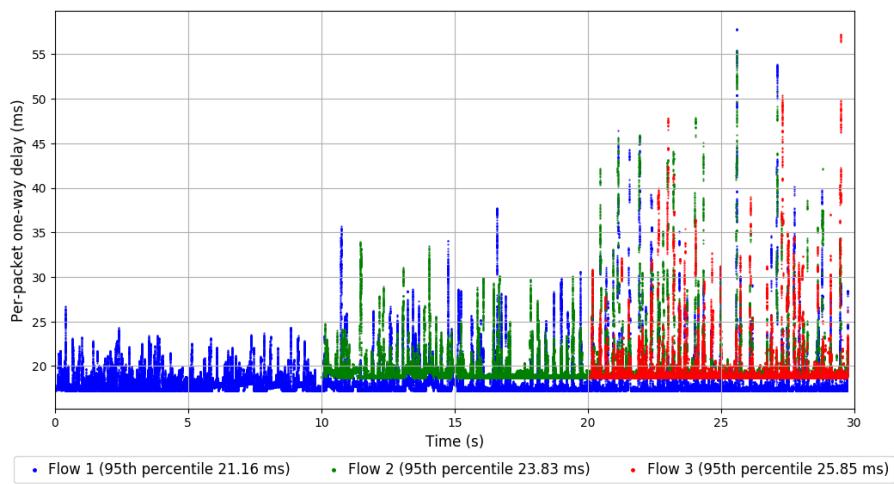
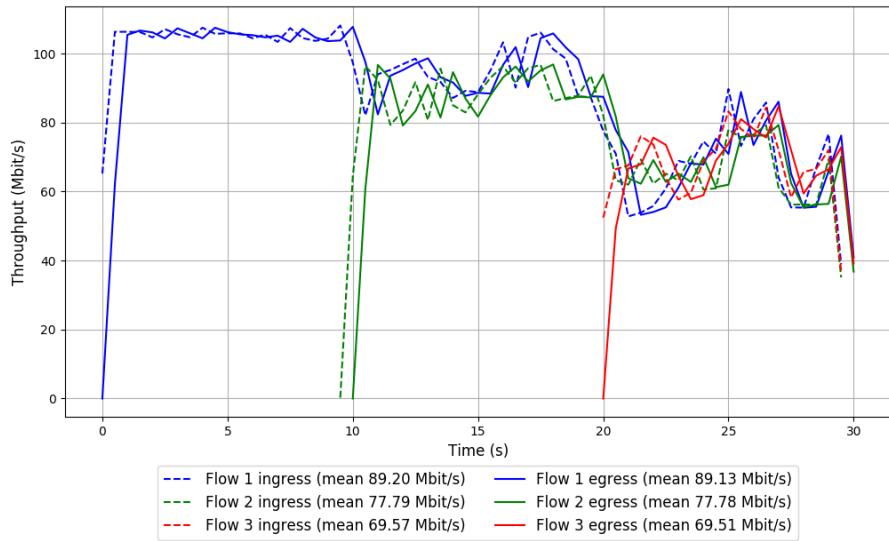


Run 7: Statistics of Indigo

```
Start at: 2018-05-24 16:27:08
End at: 2018-05-24 16:27:38
Local clock offset: 0.142 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 163.50 Mbit/s
95th percentile per-packet one-way delay: 22.518 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 21.160 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 23.826 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 25.853 ms
Loss rate: 0.01%
```

## Run 7: Report of Indigo — Data Link

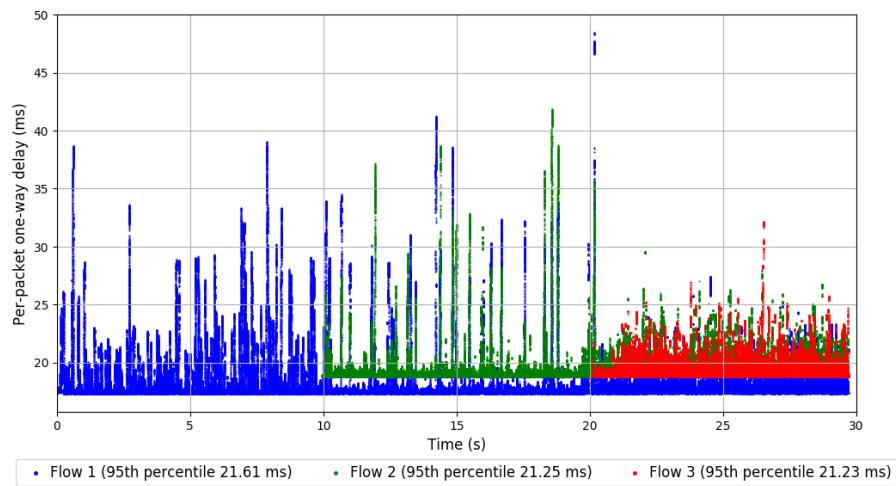
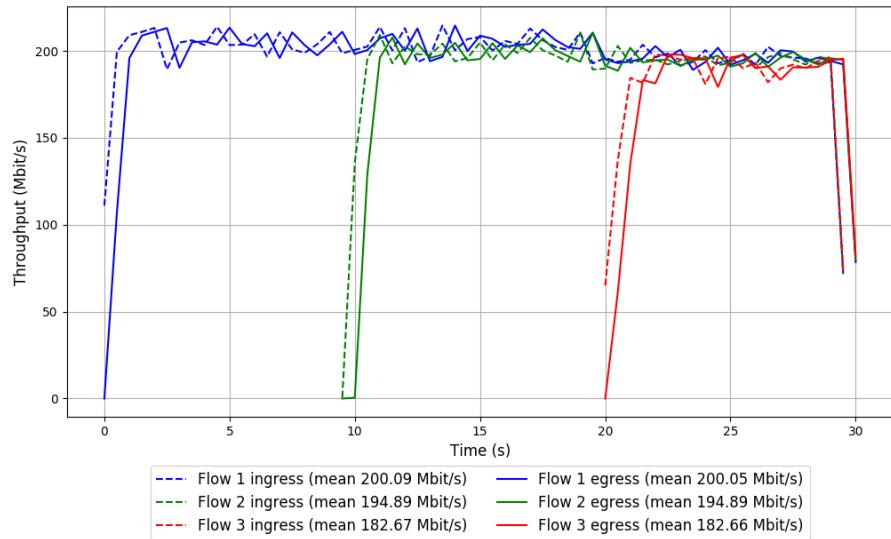


Run 8: Statistics of Indigo

```
Start at: 2018-05-24 16:52:42
End at: 2018-05-24 16:53:12
Local clock offset: 0.098 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 389.15 Mbit/s
95th percentile per-packet one-way delay: 21.364 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.05 Mbit/s
95th percentile per-packet one-way delay: 21.606 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 194.89 Mbit/s
95th percentile per-packet one-way delay: 21.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 182.66 Mbit/s
95th percentile per-packet one-way delay: 21.225 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

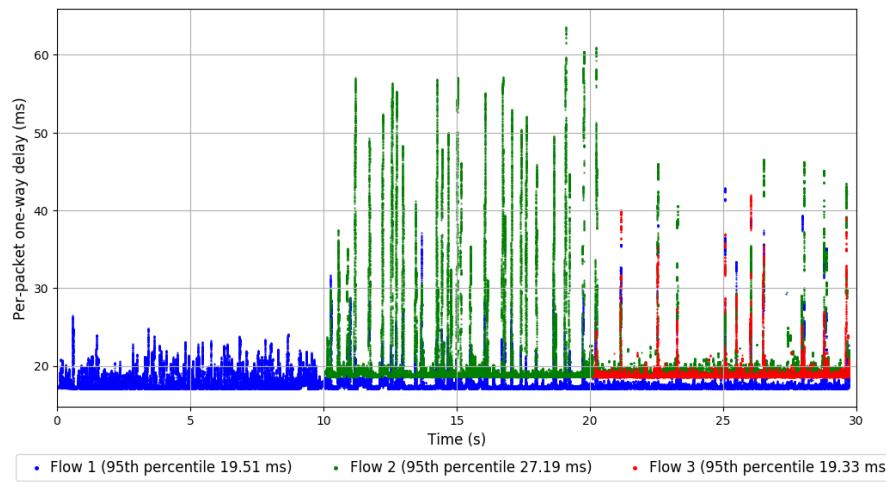
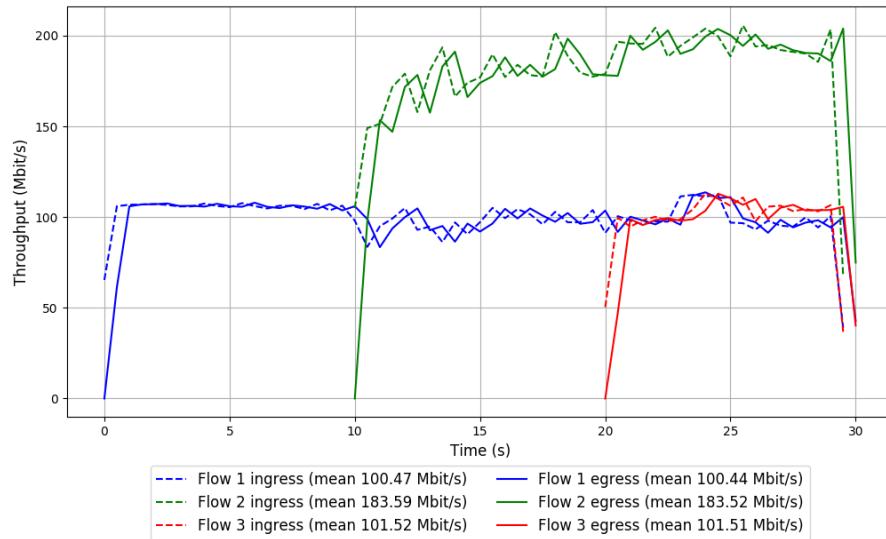


Run 9: Statistics of Indigo

```
Start at: 2018-05-24 17:18:26
End at: 2018-05-24 17:18:56
Local clock offset: 0.301 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.91 Mbit/s
95th percentile per-packet one-way delay: 20.725 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 100.44 Mbit/s
95th percentile per-packet one-way delay: 19.513 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.52 Mbit/s
95th percentile per-packet one-way delay: 27.192 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 101.51 Mbit/s
95th percentile per-packet one-way delay: 19.333 ms
Loss rate: 0.02%
```

## Run 9: Report of Indigo — Data Link

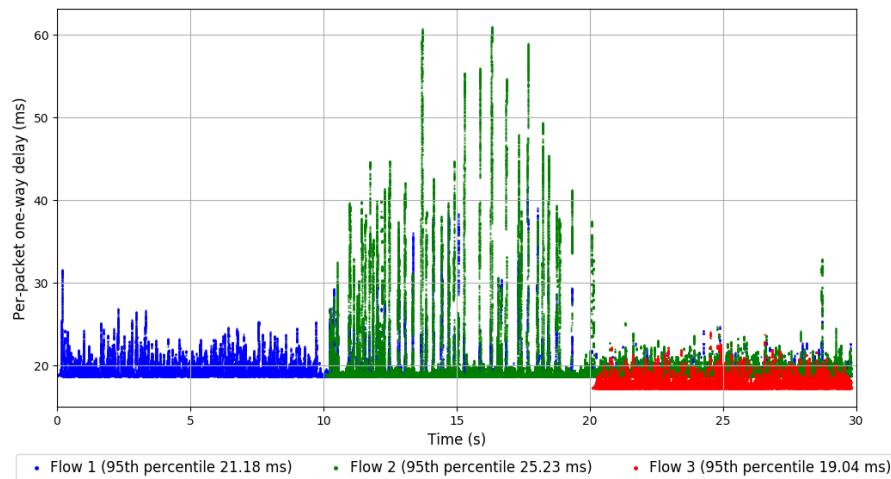
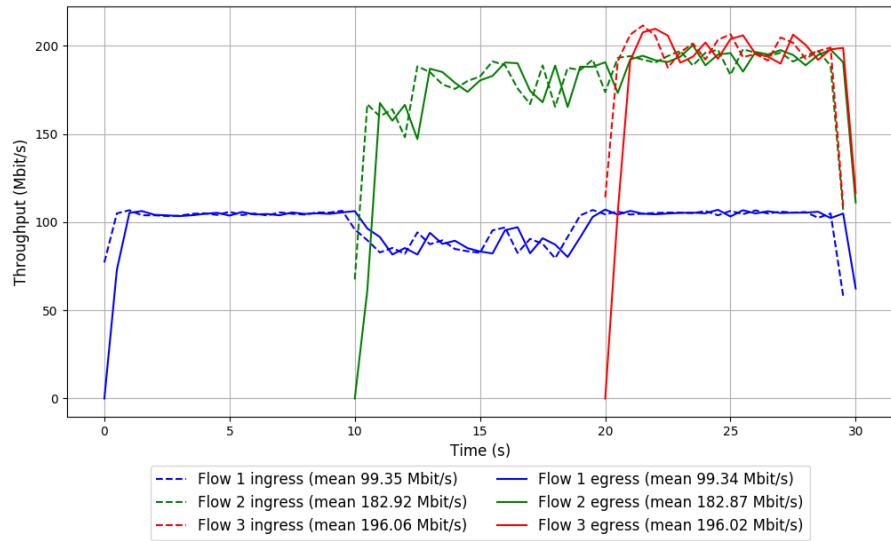


Run 10: Statistics of Indigo

```
Start at: 2018-05-24 17:44:13
End at: 2018-05-24 17:44:43
Local clock offset: 0.59 ms
Remote clock offset: 0.258 ms

# Below is generated by plot.py at 2018-05-24 19:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.02 Mbit/s
95th percentile per-packet one-way delay: 21.273 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.34 Mbit/s
95th percentile per-packet one-way delay: 21.179 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 182.87 Mbit/s
95th percentile per-packet one-way delay: 25.225 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 196.02 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.02%
```

Run 10: Report of Indigo — Data Link

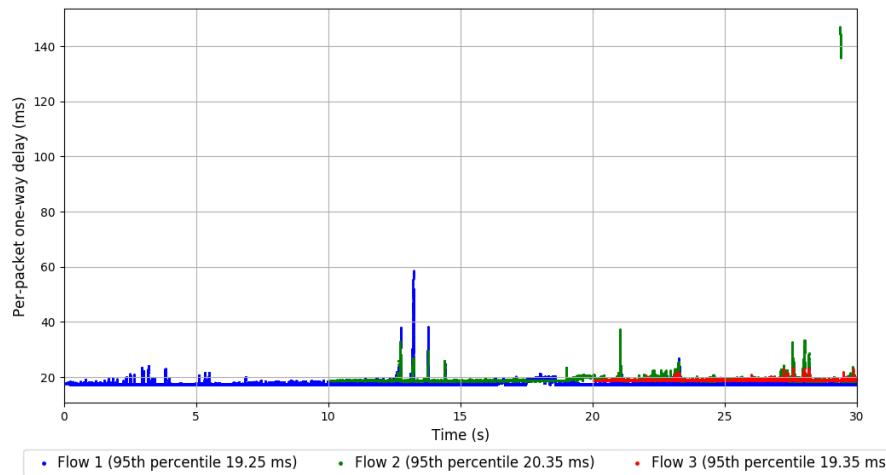
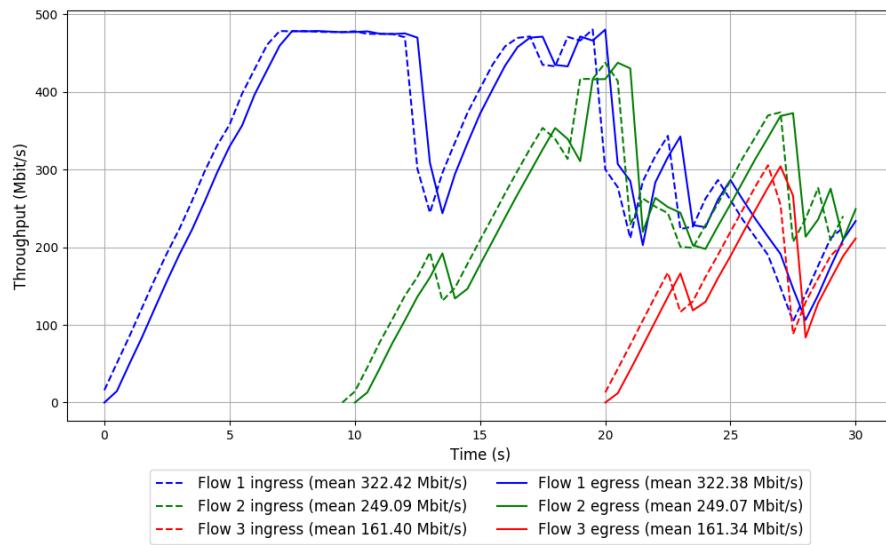


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-24 14:13:11
End at: 2018-05-24 14:13:41
Local clock offset: 0.456 ms
Remote clock offset: 0.296 ms

# Below is generated by plot.py at 2018-05-24 19:31:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 542.06 Mbit/s
95th percentile per-packet one-way delay: 19.673 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 322.38 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 249.07 Mbit/s
95th percentile per-packet one-way delay: 20.349 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 161.34 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.05%
```

Run 1: Report of LEDBAT — Data Link

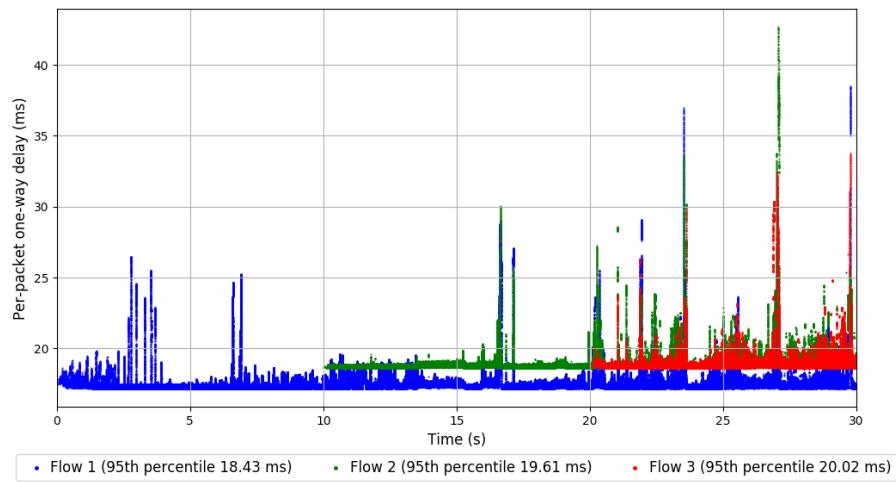
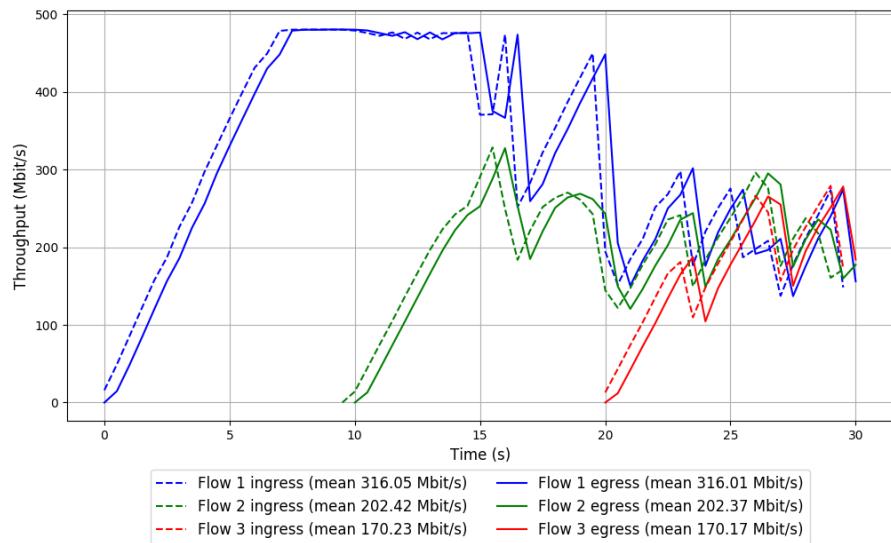


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-24 14:39:18
End at: 2018-05-24 14:39:48
Local clock offset: 0.296 ms
Remote clock offset: 0.842 ms

# Below is generated by plot.py at 2018-05-24 19:32:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 507.43 Mbit/s
95th percentile per-packet one-way delay: 19.212 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 316.01 Mbit/s
95th percentile per-packet one-way delay: 18.435 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 202.37 Mbit/s
95th percentile per-packet one-way delay: 19.615 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 170.17 Mbit/s
95th percentile per-packet one-way delay: 20.016 ms
Loss rate: 0.04%
```

Run 2: Report of LEDBAT — Data Link

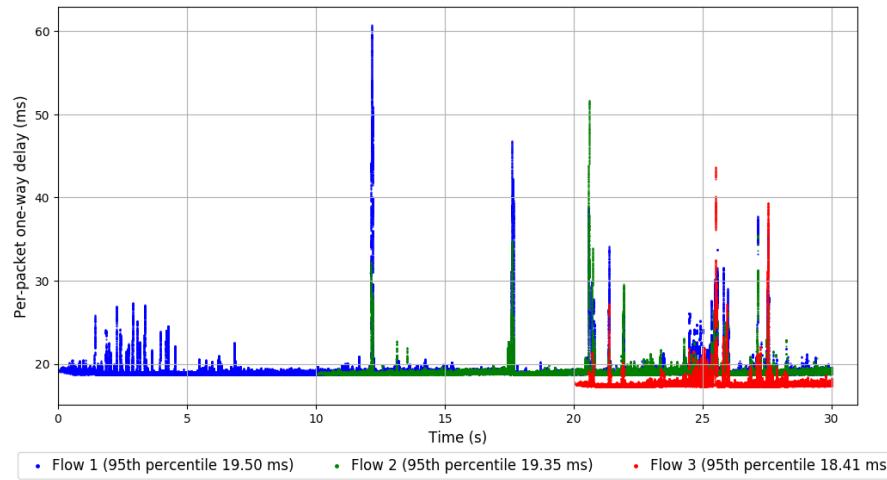
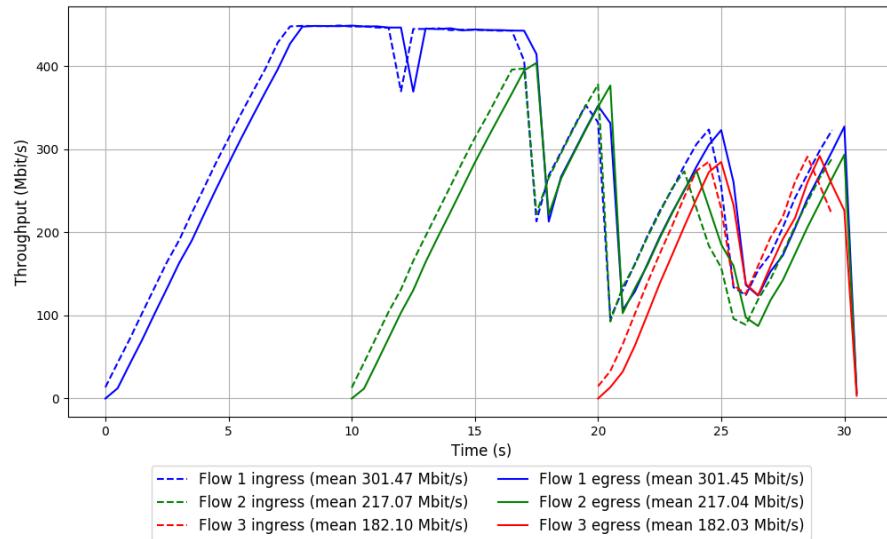


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-24 15:05:08
End at: 2018-05-24 15:05:38
Local clock offset: 0.129 ms
Remote clock offset: 1.409 ms

# Below is generated by plot.py at 2018-05-24 19:33:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 506.53 Mbit/s
95th percentile per-packet one-way delay: 19.404 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 301.45 Mbit/s
95th percentile per-packet one-way delay: 19.502 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 217.04 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 182.03 Mbit/s
95th percentile per-packet one-way delay: 18.408 ms
Loss rate: 0.04%
```

Run 3: Report of LEDBAT — Data Link

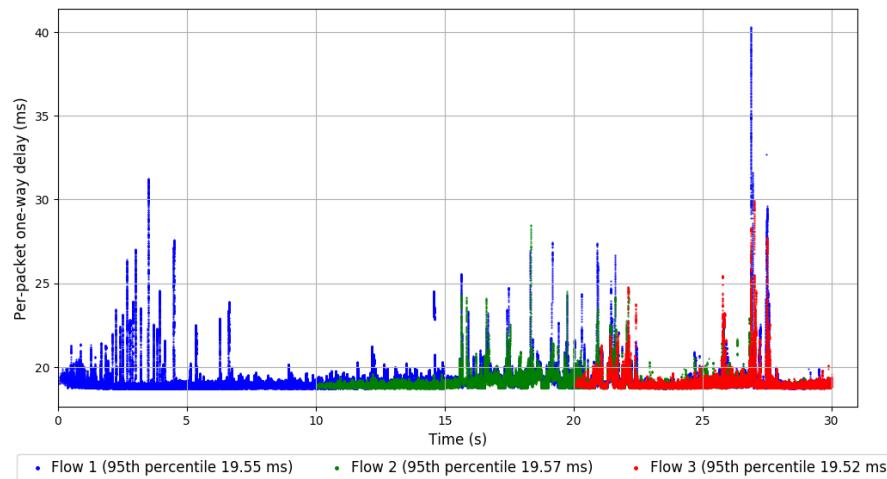
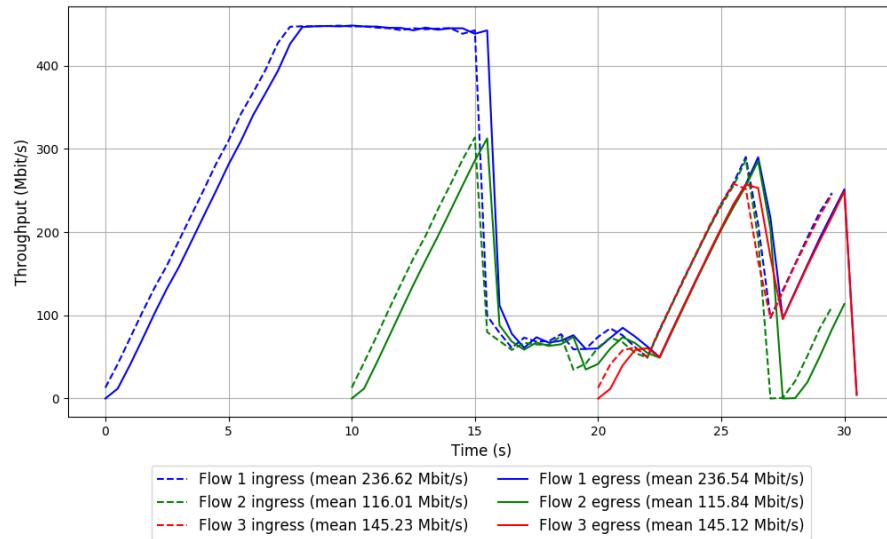


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-24 15:31:08
End at: 2018-05-24 15:31:38
Local clock offset: 0.261 ms
Remote clock offset: 0.599 ms

# Below is generated by plot.py at 2018-05-24 19:33:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.95 Mbit/s
95th percentile per-packet one-way delay: 19.549 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 236.54 Mbit/s
95th percentile per-packet one-way delay: 19.545 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 115.84 Mbit/s
95th percentile per-packet one-way delay: 19.573 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 145.12 Mbit/s
95th percentile per-packet one-way delay: 19.519 ms
Loss rate: 0.08%
```

Run 4: Report of LEDBAT — Data Link

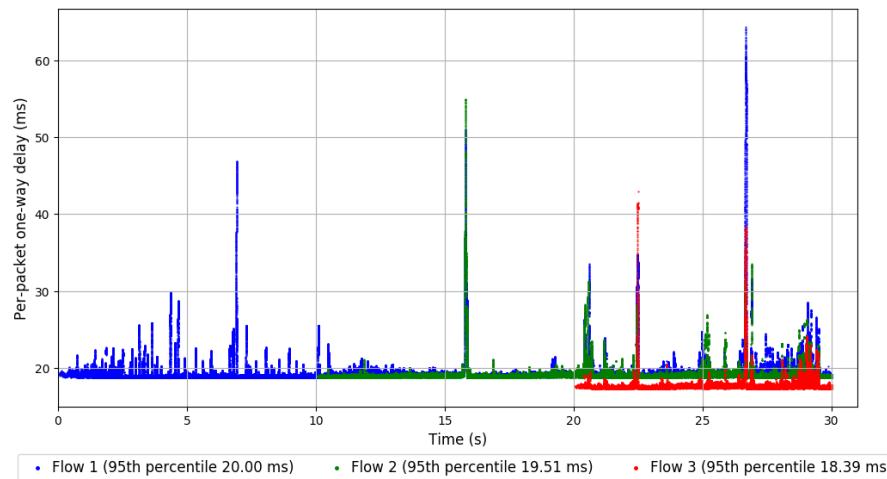
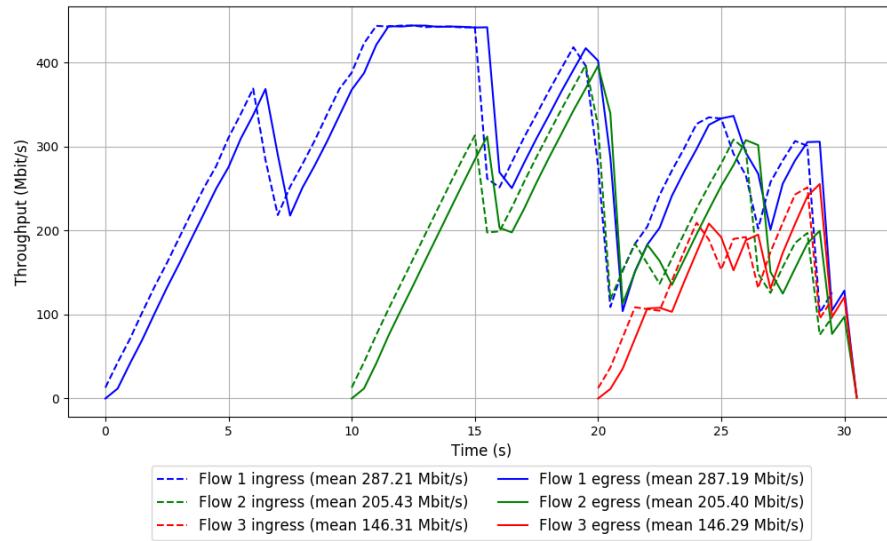


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-24 15:56:48
End at: 2018-05-24 15:57:18
Local clock offset: 0.31 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-05-24 19:34:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 472.65 Mbit/s
95th percentile per-packet one-way delay: 19.757 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 287.19 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 205.40 Mbit/s
95th percentile per-packet one-way delay: 19.511 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 146.29 Mbit/s
95th percentile per-packet one-way delay: 18.389 ms
Loss rate: 0.02%
```

Run 5: Report of LEDBAT — Data Link

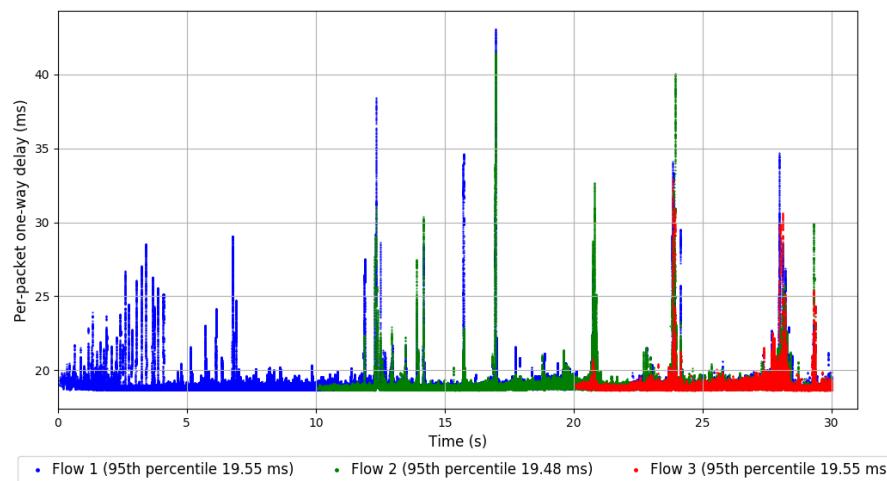
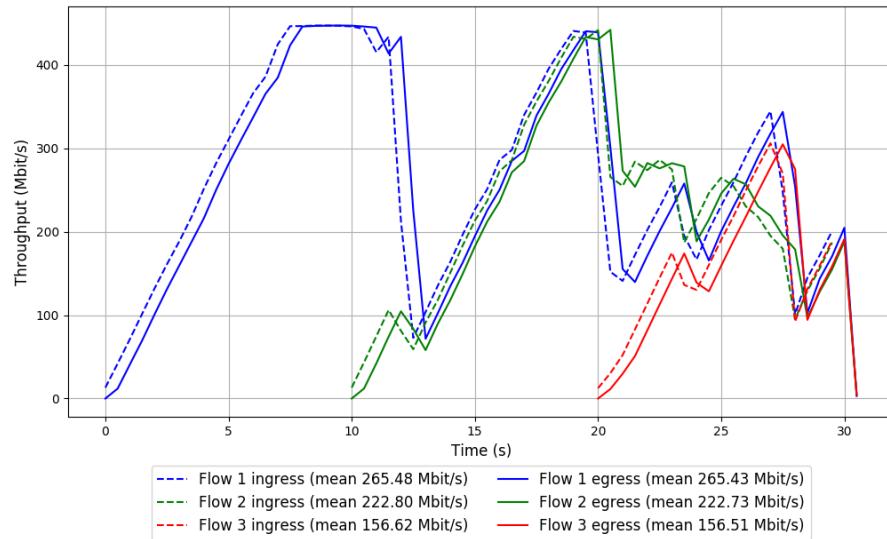


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-24 16:22:53
End at: 2018-05-24 16:23:23
Local clock offset: 0.149 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-05-24 19:34:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 465.80 Mbit/s
95th percentile per-packet one-way delay: 19.529 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 265.43 Mbit/s
95th percentile per-packet one-way delay: 19.546 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 222.73 Mbit/s
95th percentile per-packet one-way delay: 19.482 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 156.51 Mbit/s
95th percentile per-packet one-way delay: 19.554 ms
Loss rate: 0.07%
```

Run 6: Report of LEDBAT — Data Link

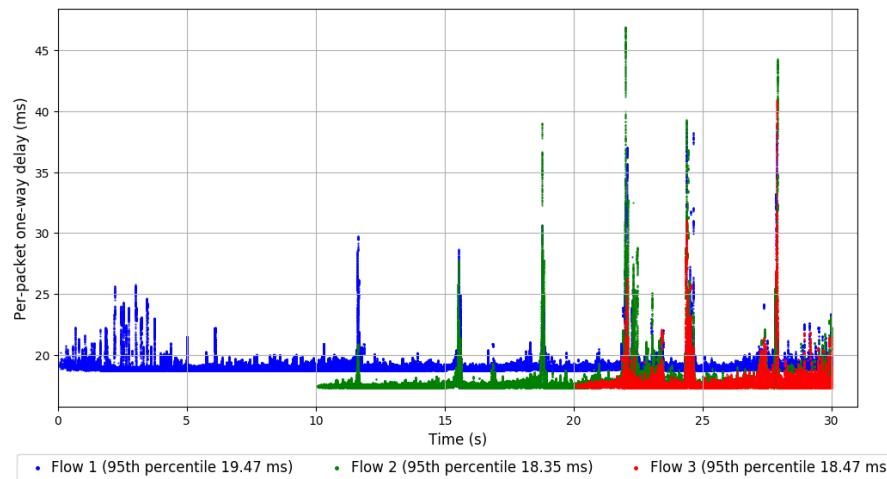
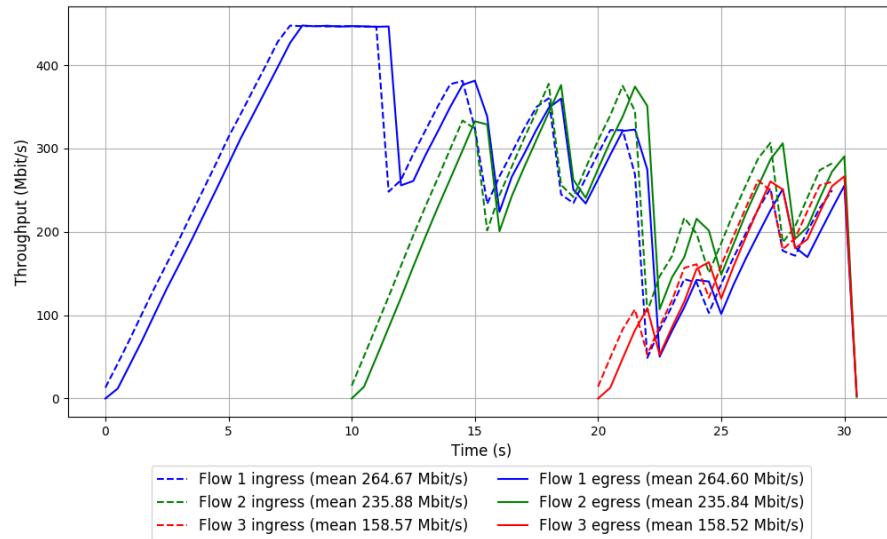


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-24 16:48:22
End at: 2018-05-24 16:48:52
Local clock offset: 0.178 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-05-24 19:37:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.28 Mbit/s
95th percentile per-packet one-way delay: 19.332 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 264.60 Mbit/s
95th percentile per-packet one-way delay: 19.473 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 235.84 Mbit/s
95th percentile per-packet one-way delay: 18.352 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 158.52 Mbit/s
95th percentile per-packet one-way delay: 18.473 ms
Loss rate: 0.03%
```

Run 7: Report of LEDBAT — Data Link

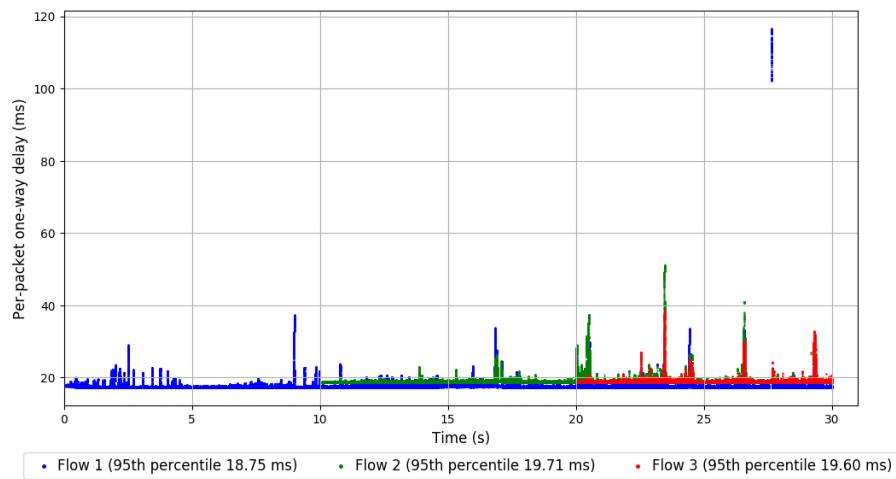
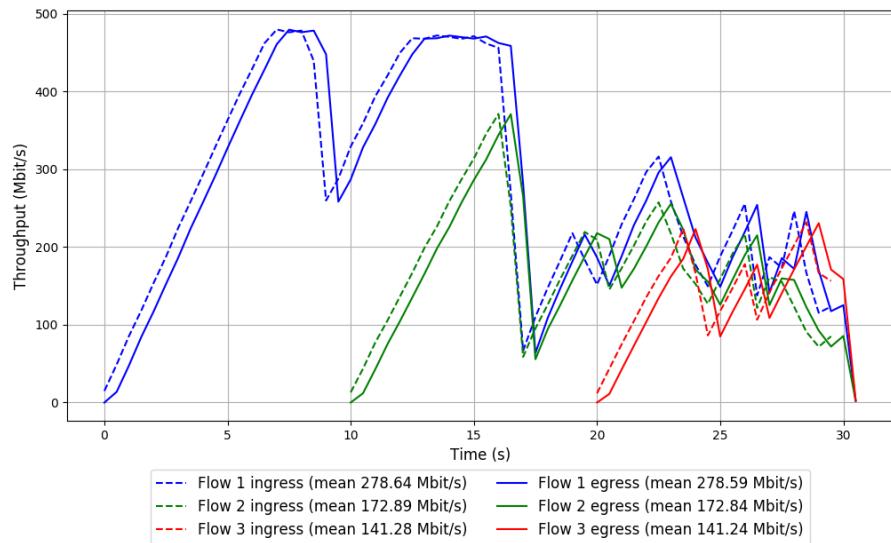


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-24 17:14:10
End at: 2018-05-24 17:14:40
Local clock offset: 0.277 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-05-24 19:37:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 440.68 Mbit/s
95th percentile per-packet one-way delay: 19.308 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 278.59 Mbit/s
95th percentile per-packet one-way delay: 18.751 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 172.84 Mbit/s
95th percentile per-packet one-way delay: 19.711 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 141.24 Mbit/s
95th percentile per-packet one-way delay: 19.598 ms
Loss rate: 0.02%
```

Run 8: Report of LEDBAT — Data Link

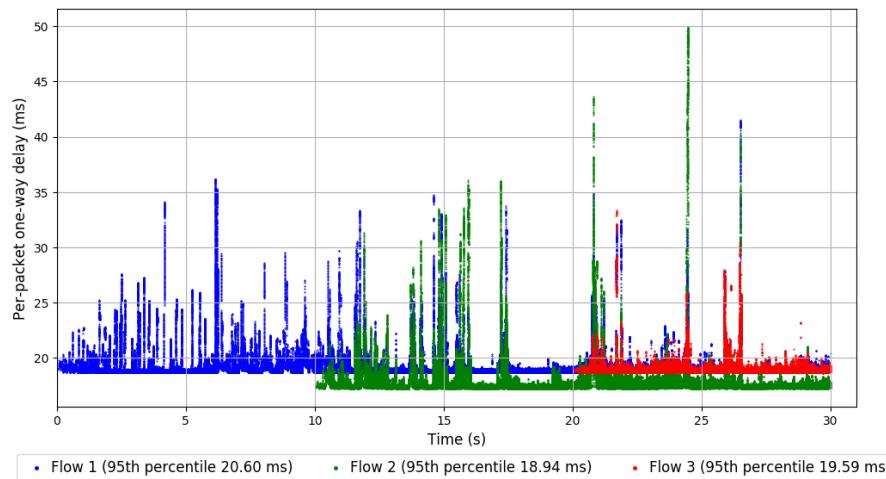
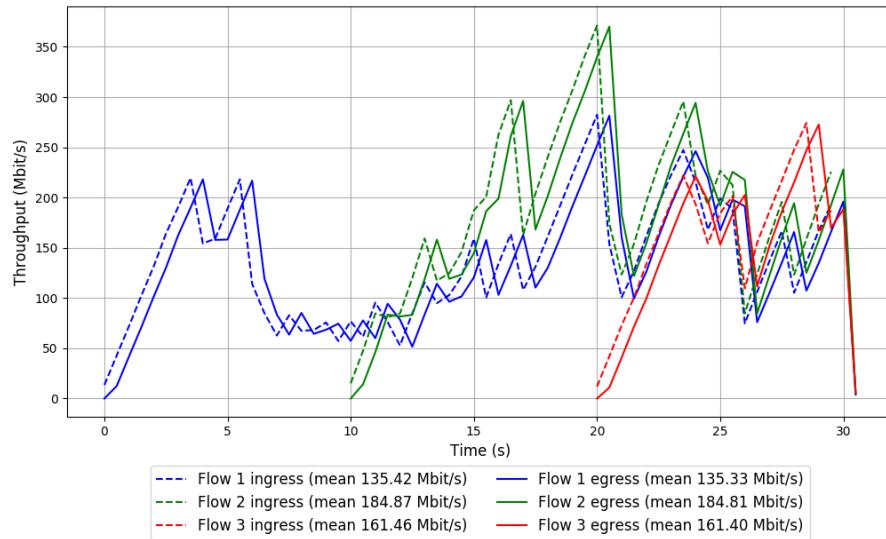


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-24 17:40:03
End at: 2018-05-24 17:40:33
Local clock offset: 0.443 ms
Remote clock offset: 0.13 ms

# Below is generated by plot.py at 2018-05-24 19:37:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.07 Mbit/s
95th percentile per-packet one-way delay: 19.903 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 135.33 Mbit/s
95th percentile per-packet one-way delay: 20.600 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 184.81 Mbit/s
95th percentile per-packet one-way delay: 18.942 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 161.40 Mbit/s
95th percentile per-packet one-way delay: 19.585 ms
Loss rate: 0.03%
```

Run 9: Report of LEDBAT — Data Link

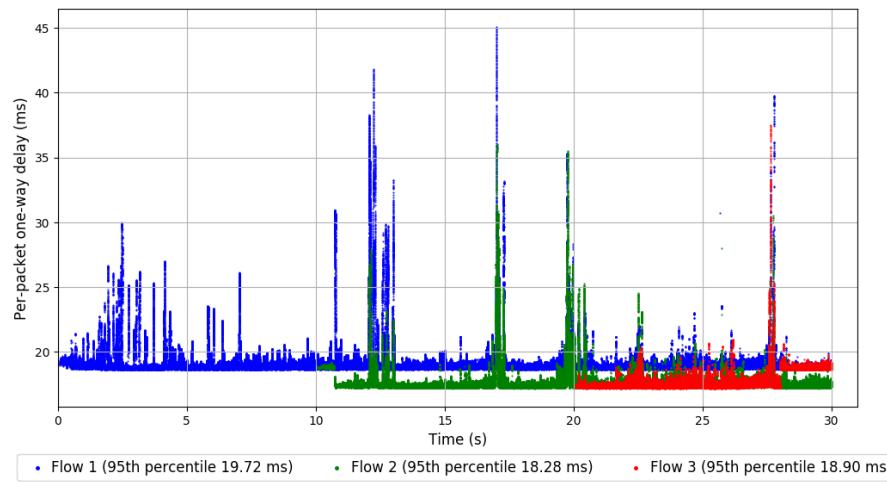
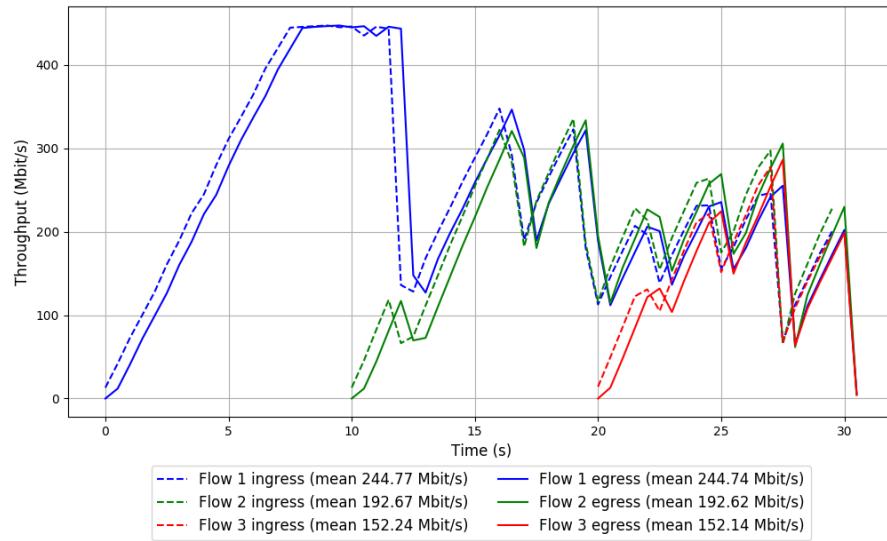


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-24 18:05:40
End at: 2018-05-24 18:06:10
Local clock offset: 0.511 ms
Remote clock offset: 0.16 ms

# Below is generated by plot.py at 2018-05-24 19:37:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 423.58 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 244.74 Mbit/s
95th percentile per-packet one-way delay: 19.720 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 192.62 Mbit/s
95th percentile per-packet one-way delay: 18.283 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 152.14 Mbit/s
95th percentile per-packet one-way delay: 18.904 ms
Loss rate: 0.05%
```

Run 10: Report of LEDBAT — Data Link

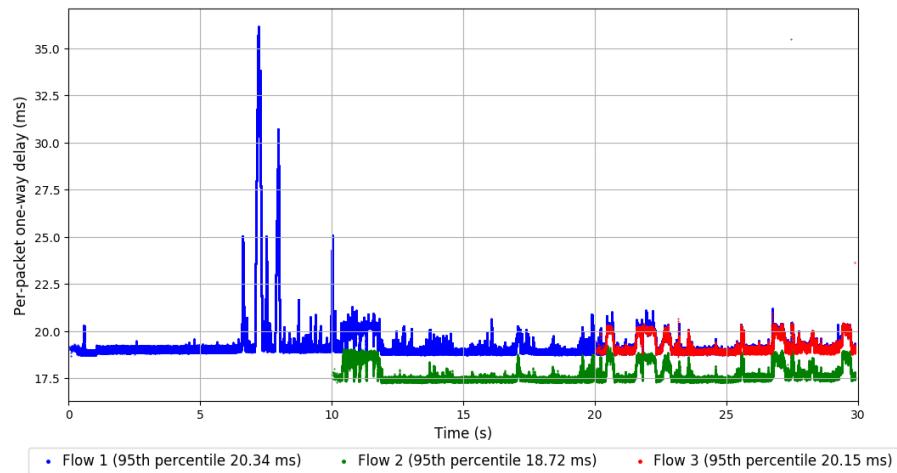
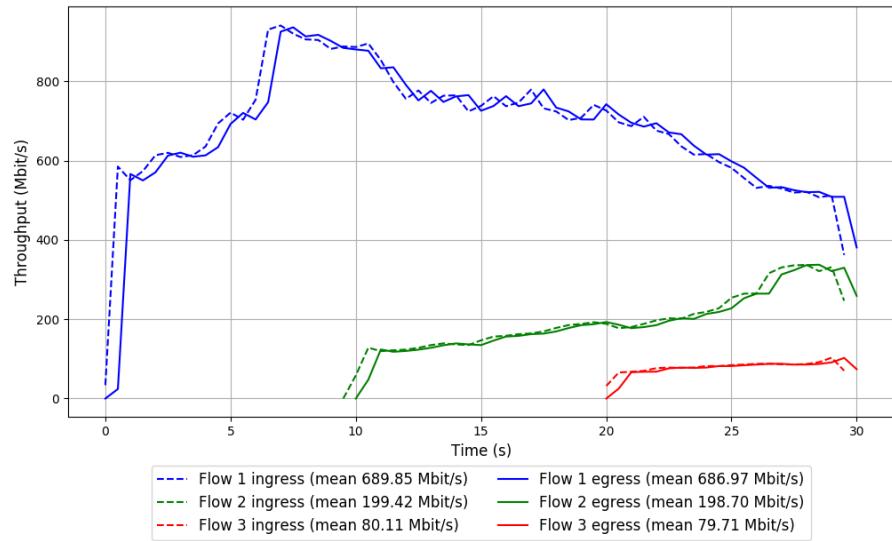


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-24 13:58:02
End at: 2018-05-24 13:58:32
Local clock offset: 0.155 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-24 19:43:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 845.35 Mbit/s
95th percentile per-packet one-way delay: 20.302 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 686.97 Mbit/s
95th percentile per-packet one-way delay: 20.342 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 198.70 Mbit/s
95th percentile per-packet one-way delay: 18.717 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 79.71 Mbit/s
95th percentile per-packet one-way delay: 20.152 ms
Loss rate: 0.47%
```

Run 1: Report of PCC-Allegro — Data Link

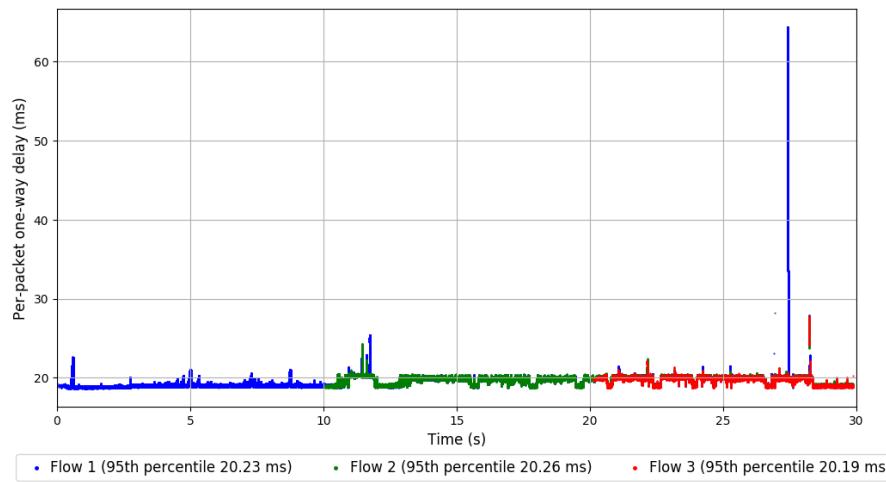
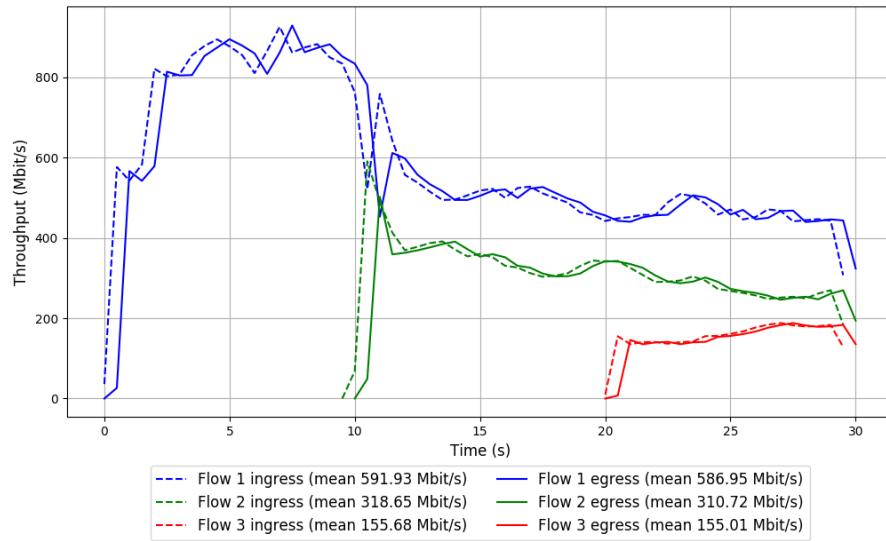


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-24 14:23:57
End at: 2018-05-24 14:24:27
Local clock offset: 0.513 ms
Remote clock offset: 0.559 ms

# Below is generated by plot.py at 2018-05-24 19:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 844.47 Mbit/s
95th percentile per-packet one-way delay: 20.236 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 586.95 Mbit/s
95th percentile per-packet one-way delay: 20.227 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 310.72 Mbit/s
95th percentile per-packet one-way delay: 20.259 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 155.01 Mbit/s
95th percentile per-packet one-way delay: 20.193 ms
Loss rate: 0.46%
```

Run 2: Report of PCC-Allegro — Data Link

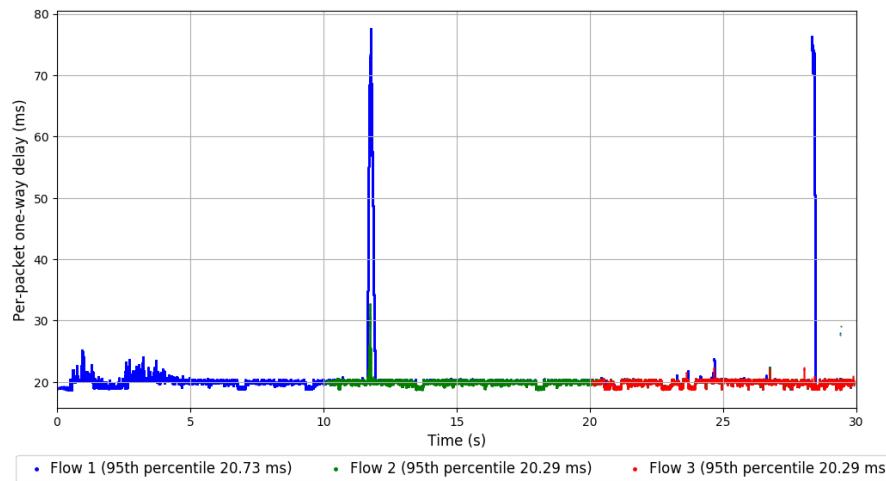
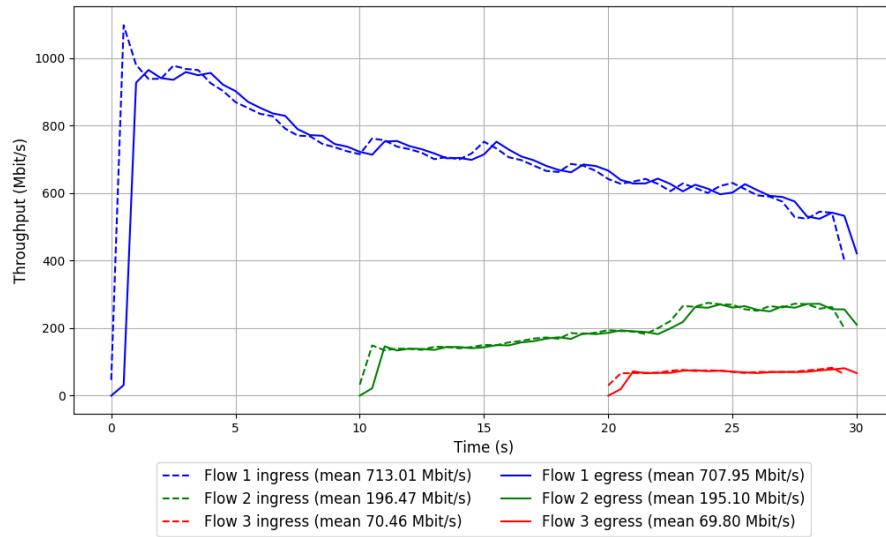


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-24 14:49:57
End at: 2018-05-24 14:50:27
Local clock offset: 0.142 ms
Remote clock offset: 1.061 ms

# Below is generated by plot.py at 2018-05-24 19:46:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 860.67 Mbit/s
95th percentile per-packet one-way delay: 20.526 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 707.95 Mbit/s
95th percentile per-packet one-way delay: 20.731 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 195.10 Mbit/s
95th percentile per-packet one-way delay: 20.287 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 20.286 ms
Loss rate: 0.95%
```

Run 3: Report of PCC-Allegro — Data Link

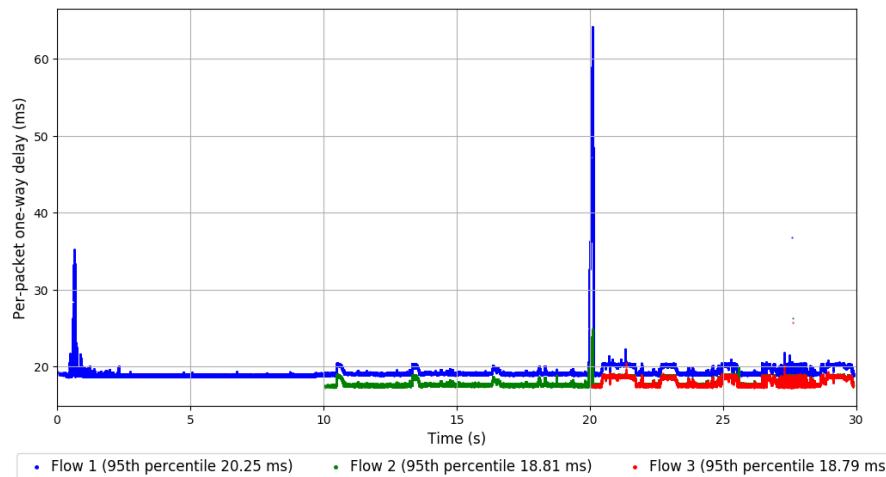
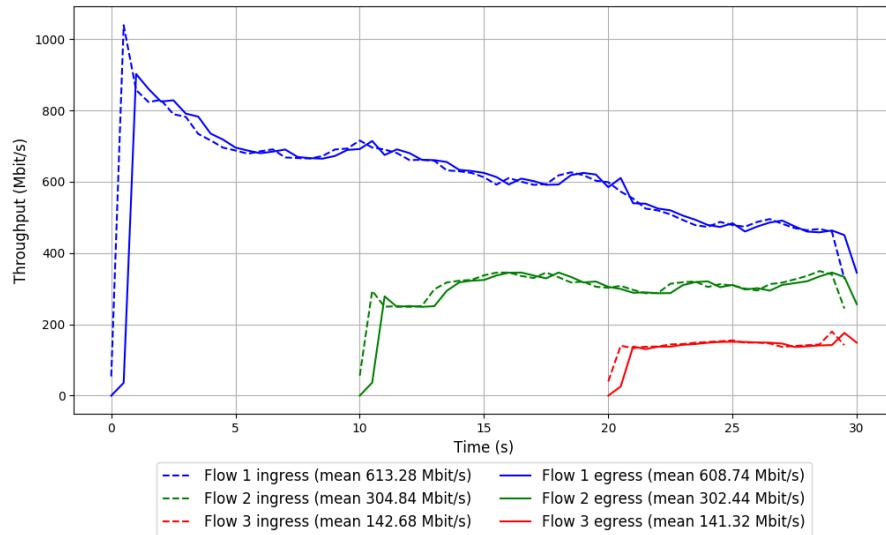


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-24 15:16:04
End at: 2018-05-24 15:16:34
Local clock offset: 0.247 ms
Remote clock offset: 0.957 ms

# Below is generated by plot.py at 2018-05-24 19:46:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 856.39 Mbit/s
95th percentile per-packet one-way delay: 20.221 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 608.74 Mbit/s
95th percentile per-packet one-way delay: 20.251 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 302.44 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 141.32 Mbit/s
95th percentile per-packet one-way delay: 18.788 ms
Loss rate: 0.96%
```

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

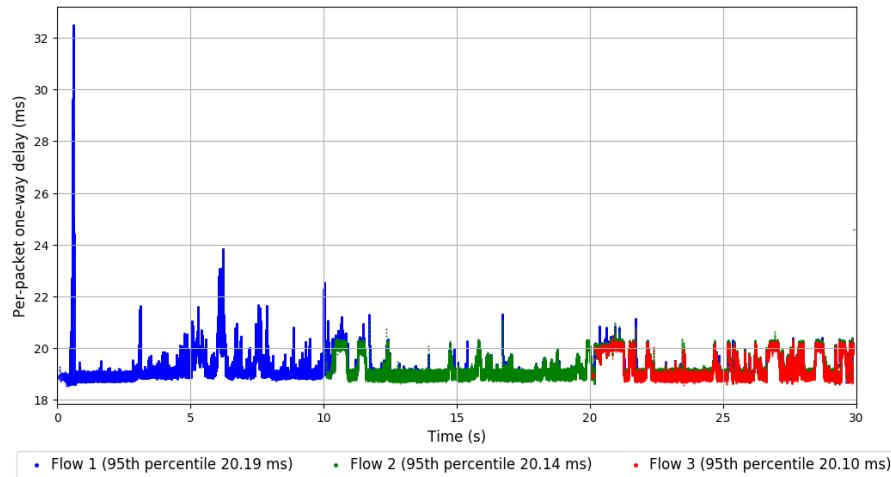
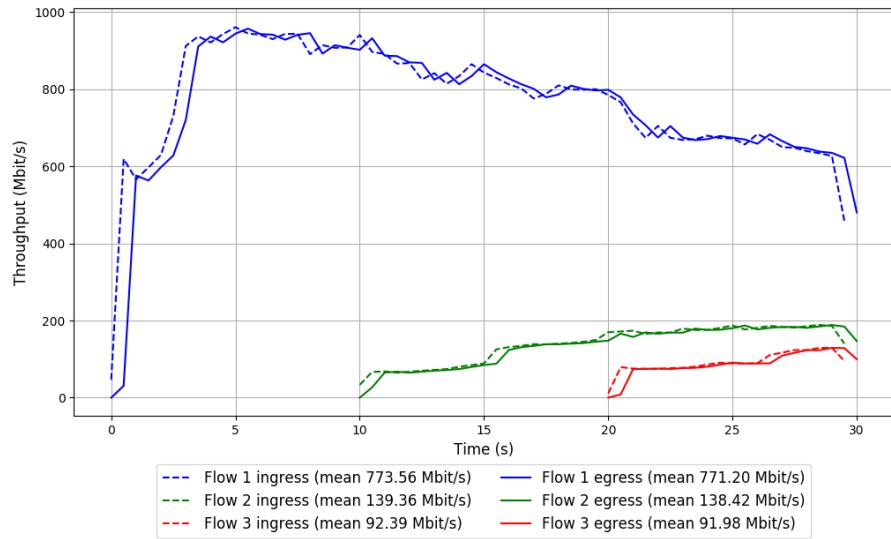


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-24 15:41:45
End at: 2018-05-24 15:42:15
Local clock offset: 0.362 ms
Remote clock offset: 0.454 ms

# Below is generated by plot.py at 2018-05-24 19:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 893.46 Mbit/s
95th percentile per-packet one-way delay: 20.181 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 771.20 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 138.42 Mbit/s
95th percentile per-packet one-way delay: 20.137 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 20.098 ms
Loss rate: 0.45%
```

Run 5: Report of PCC-Allegro — Data Link

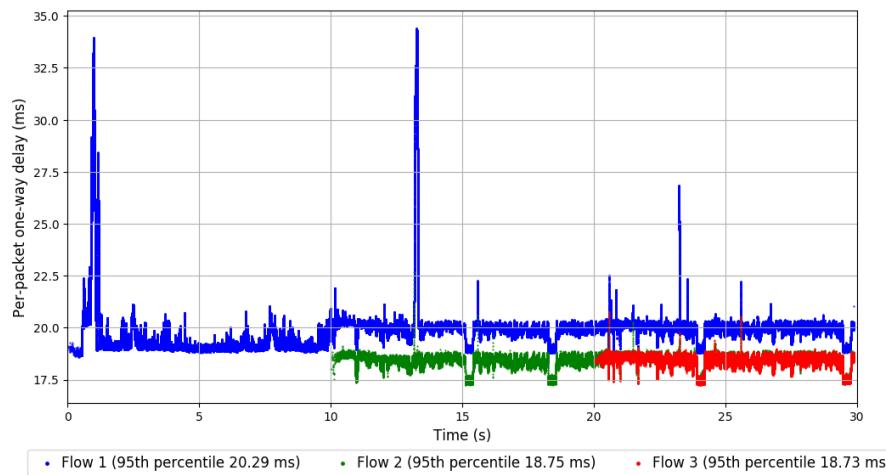
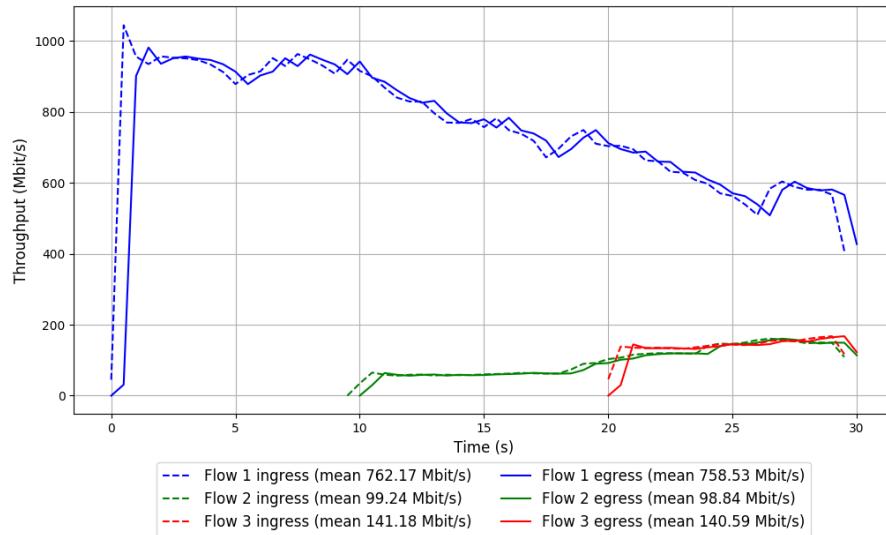


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-24 16:07:36
End at: 2018-05-24 16:08:06
Local clock offset: 0.272 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2018-05-24 19:48:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 870.71 Mbit/s
95th percentile per-packet one-way delay: 20.271 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 758.53 Mbit/s
95th percentile per-packet one-way delay: 20.289 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 98.84 Mbit/s
95th percentile per-packet one-way delay: 18.754 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 140.59 Mbit/s
95th percentile per-packet one-way delay: 18.734 ms
Loss rate: 0.41%
```

Run 6: Report of PCC-Allegro — Data Link

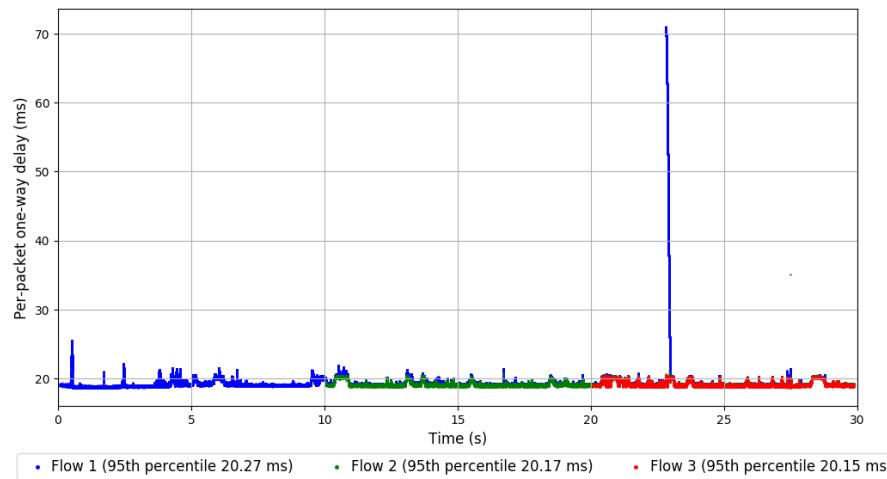
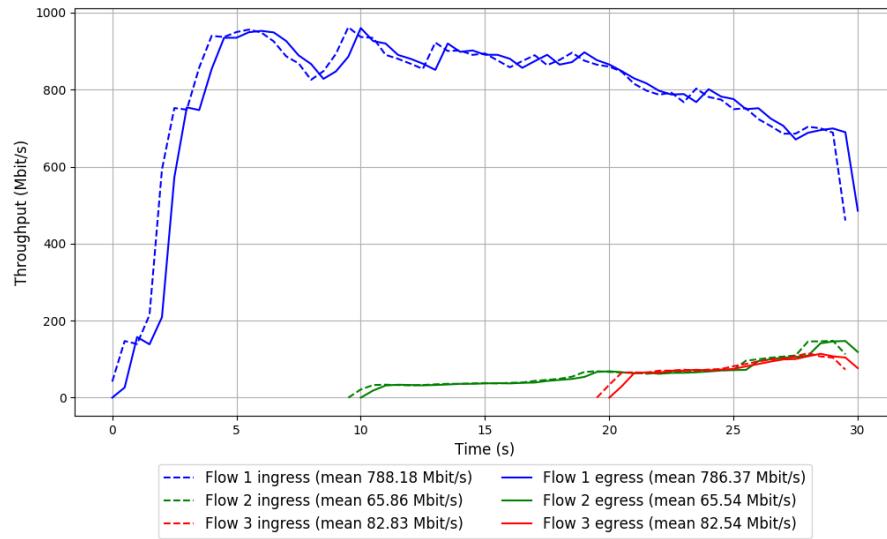


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-24 16:33:27
End at: 2018-05-24 16:33:57
Local clock offset: 0.173 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-05-24 19:49:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 857.22 Mbit/s
95th percentile per-packet one-way delay: 20.257 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 786.37 Mbit/s
95th percentile per-packet one-way delay: 20.265 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 65.54 Mbit/s
95th percentile per-packet one-way delay: 20.168 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 20.150 ms
Loss rate: 0.35%
```

Run 7: Report of PCC-Allegro — Data Link

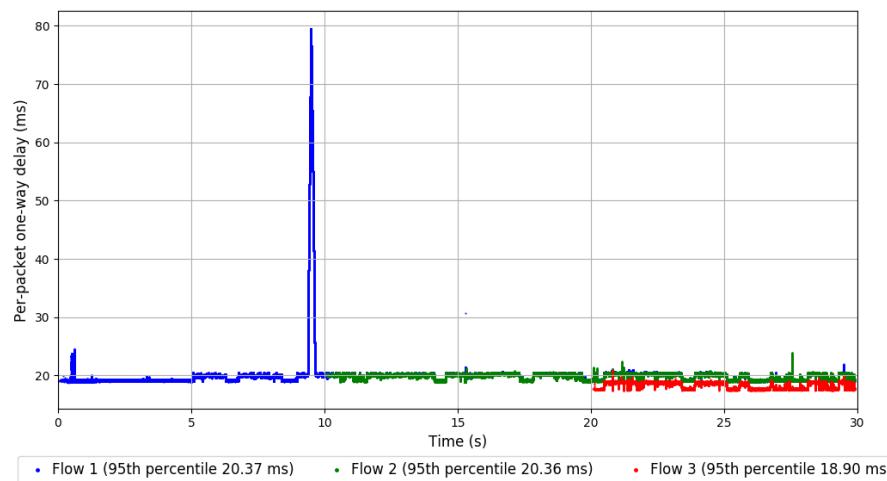
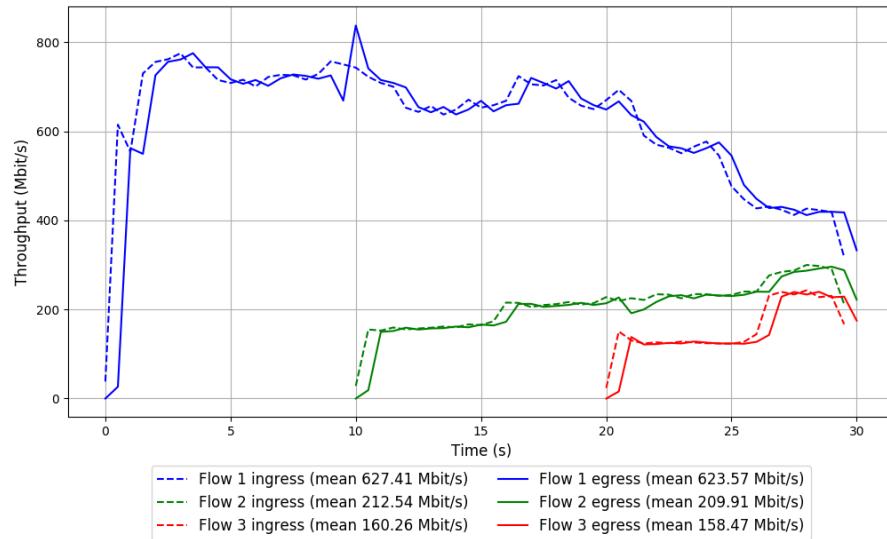


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-24 16:59:07
End at: 2018-05-24 16:59:37
Local clock offset: 0.102 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-05-24 19:49:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 815.20 Mbit/s
95th percentile per-packet one-way delay: 20.363 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 623.57 Mbit/s
95th percentile per-packet one-way delay: 20.368 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 209.91 Mbit/s
95th percentile per-packet one-way delay: 20.364 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 158.47 Mbit/s
95th percentile per-packet one-way delay: 18.901 ms
Loss rate: 1.12%
```

Run 8: Report of PCC-Allegro — Data Link

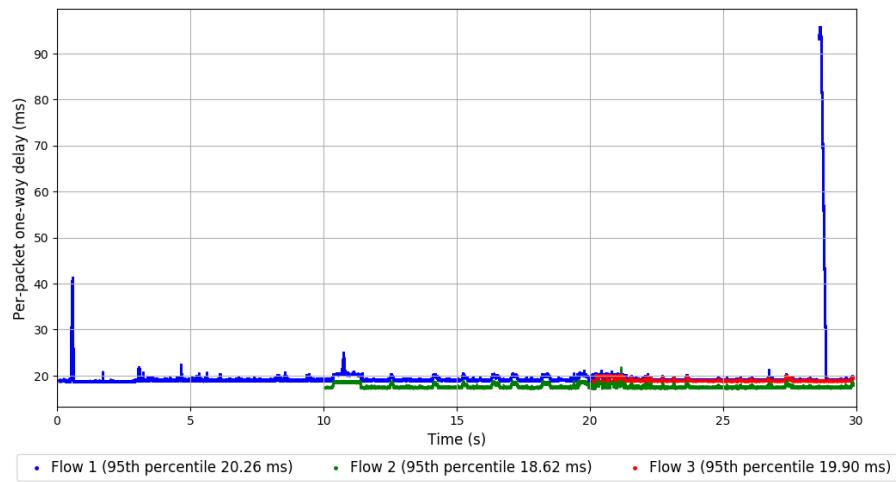
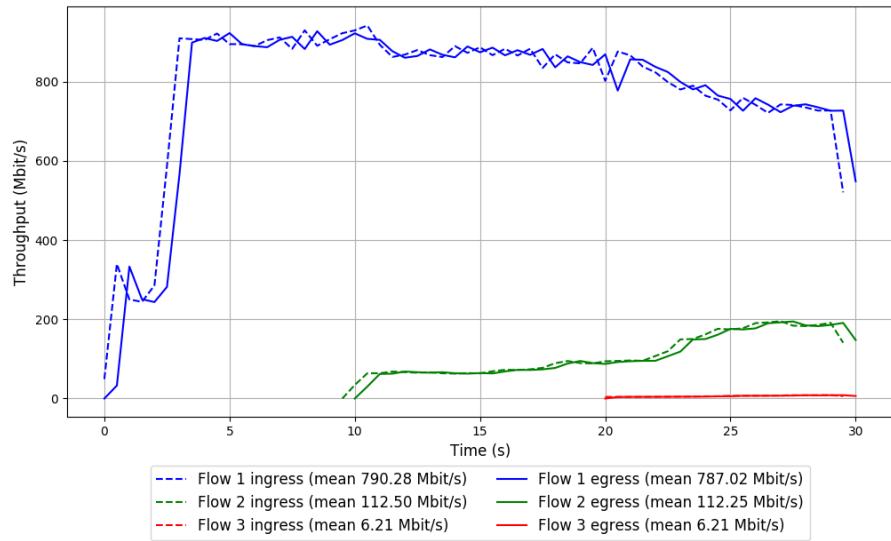


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-24 17:24:55
End at: 2018-05-24 17:25:25
Local clock offset: 0.317 ms
Remote clock offset: 0.1 ms

# Below is generated by plot.py at 2018-05-24 19:55:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 863.72 Mbit/s
95th percentile per-packet one-way delay: 20.254 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 787.02 Mbit/s
95th percentile per-packet one-way delay: 20.264 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 112.25 Mbit/s
95th percentile per-packet one-way delay: 18.618 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 19.904 ms
Loss rate: 0.11%
```

Run 9: Report of PCC-Allegro — Data Link

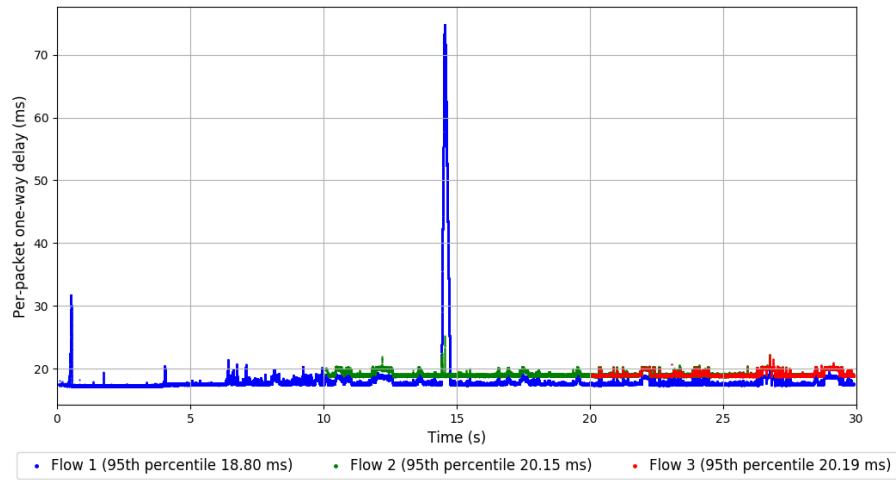
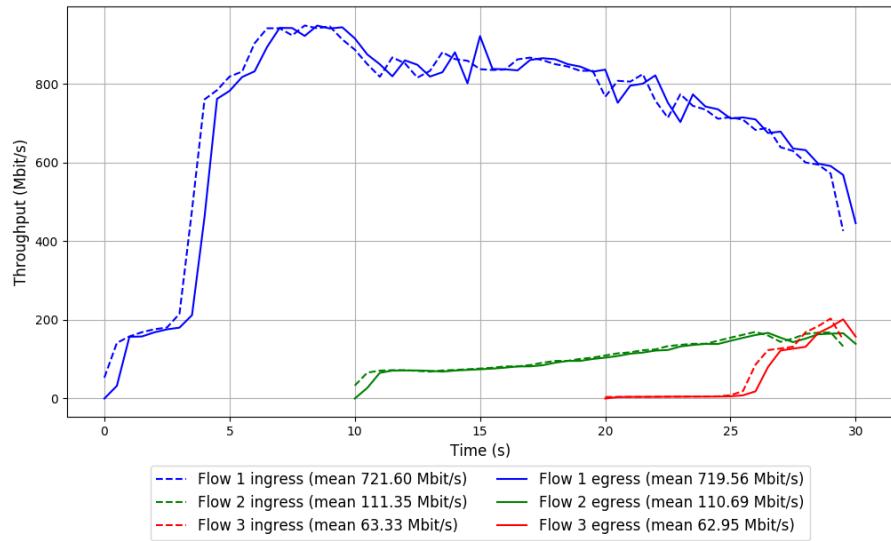


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-24 17:50:29
End at: 2018-05-24 17:50:59
Local clock offset: 0.636 ms
Remote clock offset: 0.224 ms

# Below is generated by plot.py at 2018-05-24 19:55:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 813.89 Mbit/s
95th percentile per-packet one-way delay: 19.423 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 719.56 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 110.69 Mbit/s
95th percentile per-packet one-way delay: 20.150 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 62.95 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 0.60%
```

Run 10: Report of PCC-Allegro — Data Link

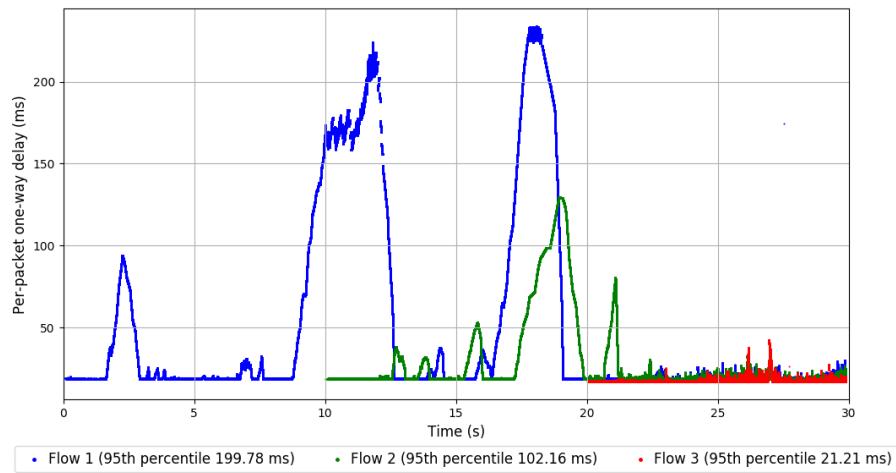
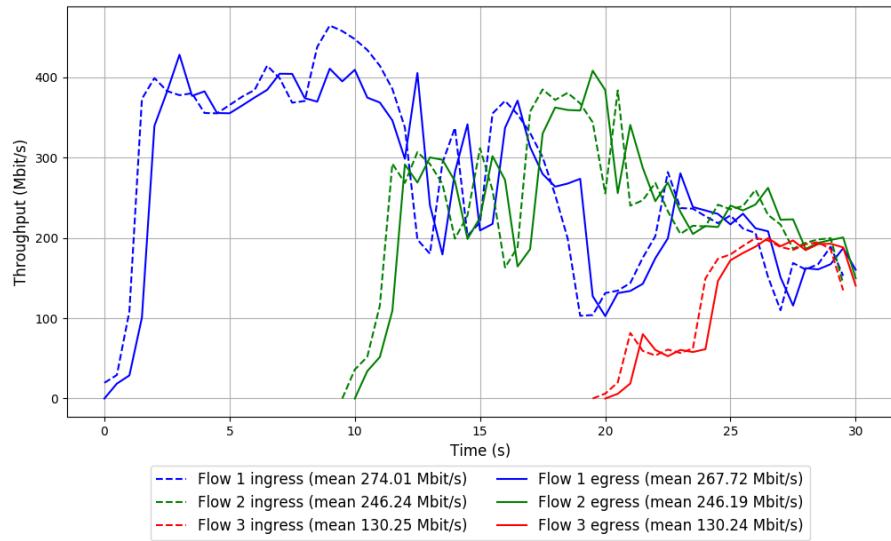


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-24 13:54:30
End at: 2018-05-24 13:55:00
Local clock offset: 0.246 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-05-24 19:58:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.61 Mbit/s
95th percentile per-packet one-way delay: 174.650 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 267.72 Mbit/s
95th percentile per-packet one-way delay: 199.777 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 246.19 Mbit/s
95th percentile per-packet one-way delay: 102.162 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 130.24 Mbit/s
95th percentile per-packet one-way delay: 21.212 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link

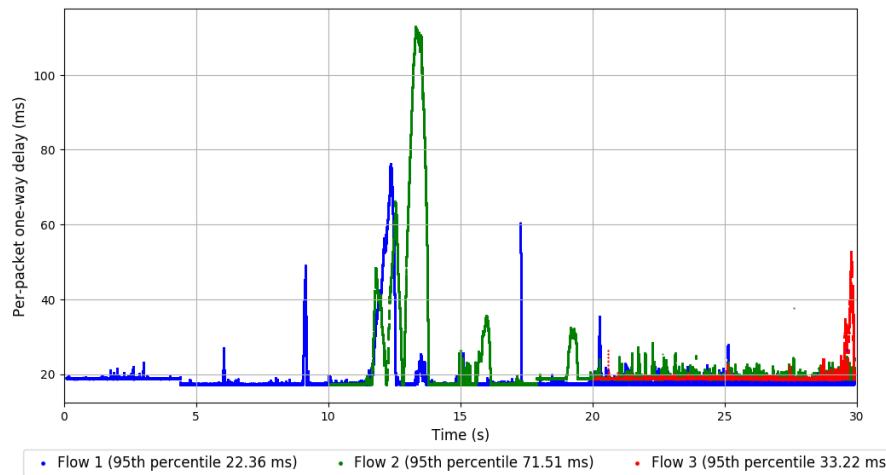
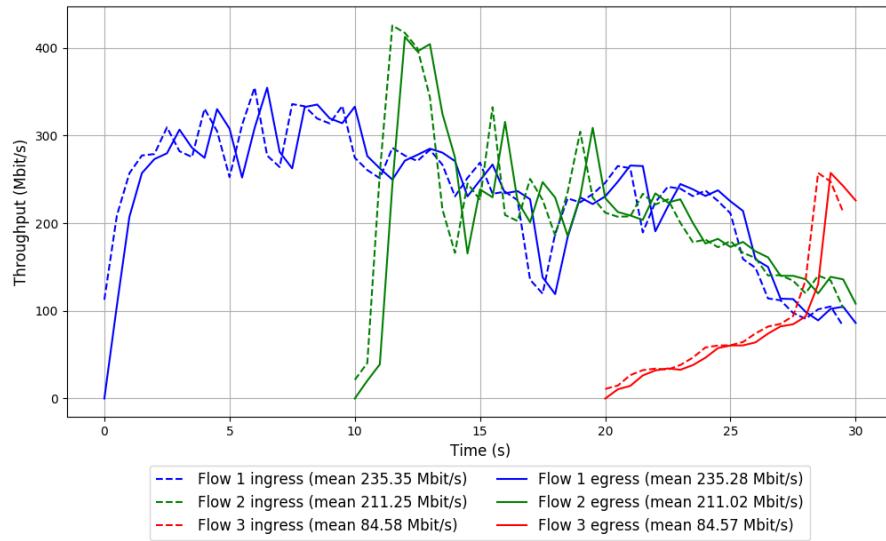


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-24 14:20:34
End at: 2018-05-24 14:21:04
Local clock offset: 0.501 ms
Remote clock offset: 0.482 ms

# Below is generated by plot.py at 2018-05-24 19:58:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.57 Mbit/s
95th percentile per-packet one-way delay: 43.188 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 235.28 Mbit/s
95th percentile per-packet one-way delay: 22.364 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 211.02 Mbit/s
95th percentile per-packet one-way delay: 71.506 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 84.57 Mbit/s
95th percentile per-packet one-way delay: 33.221 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Expr — Data Link

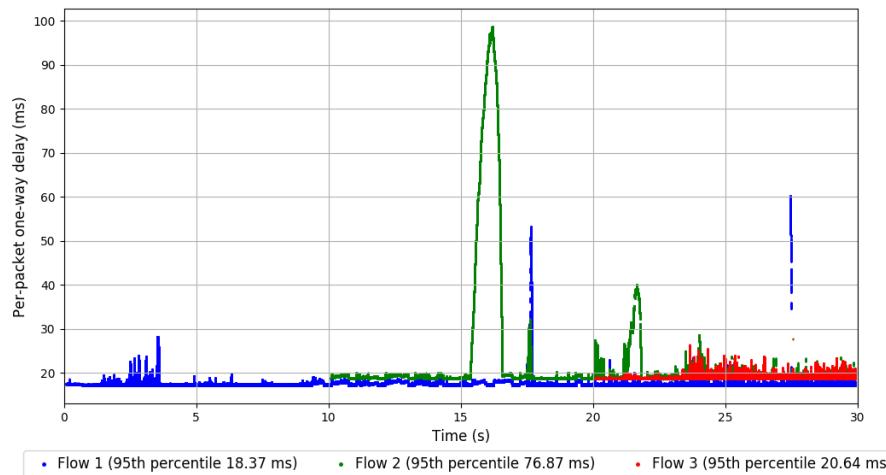
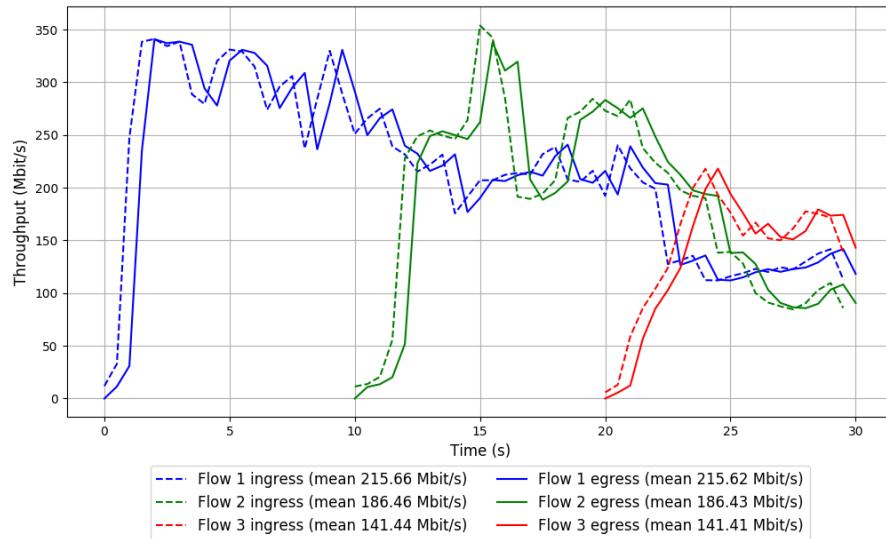


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-24 14:46:41
End at: 2018-05-24 14:47:11
Local clock offset: 0.209 ms
Remote clock offset: 0.94 ms

# Below is generated by plot.py at 2018-05-24 19:58:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.29 Mbit/s
95th percentile per-packet one-way delay: 25.317 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 215.62 Mbit/s
95th percentile per-packet one-way delay: 18.372 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 186.43 Mbit/s
95th percentile per-packet one-way delay: 76.870 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 141.41 Mbit/s
95th percentile per-packet one-way delay: 20.642 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Expr — Data Link

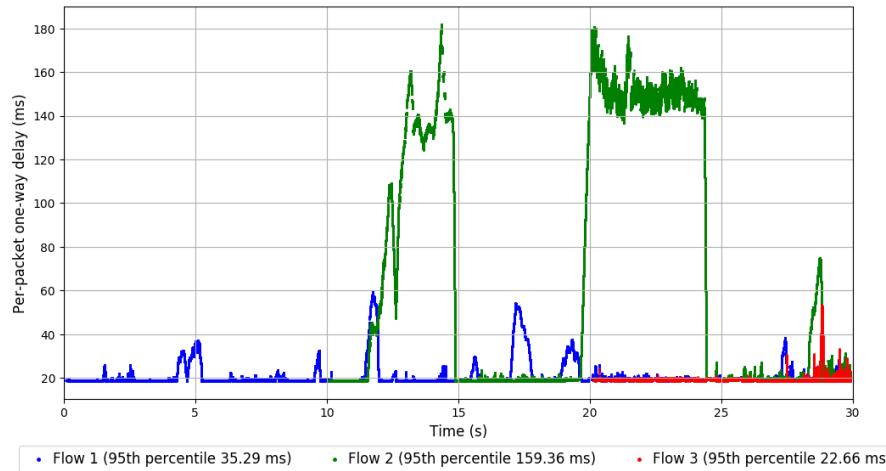
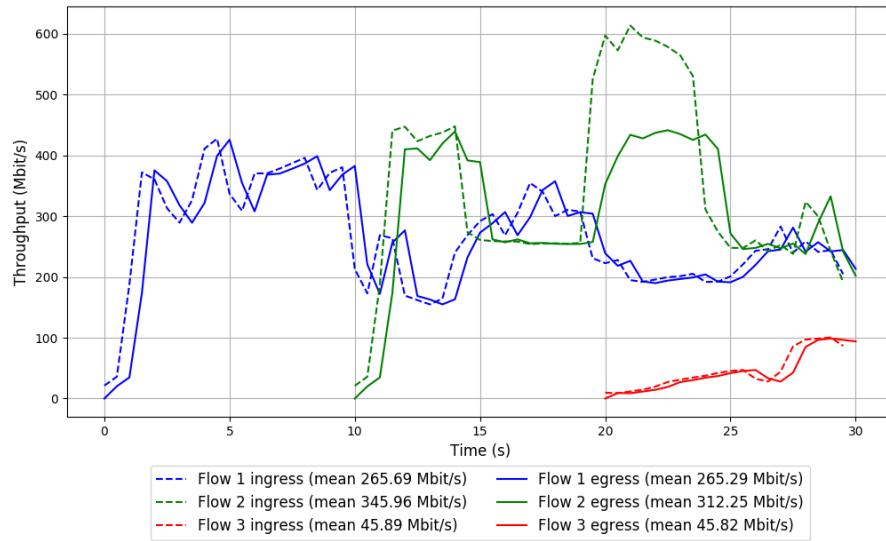


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-24 15:12:39
End at: 2018-05-24 15:13:09
Local clock offset: 0.246 ms
Remote clock offset: 1.168 ms

# Below is generated by plot.py at 2018-05-24 20:01:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.04 Mbit/s
95th percentile per-packet one-way delay: 152.530 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 265.29 Mbit/s
95th percentile per-packet one-way delay: 35.290 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 312.25 Mbit/s
95th percentile per-packet one-way delay: 159.360 ms
Loss rate: 9.74%
-- Flow 3:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 22.659 ms
Loss rate: 0.24%
```

Run 4: Report of PCC-Expr — Data Link

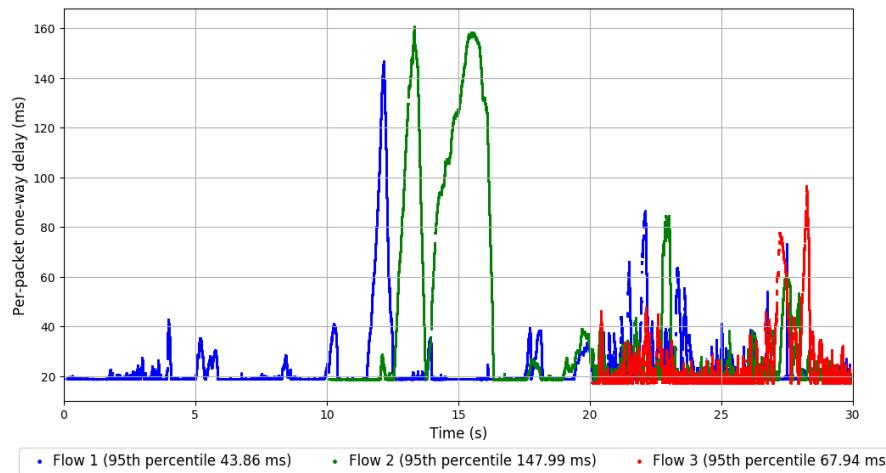
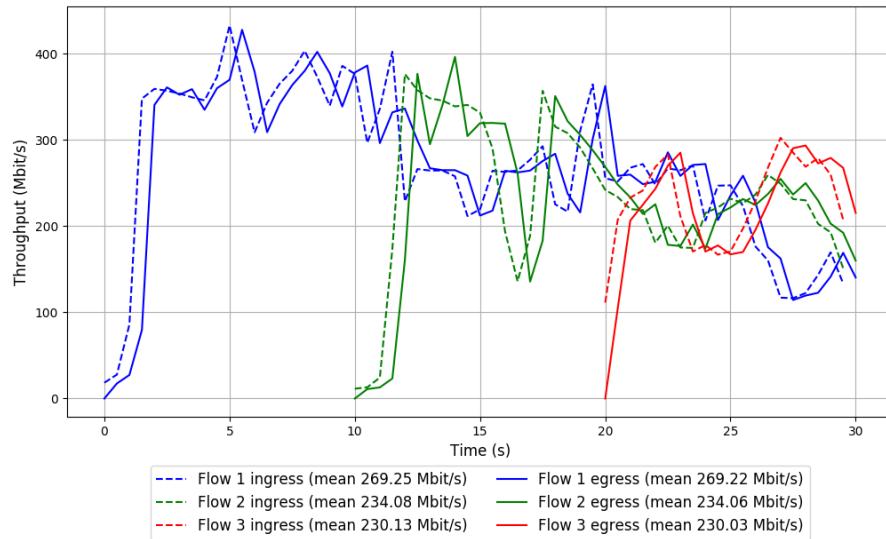


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-24 15:38:22
End at: 2018-05-24 15:38:52
Local clock offset: 0.36 ms
Remote clock offset: 0.55 ms

# Below is generated by plot.py at 2018-05-24 20:01:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 500.89 Mbit/s
95th percentile per-packet one-way delay: 107.040 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 269.22 Mbit/s
95th percentile per-packet one-way delay: 43.856 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 234.06 Mbit/s
95th percentile per-packet one-way delay: 147.989 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 230.03 Mbit/s
95th percentile per-packet one-way delay: 67.942 ms
Loss rate: 0.04%
```

Run 5: Report of PCC-Expr — Data Link

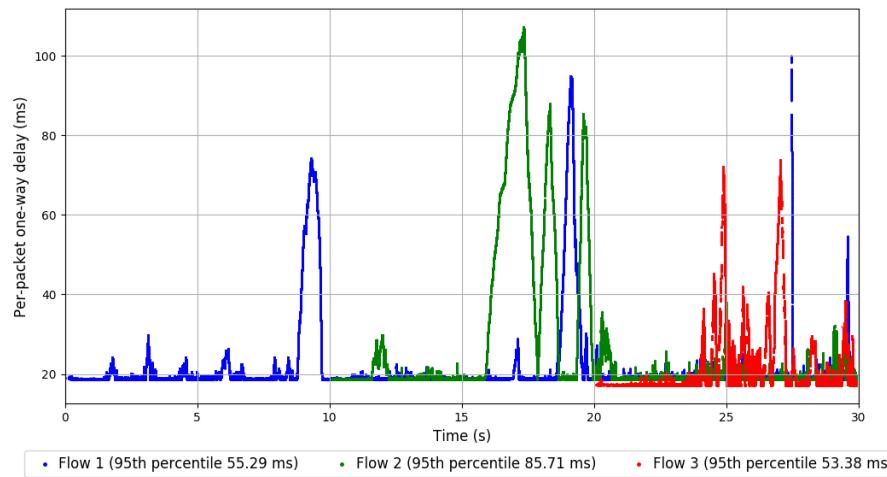
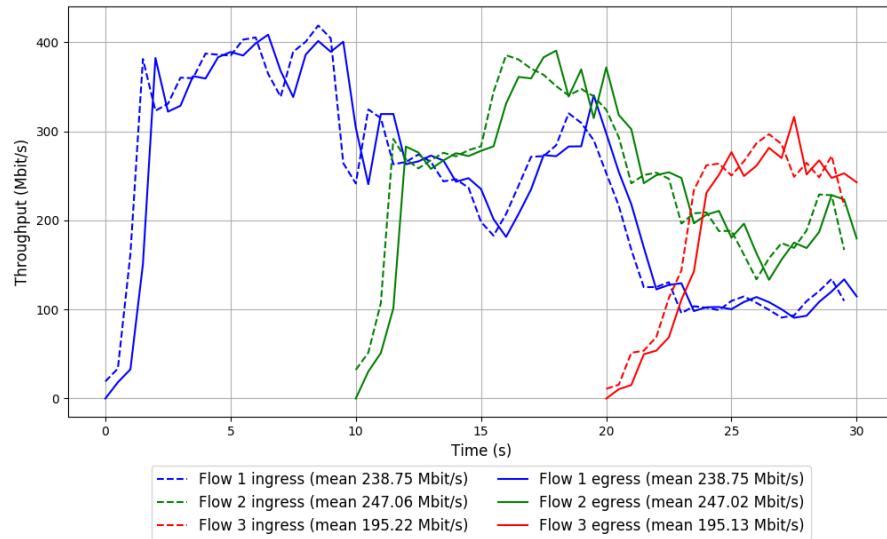


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-24 16:04:10
End at: 2018-05-24 16:04:40
Local clock offset: 0.311 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-05-24 20:01:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 467.33 Mbit/s
95th percentile per-packet one-way delay: 68.639 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 238.75 Mbit/s
95th percentile per-packet one-way delay: 55.293 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 247.02 Mbit/s
95th percentile per-packet one-way delay: 85.710 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 195.13 Mbit/s
95th percentile per-packet one-way delay: 53.379 ms
Loss rate: 0.05%
```

Run 6: Report of PCC-Expr — Data Link

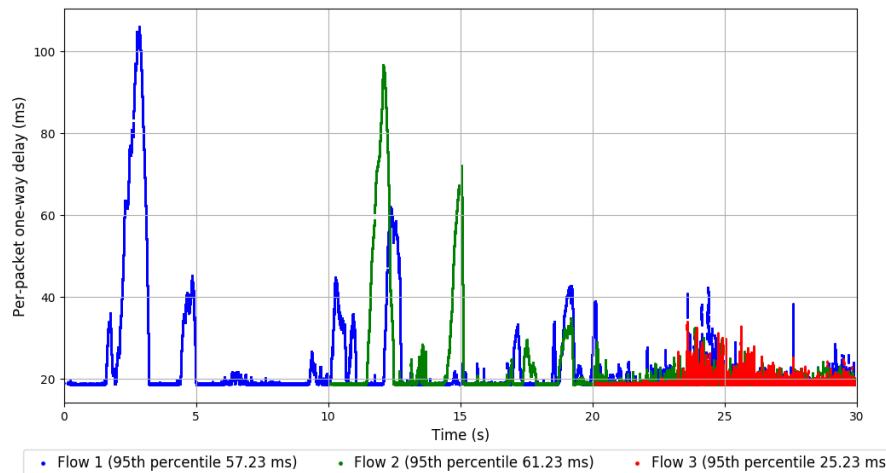
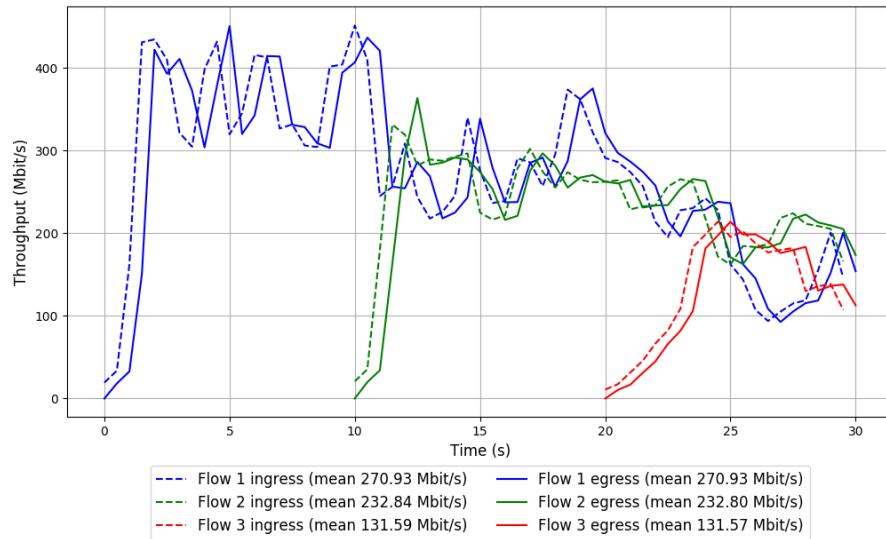


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-24 16:30:01
End at: 2018-05-24 16:30:31
Local clock offset: 0.139 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-05-24 20:08:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.15 Mbit/s
95th percentile per-packet one-way delay: 55.835 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 270.93 Mbit/s
95th percentile per-packet one-way delay: 57.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 232.80 Mbit/s
95th percentile per-packet one-way delay: 61.229 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 131.57 Mbit/s
95th percentile per-packet one-way delay: 25.231 ms
Loss rate: 0.02%
```

Run 7: Report of PCC-Expr — Data Link

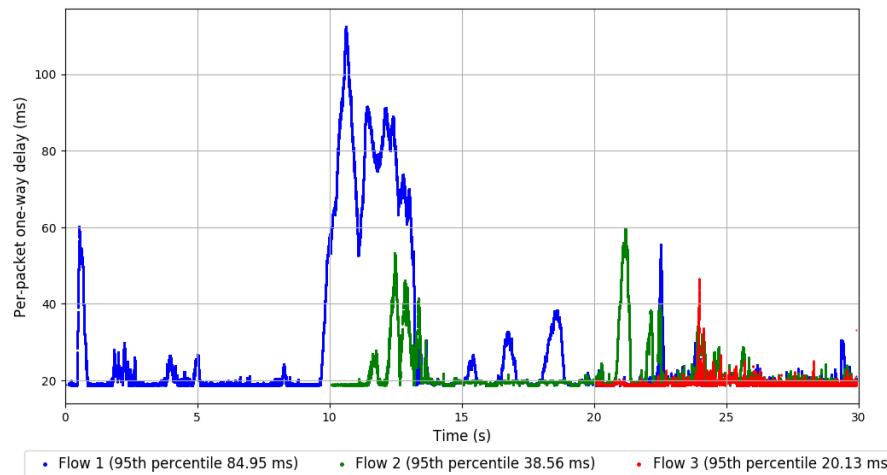
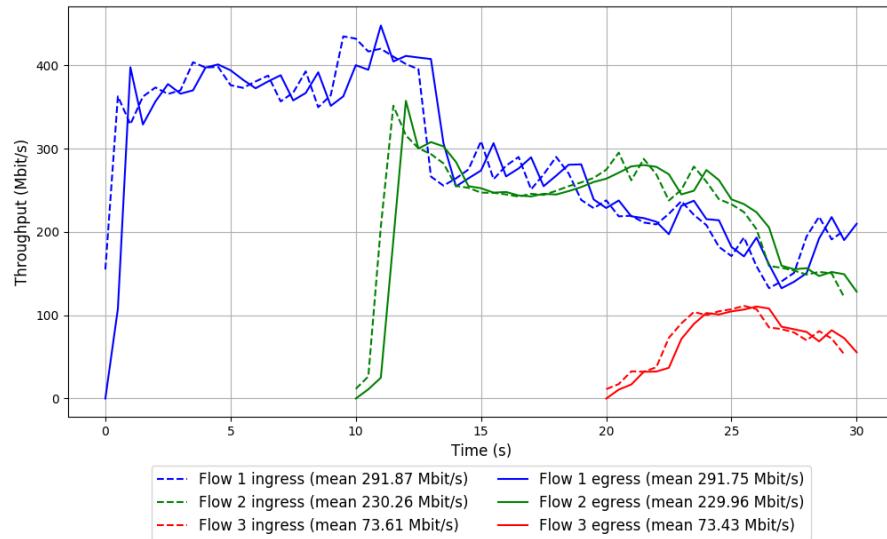


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-24 16:55:46
End at: 2018-05-24 16:56:16
Local clock offset: 0.107 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-05-24 20:08:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.79 Mbit/s
95th percentile per-packet one-way delay: 77.813 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 291.75 Mbit/s
95th percentile per-packet one-way delay: 84.947 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 229.96 Mbit/s
95th percentile per-packet one-way delay: 38.563 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 20.129 ms
Loss rate: 0.10%
```

Run 8: Report of PCC-Expr — Data Link

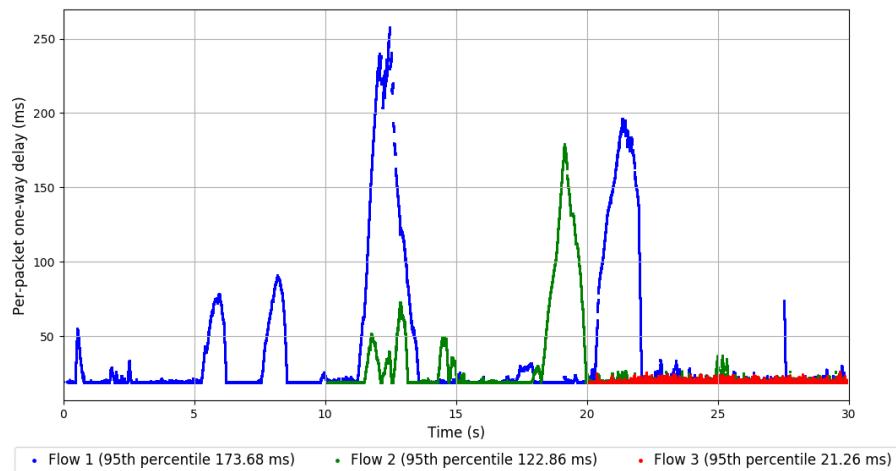
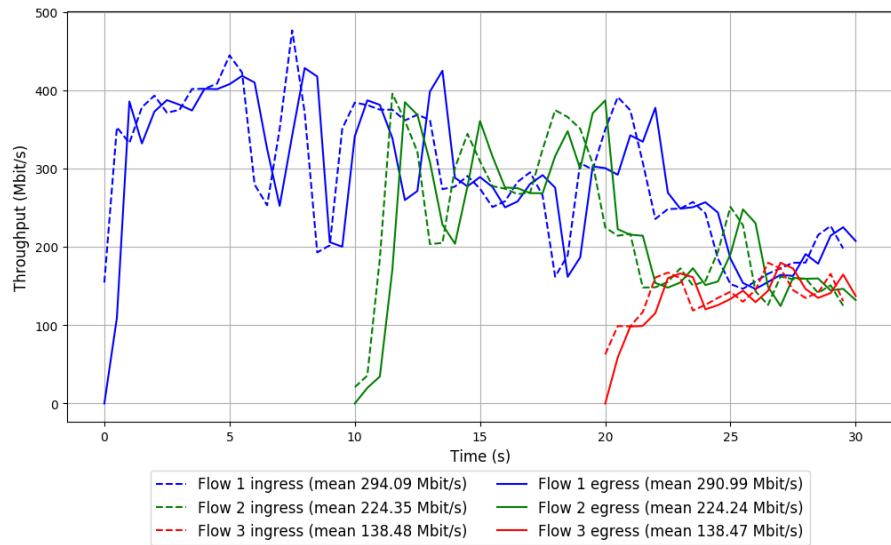


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-24 17:21:24
End at: 2018-05-24 17:21:54
Local clock offset: 0.318 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-05-24 20:09:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 485.83 Mbit/s
95th percentile per-packet one-way delay: 149.192 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 290.99 Mbit/s
95th percentile per-packet one-way delay: 173.680 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 224.24 Mbit/s
95th percentile per-packet one-way delay: 122.855 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 138.47 Mbit/s
95th percentile per-packet one-way delay: 21.263 ms
Loss rate: 0.01%
```

Run 9: Report of PCC-Expr — Data Link

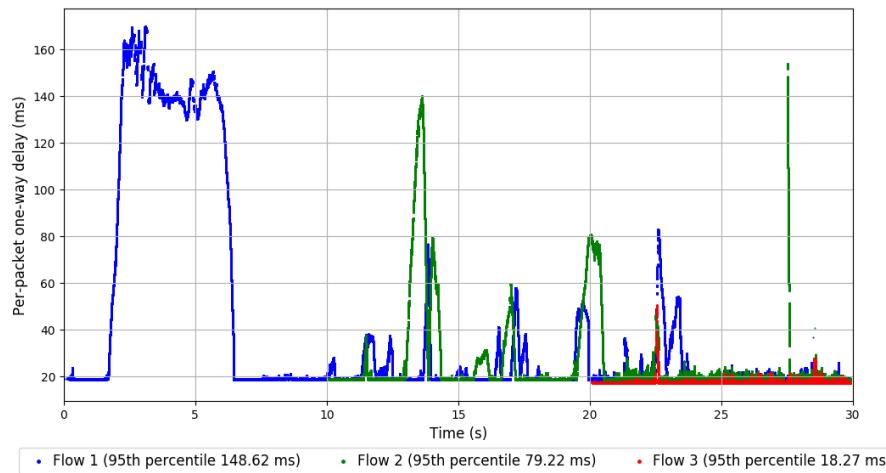
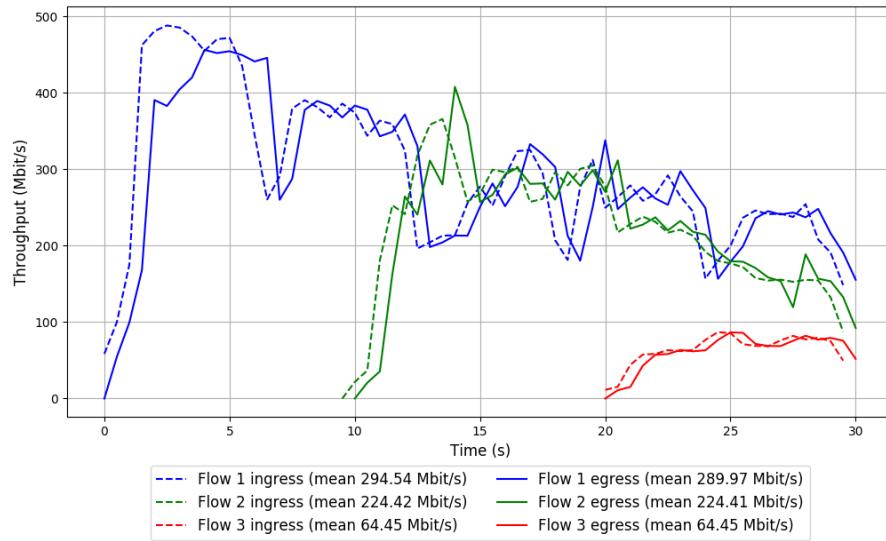


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-24 17:47:12
End at: 2018-05-24 17:47:42
Local clock offset: 0.515 ms
Remote clock offset: 0.251 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 460.58 Mbit/s
95th percentile per-packet one-way delay: 144.179 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 289.97 Mbit/s
95th percentile per-packet one-way delay: 148.624 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 224.41 Mbit/s
95th percentile per-packet one-way delay: 79.224 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 18.269 ms
Loss rate: 0.01%
```

Run 10: Report of PCC-Expr — Data Link

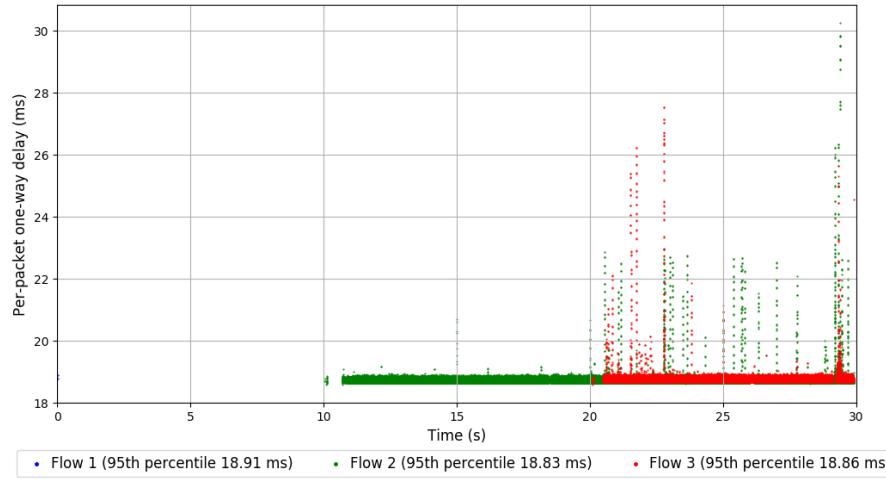
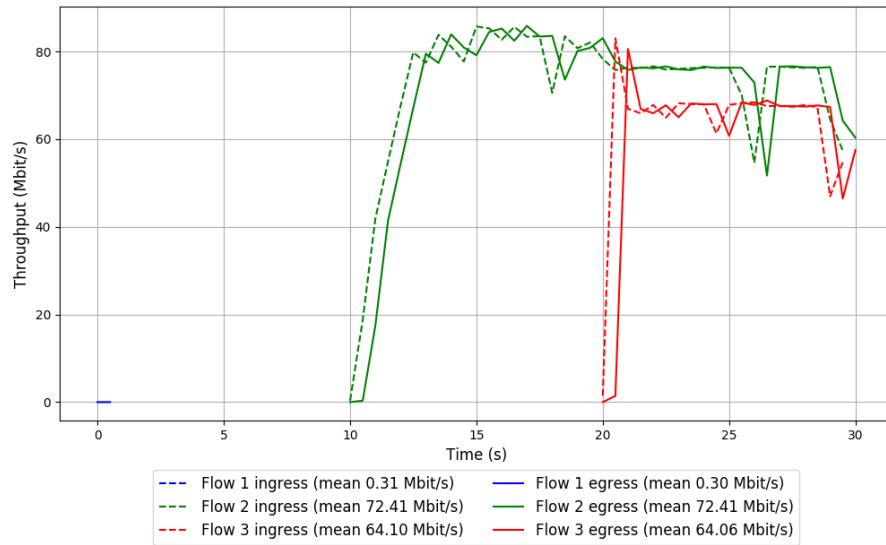


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-24 14:11:50
End at: 2018-05-24 14:12:20
Local clock offset: 0.452 ms
Remote clock offset: 0.338 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 18.841 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 18.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.41 Mbit/s
95th percentile per-packet one-way delay: 18.831 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.06 Mbit/s
95th percentile per-packet one-way delay: 18.862 ms
Loss rate: 0.02%
```

Run 1: Report of QUIC Cubic — Data Link

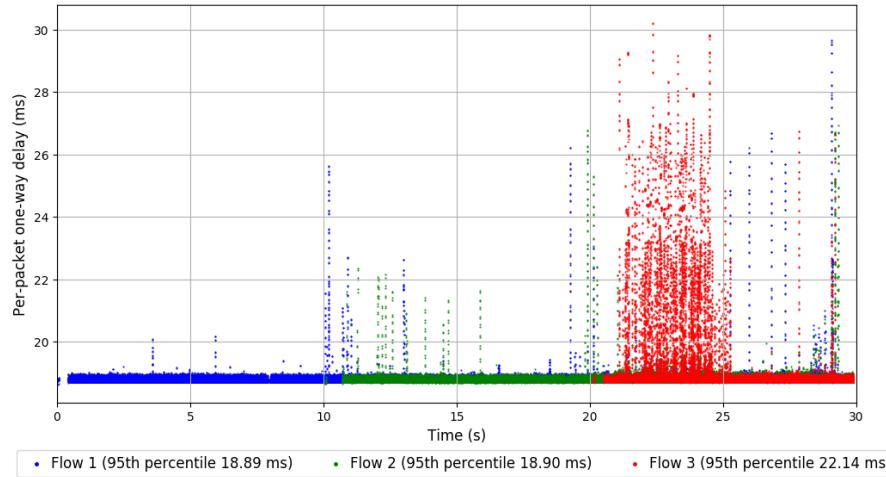
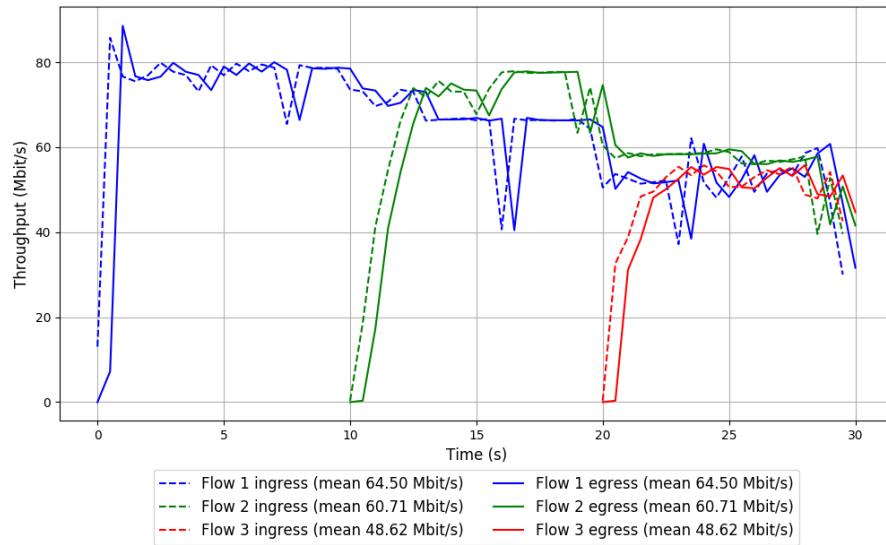


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-24 14:37:56
End at: 2018-05-24 14:38:26
Local clock offset: 0.22 ms
Remote clock offset: 0.815 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.80 Mbit/s
95th percentile per-packet one-way delay: 18.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: 18.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 22.145 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

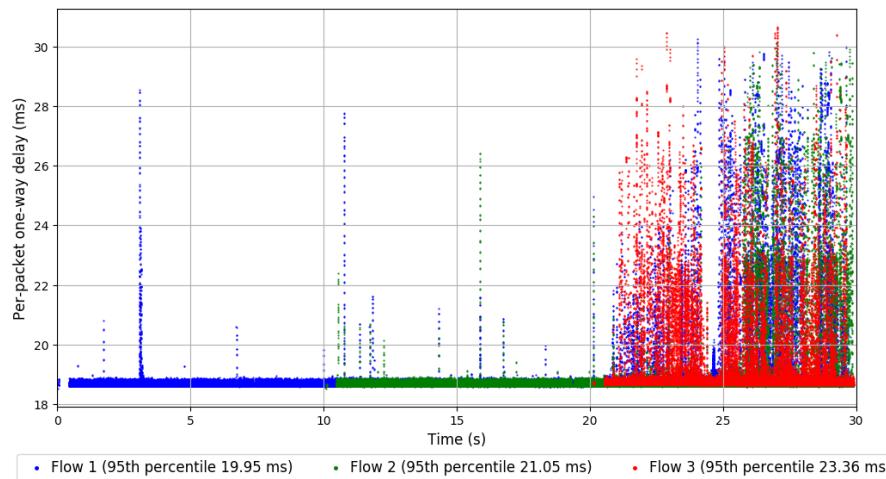
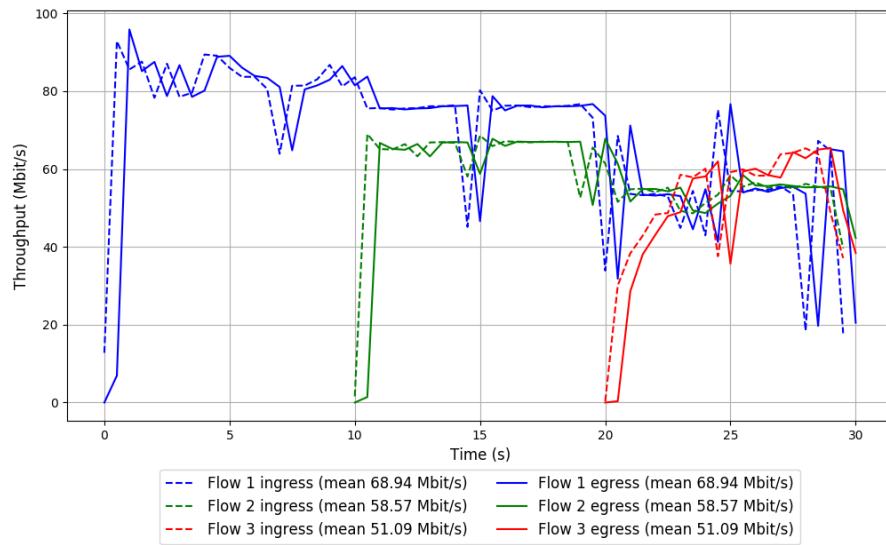


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-24 15:03:44
End at: 2018-05-24 15:04:14
Local clock offset: 0.219 ms
Remote clock offset: 1.359 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.55 Mbit/s
95th percentile per-packet one-way delay: 21.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.94 Mbit/s
95th percentile per-packet one-way delay: 19.945 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 21.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 23.364 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

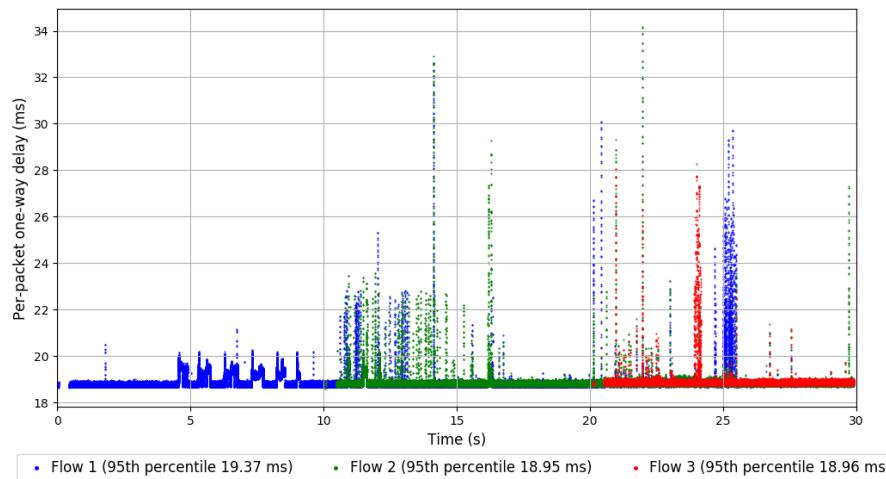
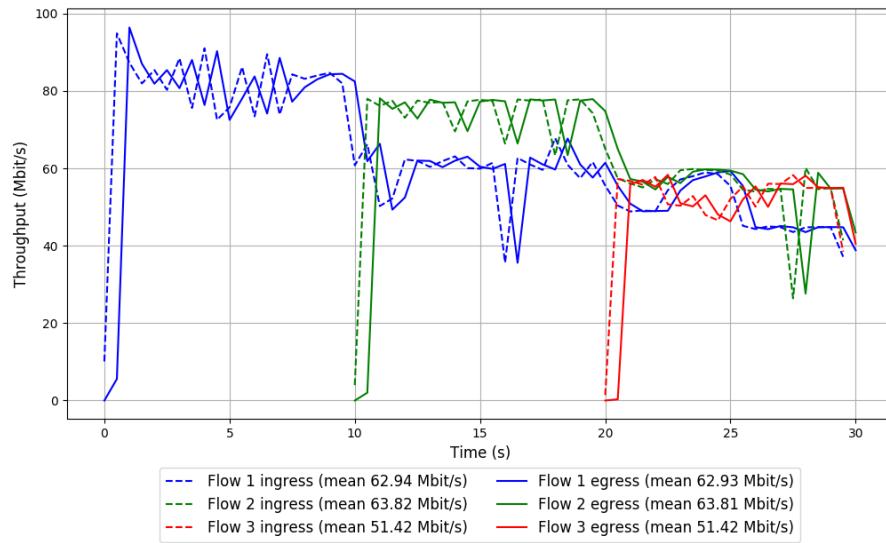


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-24 15:29:45
End at: 2018-05-24 15:30:15
Local clock offset: 0.262 ms
Remote clock offset: 0.604 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.20 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.93 Mbit/s
95th percentile per-packet one-way delay: 19.370 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 63.81 Mbit/s
95th percentile per-packet one-way delay: 18.955 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.42 Mbit/s
95th percentile per-packet one-way delay: 18.961 ms
Loss rate: 0.00%
```

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

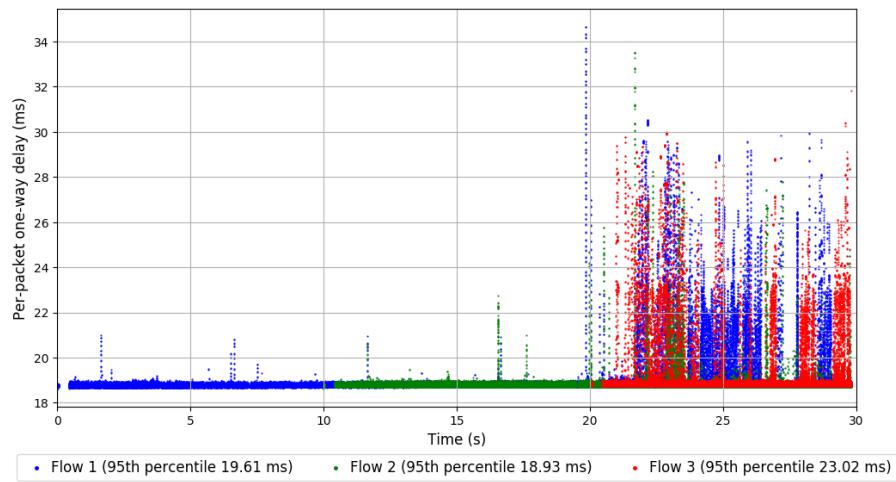
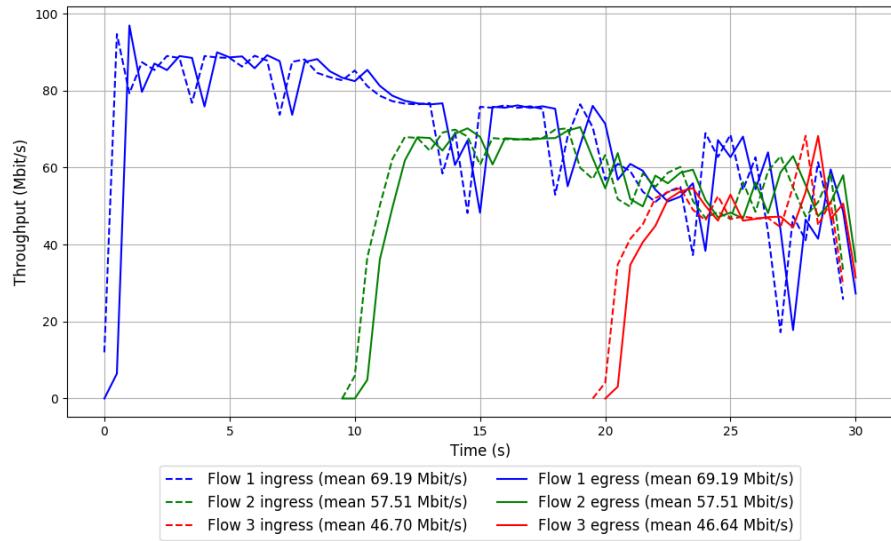


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-24 15:55:25
End at: 2018-05-24 15:55:55
Local clock offset: 0.326 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.78 Mbit/s
95th percentile per-packet one-way delay: 19.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 19.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.51 Mbit/s
95th percentile per-packet one-way delay: 18.932 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 23.021 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

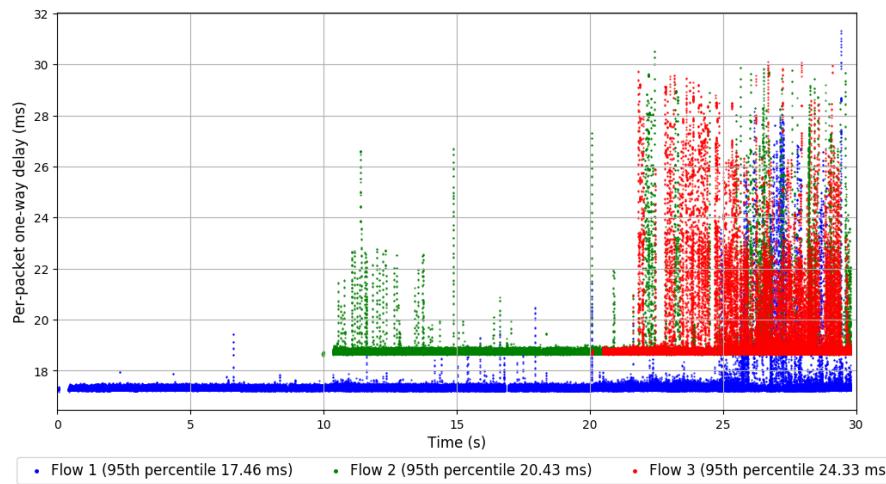
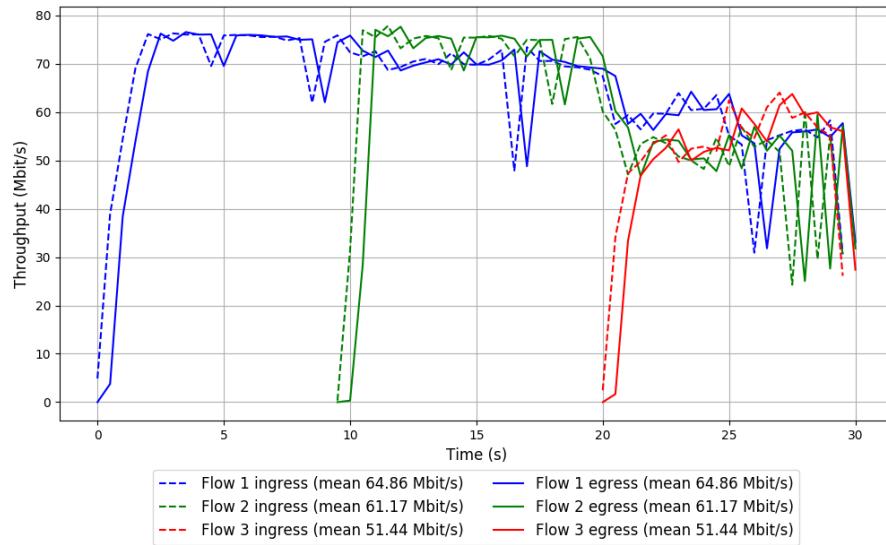


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-24 16:21:30
End at: 2018-05-24 16:22:00
Local clock offset: 0.175 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.53 Mbit/s
95th percentile per-packet one-way delay: 20.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: 17.459 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 20.430 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.44 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.01%
```

Run 6: Report of QUIC Cubic — Data Link

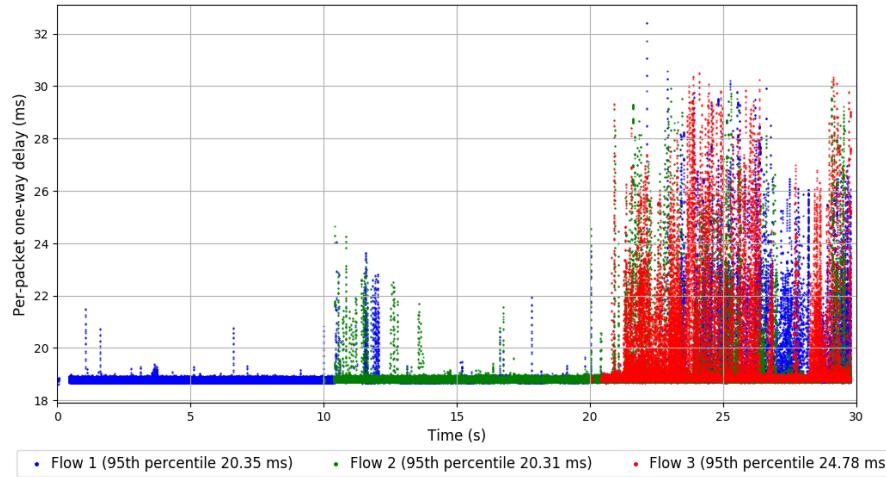
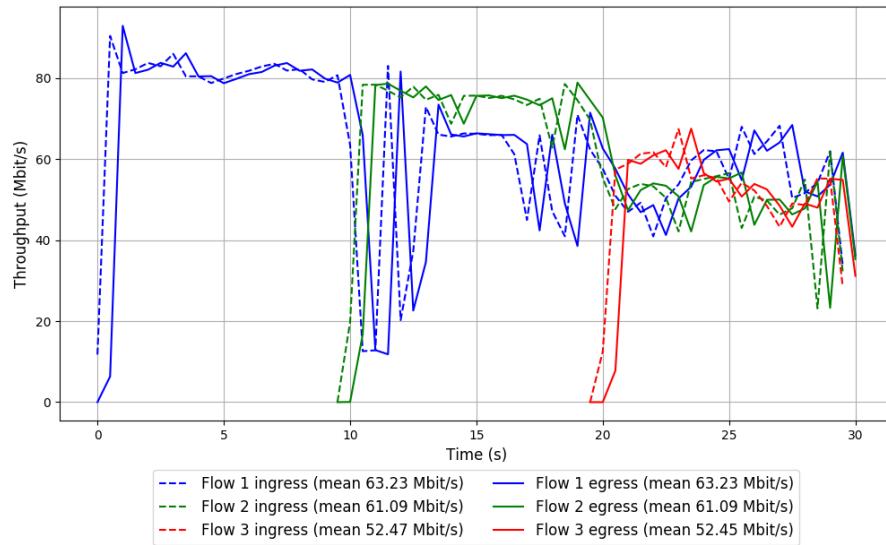


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-24 16:46:59
End at: 2018-05-24 16:47:29
Local clock offset: 0.197 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.17 Mbit/s
95th percentile per-packet one-way delay: 21.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 20.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 20.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 24.779 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

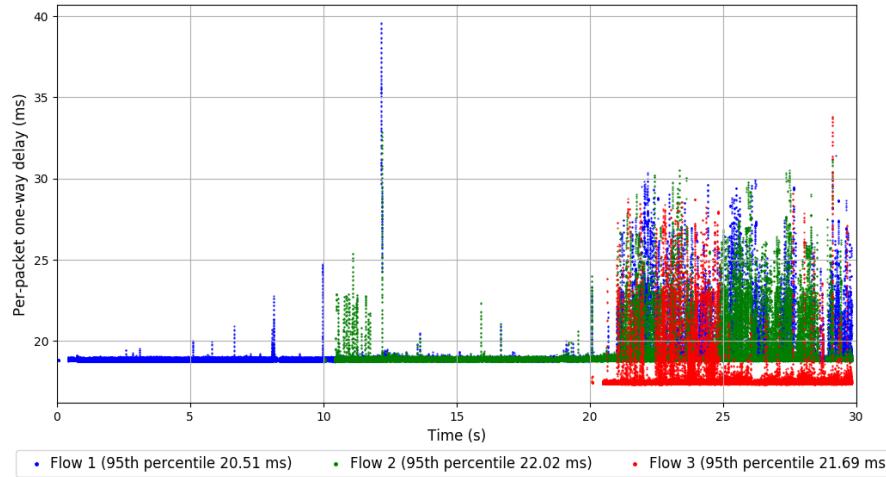
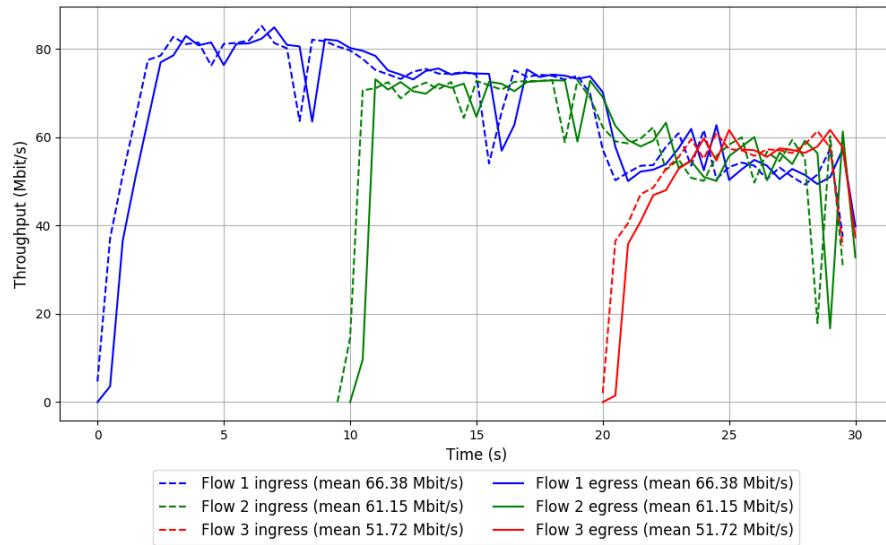


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-24 17:12:47
End at: 2018-05-24 17:13:17
Local clock offset: 0.201 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.02 Mbit/s
95th percentile per-packet one-way delay: 21.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 20.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.15 Mbit/s
95th percentile per-packet one-way delay: 22.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 21.693 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

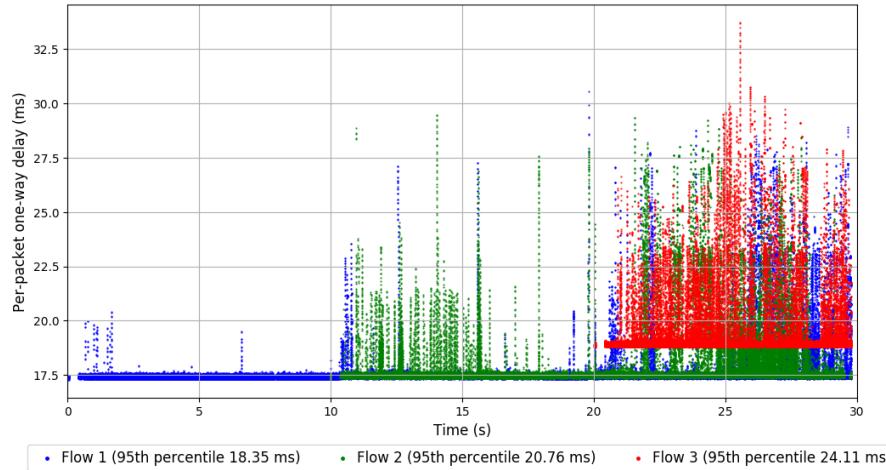
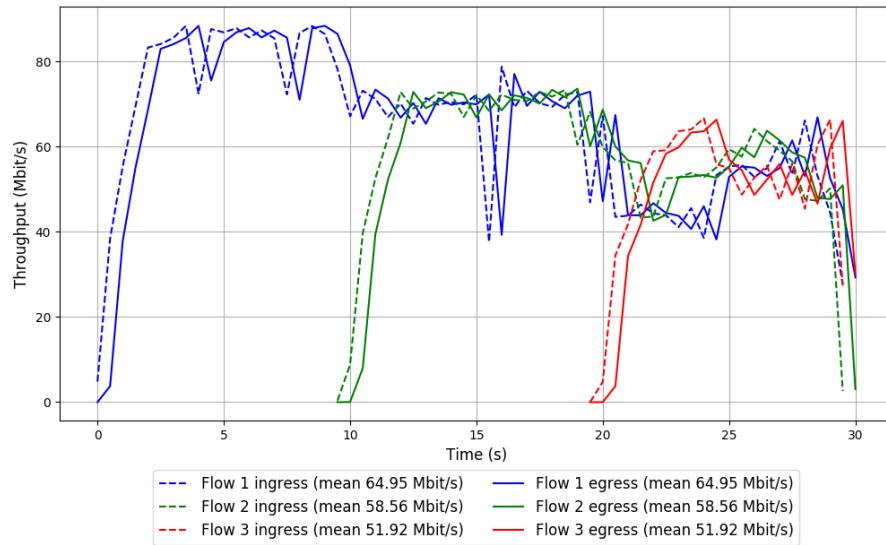


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-24 17:38:39
End at: 2018-05-24 17:39:09
Local clock offset: 0.431 ms
Remote clock offset: 0.214 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.03 Mbit/s
95th percentile per-packet one-way delay: 20.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 18.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 20.759 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 24.106 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

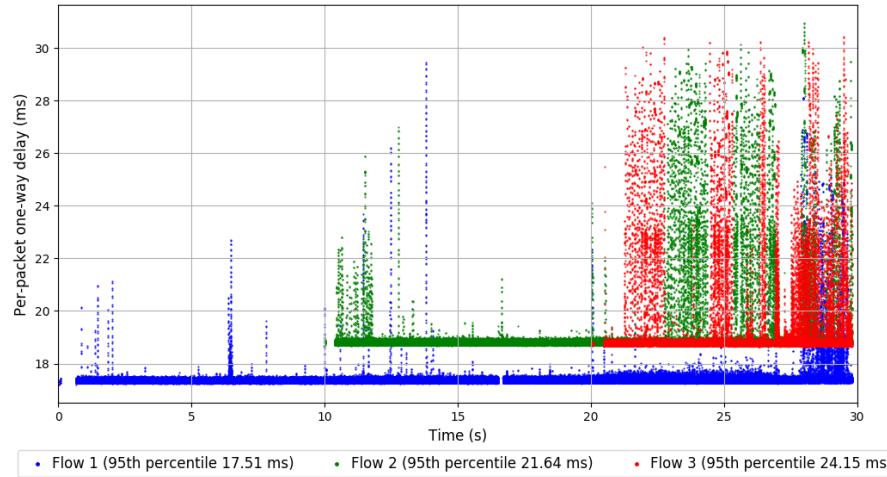
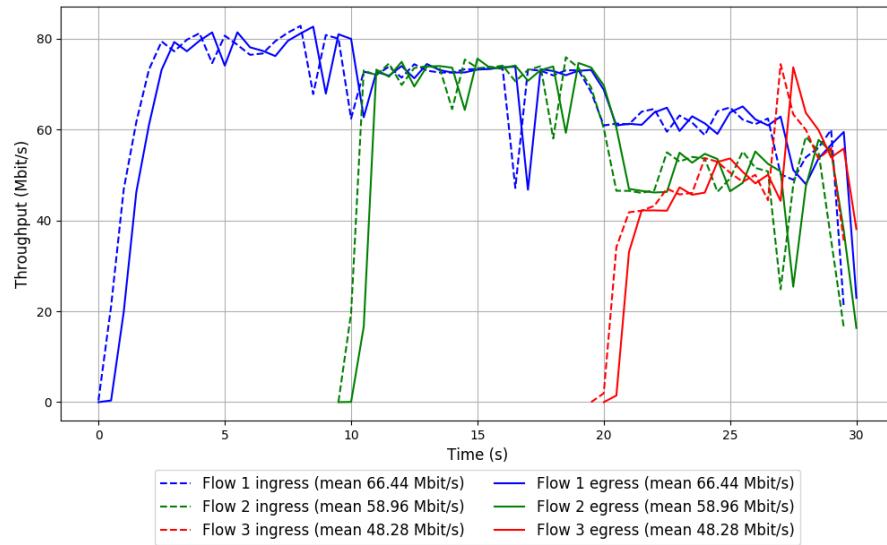


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-24 18:04:17
End at: 2018-05-24 18:04:47
Local clock offset: 0.546 ms
Remote clock offset: 0.222 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.54 Mbit/s
95th percentile per-packet one-way delay: 20.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 17.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 21.635 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 24.153 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

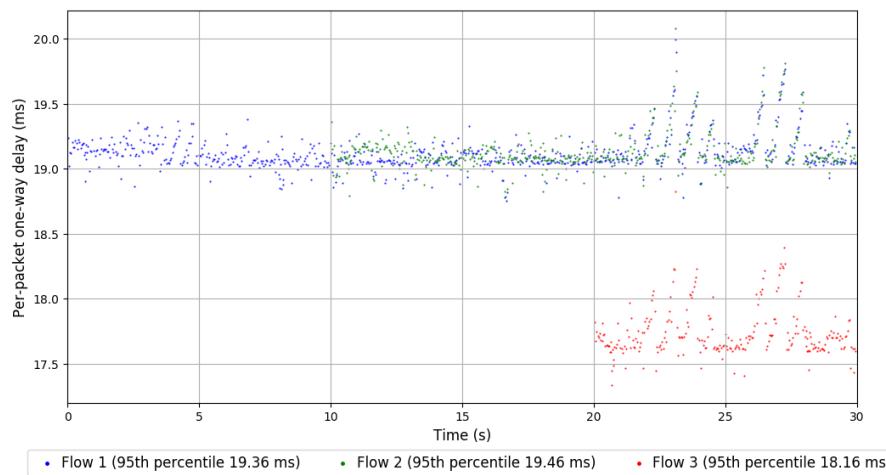
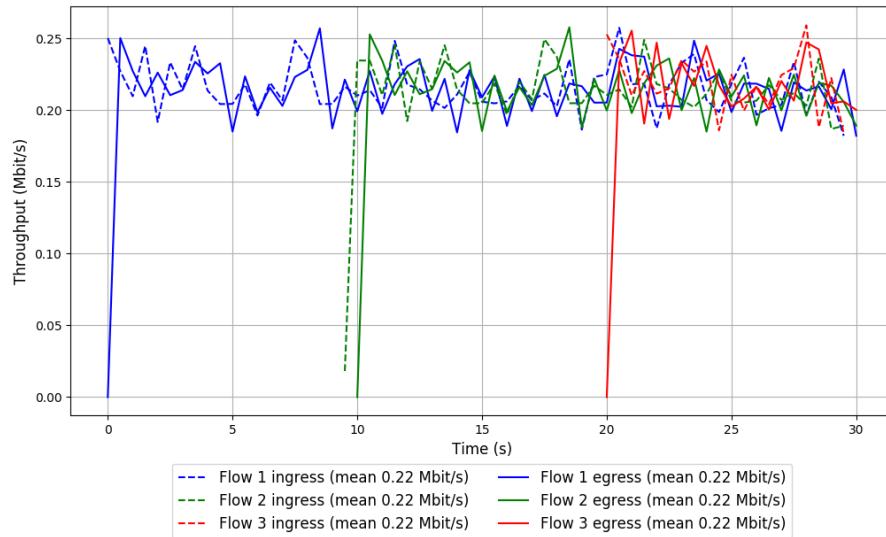


```
Run 1: Statistics of SCReAM
```

```
Start at: 2018-05-24 14:16:15
End at: 2018-05-24 14:16:45
Local clock offset: 0.395 ms
Remote clock offset: 0.418 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.159 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

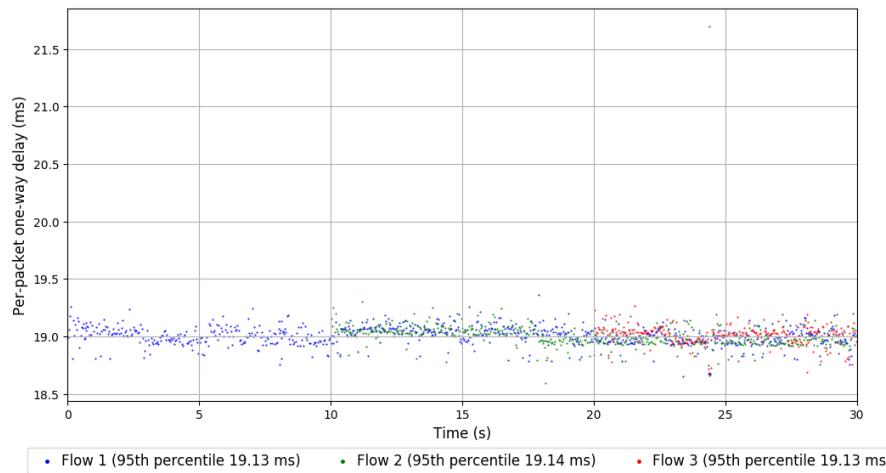
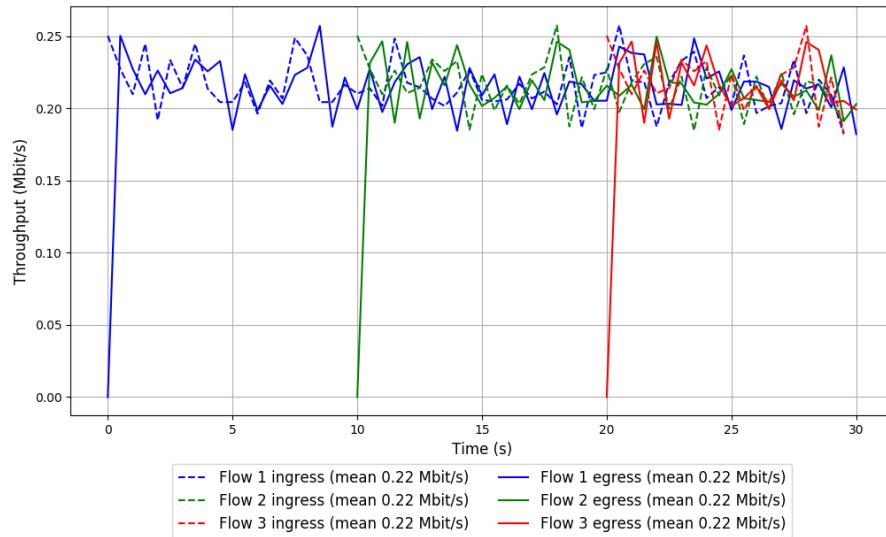


Run 2: Statistics of SCReAM

```
Start at: 2018-05-24 14:42:22
End at: 2018-05-24 14:42:52
Local clock offset: 0.188 ms
Remote clock offset: 0.873 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link

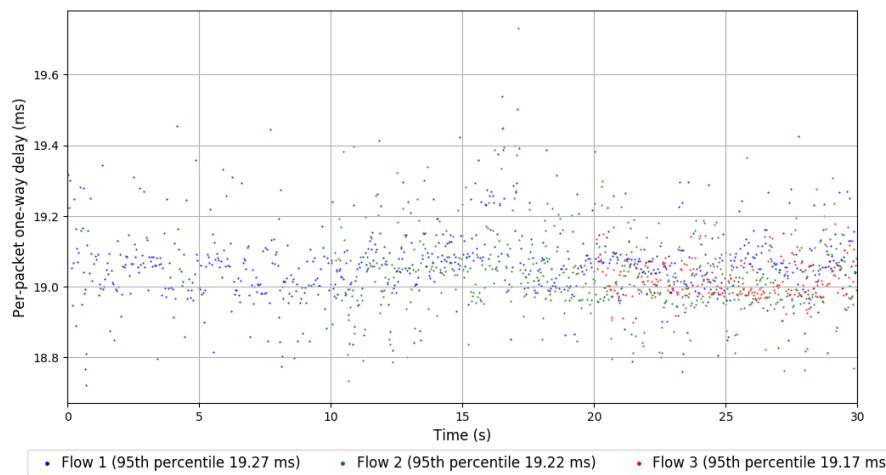
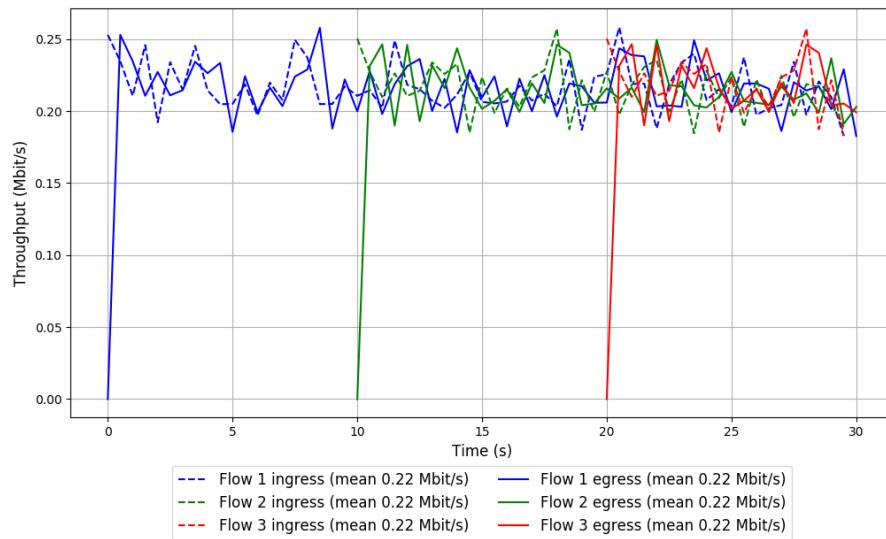


Run 3: Statistics of SCReAM

```
Start at: 2018-05-24 15:08:13
End at: 2018-05-24 15:08:43
Local clock offset: 0.242 ms
Remote clock offset: 1.53 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.220 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.00%
```

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

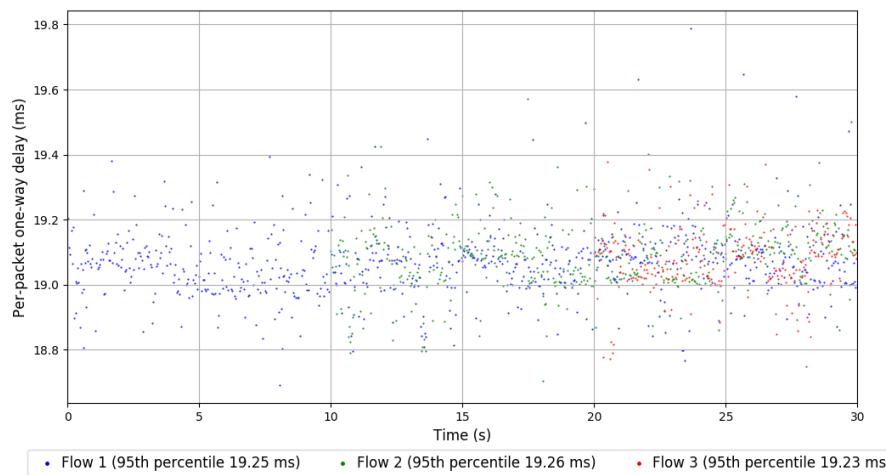
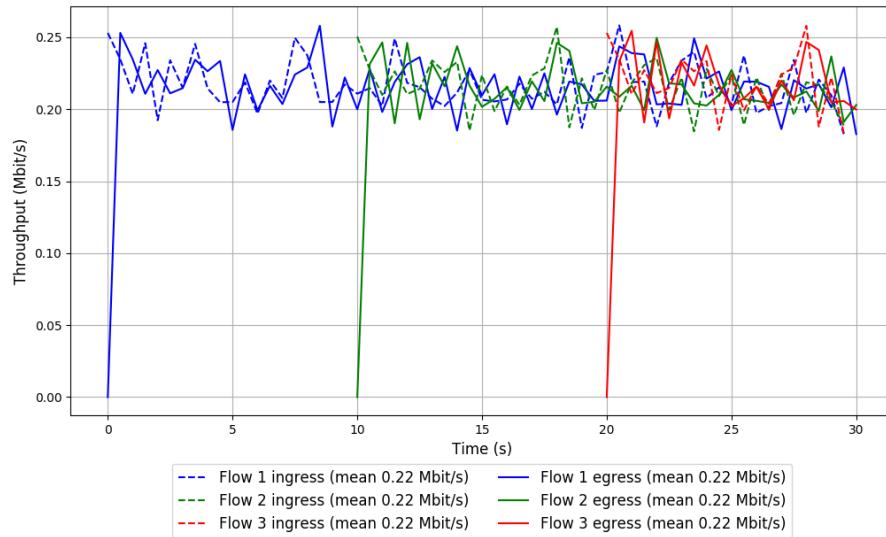


Run 4: Statistics of SCReAM

```
Start at: 2018-05-24 15:34:03
End at: 2018-05-24 15:34:33
Local clock offset: 0.309 ms
Remote clock offset: 0.581 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.229 ms
Loss rate: 0.00%
```

## Run 4: Report of SCReAM — Data Link

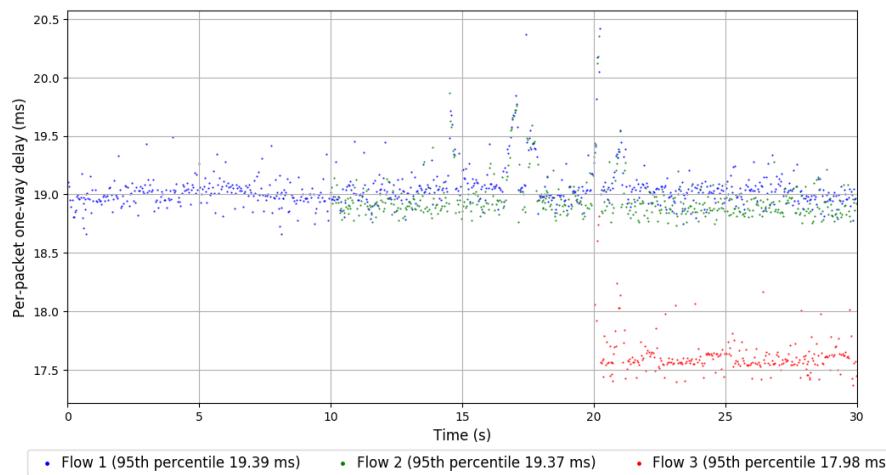
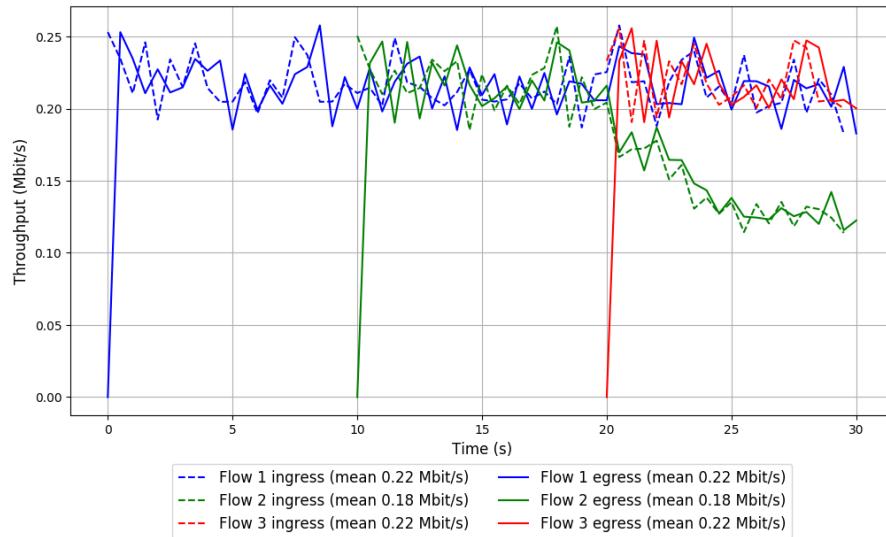


Run 5: Statistics of SCReAM

```
Start at: 2018-05-24 15:59:48
End at: 2018-05-24 16:00:18
Local clock offset: 0.392 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 19.338 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 19.367 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.981 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

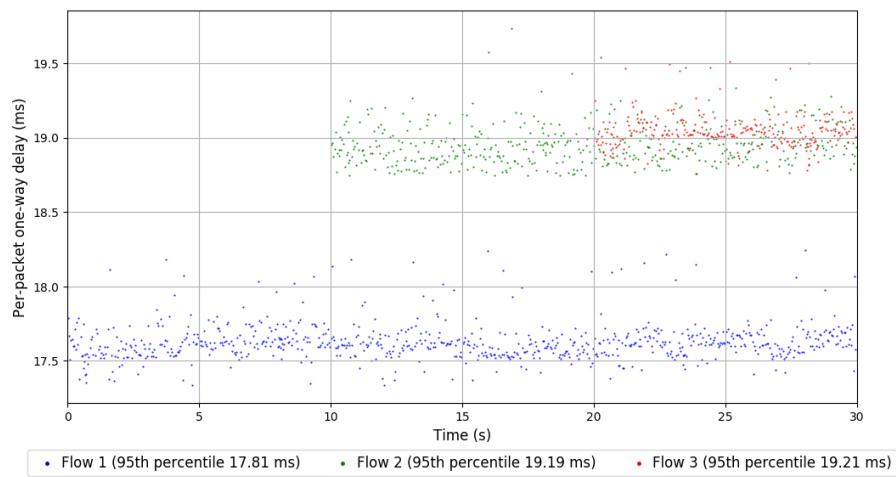
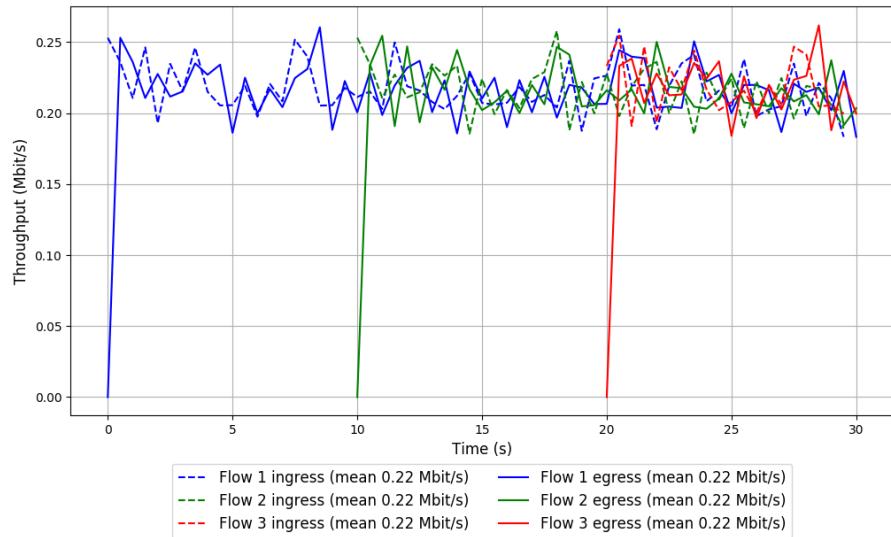


Run 6: Statistics of SCReAM

```
Start at: 2018-05-24 16:25:50
End at: 2018-05-24 16:26:20
Local clock offset: 0.14 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.806 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.00%
```

## Run 6: Report of SCReAM — Data Link

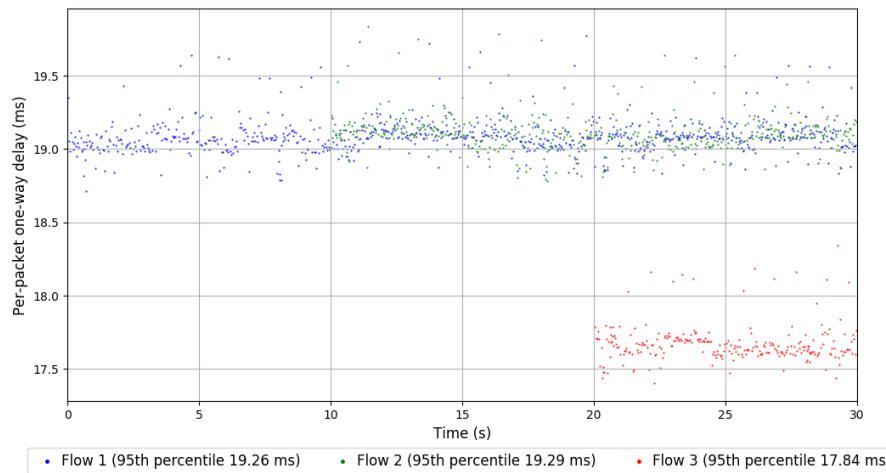
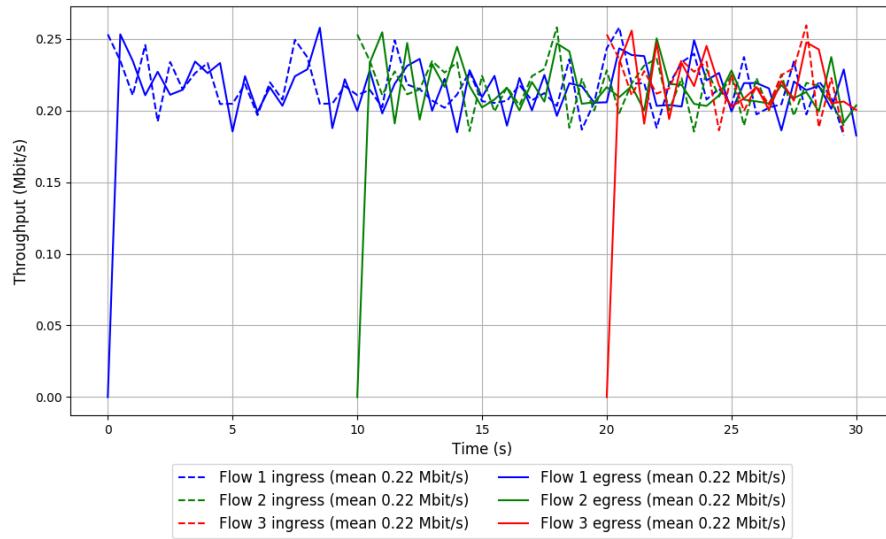


Run 7: Statistics of SCReAM

```
Start at: 2018-05-24 16:51:24
End at: 2018-05-24 16:51:54
Local clock offset: 0.108 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.835 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

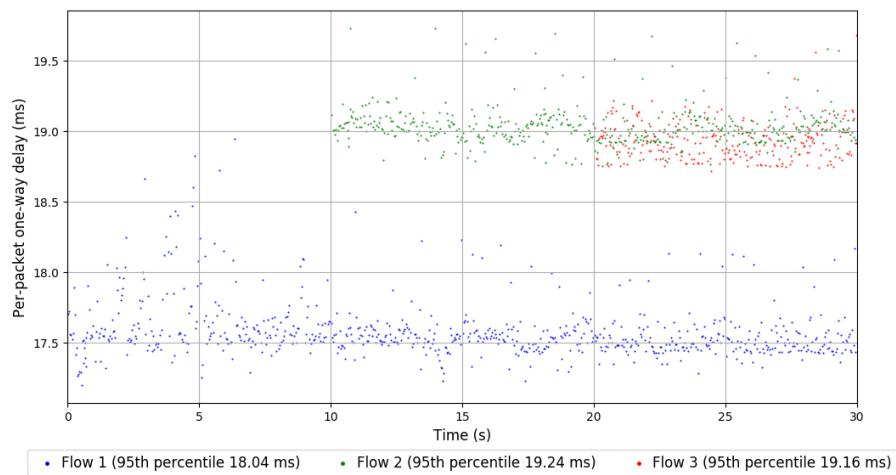
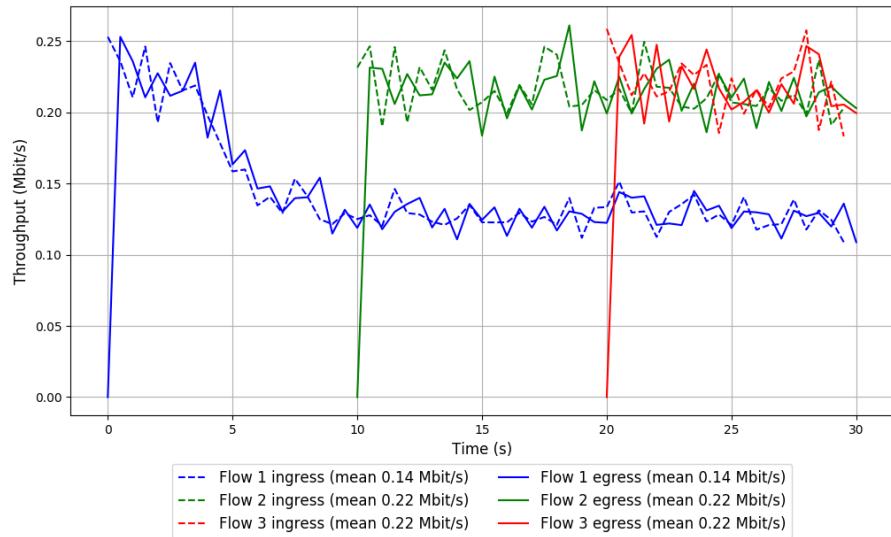


Run 8: Statistics of SCReAM

```
Start at: 2018-05-24 17:17:08
End at: 2018-05-24 17:17:38
Local clock offset: 0.287 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 18.039 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

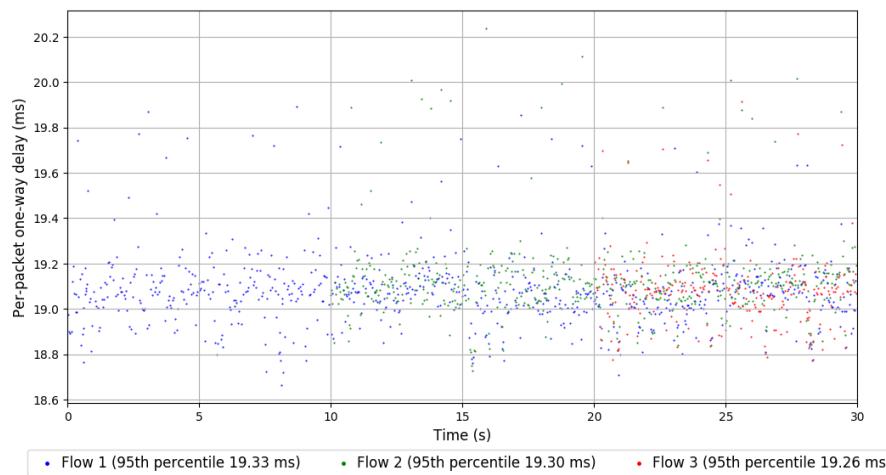
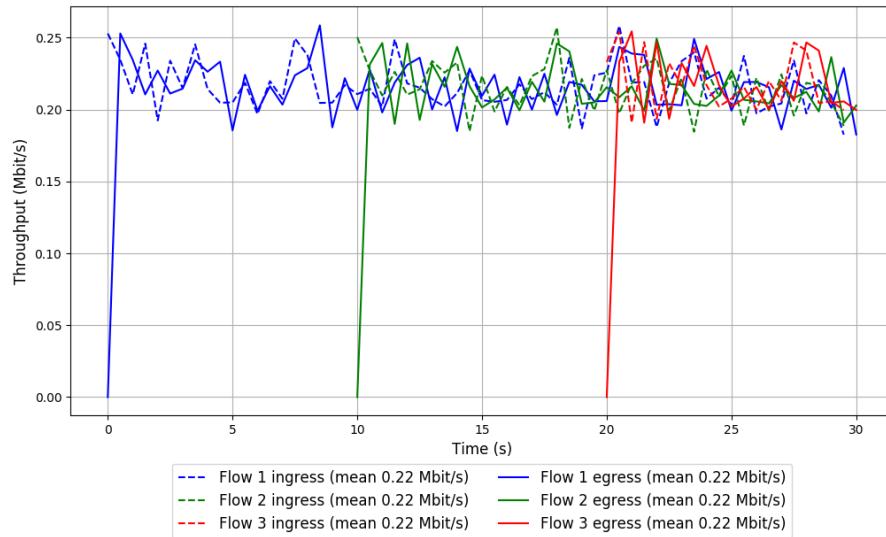


Run 9: Statistics of SCReAM

```
Start at: 2018-05-24 17:42:55
End at: 2018-05-24 17:43:25
Local clock offset: 0.556 ms
Remote clock offset: 0.254 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.263 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

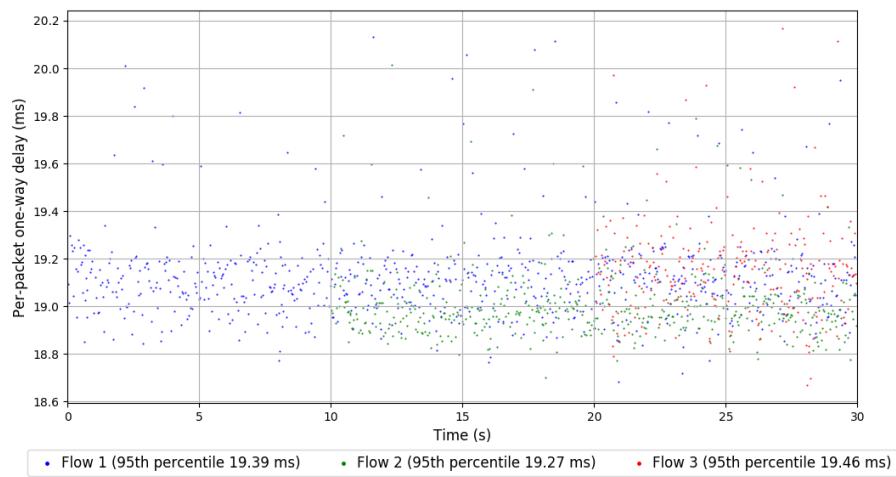
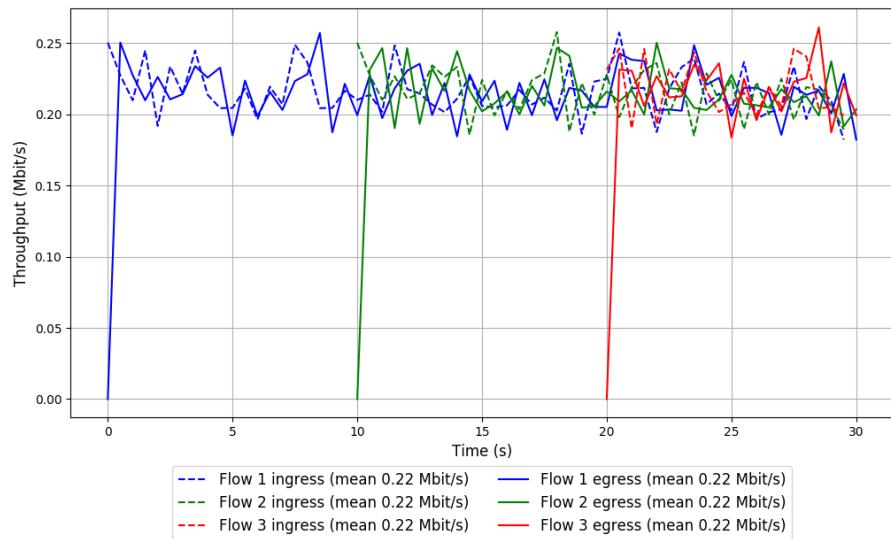


Run 10: Statistics of SCReAM

```
Start at: 2018-05-24 18:08:41
End at: 2018-05-24 18:09:11
Local clock offset: 0.464 ms
Remote clock offset: 0.169 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.463 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

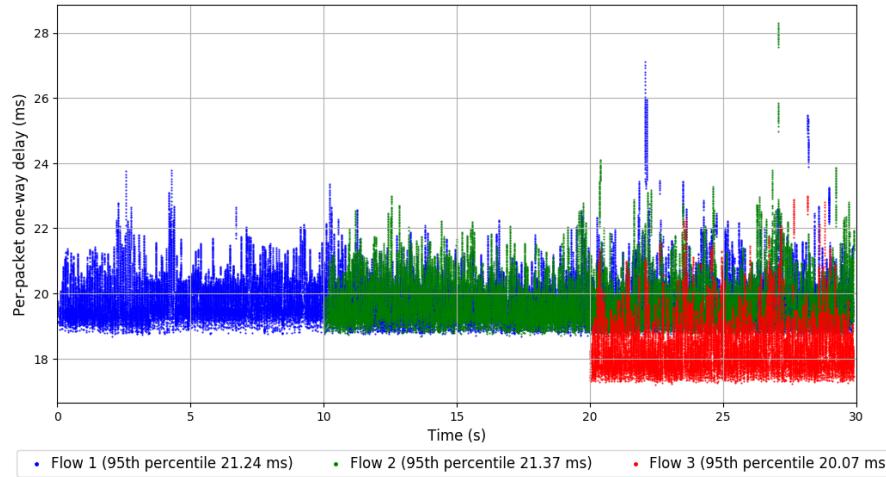
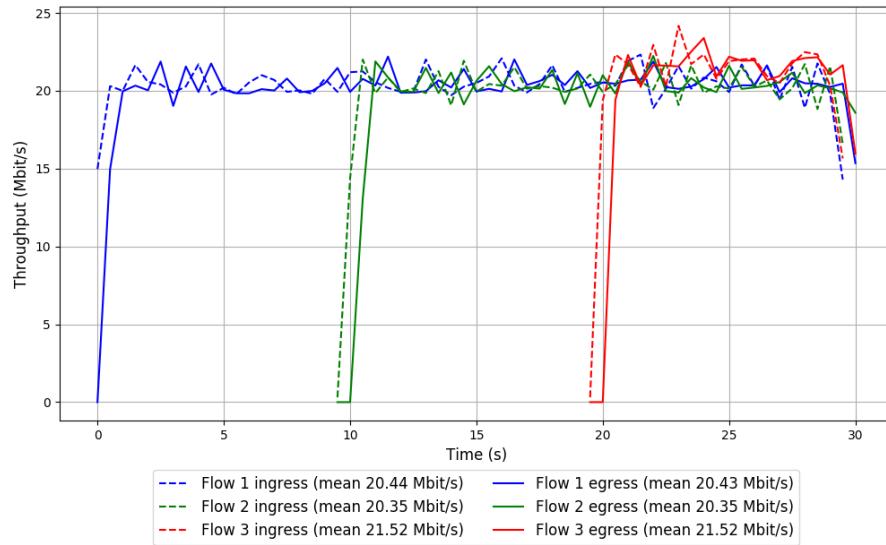


Run 1: Statistics of Sprout

```
Start at: 2018-05-24 14:14:55
End at: 2018-05-24 14:15:25
Local clock offset: 0.468 ms
Remote clock offset: 0.412 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 21.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 21.243 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 21.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 20.067 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

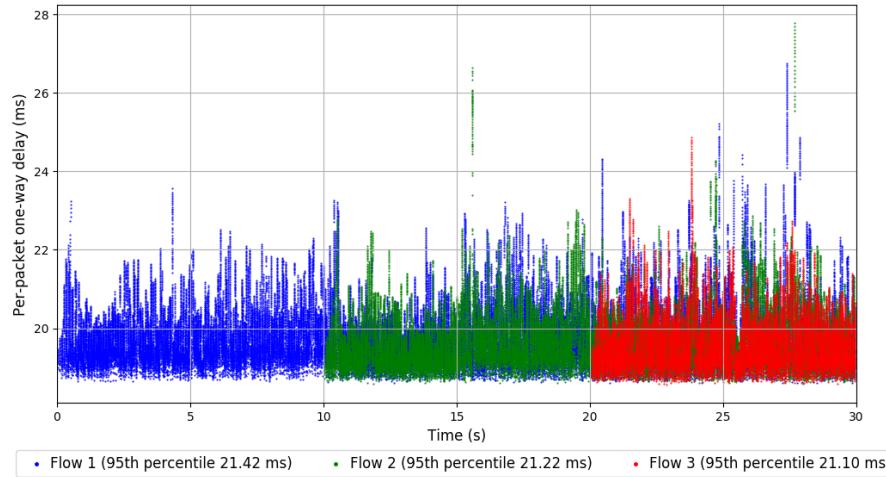
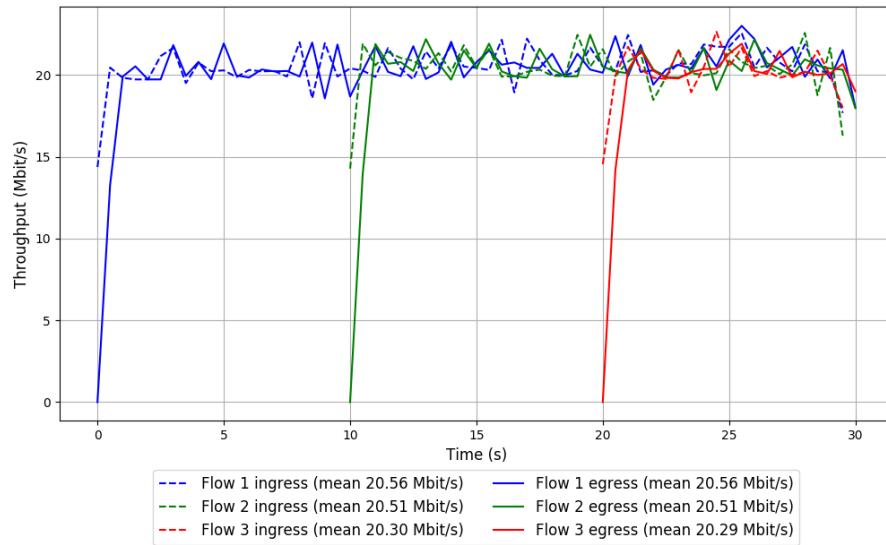


Run 2: Statistics of Sprout

```
Start at: 2018-05-24 14:41:02
End at: 2018-05-24 14:41:32
Local clock offset: 0.279 ms
Remote clock offset: 0.862 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 21.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 21.419 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 21.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 21.102 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

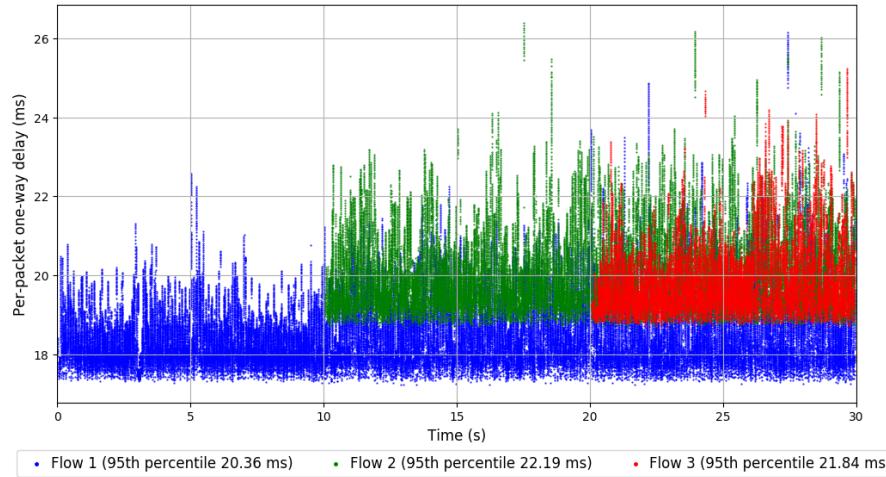
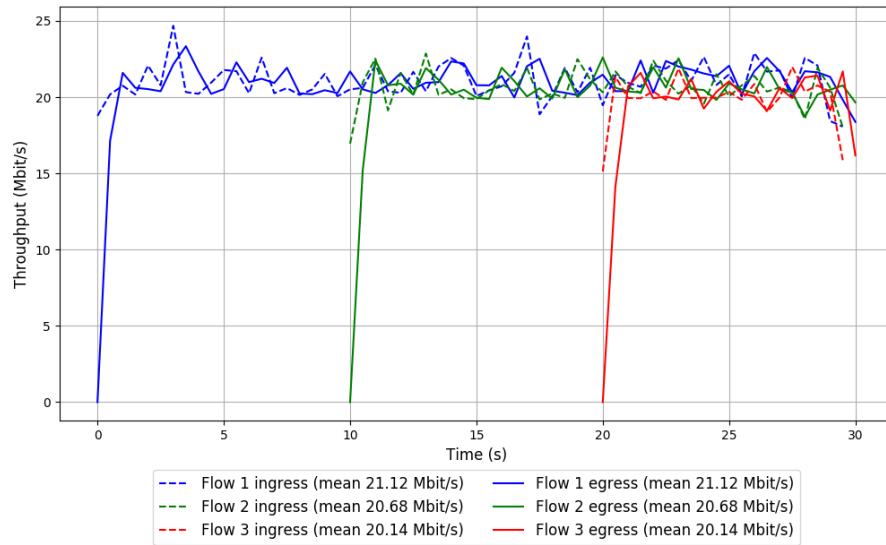


Run 3: Statistics of Sprout

```
Start at: 2018-05-24 15:06:52
End at: 2018-05-24 15:07:22
Local clock offset: 0.134 ms
Remote clock offset: 1.438 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 21.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 20.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 22.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 21.842 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

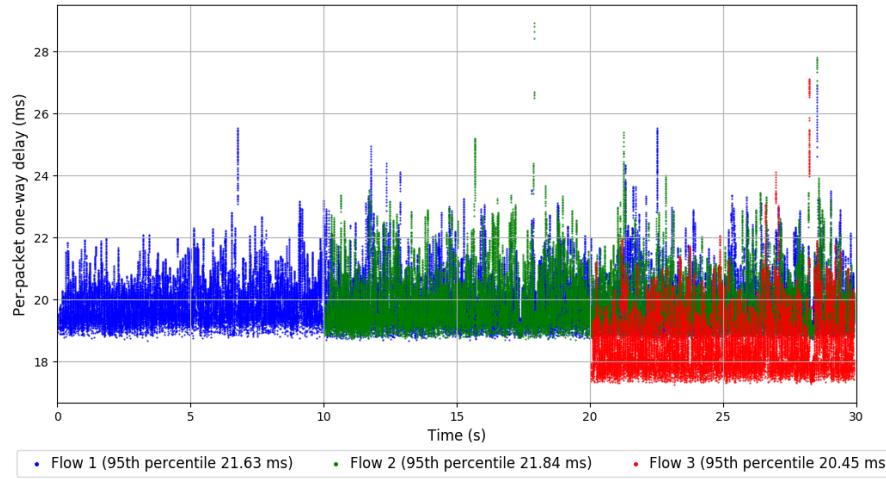
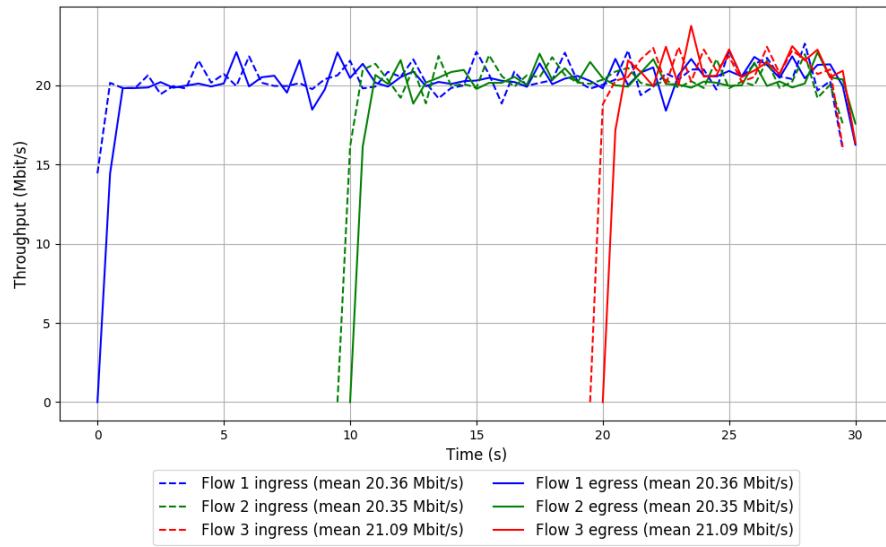


Run 4: Statistics of Sprout

```
Start at: 2018-05-24 15:32:42
End at: 2018-05-24 15:33:12
Local clock offset: 0.292 ms
Remote clock offset: 0.565 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 21.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 21.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 21.840 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 20.446 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

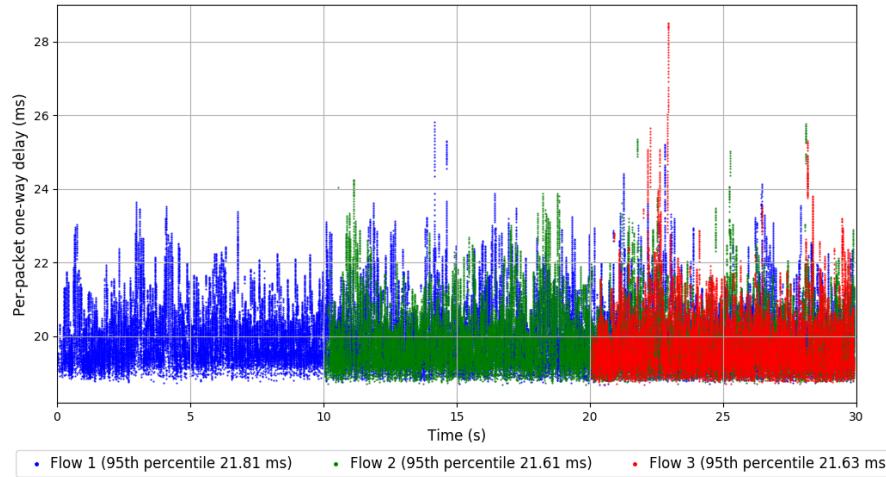
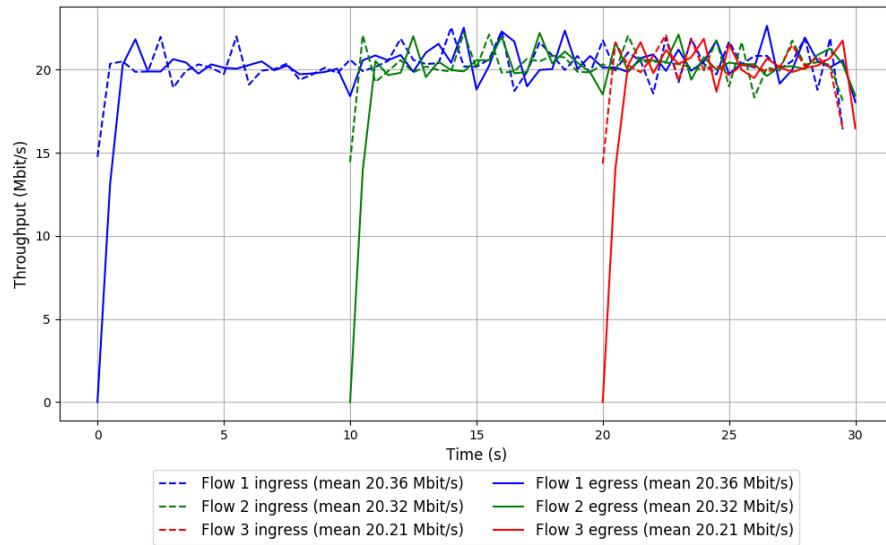


Run 5: Statistics of Sprout

```
Start at: 2018-05-24 15:58:28
End at: 2018-05-24 15:58:58
Local clock offset: 0.33 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 21.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 21.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 21.612 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 21.629 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

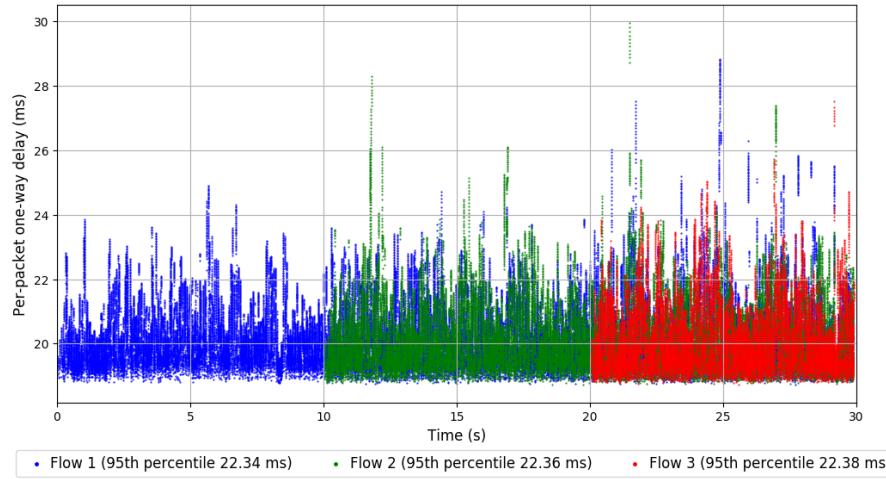
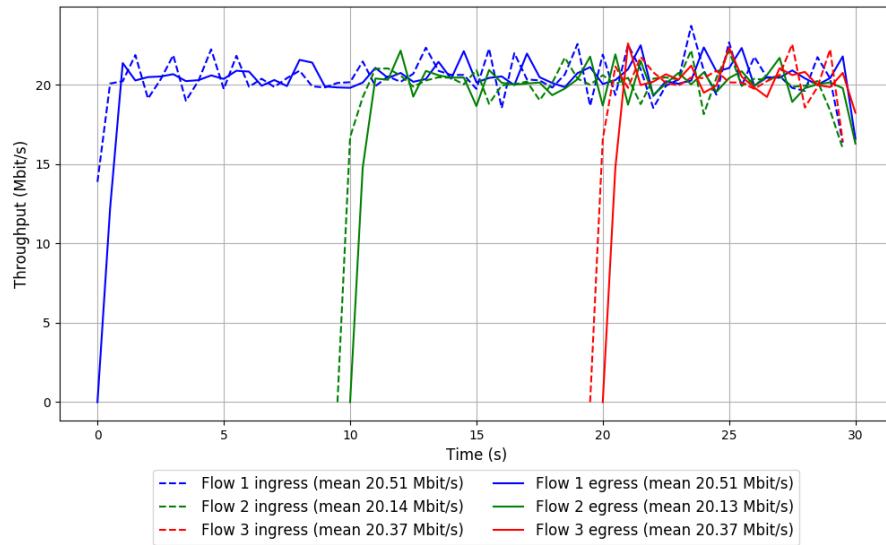


Run 6: Statistics of Sprout

```
Start at: 2018-05-24 16:24:30
End at: 2018-05-24 16:25:00
Local clock offset: 0.045 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 22.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 22.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.13 Mbit/s
95th percentile per-packet one-way delay: 22.361 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 22.377 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

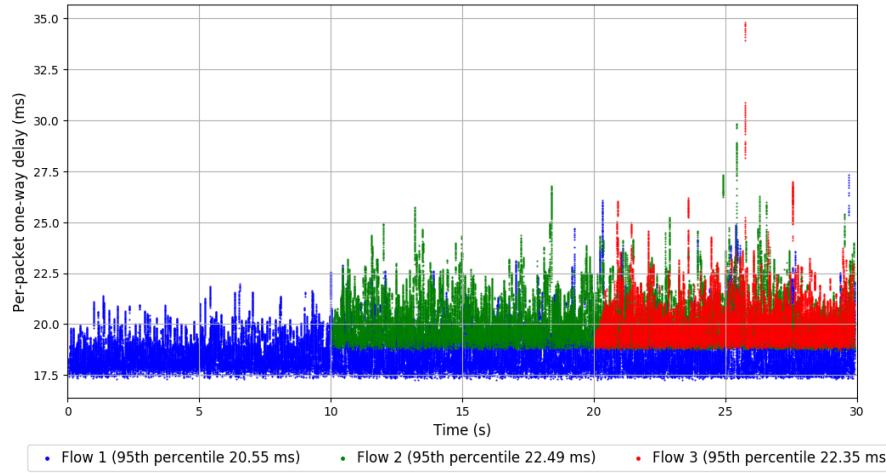
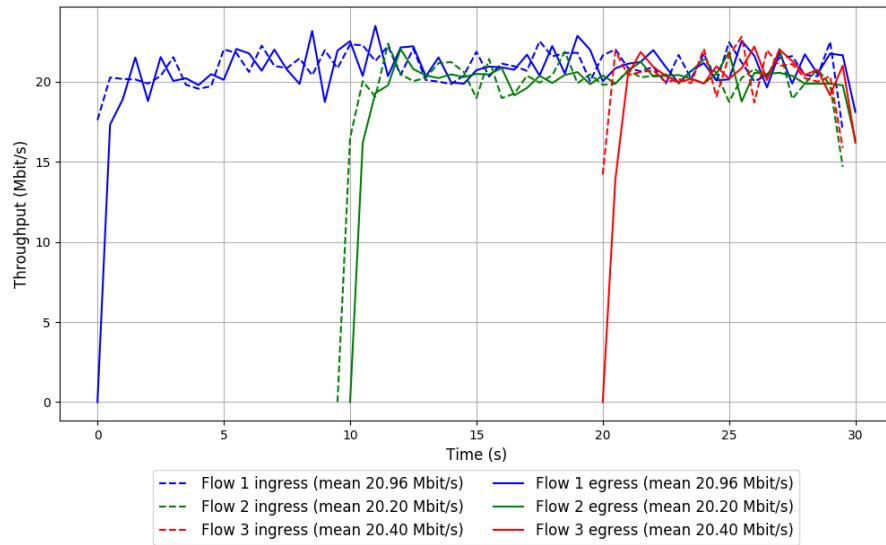


Run 7: Statistics of Sprout

```
Start at: 2018-05-24 16:50:03
End at: 2018-05-24 16:50:33
Local clock offset: 0.121 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.13 Mbit/s
95th percentile per-packet one-way delay: 21.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 20.552 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 22.487 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 22.354 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

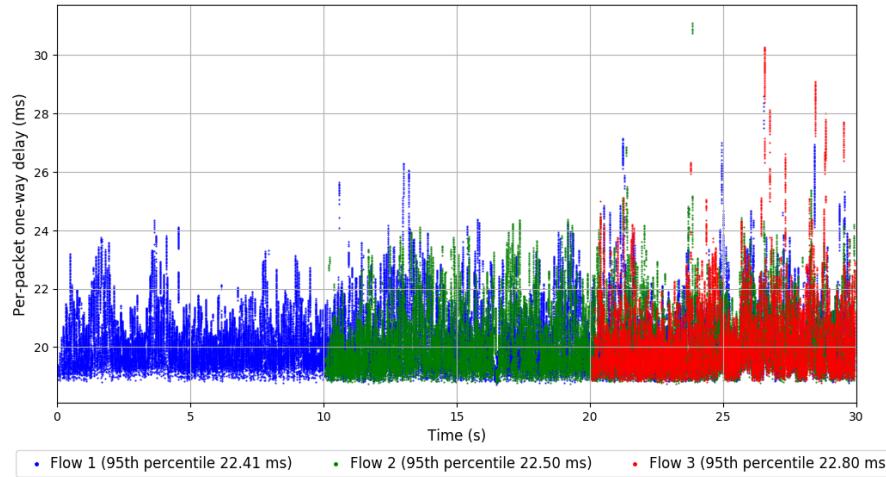
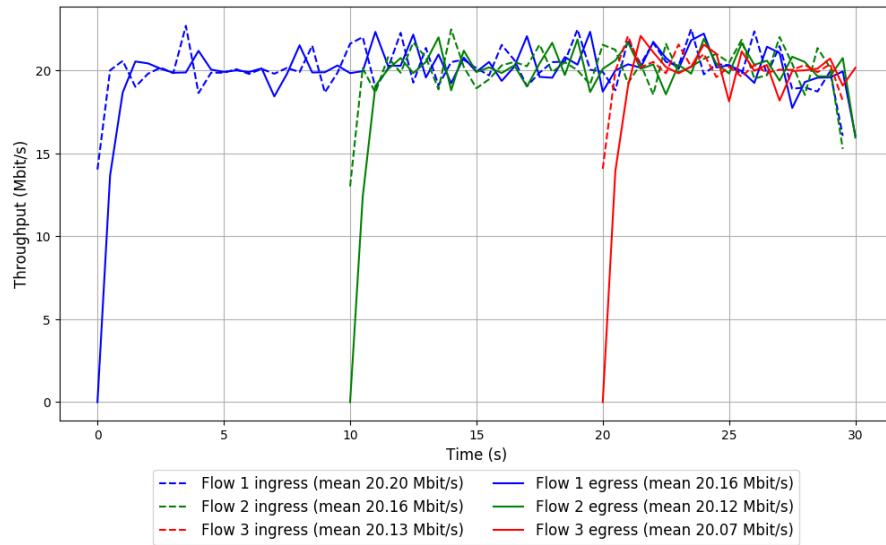


Run 8: Statistics of Sprout

```
Start at: 2018-05-24 17:15:48
End at: 2018-05-24 17:16:18
Local clock offset: 0.208 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 22.495 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 22.407 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 22.503 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 22.800 ms
Loss rate: 0.28%
```

Run 8: Report of Sprout — Data Link

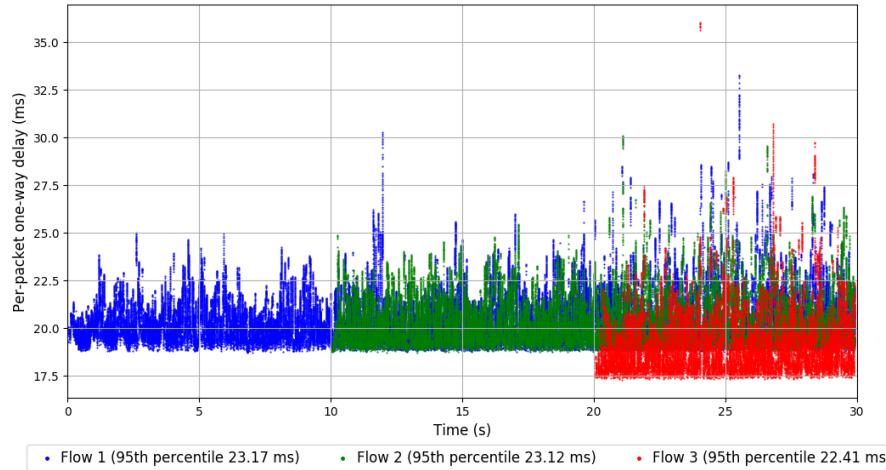
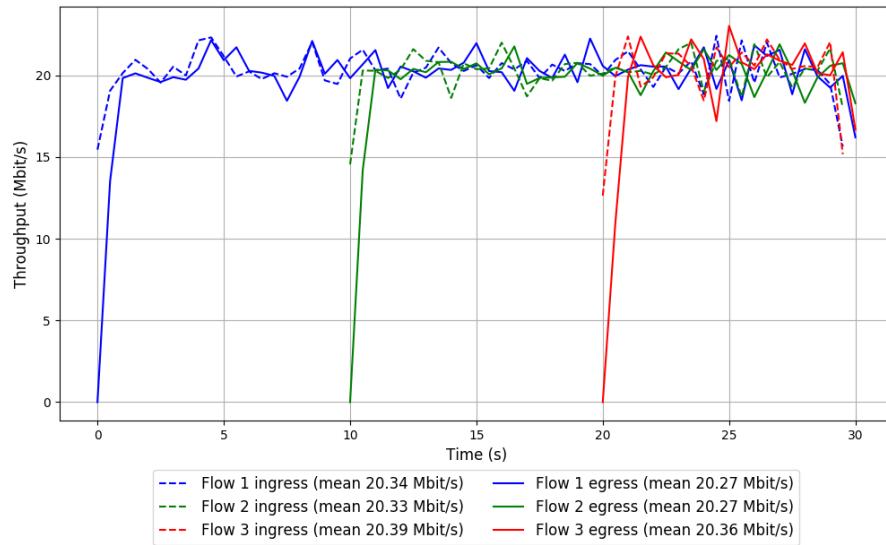


Run 9: Statistics of Sprout

```
Start at: 2018-05-24 17:41:35
End at: 2018-05-24 17:42:05
Local clock offset: 0.534 ms
Remote clock offset: 0.239 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 23.082 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 23.170 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 23.116 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 22.410 ms
Loss rate: 0.11%
```

## Run 9: Report of Sprout — Data Link

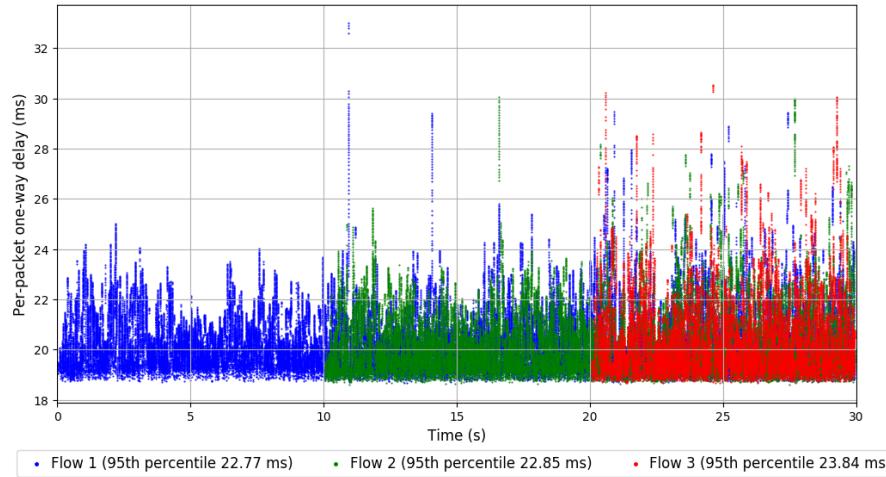
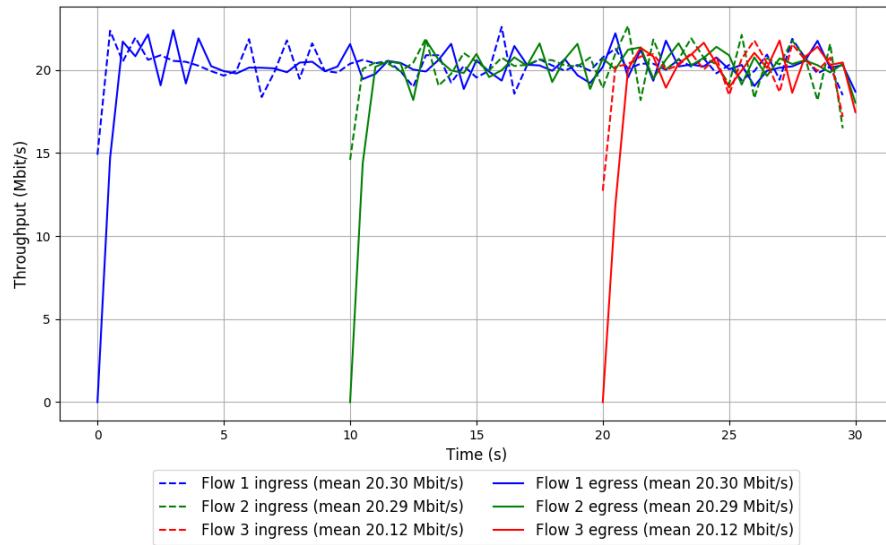


Run 10: Statistics of Sprout

```
Start at: 2018-05-24 18:07:20
End at: 2018-05-24 18:07:50
Local clock offset: 0.471 ms
Remote clock offset: 0.133 ms

# Below is generated by plot.py at 2018-05-24 20:10:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 22.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 22.775 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 22.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 23.836 ms
Loss rate: 0.00%
```

## Run 10: Report of Sprout — Data Link

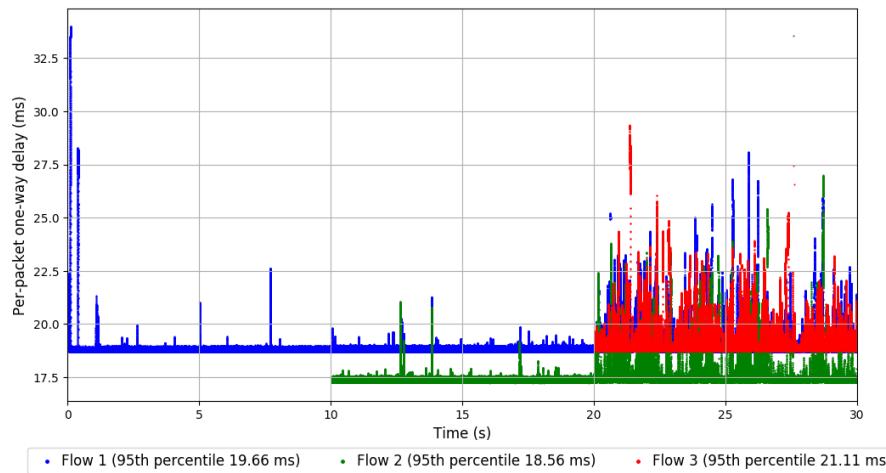
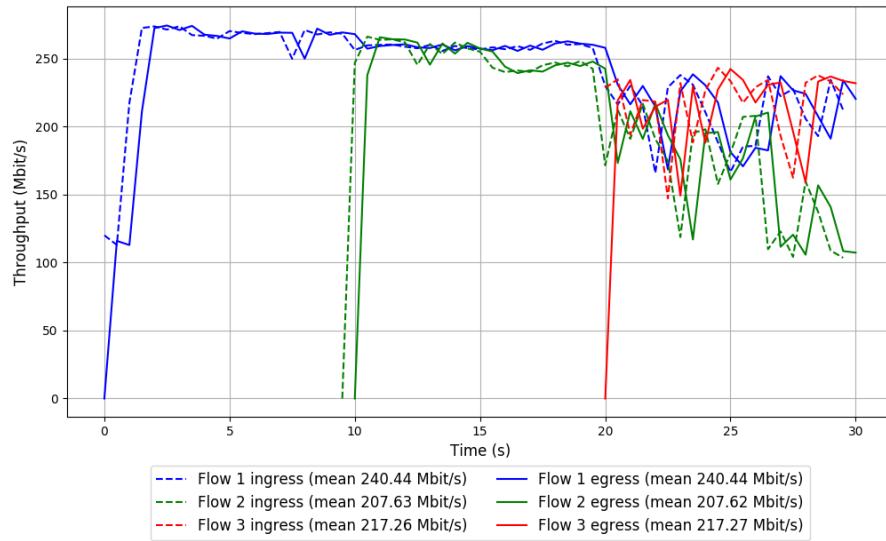


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-24 13:59:42
End at: 2018-05-24 14:00:12
Local clock offset: 0.179 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-24 20:18:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.08 Mbit/s
95th percentile per-packet one-way delay: 19.930 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 240.44 Mbit/s
95th percentile per-packet one-way delay: 19.658 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 207.62 Mbit/s
95th percentile per-packet one-way delay: 18.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 217.27 Mbit/s
95th percentile per-packet one-way delay: 21.107 ms
Loss rate: 0.01%
```

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

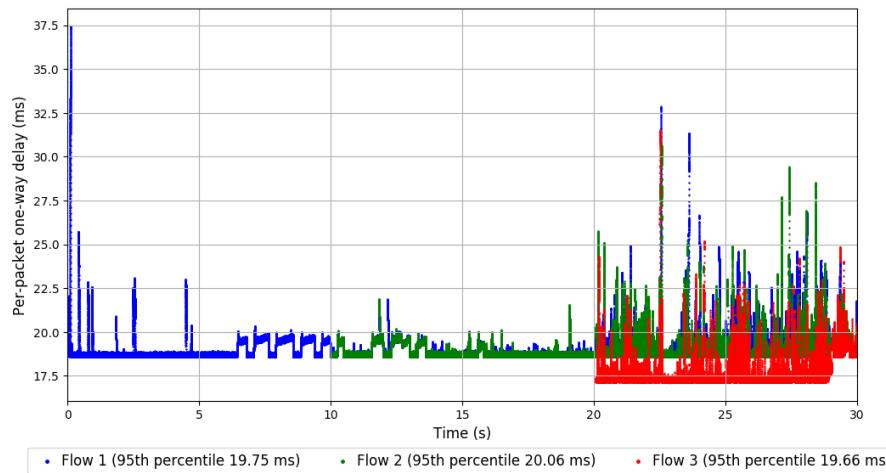
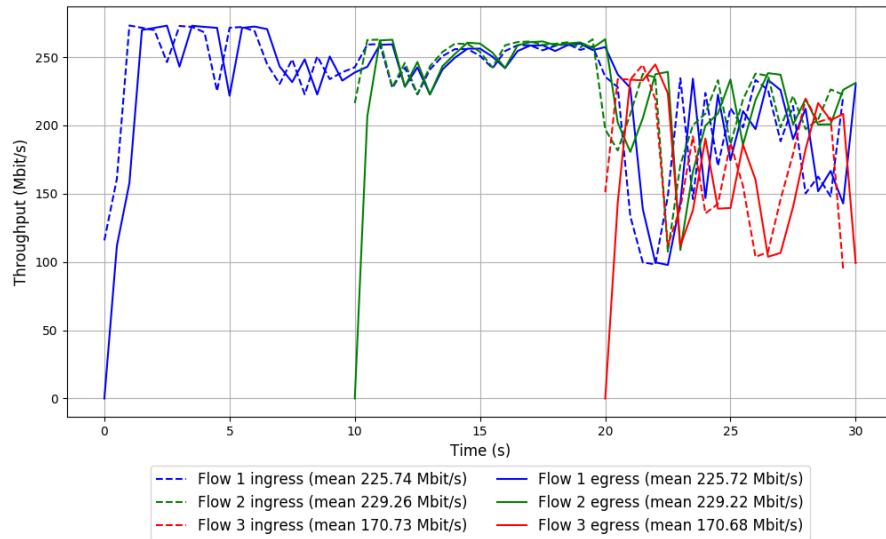


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-24 14:25:36
End at: 2018-05-24 14:26:06
Local clock offset: 0.527 ms
Remote clock offset: 0.488 ms

# Below is generated by plot.py at 2018-05-24 20:18:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.23 Mbit/s
95th percentile per-packet one-way delay: 19.813 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 225.72 Mbit/s
95th percentile per-packet one-way delay: 19.747 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 229.22 Mbit/s
95th percentile per-packet one-way delay: 20.062 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 170.68 Mbit/s
95th percentile per-packet one-way delay: 19.665 ms
Loss rate: 0.01%
```

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

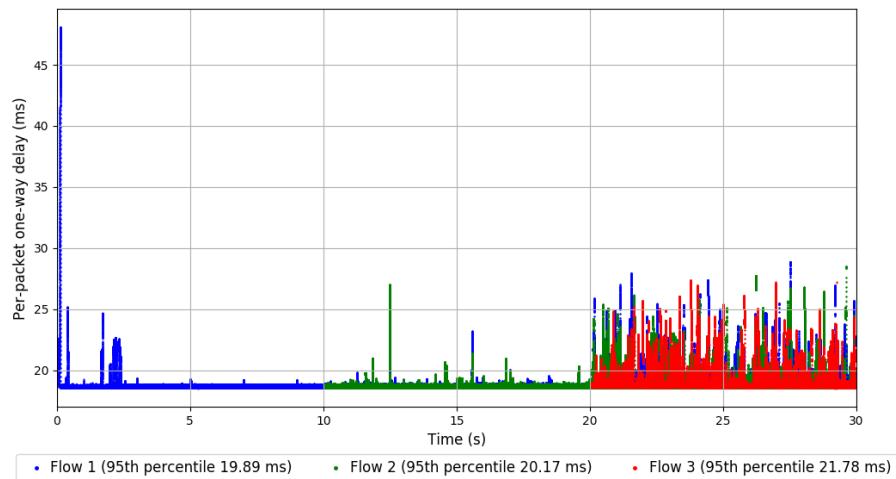
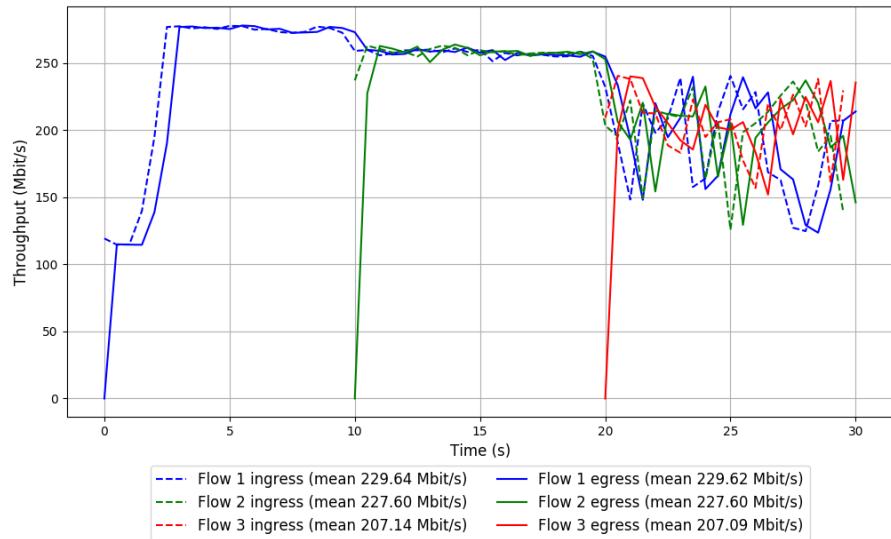


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-24 14:51:35
End at: 2018-05-24 14:52:05
Local clock offset: 0.198 ms
Remote clock offset: 1.006 ms

# Below is generated by plot.py at 2018-05-24 20:18:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 450.08 Mbit/s
95th percentile per-packet one-way delay: 20.433 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 229.62 Mbit/s
95th percentile per-packet one-way delay: 19.887 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 227.60 Mbit/s
95th percentile per-packet one-way delay: 20.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 207.09 Mbit/s
95th percentile per-packet one-way delay: 21.778 ms
Loss rate: 0.01%
```

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

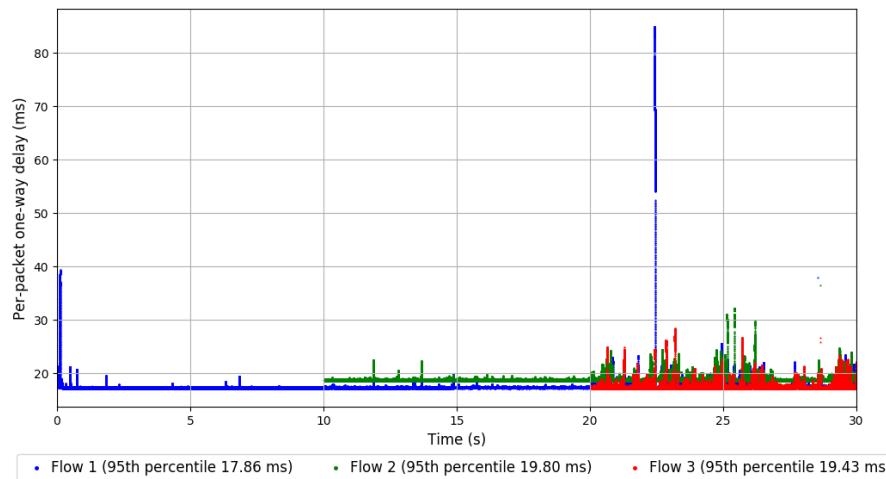
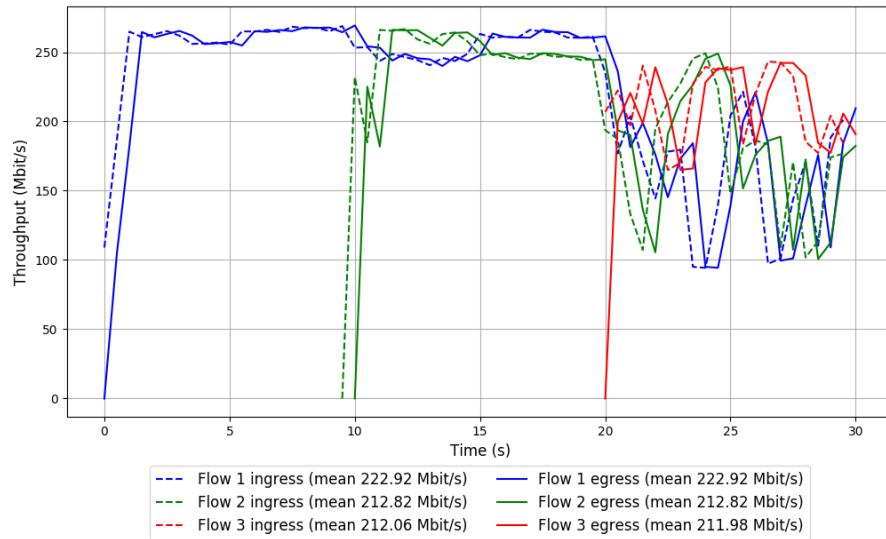


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-24 15:17:46
End at: 2018-05-24 15:18:16
Local clock offset: 0.244 ms
Remote clock offset: 0.821 ms

# Below is generated by plot.py at 2018-05-24 20:18:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.23 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.92 Mbit/s
95th percentile per-packet one-way delay: 17.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 212.82 Mbit/s
95th percentile per-packet one-way delay: 19.795 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 211.98 Mbit/s
95th percentile per-packet one-way delay: 19.434 ms
Loss rate: 0.02%
```

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

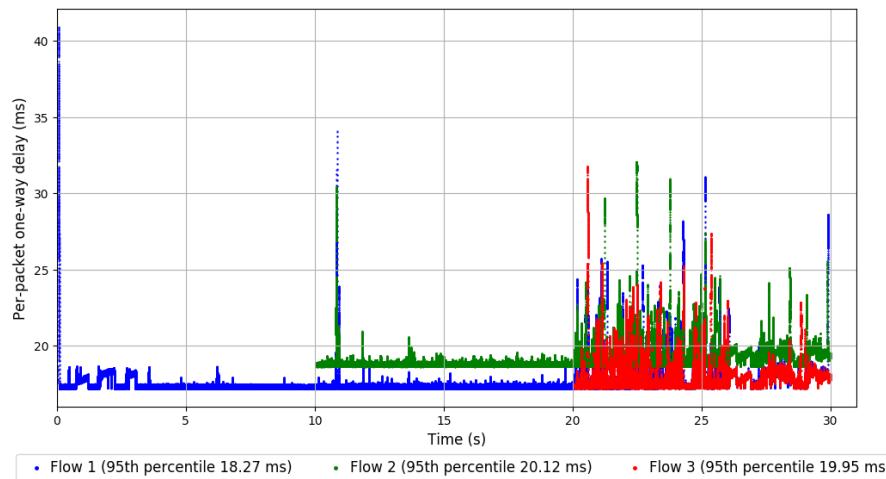
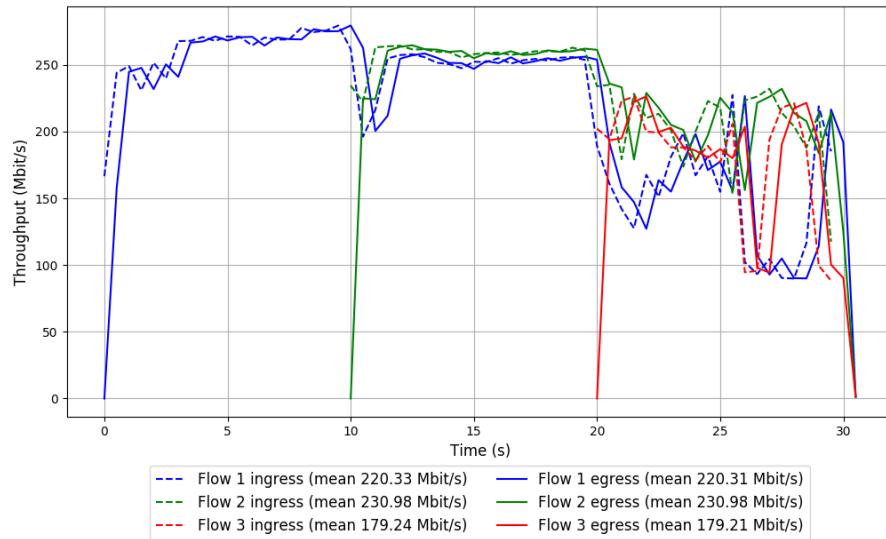


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-24 15:43:30
End at: 2018-05-24 15:44:00
Local clock offset: 0.383 ms
Remote clock offset: 0.444 ms

# Below is generated by plot.py at 2018-05-24 20:19:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.69 Mbit/s
95th percentile per-packet one-way delay: 19.669 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 220.31 Mbit/s
95th percentile per-packet one-way delay: 18.266 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 230.98 Mbit/s
95th percentile per-packet one-way delay: 20.120 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 179.21 Mbit/s
95th percentile per-packet one-way delay: 19.954 ms
Loss rate: 0.01%
```

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

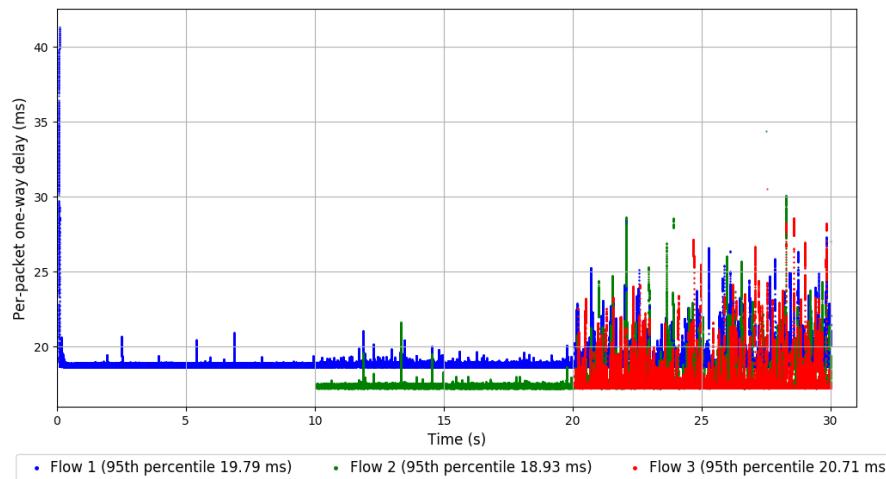
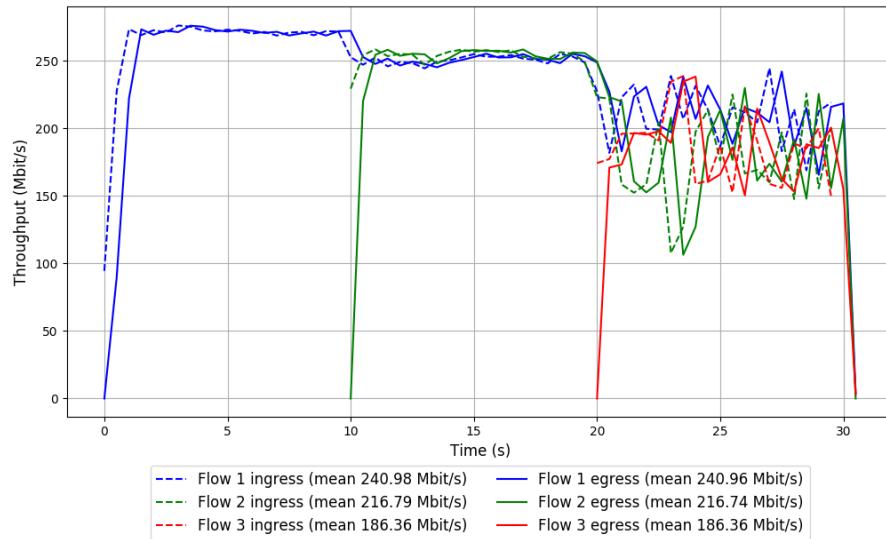


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-24 16:09:22
End at: 2018-05-24 16:09:52
Local clock offset: 0.226 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2018-05-24 20:20:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 447.23 Mbit/s
95th percentile per-packet one-way delay: 19.764 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 240.96 Mbit/s
95th percentile per-packet one-way delay: 19.793 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 216.74 Mbit/s
95th percentile per-packet one-way delay: 18.935 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 186.36 Mbit/s
95th percentile per-packet one-way delay: 20.715 ms
Loss rate: 0.00%
```

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

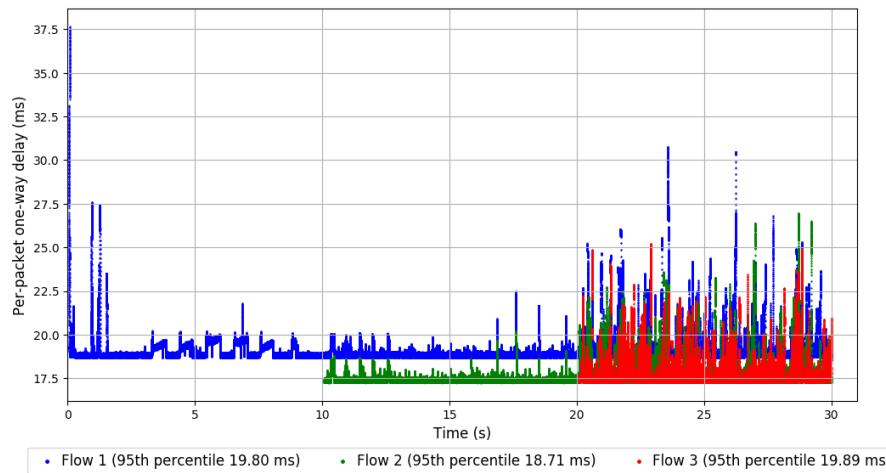
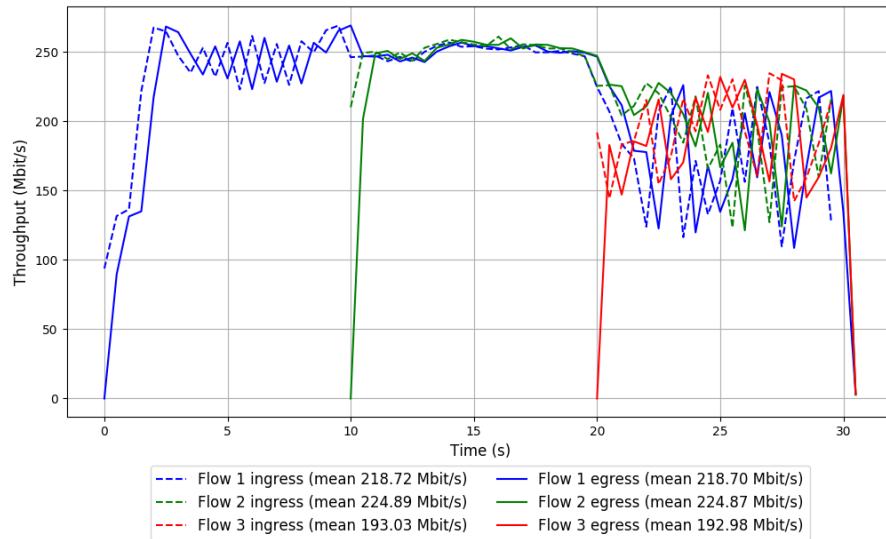


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-24 16:35:07
End at: 2018-05-24 16:35:37
Local clock offset: 0.18 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-24 20:20:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.55 Mbit/s
95th percentile per-packet one-way delay: 19.692 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 218.70 Mbit/s
95th percentile per-packet one-way delay: 19.805 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 224.87 Mbit/s
95th percentile per-packet one-way delay: 18.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 192.98 Mbit/s
95th percentile per-packet one-way delay: 19.892 ms
Loss rate: 0.01%
```

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

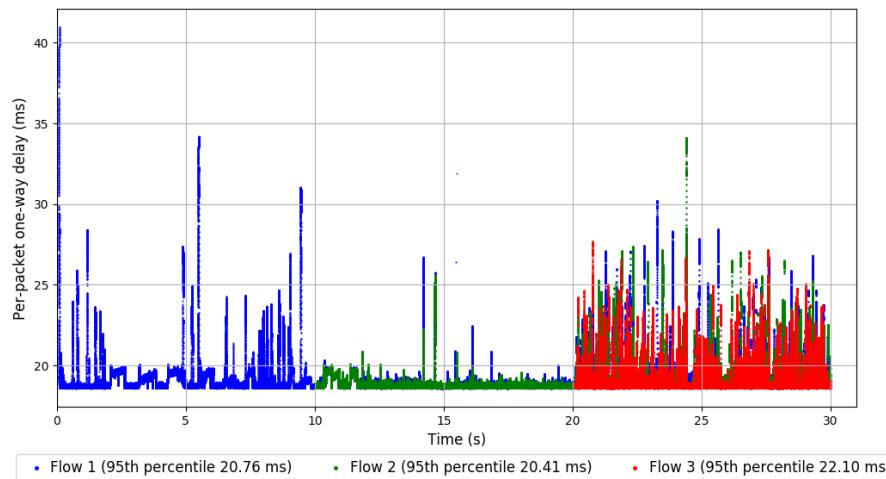
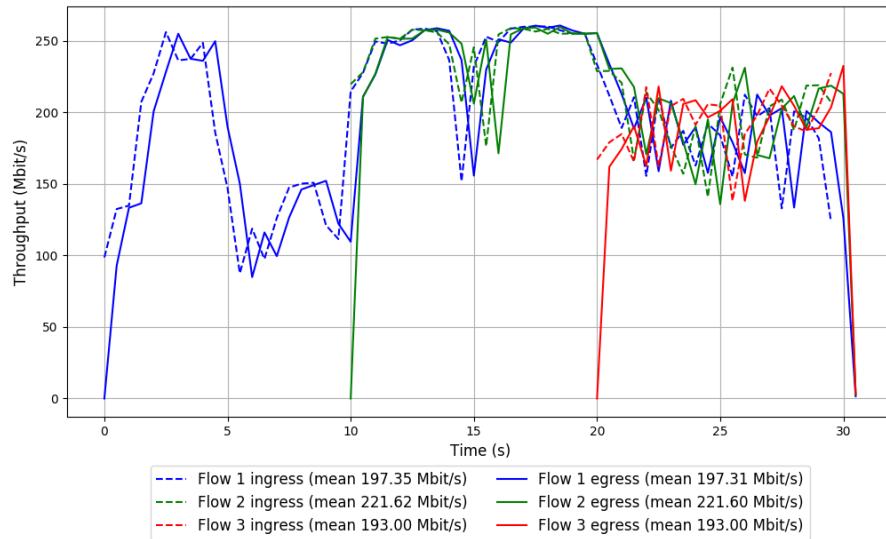


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-24 17:00:45
End at: 2018-05-24 17:01:15
Local clock offset: 0.213 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-05-24 20:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 409.01 Mbit/s
95th percentile per-packet one-way delay: 20.990 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 197.31 Mbit/s
95th percentile per-packet one-way delay: 20.764 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 221.60 Mbit/s
95th percentile per-packet one-way delay: 20.409 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 193.00 Mbit/s
95th percentile per-packet one-way delay: 22.097 ms
Loss rate: 0.02%
```

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

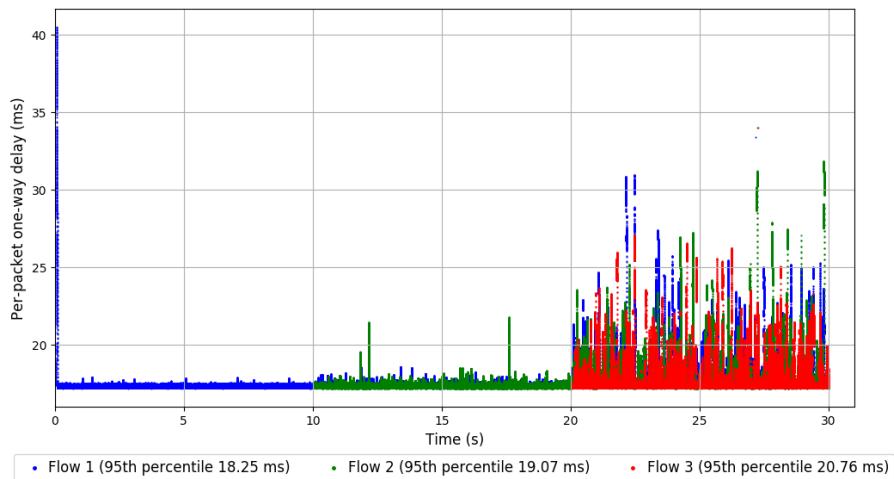
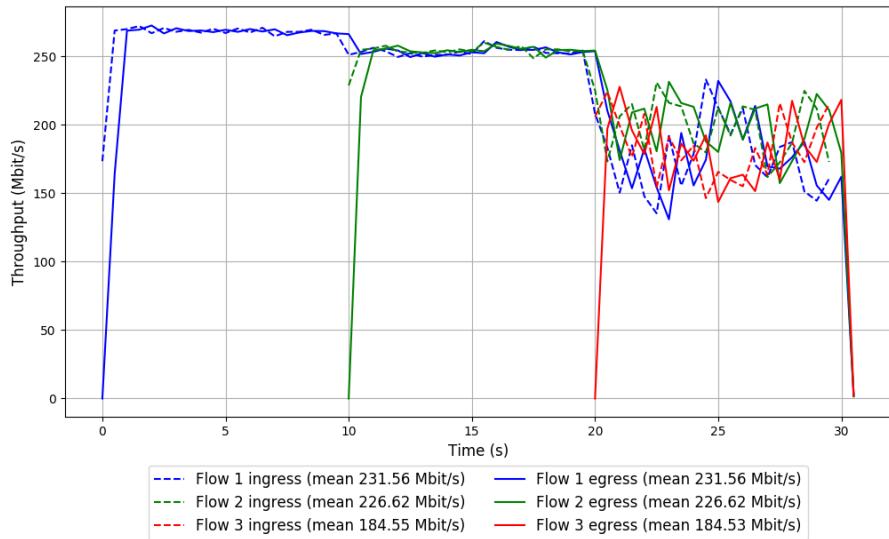


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-24 17:26:37
End at: 2018-05-24 17:27:07
Local clock offset: 0.33 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.86 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.56 Mbit/s
95th percentile per-packet one-way delay: 18.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 226.62 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 184.53 Mbit/s
95th percentile per-packet one-way delay: 20.760 ms
Loss rate: 0.00%
```

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

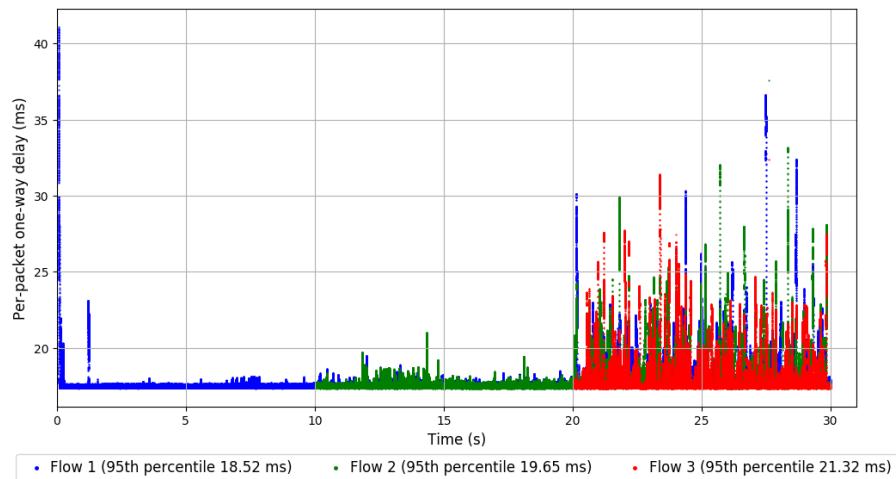
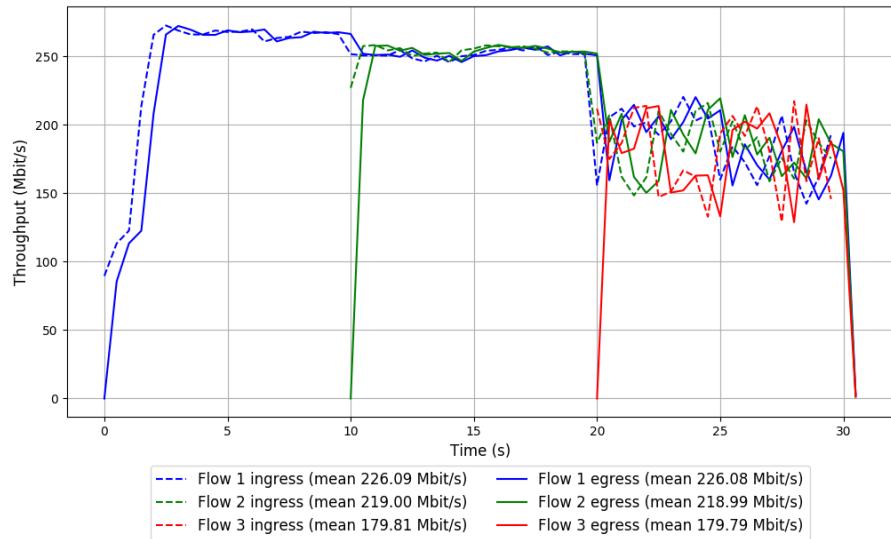


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-24 17:52:07
End at: 2018-05-24 17:52:37
Local clock offset: 0.551 ms
Remote clock offset: 0.266 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.74 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 226.08 Mbit/s
95th percentile per-packet one-way delay: 18.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 218.99 Mbit/s
95th percentile per-packet one-way delay: 19.647 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 179.79 Mbit/s
95th percentile per-packet one-way delay: 21.316 ms
Loss rate: 0.01%
```

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

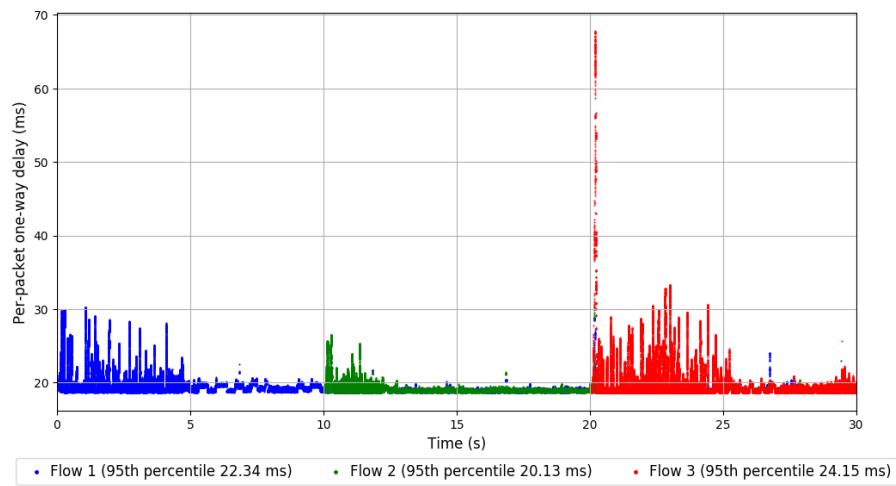
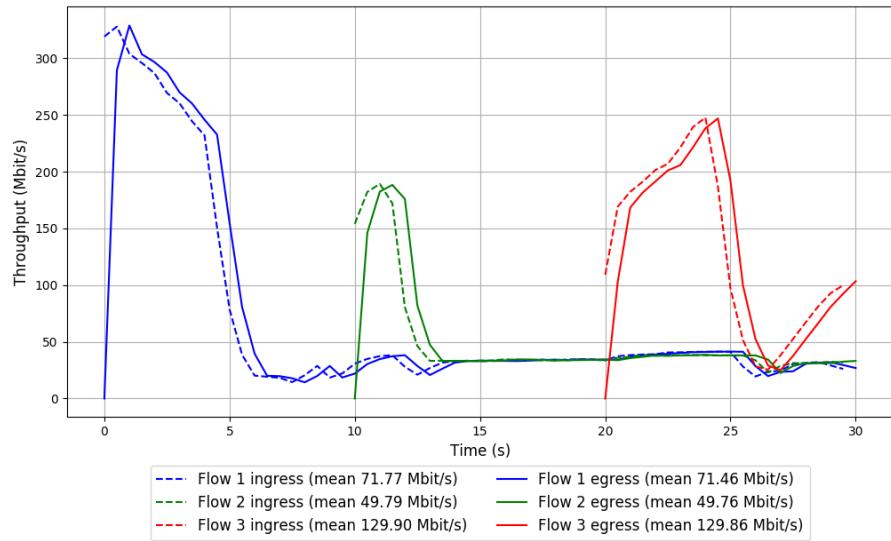


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-24 13:53:05
End at: 2018-05-24 13:53:35
Local clock offset: 0.242 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.75 Mbit/s
95th percentile per-packet one-way delay: 22.487 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: 22.339 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 20.132 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 129.86 Mbit/s
95th percentile per-packet one-way delay: 24.152 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

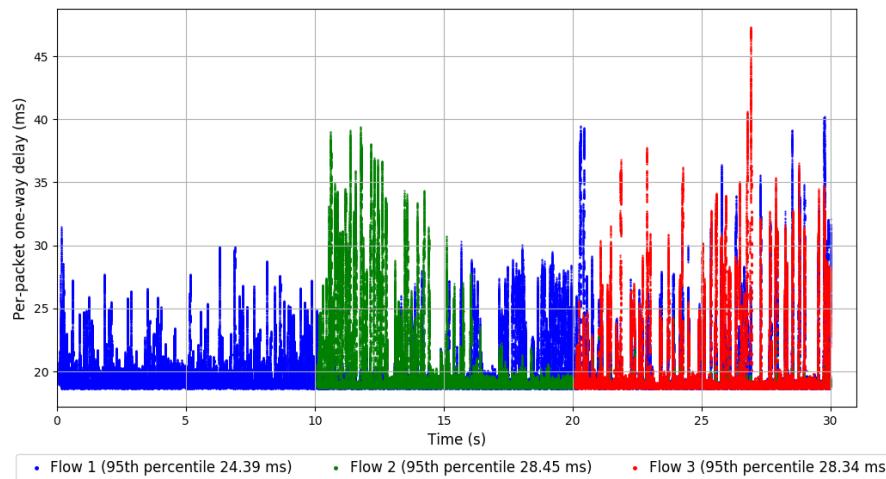
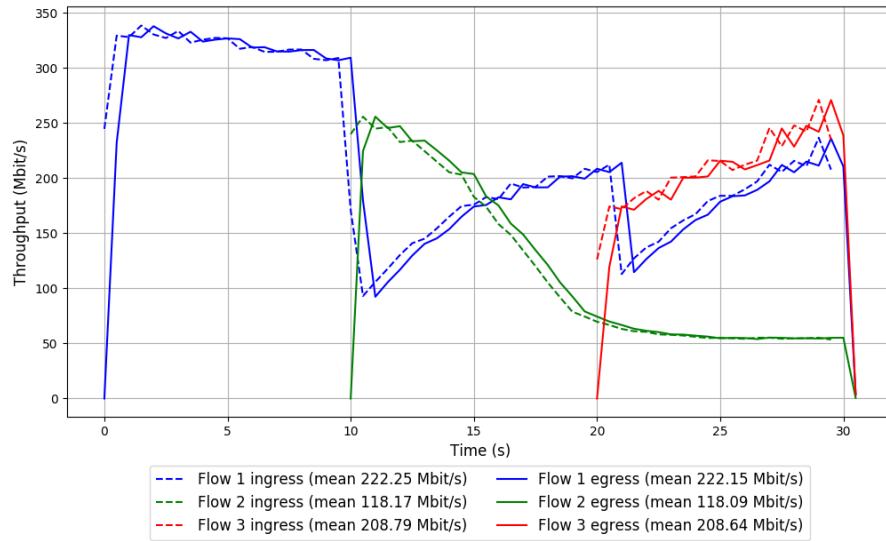


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-24 14:19:04
End at: 2018-05-24 14:19:34
Local clock offset: 0.508 ms
Remote clock offset: 0.442 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.19 Mbit/s
95th percentile per-packet one-way delay: 25.918 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 222.15 Mbit/s
95th percentile per-packet one-way delay: 24.385 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 118.09 Mbit/s
95th percentile per-packet one-way delay: 28.452 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 208.64 Mbit/s
95th percentile per-packet one-way delay: 28.341 ms
Loss rate: 0.06%
```

Run 2: Report of TCP Vegas — Data Link

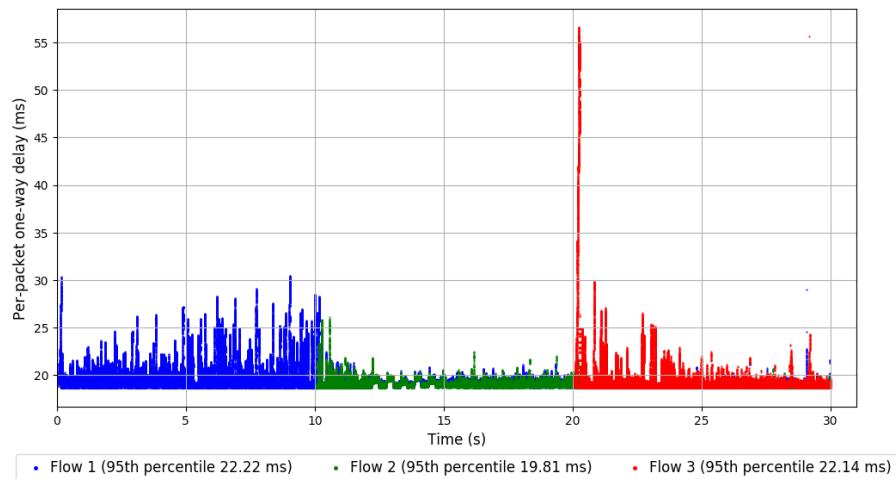
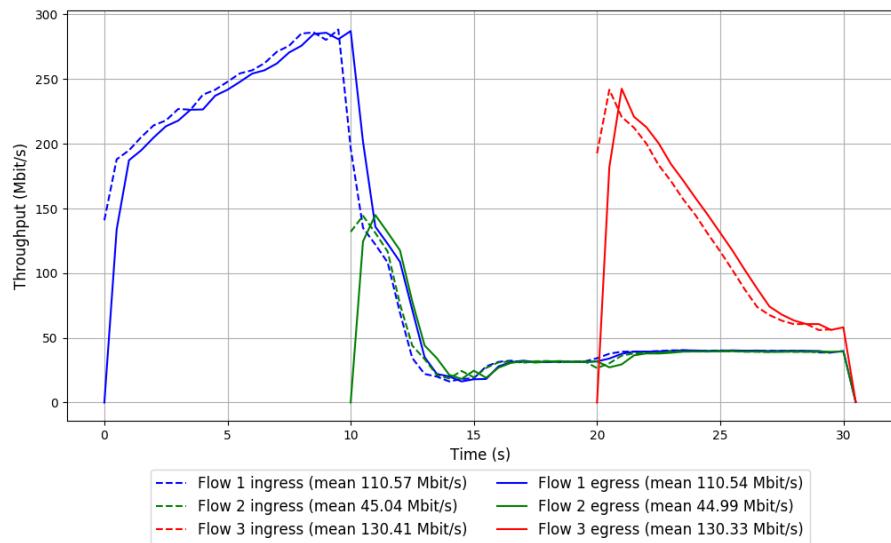


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-24 14:45:17
End at: 2018-05-24 14:45:47
Local clock offset: 0.151 ms
Remote clock offset: 0.882 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.81 Mbit/s
95th percentile per-packet one-way delay: 21.811 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 110.54 Mbit/s
95th percentile per-packet one-way delay: 22.220 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 44.99 Mbit/s
95th percentile per-packet one-way delay: 19.807 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 130.33 Mbit/s
95th percentile per-packet one-way delay: 22.143 ms
Loss rate: 0.06%
```

Run 3: Report of TCP Vegas — Data Link

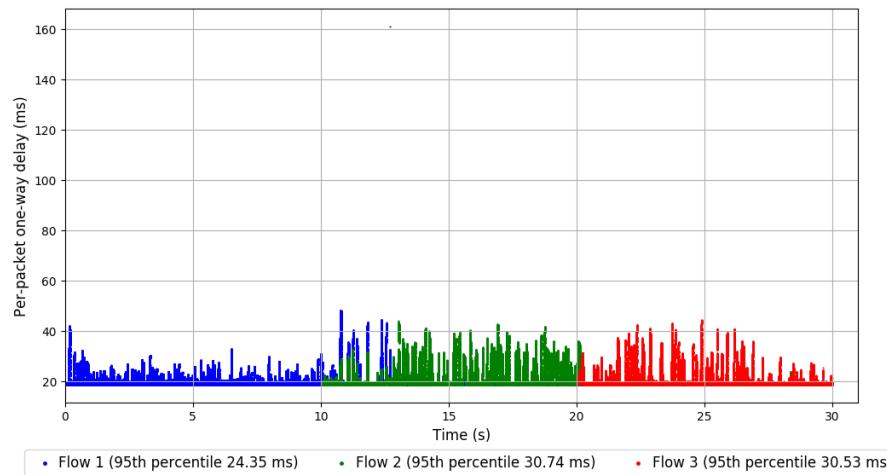
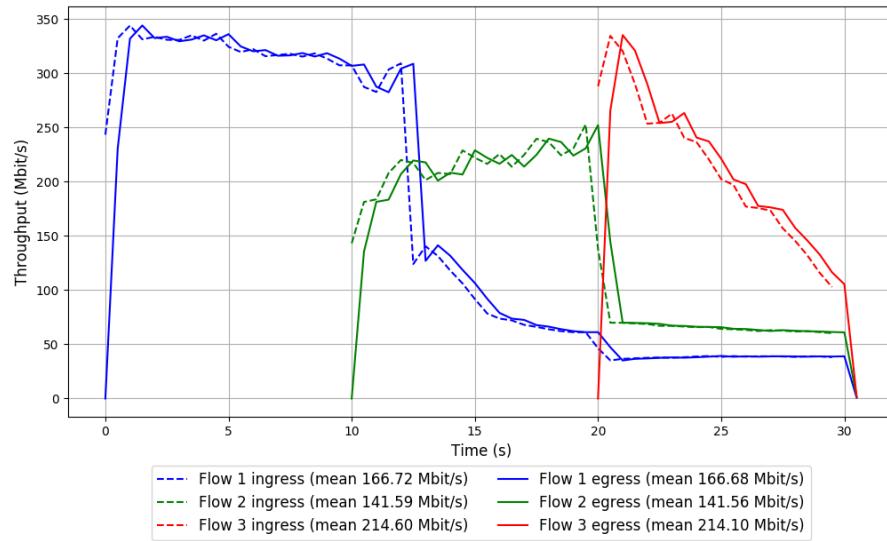


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-24 15:11:09
End at: 2018-05-24 15:11:39
Local clock offset: 0.247 ms
Remote clock offset: 1.336 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 332.18 Mbit/s
95th percentile per-packet one-way delay: 28.267 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 166.68 Mbit/s
95th percentile per-packet one-way delay: 24.351 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 141.56 Mbit/s
95th percentile per-packet one-way delay: 30.741 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 214.10 Mbit/s
95th percentile per-packet one-way delay: 30.526 ms
Loss rate: 0.21%
```

Run 4: Report of TCP Vegas — Data Link

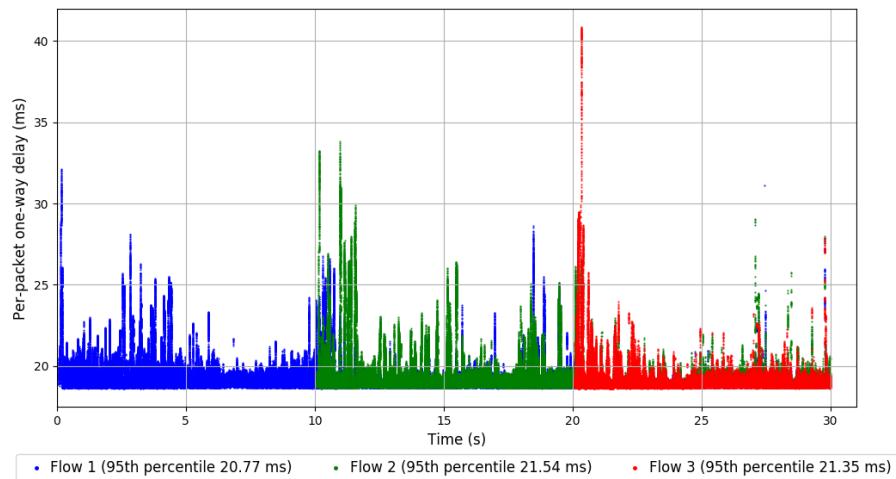
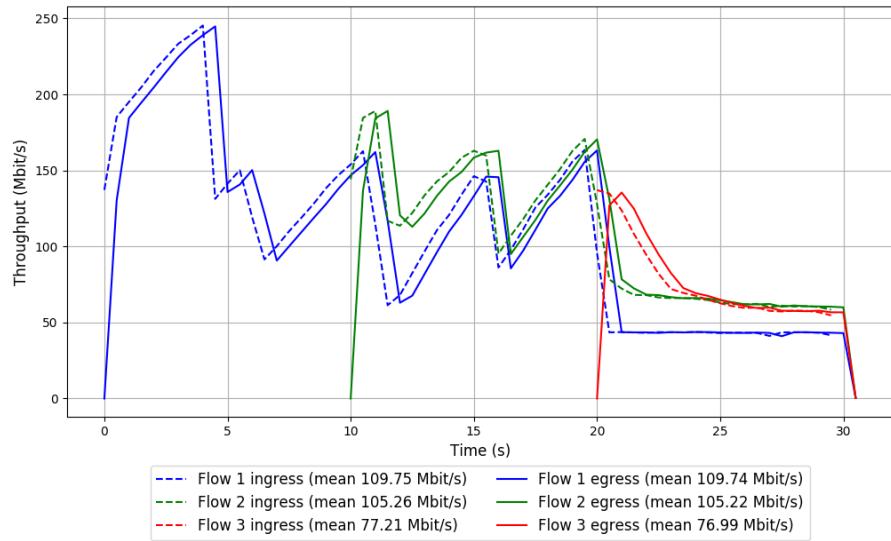


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-24 15:36:57
End at: 2018-05-24 15:37:27
Local clock offset: 0.346 ms
Remote clock offset: 0.487 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 205.42 Mbit/s
95th percentile per-packet one-way delay: 21.083 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 109.74 Mbit/s
95th percentile per-packet one-way delay: 20.772 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 105.22 Mbit/s
95th percentile per-packet one-way delay: 21.538 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 21.348 ms
Loss rate: 0.27%
```

Run 5: Report of TCP Vegas — Data Link

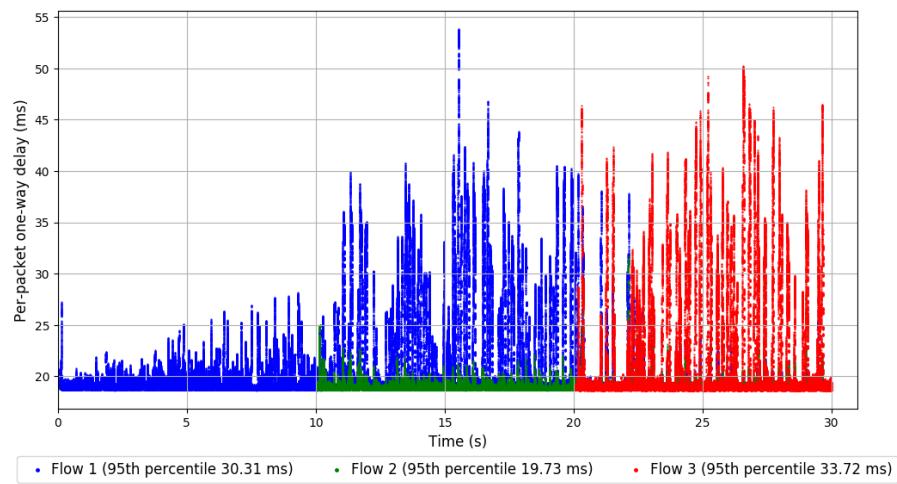
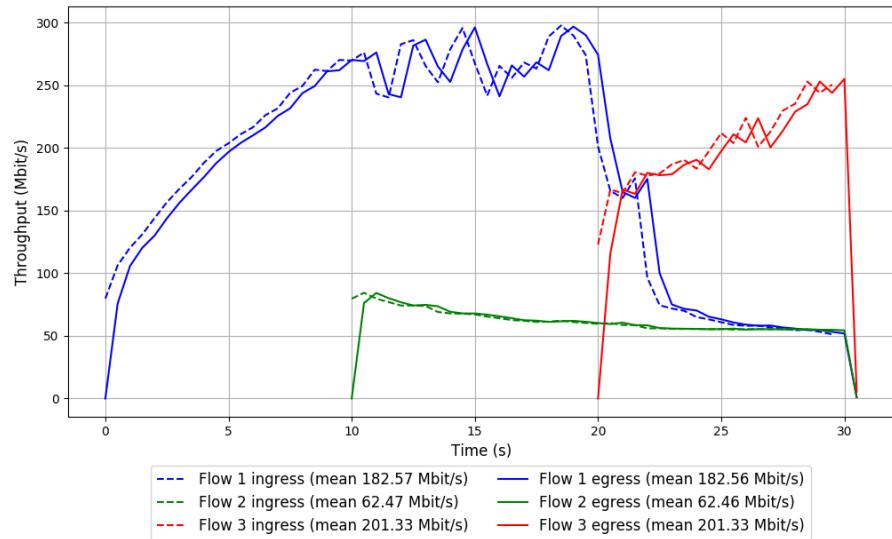


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-24 16:02:42
End at: 2018-05-24 16:03:12
Local clock offset: 0.346 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.10 Mbit/s
95th percentile per-packet one-way delay: 30.455 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 182.56 Mbit/s
95th percentile per-packet one-way delay: 30.308 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 19.732 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 201.33 Mbit/s
95th percentile per-packet one-way delay: 33.716 ms
Loss rate: 0.02%
```

Run 6: Report of TCP Vegas — Data Link

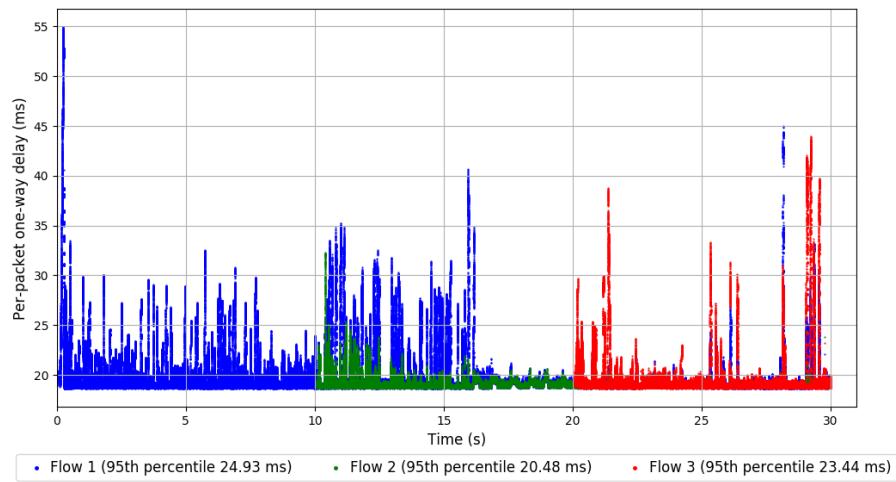
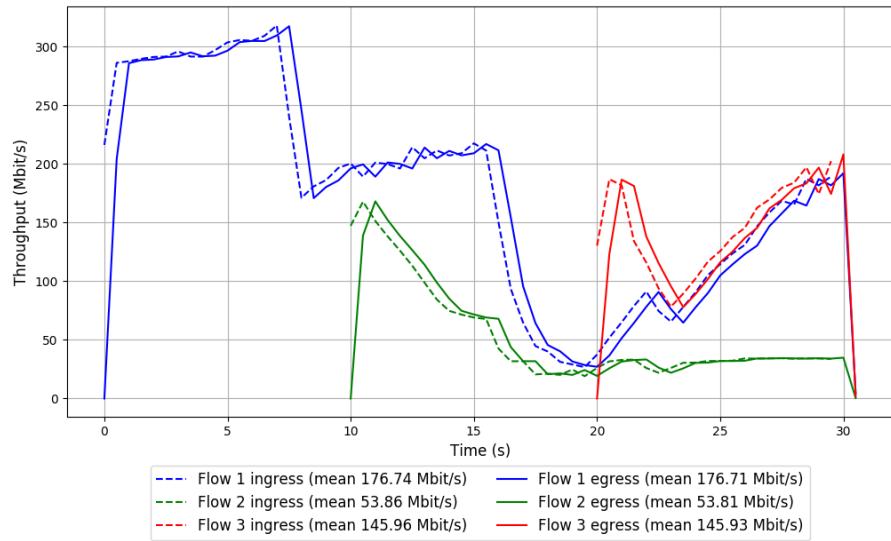


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-24 16:28:34
End at: 2018-05-24 16:29:04
Local clock offset: 0.139 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 260.99 Mbit/s
95th percentile per-packet one-way delay: 24.085 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 176.71 Mbit/s
95th percentile per-packet one-way delay: 24.931 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 20.480 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 145.93 Mbit/s
95th percentile per-packet one-way delay: 23.444 ms
Loss rate: 0.02%
```

Run 7: Report of TCP Vegas — Data Link

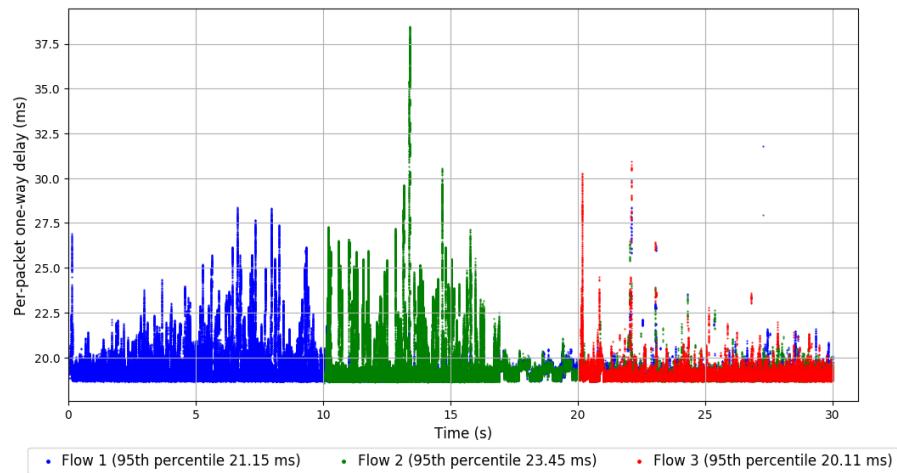
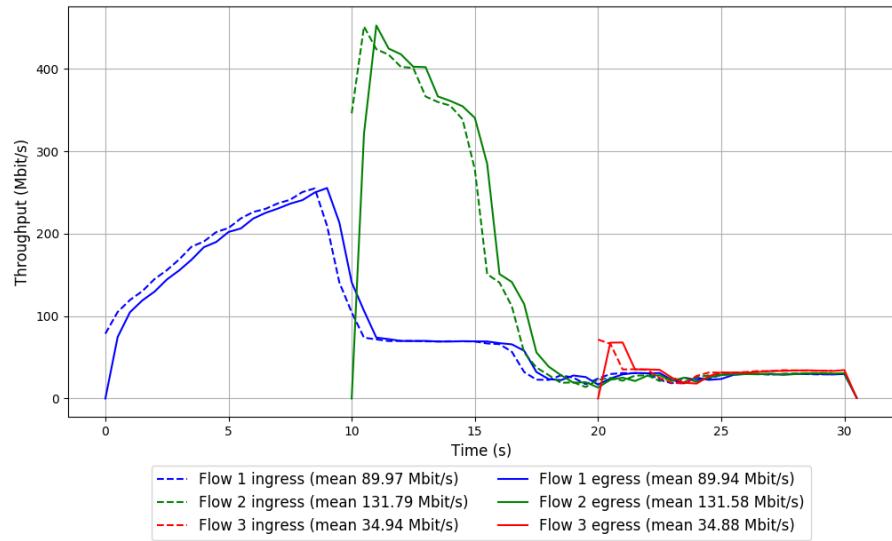


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-24 16:54:21
End at: 2018-05-24 16:54:51
Local clock offset: 0.205 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 189.20 Mbit/s
95th percentile per-packet one-way delay: 22.462 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 21.148 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 23.451 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 20.111 ms
Loss rate: 0.18%
```

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

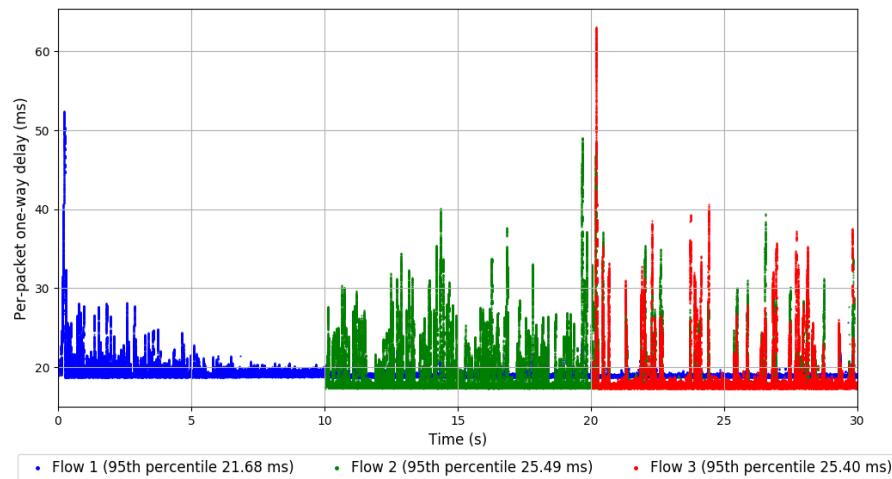
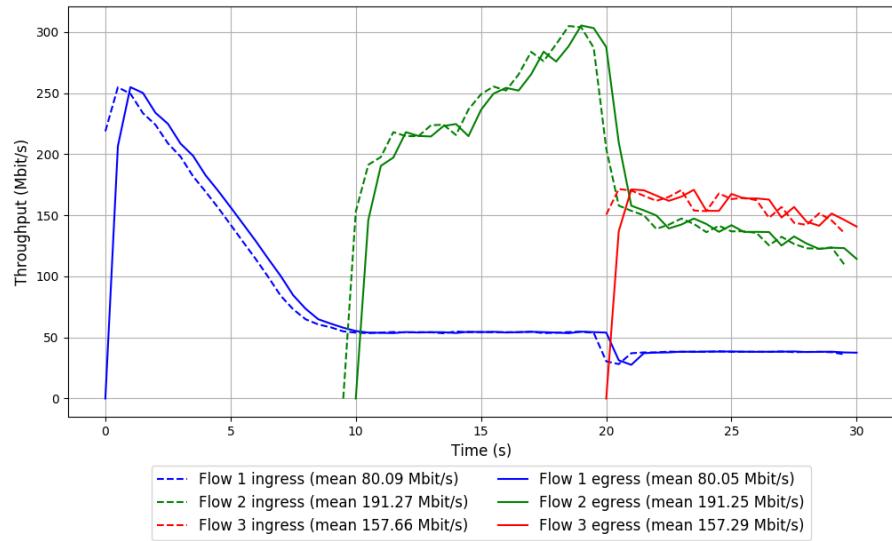


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-24 17:19:57
End at: 2018-05-24 17:20:27
Local clock offset: 0.299 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 259.86 Mbit/s
95th percentile per-packet one-way delay: 24.625 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 80.05 Mbit/s
95th percentile per-packet one-way delay: 21.678 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 191.25 Mbit/s
95th percentile per-packet one-way delay: 25.494 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 157.29 Mbit/s
95th percentile per-packet one-way delay: 25.400 ms
Loss rate: 0.23%
```

Run 9: Report of TCP Vegas — Data Link

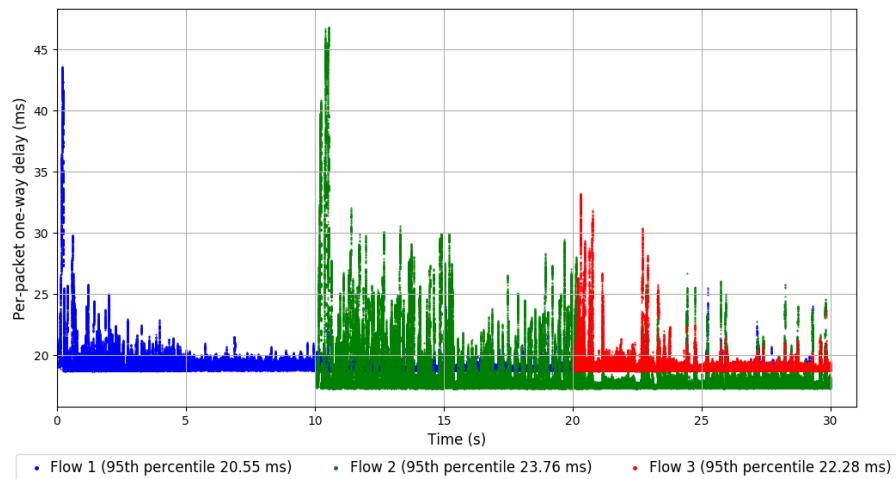
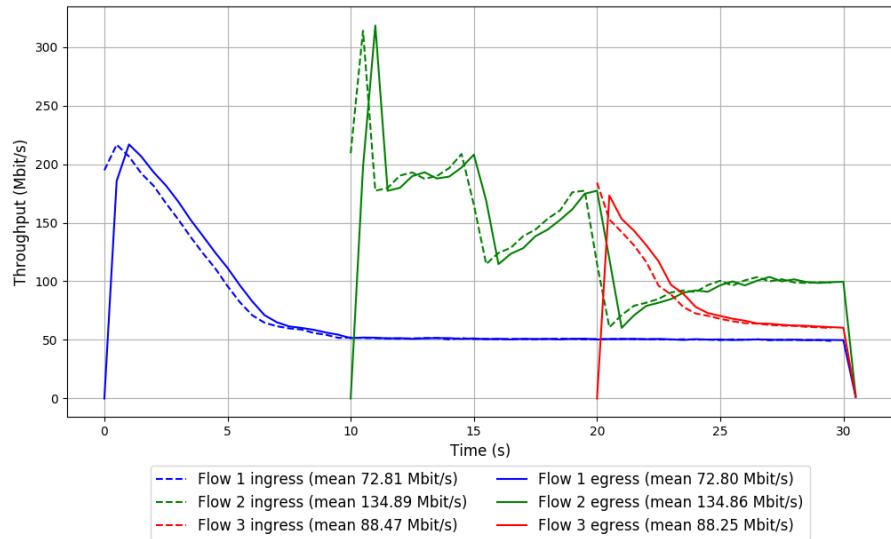


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-24 17:45:47
End at: 2018-05-24 17:46:17
Local clock offset: 0.587 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-05-24 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.99 Mbit/s
95th percentile per-packet one-way delay: 22.503 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 72.80 Mbit/s
95th percentile per-packet one-way delay: 20.551 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 134.86 Mbit/s
95th percentile per-packet one-way delay: 23.764 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 22.282 ms
Loss rate: 0.25%
```

Run 10: Report of TCP Vegas — Data Link

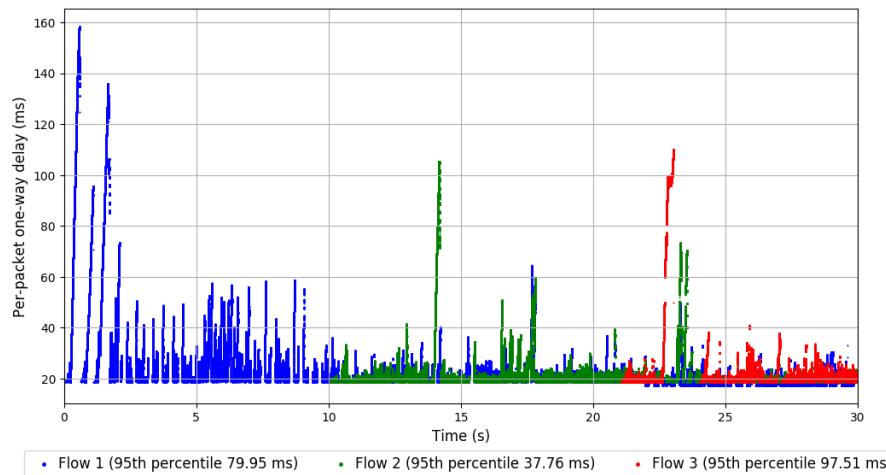
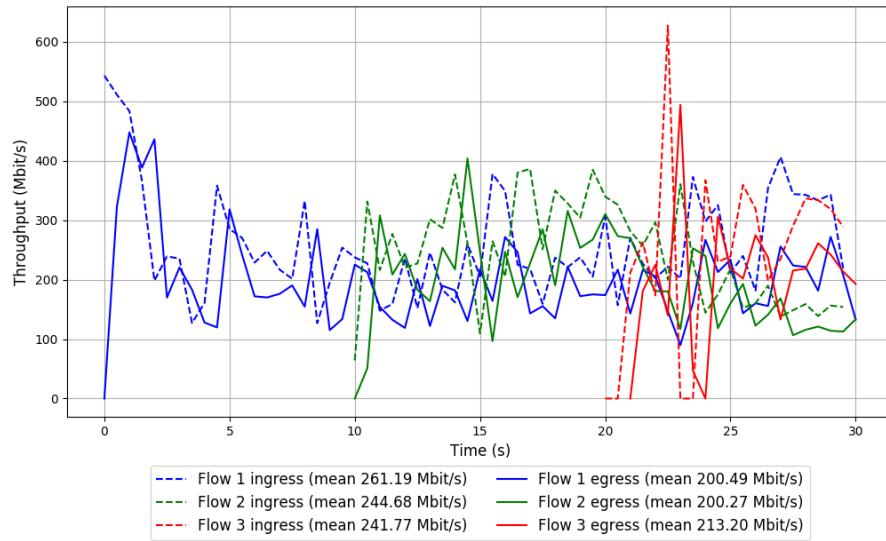


Run 1: Statistics of Verus

```
Start at: 2018-05-24 14:10:13
End at: 2018-05-24 14:10:43
Local clock offset: 0.437 ms
Remote clock offset: 0.295 ms

# Below is generated by plot.py at 2018-05-24 20:30:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 396.47 Mbit/s
95th percentile per-packet one-way delay: 71.519 ms
Loss rate: 21.18%
-- Flow 1:
Average throughput: 200.49 Mbit/s
95th percentile per-packet one-way delay: 79.951 ms
Loss rate: 23.24%
-- Flow 2:
Average throughput: 200.27 Mbit/s
95th percentile per-packet one-way delay: 37.759 ms
Loss rate: 18.15%
-- Flow 3:
Average throughput: 213.20 Mbit/s
95th percentile per-packet one-way delay: 97.508 ms
Loss rate: 20.68%
```

## Run 1: Report of Verus — Data Link

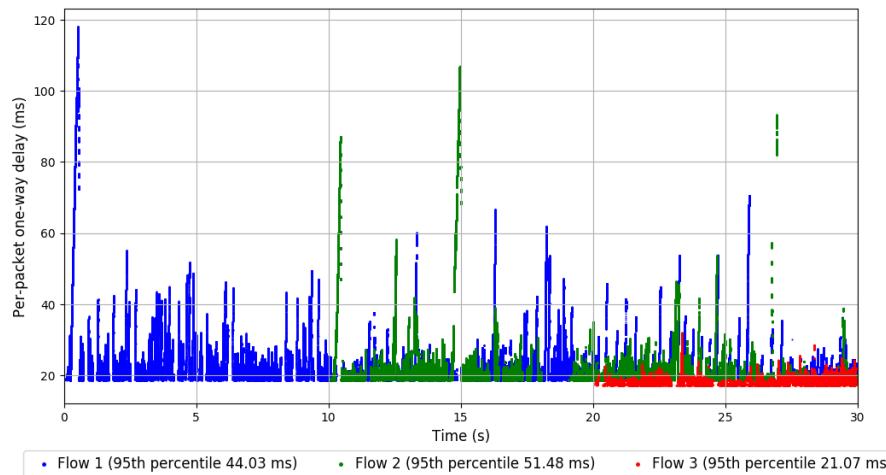
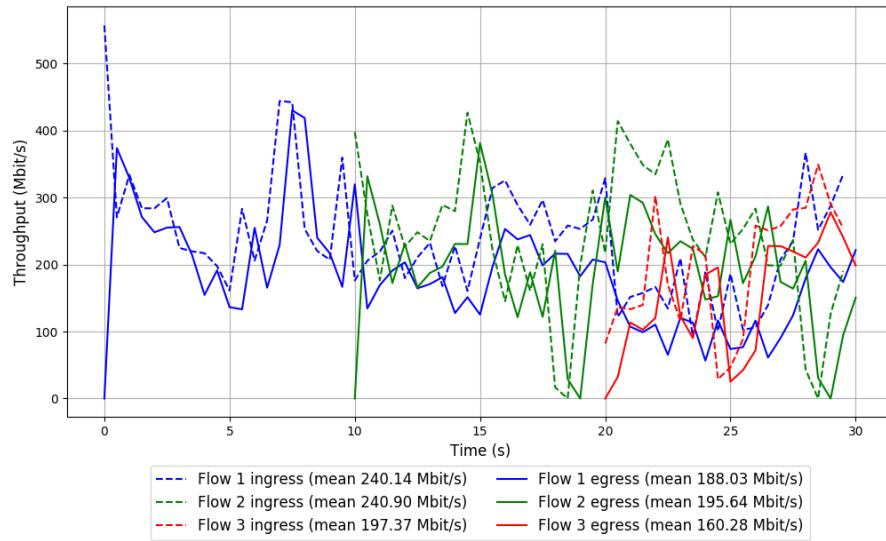


Run 2: Statistics of Verus

```
Start at: 2018-05-24 14:36:15
End at: 2018-05-24 14:36:45
Local clock offset: 0.349 ms
Remote clock offset: 0.694 ms

# Below is generated by plot.py at 2018-05-24 20:30:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 371.27 Mbit/s
95th percentile per-packet one-way delay: 42.736 ms
Loss rate: 20.28%
-- Flow 1:
Average throughput: 188.03 Mbit/s
95th percentile per-packet one-way delay: 44.029 ms
Loss rate: 21.69%
-- Flow 2:
Average throughput: 195.64 Mbit/s
95th percentile per-packet one-way delay: 51.481 ms
Loss rate: 18.79%
-- Flow 3:
Average throughput: 160.28 Mbit/s
95th percentile per-packet one-way delay: 21.068 ms
Loss rate: 18.78%
```

Run 2: Report of Verus — Data Link

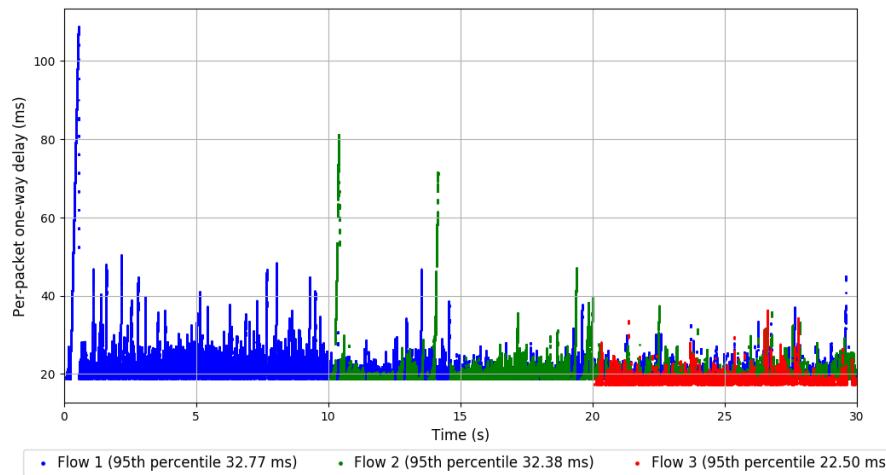
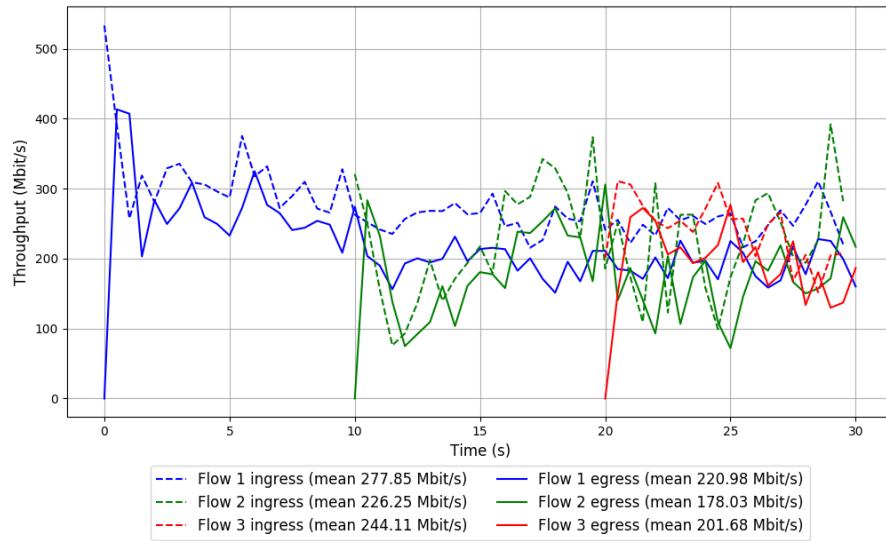


Run 3: Statistics of Verus

```
Start at: 2018-05-24 15:02:06
End at: 2018-05-24 15:02:36
Local clock offset: 0.115 ms
Remote clock offset: 1.354 ms

# Below is generated by plot.py at 2018-05-24 20:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 406.15 Mbit/s
95th percentile per-packet one-way delay: 30.939 ms
Loss rate: 20.23%
-- Flow 1:
Average throughput: 220.98 Mbit/s
95th percentile per-packet one-way delay: 32.770 ms
Loss rate: 20.46%
-- Flow 2:
Average throughput: 178.03 Mbit/s
95th percentile per-packet one-way delay: 32.384 ms
Loss rate: 21.31%
-- Flow 3:
Average throughput: 201.68 Mbit/s
95th percentile per-packet one-way delay: 22.504 ms
Loss rate: 17.38%
```

Run 3: Report of Verus — Data Link

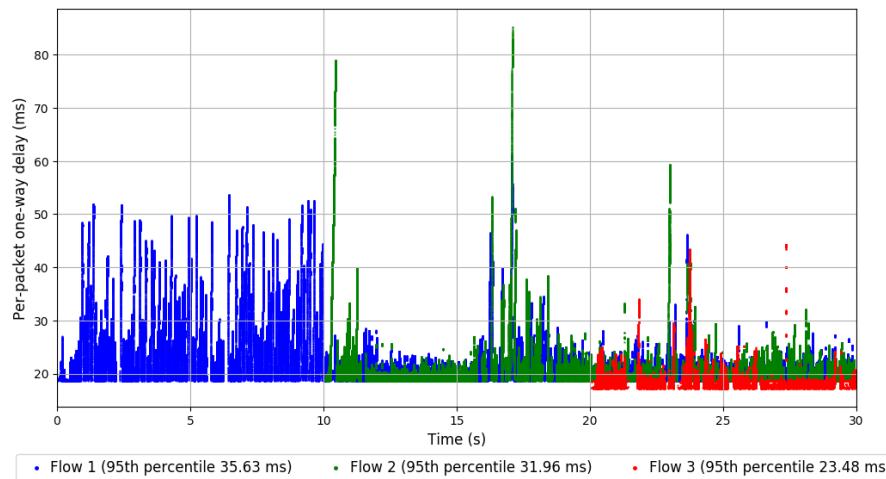
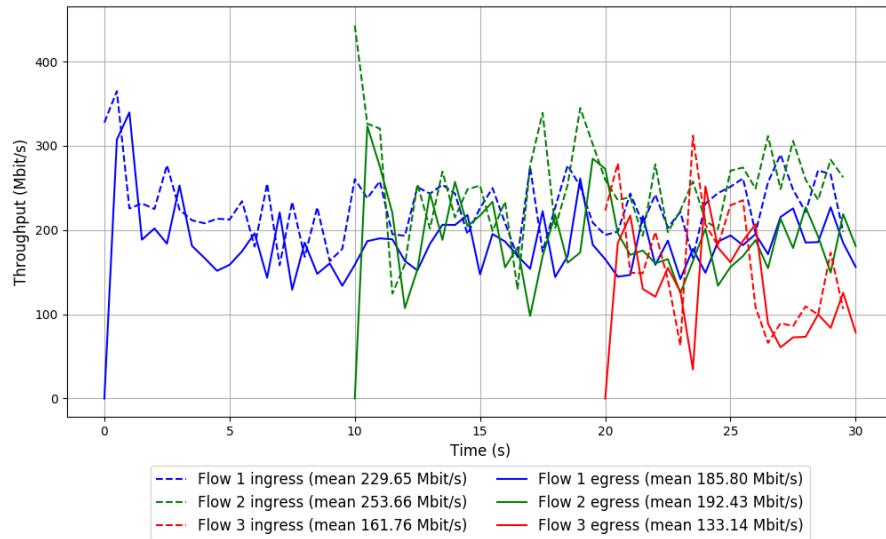


Run 4: Statistics of Verus

```
Start at: 2018-05-24 15:28:07
End at: 2018-05-24 15:28:37
Local clock offset: 0.24 ms
Remote clock offset: 0.548 ms

# Below is generated by plot.py at 2018-05-24 20:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.59 Mbit/s
95th percentile per-packet one-way delay: 33.018 ms
Loss rate: 20.81%
-- Flow 1:
Average throughput: 185.80 Mbit/s
95th percentile per-packet one-way delay: 35.630 ms
Loss rate: 19.09%
-- Flow 2:
Average throughput: 192.43 Mbit/s
95th percentile per-packet one-way delay: 31.962 ms
Loss rate: 24.14%
-- Flow 3:
Average throughput: 133.14 Mbit/s
95th percentile per-packet one-way delay: 23.485 ms
Loss rate: 17.69%
```

## Run 4: Report of Verus — Data Link

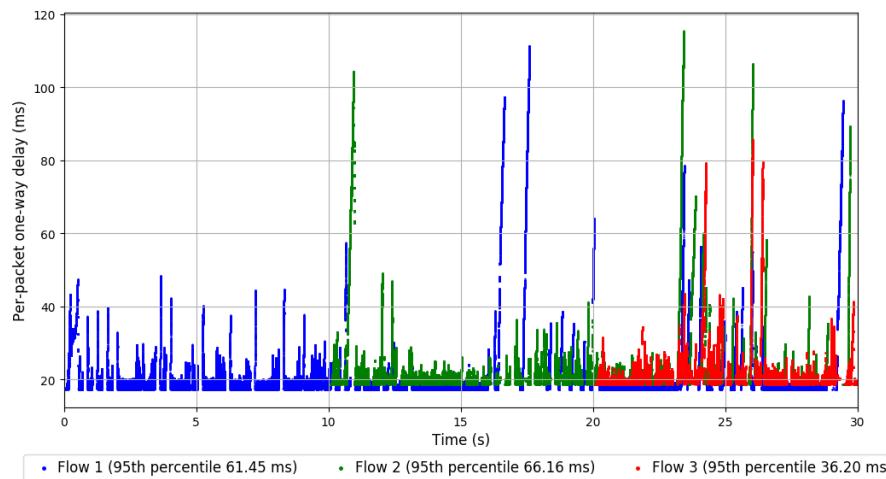
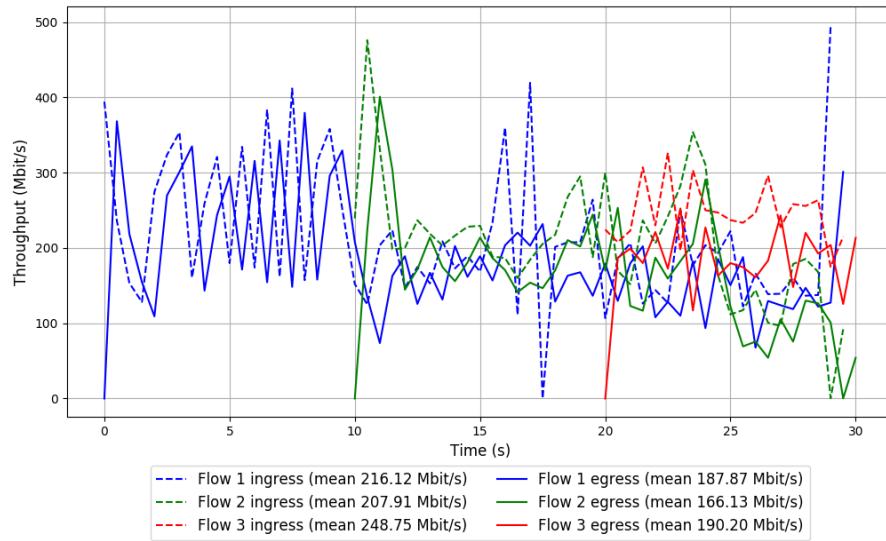


Run 5: Statistics of Verus

```
Start at: 2018-05-24 15:53:46
End at: 2018-05-24 15:54:16
Local clock offset: 0.315 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-24 20:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 358.09 Mbit/s
95th percentile per-packet one-way delay: 58.395 ms
Loss rate: 17.19%
-- Flow 1:
Average throughput: 187.87 Mbit/s
95th percentile per-packet one-way delay: 61.451 ms
Loss rate: 12.84%
-- Flow 2:
Average throughput: 166.13 Mbit/s
95th percentile per-packet one-way delay: 66.156 ms
Loss rate: 20.10%
-- Flow 3:
Average throughput: 190.20 Mbit/s
95th percentile per-packet one-way delay: 36.197 ms
Loss rate: 23.53%
```

Run 5: Report of Verus — Data Link

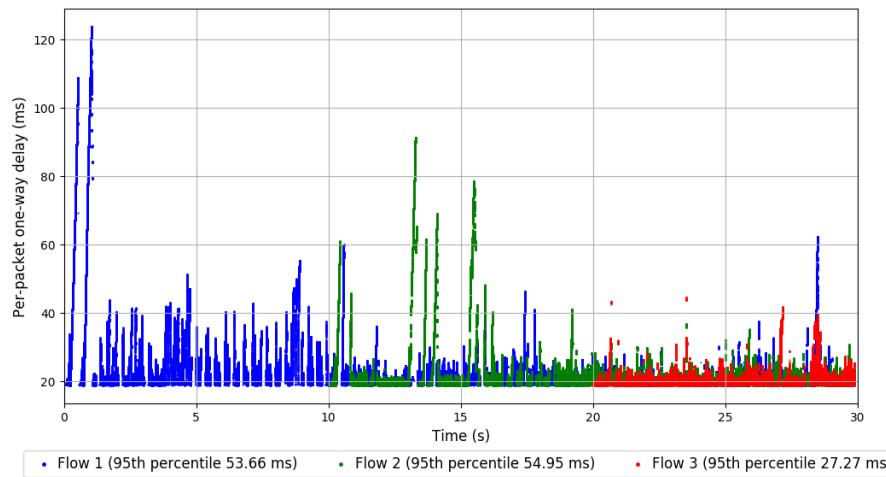
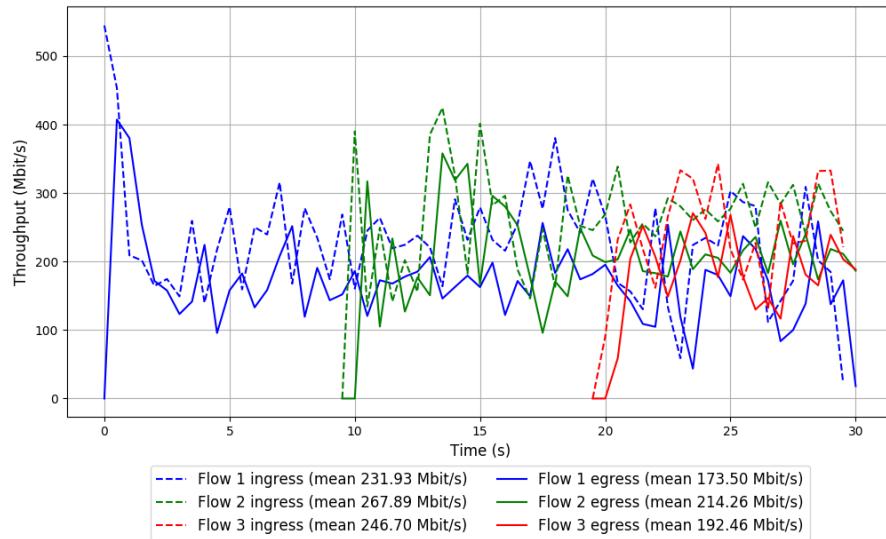


Run 6: Statistics of Verus

```
Start at: 2018-05-24 16:19:48
End at: 2018-05-24 16:20:18
Local clock offset: 0.07 ms
Remote clock offset: -0.135 ms

# Below is generated by plot.py at 2018-05-24 20:32:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.12 Mbit/s
95th percentile per-packet one-way delay: 50.776 ms
Loss rate: 22.78%
-- Flow 1:
Average throughput: 173.50 Mbit/s
95th percentile per-packet one-way delay: 53.663 ms
Loss rate: 25.19%
-- Flow 2:
Average throughput: 214.26 Mbit/s
95th percentile per-packet one-way delay: 54.955 ms
Loss rate: 20.02%
-- Flow 3:
Average throughput: 192.46 Mbit/s
95th percentile per-packet one-way delay: 27.271 ms
Loss rate: 21.97%
```

Run 6: Report of Verus — Data Link

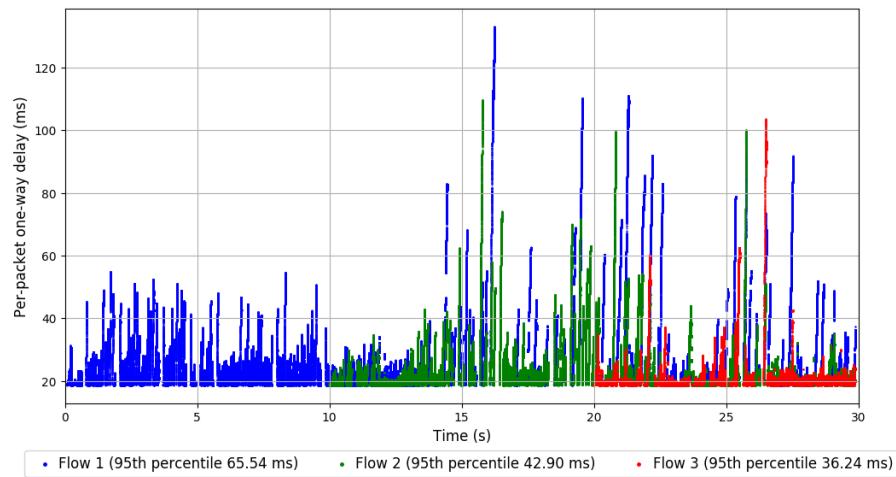
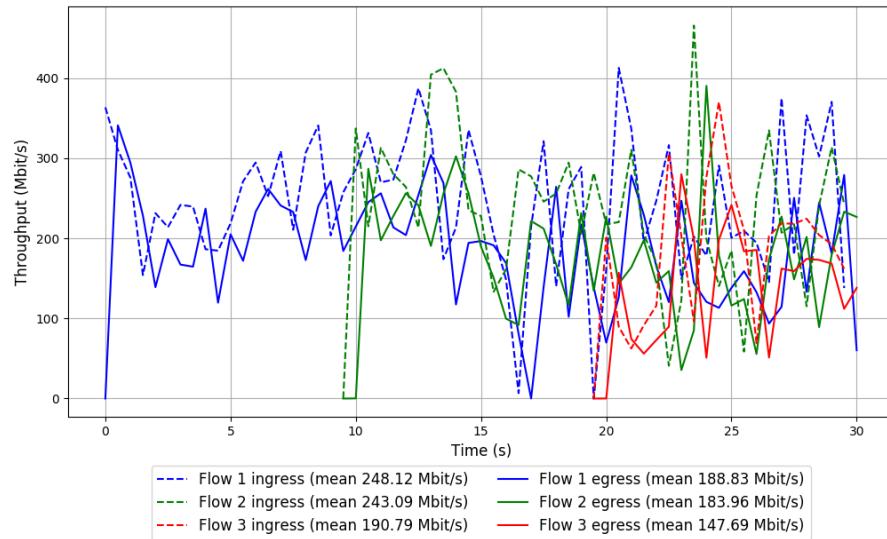


Run 7: Statistics of Verus

```
Start at: 2018-05-24 16:45:20
End at: 2018-05-24 16:45:50
Local clock offset: 0.204 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-05-24 20:34:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 360.59 Mbit/s
95th percentile per-packet one-way delay: 52.890 ms
Loss rate: 23.86%
-- Flow 1:
Average throughput: 188.83 Mbit/s
95th percentile per-packet one-way delay: 65.541 ms
Loss rate: 23.89%
-- Flow 2:
Average throughput: 183.96 Mbit/s
95th percentile per-packet one-way delay: 42.897 ms
Loss rate: 24.32%
-- Flow 3:
Average throughput: 147.69 Mbit/s
95th percentile per-packet one-way delay: 36.240 ms
Loss rate: 22.56%
```

Run 7: Report of Verus — Data Link

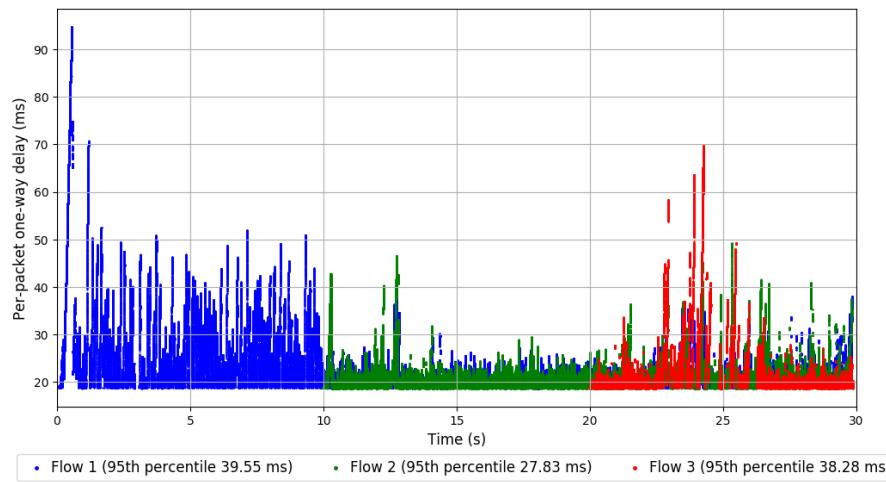
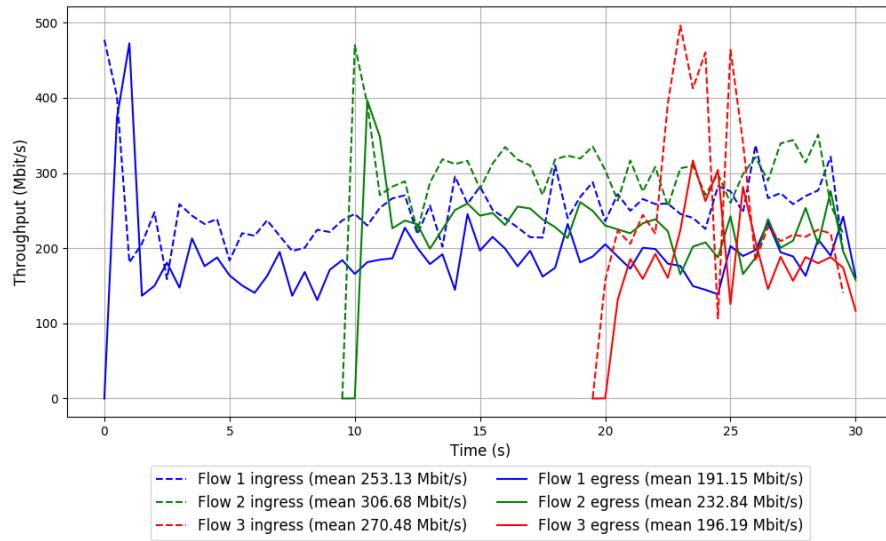


Run 8: Statistics of Verus

```
Start at: 2018-05-24 17:11:06
End at: 2018-05-24 17:11:36
Local clock offset: 0.269 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-05-24 20:35:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.25 Mbit/s
95th percentile per-packet one-way delay: 35.862 ms
Loss rate: 24.77%
-- Flow 1:
Average throughput: 191.15 Mbit/s
95th percentile per-packet one-way delay: 39.553 ms
Loss rate: 24.44%
-- Flow 2:
Average throughput: 232.84 Mbit/s
95th percentile per-packet one-way delay: 27.828 ms
Loss rate: 24.01%
-- Flow 3:
Average throughput: 196.19 Mbit/s
95th percentile per-packet one-way delay: 38.284 ms
Loss rate: 27.46%
```

Run 8: Report of Verus — Data Link

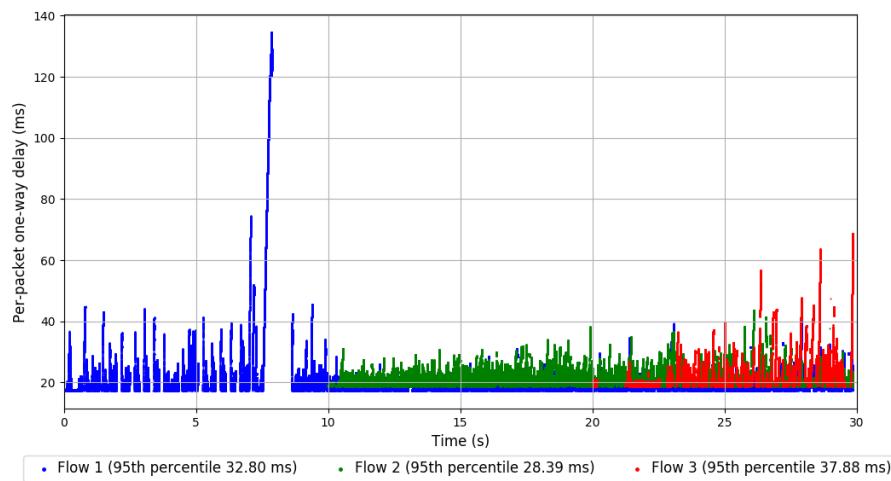
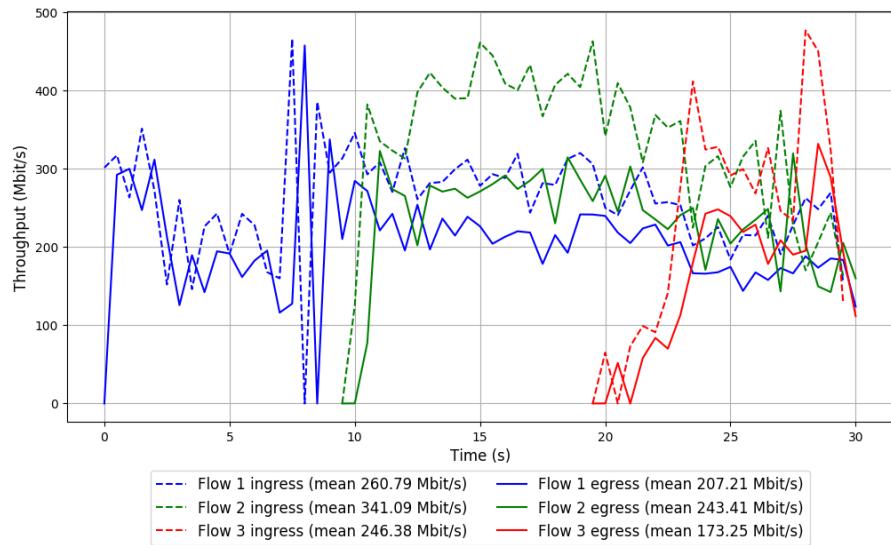


Run 9: Statistics of Verus

```
Start at: 2018-05-24 17:36:58
End at: 2018-05-24 17:37:28
Local clock offset: 0.483 ms
Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2018-05-24 20:36:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 427.03 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 25.03%
-- Flow 1:
Average throughput: 207.21 Mbit/s
95th percentile per-packet one-way delay: 32.803 ms
Loss rate: 20.54%
-- Flow 2:
Average throughput: 243.41 Mbit/s
95th percentile per-packet one-way delay: 28.388 ms
Loss rate: 28.62%
-- Flow 3:
Average throughput: 173.25 Mbit/s
95th percentile per-packet one-way delay: 37.876 ms
Loss rate: 29.33%
```

## Run 9: Report of Verus — Data Link

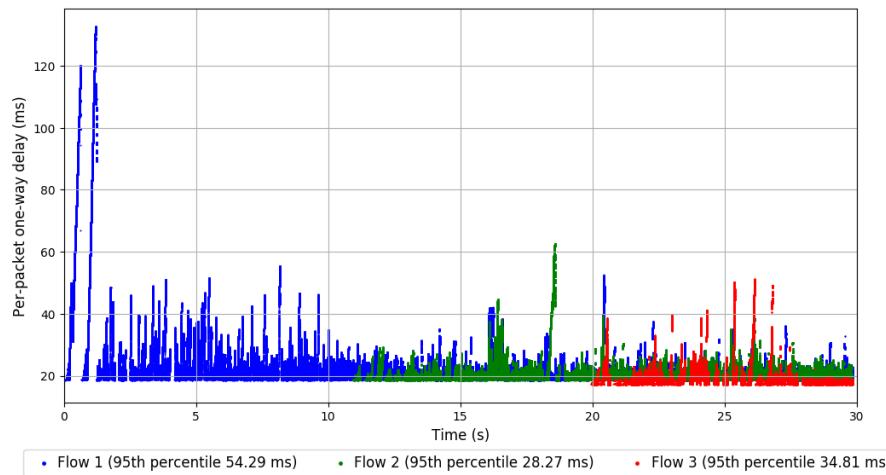
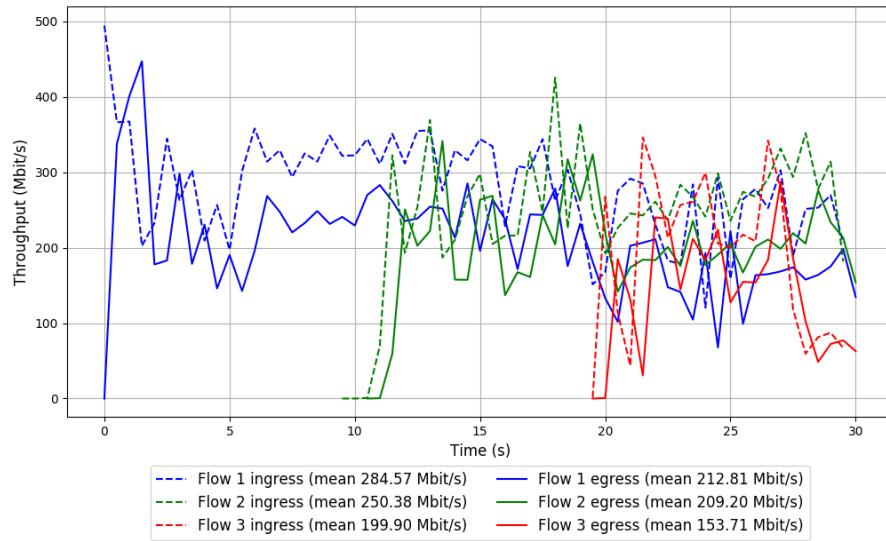


Run 10: Statistics of Verus

```
Start at: 2018-05-24 18:02:40
End at: 2018-05-24 18:03:10
Local clock offset: 0.576 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2018-05-24 20:36:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 396.44 Mbit/s
95th percentile per-packet one-way delay: 40.057 ms
Loss rate: 23.47%
-- Flow 1:
Average throughput: 212.81 Mbit/s
95th percentile per-packet one-way delay: 54.289 ms
Loss rate: 25.21%
-- Flow 2:
Average throughput: 209.20 Mbit/s
95th percentile per-packet one-way delay: 28.275 ms
Loss rate: 20.64%
-- Flow 3:
Average throughput: 153.71 Mbit/s
95th percentile per-packet one-way delay: 34.808 ms
Loss rate: 23.11%
```

Run 10: Report of Verus — Data Link

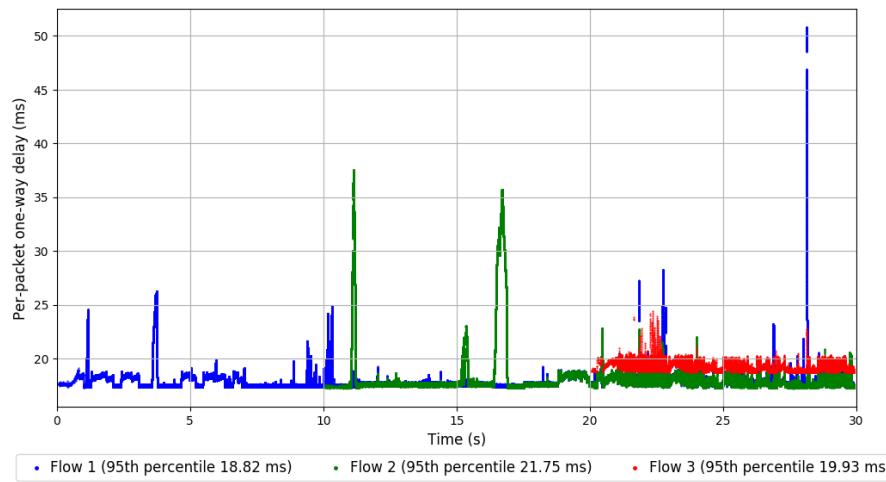
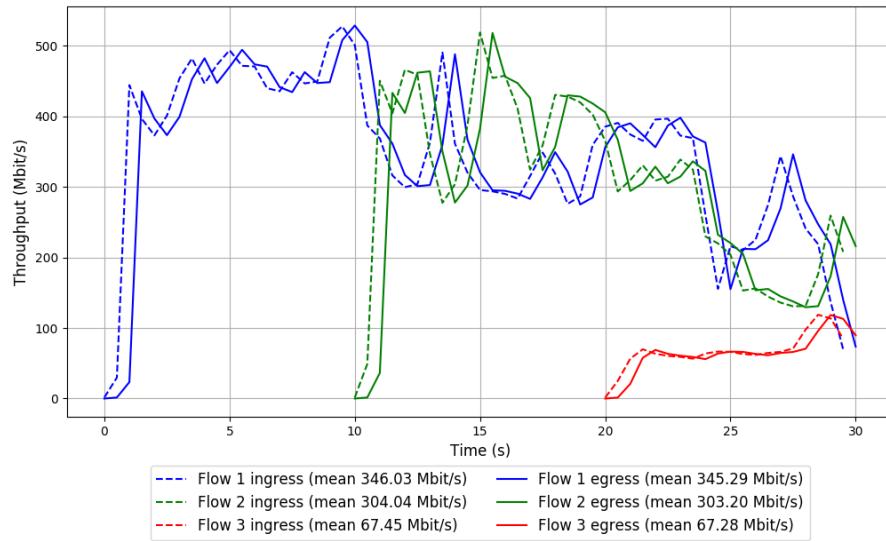


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-24 14:03:18
End at: 2018-05-24 14:03:48
Local clock offset: 0.253 ms
Remote clock offset: 0.133 ms

# Below is generated by plot.py at 2018-05-24 20:38:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 569.17 Mbit/s
95th percentile per-packet one-way delay: 19.564 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 345.29 Mbit/s
95th percentile per-packet one-way delay: 18.823 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 303.20 Mbit/s
95th percentile per-packet one-way delay: 21.751 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 67.28 Mbit/s
95th percentile per-packet one-way delay: 19.928 ms
Loss rate: 0.26%
```

Run 1: Report of PCC-Vivace — Data Link

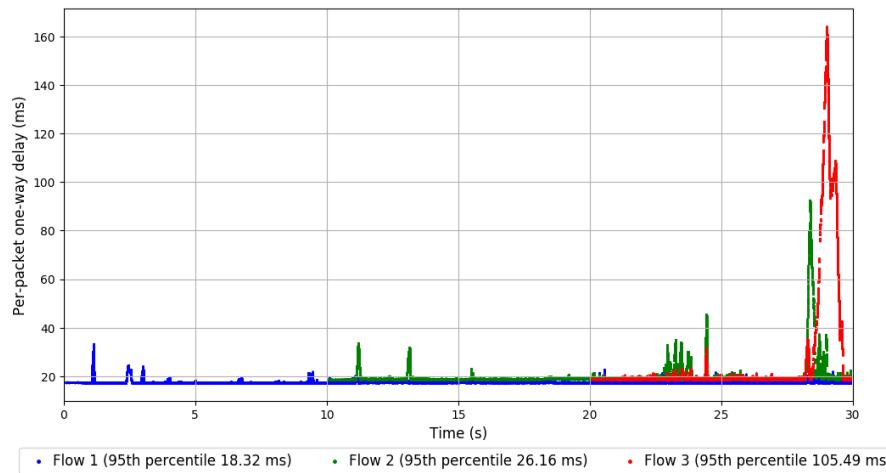
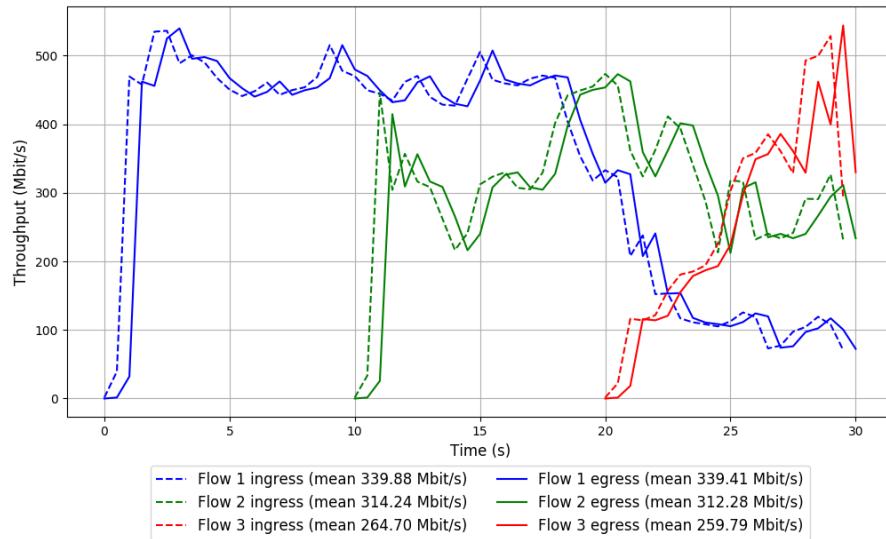


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-24 14:29:14
End at: 2018-05-24 14:29:44
Local clock offset: 0.523 ms
Remote clock offset: 0.608 ms

# Below is generated by plot.py at 2018-05-24 20:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 632.81 Mbit/s
95th percentile per-packet one-way delay: 26.341 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 339.41 Mbit/s
95th percentile per-packet one-way delay: 18.325 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 312.28 Mbit/s
95th percentile per-packet one-way delay: 26.165 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 259.79 Mbit/s
95th percentile per-packet one-way delay: 105.493 ms
Loss rate: 1.87%
```

Run 2: Report of PCC-Vivace — Data Link

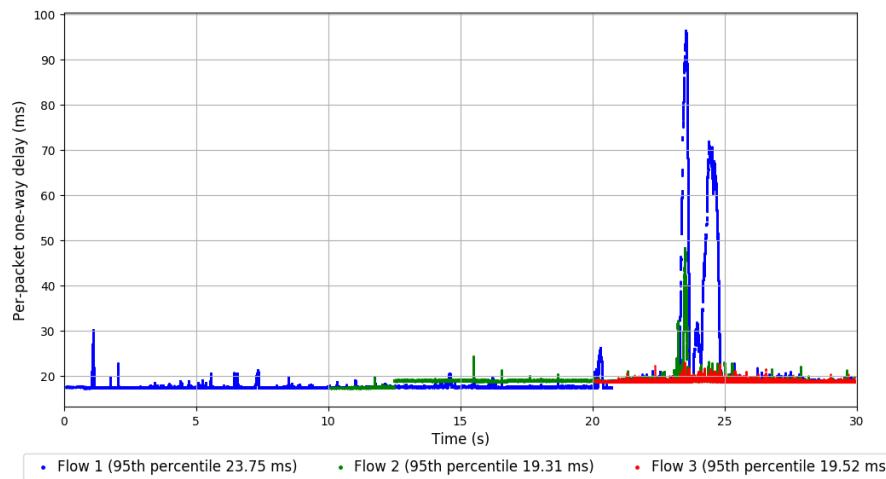
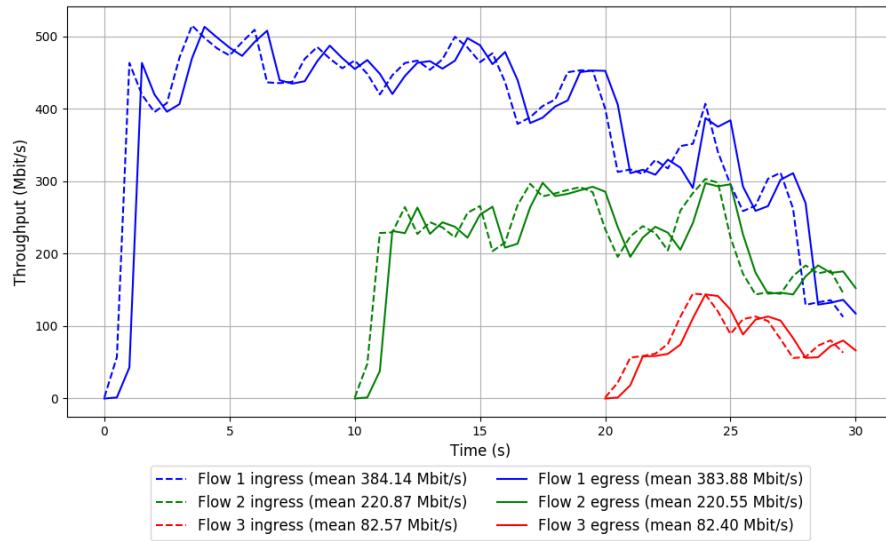


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-24 14:55:16
End at: 2018-05-24 14:55:46
Local clock offset: 0.189 ms
Remote clock offset: 1.137 ms

# Below is generated by plot.py at 2018-05-24 20:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 557.78 Mbit/s
95th percentile per-packet one-way delay: 20.413 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 383.88 Mbit/s
95th percentile per-packet one-way delay: 23.754 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 220.55 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 19.521 ms
Loss rate: 0.20%
```

Run 3: Report of PCC-Vivace — Data Link

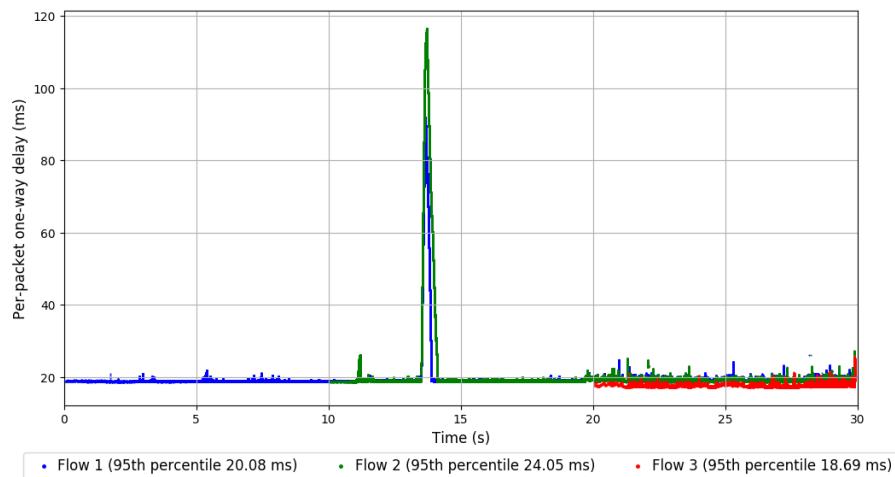
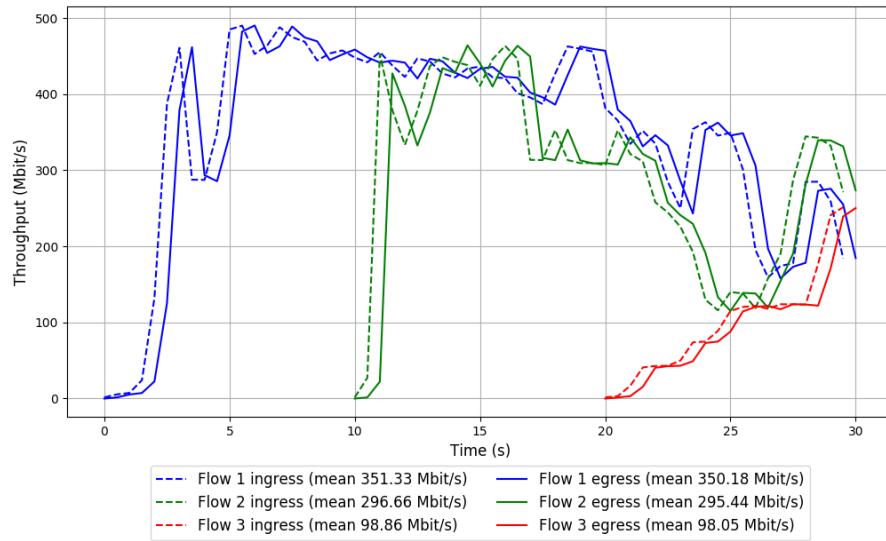


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-24 15:21:25
End at: 2018-05-24 15:21:55
Local clock offset: 0.158 ms
Remote clock offset: 0.692 ms

# Below is generated by plot.py at 2018-05-24 20:40:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 579.08 Mbit/s
95th percentile per-packet one-way delay: 20.206 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 350.18 Mbit/s
95th percentile per-packet one-way delay: 20.078 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 295.44 Mbit/s
95th percentile per-packet one-way delay: 24.050 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 98.05 Mbit/s
95th percentile per-packet one-way delay: 18.687 ms
Loss rate: 0.80%
```

Run 4: Report of PCC-Vivace — Data Link

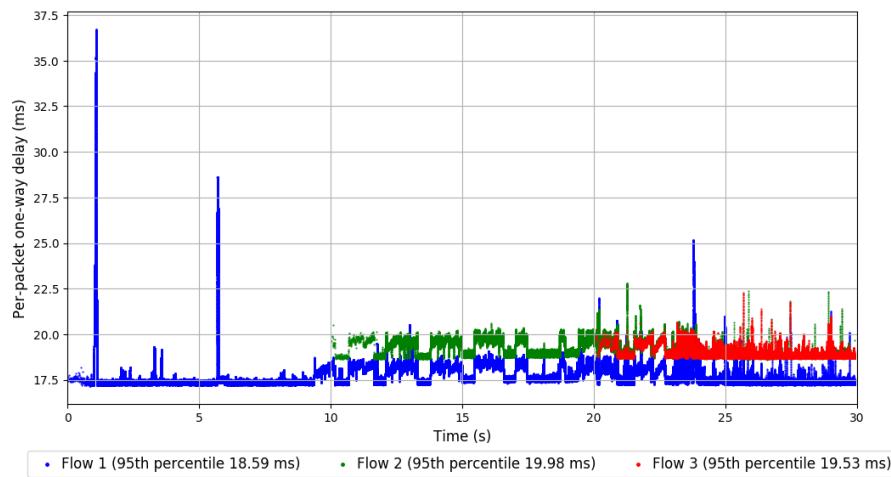
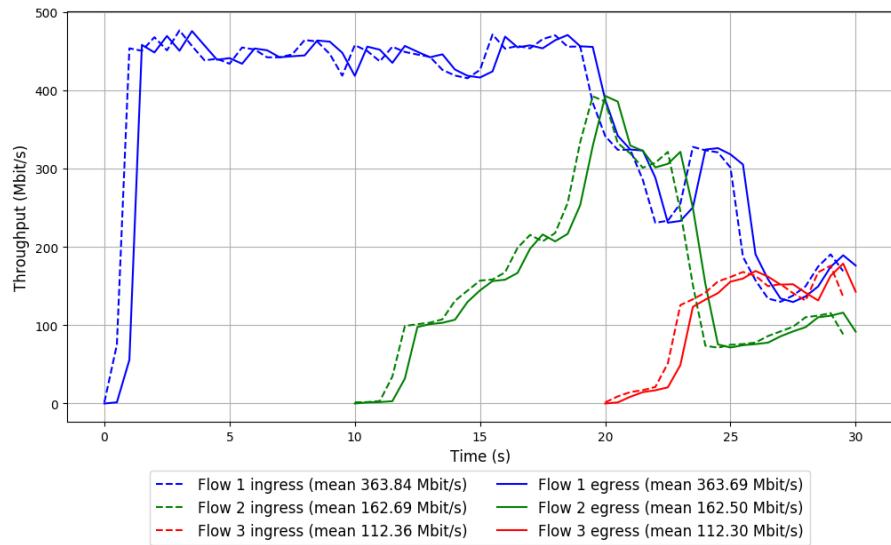


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-24 15:47:06
End at: 2018-05-24 15:47:36
Local clock offset: 0.401 ms
Remote clock offset: 0.31 ms

# Below is generated by plot.py at 2018-05-24 20:41:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 508.79 Mbit/s
95th percentile per-packet one-way delay: 19.751 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 363.69 Mbit/s
95th percentile per-packet one-way delay: 18.588 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 162.50 Mbit/s
95th percentile per-packet one-way delay: 19.985 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 112.30 Mbit/s
95th percentile per-packet one-way delay: 19.527 ms
Loss rate: 0.08%
```

Run 5: Report of PCC-Vivace — Data Link

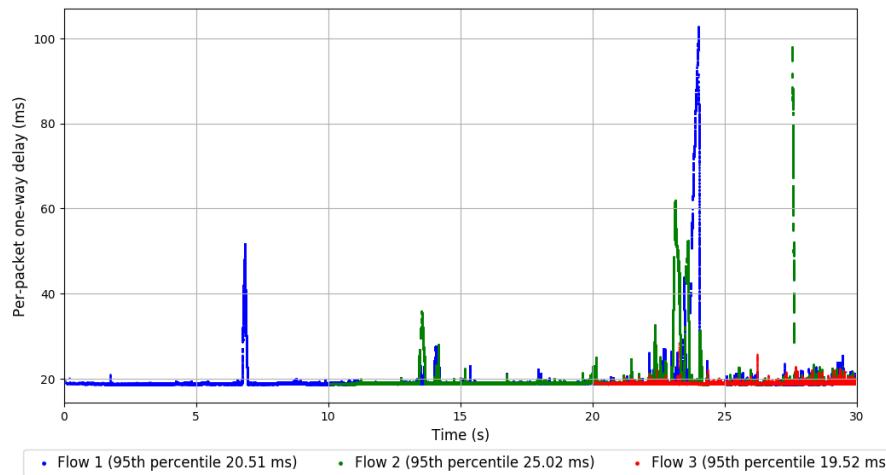
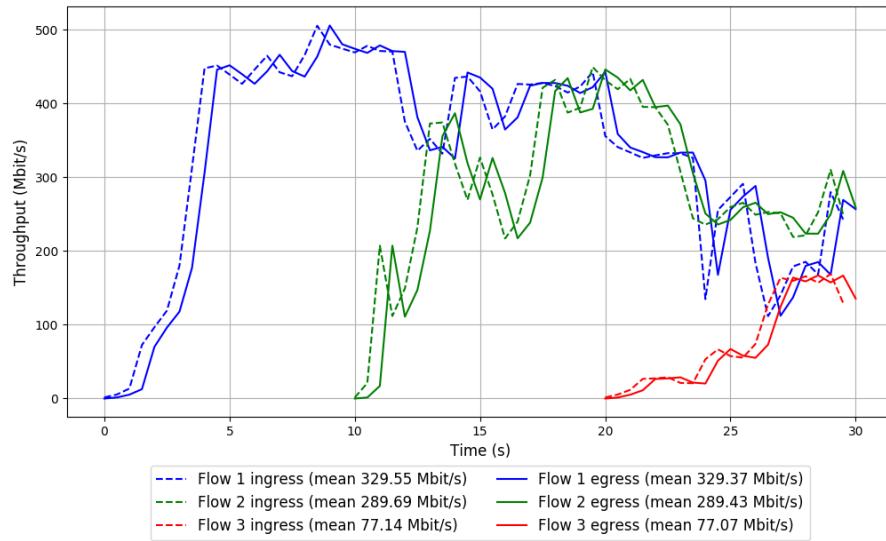


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-24 16:12:58
End at: 2018-05-24 16:13:28
Local clock offset: 0.199 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2018-05-24 20:42:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 547.08 Mbit/s
95th percentile per-packet one-way delay: 21.542 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 329.37 Mbit/s
95th percentile per-packet one-way delay: 20.511 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 289.43 Mbit/s
95th percentile per-packet one-way delay: 25.025 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.08%
```

Run 6: Report of PCC-Vivace — Data Link

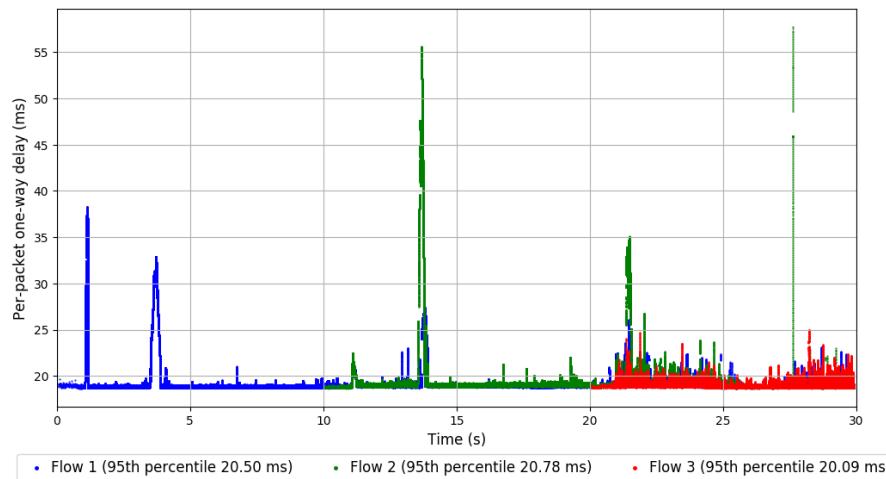
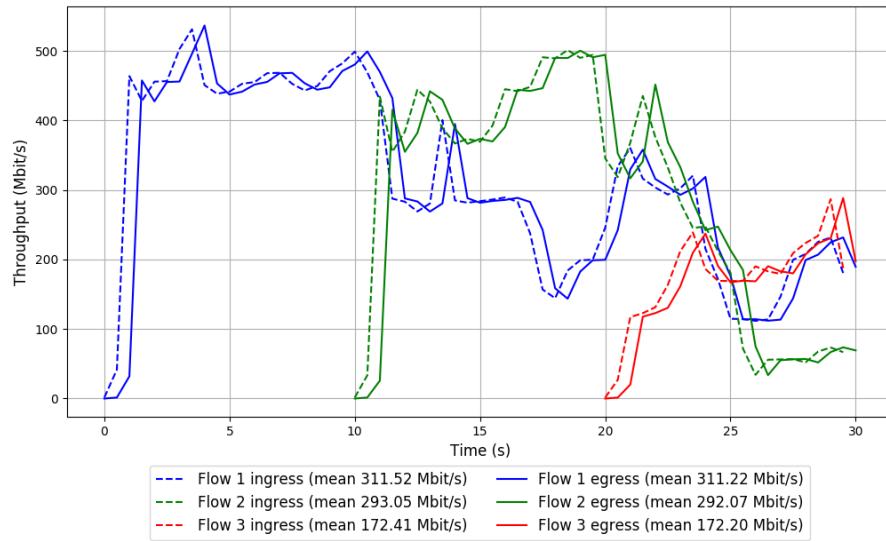


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-24 16:38:40
End at: 2018-05-24 16:39:10
Local clock offset: 0.184 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-05-24 20:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 562.41 Mbit/s
95th percentile per-packet one-way delay: 20.497 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 311.22 Mbit/s
95th percentile per-packet one-way delay: 20.502 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 292.07 Mbit/s
95th percentile per-packet one-way delay: 20.776 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 172.20 Mbit/s
95th percentile per-packet one-way delay: 20.091 ms
Loss rate: 0.12%
```

Run 7: Report of PCC-Vivace — Data Link

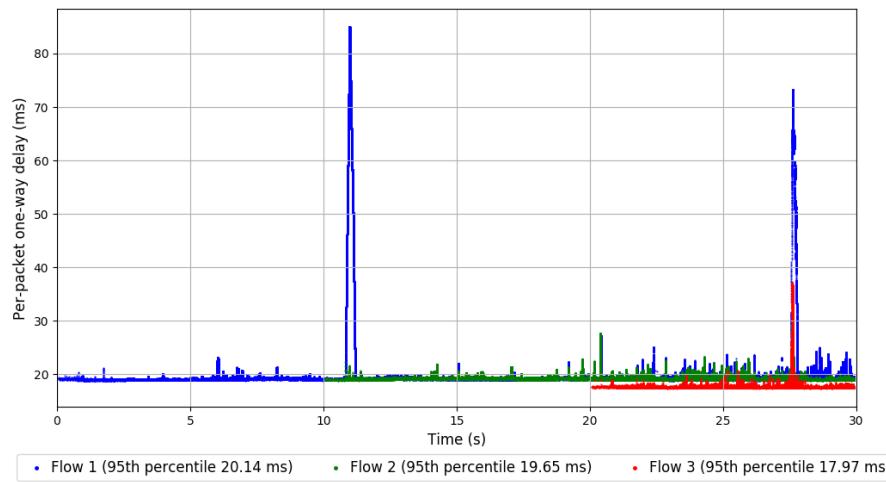
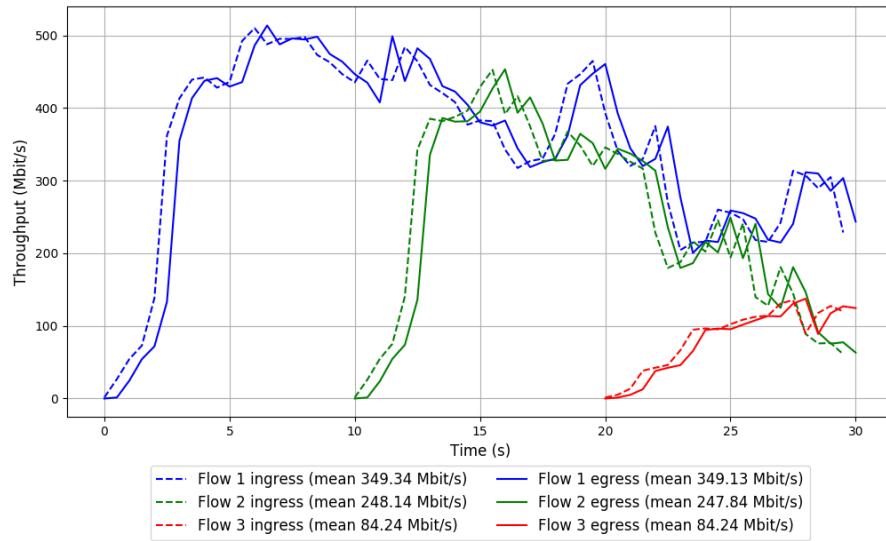


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-24 17:04:21
End at: 2018-05-24 17:04:51
Local clock offset: 0.156 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at 2018-05-24 20:42:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 541.75 Mbit/s
95th percentile per-packet one-way delay: 19.858 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 349.13 Mbit/s
95th percentile per-packet one-way delay: 20.140 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 247.84 Mbit/s
95th percentile per-packet one-way delay: 19.651 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 17.966 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

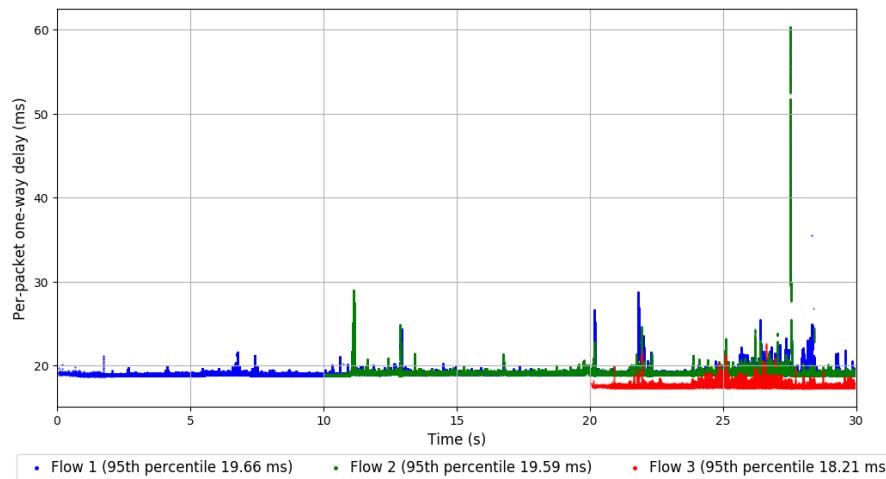
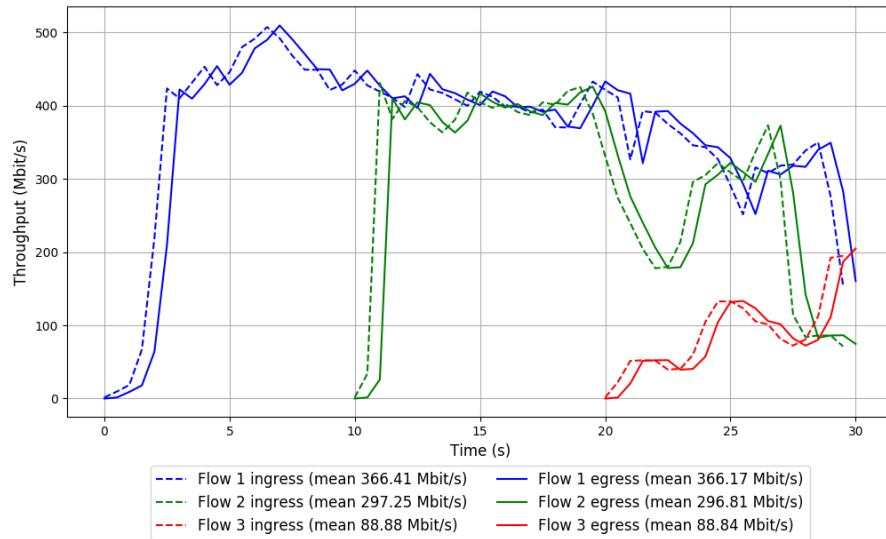


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-24 17:30:14
End at: 2018-05-24 17:30:44
Local clock offset: 0.27 ms
Remote clock offset: 0.155 ms

# Below is generated by plot.py at 2018-05-24 20:43:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 592.89 Mbit/s
95th percentile per-packet one-way delay: 19.596 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 366.17 Mbit/s
95th percentile per-packet one-way delay: 19.658 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 296.81 Mbit/s
95th percentile per-packet one-way delay: 19.595 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 18.211 ms
Loss rate: 0.04%
```

Run 9: Report of PCC-Vivace — Data Link

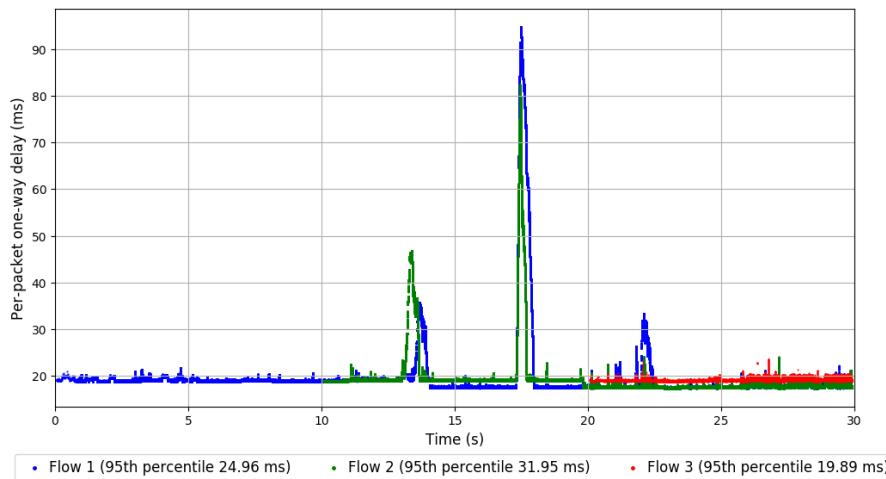
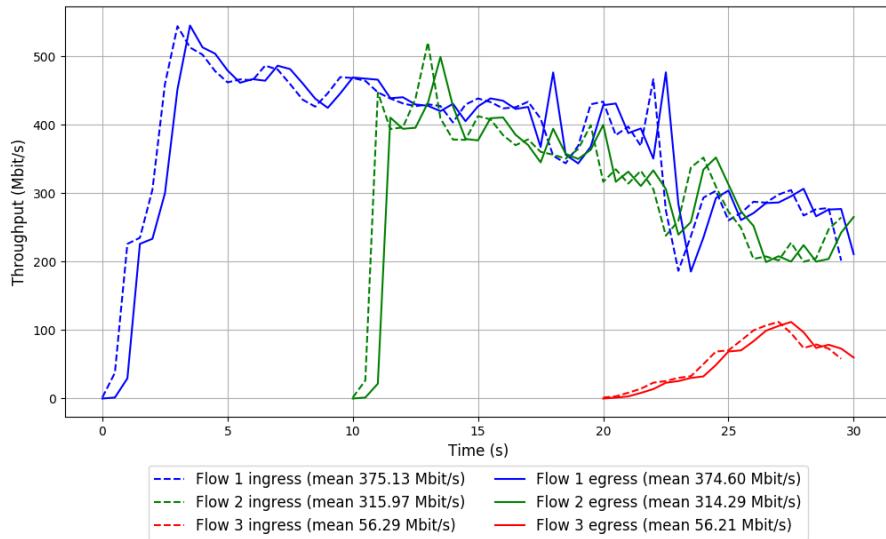


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-24 17:55:41
End at: 2018-05-24 17:56:11
Local clock offset: 0.556 ms
Remote clock offset: 0.273 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 602.23 Mbit/s
95th percentile per-packet one-way delay: 25.688 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 374.60 Mbit/s
95th percentile per-packet one-way delay: 24.957 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 314.29 Mbit/s
95th percentile per-packet one-way delay: 31.949 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 19.886 ms
Loss rate: 0.21%
```

Run 10: Report of PCC-Vivace — Data Link

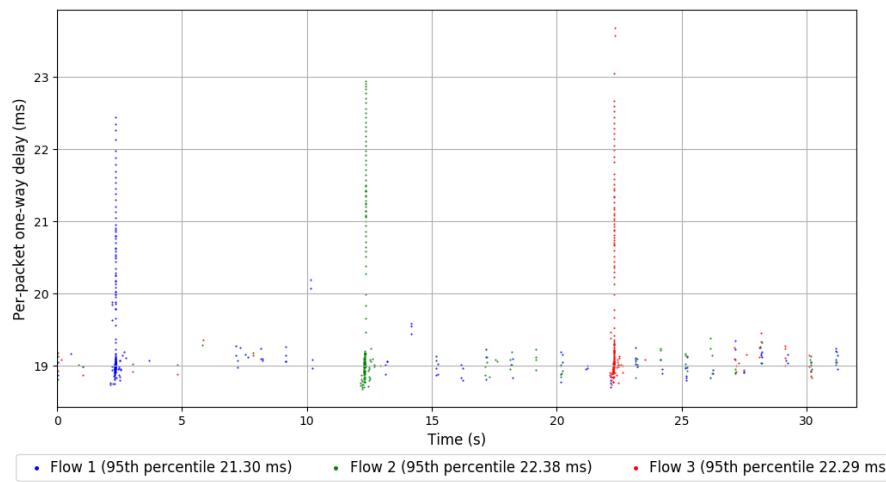
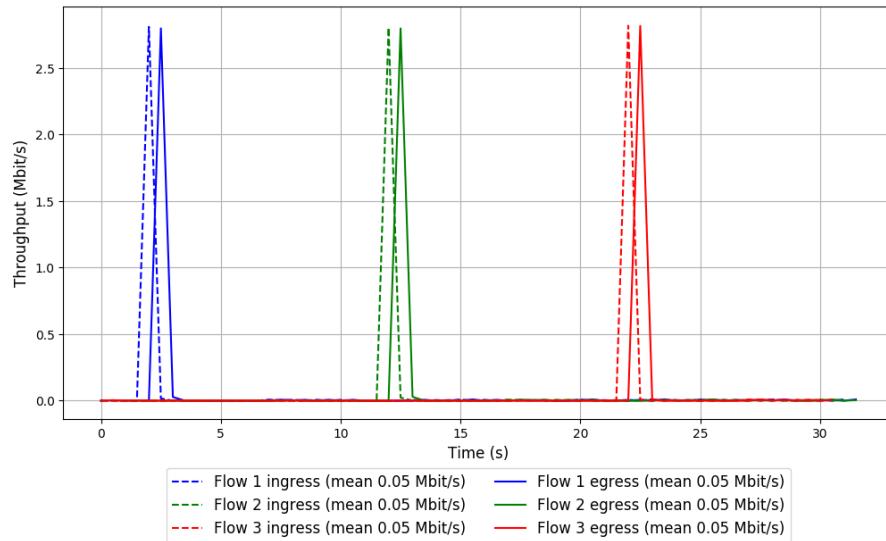


Run 1: Statistics of WebRTC media

```
Start at: 2018-05-24 14:08:55
End at: 2018-05-24 14:09:25
Local clock offset: 0.343 ms
Remote clock offset: 0.304 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 22.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 21.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 22.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 22.293 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

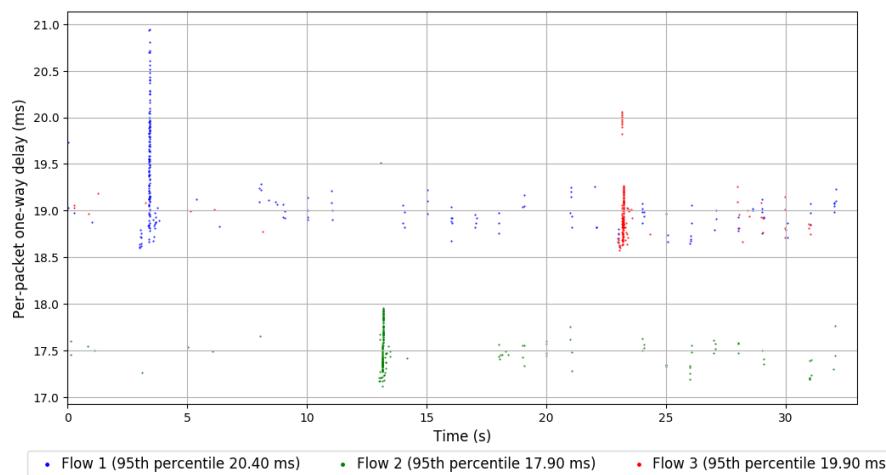
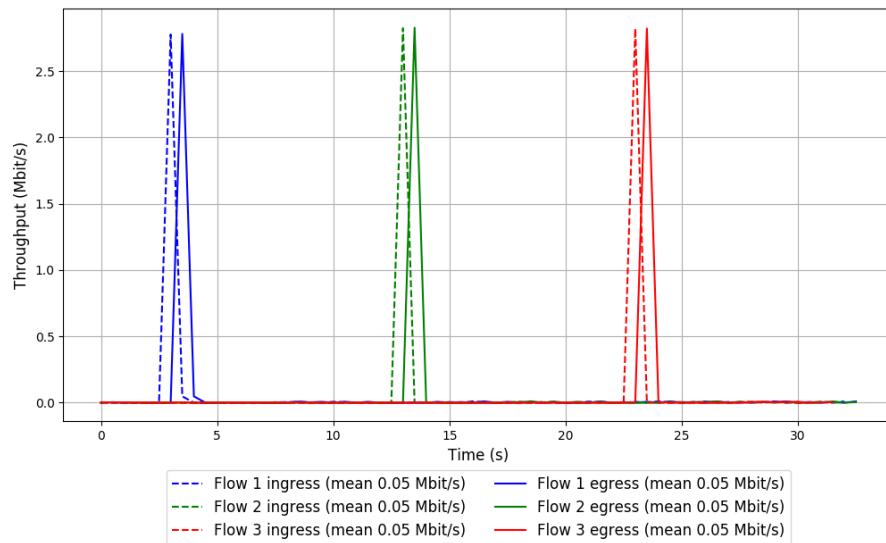


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-24 14:34:57
End at: 2018-05-24 14:35:27
Local clock offset: 0.369 ms
Remote clock offset: 0.773 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.399 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.897 ms
Loss rate: 0.00%
```

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

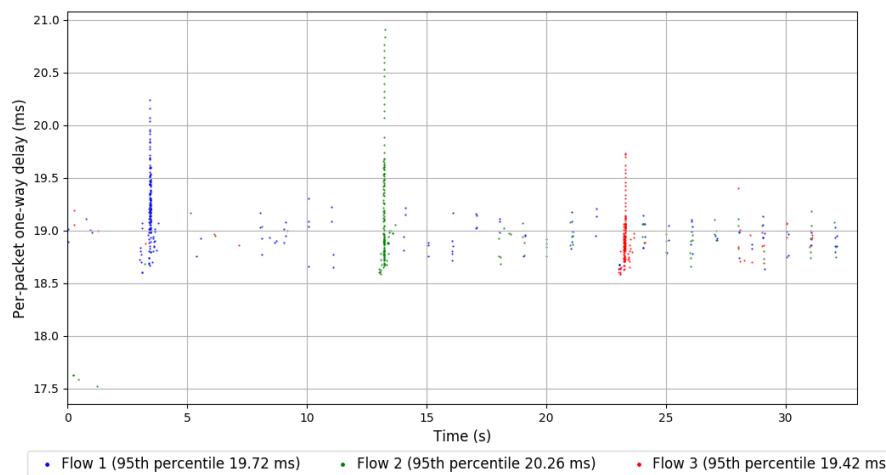
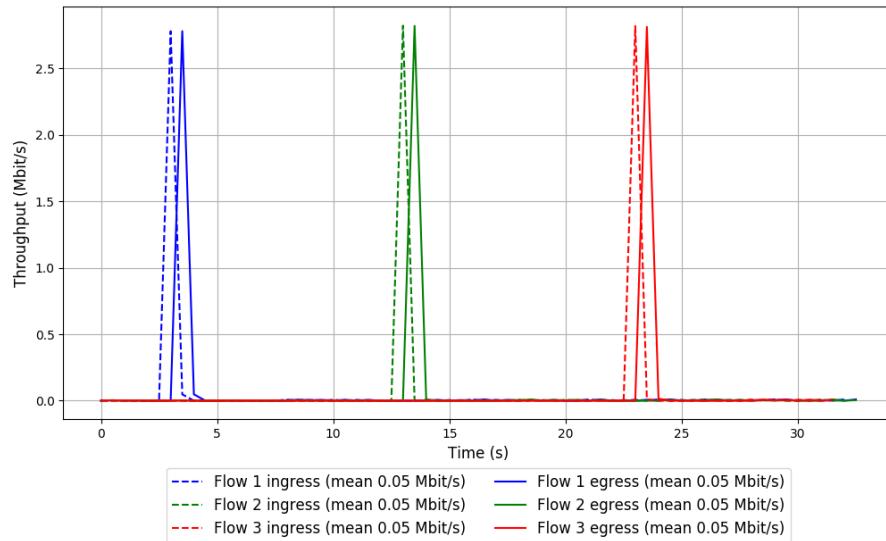


```
Run 3: Statistics of WebRTC media

Start at: 2018-05-24 15:00:48
End at: 2018-05-24 15:01:18
Local clock offset: 0.161 ms
Remote clock offset: 1.283 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.718 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.422 ms
Loss rate: 0.00%
```

### Run 3: Report of WebRTC media — Data Link

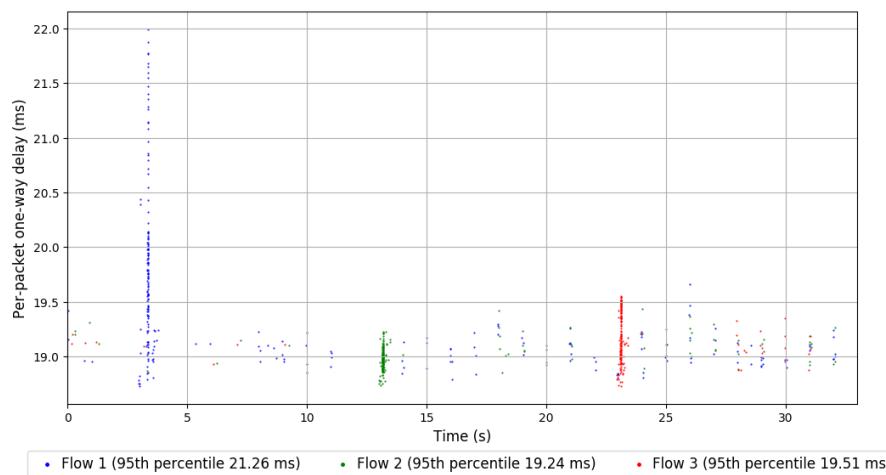
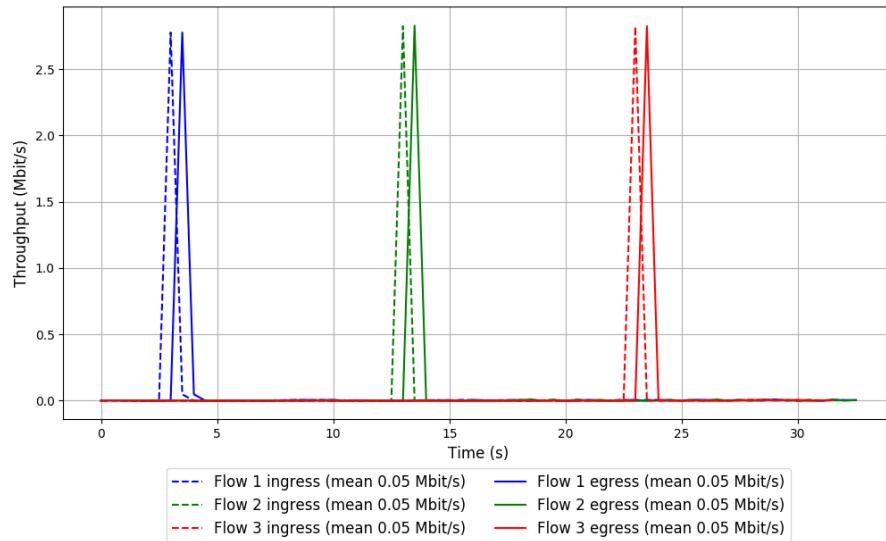


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-24 15:26:50
End at: 2018-05-24 15:27:20
Local clock offset: 0.161 ms
Remote clock offset: 0.665 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 20.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 21.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.236 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.00%
```

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

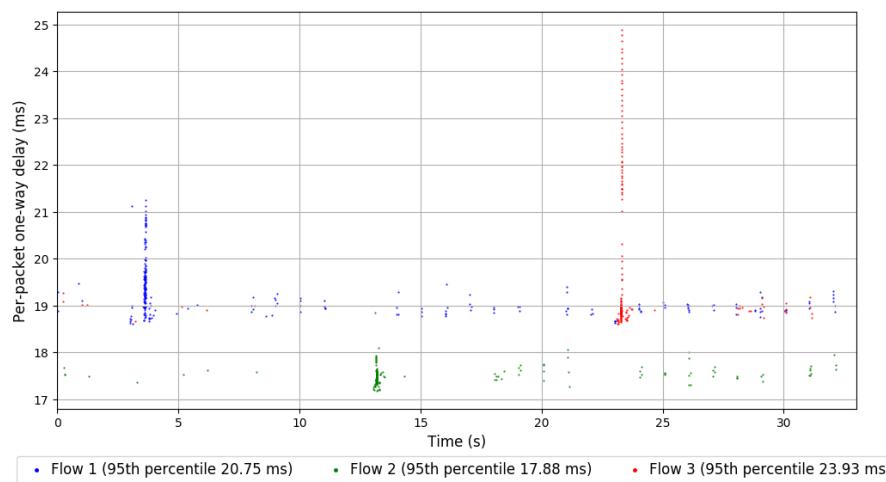
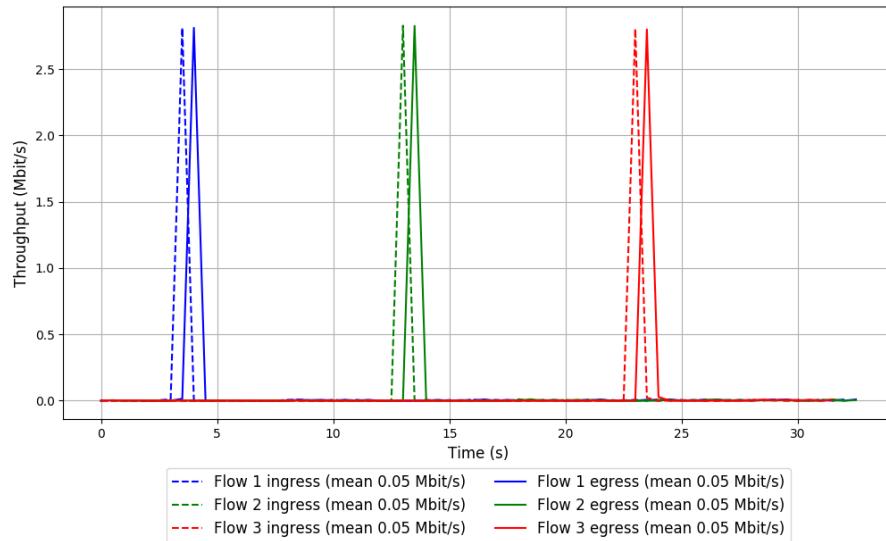


```
Run 5: Statistics of WebRTC media

Start at: 2018-05-24 15:52:28
End at: 2018-05-24 15:52:58
Local clock offset: 0.406 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 21.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.880 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 23.929 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

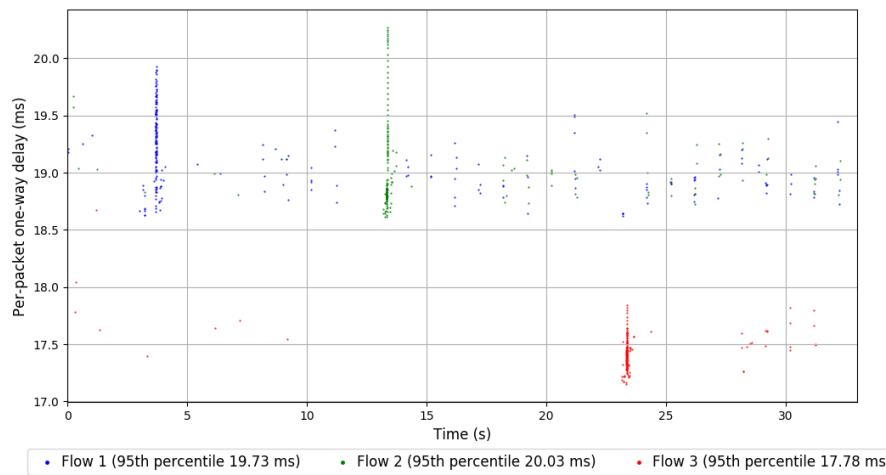
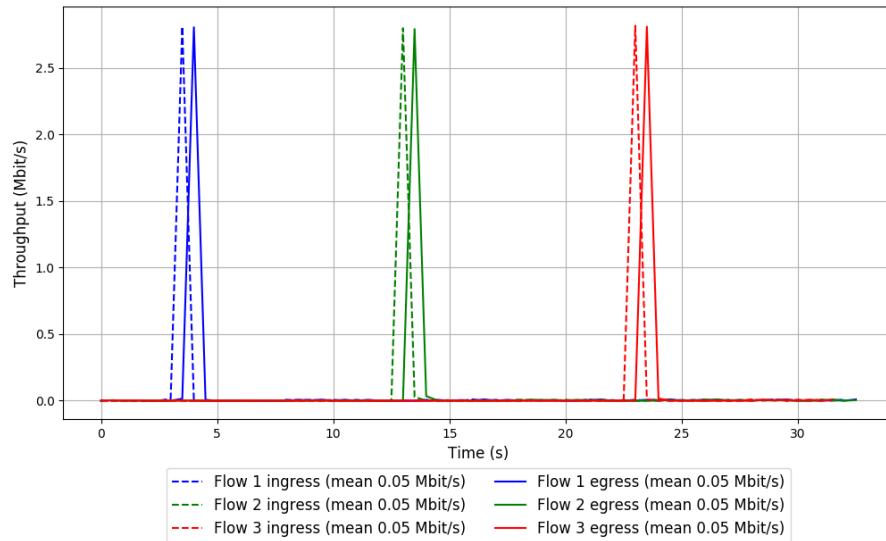


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-24 16:18:30
End at: 2018-05-24 16:19:00
Local clock offset: 0.183 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.777 ms
Loss rate: 0.00%
```

## Run 6: Report of WebRTC media — Data Link

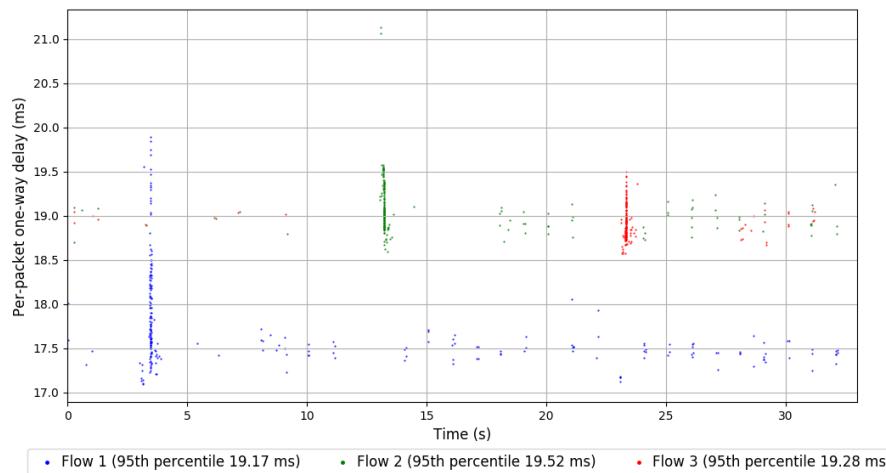
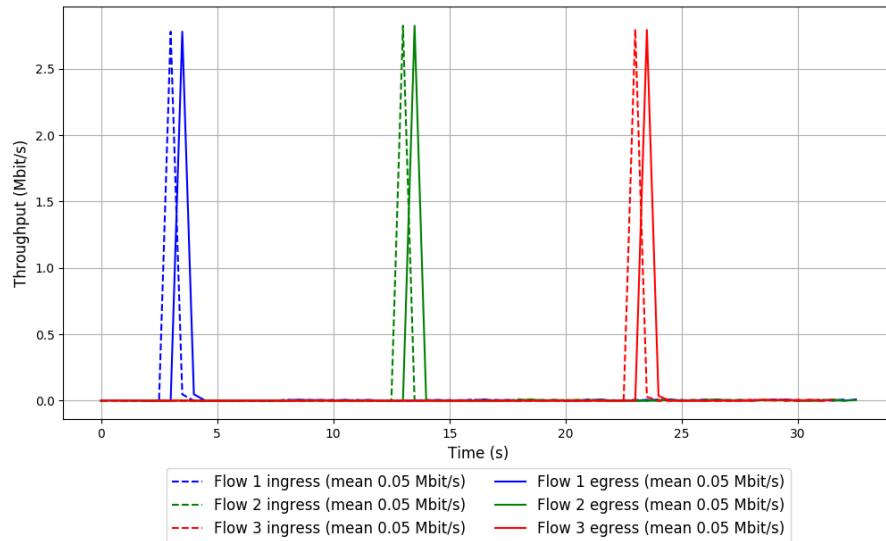


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-24 16:44:01
End at: 2018-05-24 16:44:31
Local clock offset: 0.194 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.522 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.280 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

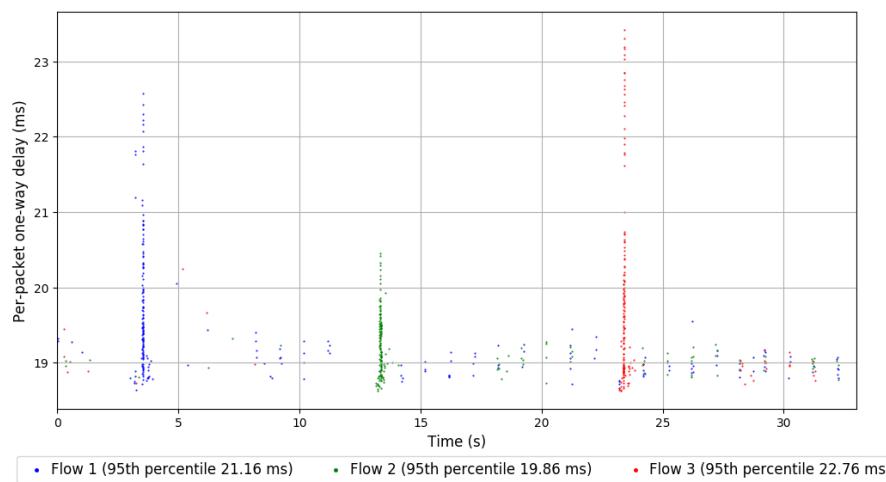
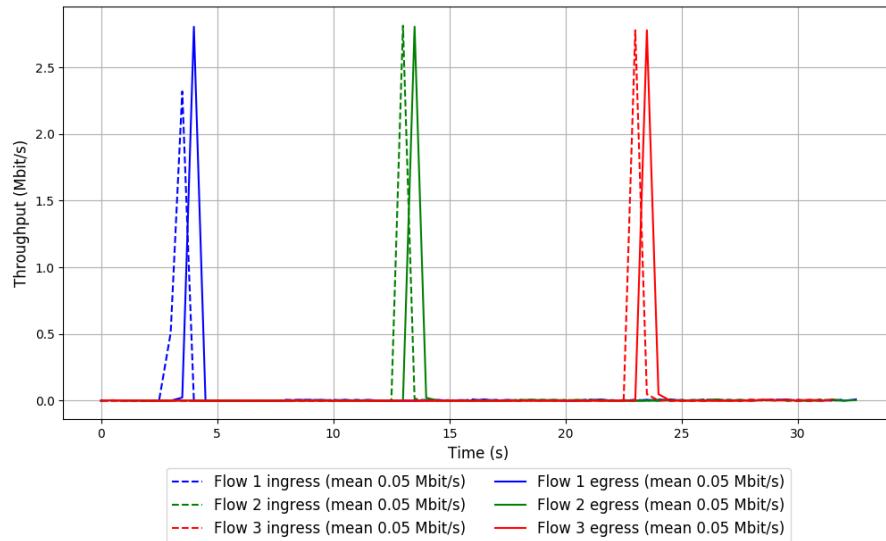


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-24 17:09:48
End at: 2018-05-24 17:10:18
Local clock offset: 0.272 ms
Remote clock offset: 0.117 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 21.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 21.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 22.756 ms
Loss rate: 0.00%
```

### Run 8: Report of WebRTC media — Data Link

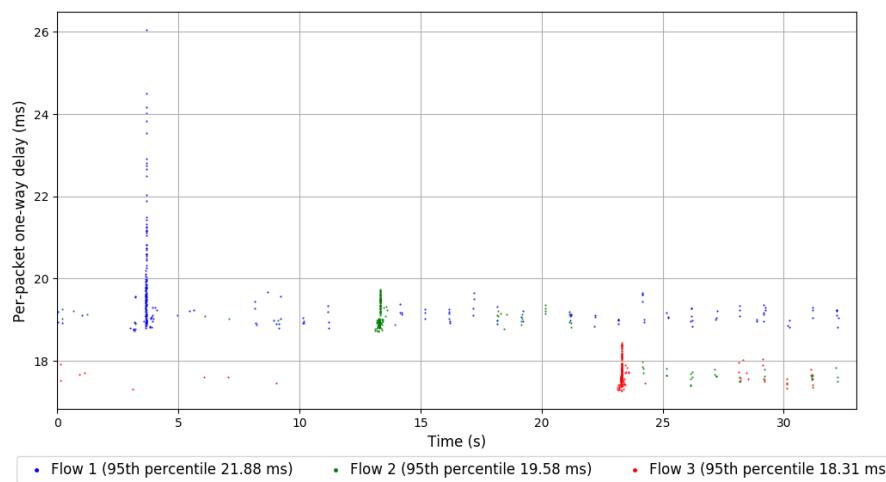
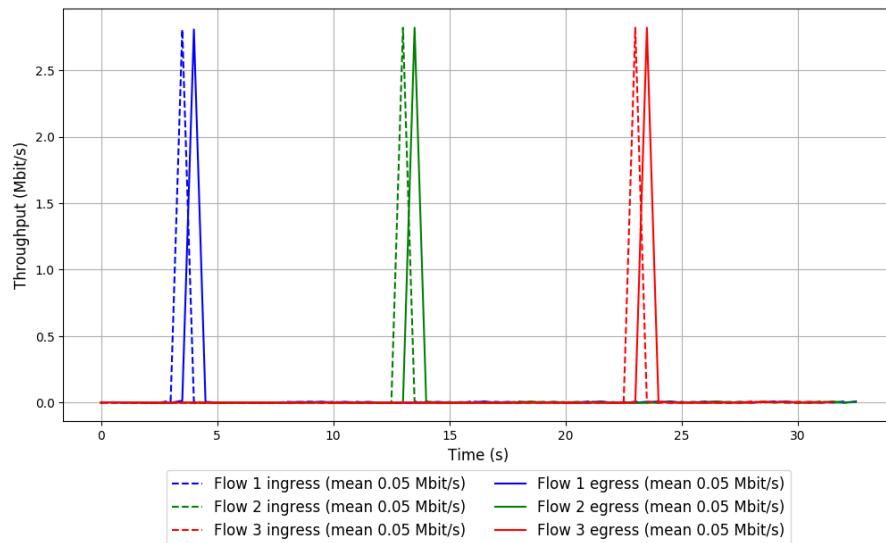


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-24 17:35:40
End at: 2018-05-24 17:36:10
Local clock offset: 0.386 ms
Remote clock offset: 0.201 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 20.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 21.880 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.309 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-24 18:01:21
End at: 2018-05-24 18:01:51
Local clock offset: 0.602 ms
Remote clock offset: 0.275 ms

# Below is generated by plot.py at 2018-05-24 20:43:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 22.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 22.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.881 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 24.391 ms
Loss rate: 0.00%
```

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

