

Pantheon Report

Generated at 2018-05-25 15:40:01 (UTC).

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

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.

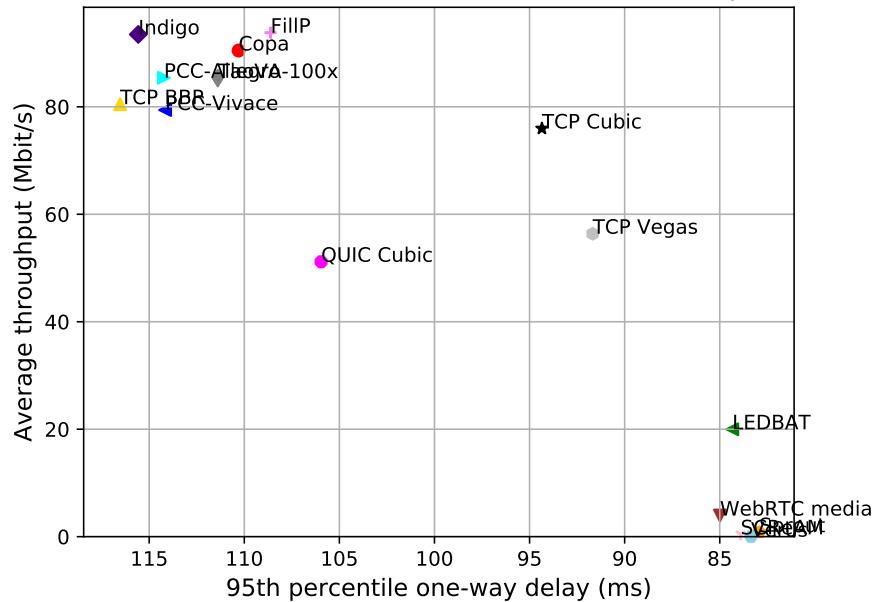
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

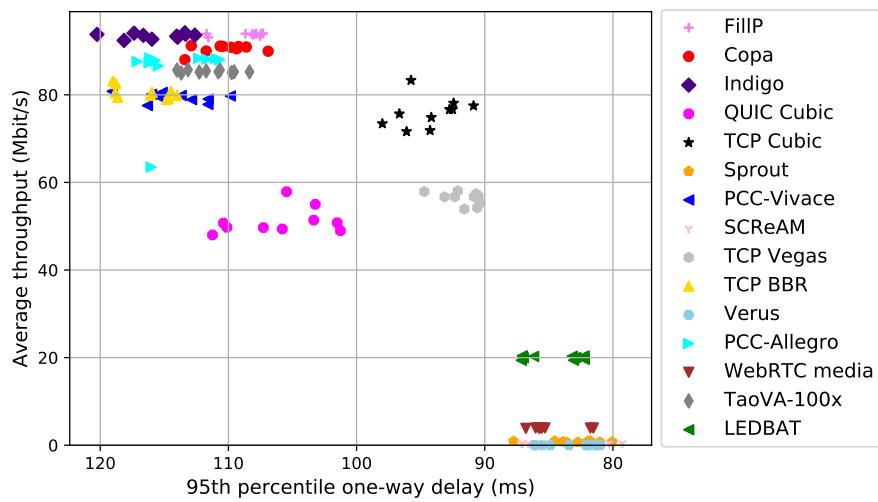
Git summary:

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



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



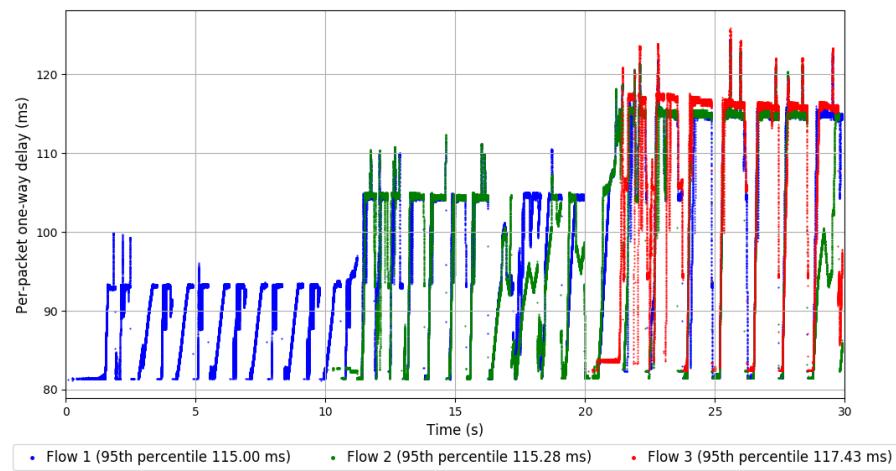
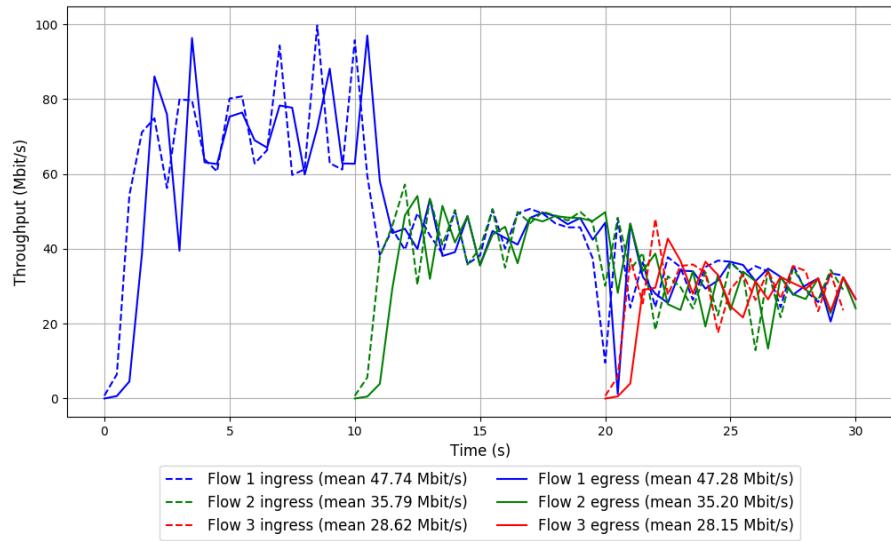
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 47.58 | 35.62 | 28.15 | 116.19 | 116.08 | 116.88 | 1.26 | 2.31 | 3.77 |
| Copa | | 56.60 | 36.58 | 29.15 | 109.02 | 108.49 | 110.78 | 1.79 | 2.45 | 3.67 |
| TCP Cubic | | 46.86 | 32.26 | 23.36 | 94.13 | 98.59 | 104.01 | 0.39 | 0.68 | 1.87 |
| FillP | | 57.96 | 39.22 | 29.86 | 107.38 | 108.95 | 109.69 | 1.55 | 3.26 | 4.83 |
| Indigo | | 58.10 | 38.92 | 29.42 | 114.27 | 116.56 | 112.58 | 3.36 | 1.33 | 2.50 |
| LEDBAT | | 12.91 | 8.63 | 4.12 | 84.20 | 84.26 | 84.03 | 1.09 | 1.65 | 3.33 |
| PCC-Allegro | | 52.20 | 35.56 | 29.47 | 110.62 | 115.02 | 115.52 | 6.46 | 5.22 | 4.29 |
| PCC-Expr | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| QUIC Cubic | | 28.81 | 23.71 | 20.22 | 102.29 | 106.56 | 114.48 | 0.63 | 1.17 | 2.61 |
| SCReAM | | 0.22 | 0.22 | 0.22 | 82.92 | 83.17 | 83.65 | 0.51 | 0.82 | 1.61 |
| Sprout | | 0.36 | 0.43 | 0.56 | 82.40 | 82.31 | 83.09 | 0.39 | 0.86 | 0.61 |
| TaoVA-100x | | 50.60 | 37.35 | 30.20 | 110.84 | 111.01 | 111.25 | 0.43 | 0.89 | 2.04 |
| TCP Vegas | | 33.43 | 25.02 | 19.26 | 90.03 | 93.55 | 107.39 | 0.37 | 0.88 | 1.86 |
| Verus | | 0.00 | 0.00 | 0.00 | 82.53 | 82.94 | 82.24 | 0.00 | 0.00 | 0.00 |
| PCC-Vivace | | 50.79 | 31.40 | 23.80 | 111.48 | 115.22 | 116.44 | 3.45 | 2.25 | 2.76 |
| WebRTC media | | 2.12 | 1.32 | 0.51 | 84.61 | 84.33 | 84.86 | 0.65 | 0.88 | 2.89 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-25 12:16:16
End at: 2018-05-25 12:16:46
Local clock offset: -6.357 ms
Remote clock offset: 13.596 ms

# Below is generated by plot.py at 2018-05-25 15:25:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.90 Mbit/s
95th percentile per-packet one-way delay: 116.084 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 47.28 Mbit/s
95th percentile per-packet one-way delay: 115.004 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 115.277 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 117.432 ms
Loss rate: 2.70%
```

Run 1: Report of TCP BBR — Data Link

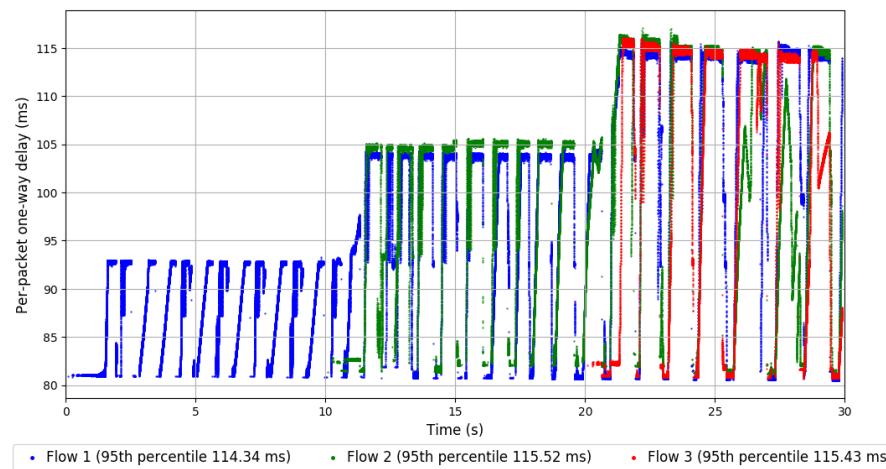
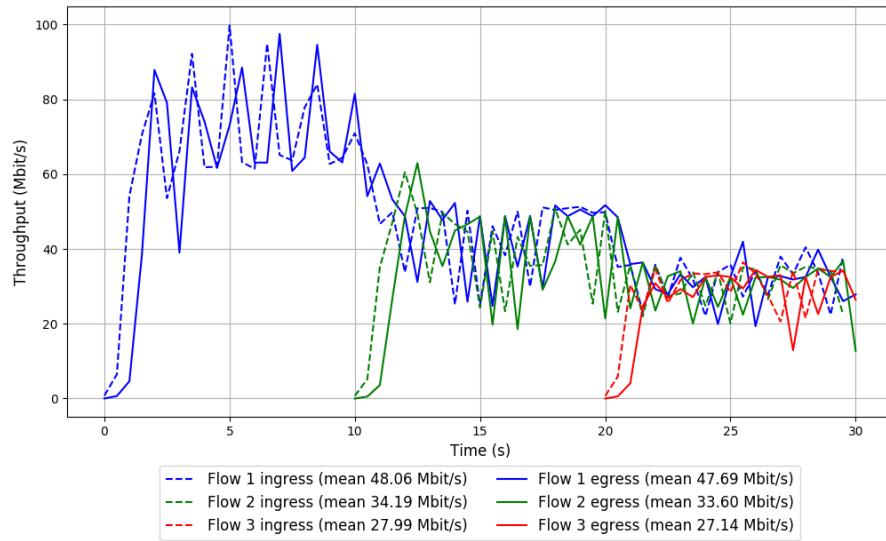


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-25 12:35:55
End at: 2018-05-25 12:36:25
Local clock offset: -6.511 ms
Remote clock offset: 16.267 ms

# Below is generated by plot.py at 2018-05-25 15:25:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 114.810 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 47.69 Mbit/s
95th percentile per-packet one-way delay: 114.338 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 115.524 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 27.14 Mbit/s
95th percentile per-packet one-way delay: 115.434 ms
Loss rate: 4.64%
```

Run 2: Report of TCP BBR — Data Link

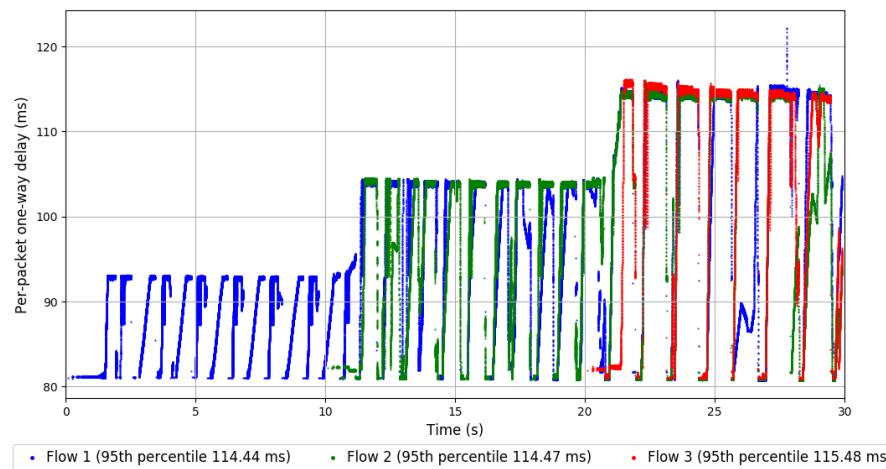
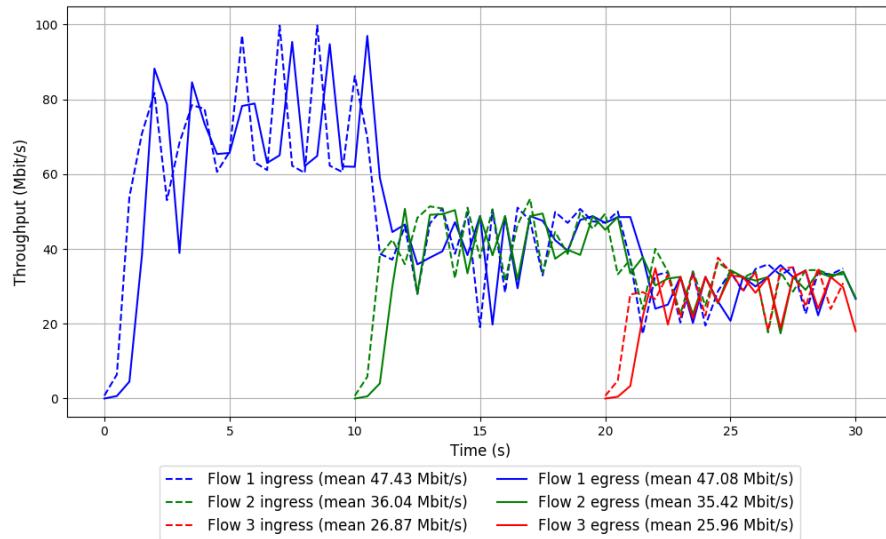


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-25 12:55:34
End at: 2018-05-25 12:56:04
Local clock offset: -6.792 ms
Remote clock offset: 8.376 ms

# Below is generated by plot.py at 2018-05-25 15:25:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.13 Mbit/s
95th percentile per-packet one-way delay: 114.704 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 114.436 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 114.465 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 115.483 ms
Loss rate: 4.97%
```

Run 3: Report of TCP BBR — Data Link

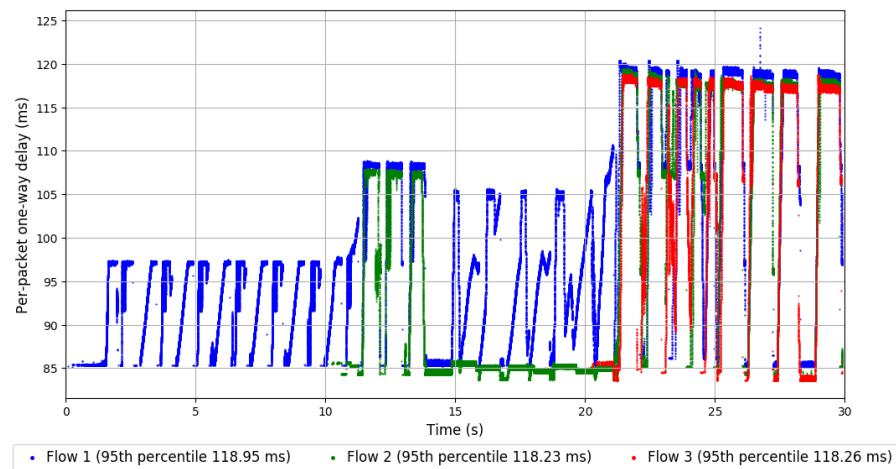
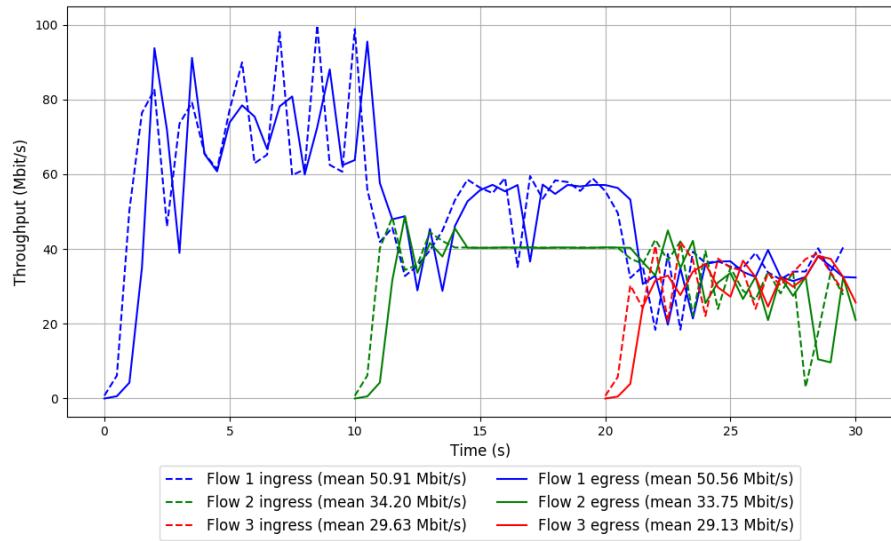


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-25 13:15:13
End at: 2018-05-25 13:15:43
Local clock offset: -1.687 ms
Remote clock offset: 2.968 ms

# Below is generated by plot.py at 2018-05-25 15:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 118.784 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 50.56 Mbit/s
95th percentile per-packet one-way delay: 118.948 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 118.226 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 29.13 Mbit/s
95th percentile per-packet one-way delay: 118.256 ms
Loss rate: 3.35%
```

Run 4: Report of TCP BBR — Data Link

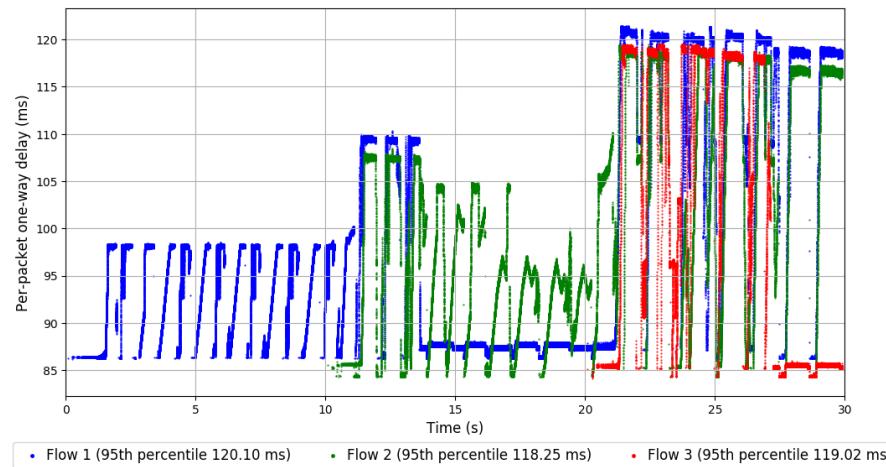
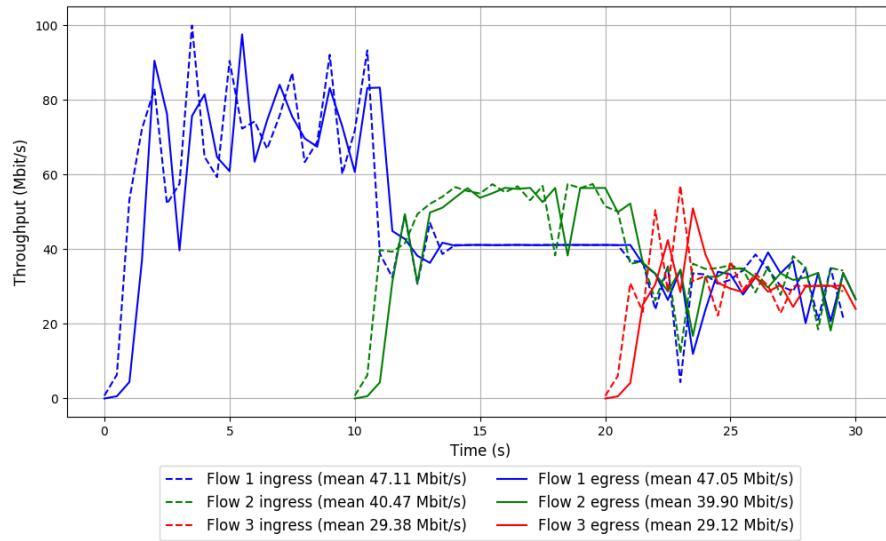


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-25 13:34:52
End at: 2018-05-25 13:35:22
Local clock offset: 0.478 ms
Remote clock offset: 2.89 ms

# Below is generated by plot.py at 2018-05-25 15:25:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 119.006 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 120.099 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 118.255 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 119.024 ms
Loss rate: 2.52%
```

Run 5: Report of TCP BBR — Data Link

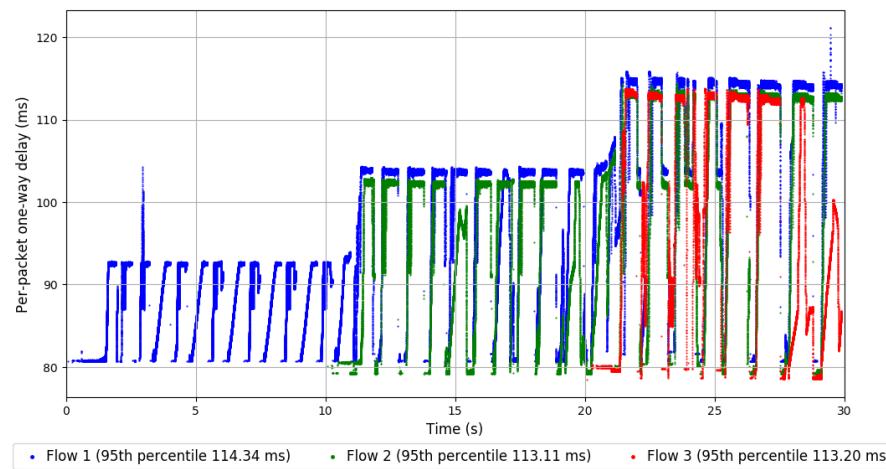
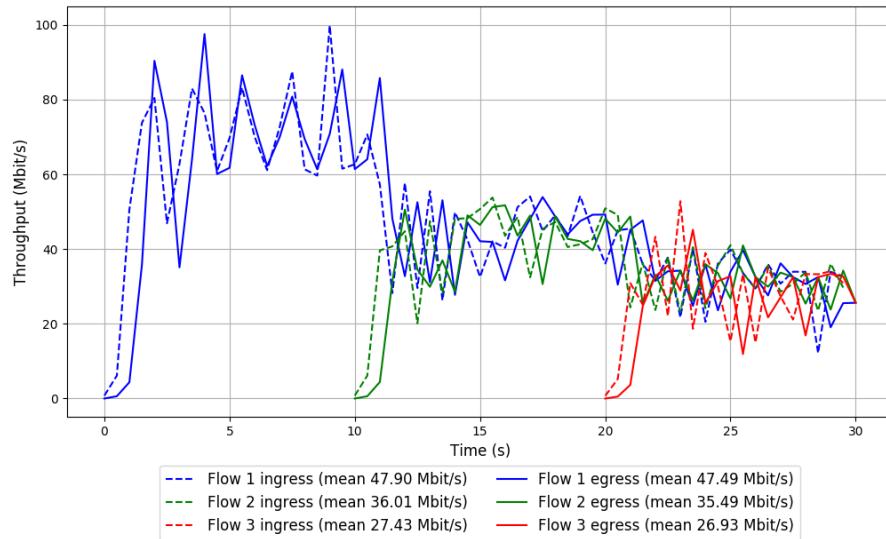


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-25 13:54:31
End at: 2018-05-25 13:55:01
Local clock offset: 0.004 ms
Remote clock offset: 7.306 ms

# Below is generated by plot.py at 2018-05-25 15:25:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 114.002 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 114.342 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 113.107 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 26.93 Mbit/s
95th percentile per-packet one-way delay: 113.203 ms
Loss rate: 3.43%
```

Run 6: Report of TCP BBR — Data Link

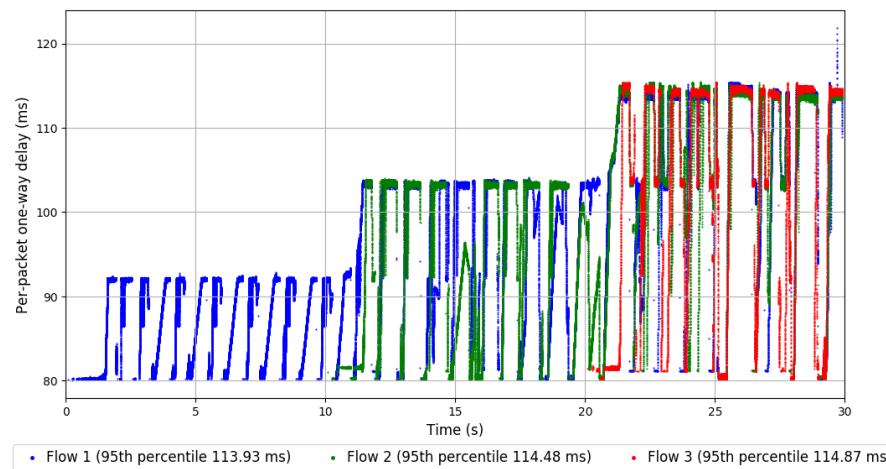
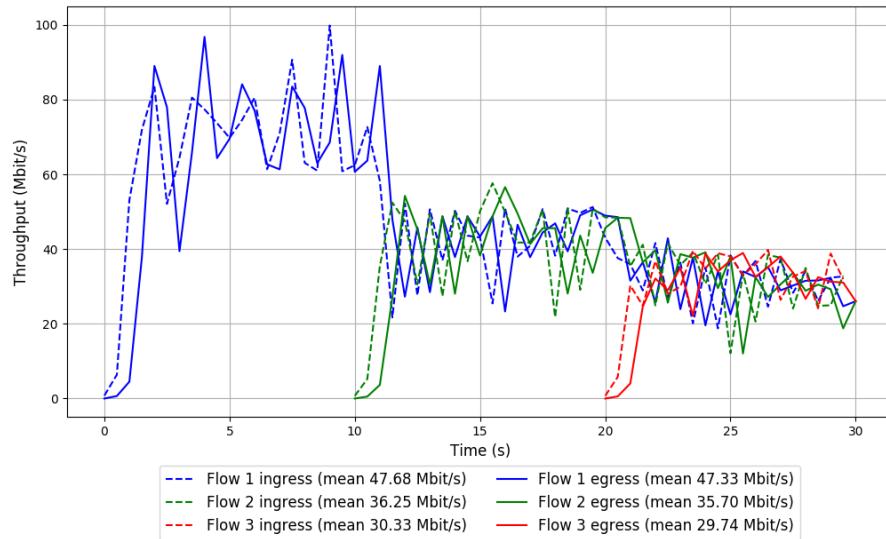


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-25 14:14:09
End at: 2018-05-25 14:14:39
Local clock offset: -6.668 ms
Remote clock offset: 8.195 ms

# Below is generated by plot.py at 2018-05-25 15:25:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.82 Mbit/s
95th percentile per-packet one-way delay: 114.483 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 47.33 Mbit/s
95th percentile per-packet one-way delay: 113.926 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 35.70 Mbit/s
95th percentile per-packet one-way delay: 114.476 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 114.866 ms
Loss rate: 3.53%
```

Run 7: Report of TCP BBR — Data Link

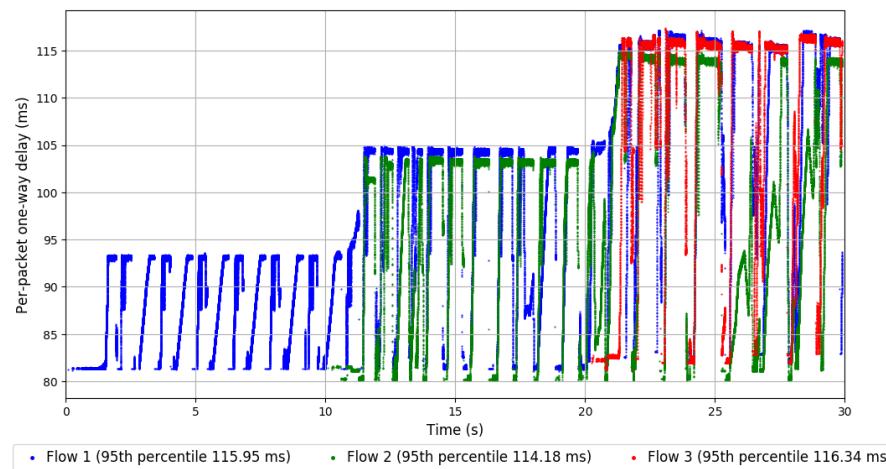
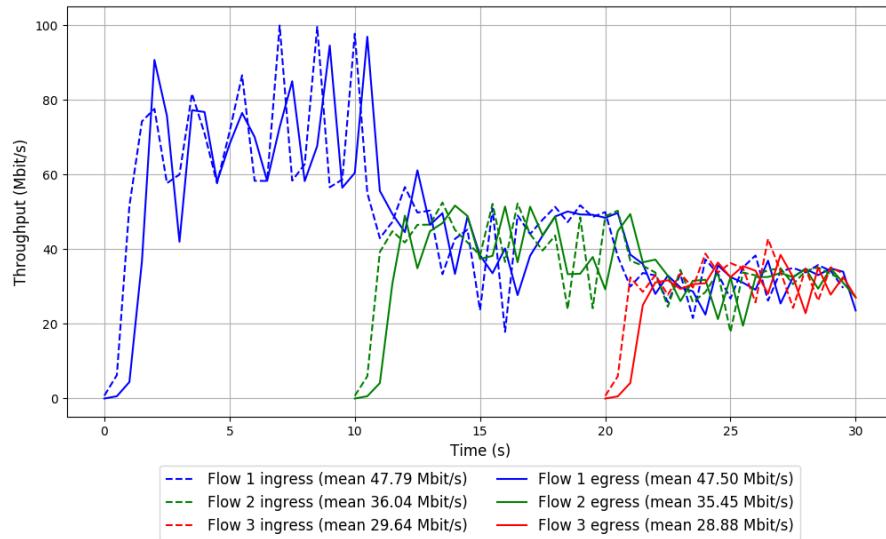


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-25 14:33:48
End at: 2018-05-25 14:34:18
Local clock offset: -4.635 ms
Remote clock offset: 15.408 ms

# Below is generated by plot.py at 2018-05-25 15:25:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 115.955 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 115.947 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 114.182 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 116.345 ms
Loss rate: 4.29%
```

Run 8: Report of TCP BBR — Data Link

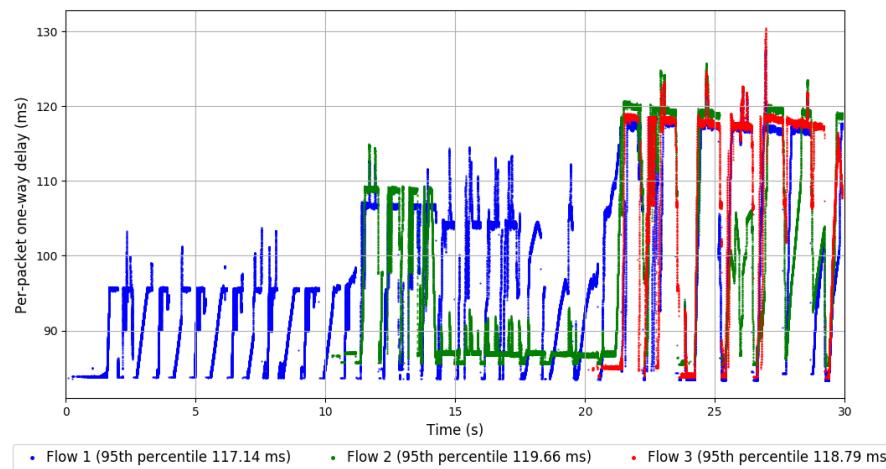
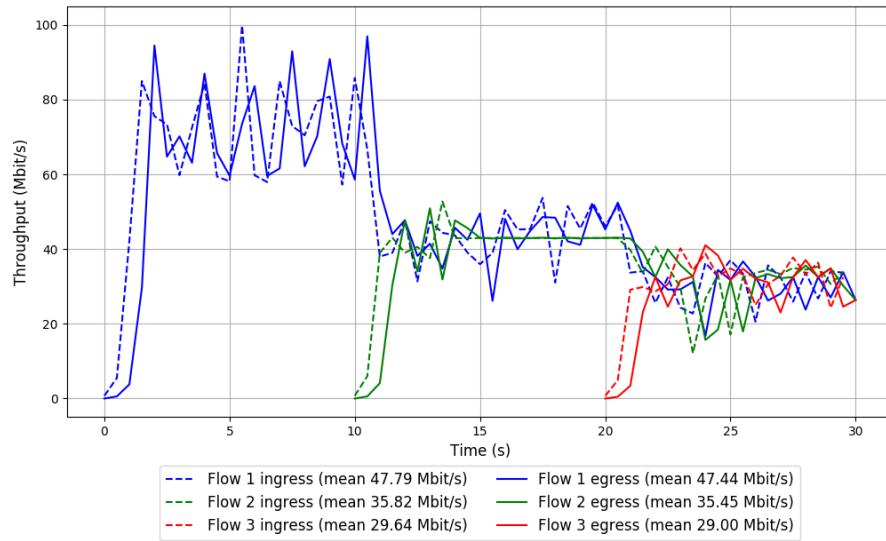


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-25 14:53:26
End at: 2018-05-25 14:53:56
Local clock offset: -3.464 ms
Remote clock offset: 11.268 ms

# Below is generated by plot.py at 2018-05-25 15:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 118.829 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 117.135 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 119.662 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: 118.787 ms
Loss rate: 3.77%
```

Run 9: Report of TCP BBR — Data Link

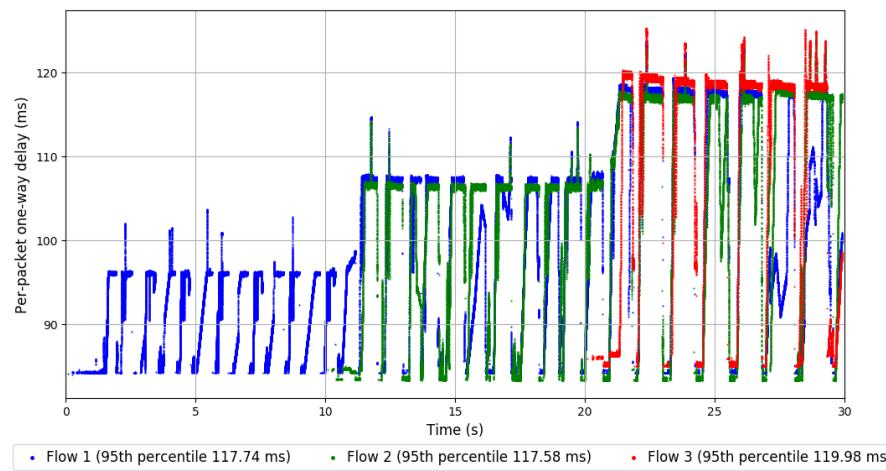
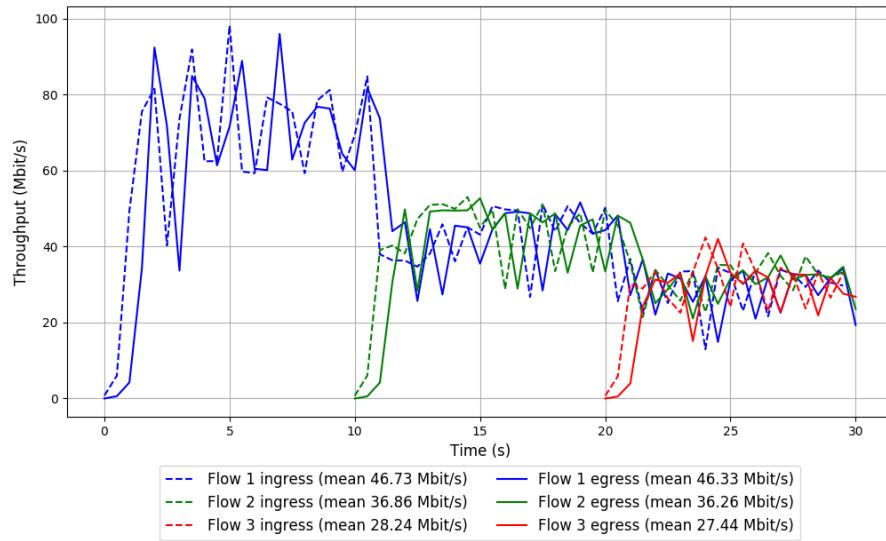


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-25 15:13:05
End at: 2018-05-25 15:13:35
Local clock offset: -3.105 ms
Remote clock offset: 4.414 ms

# Below is generated by plot.py at 2018-05-25 15:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.44 Mbit/s
95th percentile per-packet one-way delay: 118.632 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 46.33 Mbit/s
95th percentile per-packet one-way delay: 117.737 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 117.584 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 119.982 ms
Loss rate: 4.46%
```

Run 10: Report of TCP BBR — Data Link

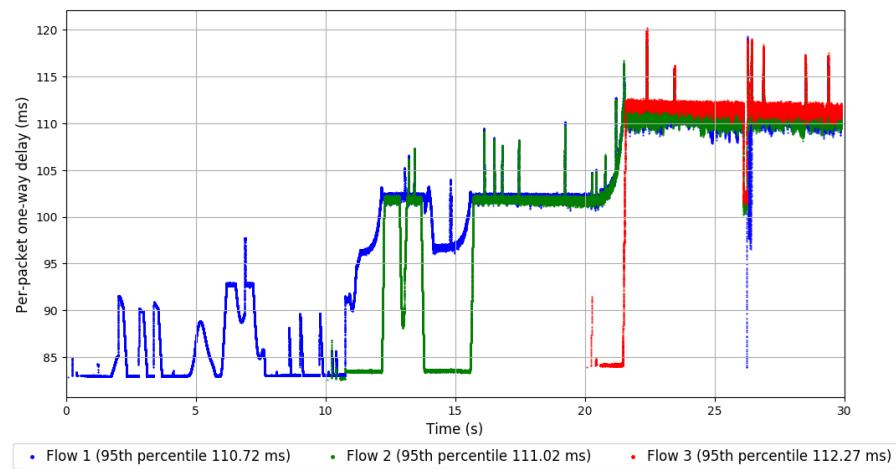
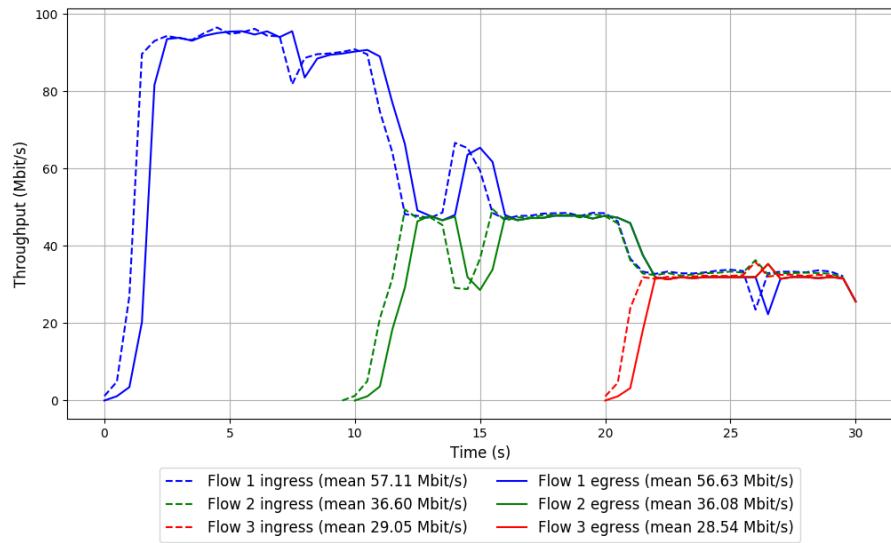


Run 1: Statistics of Copa

```
Start at: 2018-05-25 12:13:48
End at: 2018-05-25 12:14:18
Local clock offset: -6.889 ms
Remote clock offset: 9.044 ms

# Below is generated by plot.py at 2018-05-25 15:27:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 111.732 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 110.719 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 111.019 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 112.265 ms
Loss rate: 3.33%
```

Run 1: Report of Copa — Data Link

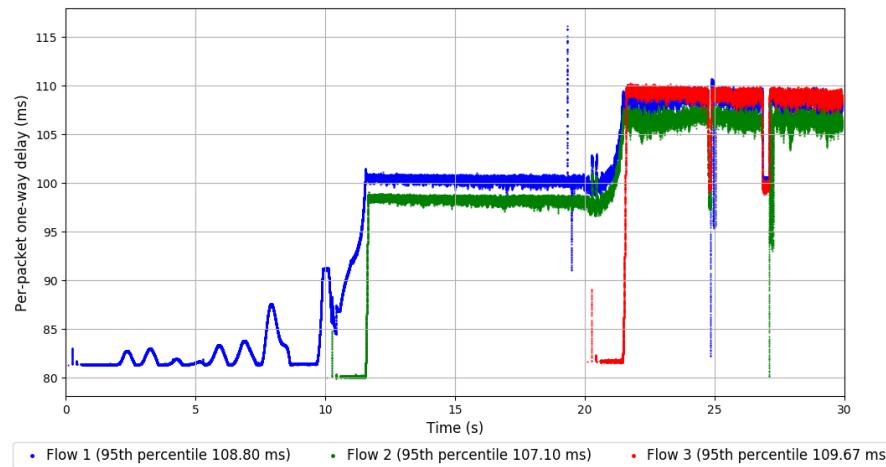
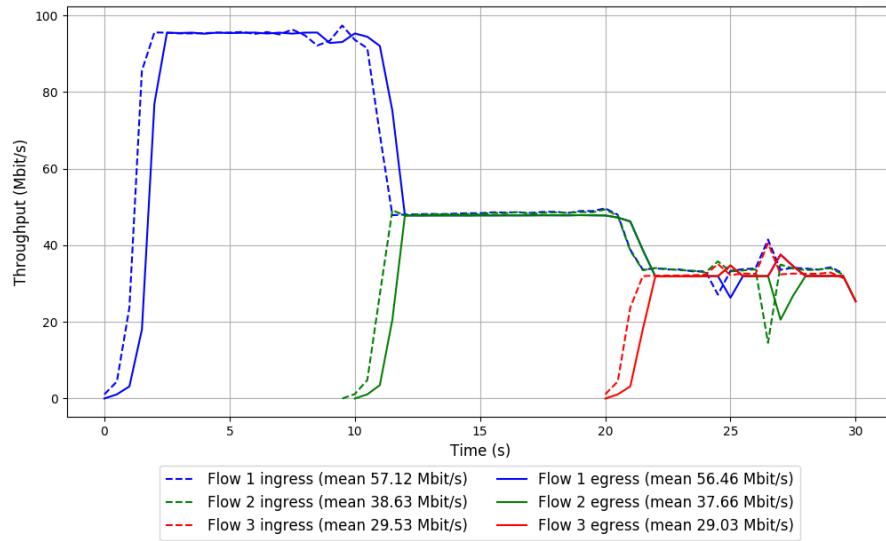


Run 2: Statistics of Copa

```
Start at: 2018-05-25 12:33:27
End at: 2018-05-25 12:33:57
Local clock offset: -8.091 ms
Remote clock offset: 15.519 ms

# Below is generated by plot.py at 2018-05-25 15:27:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 109.215 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 108.801 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 107.099 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 109.670 ms
Loss rate: 3.43%
```

Run 2: Report of Copa — Data Link

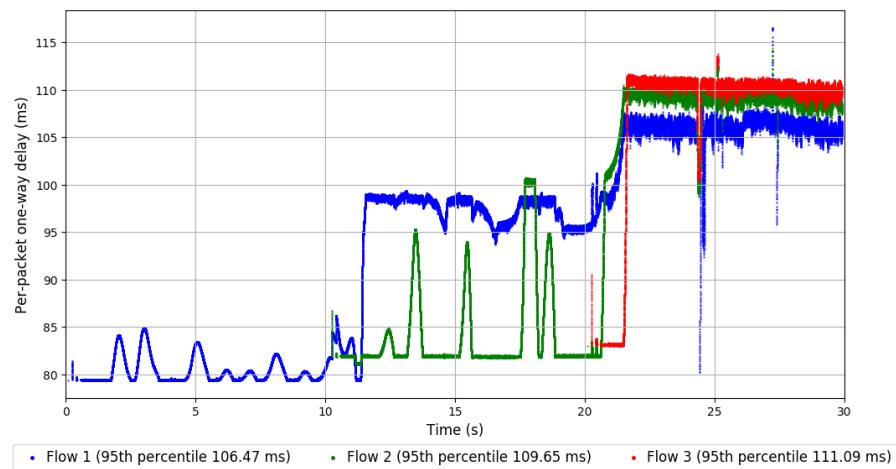
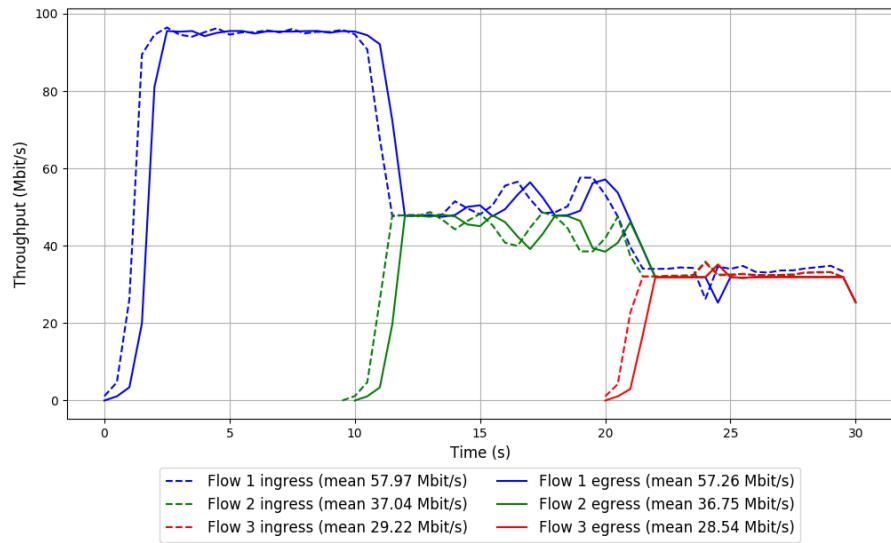


Run 3: Statistics of Copa

```
Start at: 2018-05-25 12:53:05
End at: 2018-05-25 12:53:35
Local clock offset: -7.501 ms
Remote clock offset: 8.032 ms

# Below is generated by plot.py at 2018-05-25 15:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 110.438 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 106.465 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 109.646 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 111.088 ms
Loss rate: 3.94%
```

Run 3: Report of Copa — Data Link

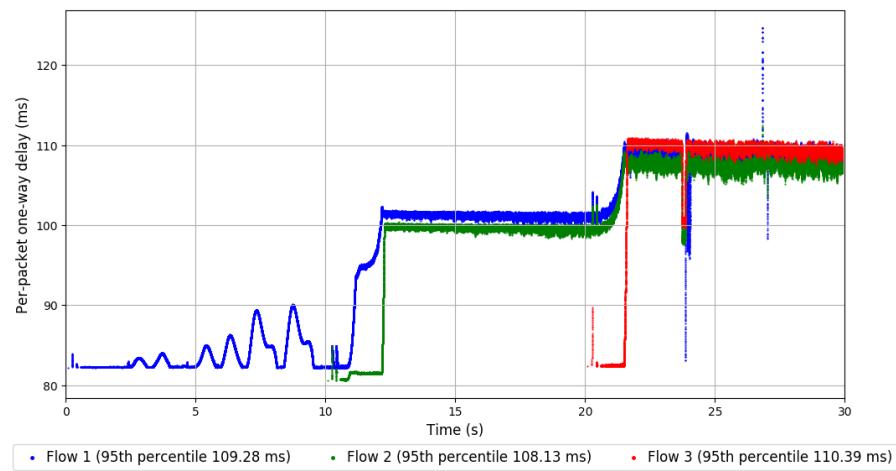
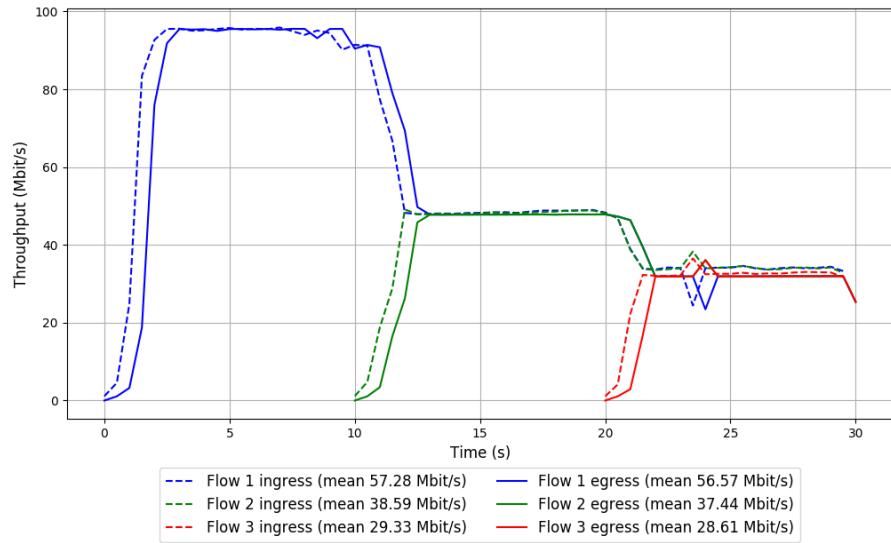


Run 4: Statistics of Copa

```
Start at: 2018-05-25 13:12:44
End at: 2018-05-25 13:13:14
Local clock offset: -1.989 ms
Remote clock offset: 6.654 ms

# Below is generated by plot.py at 2018-05-25 15:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 109.817 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 109.277 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 108.128 ms
Loss rate: 3.78%
-- Flow 3:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 110.395 ms
Loss rate: 4.04%
```

Run 4: Report of Copa — Data Link

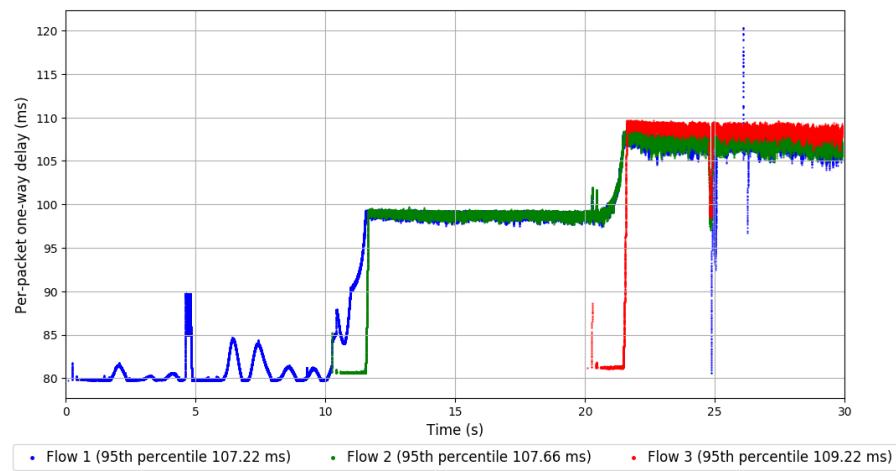
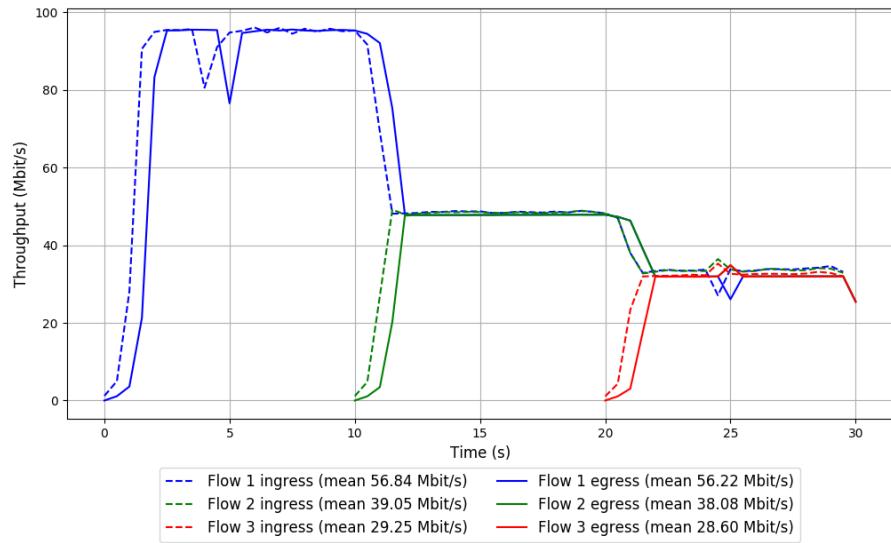


Run 5: Statistics of Copa

```
Start at: 2018-05-25 13:32:23
End at: 2018-05-25 13:32:53
Local clock offset: 0.387 ms
Remote clock offset: 7.521 ms

# Below is generated by plot.py at 2018-05-25 15:27:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 108.604 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 107.223 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 107.659 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 109.215 ms
Loss rate: 3.81%
```

Run 5: Report of Copa — Data Link

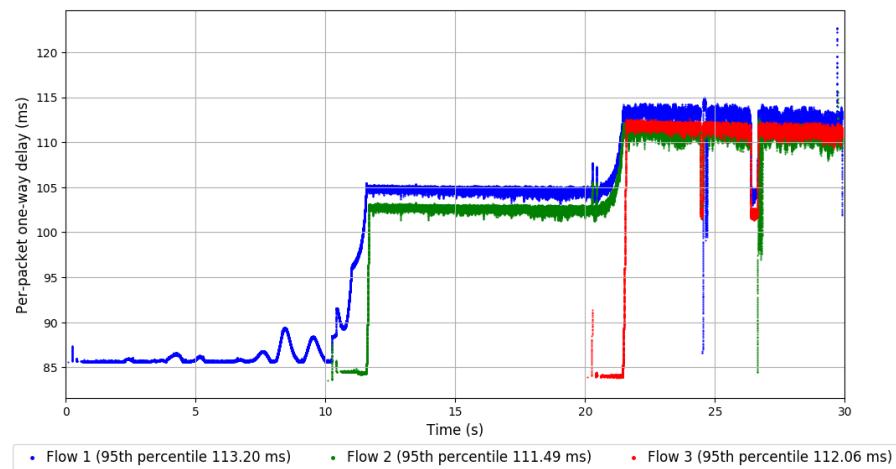
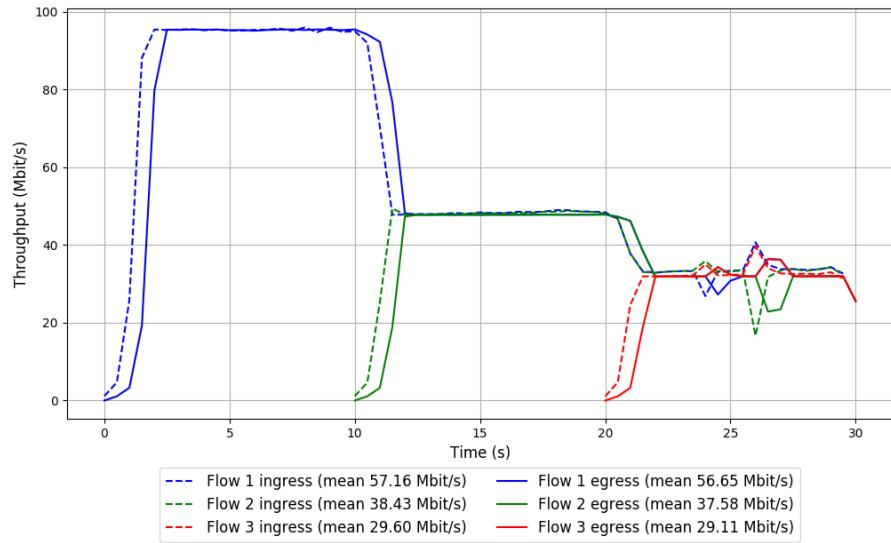


Run 6: Statistics of Copa

```
Start at: 2018-05-25 13:52:02
End at: 2018-05-25 13:52:32
Local clock offset: 0.598 ms
Remote clock offset: 3.398 ms

# Below is generated by plot.py at 2018-05-25 15:27:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 112.894 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 113.199 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 111.494 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 112.063 ms
Loss rate: 3.36%
```

Run 6: Report of Copa — Data Link

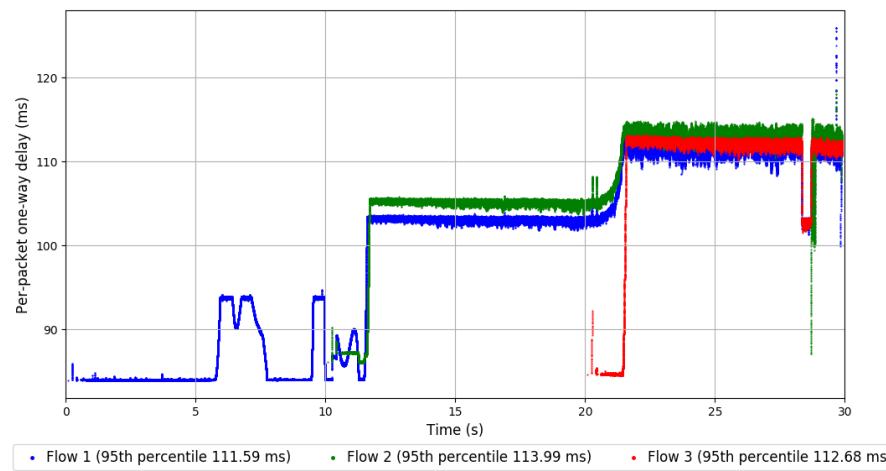
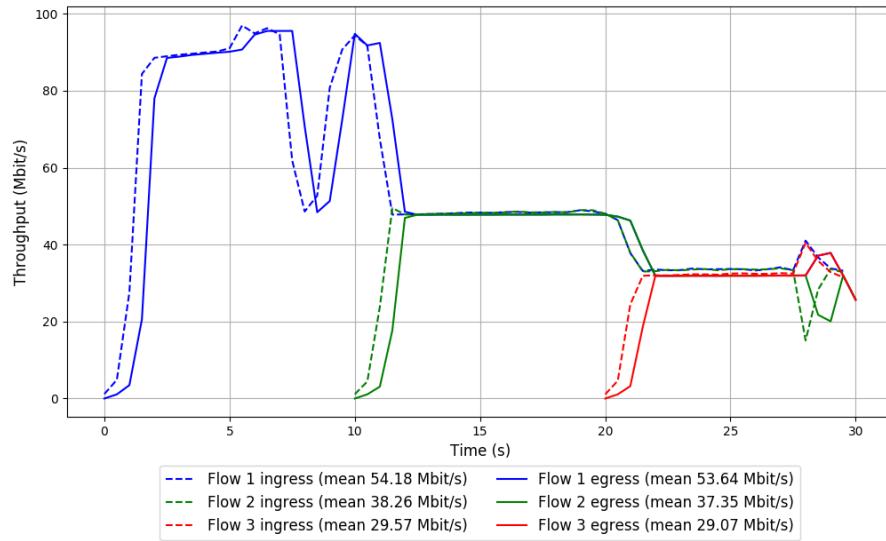


Run 7: Statistics of Copa

```
Start at: 2018-05-25 14:11:41
End at: 2018-05-25 14:12:11
Local clock offset: -6.162 ms
Remote clock offset: 4.428 ms

# Below is generated by plot.py at 2018-05-25 15:28:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 113.394 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 111.590 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 113.986 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 112.678 ms
Loss rate: 3.42%
```

Run 7: Report of Copa — Data Link

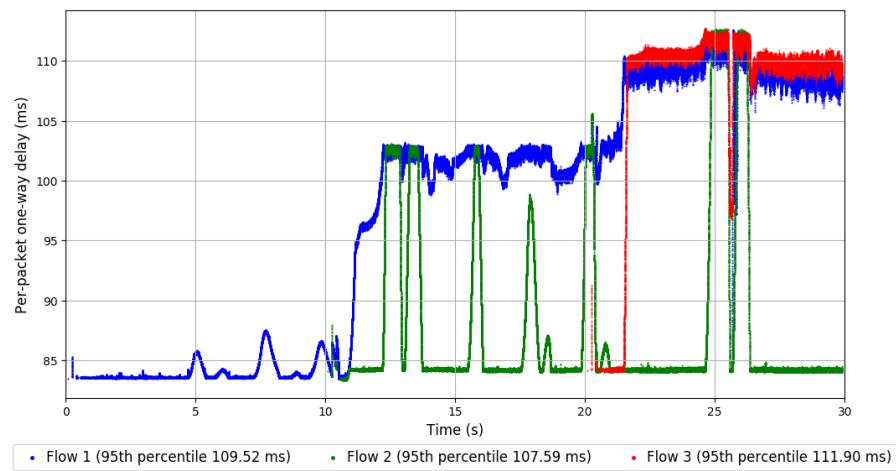
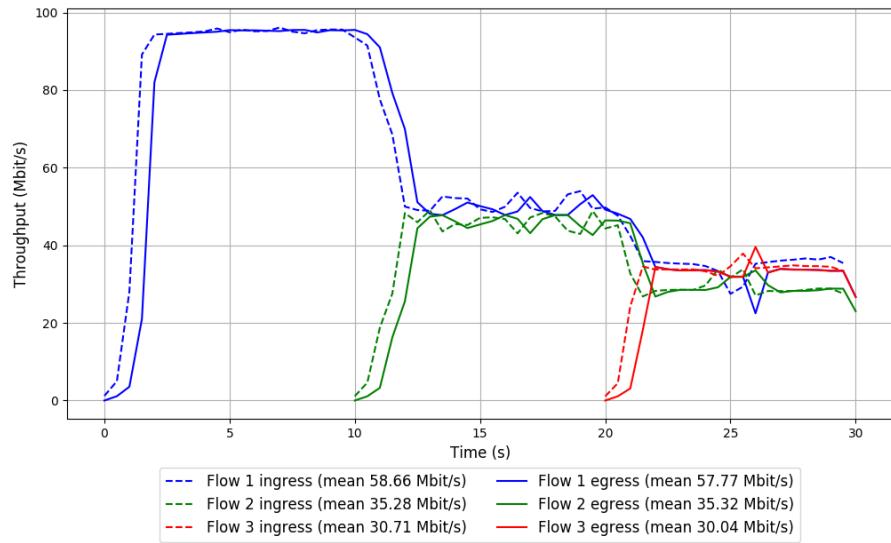


Run 8: Statistics of Copa

```
Start at: 2018-05-25 14:31:19
End at: 2018-05-25 14:31:49
Local clock offset: -6.15 ms
Remote clock offset: 10.224 ms

# Below is generated by plot.py at 2018-05-25 15:28:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 110.648 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 109.520 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 107.593 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 111.902 ms
Loss rate: 3.78%
```

Run 8: Report of Copa — Data Link

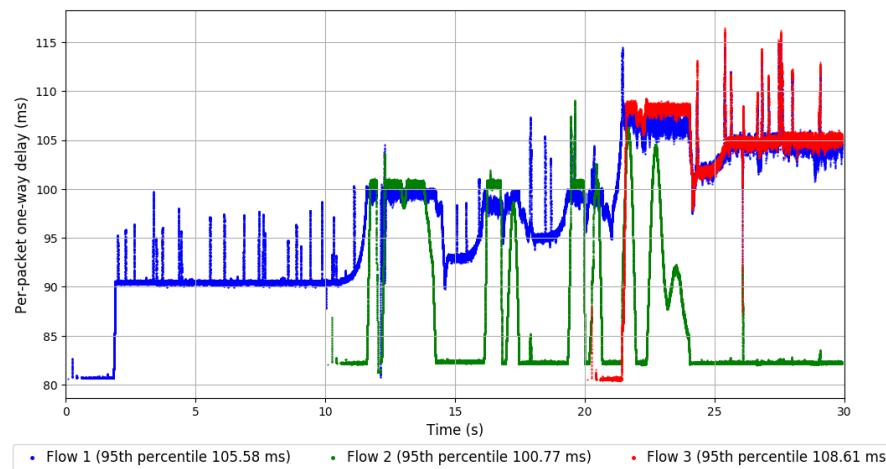
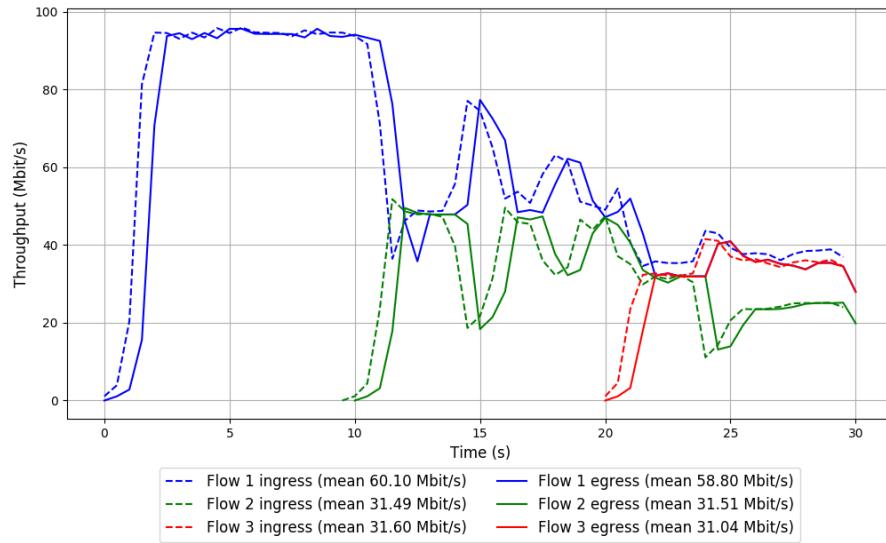


Run 9: Statistics of Copa

```
Start at: 2018-05-25 14:50:58
End at: 2018-05-25 14:51:28
Local clock offset: -3.523 ms
Remote clock offset: 17.365 ms

# Below is generated by plot.py at 2018-05-25 15:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 106.898 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 105.584 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 100.774 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 108.615 ms
Loss rate: 3.37%
```

Run 9: Report of Copa — Data Link

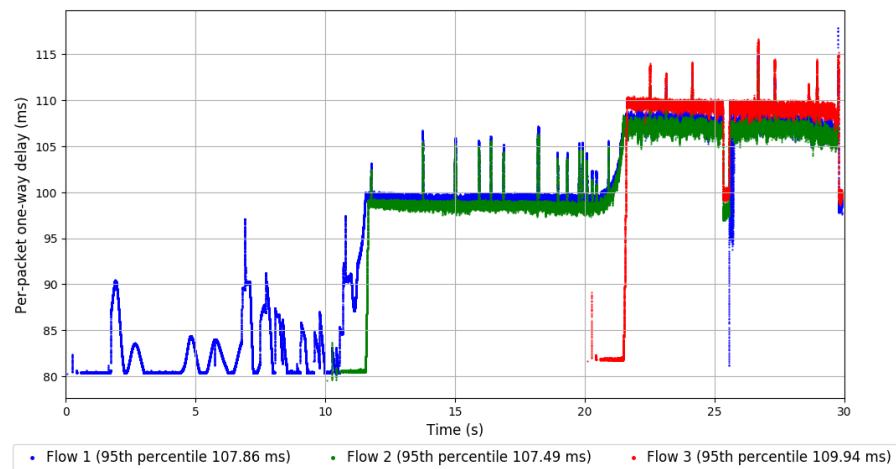
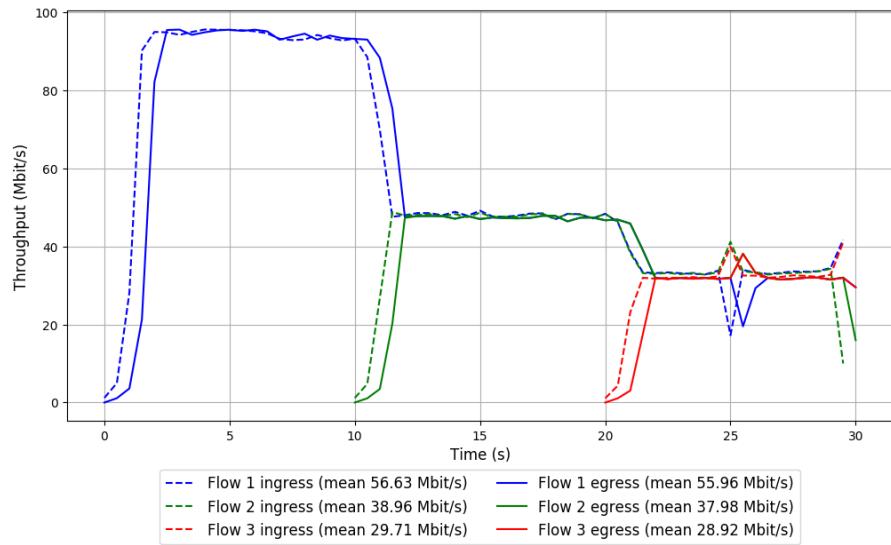


Run 10: Statistics of Copa

```
Start at: 2018-05-25 15:10:37
End at: 2018-05-25 15:11:07
Local clock offset: -2.357 ms
Remote clock offset: 8.512 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 109.354 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 107.860 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 107.490 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 109.937 ms
Loss rate: 4.25%
```

Run 10: Report of Copa — Data Link

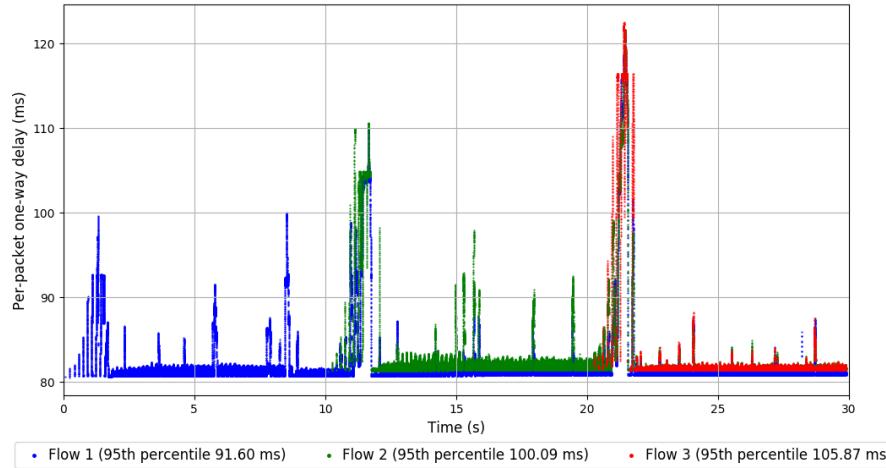
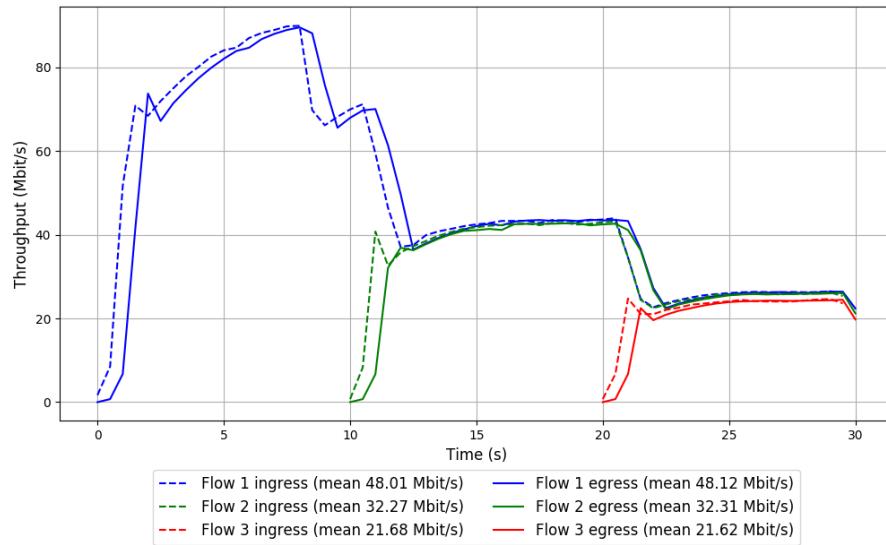


```
Run 1: Statistics of TCP Cubic

Start at: 2018-05-25 12:12:33
End at: 2018-05-25 12:13:03
Local clock offset: -6.012 ms
Remote clock offset: 13.426 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.68 Mbit/s
95th percentile per-packet one-way delay: 92.512 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 91.596 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 100.092 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 21.62 Mbit/s
95th percentile per-packet one-way delay: 105.871 ms
Loss rate: 1.92%
```

Run 1: Report of TCP Cubic — Data Link

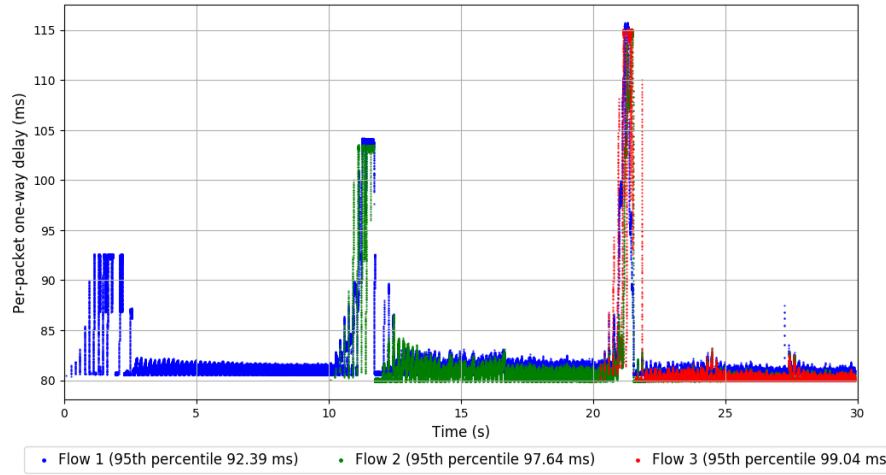
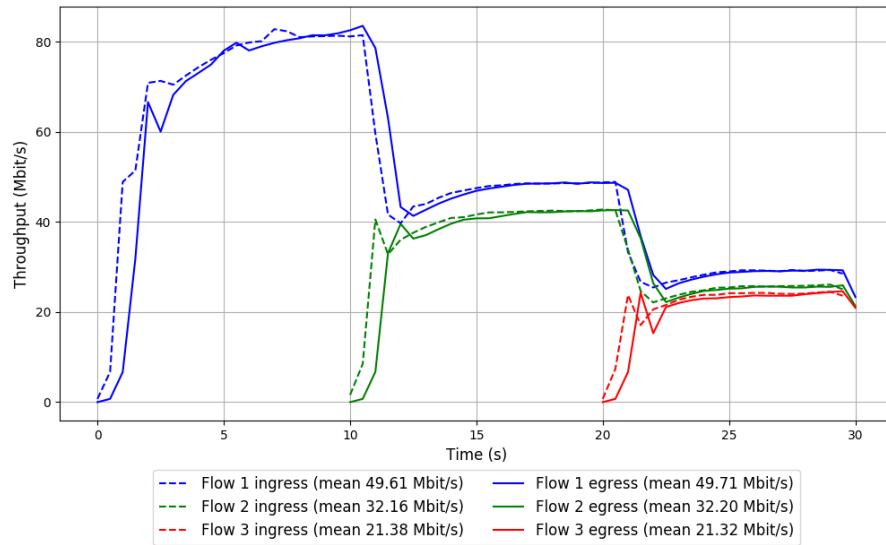


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-25 12:32:12
End at: 2018-05-25 12:32:42
Local clock offset: -7.356 ms
Remote clock offset: 16.981 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 92.433 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 92.386 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 97.637 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 99.044 ms
Loss rate: 1.91%
```

Run 2: Report of TCP Cubic — Data Link

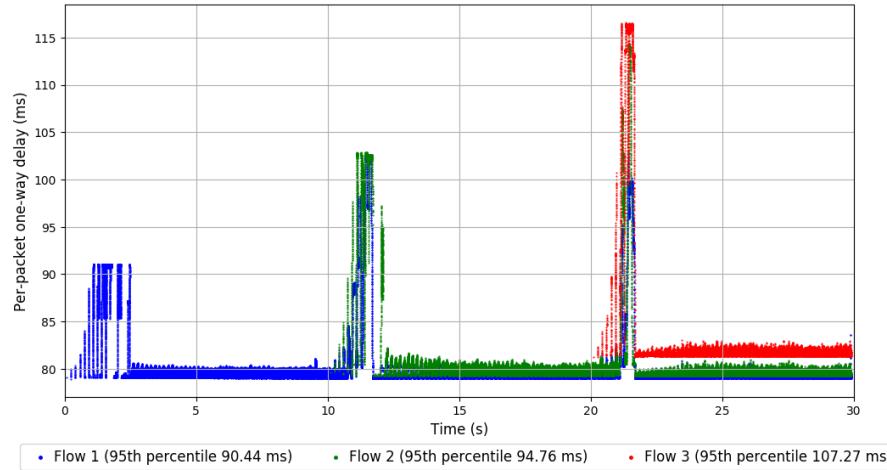
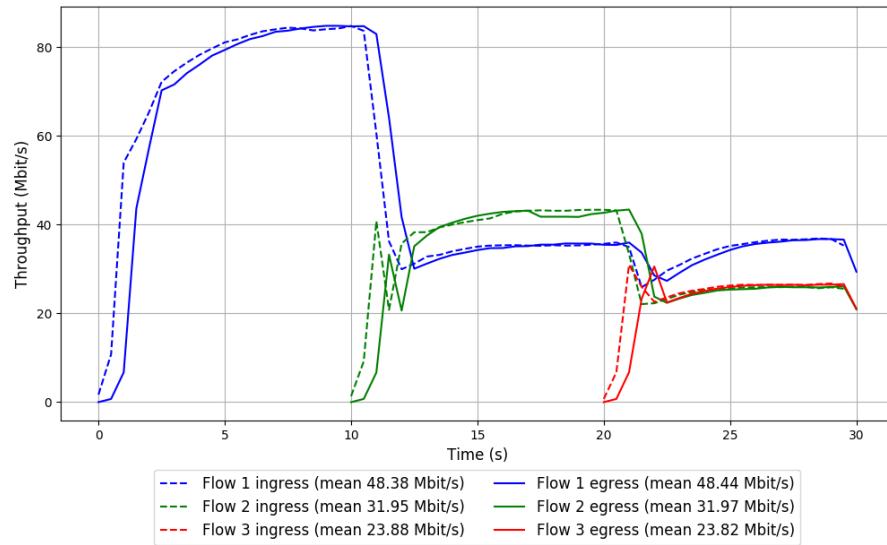


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-25 12:51:51
End at: 2018-05-25 12:52:21
Local clock offset: -7.457 ms
Remote clock offset: 8.988 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 90.874 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 90.439 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 94.764 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 107.269 ms
Loss rate: 1.89%
```

Run 3: Report of TCP Cubic — Data Link

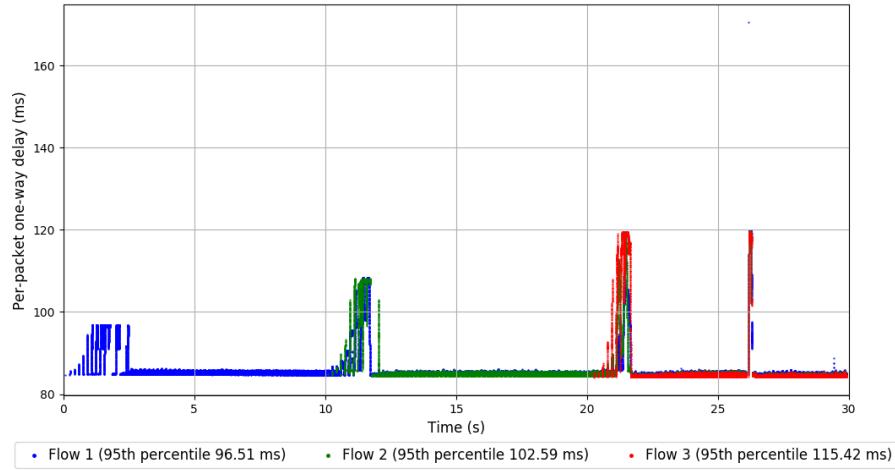
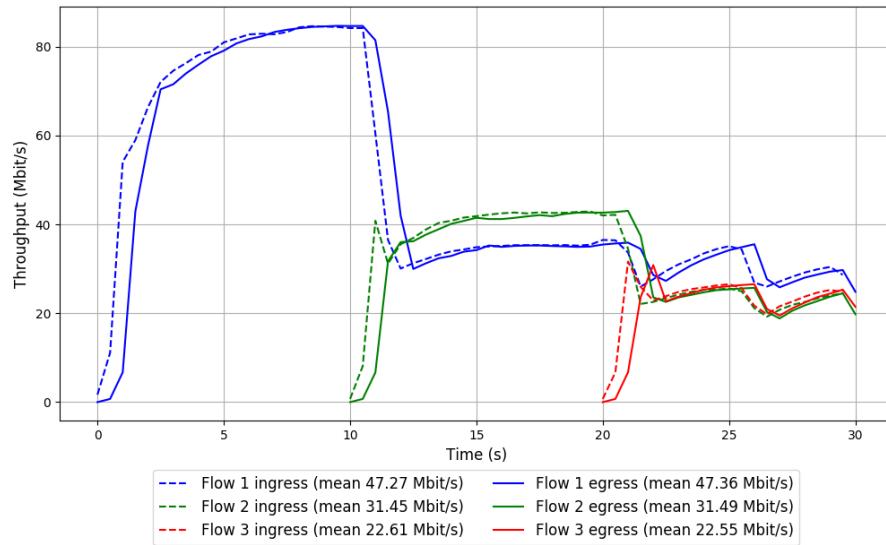


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-25 13:11:30
End at: 2018-05-25 13:12:00
Local clock offset: -2.184 ms
Remote clock offset: 3.714 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.66 Mbit/s
95th percentile per-packet one-way delay: 96.658 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 96.511 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 102.594 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 115.417 ms
Loss rate: 1.91%
```

Run 4: Report of TCP Cubic — Data Link

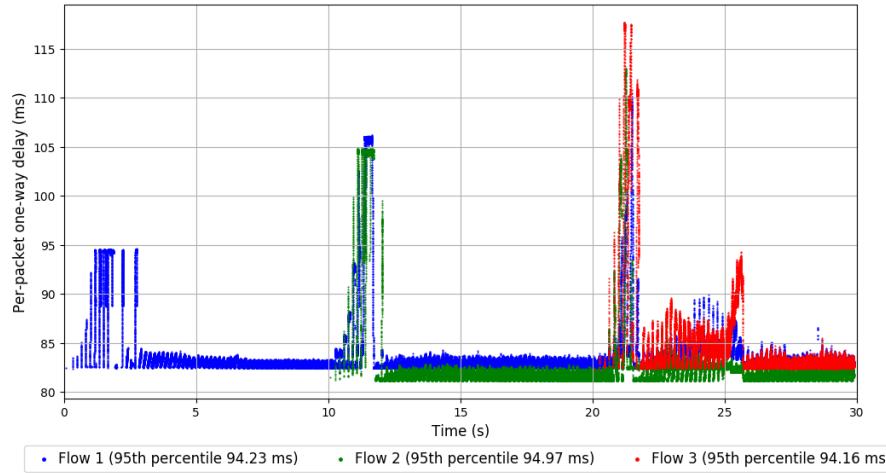
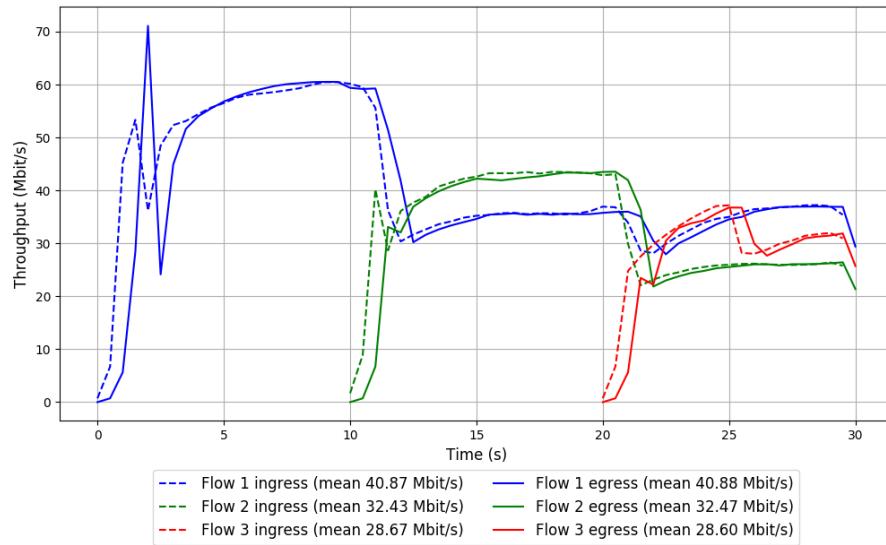


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-25 13:31:09
End at: 2018-05-25 13:31:39
Local clock offset: 0.322 ms
Remote clock offset: 6.713 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 94.265 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 94.231 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 94.973 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 94.155 ms
Loss rate: 1.87%
```

Run 5: Report of TCP Cubic — Data Link

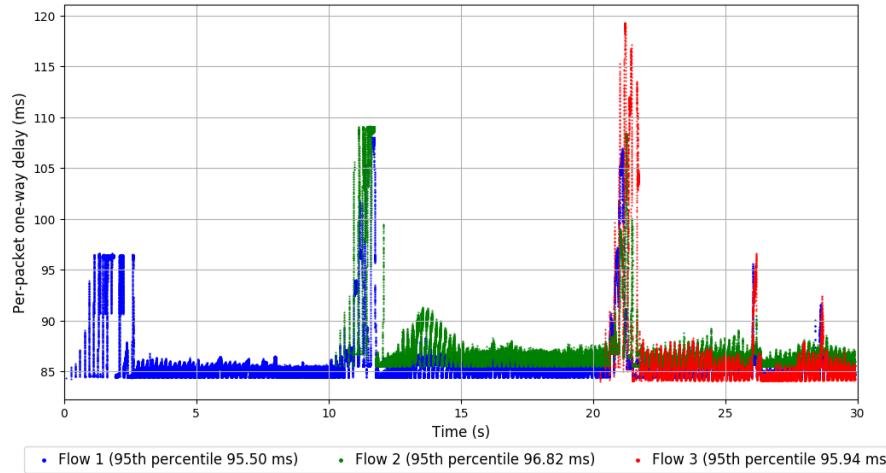
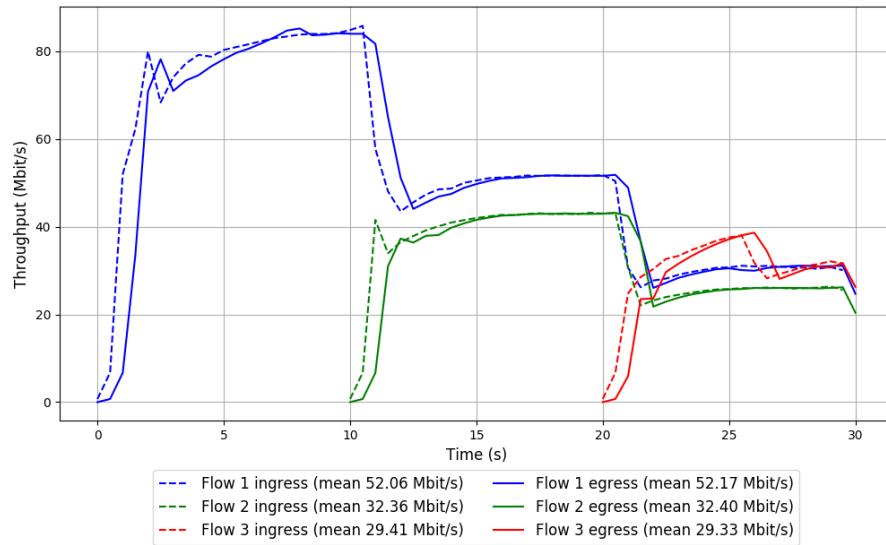


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-25 13:50:48
End at: 2018-05-25 13:51:18
Local clock offset: 1.356 ms
Remote clock offset: 4.082 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 95.755 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 52.17 Mbit/s
95th percentile per-packet one-way delay: 95.501 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 96.817 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 95.945 ms
Loss rate: 1.86%
```

Run 6: Report of TCP Cubic — Data Link

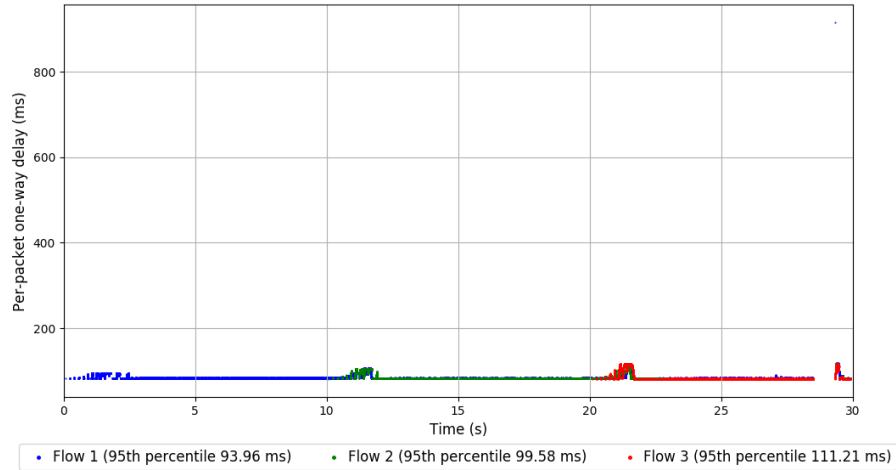
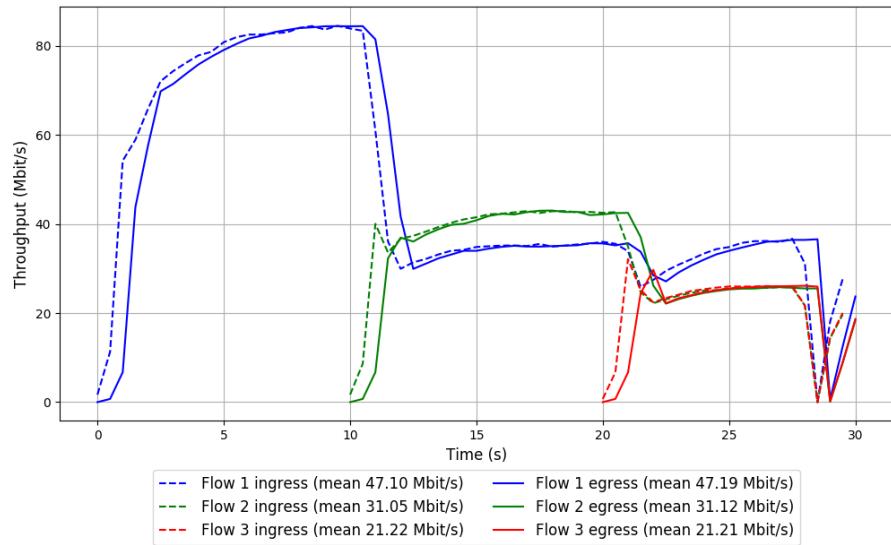


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-25 14:10:27
End at: 2018-05-25 14:10:57
Local clock offset: -5.864 ms
Remote clock offset: 7.581 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 94.168 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 93.960 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 99.577 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 111.207 ms
Loss rate: 1.65%
```

Run 7: Report of TCP Cubic — Data Link

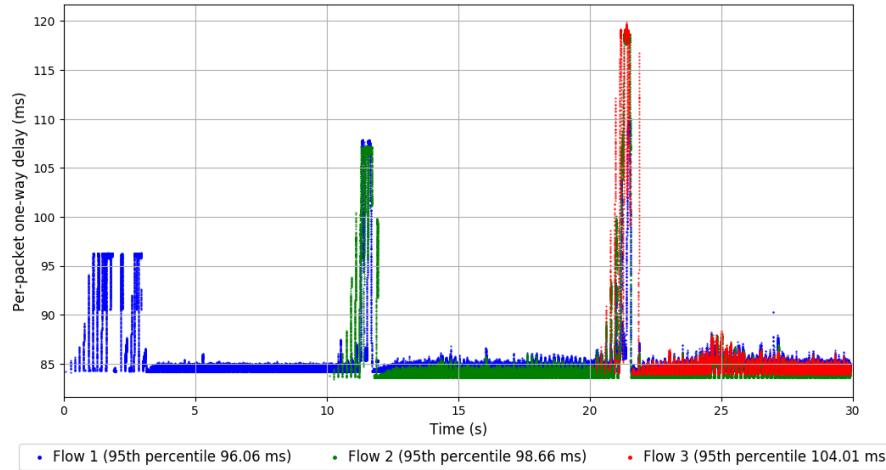
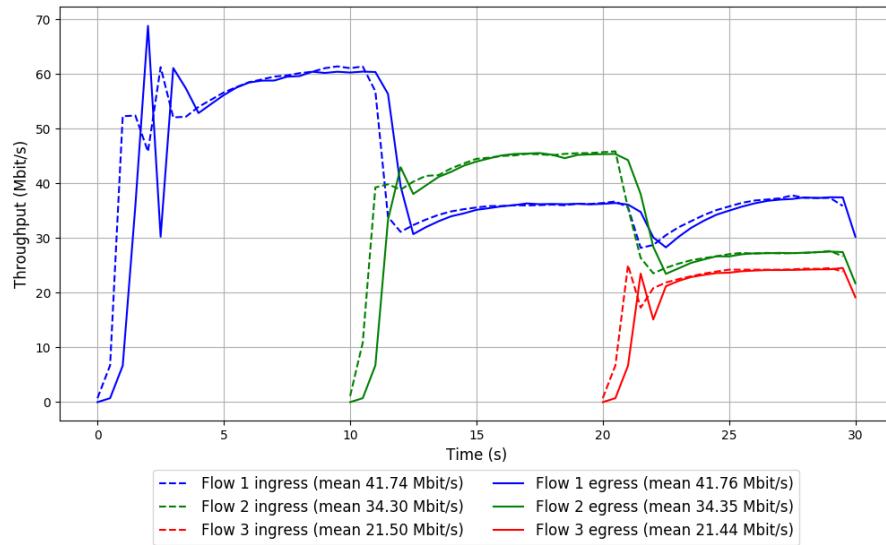


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-25 14:30:05
End at: 2018-05-25 14:30:35
Local clock offset: -6.591 ms
Remote clock offset: 9.035 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 96.100 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 96.058 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 98.660 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 104.013 ms
Loss rate: 1.92%
```

Run 8: Report of TCP Cubic — Data Link

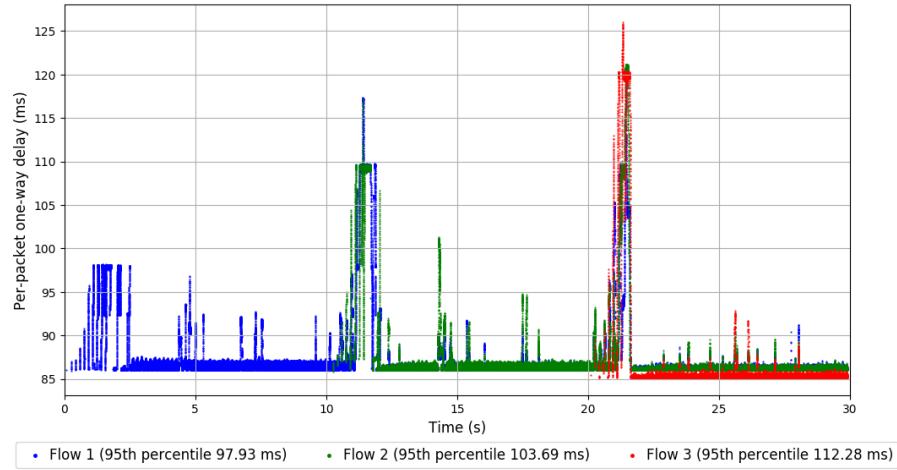
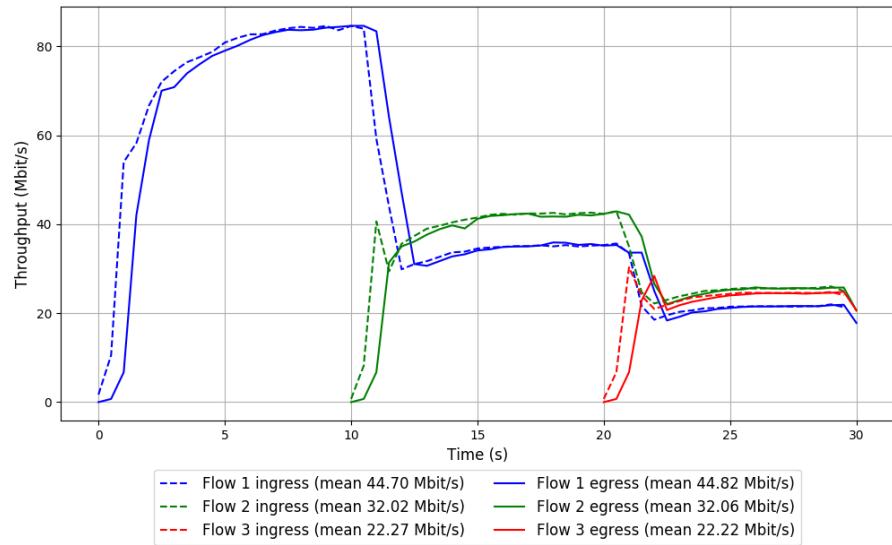


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-25 14:49:43
End at: 2018-05-25 14:50:13
Local clock offset: -3.565 ms
Remote clock offset: 12.529 ms

# Below is generated by plot.py at 2018-05-25 15:29:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 97.989 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 97.930 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 103.694 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 112.284 ms
Loss rate: 1.88%
```

Run 9: Report of TCP Cubic — Data Link

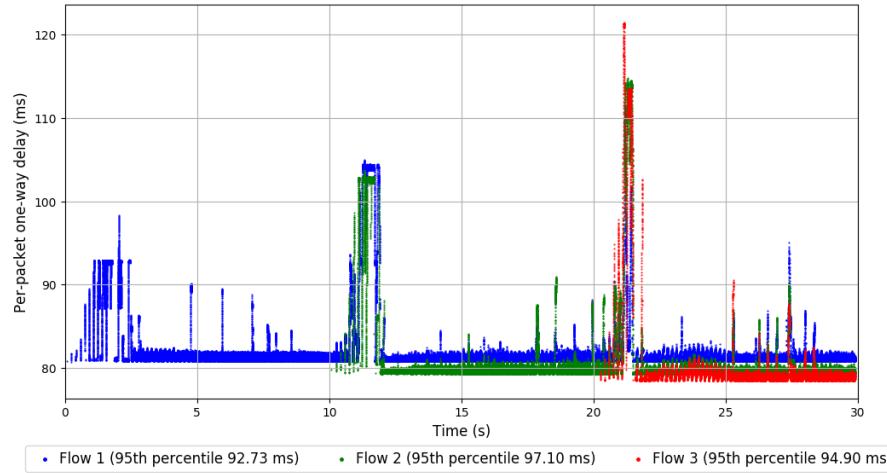
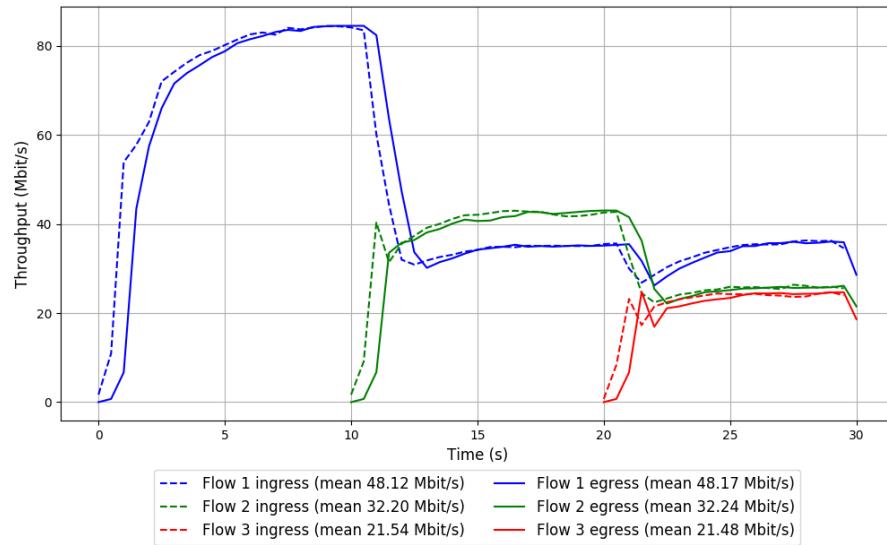


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-25 15:09:22
End at: 2018-05-25 15:09:52
Local clock offset: -2.39 ms
Remote clock offset: 9.494 ms

# Below is generated by plot.py at 2018-05-25 15:29:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 92.751 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 48.17 Mbit/s
95th percentile per-packet one-way delay: 92.727 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 97.100 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 94.898 ms
Loss rate: 1.90%
```

Run 10: Report of TCP Cubic — Data Link

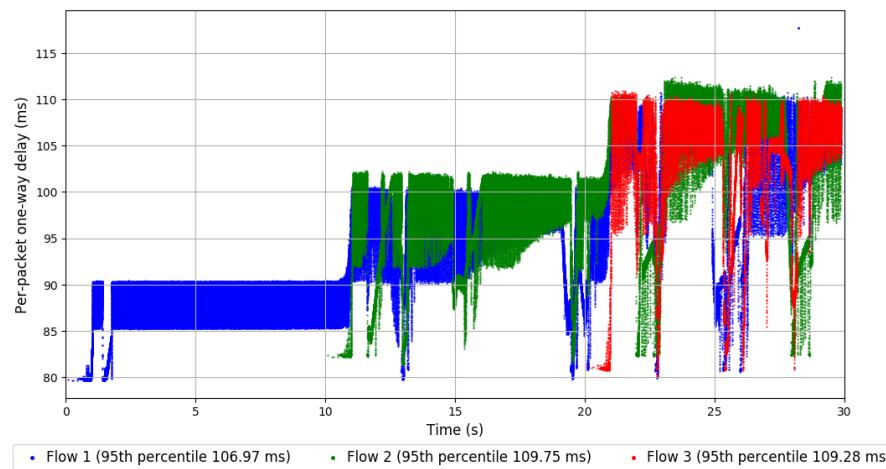
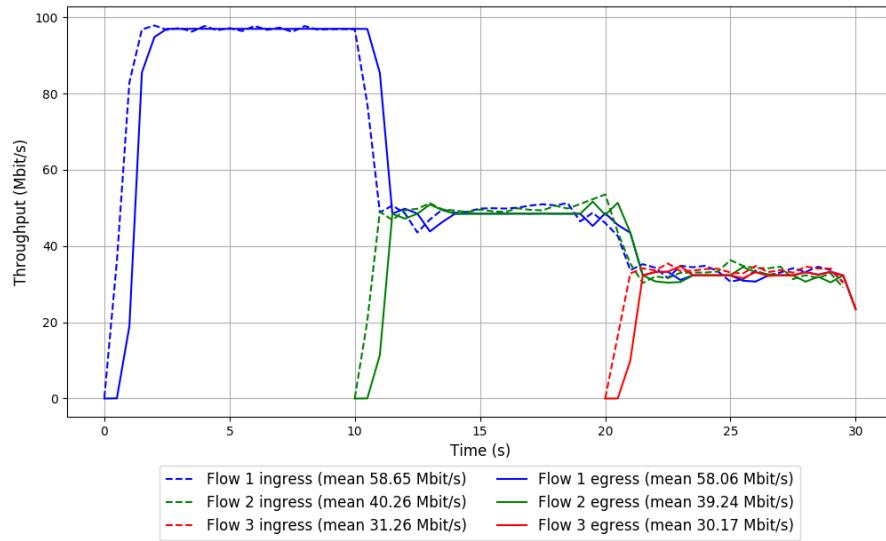


```
Run 1: Statistics of FillP

Start at: 2018-05-25 12:18:42
End at: 2018-05-25 12:19:12
Local clock offset: -7.427 ms
Remote clock offset: 13.267 ms

# Below is generated by plot.py at 2018-05-25 15:30:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 108.669 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 106.969 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 109.753 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 109.285 ms
Loss rate: 5.20%
```

Run 1: Report of FillP — Data Link

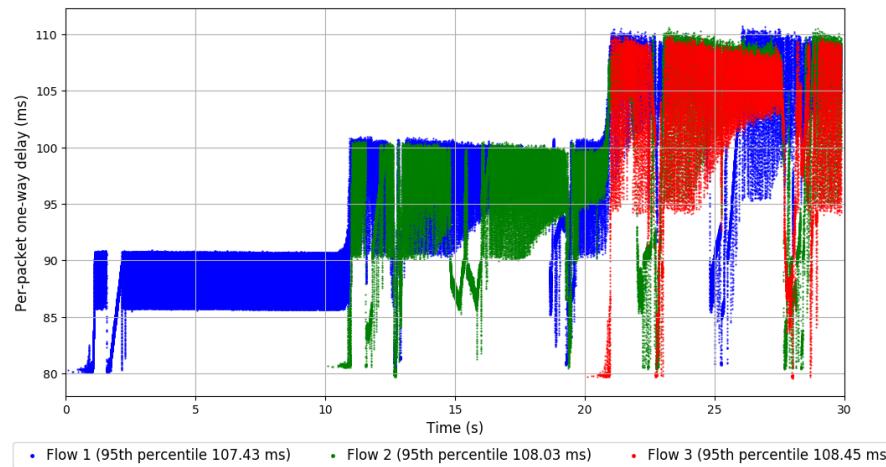
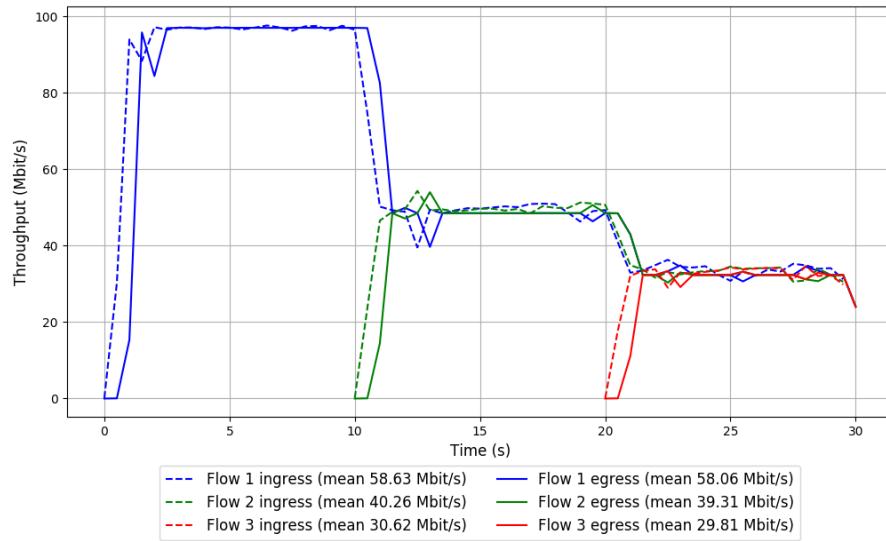


Run 2: Statistics of FillP

```
Start at: 2018-05-25 12:38:21
End at: 2018-05-25 12:38:51
Local clock offset: -6.49 ms
Remote clock offset: 14.066 ms

# Below is generated by plot.py at 2018-05-25 15:30:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 107.898 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 107.429 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 108.027 ms
Loss rate: 3.23%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 108.454 ms
Loss rate: 4.22%
```

Run 2: Report of FillP — Data Link

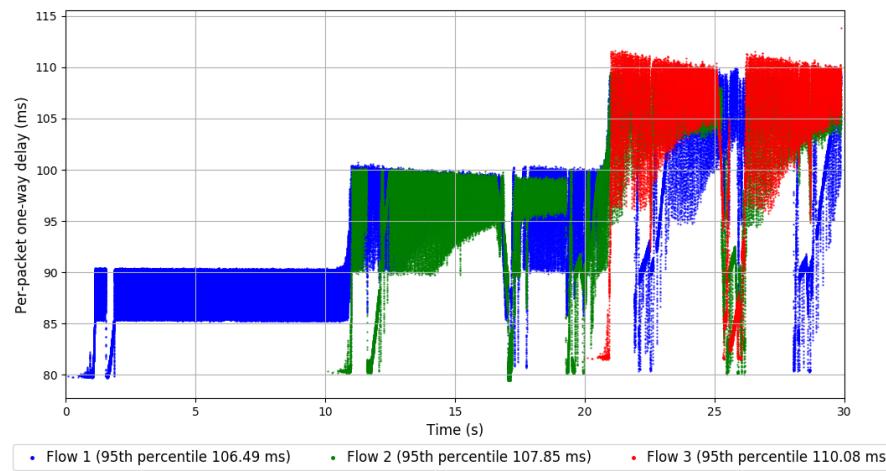
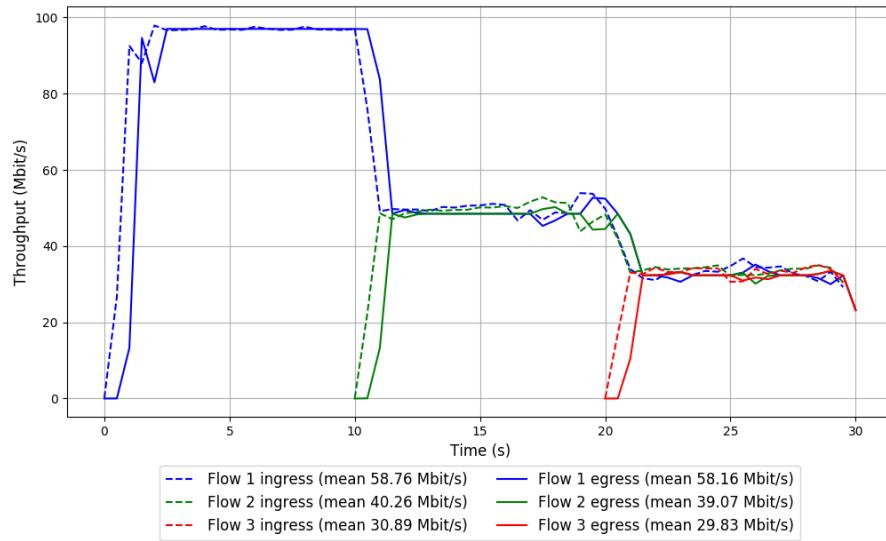


Run 3: Statistics of FillP

```
Start at: 2018-05-25 12:58:00
End at: 2018-05-25 12:58:30
Local clock offset: -5.347 ms
Remote clock offset: 8.193 ms

# Below is generated by plot.py at 2018-05-25 15:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 108.170 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 106.487 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 107.854 ms
Loss rate: 3.80%
-- Flow 3:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 110.076 ms
Loss rate: 5.13%
```

Run 3: Report of FillP — Data Link

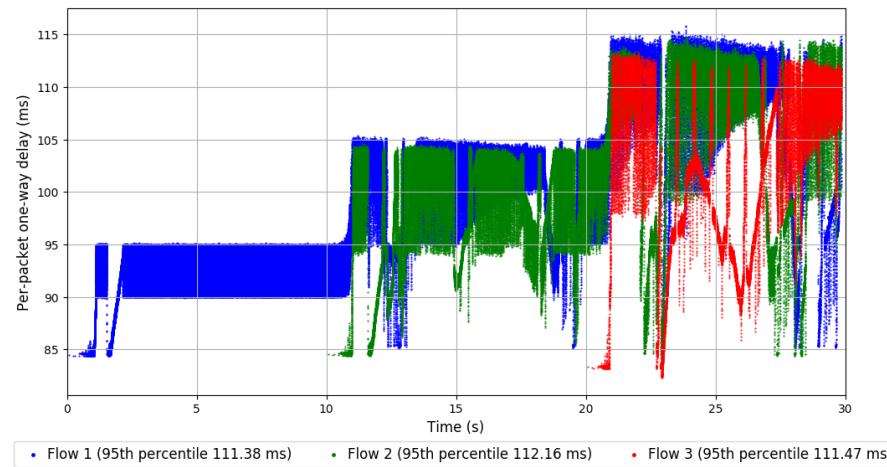
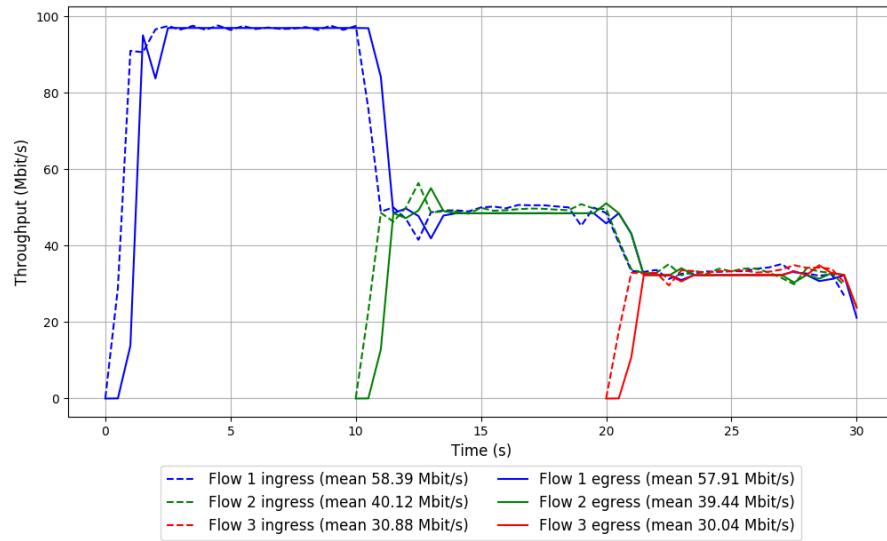


Run 4: Statistics of FillP

```
Start at: 2018-05-25 13:17:39
End at: 2018-05-25 13:18:09
Local clock offset: -2.259 ms
Remote clock offset: 3.723 ms

# Below is generated by plot.py at 2018-05-25 15:30:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 111.705 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 111.382 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 112.161 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 111.466 ms
Loss rate: 4.42%
```

Run 4: Report of FillP — Data Link

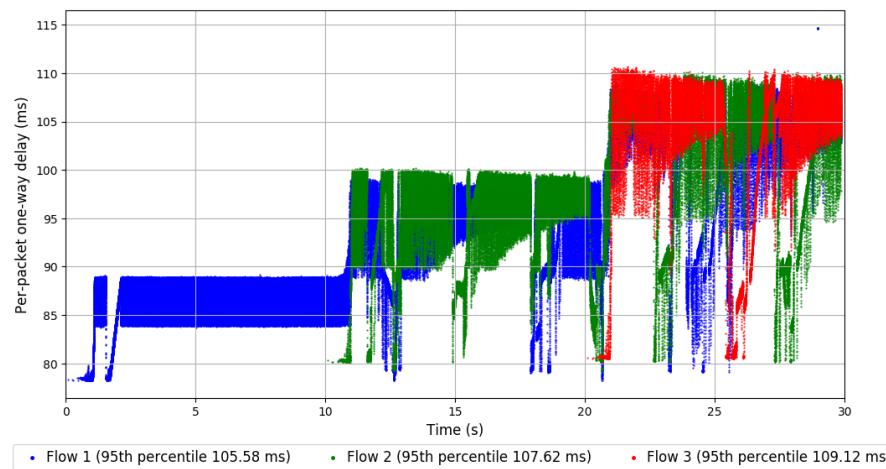
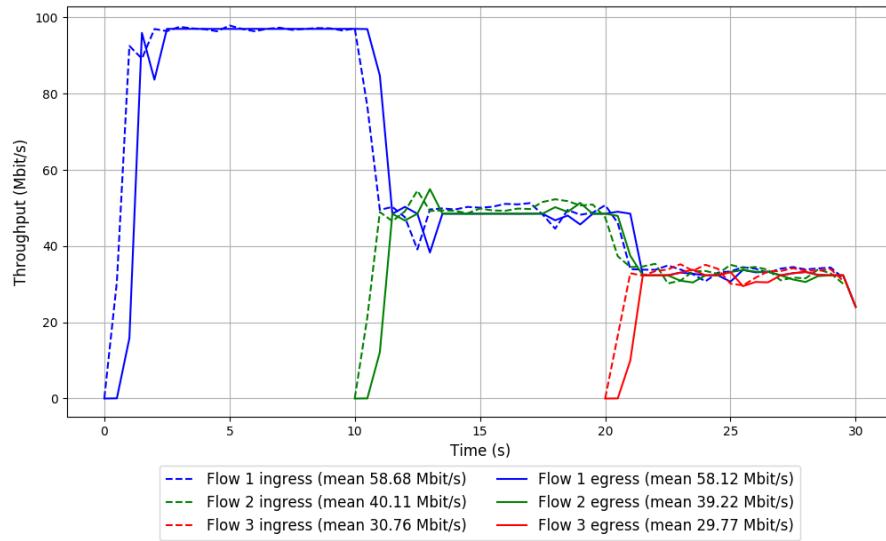


Run 5: Statistics of FillP

```
Start at: 2018-05-25 13:37:17
End at: 2018-05-25 13:37:47
Local clock offset: -0.101 ms
Remote clock offset: 8.277 ms

# Below is generated by plot.py at 2018-05-25 15:30:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 107.435 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 105.579 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 107.625 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 109.116 ms
Loss rate: 4.84%
```

Run 5: Report of FillP — Data Link

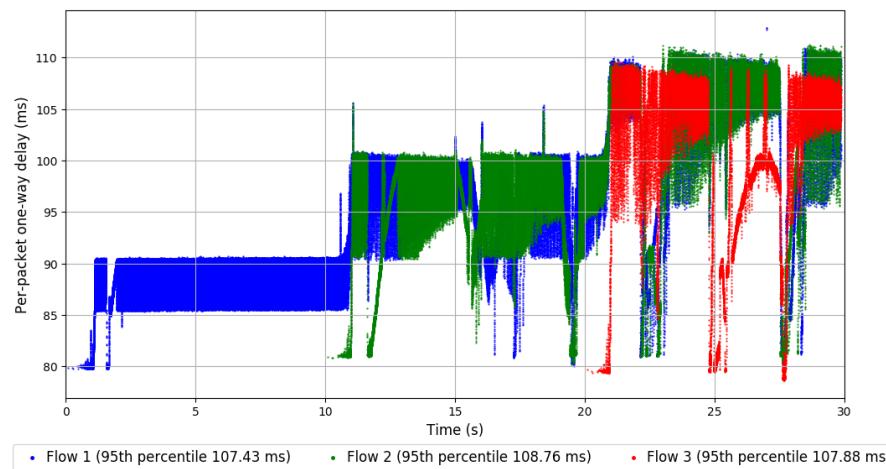
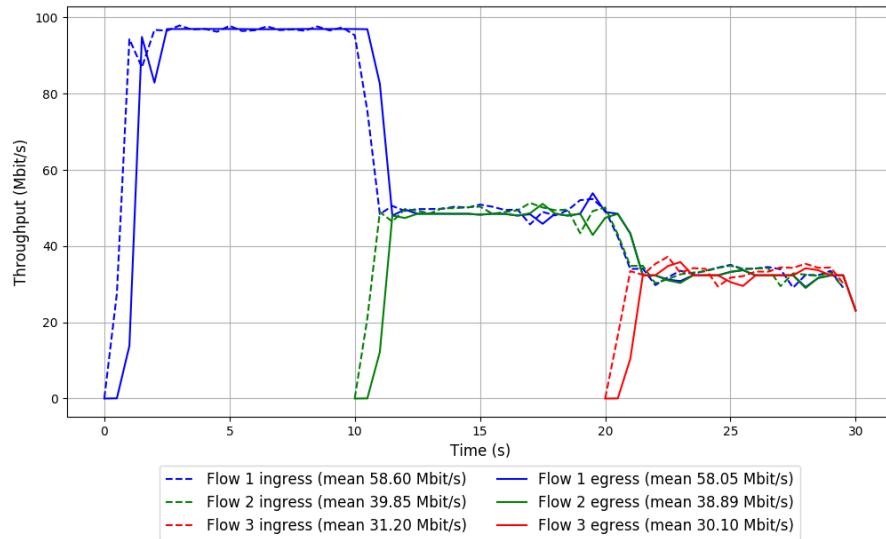


Run 6: Statistics of FillP

```
Start at: 2018-05-25 13:56:57
End at: 2018-05-25 13:57:27
Local clock offset: -1.292 ms
Remote clock offset: 9.034 ms

# Below is generated by plot.py at 2018-05-25 15:30:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 108.055 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 107.427 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 108.762 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 107.875 ms
Loss rate: 5.09%
```

Run 6: Report of FillP — Data Link

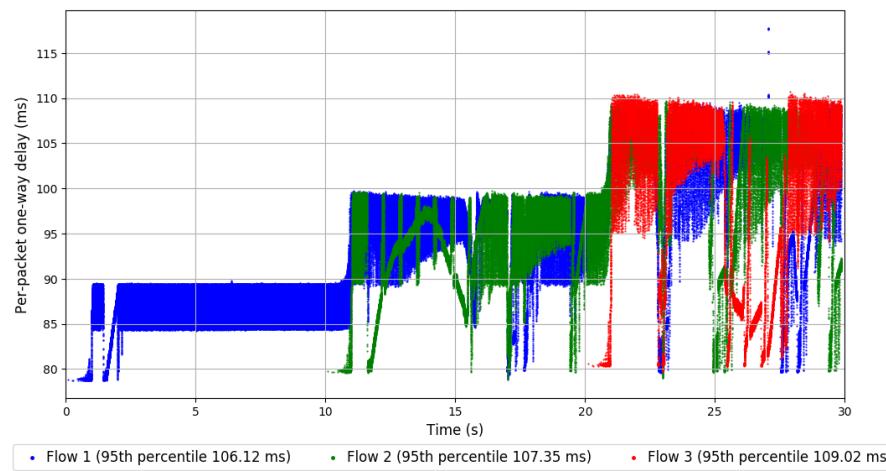
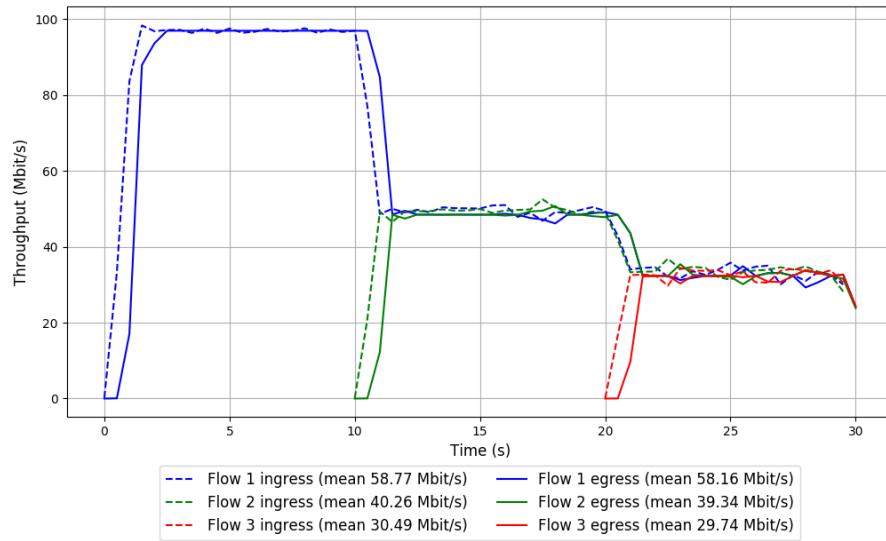


Run 7: Statistics of FillP

```
Start at: 2018-05-25 14:16:35
End at: 2018-05-25 14:17:05
Local clock offset: -8.662 ms
Remote clock offset: 9.107 ms

# Below is generated by plot.py at 2018-05-25 15:30:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 107.303 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 106.124 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 107.352 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 109.017 ms
Loss rate: 4.14%
```

Run 7: Report of FillP — Data Link

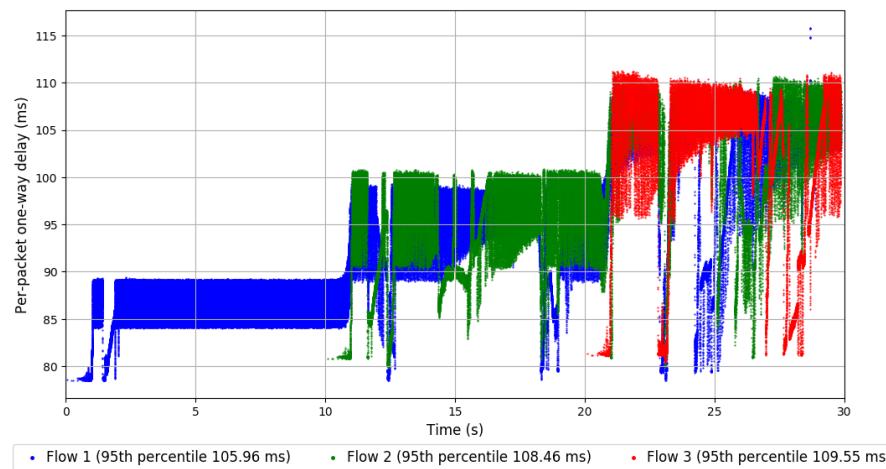
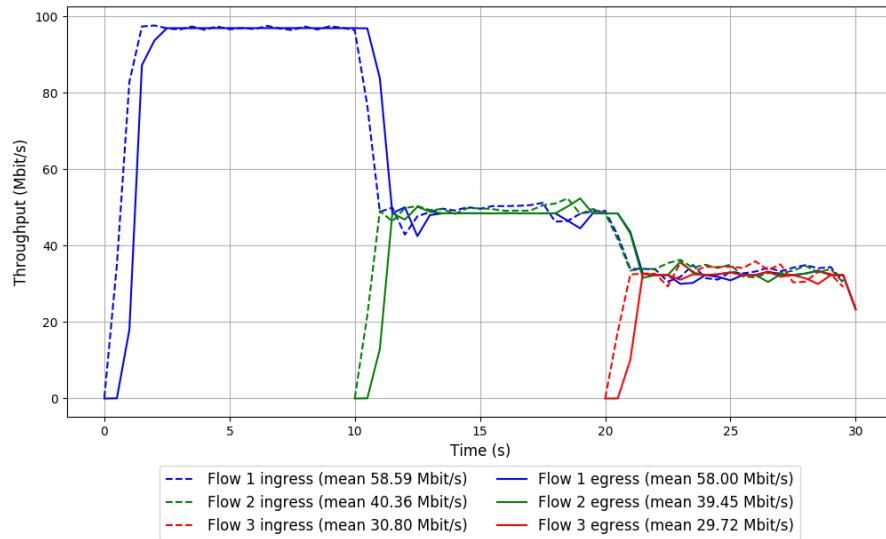


Run 8: Statistics of FillP

```
Start at: 2018-05-25 14:36:14
End at: 2018-05-25 14:36:44
Local clock offset: -4.869 ms
Remote clock offset: 15.922 ms

# Below is generated by plot.py at 2018-05-25 15:31:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 107.820 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 105.963 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 108.464 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 109.549 ms
Loss rate: 5.16%
```

Run 8: Report of FillP — Data Link

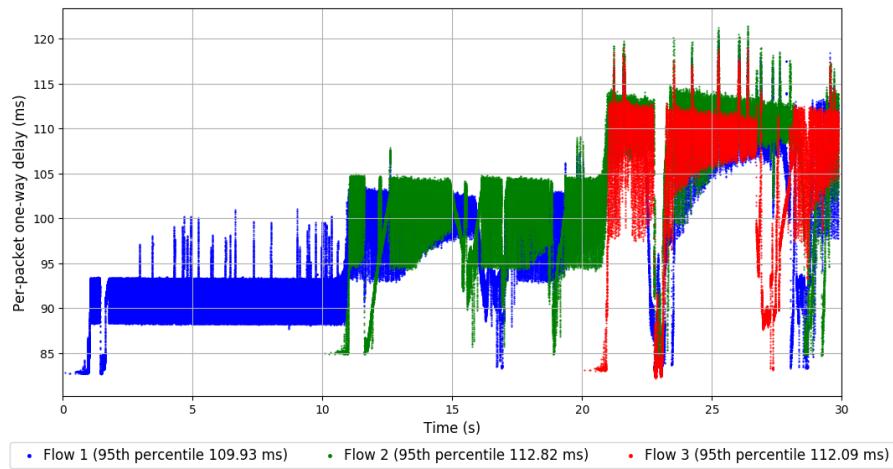
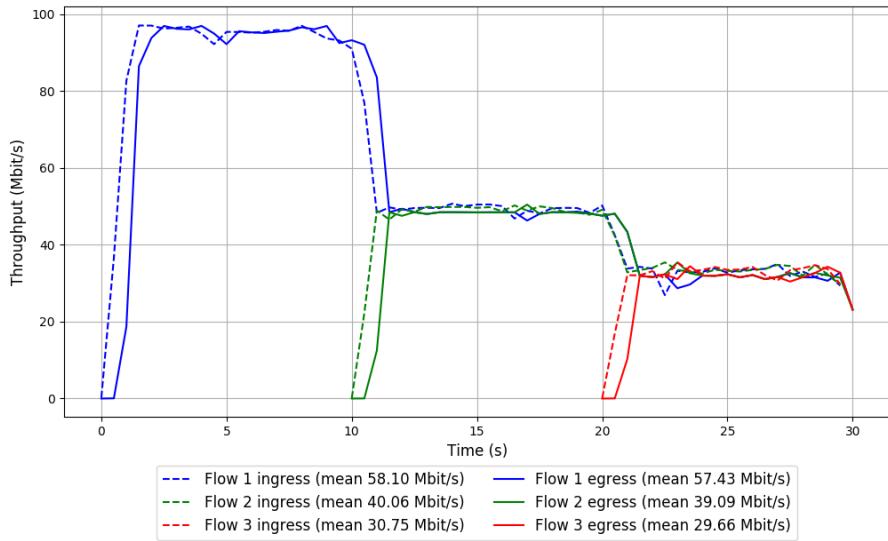


Run 9: Statistics of FillP

```
Start at: 2018-05-25 14:55:52
End at: 2018-05-25 14:56:22
Local clock offset: -4.158 ms
Remote clock offset: 9.366 ms

# Below is generated by plot.py at 2018-05-25 15:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 111.567 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 109.926 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 112.816 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 112.092 ms
Loss rate: 5.27%
```

Run 9: Report of FillP — Data Link

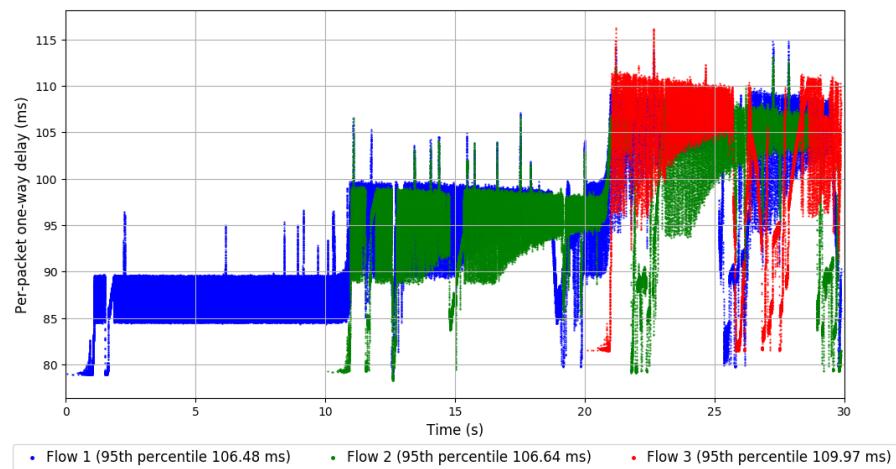
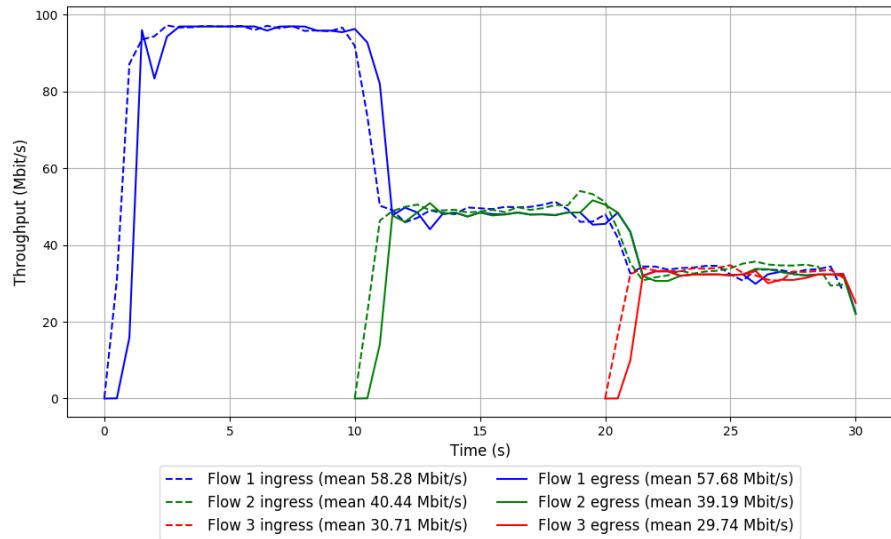


Run 10: Statistics of FillP

```
Start at: 2018-05-25 15:15:31
End at: 2018-05-25 15:16:01
Local clock offset: -2.329 ms
Remote clock offset: 8.8 ms

# Below is generated by plot.py at 2018-05-25 15:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 107.547 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 106.482 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 106.637 ms
Loss rate: 3.90%
-- Flow 3:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 109.968 ms
Loss rate: 4.87%
```

Run 10: Report of FillP — Data Link

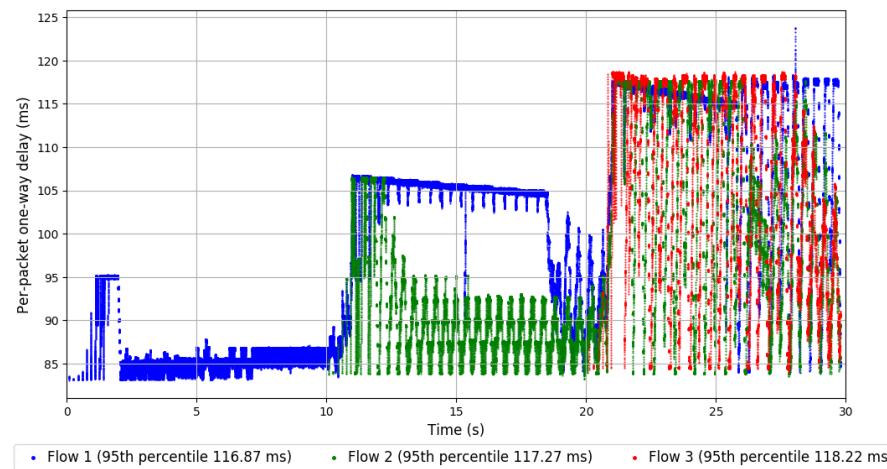
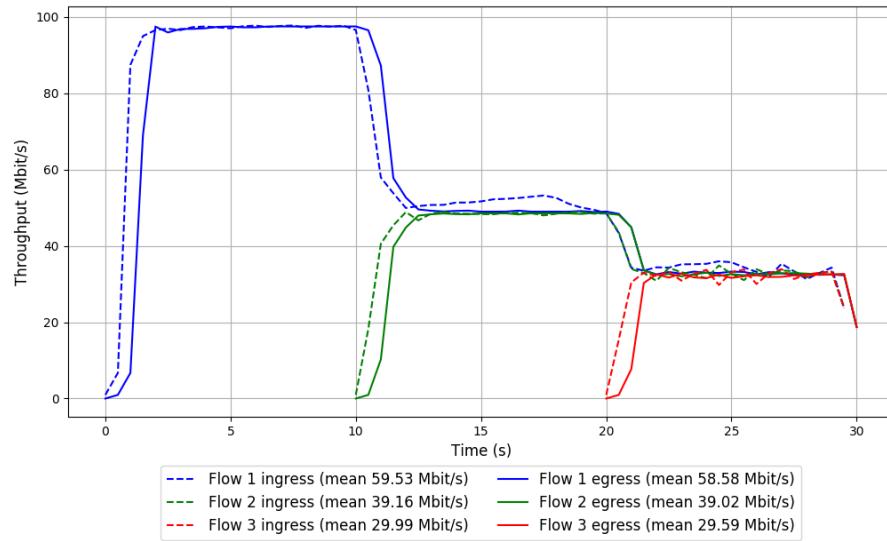


Run 1: Statistics of Indigo

```
Start at: 2018-05-25 12:24:56
End at: 2018-05-25 12:25:26
Local clock offset: -8.623 ms
Remote clock offset: 10.512 ms

# Below is generated by plot.py at 2018-05-25 15:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 117.363 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 116.868 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 117.269 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 118.225 ms
Loss rate: 2.97%
```

Run 1: Report of Indigo — Data Link

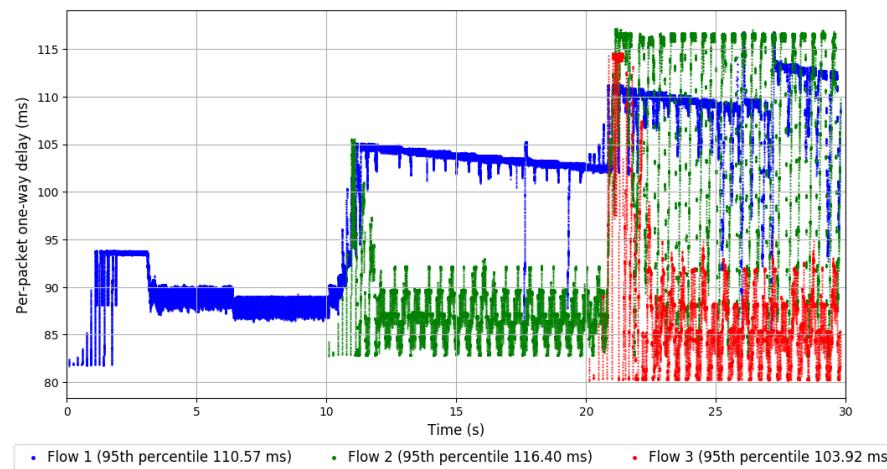
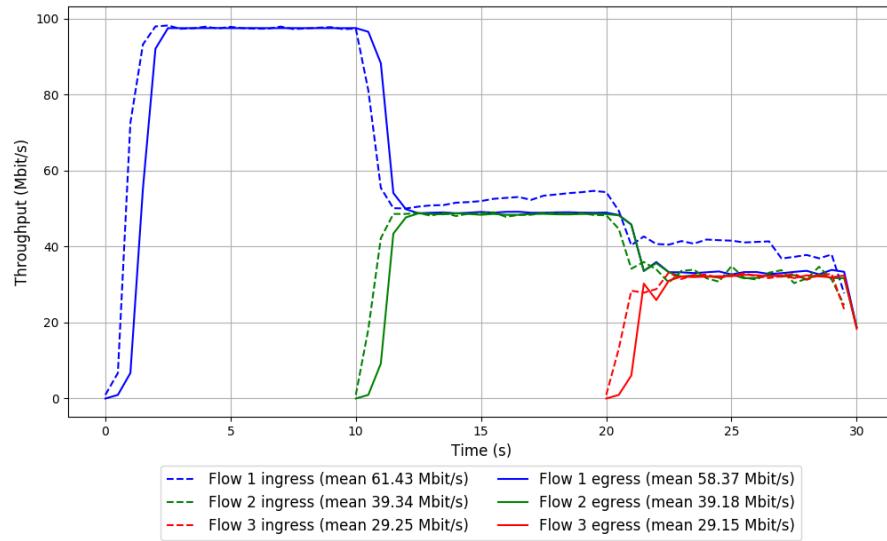


Run 2: Statistics of Indigo

```
Start at: 2018-05-25 12:44:35
End at: 2018-05-25 12:45:05
Local clock offset: -7.321 ms
Remote clock offset: 10.066 ms

# Below is generated by plot.py at 2018-05-25 15:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 113.347 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 110.573 ms
Loss rate: 5.53%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 116.404 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 103.924 ms
Loss rate: 2.00%
```

Run 2: Report of Indigo — Data Link

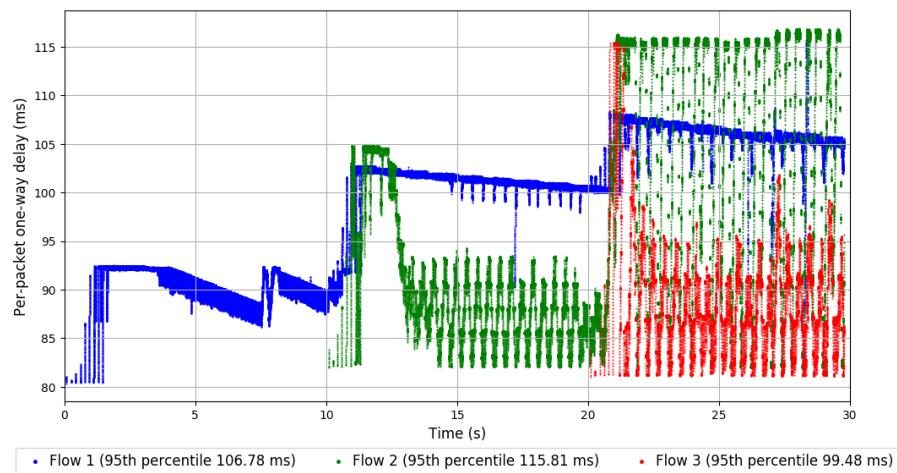
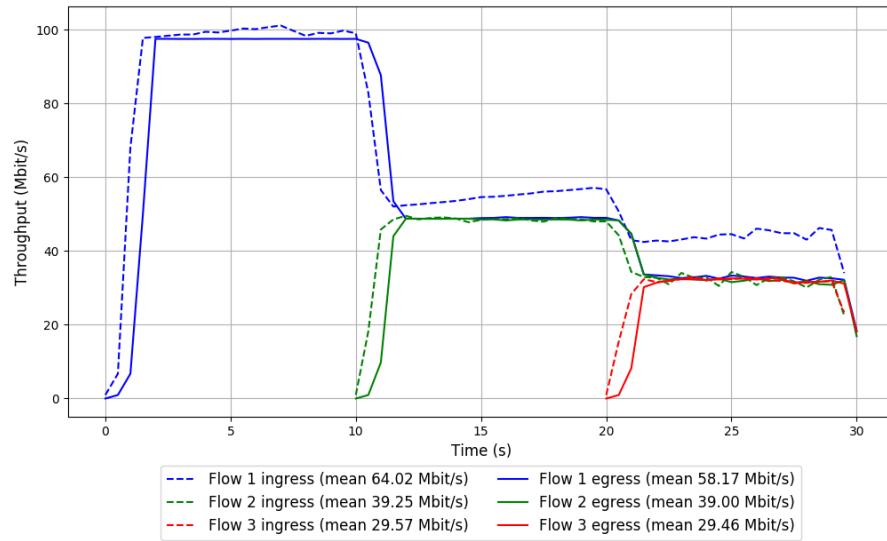


Run 3: Statistics of Indigo

```
Start at: 2018-05-25 13:04:13
End at: 2018-05-25 13:04:43
Local clock offset: -2.854 ms
Remote clock offset: 7.71 ms

# Below is generated by plot.py at 2018-05-25 15:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 112.621 ms
Loss rate: 6.74%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 106.780 ms
Loss rate: 9.62%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 115.815 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 99.480 ms
Loss rate: 2.01%
```

Run 3: Report of Indigo — Data Link

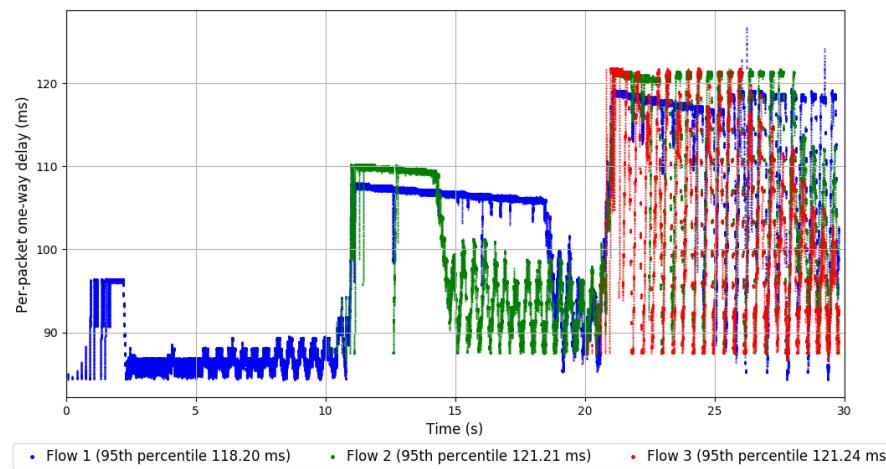
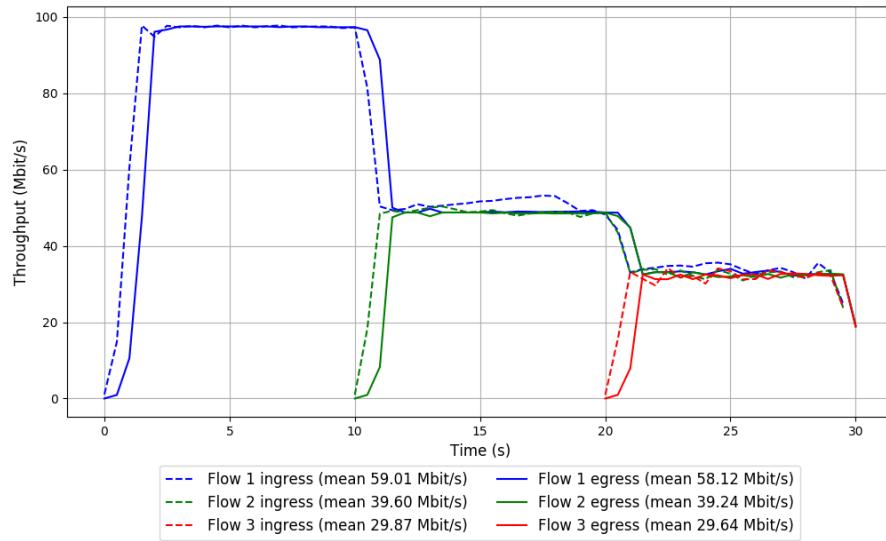


Run 4: Statistics of Indigo

```
Start at: 2018-05-25 13:23:52
End at: 2018-05-25 13:24:22
Local clock offset: -0.164 ms
Remote clock offset: 3.004 ms

# Below is generated by plot.py at 2018-05-25 15:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 120.253 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 118.199 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 121.212 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 29.64 Mbit/s
95th percentile per-packet one-way delay: 121.240 ms
Loss rate: 2.44%
```

Run 4: Report of Indigo — Data Link

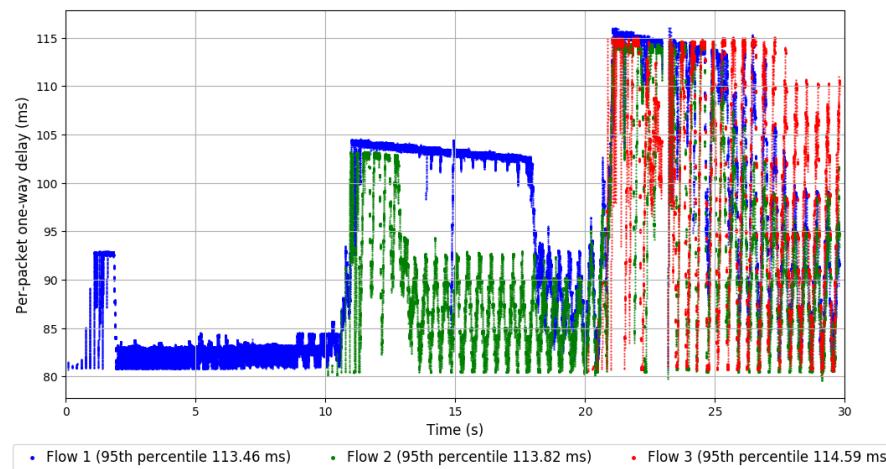
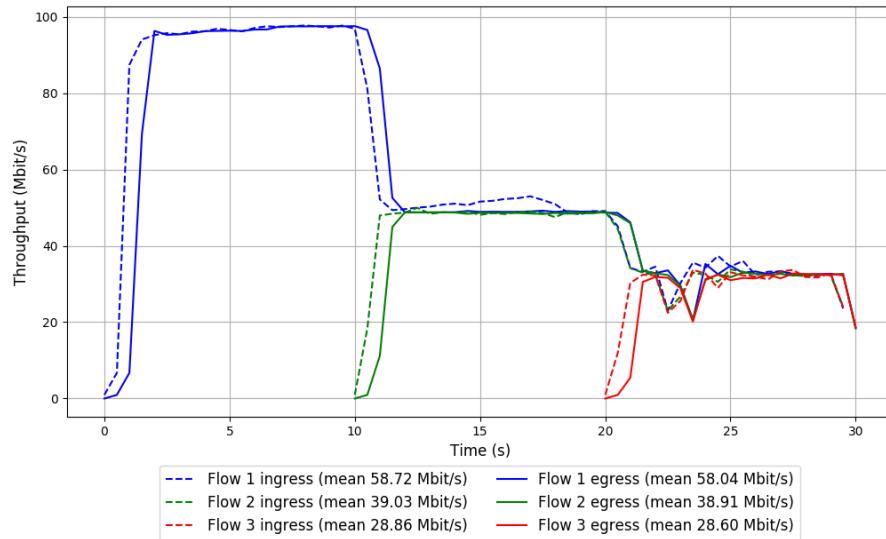


Run 5: Statistics of Indigo

```
Start at: 2018-05-25 13:43:31
End at: 2018-05-25 13:44:01
Local clock offset: 0.933 ms
Remote clock offset: 7.504 ms

# Below is generated by plot.py at 2018-05-25 15:32:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 113.966 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 58.04 Mbit/s
95th percentile per-packet one-way delay: 113.456 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 113.822 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 114.588 ms
Loss rate: 2.54%
```

Run 5: Report of Indigo — Data Link

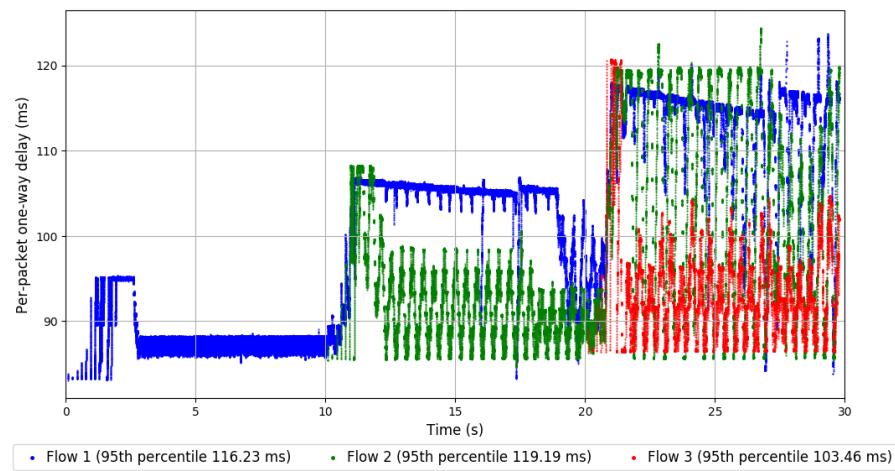
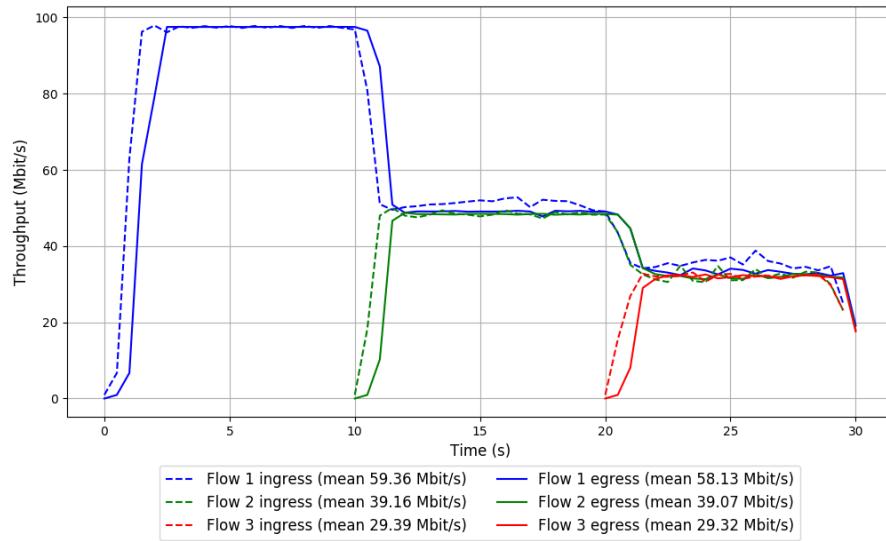


Run 6: Statistics of Indigo

```
Start at: 2018-05-25 14:03:10
End at: 2018-05-25 14:03:40
Local clock offset: -5.025 ms
Remote clock offset: 3.563 ms

# Below is generated by plot.py at 2018-05-25 15:32:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 116.639 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 116.230 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 119.193 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 29.32 Mbit/s
95th percentile per-packet one-way delay: 103.459 ms
Loss rate: 1.90%
```

Run 6: Report of Indigo — Data Link

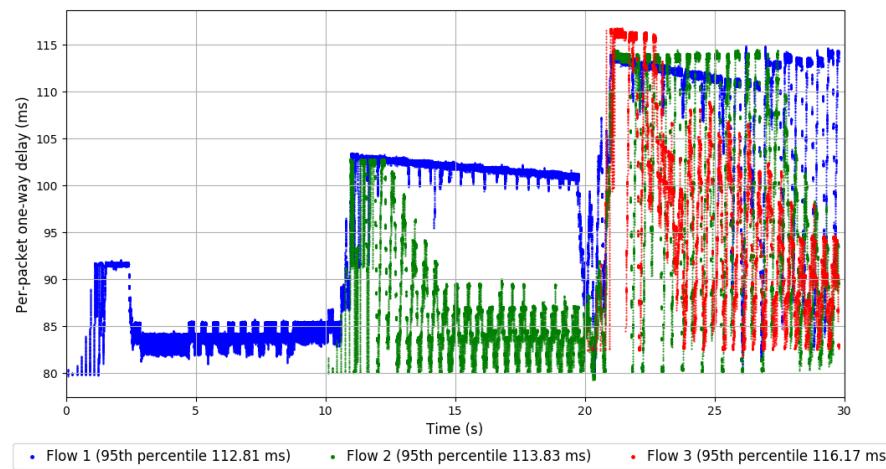
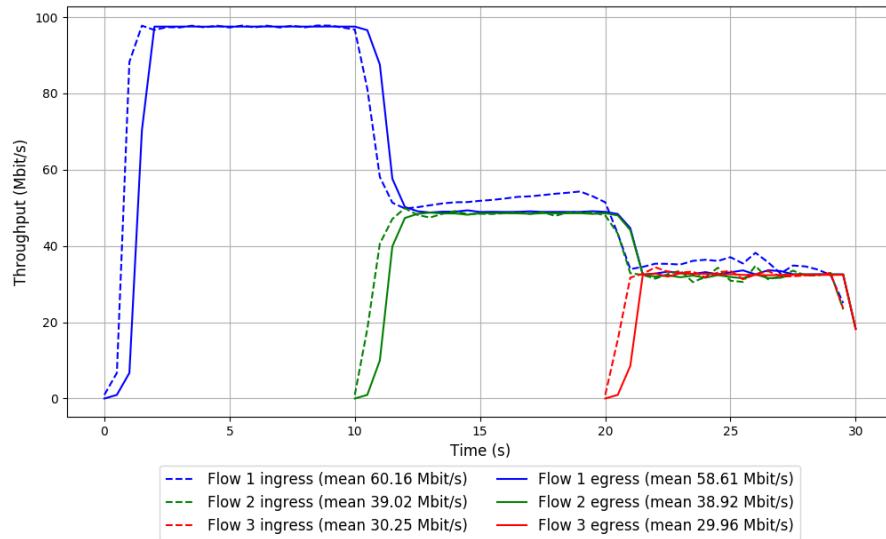


Run 7: Statistics of Indigo

```
Start at: 2018-05-25 14:22:49
End at: 2018-05-25 14:23:19
Local clock offset: -7.951 ms
Remote clock offset: 12.001 ms

# Below is generated by plot.py at 2018-05-25 15:33:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 113.394 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 112.811 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 113.829 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 116.170 ms
Loss rate: 2.62%
```

Run 7: Report of Indigo — Data Link

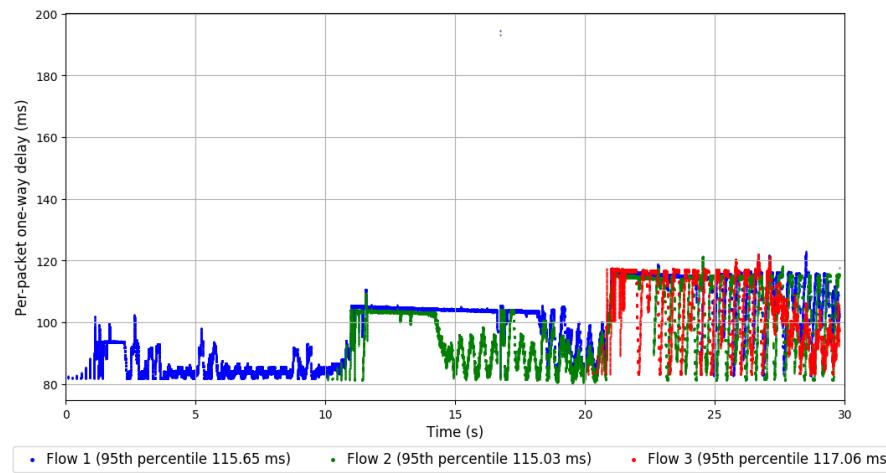
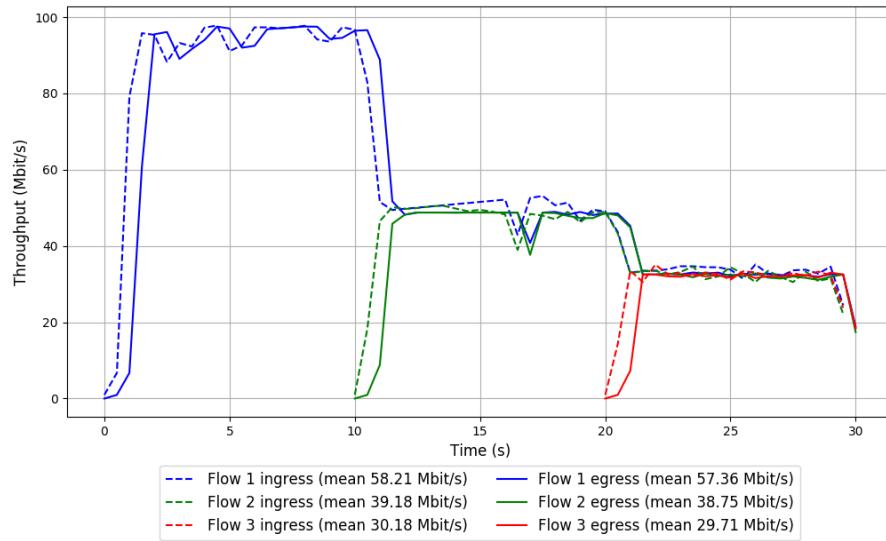


Run 8: Statistics of Indigo

```
Start at: 2018-05-25 14:42:27
End at: 2018-05-25 14:42:57
Local clock offset: -4.0 ms
Remote clock offset: 15.185 ms

# Below is generated by plot.py at 2018-05-25 15:33:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 115.969 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 115.646 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: 115.031 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 29.71 Mbit/s
95th percentile per-packet one-way delay: 117.055 ms
Loss rate: 3.20%
```

Run 8: Report of Indigo — Data Link

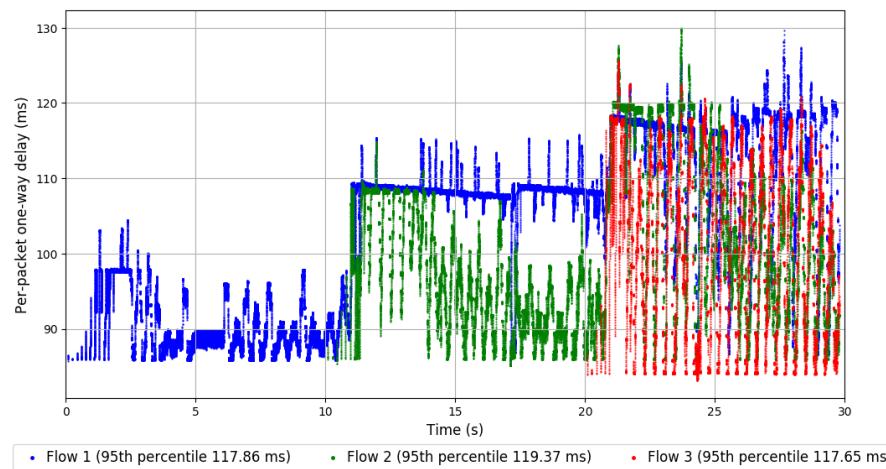
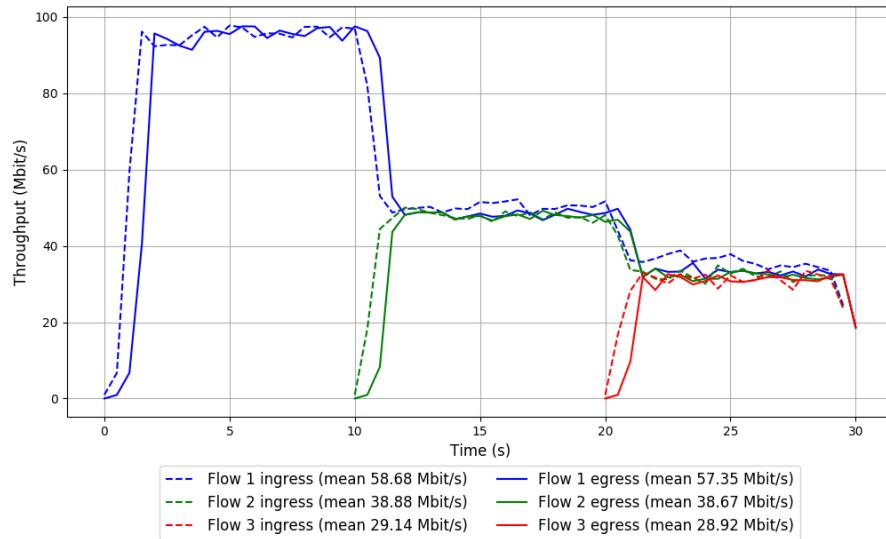


Run 9: Statistics of Indigo

```
Start at: 2018-05-25 15:02:06
End at: 2018-05-25 15:02:36
Local clock offset: -3.242 ms
Remote clock offset: 5.99 ms

# Below is generated by plot.py at 2018-05-25 15:33:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 118.141 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 117.855 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 119.366 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 117.647 ms
Loss rate: 2.37%
```

Run 9: Report of Indigo — Data Link

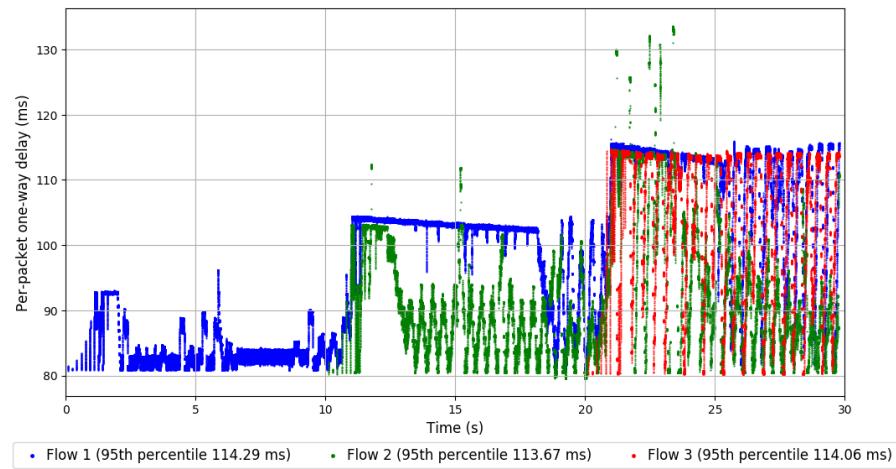
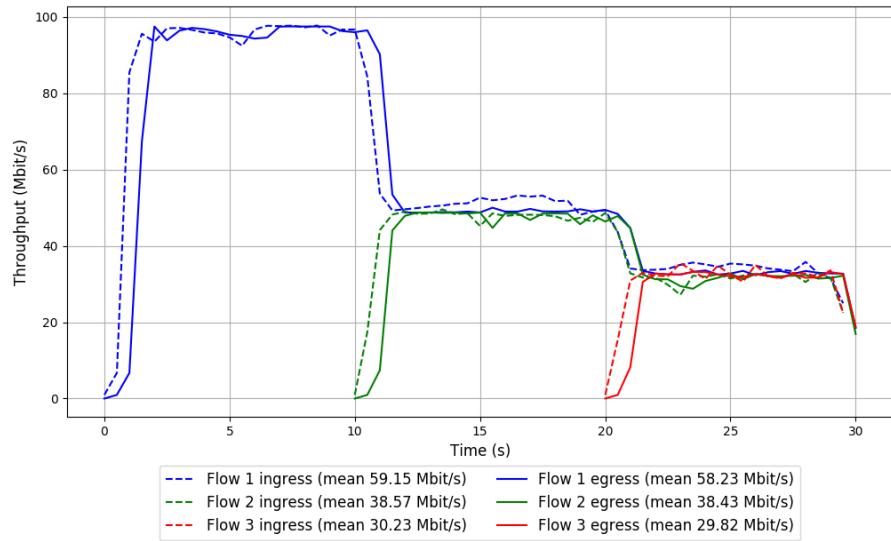


Run 10: Statistics of Indigo

```
Start at: 2018-05-25 15:21:45
End at: 2018-05-25 15:22:15
Local clock offset: -3.048 ms
Remote clock offset: 7.497 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 114.033 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 114.286 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 113.668 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 114.061 ms
Loss rate: 2.98%
```

Run 10: Report of Indigo — Data Link

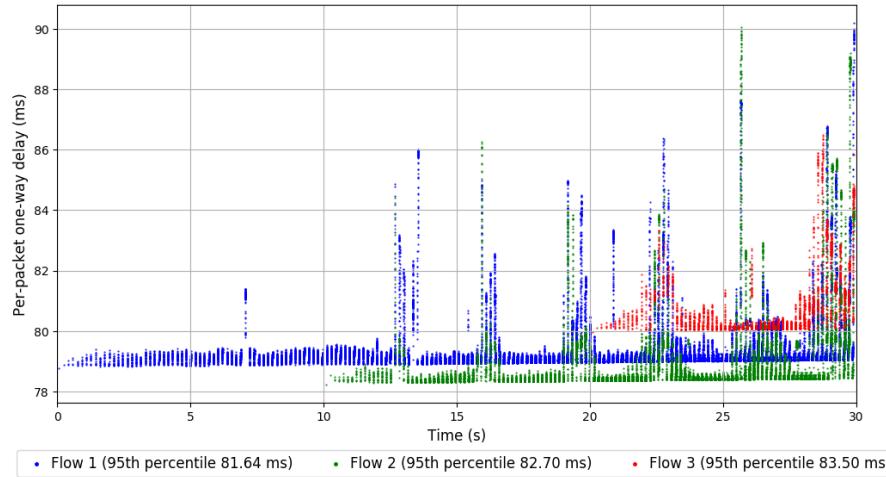
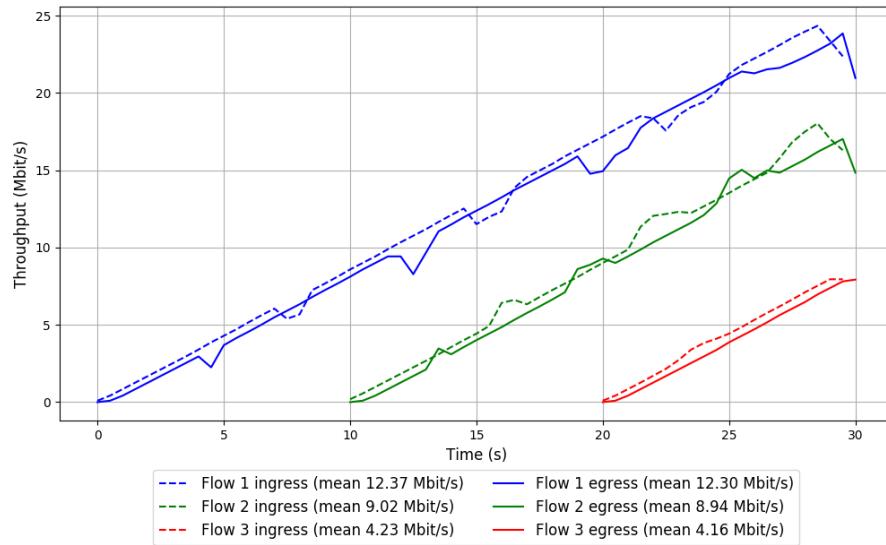


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-25 12:10:10
End at: 2018-05-25 12:10:40
Local clock offset: -7.317 ms
Remote clock offset: 11.568 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 82.228 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 81.644 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 82.699 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 83.499 ms
Loss rate: 3.23%
```

Run 1: Report of LEDBAT — Data Link

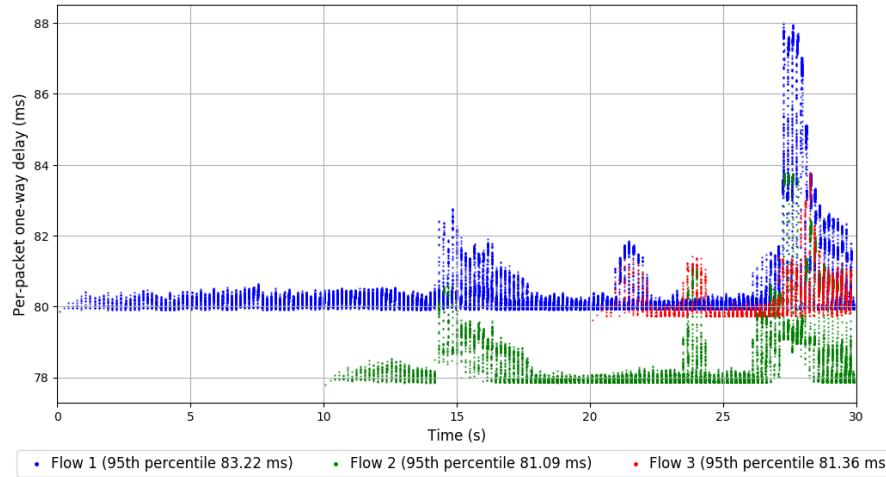
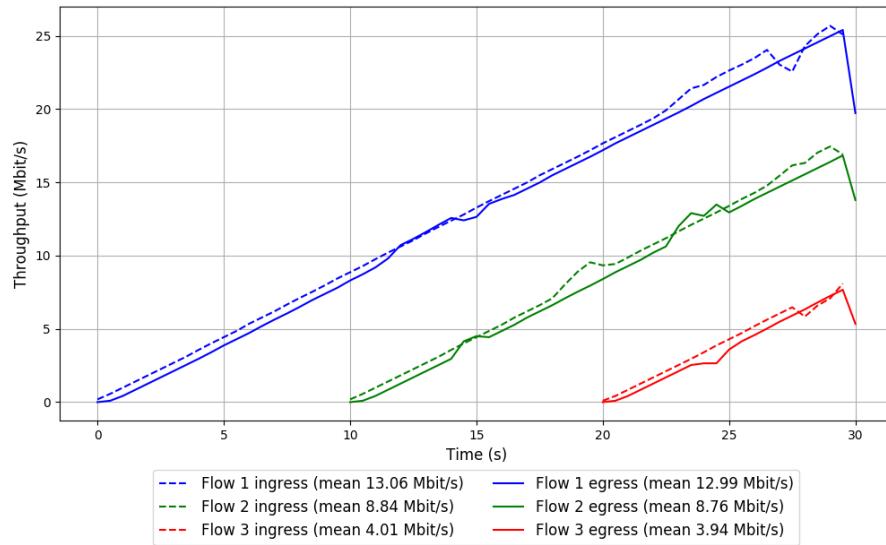


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-25 12:29:49
End at: 2018-05-25 12:30:19
Local clock offset: -7.468 ms
Remote clock offset: 16.676 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 82.424 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 83.219 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 81.094 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 81.364 ms
Loss rate: 3.47%
```

Run 2: Report of LEDBAT — Data Link

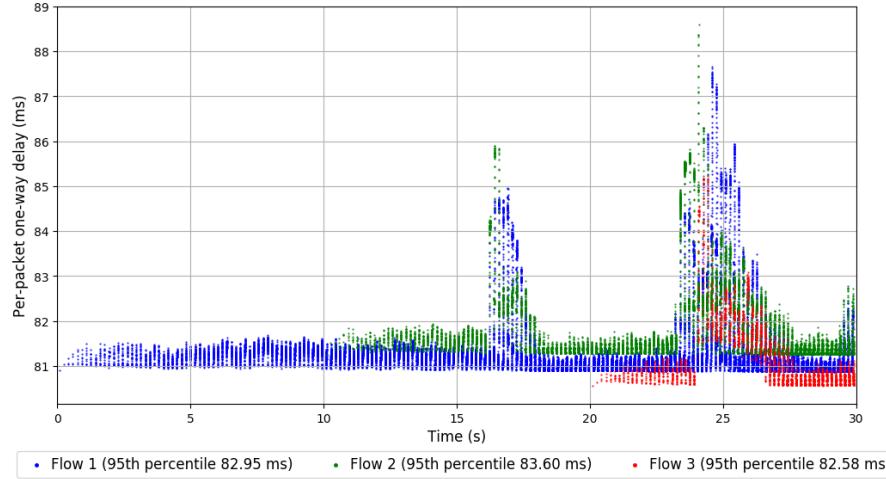
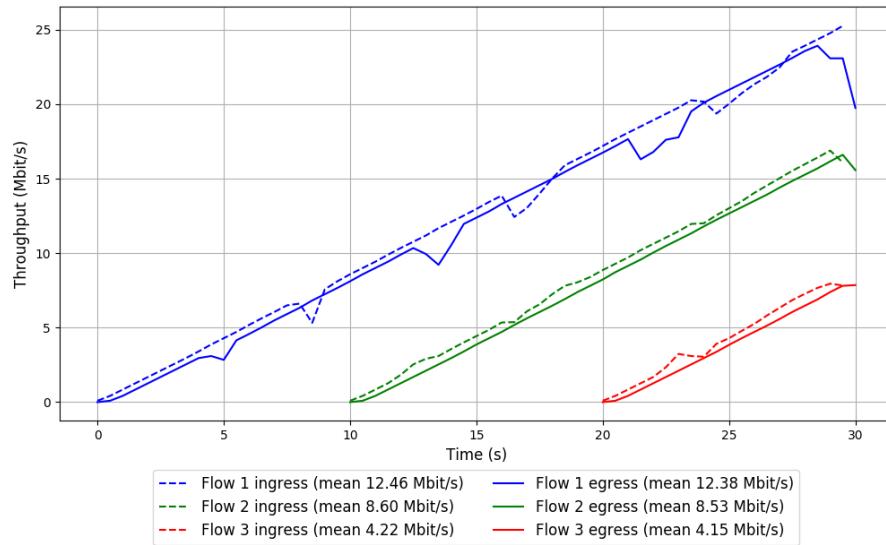


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-25 12:49:28
End at: 2018-05-25 12:49:58
Local clock offset: -7.428 ms
Remote clock offset: 9.444 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 83.075 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 82.948 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 83.596 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 82.585 ms
Loss rate: 3.18%
```

Run 3: Report of LEDBAT — Data Link

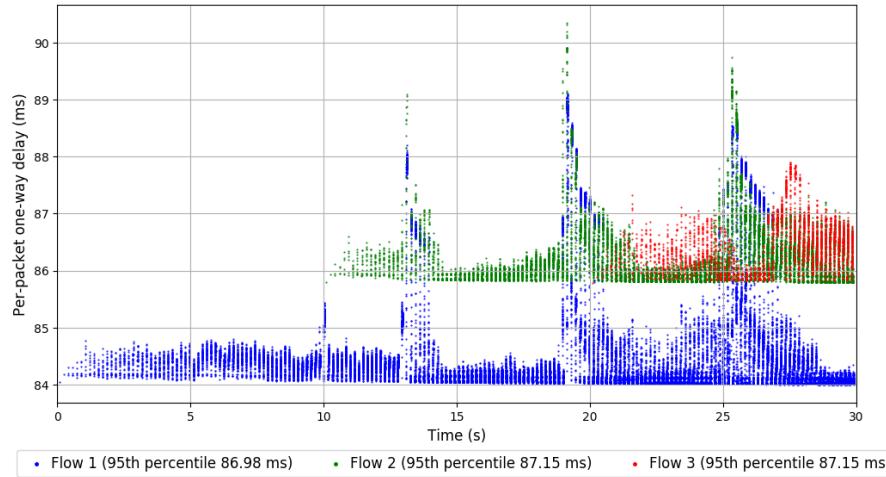
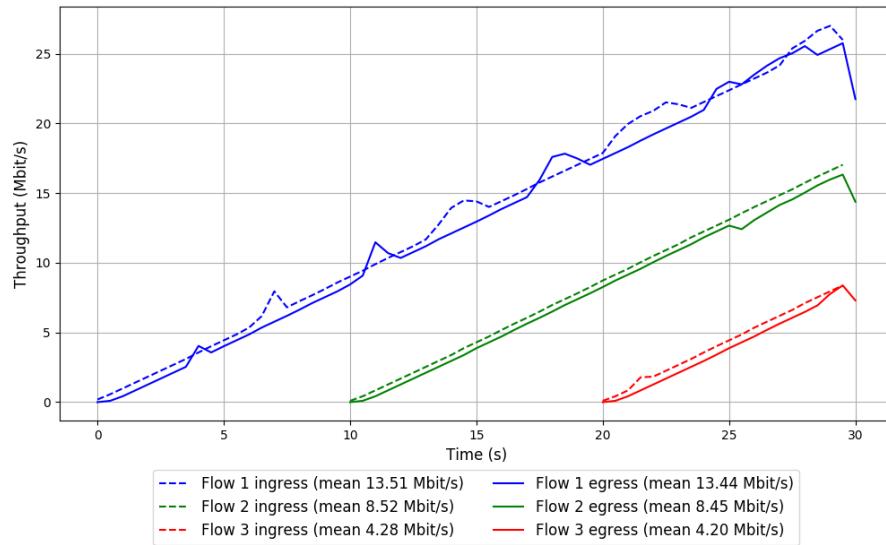


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-25 13:09:07
End at: 2018-05-25 13:09:37
Local clock offset: -1.79 ms
Remote clock offset: 3.708 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 87.073 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 13.44 Mbit/s
95th percentile per-packet one-way delay: 86.979 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 87.149 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 87.153 ms
Loss rate: 3.35%
```

Run 4: Report of LEDBAT — Data Link

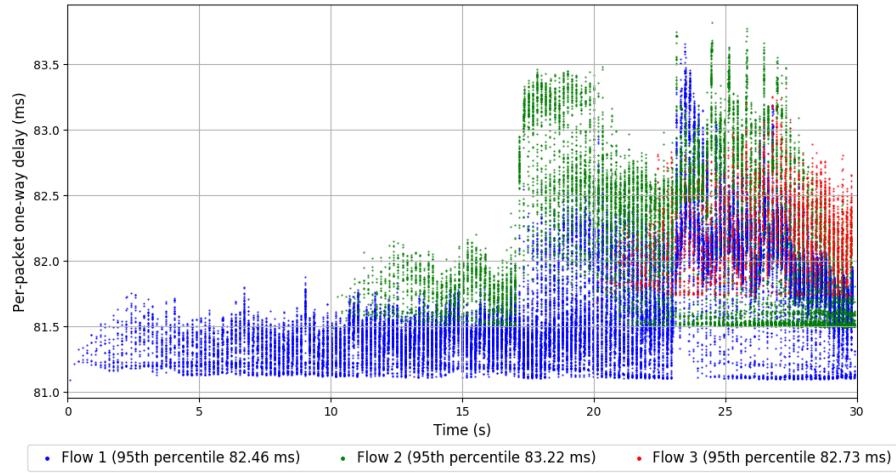
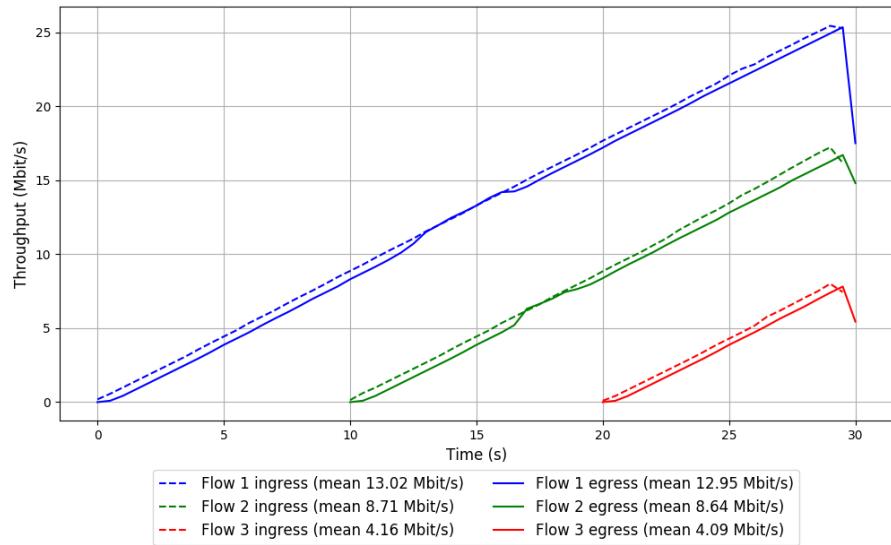


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-25 13:28:46
End at: 2018-05-25 13:29:16
Local clock offset: 0.177 ms
Remote clock offset: 7.472 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: 82.896 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 82.458 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 83.219 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 82.728 ms
Loss rate: 3.41%
```

Run 5: Report of LEDBAT — Data Link

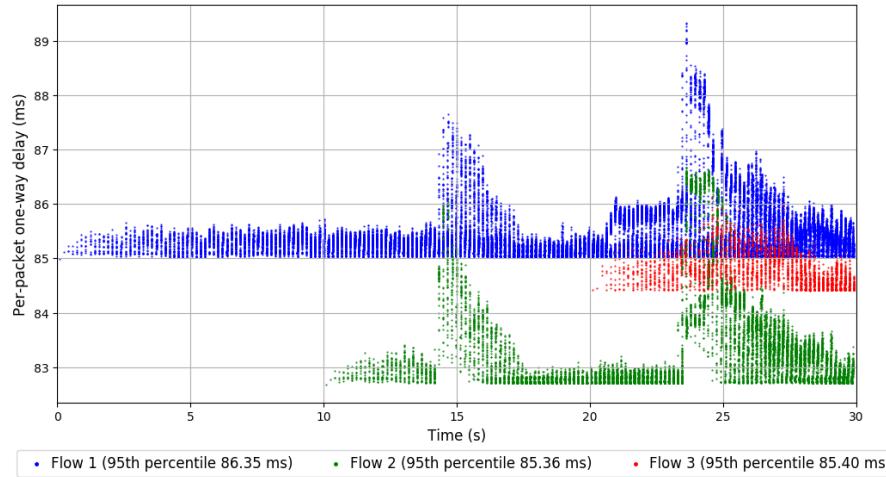
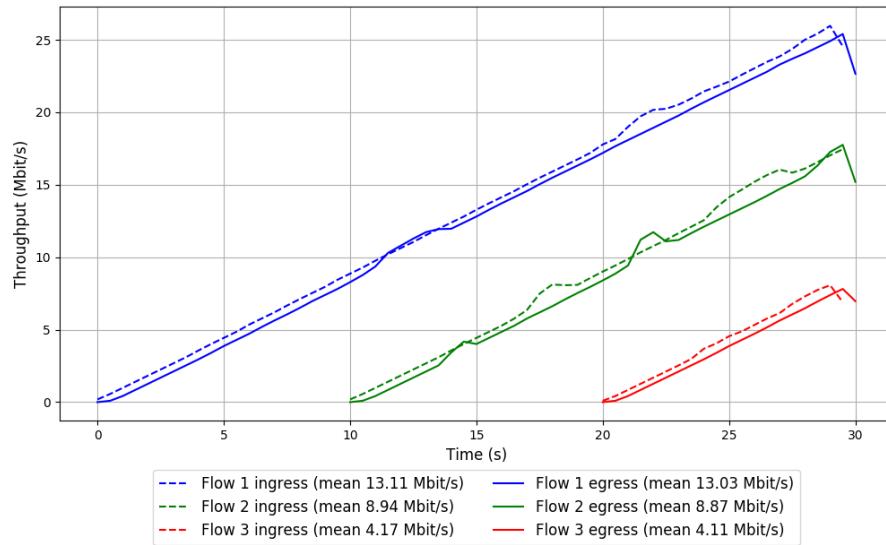


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-25 13:48:25
End at: 2018-05-25 13:48:55
Local clock offset: 0.403 ms
Remote clock offset: 4.015 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 86.188 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 86.349 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 85.356 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 85.400 ms
Loss rate: 3.02%
```

Run 6: Report of LEDBAT — Data Link

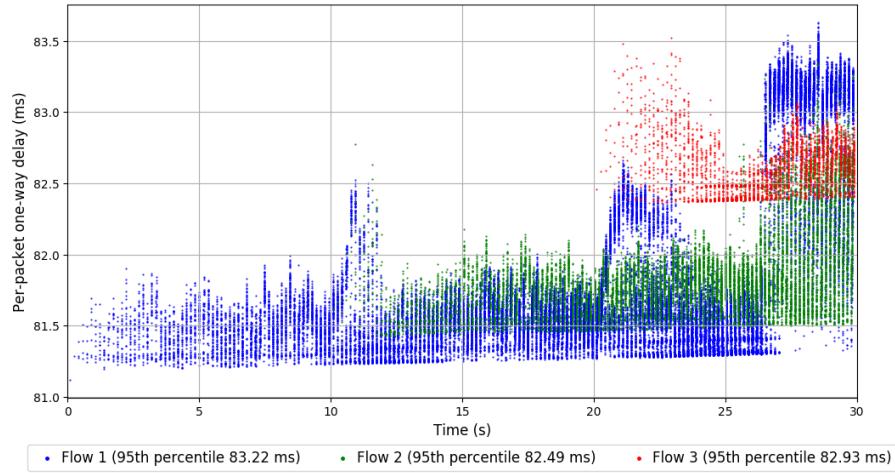
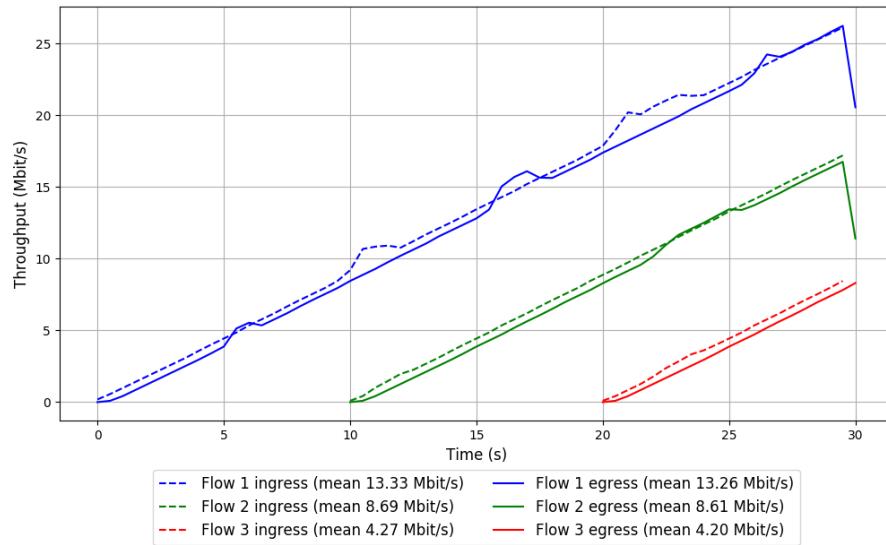


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-25 14:08:04
End at: 2018-05-25 14:08:34
Local clock offset: -5.199 ms
Remote clock offset: 8.306 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 83.166 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 83.217 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 82.489 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 82.927 ms
Loss rate: 3.37%
```

Run 7: Report of LEDBAT — Data Link

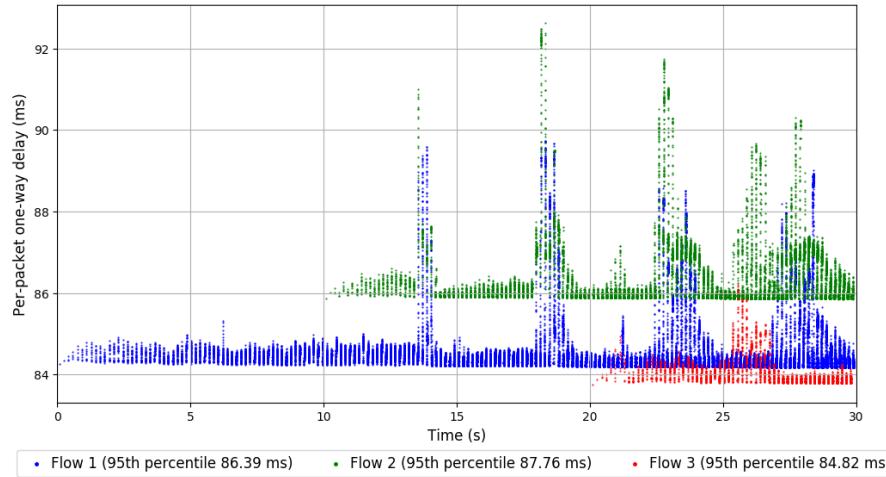
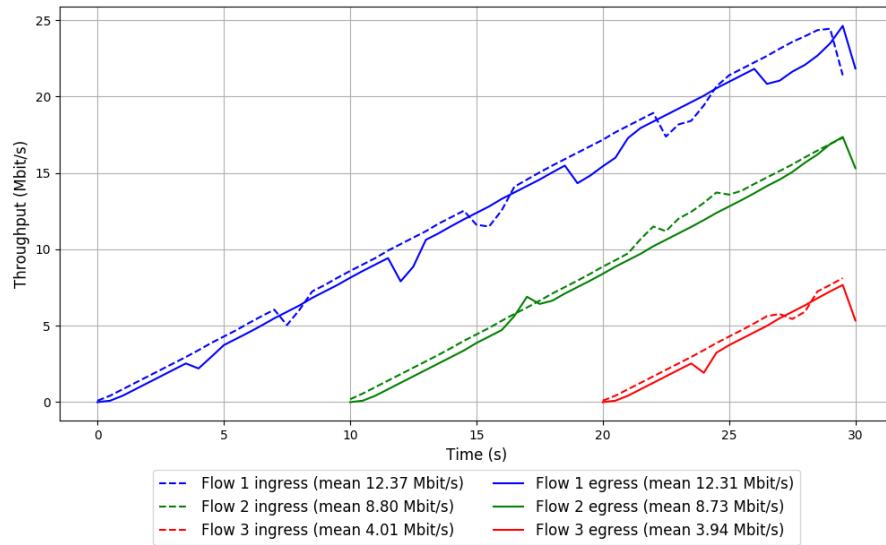


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-25 14:27:42
End at: 2018-05-25 14:28:12
Local clock offset: -7.655 ms
Remote clock offset: 8.286 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 87.148 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 86.393 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 8.73 Mbit/s
95th percentile per-packet one-way delay: 87.761 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 84.821 ms
Loss rate: 3.50%
```

Run 8: Report of LEDBAT — Data Link

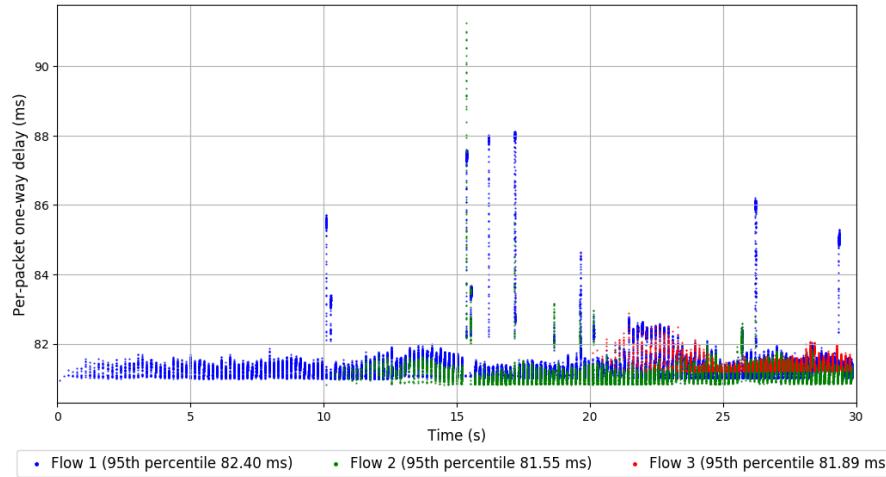
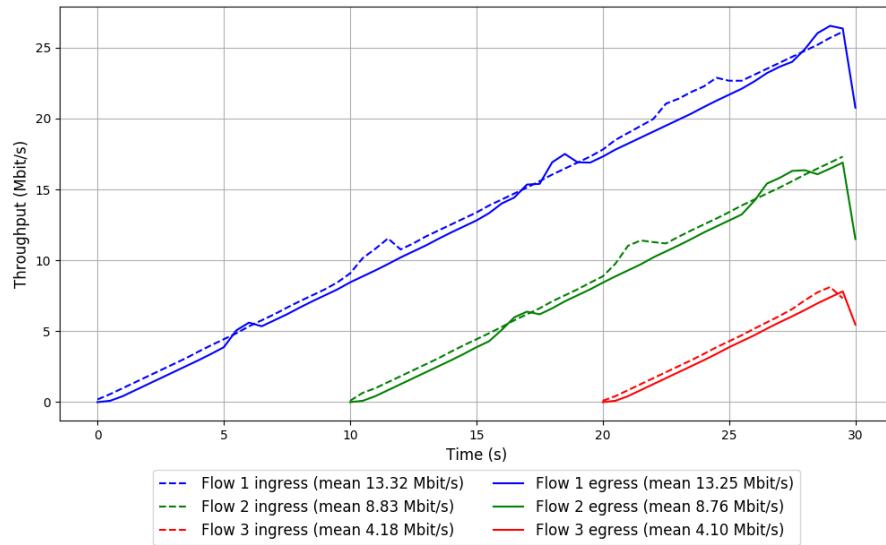


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-25 14:47:20
End at: 2018-05-25 14:47:50
Local clock offset: -3.723 ms
Remote clock offset: 16.918 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 82.245 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 82.398 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 81.553 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 81.889 ms
Loss rate: 3.43%
```

Run 9: Report of LEDBAT — Data Link

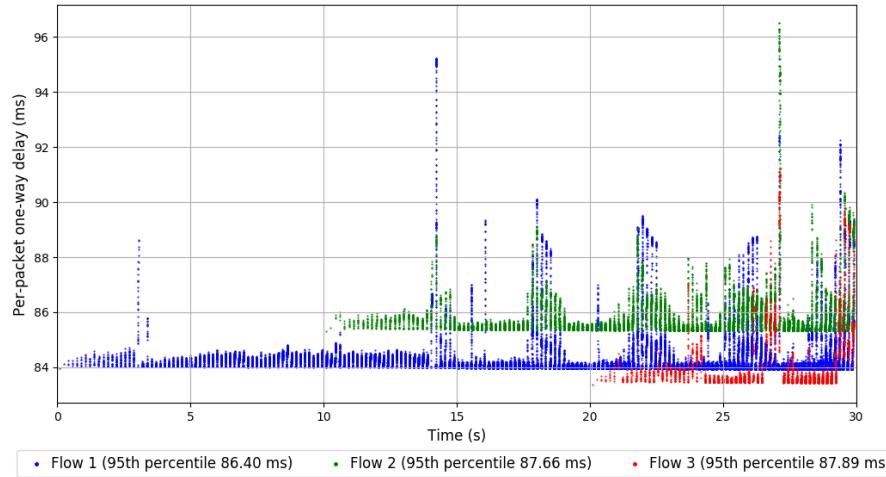
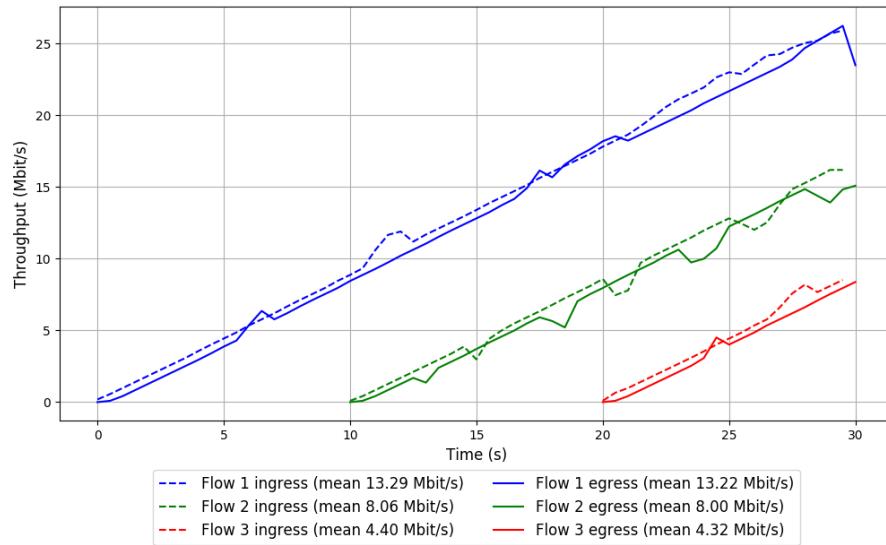


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-25 15:06:59
End at: 2018-05-25 15:07:29
Local clock offset: -3.185 ms
Remote clock offset: 4.603 ms

# Below is generated by plot.py at 2018-05-25 15:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.96 Mbit/s
95th percentile per-packet one-way delay: 86.989 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 13.22 Mbit/s
95th percentile per-packet one-way delay: 86.396 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 87.655 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 87.893 ms
Loss rate: 3.29%
```

Run 10: Report of LEDBAT — Data Link

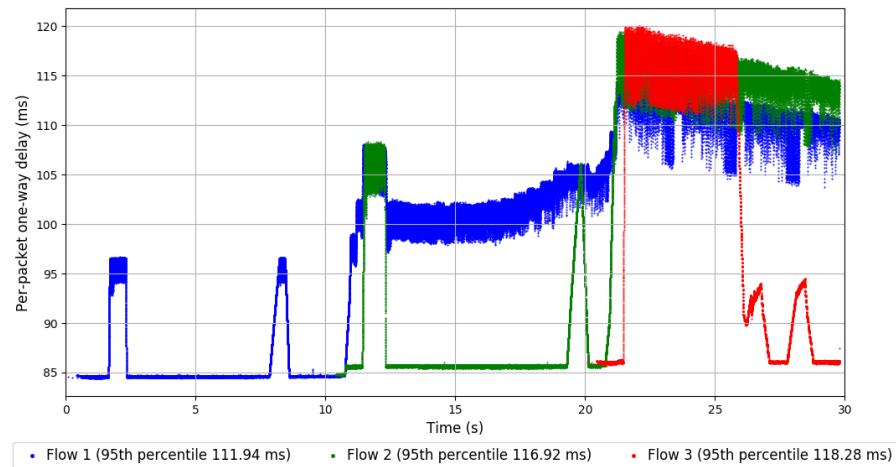
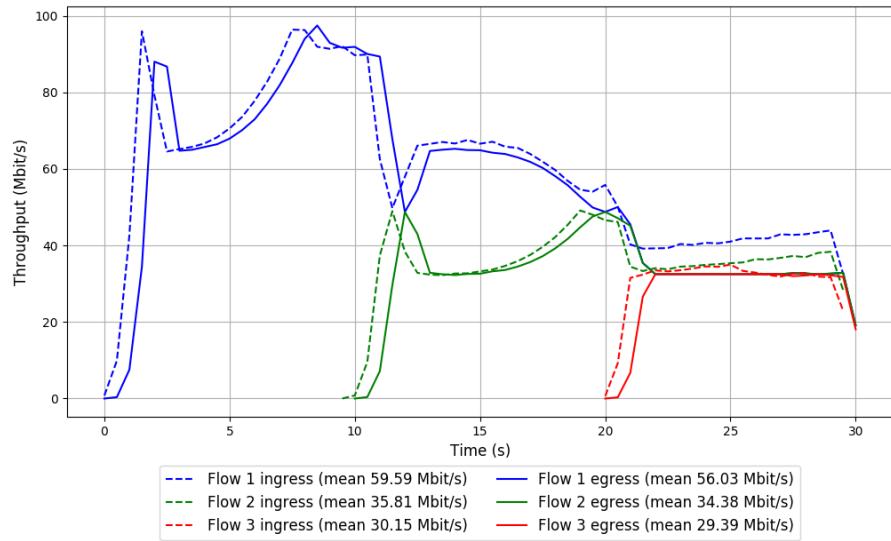


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-25 12:22:24
End at: 2018-05-25 12:22:54
Local clock offset: -6.847 ms
Remote clock offset: 10.182 ms

# Below is generated by plot.py at 2018-05-25 15:33:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.44 Mbit/s
95th percentile per-packet one-way delay: 116.130 ms
Loss rate: 5.82%
-- Flow 1:
Average throughput: 56.03 Mbit/s
95th percentile per-packet one-way delay: 111.943 ms
Loss rate: 6.51%
-- Flow 2:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 116.917 ms
Loss rate: 4.81%
-- Flow 3:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 118.275 ms
Loss rate: 4.12%
```

Run 1: Report of PCC-Allegro — Data Link

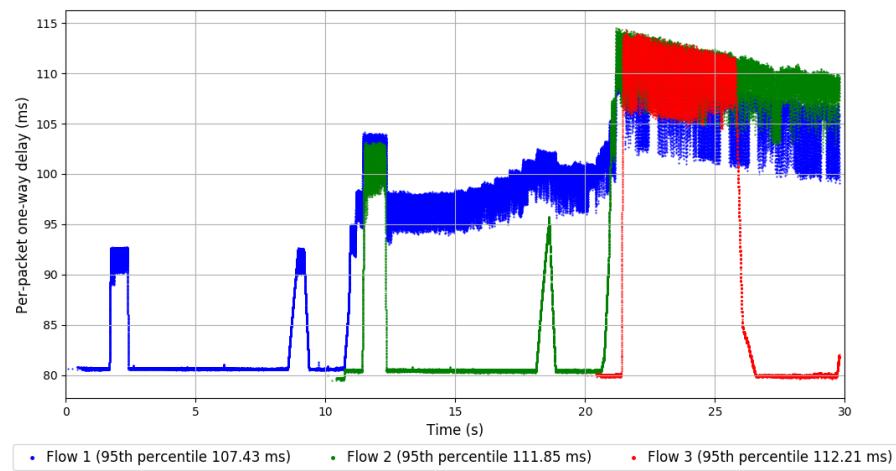
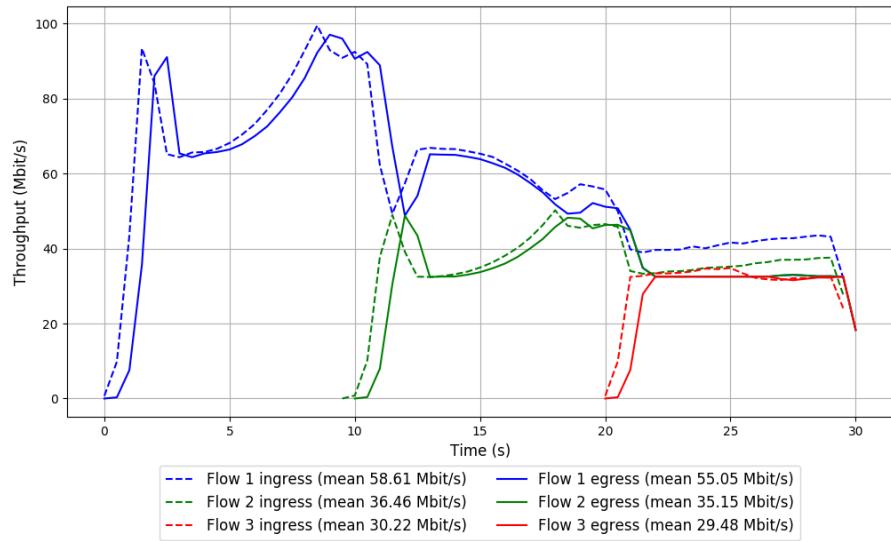


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-25 12:42:03
End at: 2018-05-25 12:42:33
Local clock offset: -7.251 ms
Remote clock offset: 11.806 ms

# Below is generated by plot.py at 2018-05-25 15:33:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 110.678 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 107.434 ms
Loss rate: 6.61%
-- Flow 2:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 111.849 ms
Loss rate: 4.43%
-- Flow 3:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 112.211 ms
Loss rate: 4.07%
```

Run 2: Report of PCC-Allegro — Data Link

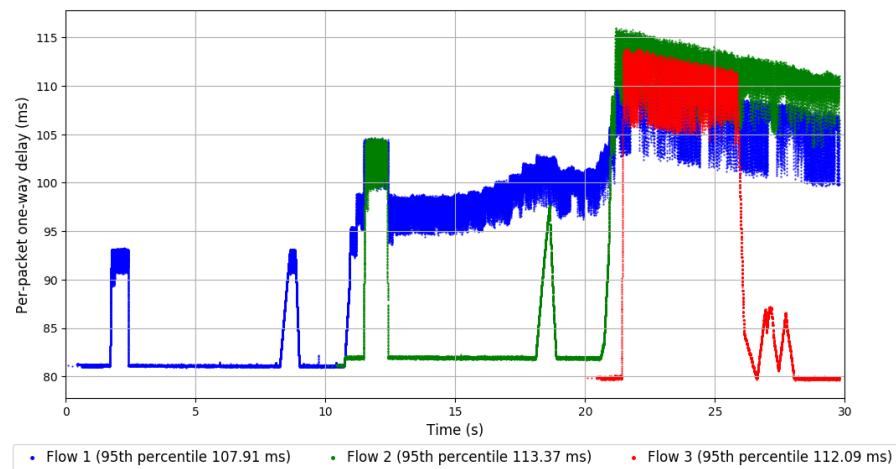
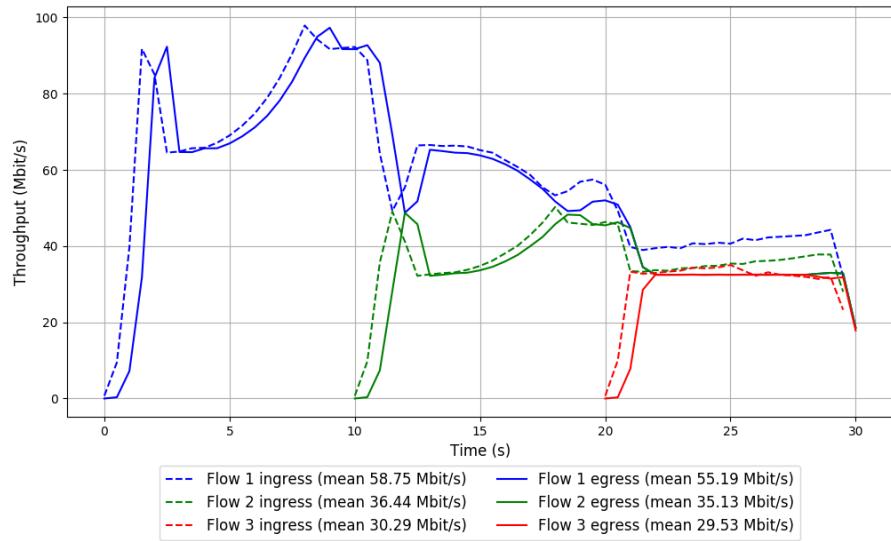


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-25 13:01:41
End at: 2018-05-25 13:02:11
Local clock offset: -4.445 ms
Remote clock offset: 7.929 ms

# Below is generated by plot.py at 2018-05-25 15:33:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 111.656 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 107.912 ms
Loss rate: 6.60%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 113.373 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 112.095 ms
Loss rate: 4.10%
```

Run 3: Report of PCC-Allegro — Data Link

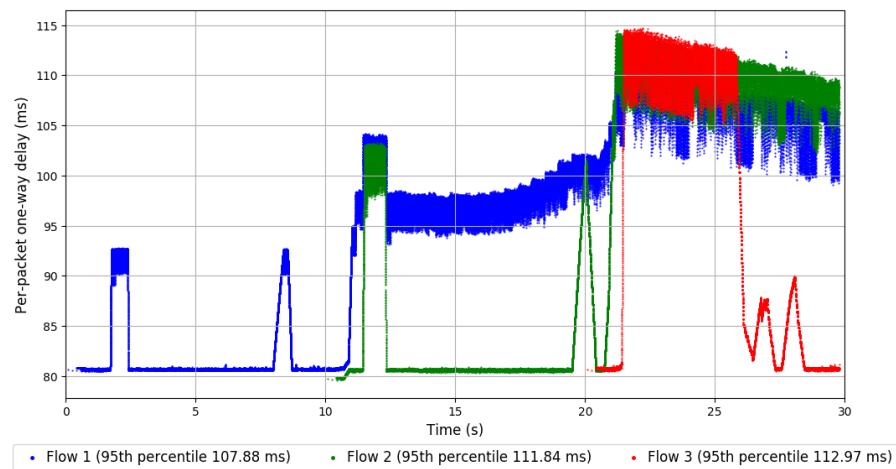
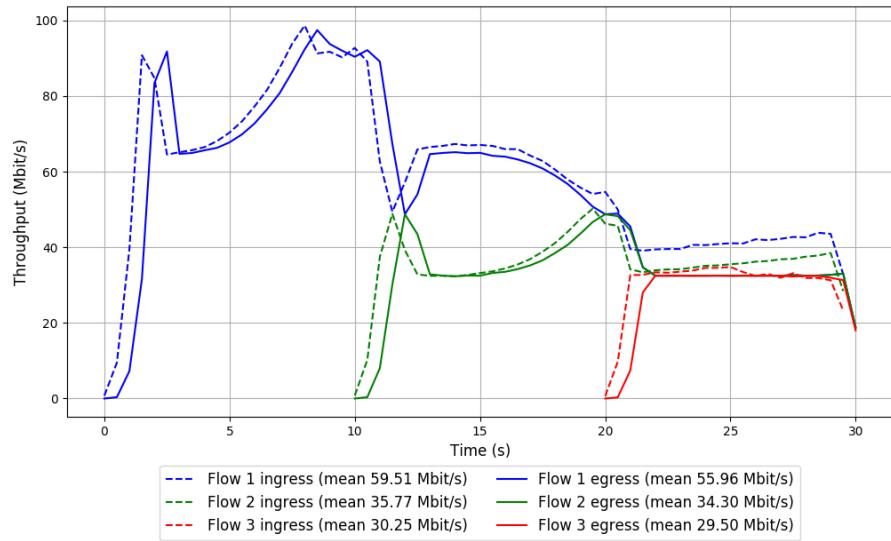


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-25 13:21:20
End at: 2018-05-25 13:21:50
Local clock offset: -1.909 ms
Remote clock offset: 6.564 ms

# Below is generated by plot.py at 2018-05-25 15:33:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 110.981 ms
Loss rate: 5.82%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 107.878 ms
Loss rate: 6.48%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 111.844 ms
Loss rate: 4.91%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 112.970 ms
Loss rate: 4.10%
```

Run 4: Report of PCC-Allegro — Data Link

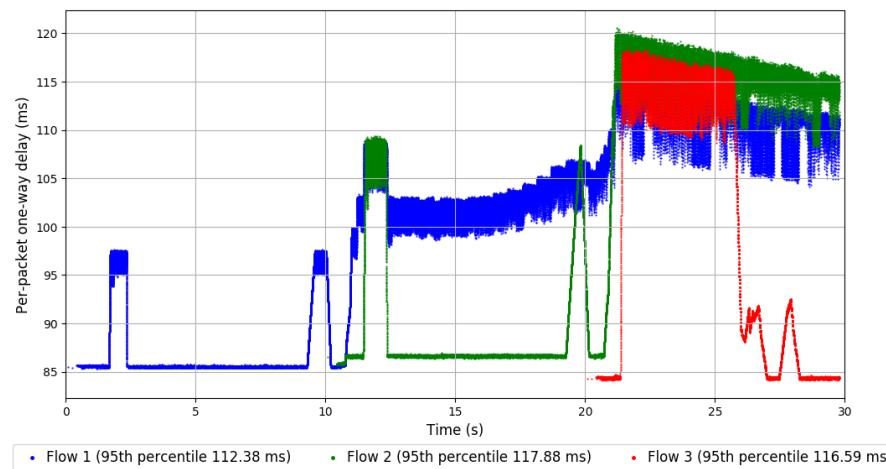
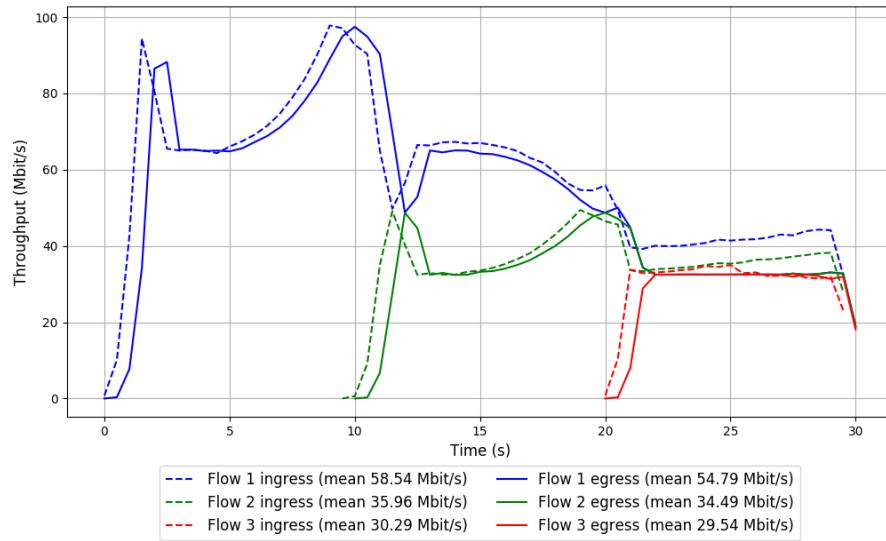


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-25 13:40:59
End at: 2018-05-25 13:41:29
Local clock offset: 0.035 ms
Remote clock offset: 2.849 ms

# Below is generated by plot.py at 2018-05-25 15:34:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 116.189 ms
Loss rate: 6.10%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 112.376 ms
Loss rate: 6.94%
-- Flow 2:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 117.884 ms
Loss rate: 4.88%
-- Flow 3:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 116.586 ms
Loss rate: 4.08%
```

Run 5: Report of PCC-Allegro — Data Link

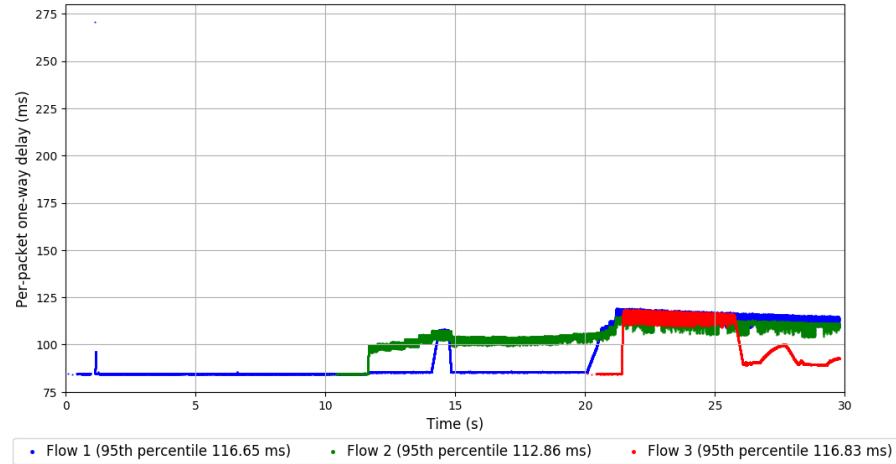
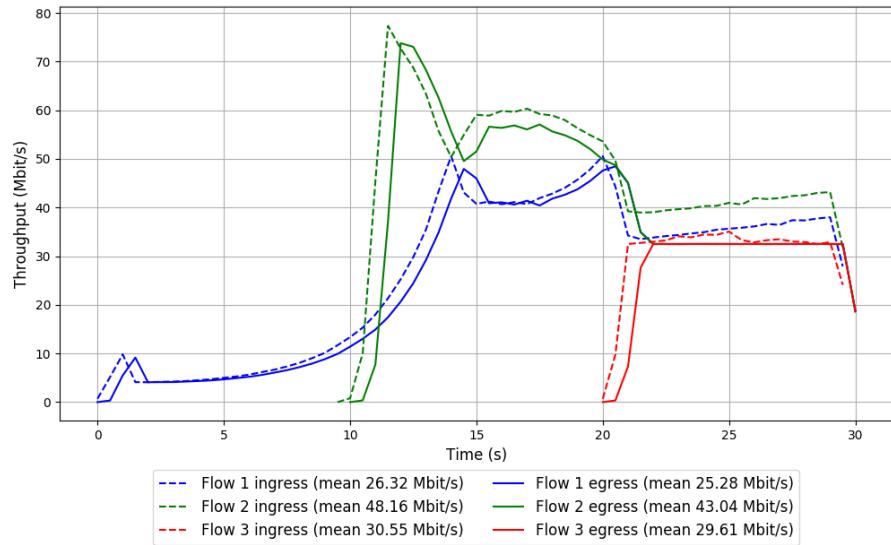


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-25 14:00:39
End at: 2018-05-25 14:01:09
Local clock offset: -2.219 ms
Remote clock offset: 4.371 ms

# Below is generated by plot.py at 2018-05-25 15:34:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 116.023 ms
Loss rate: 7.76%
-- Flow 1:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 116.648 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 43.04 Mbit/s
95th percentile per-packet one-way delay: 112.863 ms
Loss rate: 11.42%
-- Flow 3:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 116.834 ms
Loss rate: 4.66%
```

Run 6: Report of PCC-Allegro — Data Link

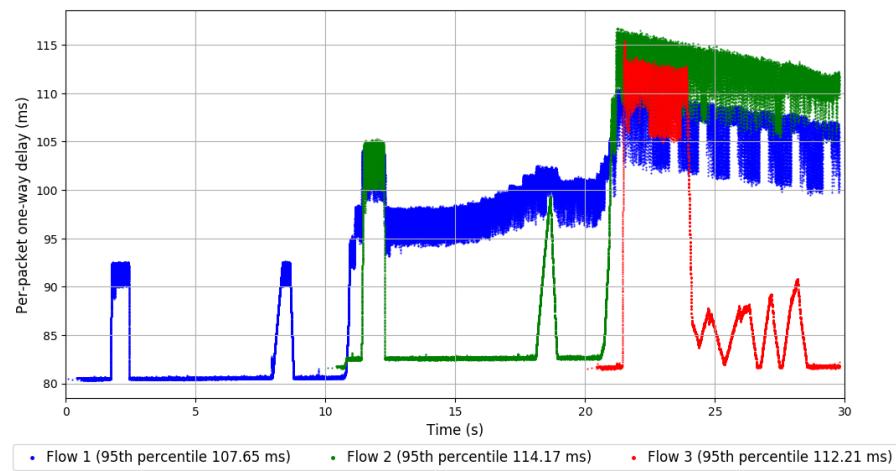
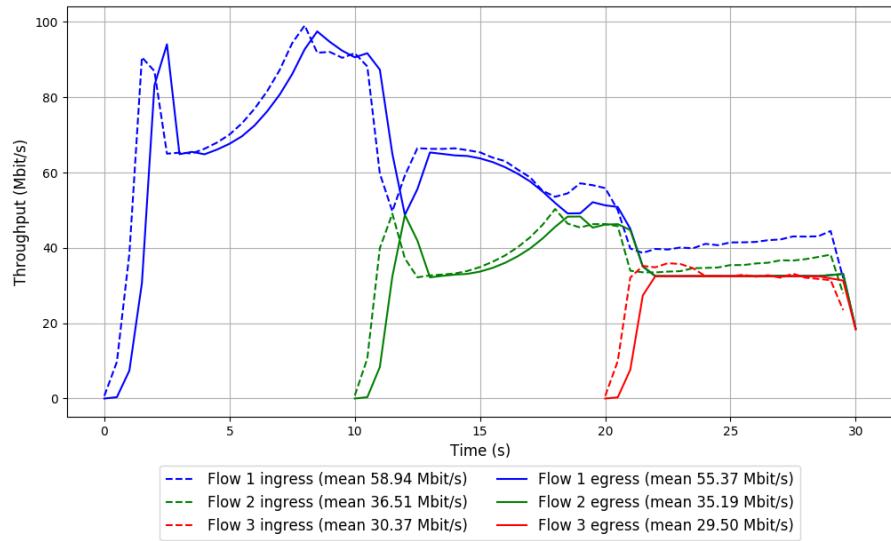


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-25 14:20:17
End at: 2018-05-25 14:20:47
Local clock offset: -9.112 ms
Remote clock offset: 8.42 ms

# Below is generated by plot.py at 2018-05-25 15:34:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 112.311 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 107.646 ms
Loss rate: 6.57%
-- Flow 2:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 114.168 ms
Loss rate: 4.42%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 112.210 ms
Loss rate: 4.48%
```

Run 7: Report of PCC-Allegro — Data Link

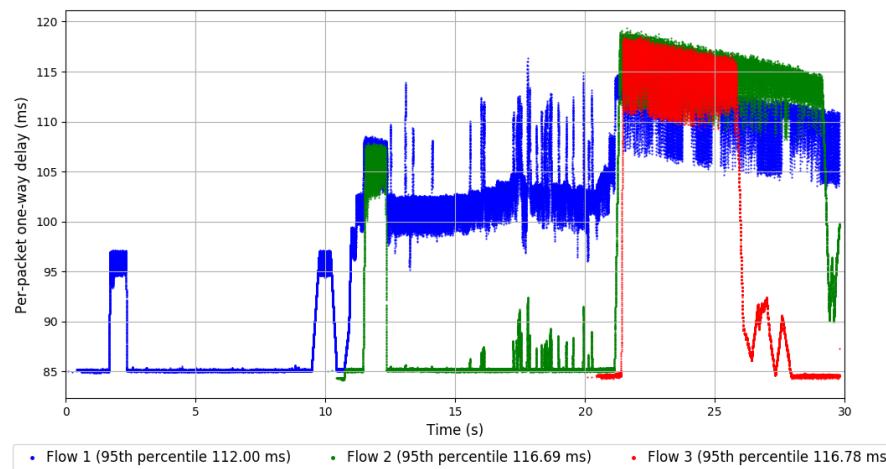
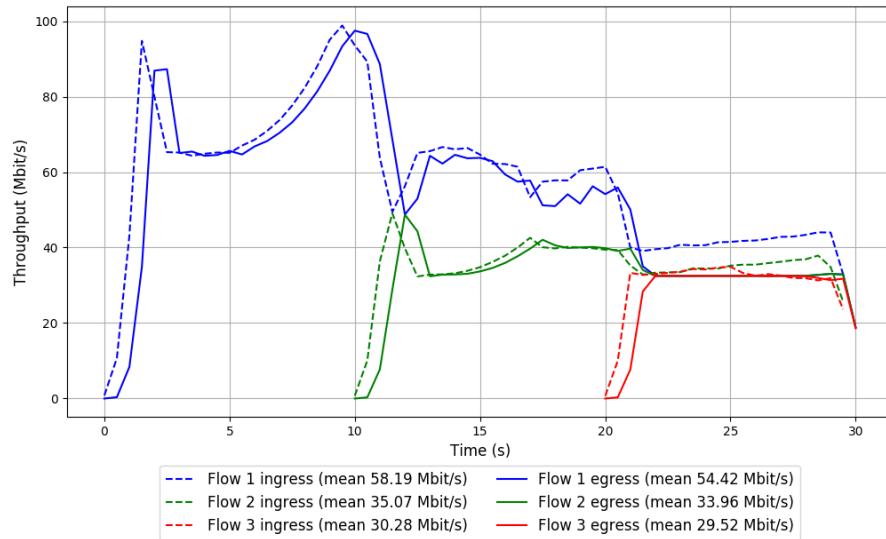


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-25 14:39:55
End at: 2018-05-25 14:40:25
Local clock offset: -3.516 ms
Remote clock offset: 11.884 ms

# Below is generated by plot.py at 2018-05-25 15:34:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 115.478 ms
Loss rate: 5.92%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 112.005 ms
Loss rate: 7.02%
-- Flow 2:
Average throughput: 33.96 Mbit/s
95th percentile per-packet one-way delay: 116.687 ms
Loss rate: 3.95%
-- Flow 3:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 116.782 ms
Loss rate: 4.09%
```

Run 8: Report of PCC-Allegro — Data Link

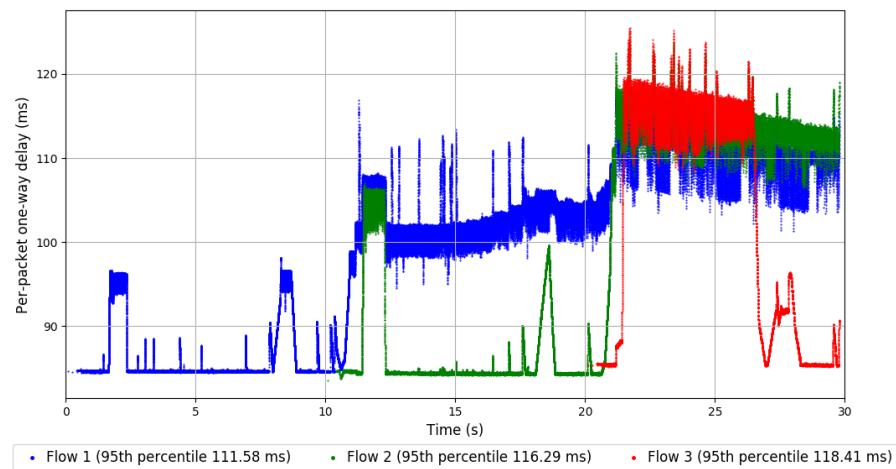
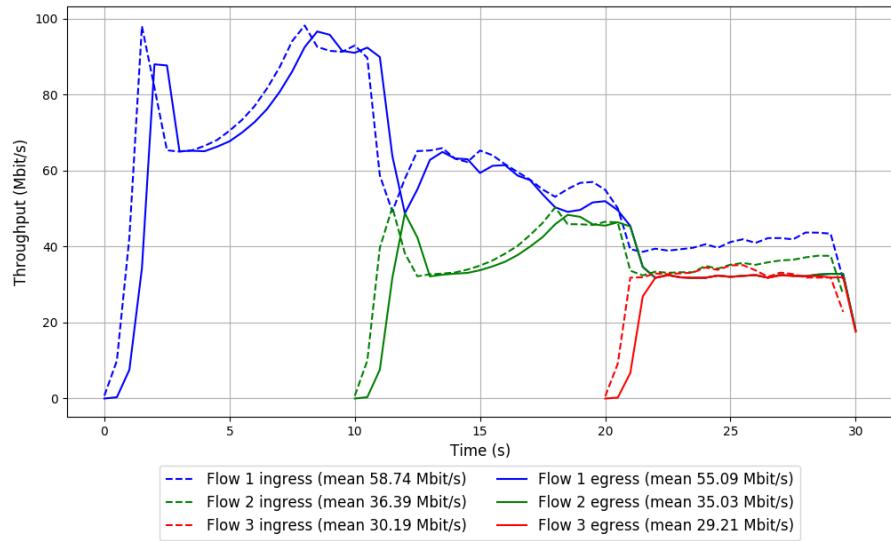


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-25 14:59:34
End at: 2018-05-25 15:00:04
Local clock offset: -2.54 ms
Remote clock offset: 7.881 ms

# Below is generated by plot.py at 2018-05-25 15:34:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 115.705 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 111.578 ms
Loss rate: 6.75%
-- Flow 2:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 116.294 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 118.405 ms
Loss rate: 4.85%
```

Run 9: Report of PCC-Allegro — Data Link

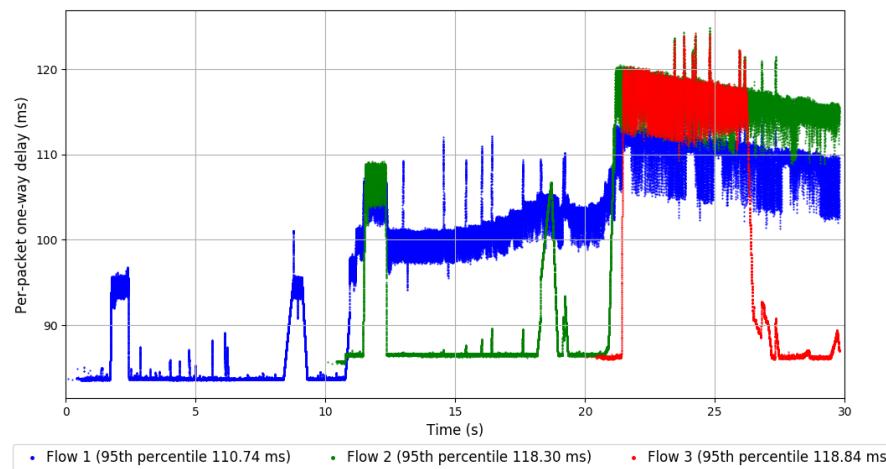
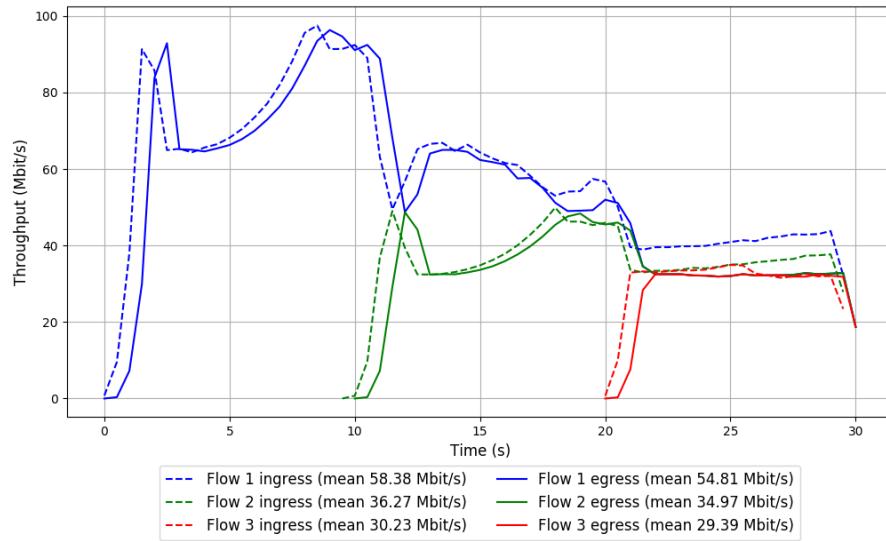


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-25 15:19:13
End at: 2018-05-25 15:19:43
Local clock offset: -3.059 ms
Remote clock offset: 2.959 ms

# Below is generated by plot.py at 2018-05-25 15:35:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 117.117 ms
Loss rate: 5.80%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 110.737 ms
Loss rate: 6.63%
-- Flow 2:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 118.303 ms
Loss rate: 4.37%
-- Flow 3:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 118.841 ms
Loss rate: 4.39%
```

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-25 12:15:06

End at: 2018-05-25 12:15:36

Local clock offset: -7.021 ms

Remote clock offset: 9.389 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-25 12:34:45

End at: 2018-05-25 12:35:15

Local clock offset: -8.064 ms

Remote clock offset: 15.582 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-05-25 12:54:24

End at: 2018-05-25 12:54:54

Local clock offset: -7.536 ms

Remote clock offset: 9.562 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-25 13:14:03

End at: 2018-05-25 13:14:33

Local clock offset: -1.854 ms

Remote clock offset: 2.91 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-05-25 13:33:41

End at: 2018-05-25 13:34:11

Local clock offset: -0.303 ms

Remote clock offset: 6.678 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-25 13:53:21

End at: 2018-05-25 13:53:51

Local clock offset: 0.727 ms

Remote clock offset: 3.457 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-25 14:12:59

End at: 2018-05-25 14:13:29

Local clock offset: -7.222 ms

Remote clock offset: 6.835 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-25 14:32:38

End at: 2018-05-25 14:33:08

Local clock offset: -5.731 ms

Remote clock offset: 15.148 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-25 14:52:16

End at: 2018-05-25 14:52:46

Local clock offset: -2.788 ms

Remote clock offset: 12.706 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-25 15:11:55

End at: 2018-05-25 15:12:25

Local clock offset: -3.947 ms

Remote clock offset: 7.503 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

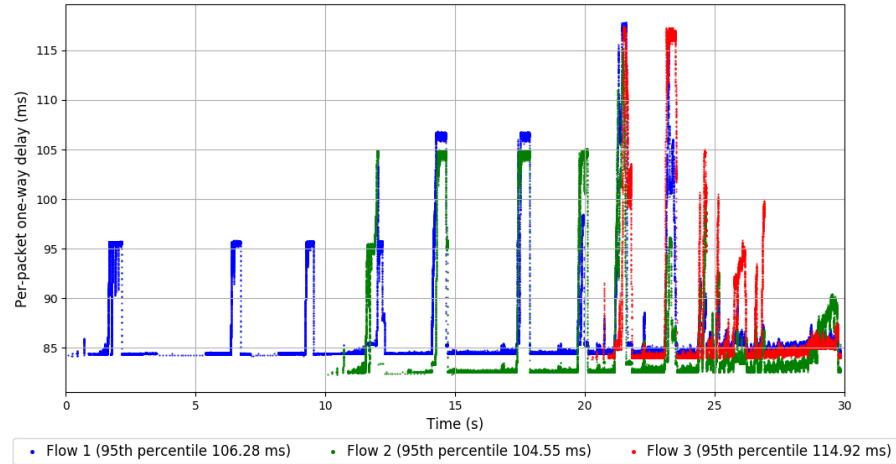
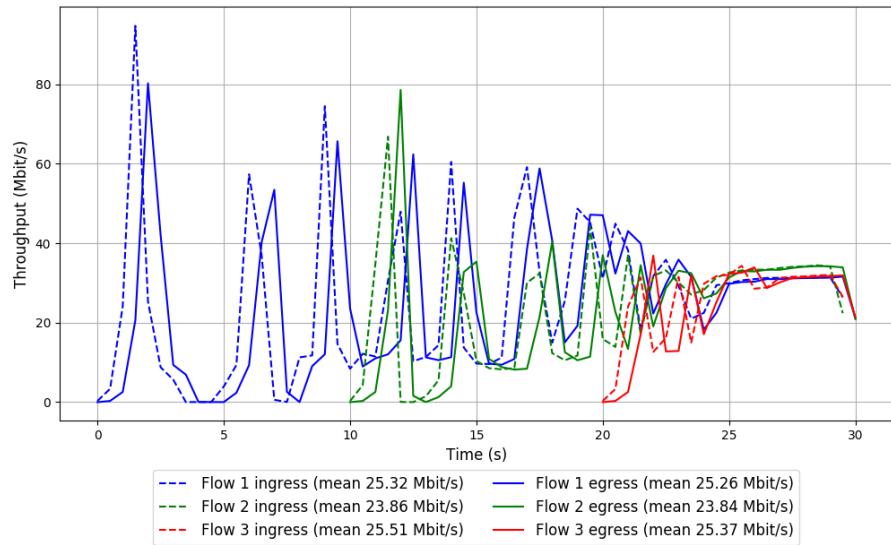
Figure is missing

Run 1: Statistics of QUIC Cubic

```
Start at: 2018-05-25 12:19:57
End at: 2018-05-25 12:20:27
Local clock offset: -8.212 ms
Remote clock offset: 10.396 ms

# Below is generated by plot.py at 2018-05-25 15:35:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 105.789 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 106.277 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 104.547 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 114.919 ms
Loss rate: 2.19%
```

Run 1: Report of QUIC Cubic — Data Link

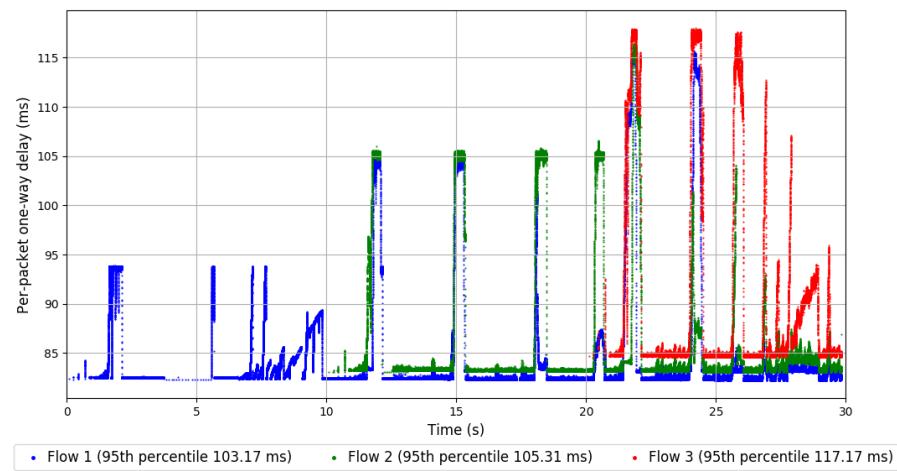
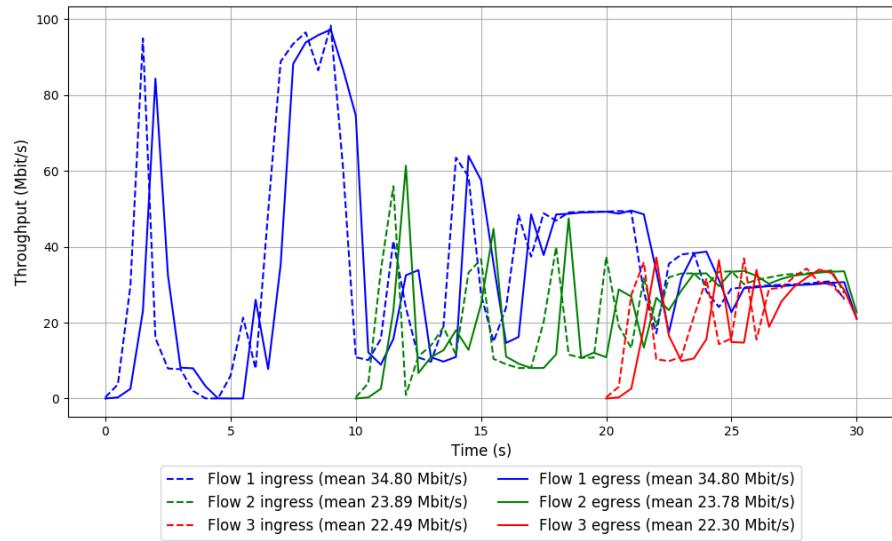


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-25 12:39:36
End at: 2018-05-25 12:40:06
Local clock offset: -7.321 ms
Remote clock offset: 9.401 ms

# Below is generated by plot.py at 2018-05-25 15:35:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 105.465 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 103.174 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 105.307 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 117.174 ms
Loss rate: 2.50%
```

Run 2: Report of QUIC Cubic — Data Link

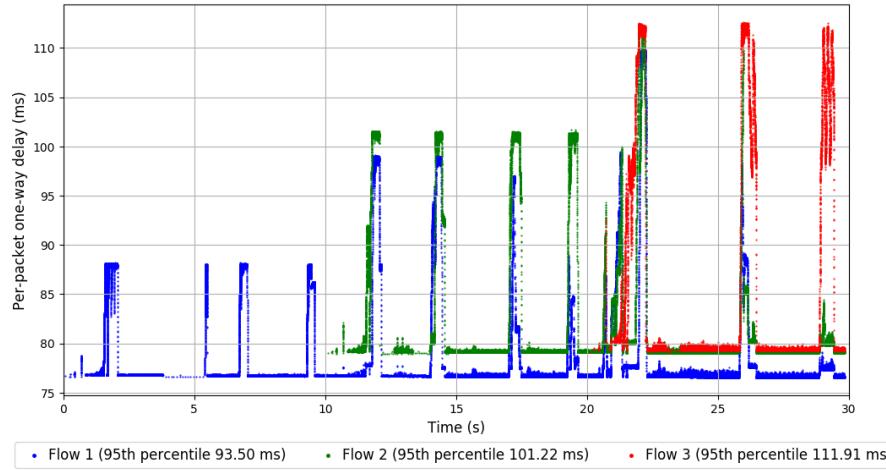
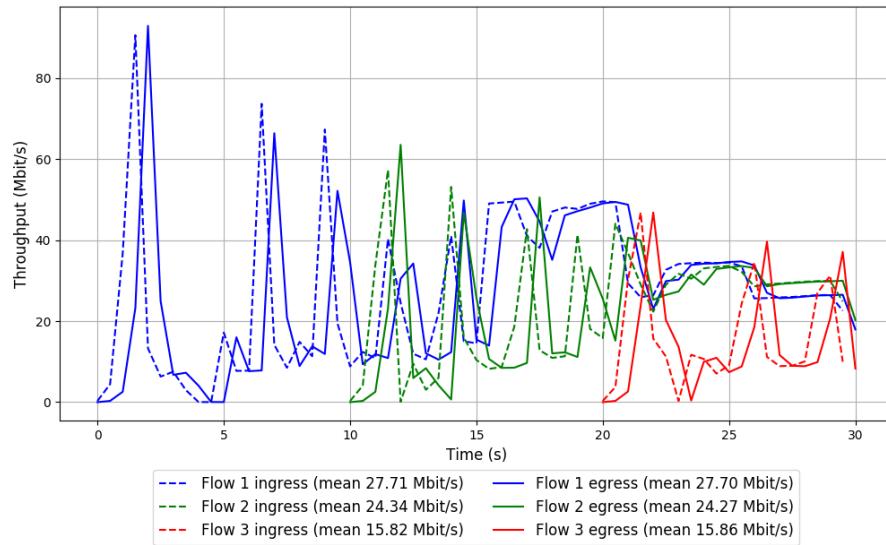


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-25 12:59:15
End at: 2018-05-25 12:59:45
Local clock offset: -6.234 ms
Remote clock offset: 8.963 ms

# Below is generated by plot.py at 2018-05-25 15:35:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 101.261 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 93.499 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 101.221 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 111.907 ms
Loss rate: 1.42%
```

Run 3: Report of QUIC Cubic — Data Link

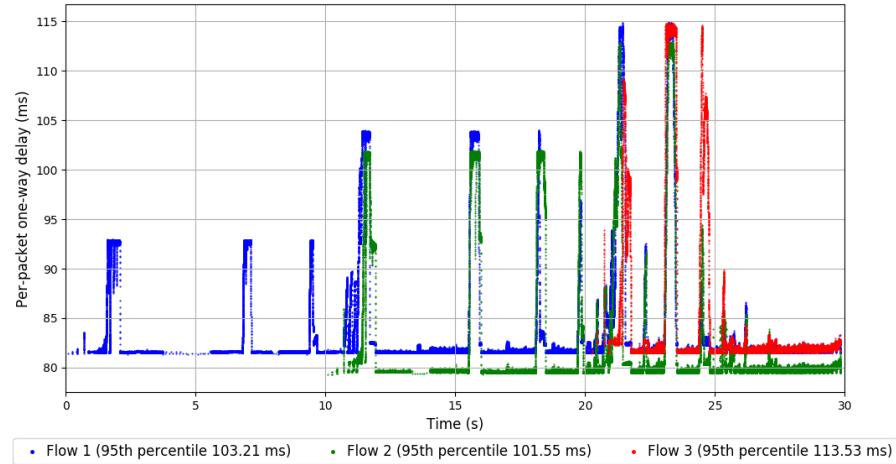
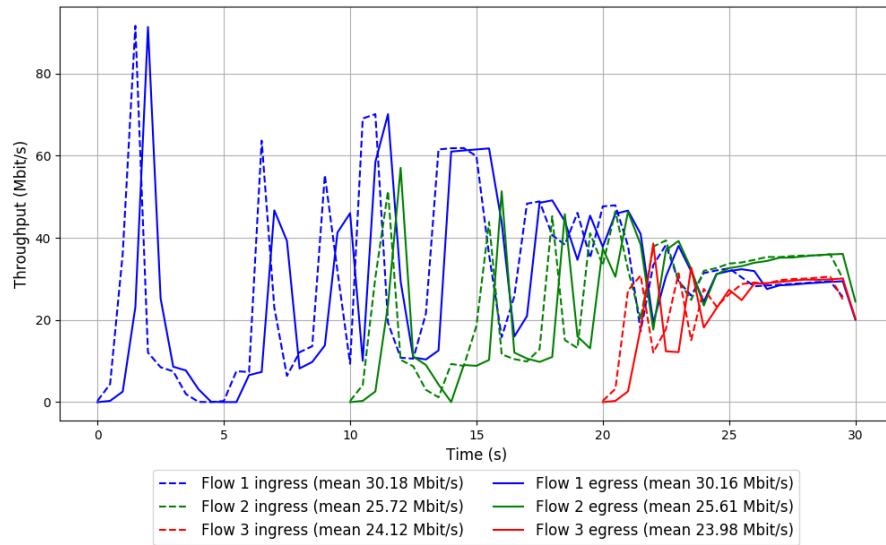


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-25 13:18:53
End at: 2018-05-25 13:19:23
Local clock offset: -2.085 ms
Remote clock offset: 6.632 ms

# Below is generated by plot.py at 2018-05-25 15:35:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 103.218 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 103.213 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 101.545 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 113.534 ms
Loss rate: 2.24%
```

Run 4: Report of QUIC Cubic — Data Link

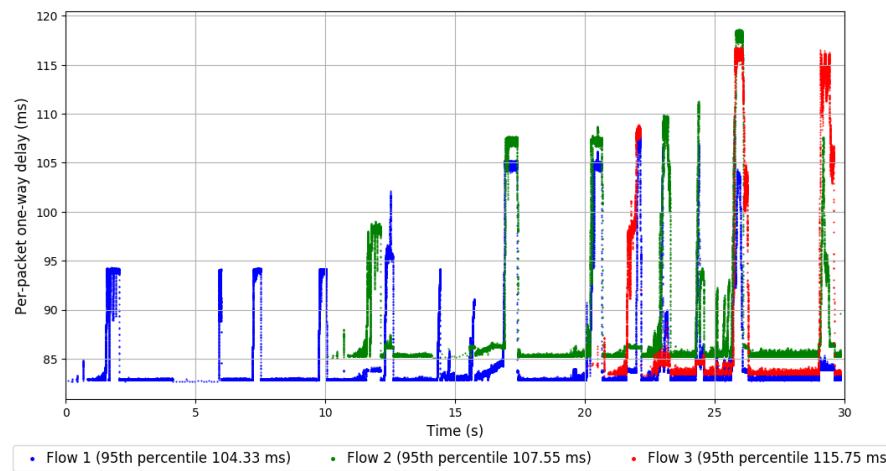
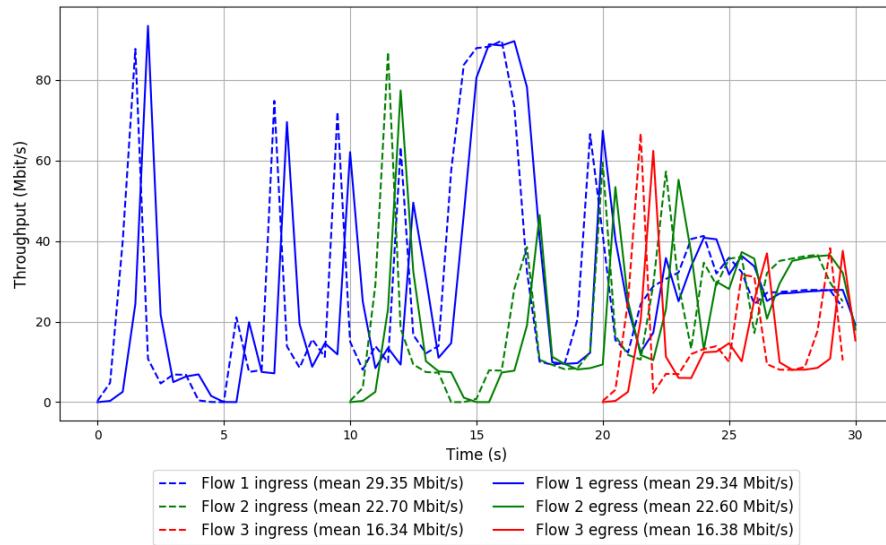


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-25 13:38:32
End at: 2018-05-25 13:39:02
Local clock offset: -0.048 ms
Remote clock offset: 3.568 ms

# Below is generated by plot.py at 2018-05-25 15:35:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.68 Mbit/s
95th percentile per-packet one-way delay: 107.271 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 104.335 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 107.551 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 115.755 ms
Loss rate: 1.40%
```

Run 5: Report of QUIC Cubic — Data Link

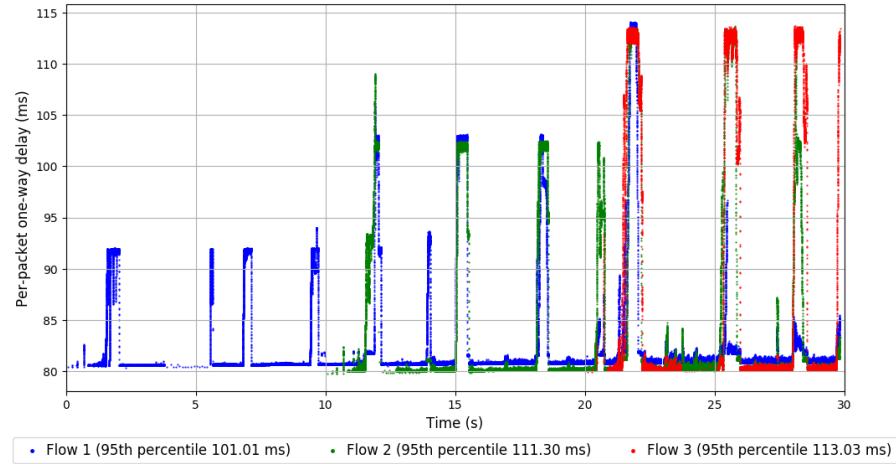
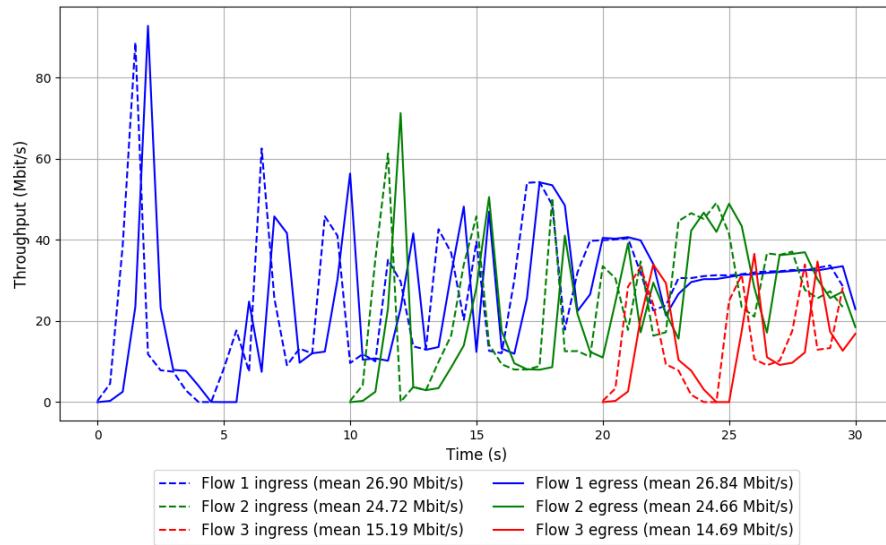


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-25 13:58:12
End at: 2018-05-25 13:58:42
Local clock offset: -0.597 ms
Remote clock offset: 9.088 ms

# Below is generated by plot.py at 2018-05-25 15:35:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 111.240 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 101.007 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 111.295 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 113.030 ms
Loss rate: 4.90%
```

Run 6: Report of QUIC Cubic — Data Link

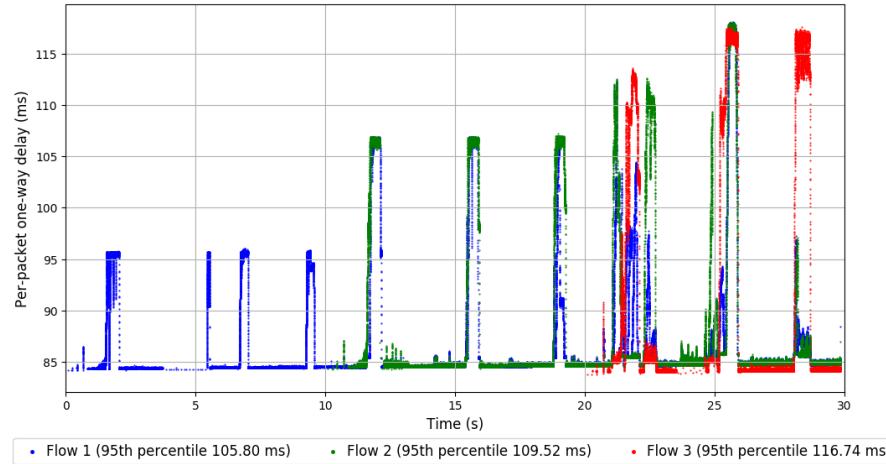
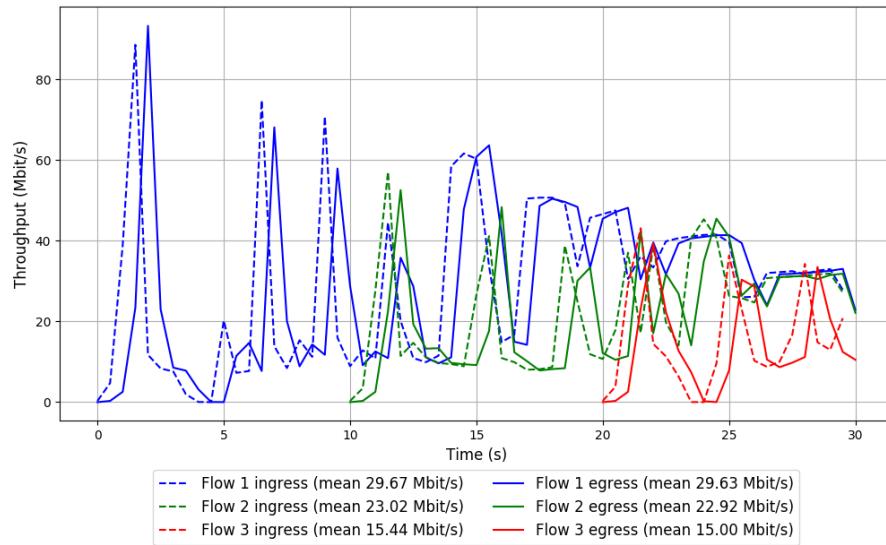


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-25 14:17:50
End at: 2018-05-25 14:18:20
Local clock offset: -7.25 ms
Remote clock offset: 4.522 ms

# Below is generated by plot.py at 2018-05-25 15:35:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: 110.110 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 105.799 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 109.517 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 116.744 ms
Loss rate: 4.48%
```

Run 7: Report of QUIC Cubic — Data Link

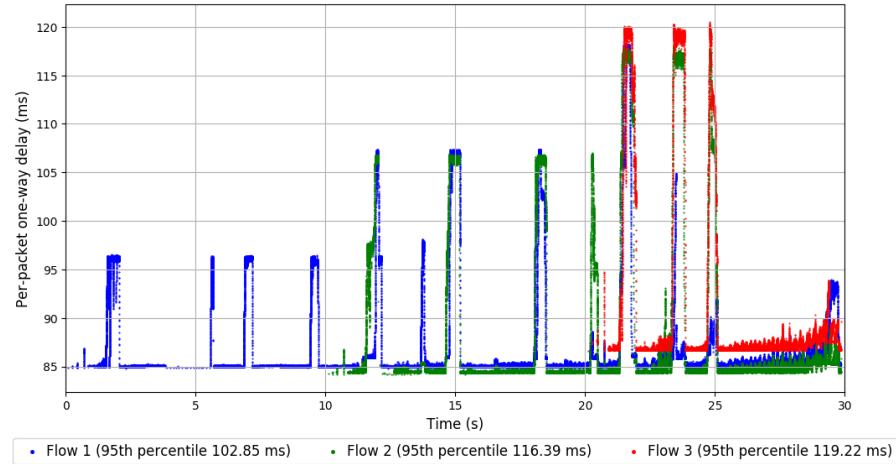
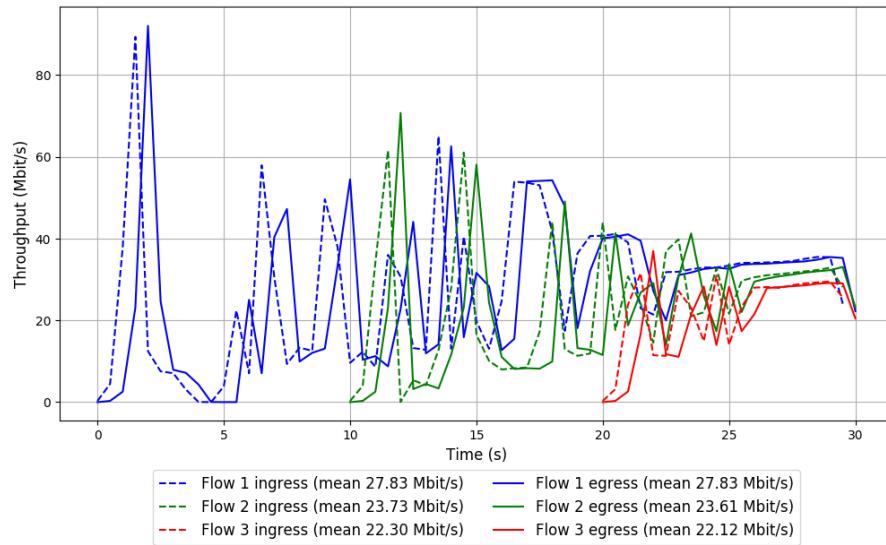


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-25 14:37:29
End at: 2018-05-25 14:37:59
Local clock offset: -3.84 ms
Remote clock offset: 10.728 ms

# Below is generated by plot.py at 2018-05-25 15:35:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 110.386 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 102.848 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 116.385 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 119.215 ms
Loss rate: 2.40%
```

Run 8: Report of QUIC Cubic — Data Link

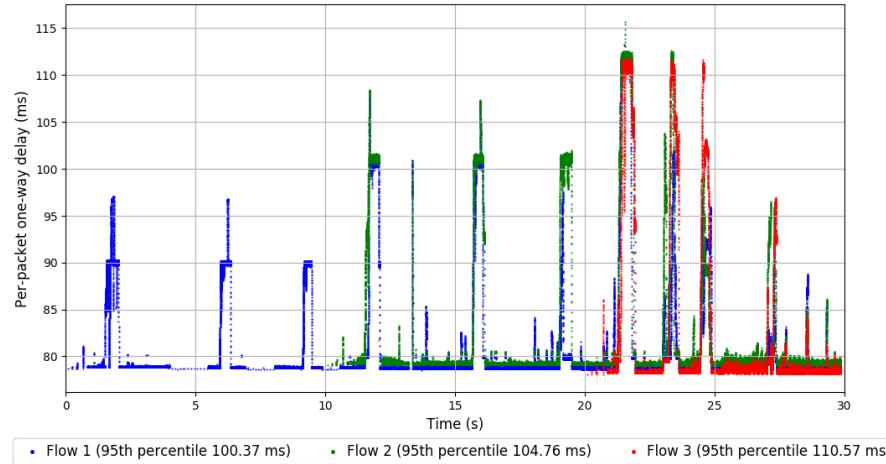
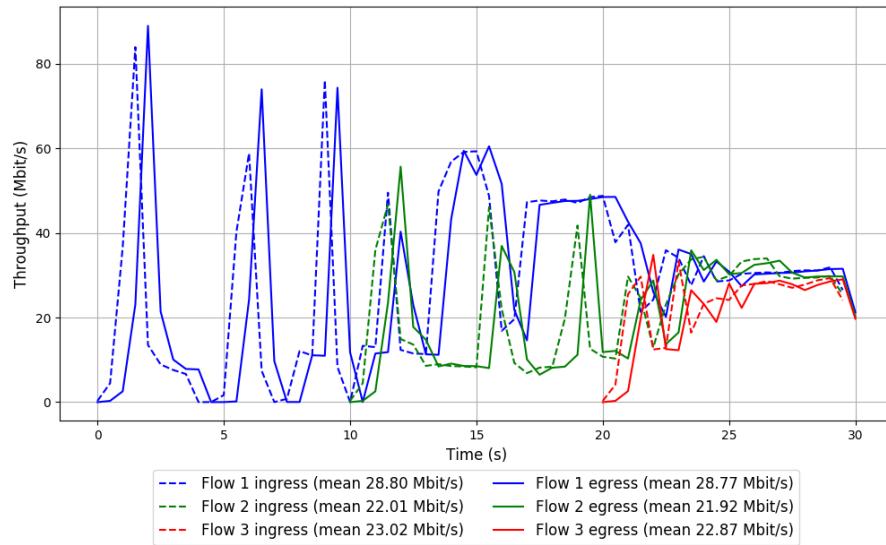


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-25 14:57:07
End at: 2018-05-25 14:57:37
Local clock offset: -3.335 ms
Remote clock offset: 13.059 ms

# Below is generated by plot.py at 2018-05-25 15:35:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 101.508 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 100.367 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 104.760 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 110.567 ms
Loss rate: 2.26%
```

Run 9: Report of QUIC Cubic — Data Link

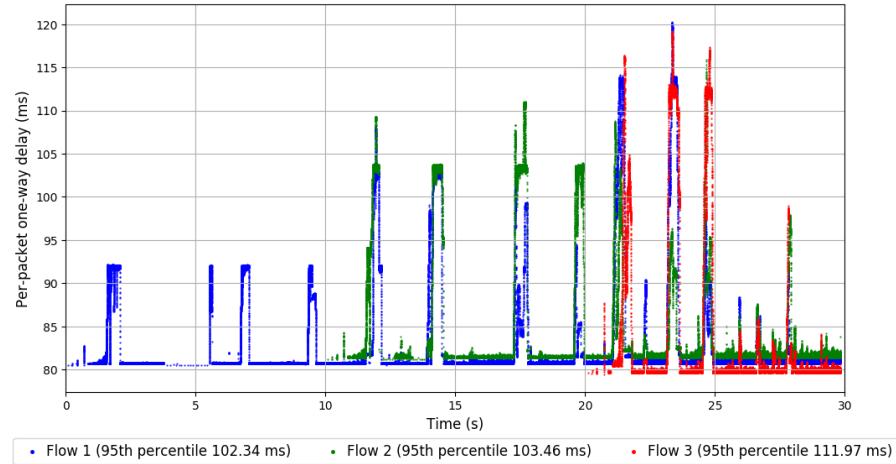
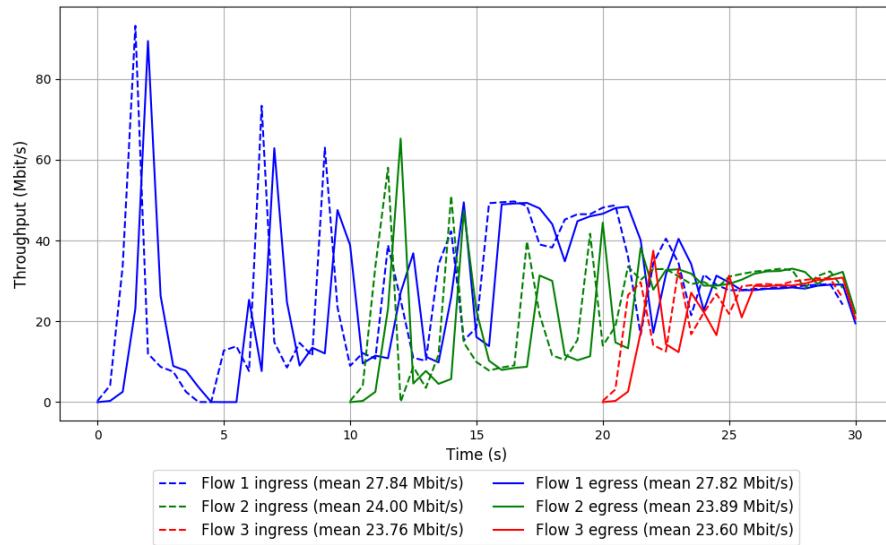


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-25 15:16:46
End at: 2018-05-25 15:17:16
Local clock offset: -3.079 ms
Remote clock offset: 7.764 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 103.343 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 102.342 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 103.459 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 111.971 ms
Loss rate: 2.28%
```

Run 10: Report of QUIC Cubic — Data Link

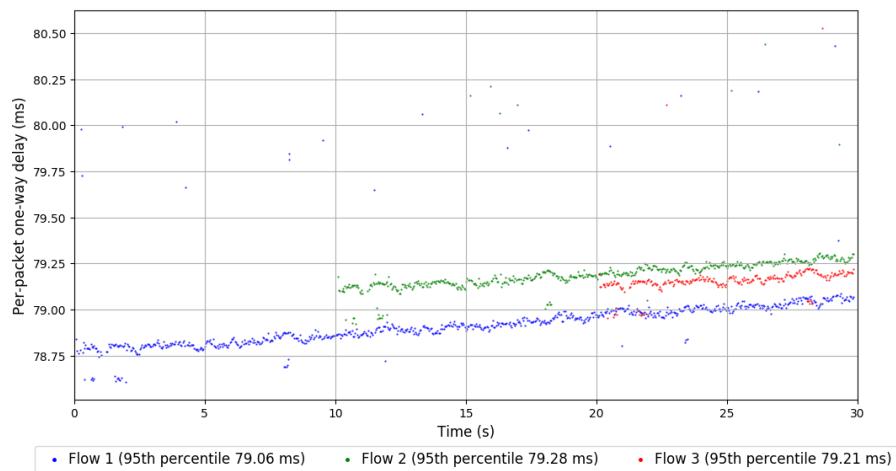
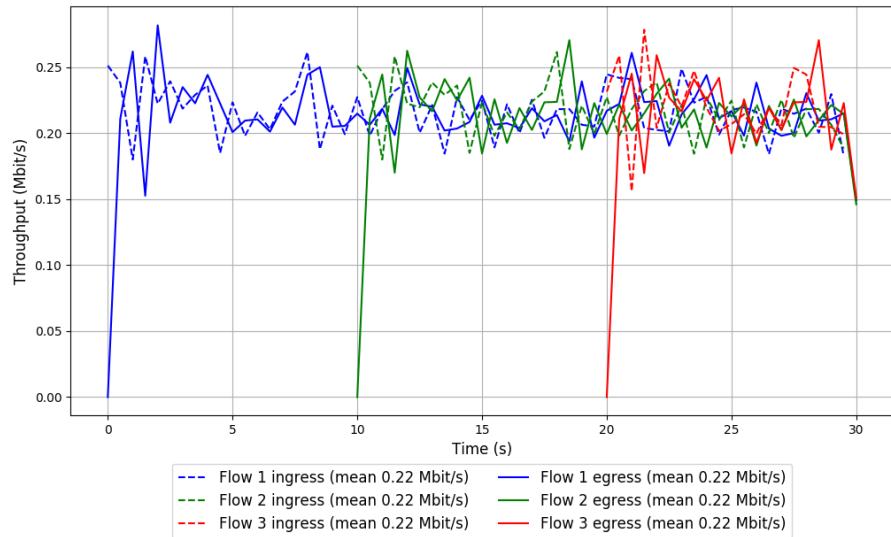


```
Run 1: Statistics of SCReAM

Start at: 2018-05-25 12:07:43
End at: 2018-05-25 12:08:13
Local clock offset: -6.097 ms
Remote clock offset: 10.702 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 79.263 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.063 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.282 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.214 ms
Loss rate: 1.45%
```

Run 1: Report of SCReAM — Data Link

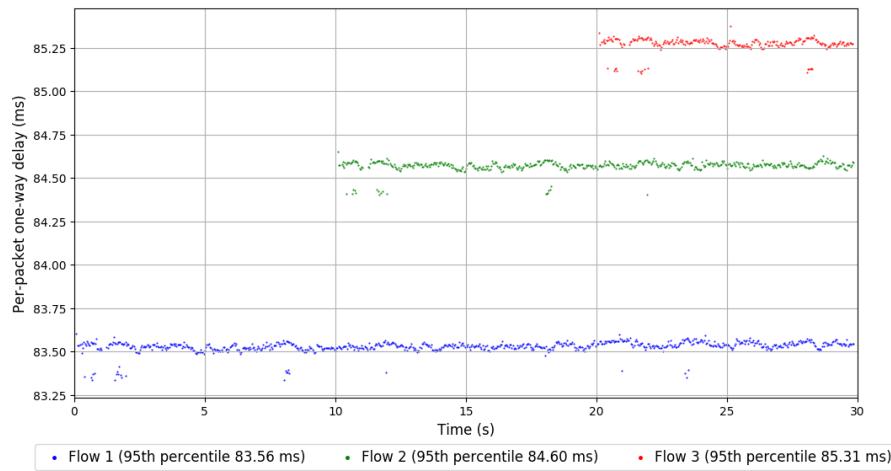
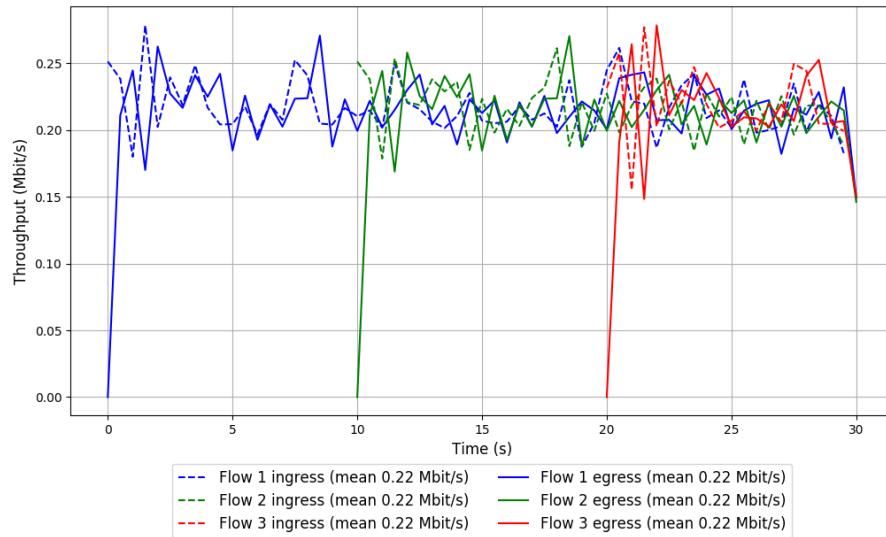


Run 2: Statistics of SCReAM

```
Start at: 2018-05-25 12:27:22
End at: 2018-05-25 12:27:52
Local clock offset: -7.646 ms
Remote clock offset: 11.683 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.289 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.564 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.599 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.307 ms
Loss rate: 1.84%
```

Run 2: Report of SCReAM — Data Link

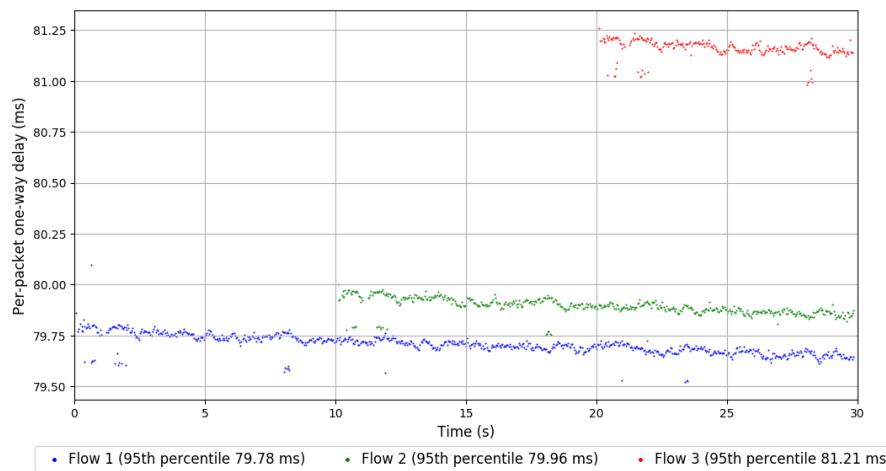
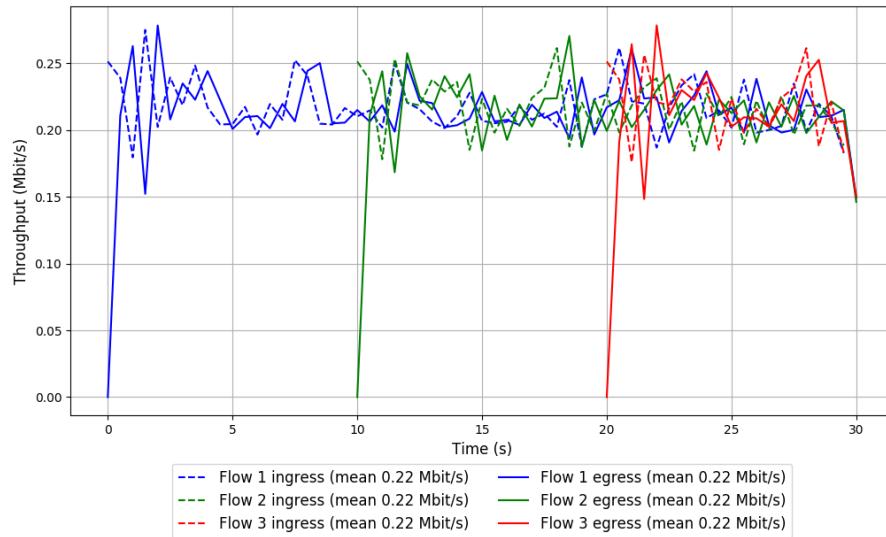


Run 3: Statistics of SCReAM

```
Start at: 2018-05-25 12:47:02
End at: 2018-05-25 12:47:32
Local clock offset: -7.356 ms
Remote clock offset: 9.268 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.185 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.780 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.958 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.210 ms
Loss rate: 1.84%
```

Run 3: Report of SCReAM — Data Link

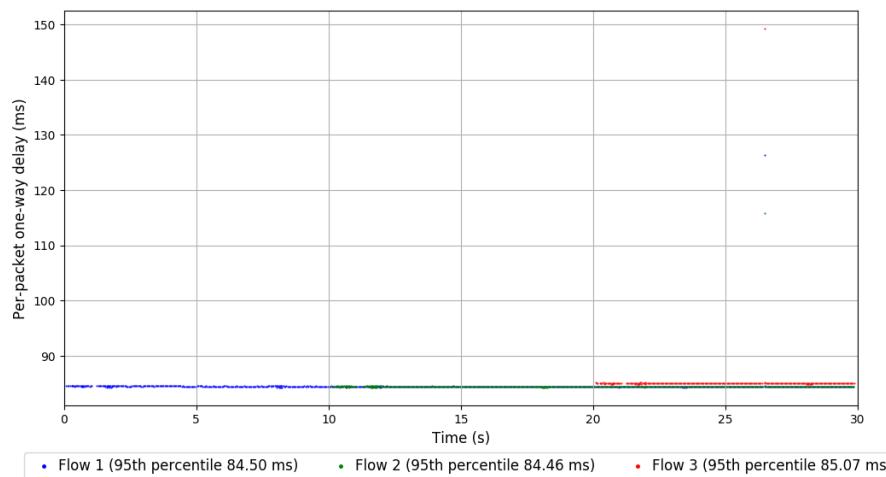
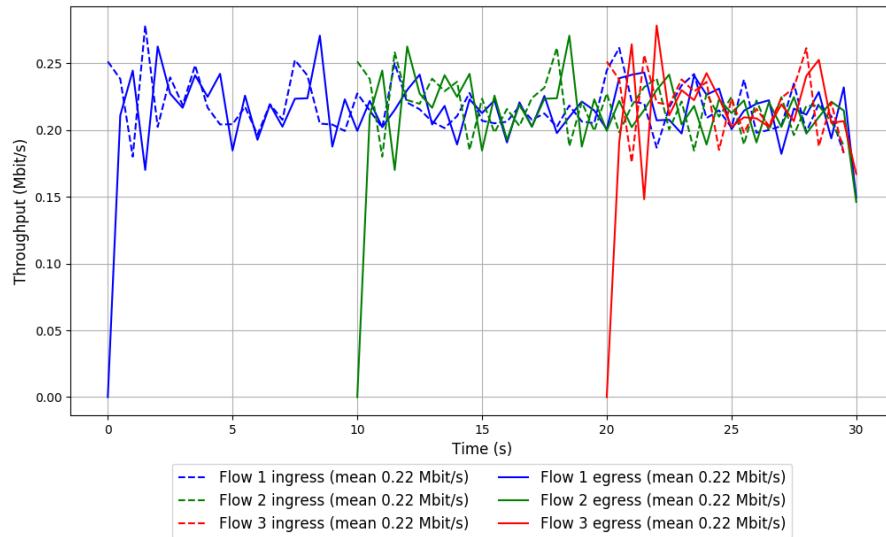


Run 4: Statistics of SCReAM

```
Start at: 2018-05-25 13:06:40
End at: 2018-05-25 13:07:10
Local clock offset: -3.098 ms
Remote clock offset: 3.79 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.043 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.497 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.462 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.069 ms
Loss rate: 1.45%
```

Run 4: Report of SCReAM — Data Link

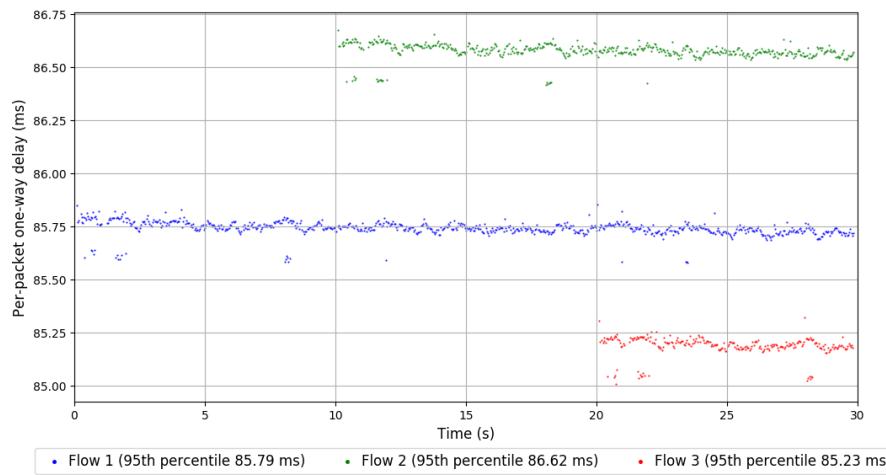
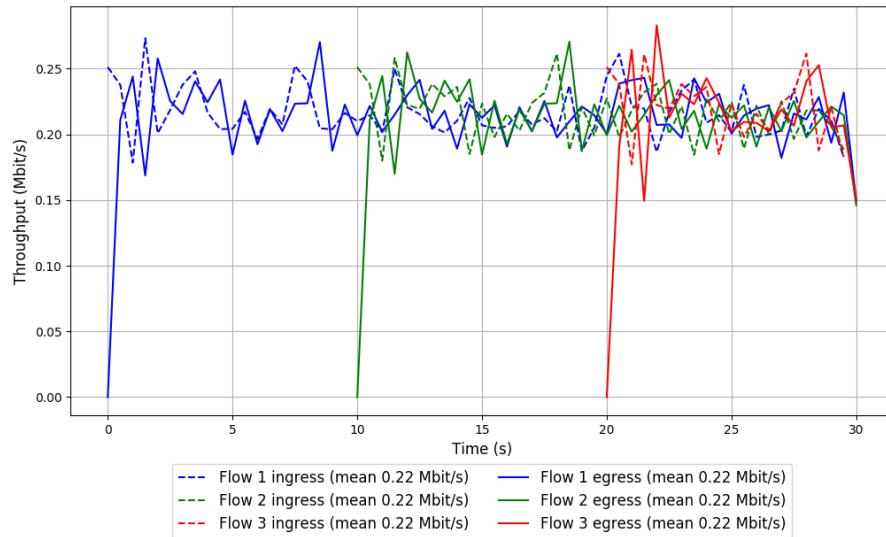


Run 5: Statistics of SCReAM

```
Start at: 2018-05-25 13:26:19
End at: 2018-05-25 13:26:49
Local clock offset: 0.016 ms
Remote clock offset: 2.853 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.607 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.788 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.619 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.231 ms
Loss rate: 1.84%
```

Run 5: Report of SCReAM — Data Link

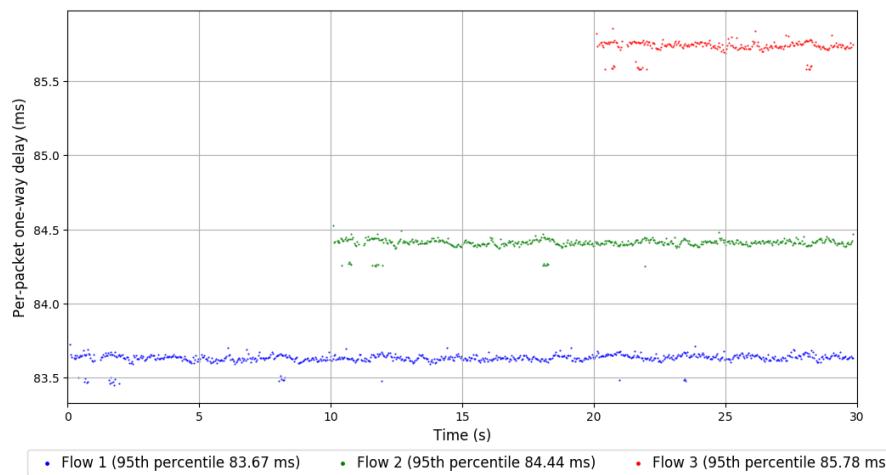
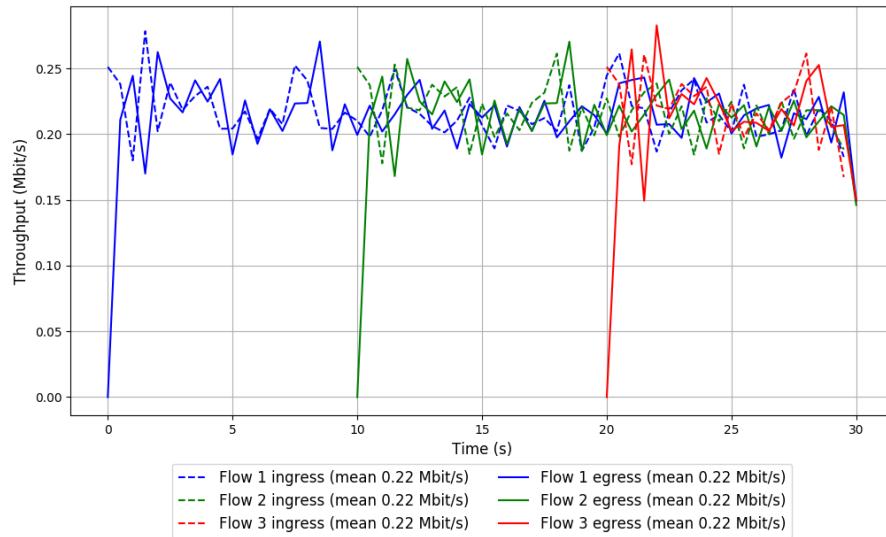


Run 6: Statistics of SCReAM

```
Start at: 2018-05-25 13:45:58
End at: 2018-05-25 13:46:28
Local clock offset: 1.115 ms
Remote clock offset: 3.793 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.757 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.668 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.443 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.776 ms
Loss rate: 1.49%
```

Run 6: Report of SCReAM — Data Link

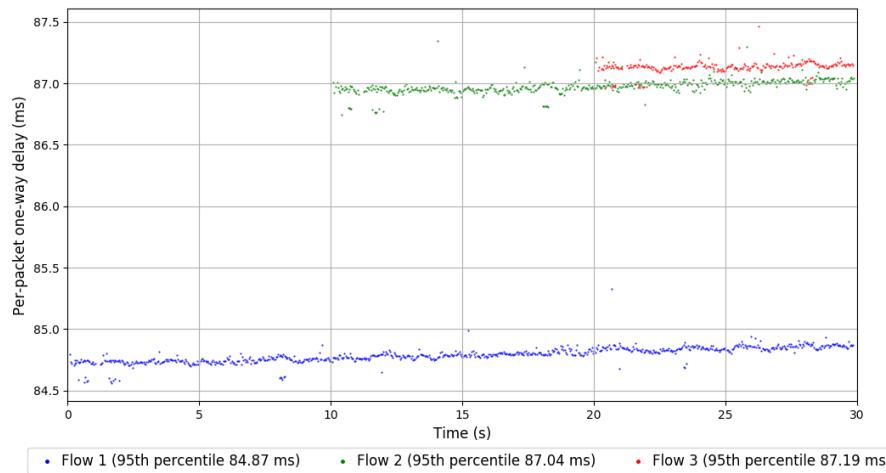
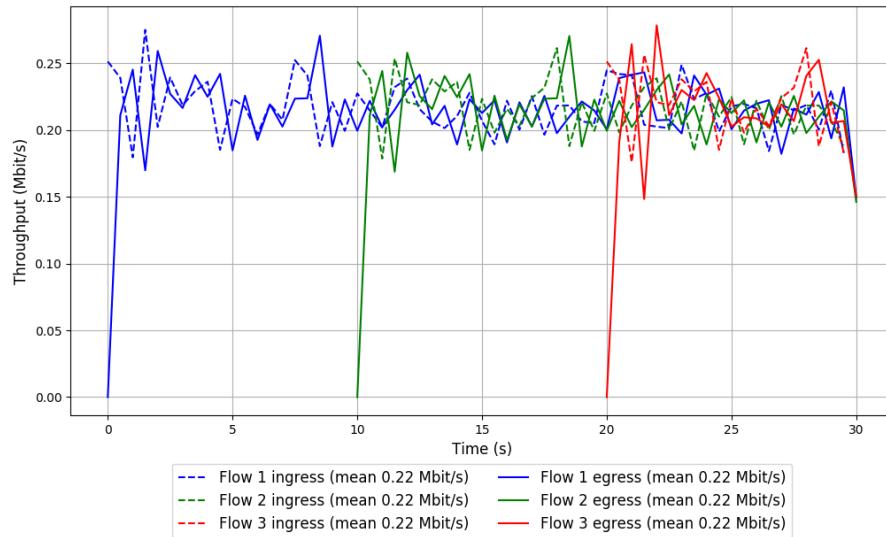


Run 7: Statistics of SCReAM

```
Start at: 2018-05-25 14:05:37
End at: 2018-05-25 14:06:07
Local clock offset: -4.436 ms
Remote clock offset: 3.54 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.147 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.870 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.041 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.192 ms
Loss rate: 1.84%
```

Run 7: Report of SCReAM — Data Link

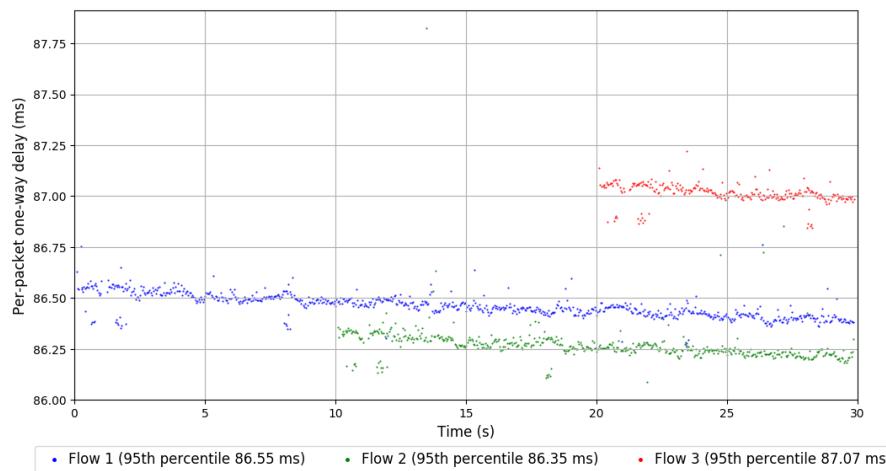
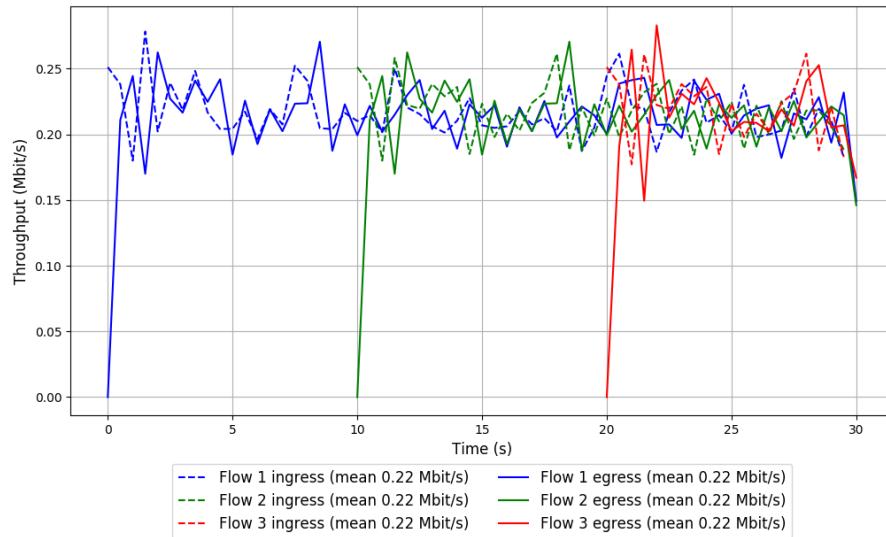


Run 8: Statistics of SCReAM

```
Start at: 2018-05-25 14:25:16
End at: 2018-05-25 14:25:46
Local clock offset: -8.234 ms
Remote clock offset: 7.31 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.038 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.554 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.346 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.073 ms
Loss rate: 1.45%
```

Run 8: Report of SCReAM — Data Link

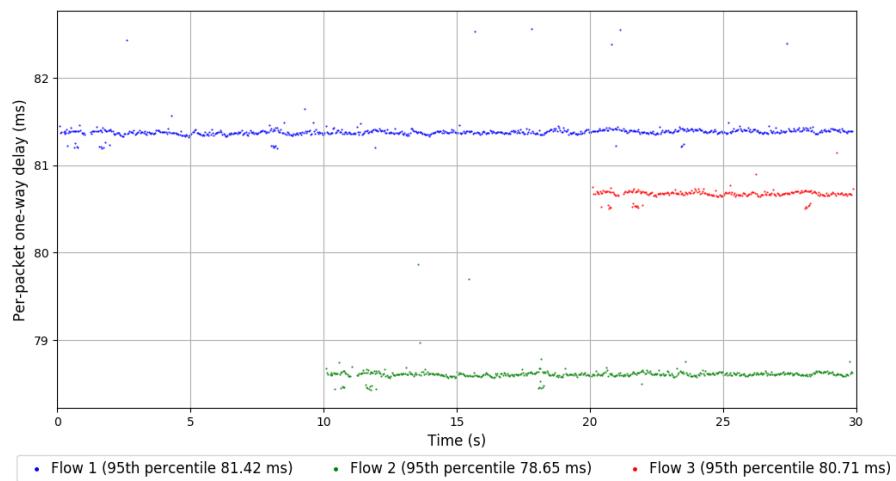
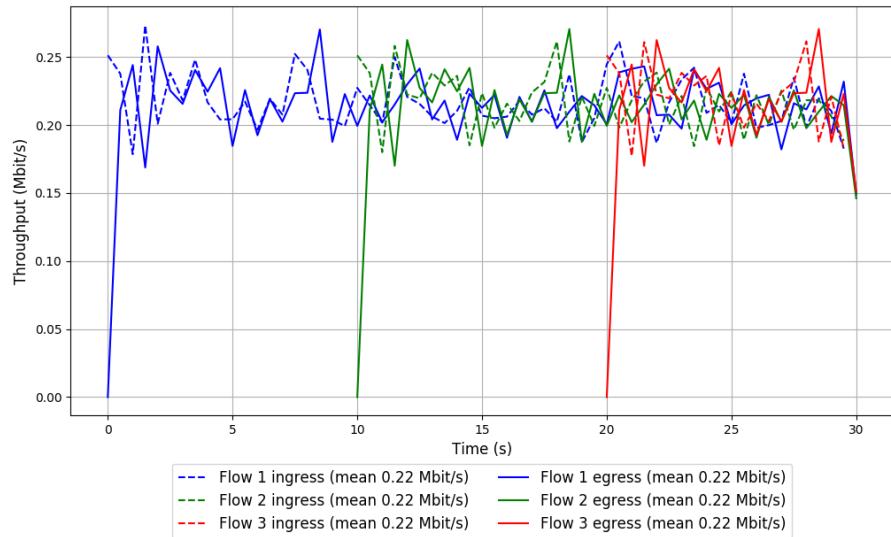


Run 9: Statistics of SCReAM

```
Start at: 2018-05-25 14:44:54
End at: 2018-05-25 14:45:24
Local clock offset: -3.876 ms
Remote clock offset: 16.498 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.411 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.424 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.646 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.714 ms
Loss rate: 1.45%
```

Run 9: Report of SCReAM — Data Link

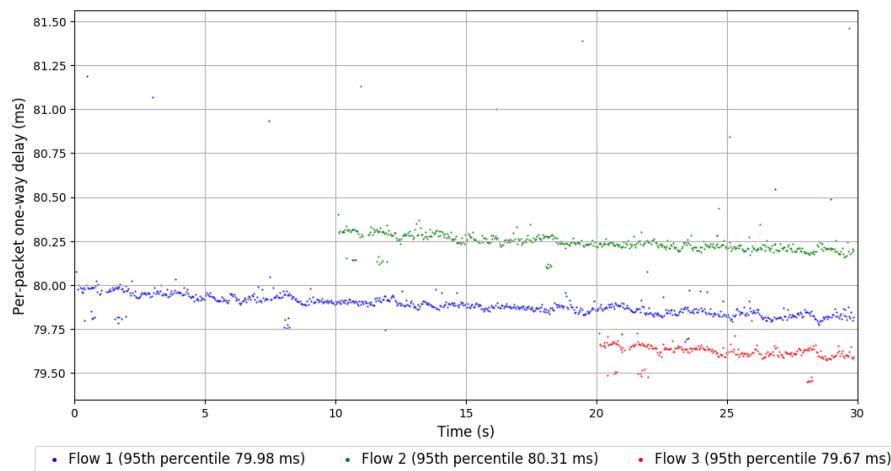
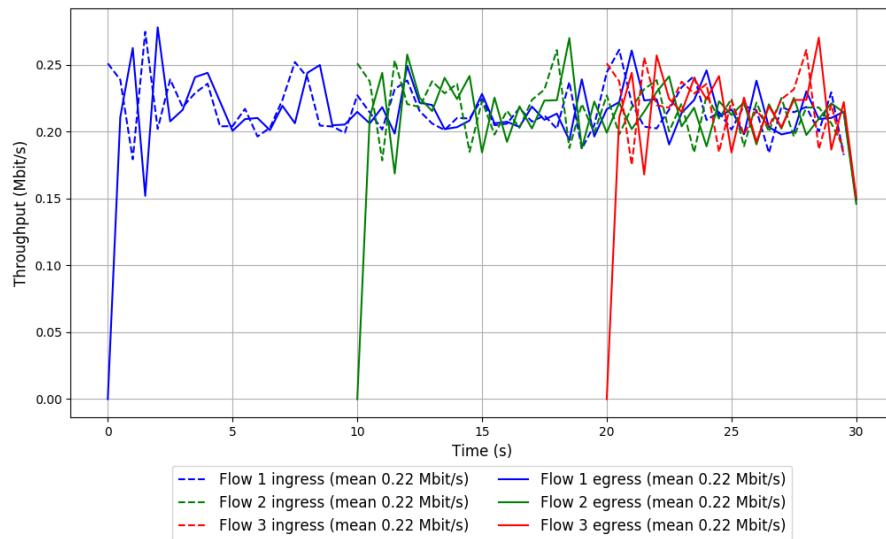


Run 10: Statistics of SCReAM

```
Start at: 2018-05-25 15:04:33
End at: 2018-05-25 15:05:03
Local clock offset: -3.215 ms
Remote clock offset: 8.999 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.291 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.981 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.311 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.674 ms
Loss rate: 1.45%
```

Run 10: Report of SCReAM — Data Link

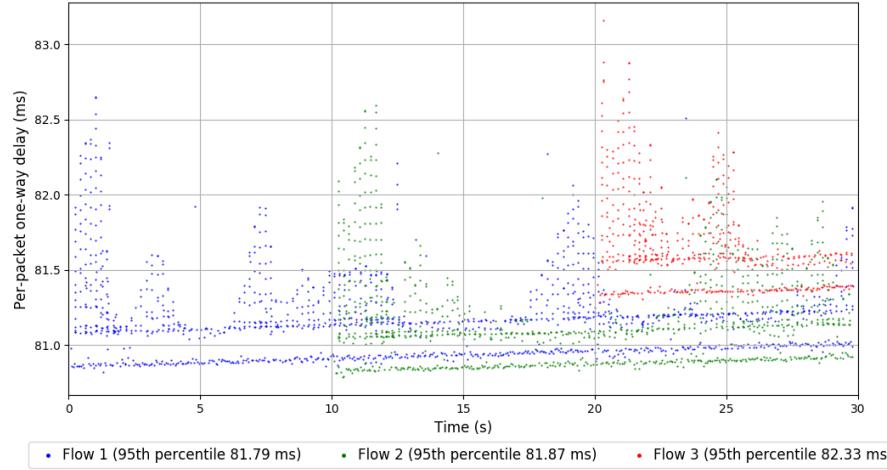
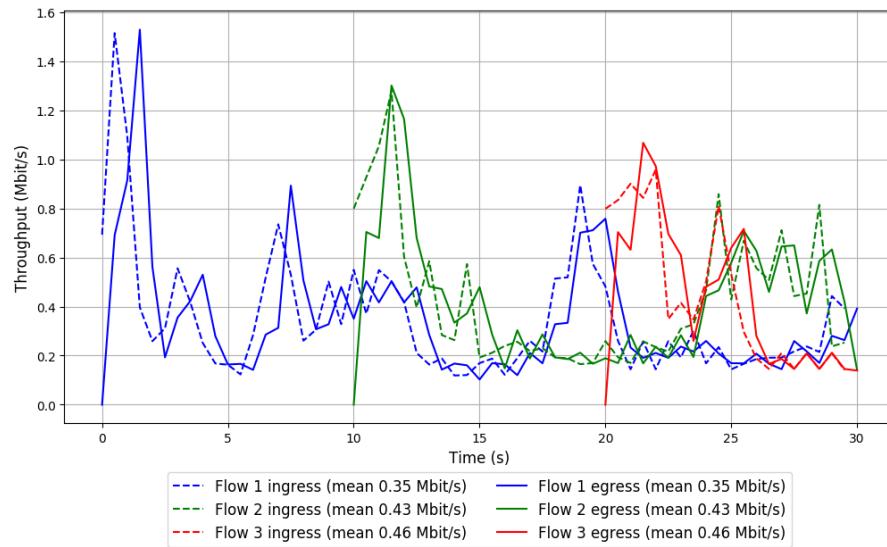


Run 1: Statistics of Sprout

```
Start at: 2018-05-25 12:17:31
End at: 2018-05-25 12:18:01
Local clock offset: -7.243 ms
Remote clock offset: 13.819 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 82.007 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 81.787 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.874 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 82.326 ms
Loss rate: 0.76%
```

Run 1: Report of Sprout — Data Link

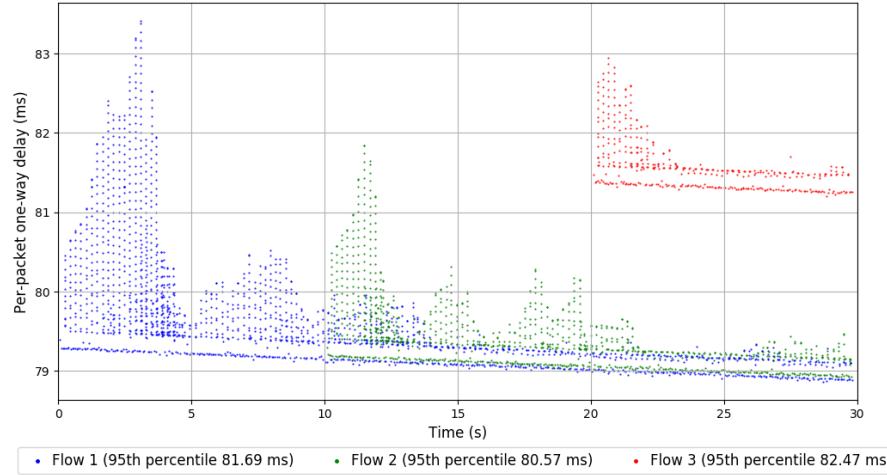
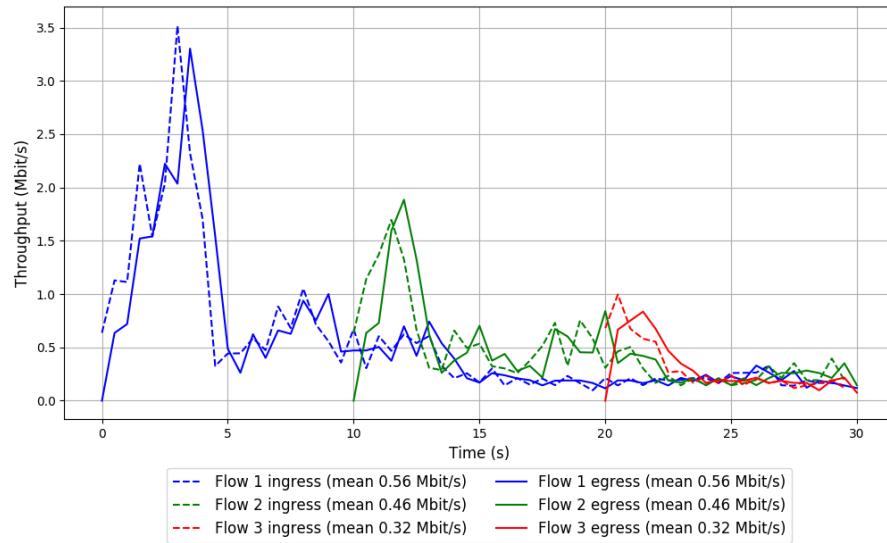


Run 2: Statistics of Sprout

```
Start at: 2018-05-25 12:37:10
End at: 2018-05-25 12:37:40
Local clock offset: -6.491 ms
Remote clock offset: 15.233 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 81.803 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 81.686 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 80.568 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 82.469 ms
Loss rate: 0.74%
```

Run 2: Report of Sprout — Data Link

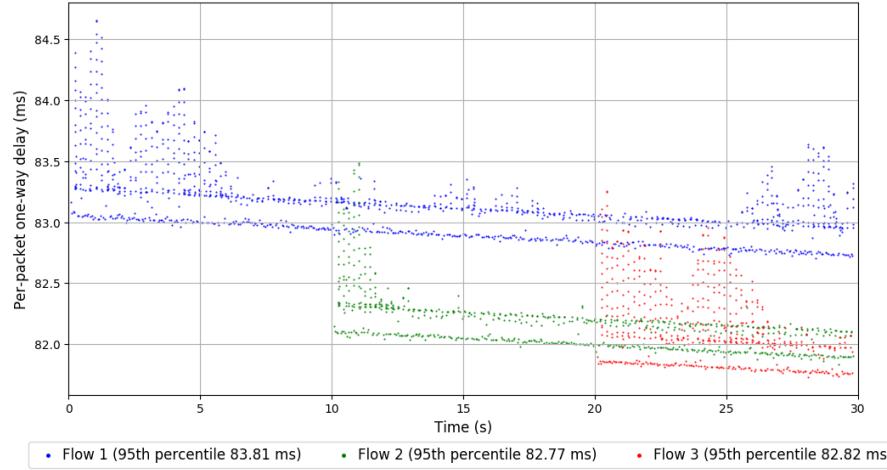
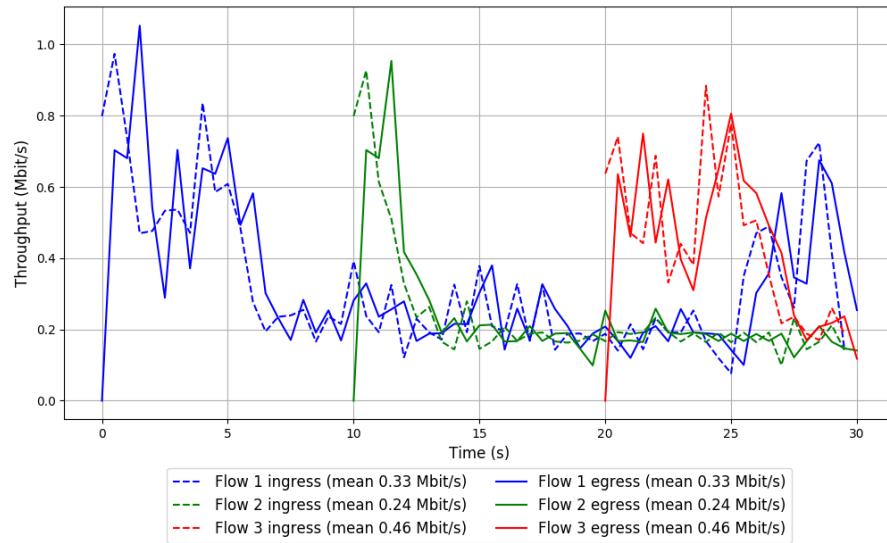


Run 3: Statistics of Sprout

```
Start at: 2018-05-25 12:56:49
End at: 2018-05-25 12:57:19
Local clock offset: -7.509 ms
Remote clock offset: 4.607 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 83.586 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 83.812 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 82.765 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 82.821 ms
Loss rate: 1.06%
```

Run 3: Report of Sprout — Data Link

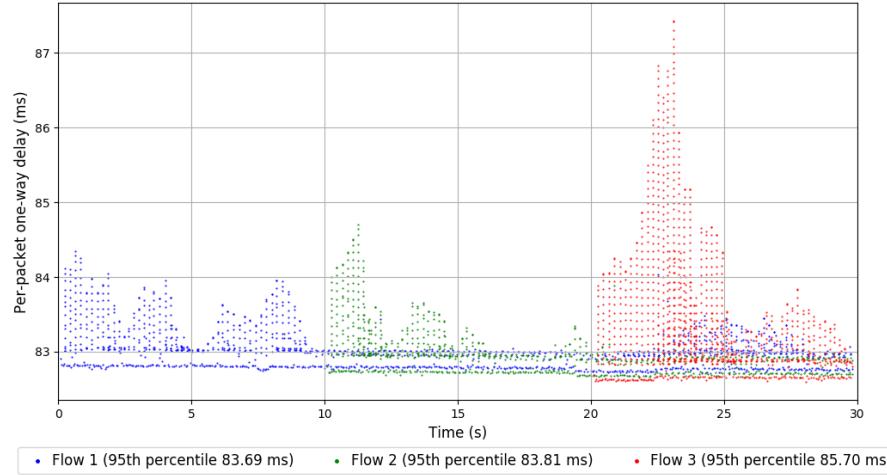
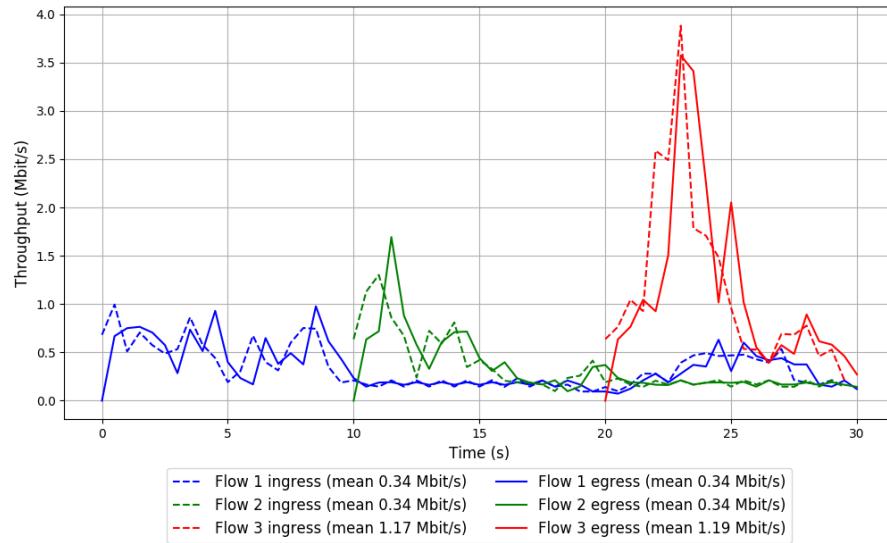


Run 4: Statistics of Sprout

```
Start at: 2018-05-25 13:16:28
End at: 2018-05-25 13:16:58
Local clock offset: -1.557 ms
Remote clock offset: 3.984 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 84.542 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 83.687 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 83.805 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 85.697 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link

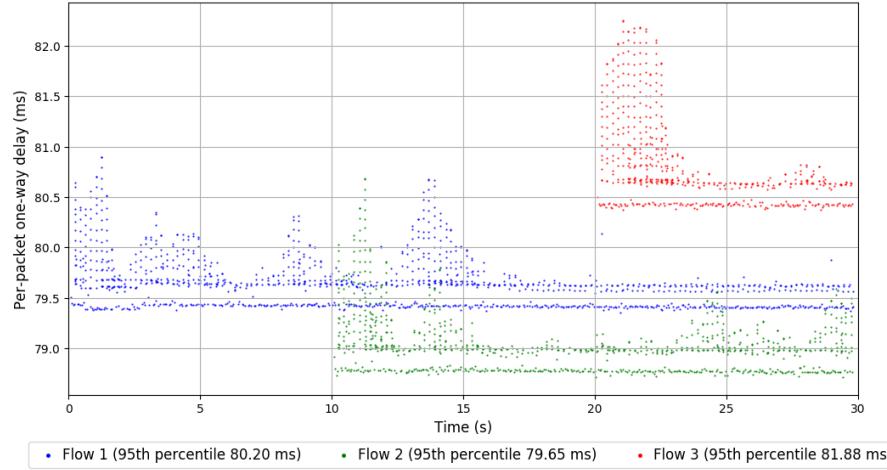
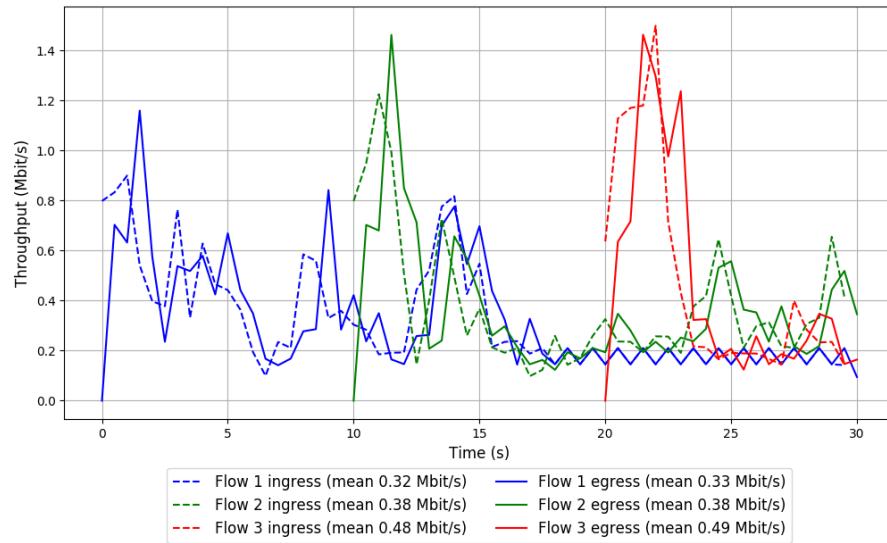


Run 5: Statistics of Sprout

```
Start at: 2018-05-25 13:36:07
End at: 2018-05-25 13:36:37
Local clock offset: -0.228 ms
Remote clock offset: 7.479 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 81.026 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 80.199 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 79.653 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 81.875 ms
Loss rate: 0.74%
```

Run 5: Report of Sprout — Data Link

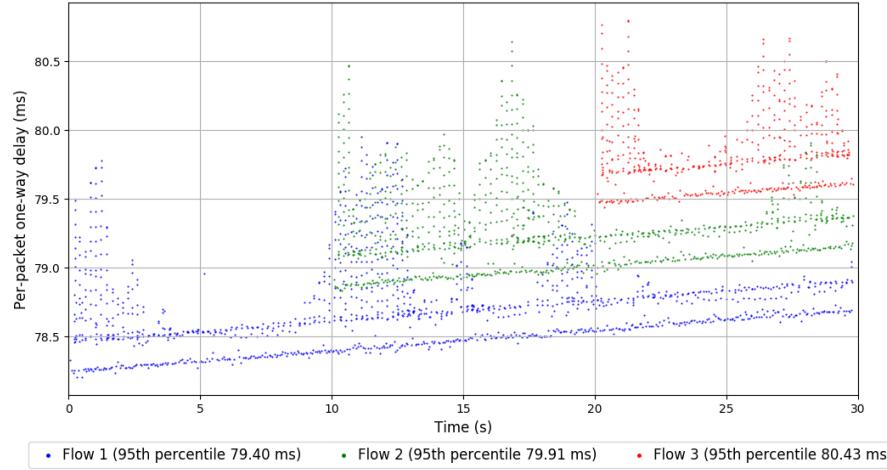
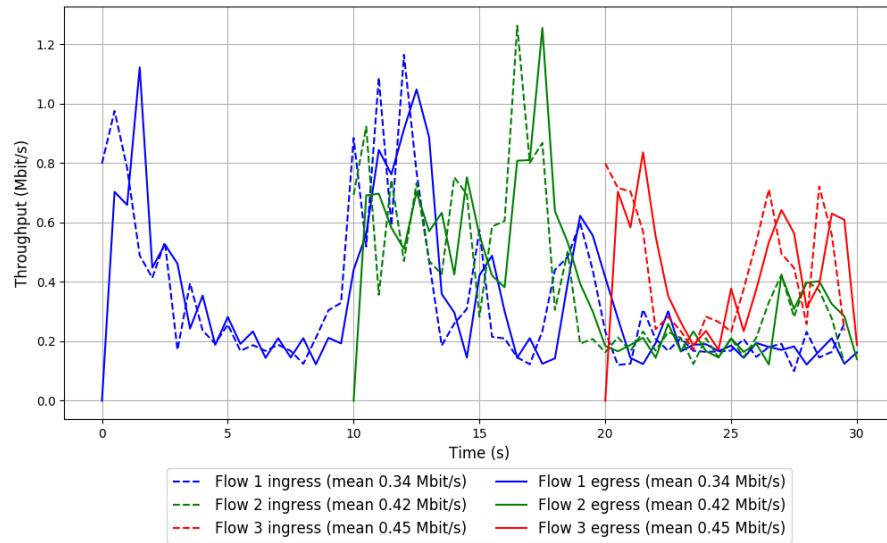


Run 6: Statistics of Sprout

```
Start at: 2018-05-25 13:55:46
End at: 2018-05-25 13:56:16
Local clock offset: -0.268 ms
Remote clock offset: 8.093 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 80.053 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 79.400 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 79.906 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 80.430 ms
Loss rate: 1.06%
```

Run 6: Report of Sprout — Data Link

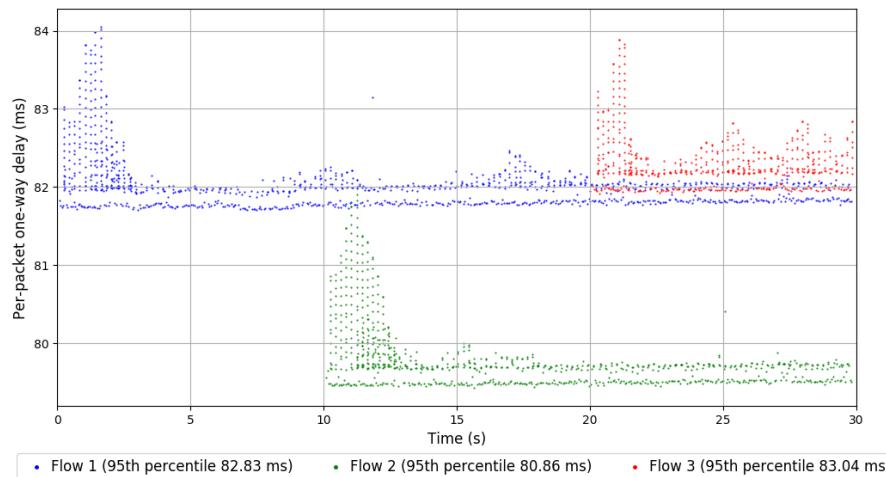
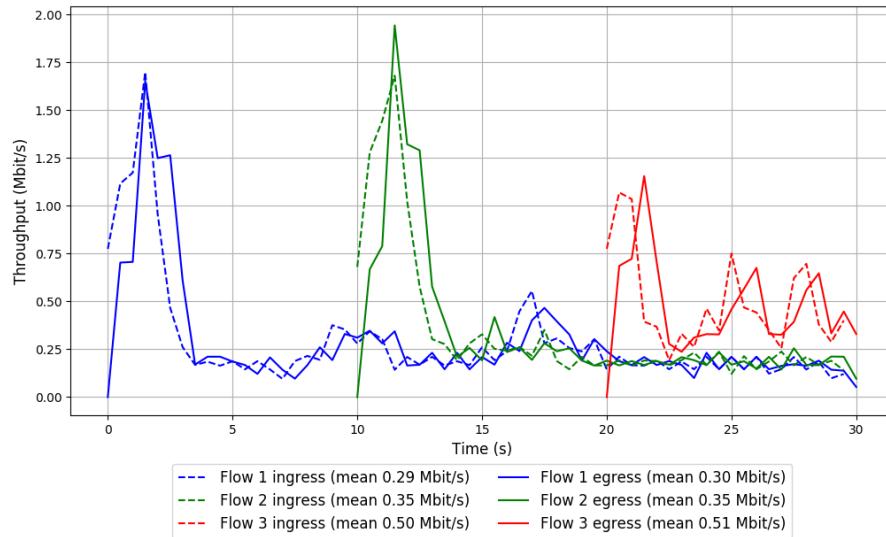


Run 7: Statistics of Sprout

```
Start at: 2018-05-25 14:15:25
End at: 2018-05-25 14:15:55
Local clock offset: -6.862 ms
Remote clock offset: 8.173 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 82.732 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 82.835 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 80.859 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 83.043 ms
Loss rate: 0.75%
```

Run 7: Report of Sprout — Data Link

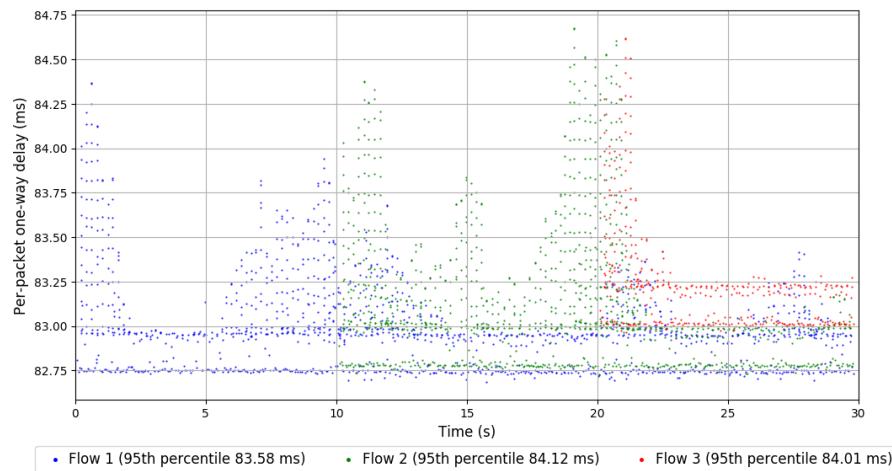
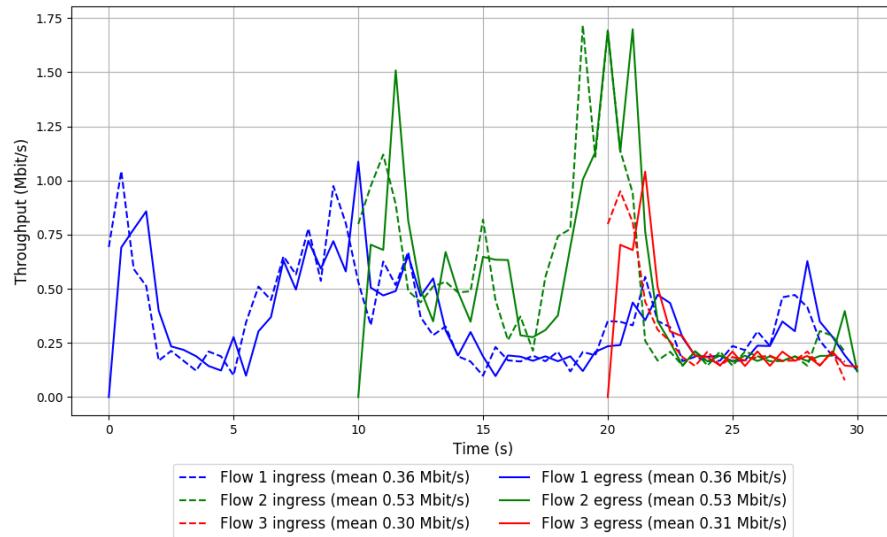


Run 8: Statistics of Sprout

```
Start at: 2018-05-25 14:35:03
End at: 2018-05-25 14:35:33
Local clock offset: -5.093 ms
Remote clock offset: 10.932 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 83.904 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 83.577 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 84.118 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 84.013 ms
Loss rate: 0.08%
```

Run 8: Report of Sprout — Data Link

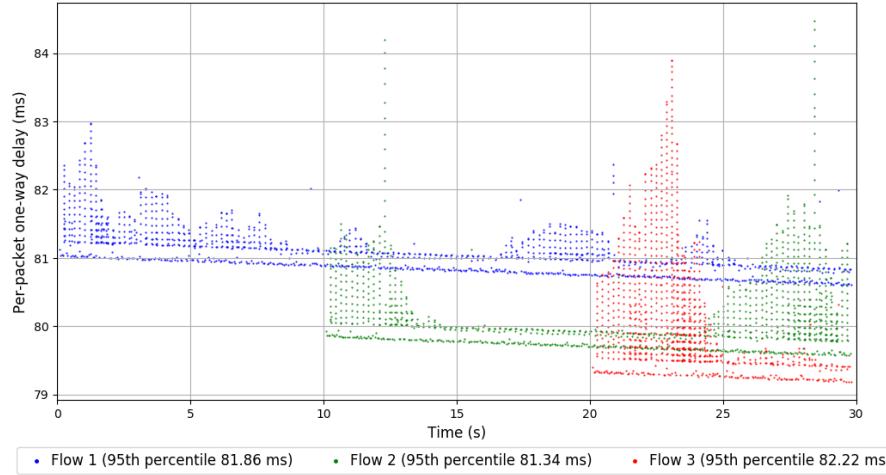
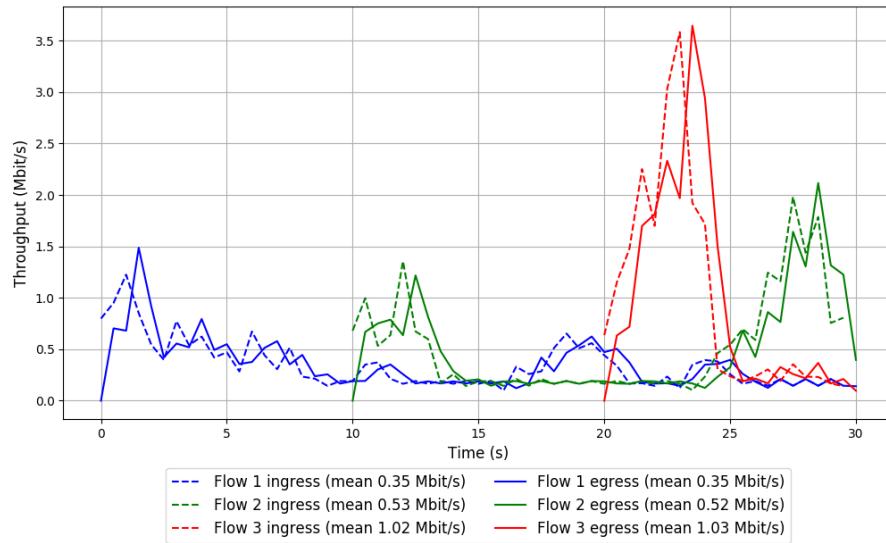


Run 9: Statistics of Sprout

```
Start at: 2018-05-25 14:54:41
End at: 2018-05-25 14:55:11
Local clock offset: -2.667 ms
Remote clock offset: 14.896 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 81.835 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 81.858 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 81.339 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 82.223 ms
Loss rate: 0.35%
```

Run 9: Report of Sprout — Data Link

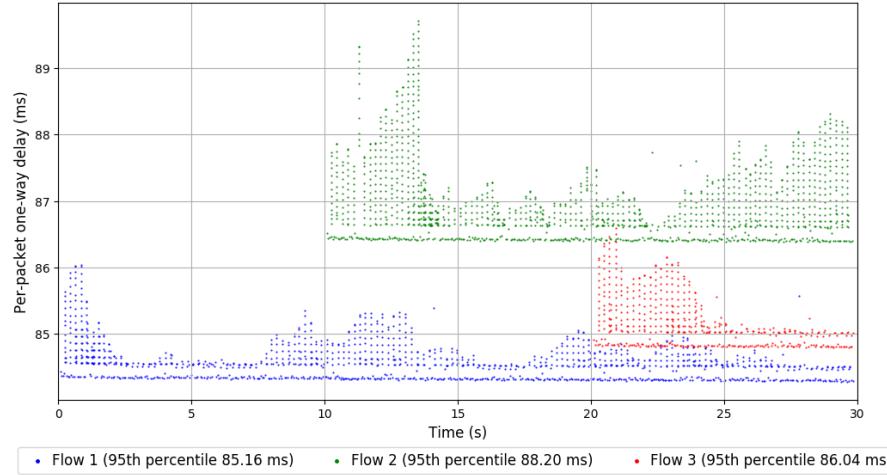
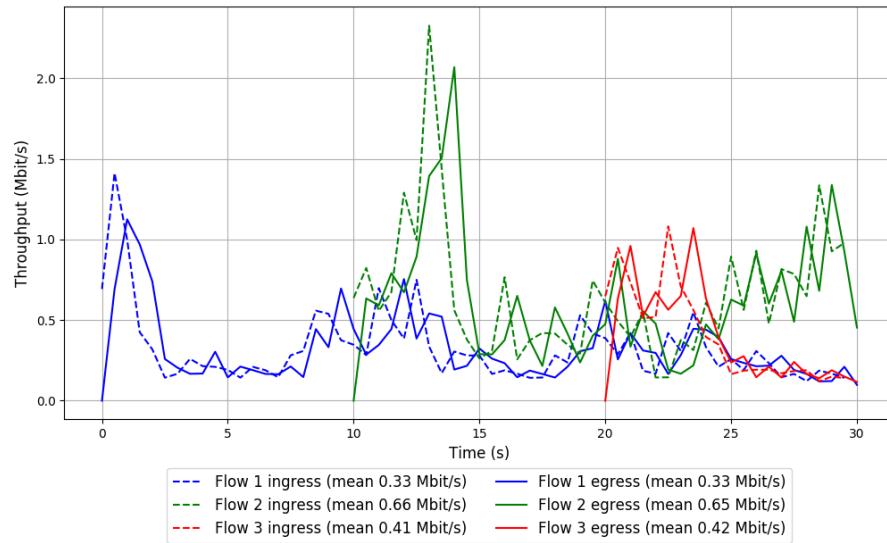


Run 10: Statistics of Sprout

```
Start at: 2018-05-25 15:14:21
End at: 2018-05-25 15:14:51
Local clock offset: -2.33 ms
Remote clock offset: 3.443 ms

# Below is generated by plot.py at 2018-05-25 15:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 87.750 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 85.157 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 88.201 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.038 ms
Loss rate: 0.33%
```

Run 10: Report of Sprout — Data Link

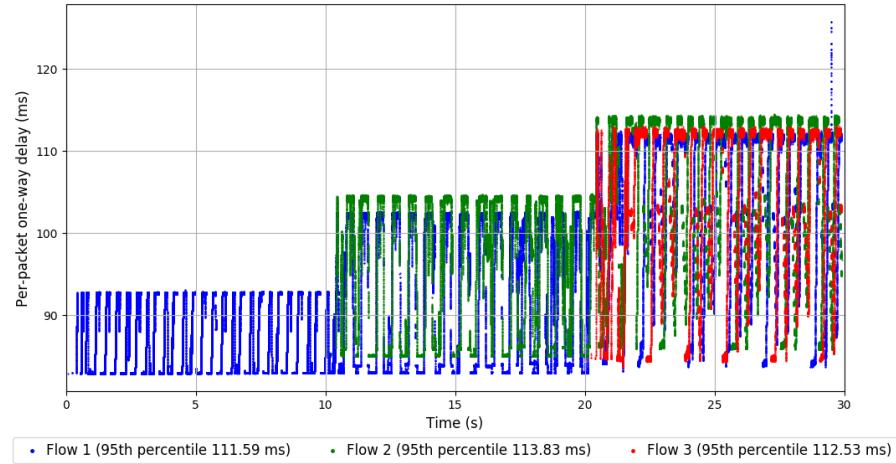
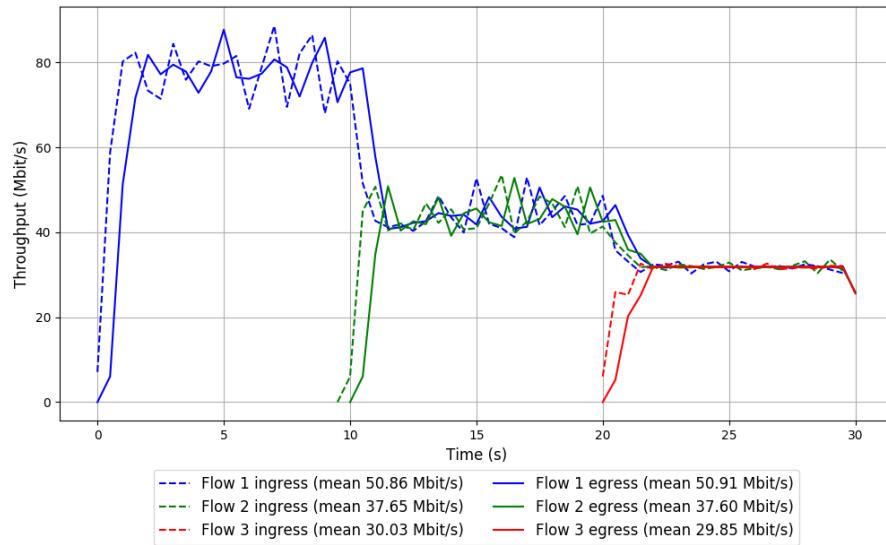


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-25 12:23:38
End at: 2018-05-25 12:24:08
Local clock offset: -7.701 ms
Remote clock offset: 11.2 ms

# Below is generated by plot.py at 2018-05-25 15:36:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 113.149 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 50.91 Mbit/s
95th percentile per-packet one-way delay: 111.589 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 113.835 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 112.525 ms
Loss rate: 2.23%
```

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

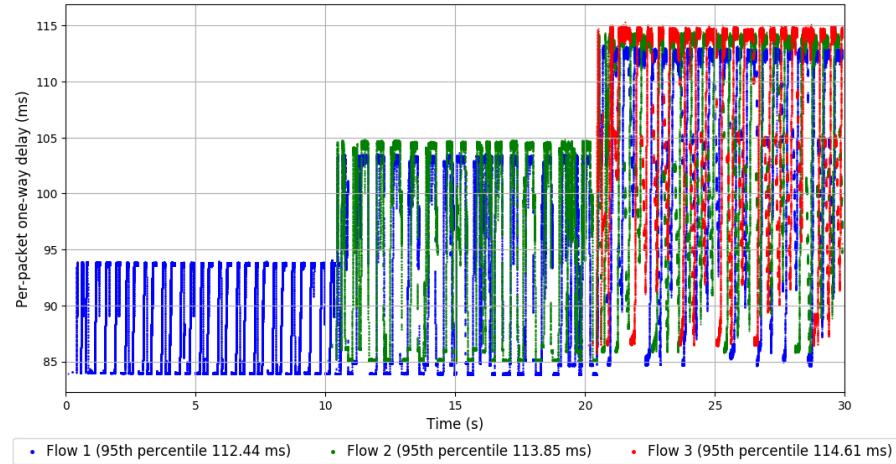
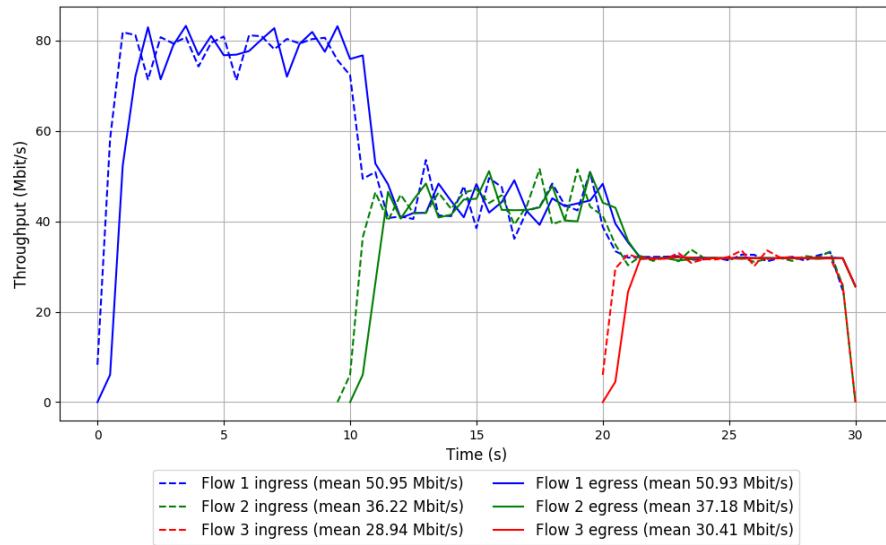


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-25 12:43:17
End at: 2018-05-25 12:43:47
Local clock offset: -7.302 ms
Remote clock offset: 6.737 ms

# Below is generated by plot.py at 2018-05-25 15:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 114.015 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 50.93 Mbit/s
95th percentile per-packet one-way delay: 112.438 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 113.854 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 114.605 ms
Loss rate: 1.52%
```

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

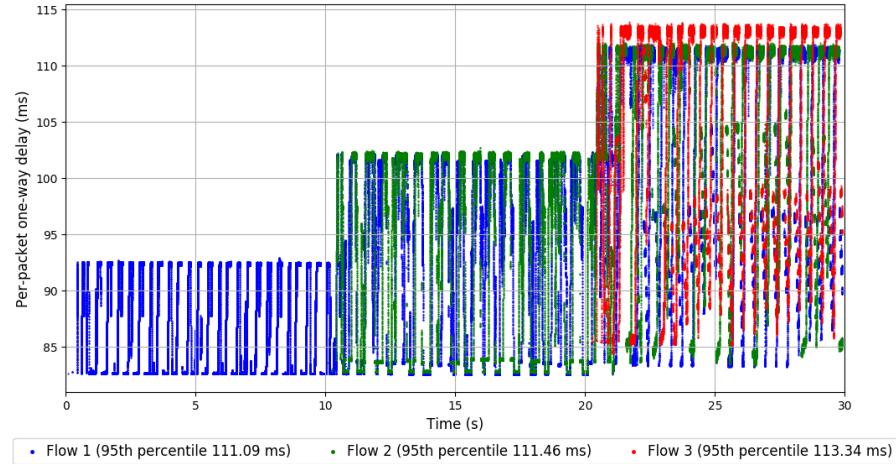
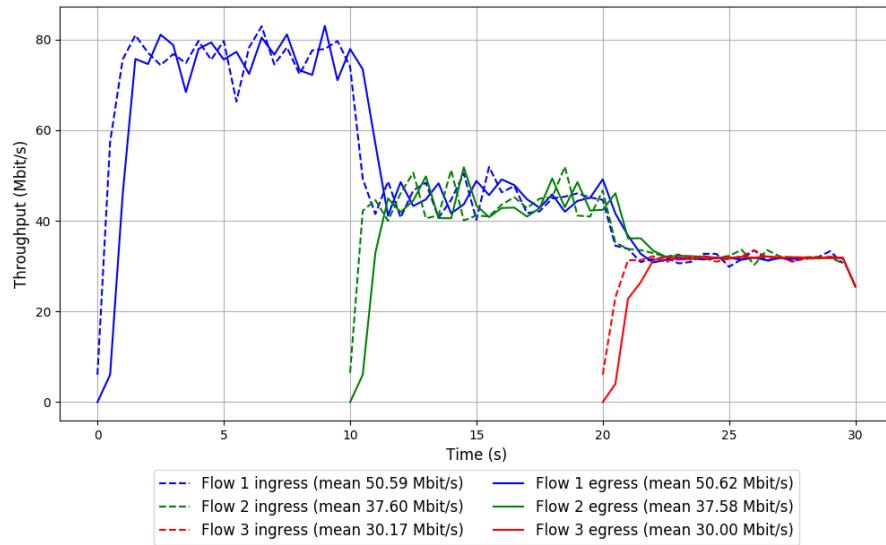


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-25 13:02:55
End at: 2018-05-25 13:03:25
Local clock offset: -4.077 ms
Remote clock offset: 4.088 ms

# Below is generated by plot.py at 2018-05-25 15:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 111.736 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 50.62 Mbit/s
95th percentile per-packet one-way delay: 111.087 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 111.464 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 113.343 ms
Loss rate: 2.20%
```

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

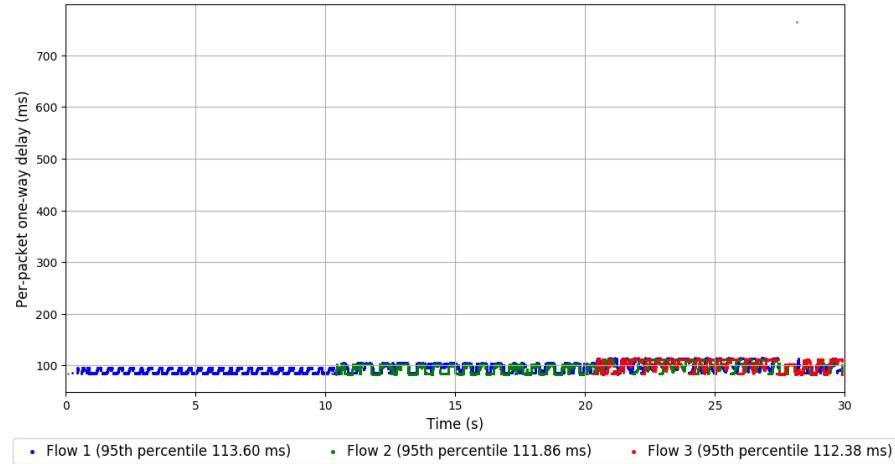
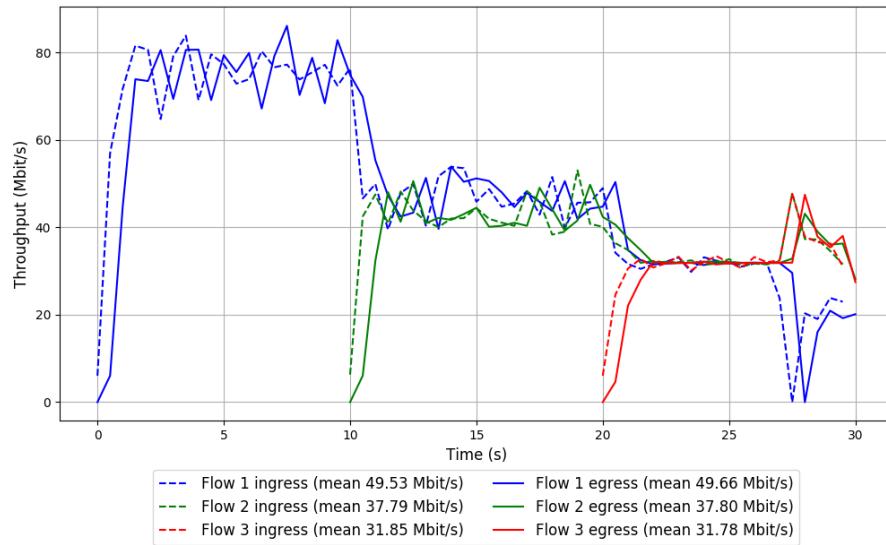


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-25 13:22:34
End at: 2018-05-25 13:23:04
Local clock offset: -1.011 ms
Remote clock offset: 3.752 ms

# Below is generated by plot.py at 2018-05-25 15:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 112.269 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 49.66 Mbit/s
95th percentile per-packet one-way delay: 113.598 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 111.856 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 112.379 ms
Loss rate: 1.87%
```

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

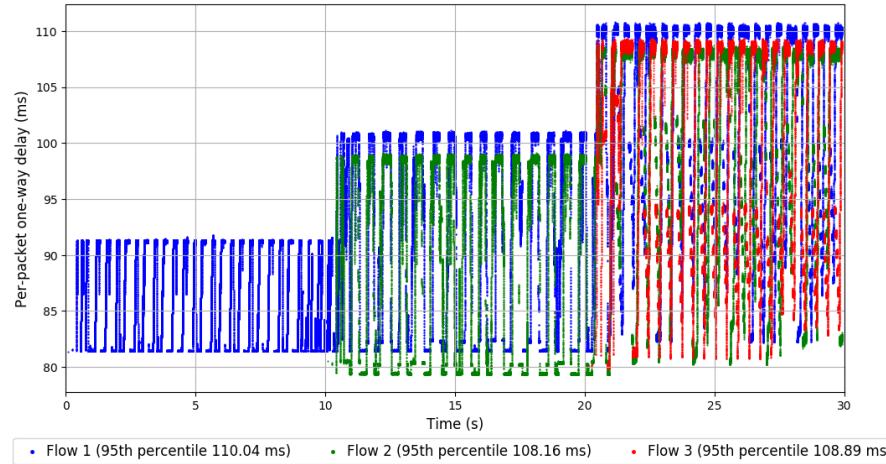
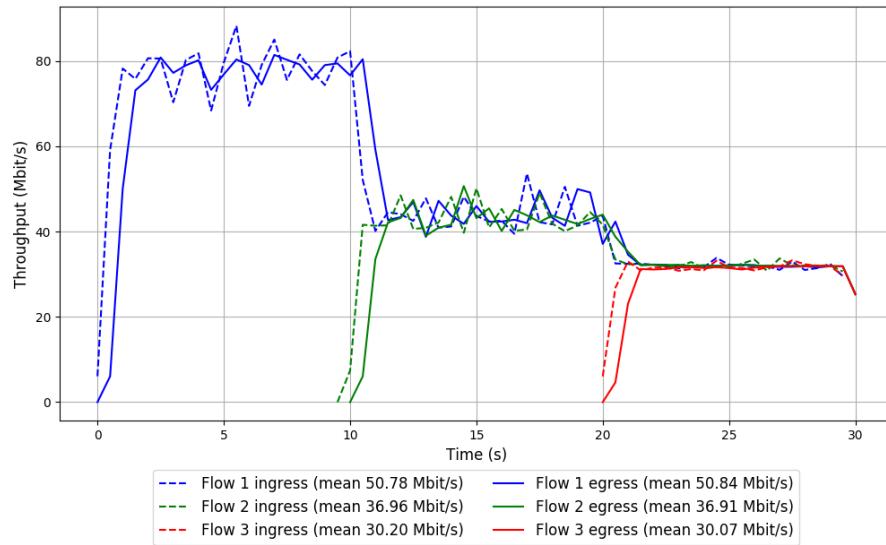


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-25 13:42:13
End at: 2018-05-25 13:42:43
Local clock offset: 0.93 ms
Remote clock offset: 7.369 ms

# Below is generated by plot.py at 2018-05-25 15:37:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 109.556 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 50.84 Mbit/s
95th percentile per-packet one-way delay: 110.039 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 108.157 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 108.894 ms
Loss rate: 2.05%
```

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

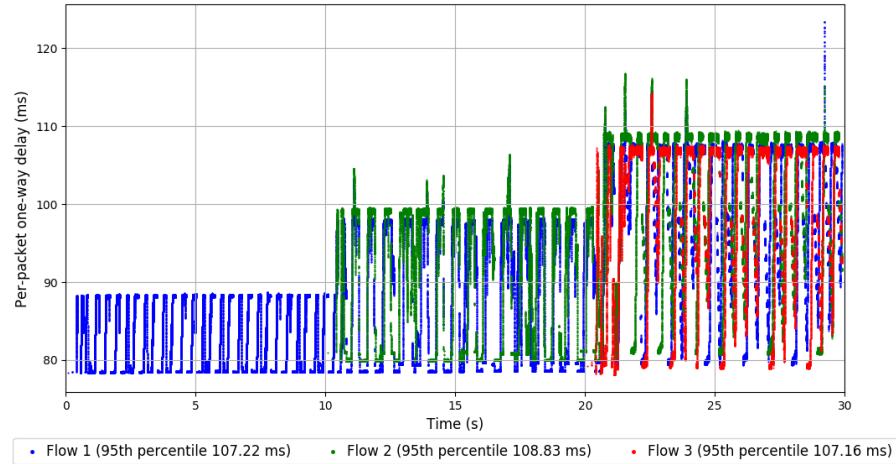
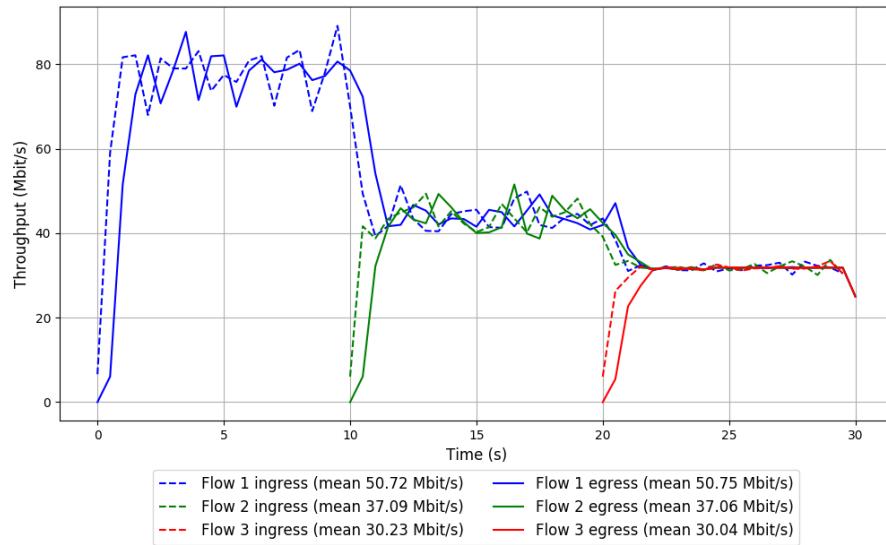


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-25 14:01:52
End at: 2018-05-25 14:02:22
Local clock offset: -4.407 ms
Remote clock offset: 9.015 ms

# Below is generated by plot.py at 2018-05-25 15:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 108.354 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 50.75 Mbit/s
95th percentile per-packet one-way delay: 107.224 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 108.828 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 107.159 ms
Loss rate: 2.26%
```

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

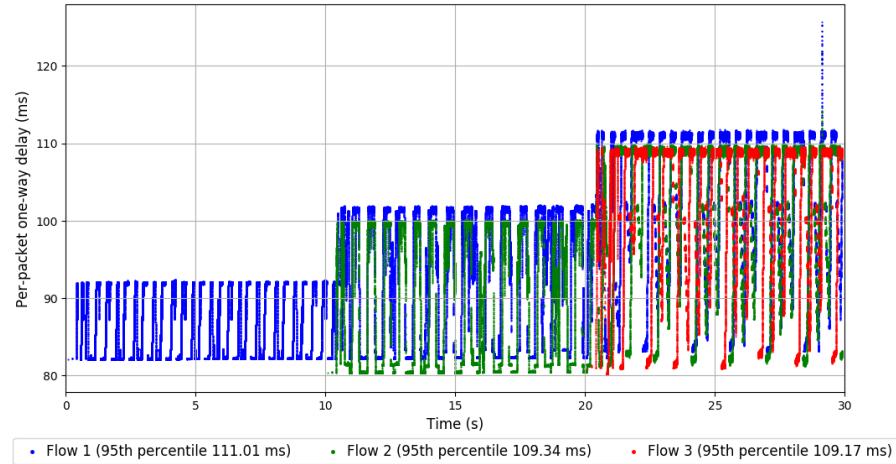
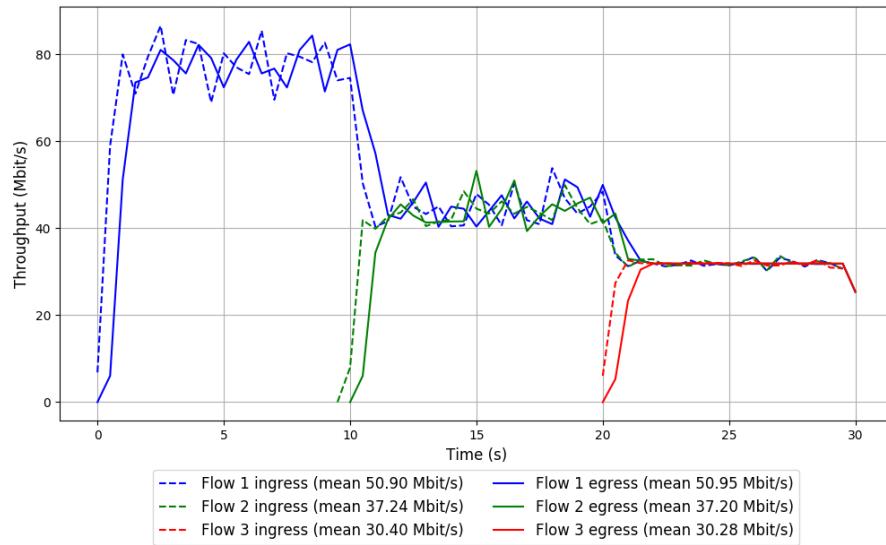


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-25 14:21:31
End at: 2018-05-25 14:22:01
Local clock offset: -7.839 ms
Remote clock offset: 10.463 ms

# Below is generated by plot.py at 2018-05-25 15:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 110.652 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 111.012 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 109.342 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 109.165 ms
Loss rate: 2.02%
```

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

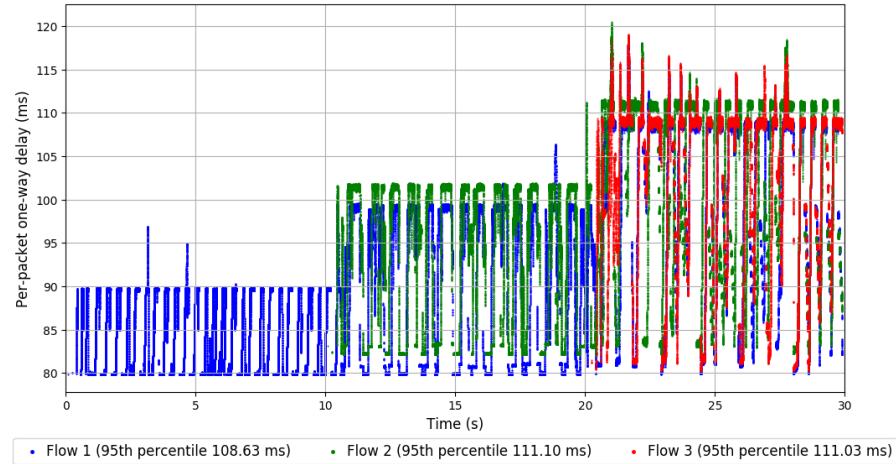
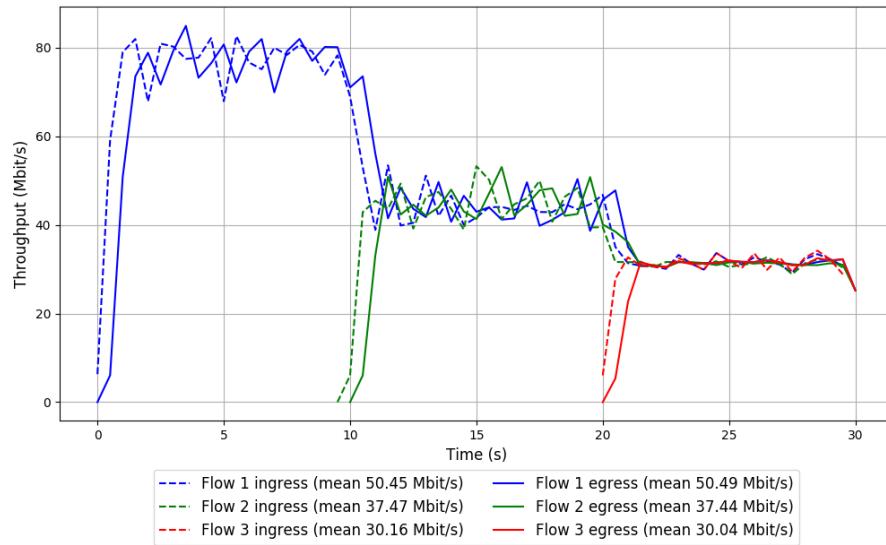


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-25 14:41:09
End at: 2018-05-25 14:41:39
Local clock offset: -3.363 ms
Remote clock offset: 15.827 ms

# Below is generated by plot.py at 2018-05-25 15:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 110.793 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 108.631 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 111.096 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 111.032 ms
Loss rate: 2.02%
```

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

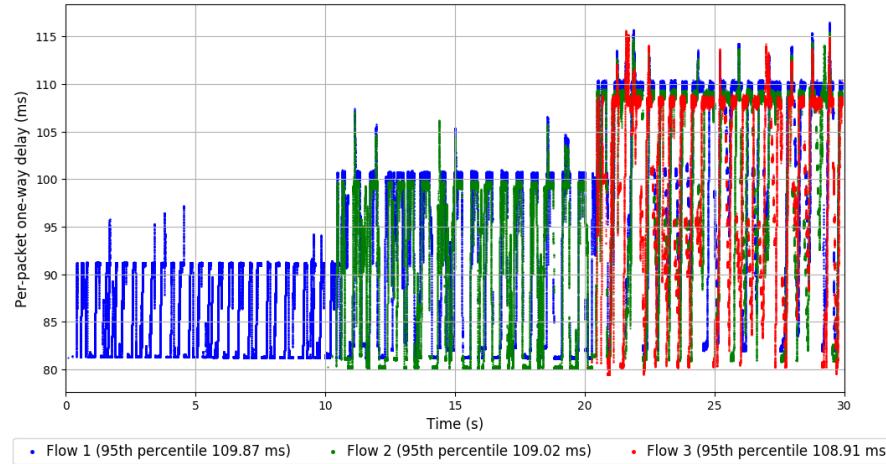
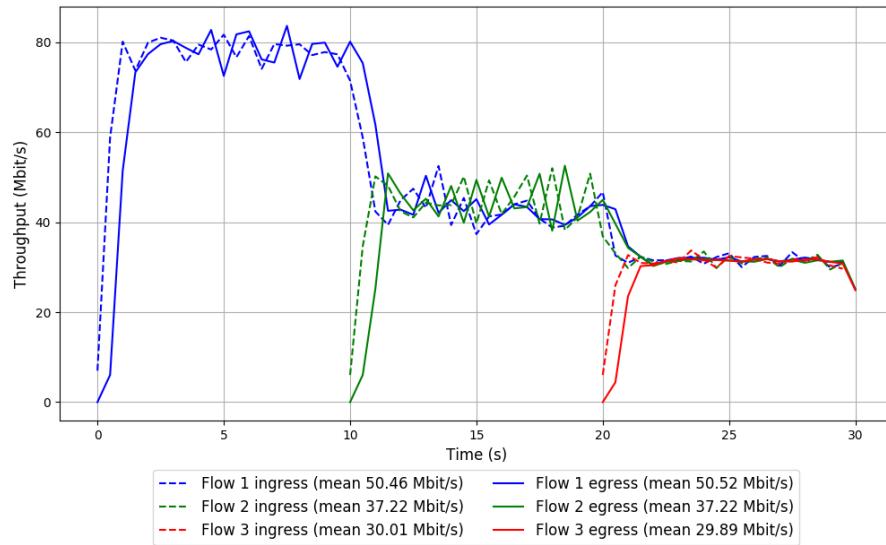


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-25 15:00:48
End at: 2018-05-25 15:01:18
Local clock offset: -2.5 ms
Remote clock offset: 11.139 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.08 Mbit/s
95th percentile per-packet one-way delay: 109.750 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 50.52 Mbit/s
95th percentile per-packet one-way delay: 109.870 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 109.020 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 108.912 ms
Loss rate: 2.00%
```

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

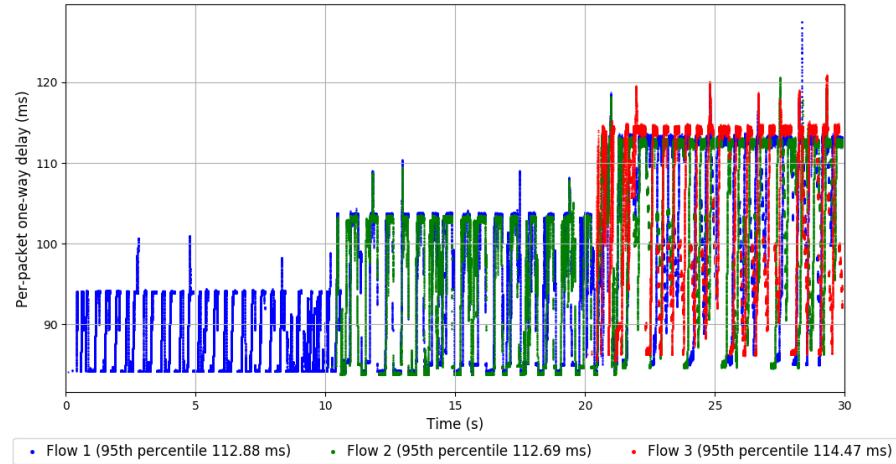
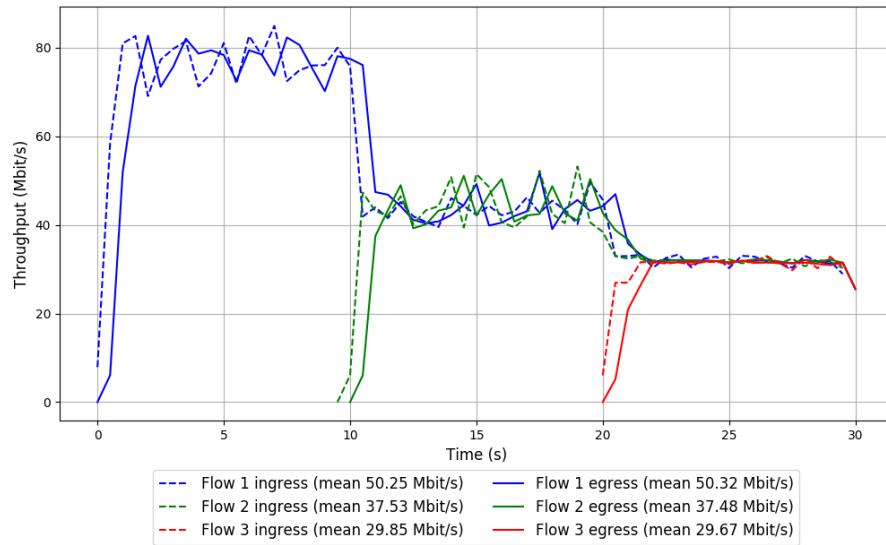


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-25 15:20:27
End at: 2018-05-25 15:20:57
Local clock offset: -2.284 ms
Remote clock offset: 3.751 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.99 Mbit/s
95th percentile per-packet one-way delay: 113.677 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 112.875 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 112.686 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 114.471 ms
Loss rate: 2.25%
```

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

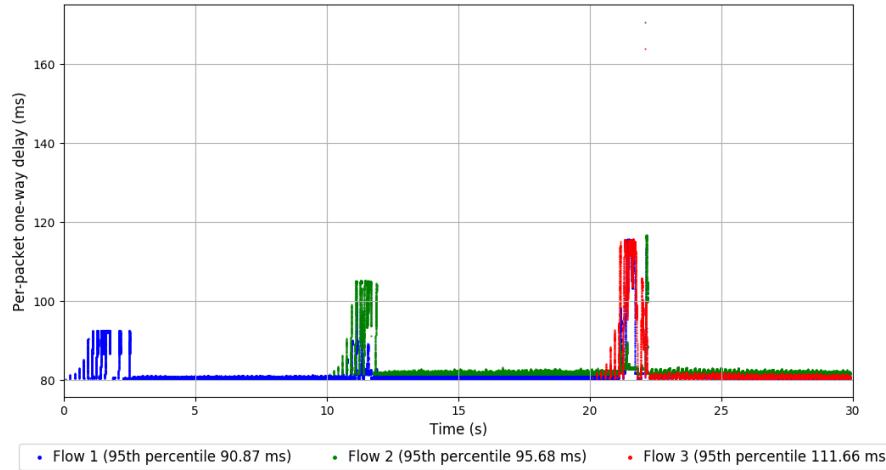
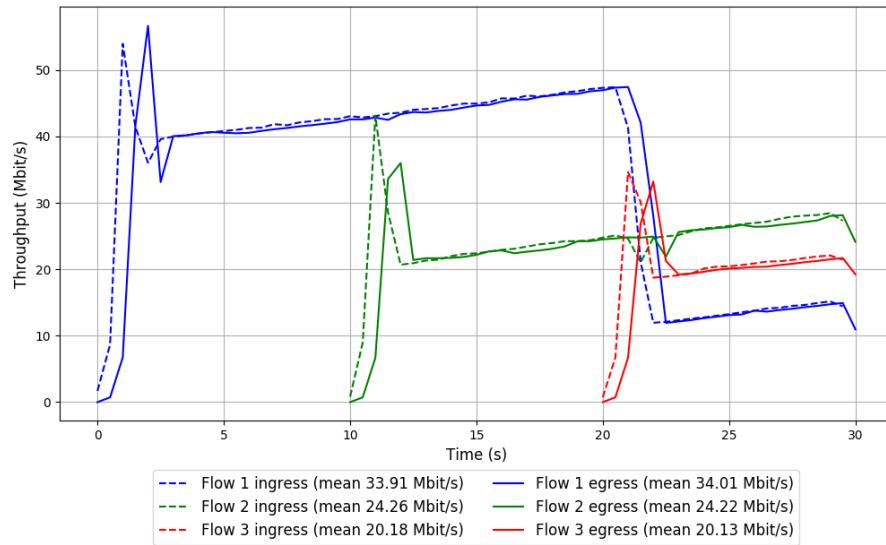


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-25 12:21:10
End at: 2018-05-25 12:21:40
Local clock offset: -6.813 ms
Remote clock offset: 14.572 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 92.335 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 90.873 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 95.677 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 20.13 Mbit/s
95th percentile per-packet one-way delay: 111.656 ms
Loss rate: 1.87%
```

Run 1: Report of TCP Vegas — Data Link

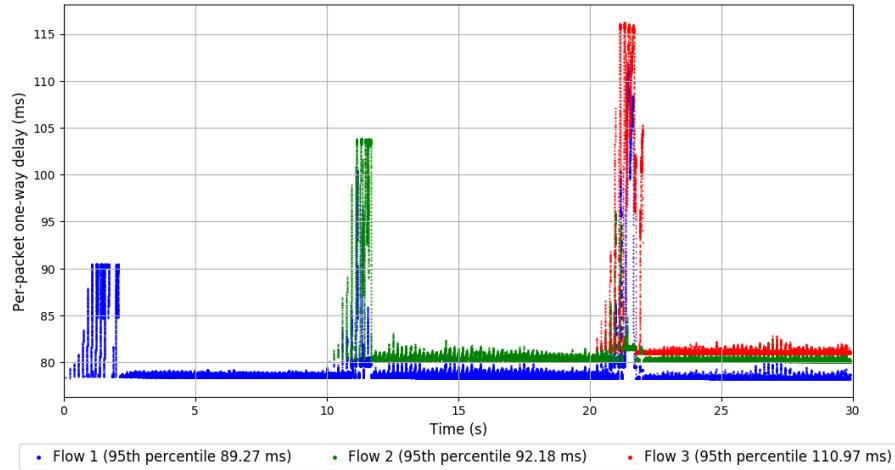
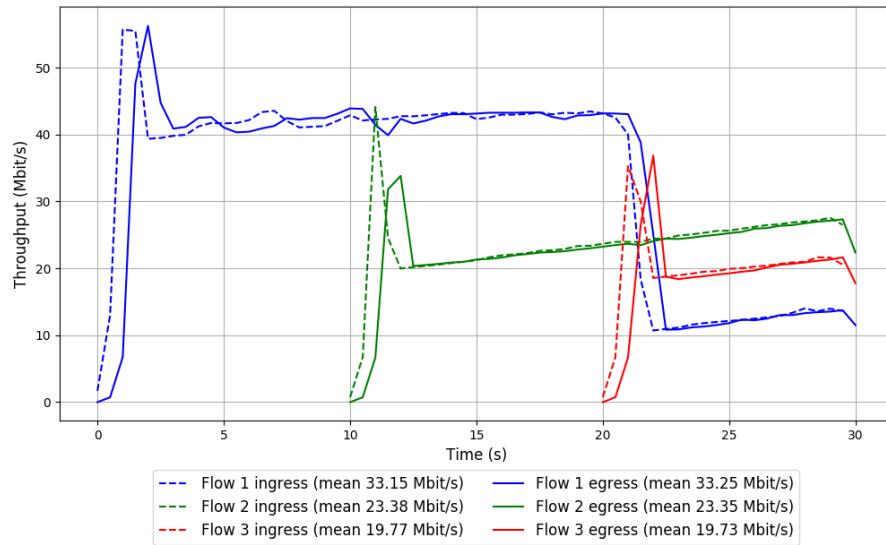


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-25 12:40:49
End at: 2018-05-25 12:41:19
Local clock offset: -8.102 ms
Remote clock offset: 11.77 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 90.363 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 89.271 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 92.184 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 110.970 ms
Loss rate: 1.88%
```

Run 2: Report of TCP Vegas — Data Link

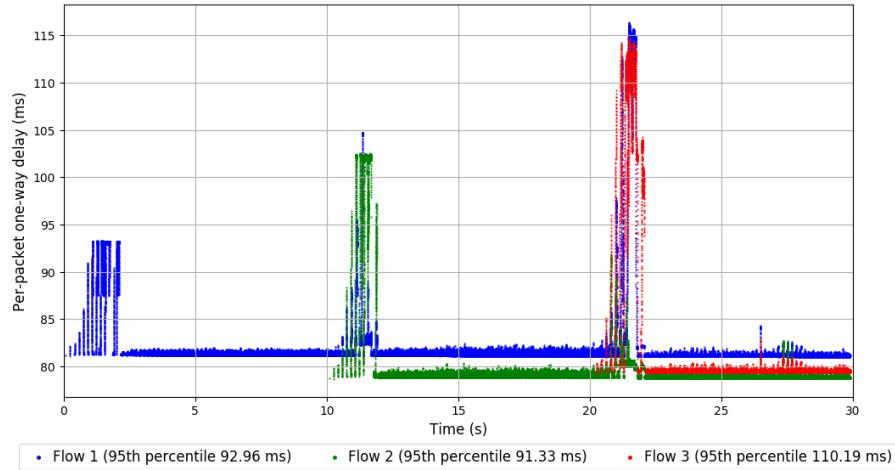
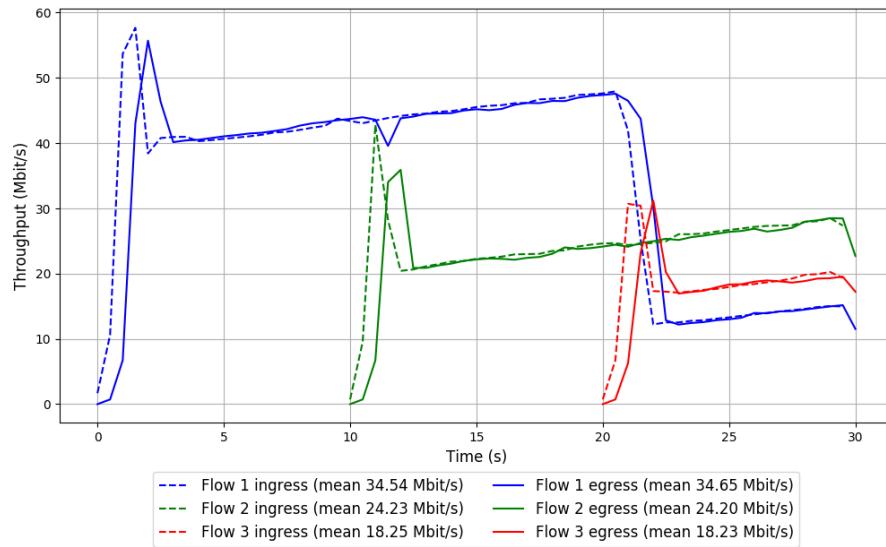


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-25 13:00:28
End at: 2018-05-25 13:00:58
Local clock offset: -4.917 ms
Remote clock offset: 7.922 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 93.137 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 92.964 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 91.326 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 110.194 ms
Loss rate: 1.74%
```

Run 3: Report of TCP Vegas — Data Link

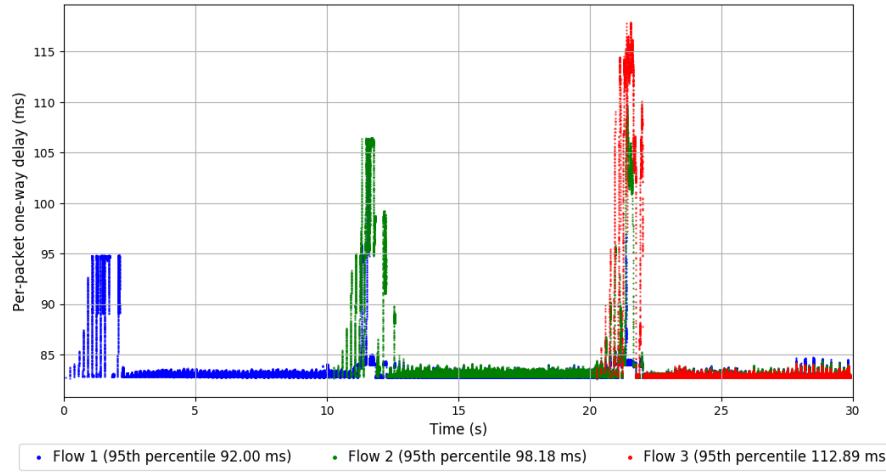
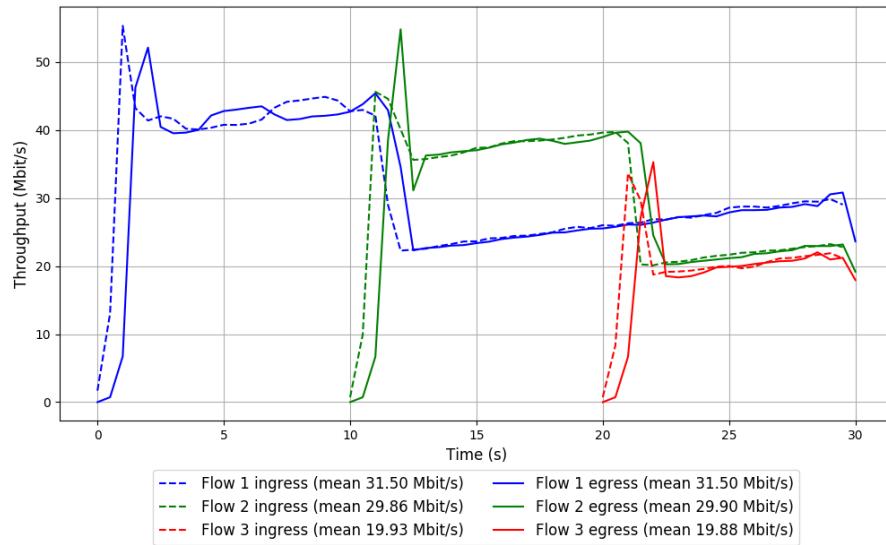


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-25 13:20:07
End at: 2018-05-25 13:20:37
Local clock offset: -1.218 ms
Remote clock offset: 3.828 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 94.715 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 92.005 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 98.176 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 112.887 ms
Loss rate: 1.85%
```

Run 4: Report of TCP Vegas — Data Link

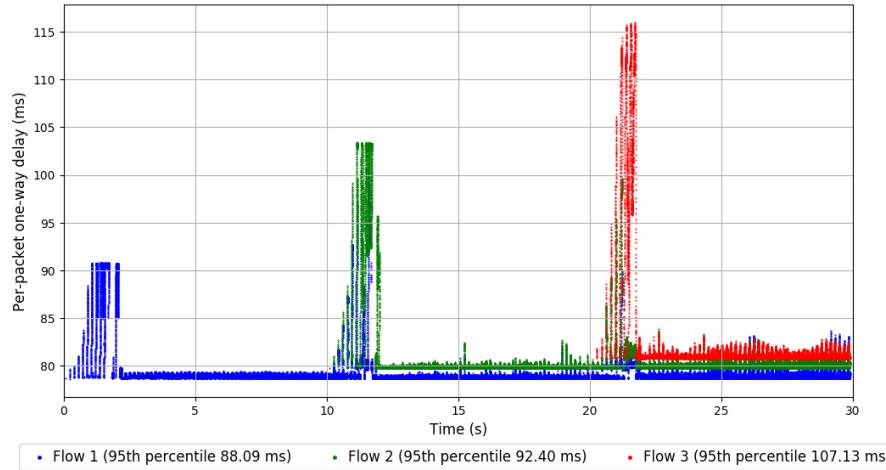
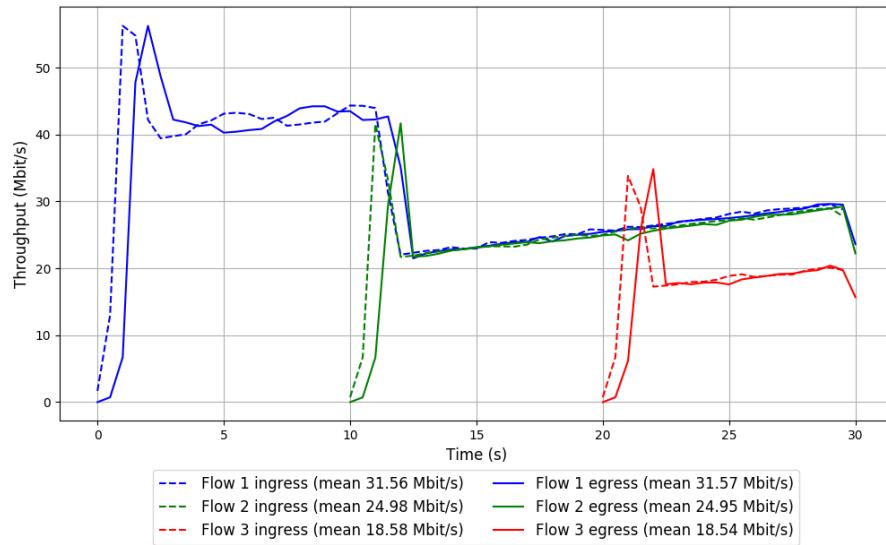


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-25 13:39:45
End at: 2018-05-25 13:40:15
Local clock offset: -0.738 ms
Remote clock offset: 6.516 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 90.583 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 88.092 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 92.402 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 18.54 Mbit/s
95th percentile per-packet one-way delay: 107.132 ms
Loss rate: 1.85%
```

Run 5: Report of TCP Vegas — Data Link

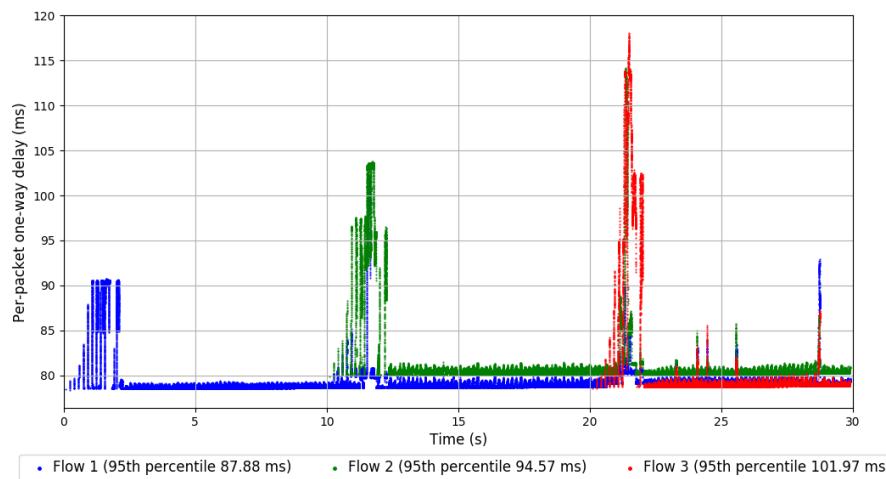
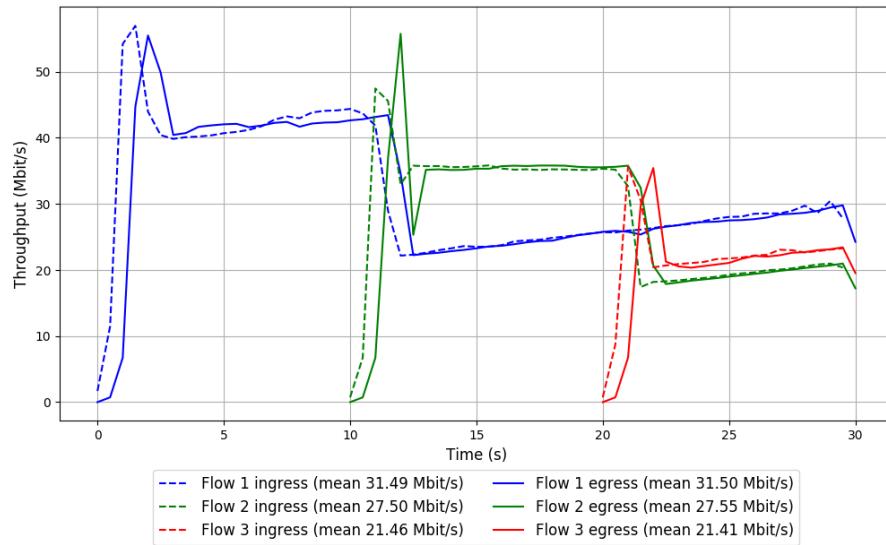


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-25 13:59:25
End at: 2018-05-25 13:59:55
Local clock offset: -3.073 ms
Remote clock offset: 8.212 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 90.487 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 87.883 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 94.574 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 101.965 ms
Loss rate: 1.85%
```

Run 6: Report of TCP Vegas — Data Link

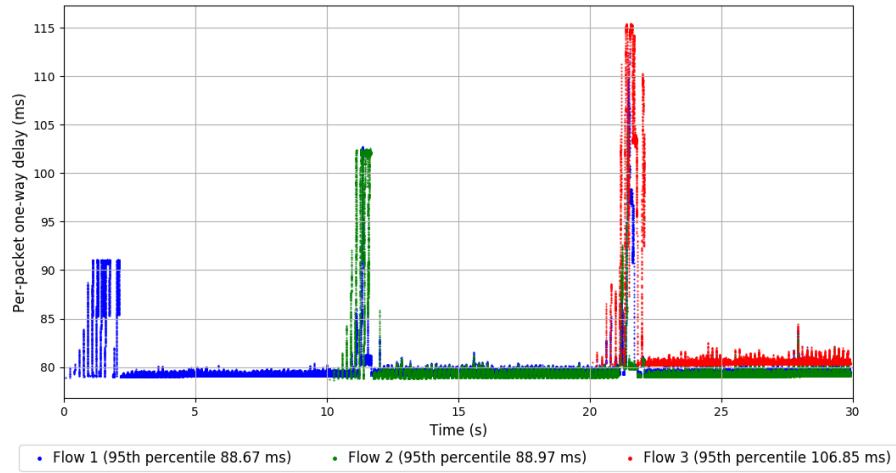
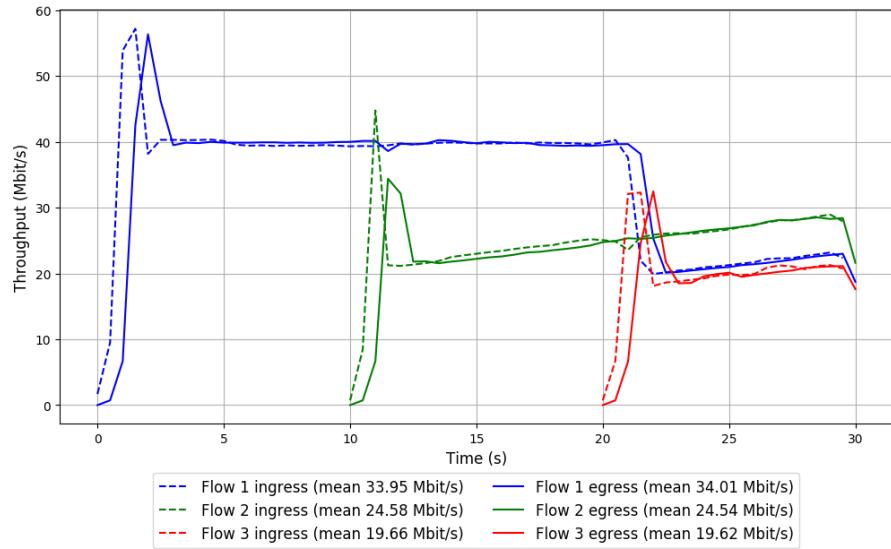


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-25 14:19:03
End at: 2018-05-25 14:19:33
Local clock offset: -8.242 ms
Remote clock offset: 9.968 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 90.841 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 88.668 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 88.971 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 106.854 ms
Loss rate: 1.86%
```

Run 7: Report of TCP Vegas — Data Link

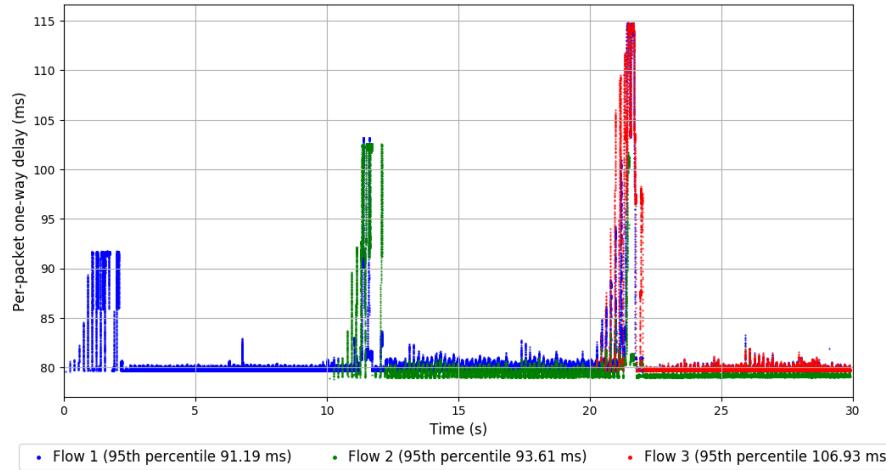
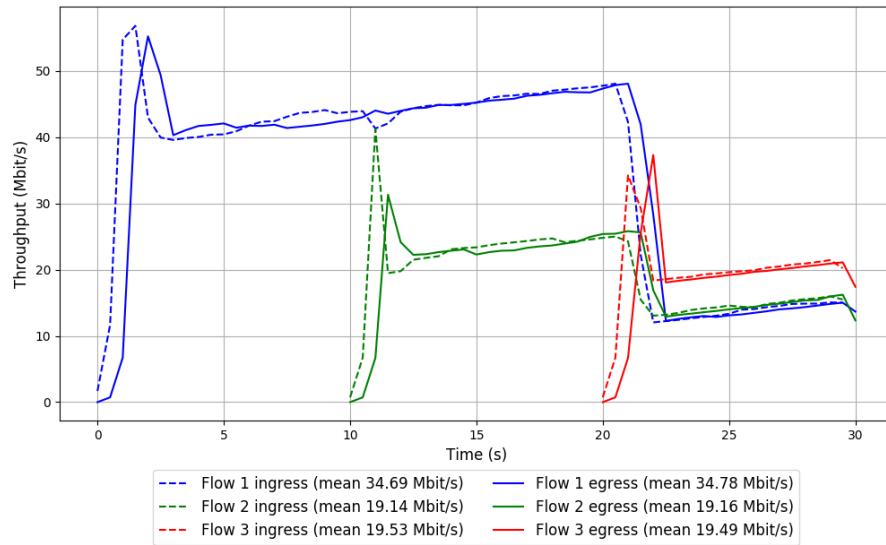


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-25 14:38:42
End at: 2018-05-25 14:39:12
Local clock offset: -4.439 ms
Remote clock offset: 15.549 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 91.591 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 91.190 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 93.612 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 106.928 ms
Loss rate: 1.83%
```

Run 8: Report of TCP Vegas — Data Link

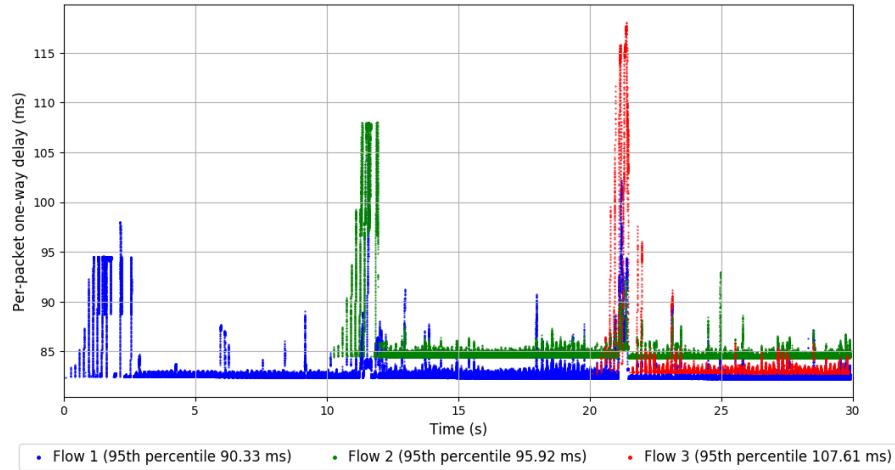
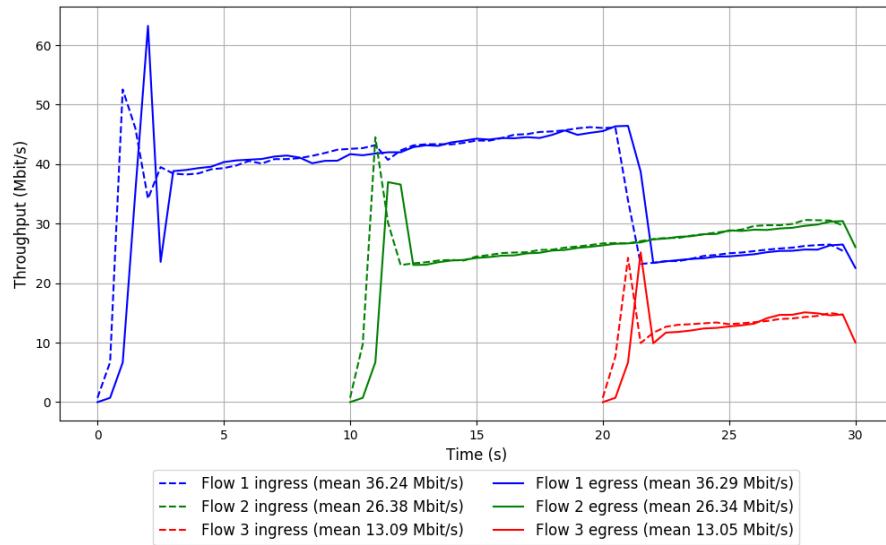


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-25 14:58:20
End at: 2018-05-25 14:58:50
Local clock offset: -3.322 ms
Remote clock offset: 8.533 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 92.102 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 90.330 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 95.919 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 107.609 ms
Loss rate: 1.95%
```

Run 9: Report of TCP Vegas — Data Link

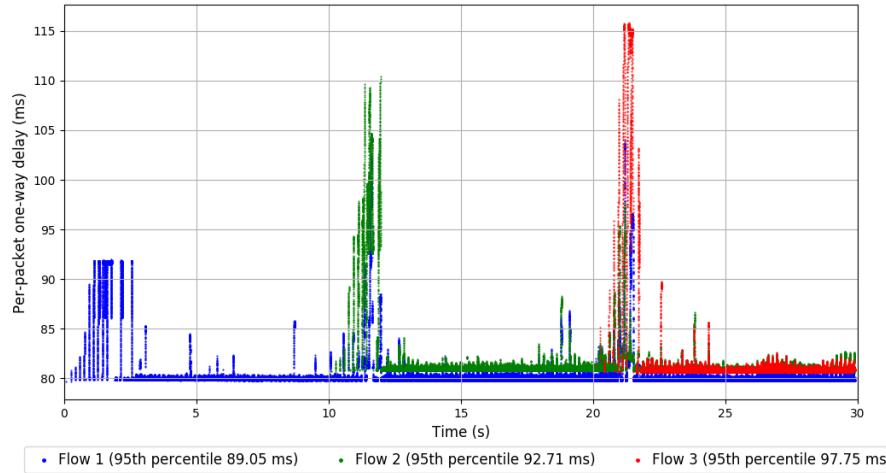
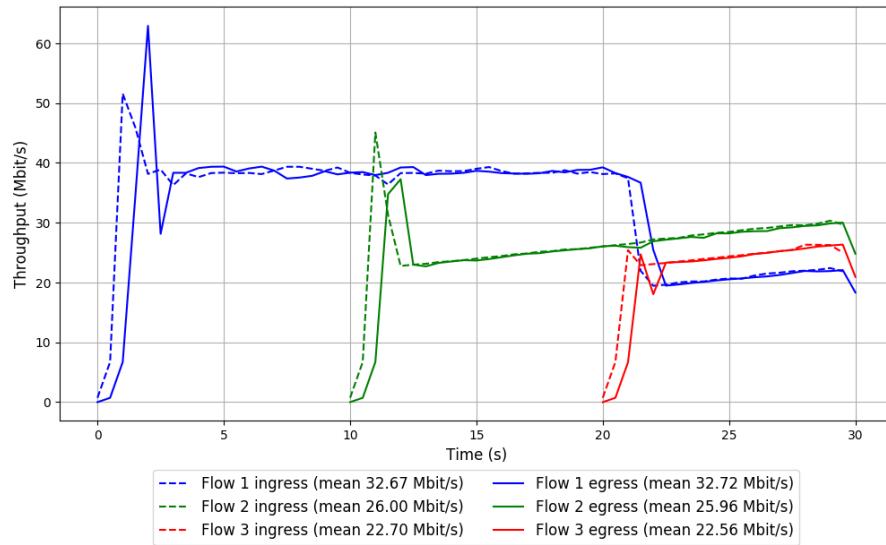


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-25 15:17:59
End at: 2018-05-25 15:18:29
Local clock offset: -3.068 ms
Remote clock offset: 7.643 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.38 Mbit/s
95th percentile per-packet one-way delay: 90.667 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 89.053 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 92.706 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 97.745 ms
Loss rate: 1.92%
```

Run 10: Report of TCP Vegas — Data Link

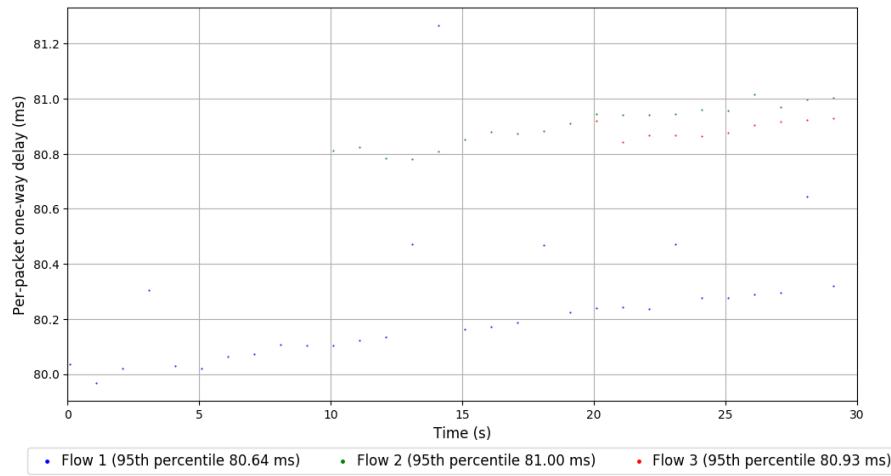
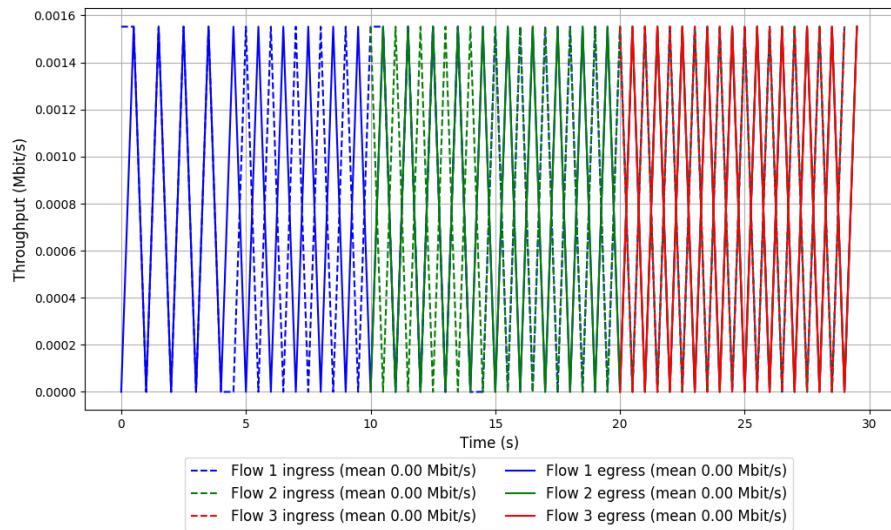


Run 1: Statistics of Verus

```
Start at: 2018-05-25 12:06:33
End at: 2018-05-25 12:07:03
Local clock offset: -5.931 ms
Remote clock offset: 10.752 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.644 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.004 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.928 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link

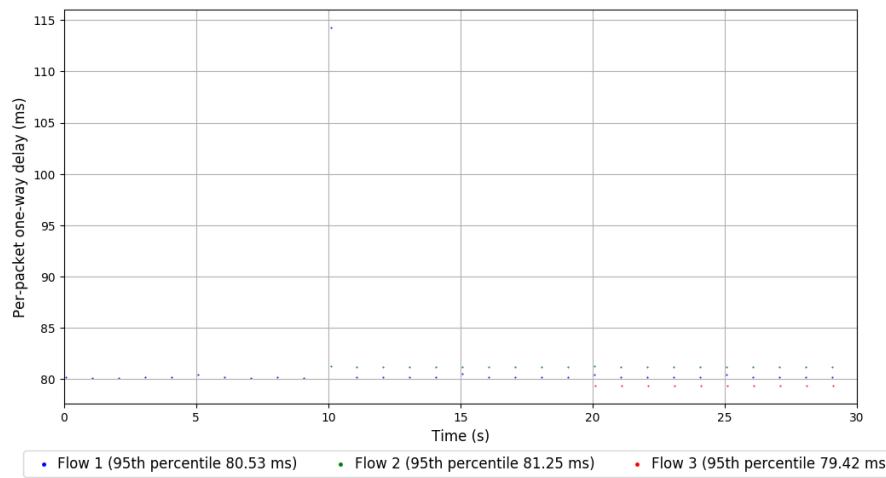
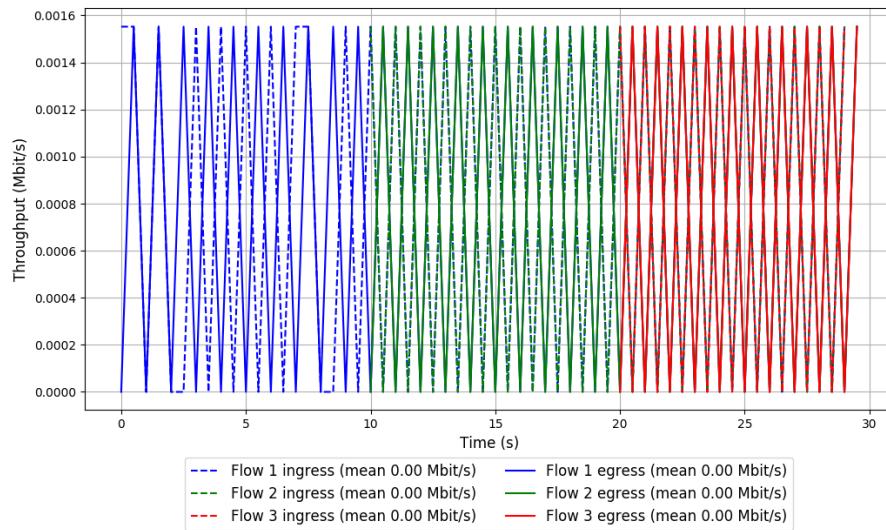


Run 2: Statistics of Verus

```
Start at: 2018-05-25 12:26:12
End at: 2018-05-25 12:26:42
Local clock offset: -7.757 ms
Remote clock offset: 14.466 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.532 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 79.415 ms
Loss rate: 0.00%
```

Run 2: Report of Verus — Data Link

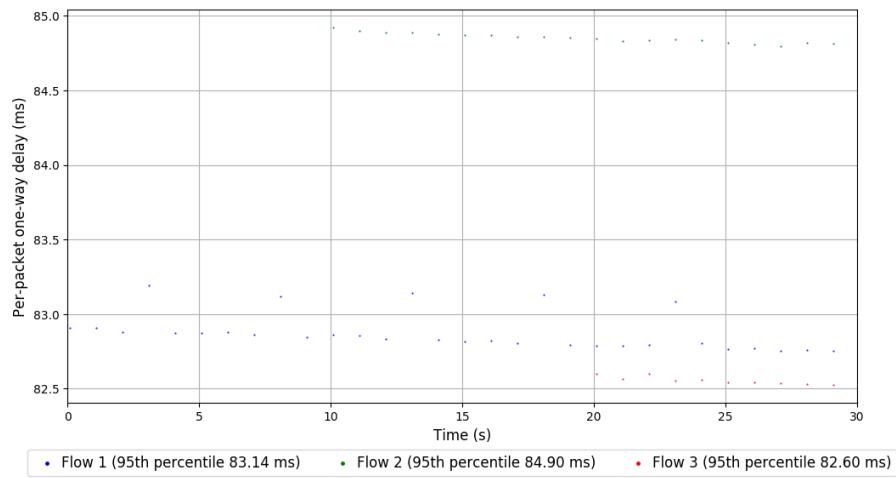
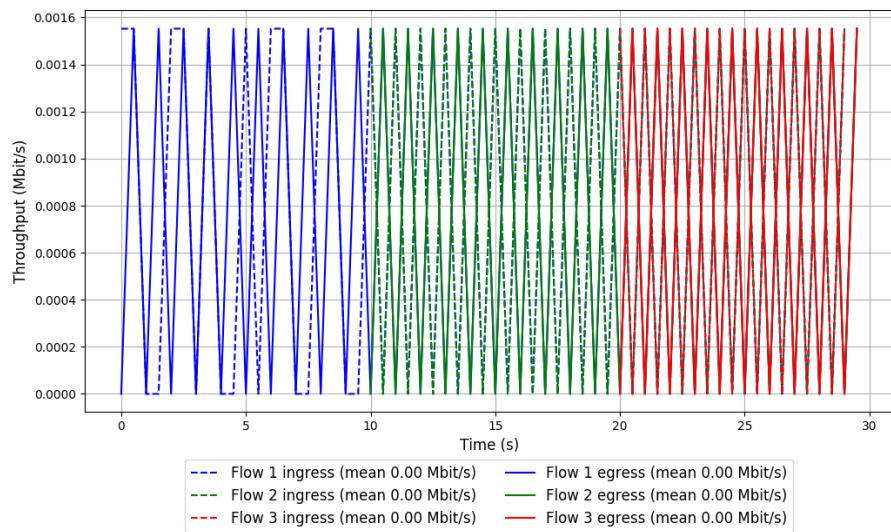


Run 3: Statistics of Verus

```
Start at: 2018-05-25 12:45:51
End at: 2018-05-25 12:46:21
Local clock offset: -7.346 ms
Remote clock offset: 6.562 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 84.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 83.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 84.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.601 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

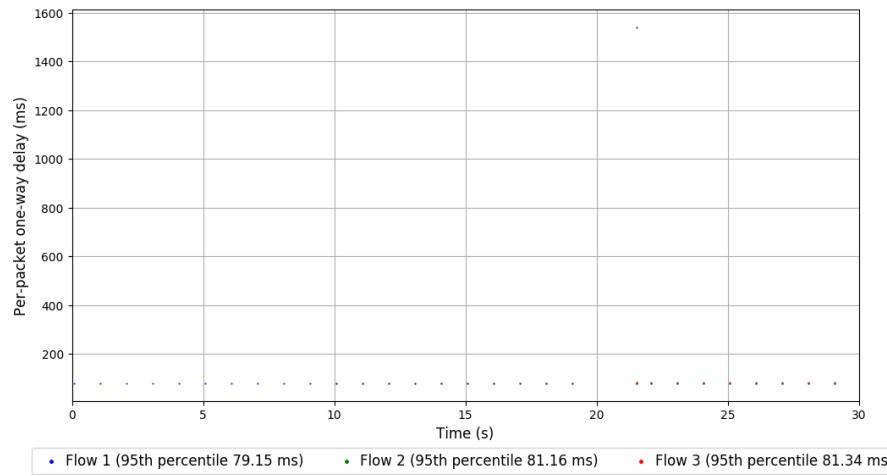
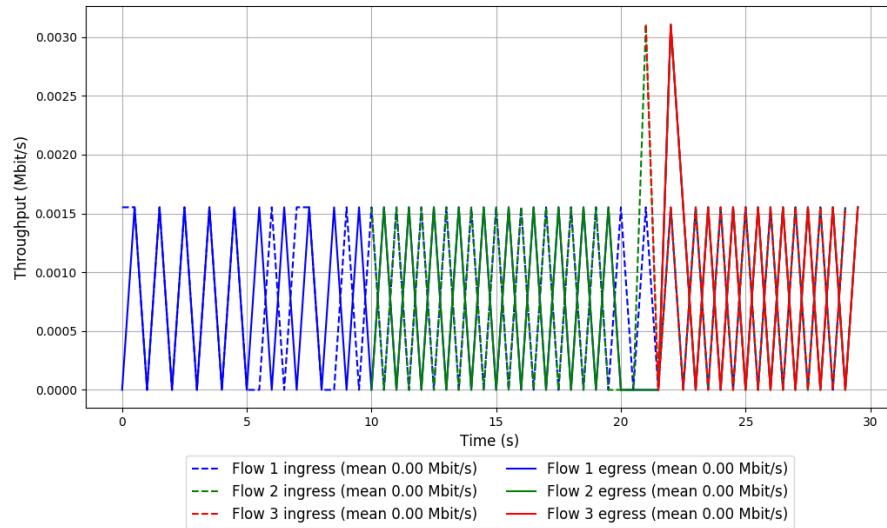


Run 4: Statistics of Verus

```
Start at: 2018-05-25 13:05:30
End at: 2018-05-25 13:06:00
Local clock offset: -2.563 ms
Remote clock offset: 7.751 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 79.151 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.343 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

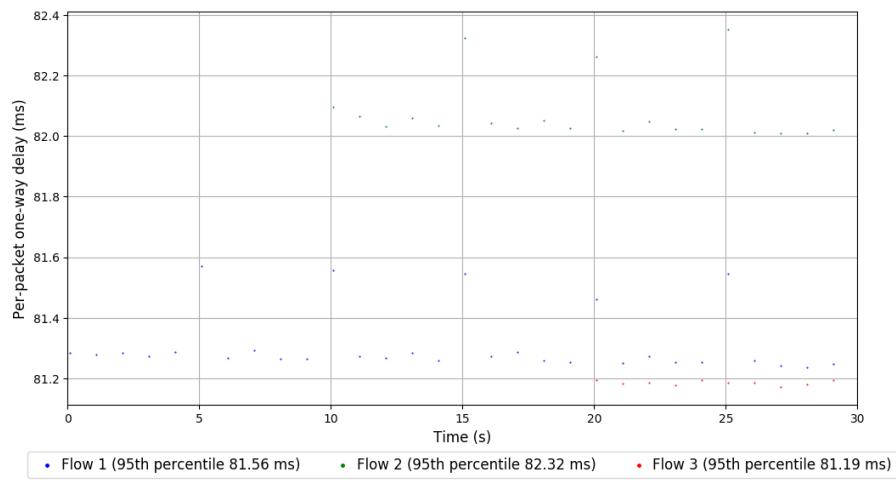
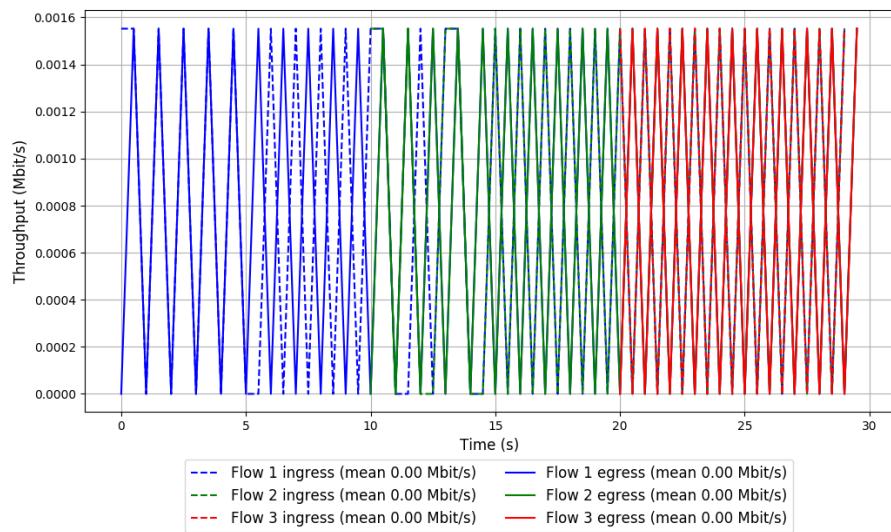


Run 5: Statistics of Verus

```
Start at: 2018-05-25 13:25:09
End at: 2018-05-25 13:25:39
Local clock offset: -0.079 ms
Remote clock offset: 6.619 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.556 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.195 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

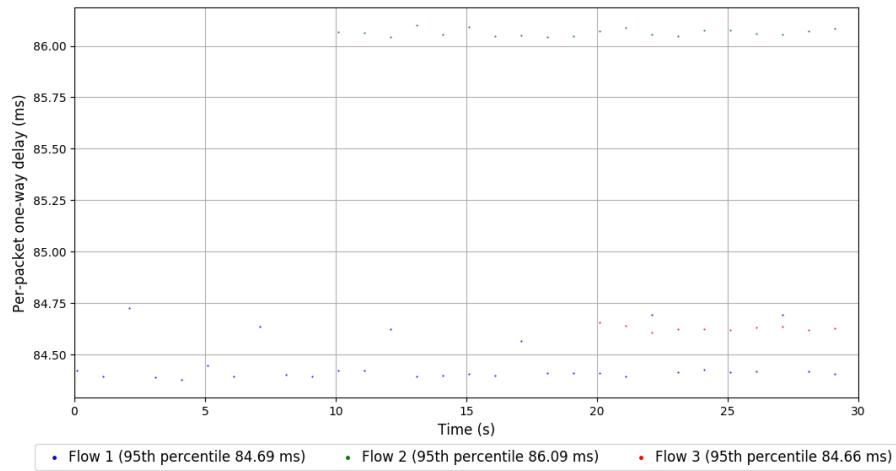
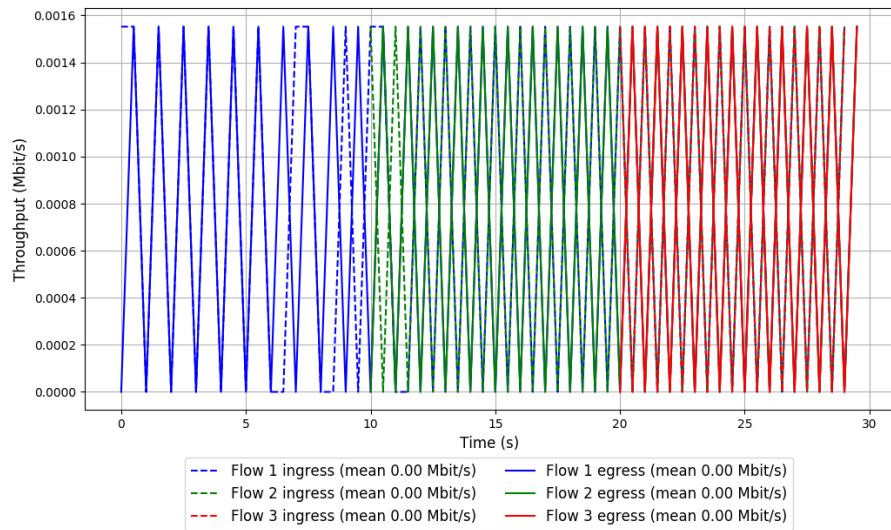


Run 6: Statistics of Verus

```
Start at: 2018-05-25 13:44:48
End at: 2018-05-25 13:45:18
Local clock offset: 1.06 ms
Remote clock offset: 2.754 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 84.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 84.656 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

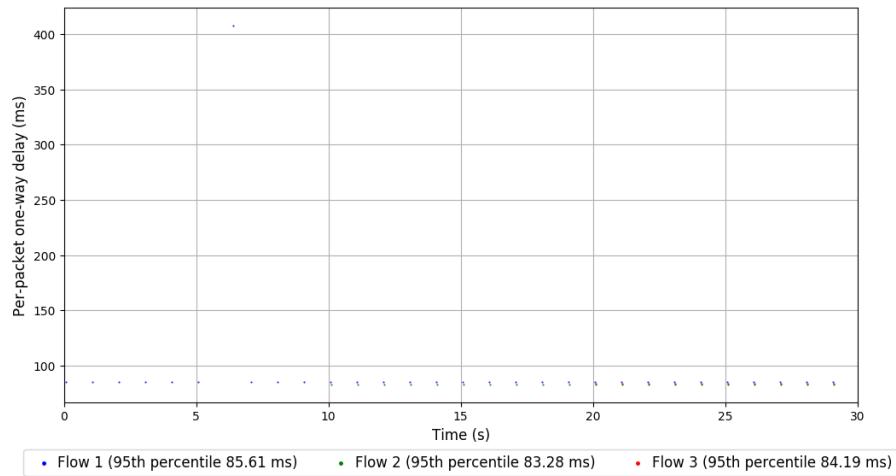
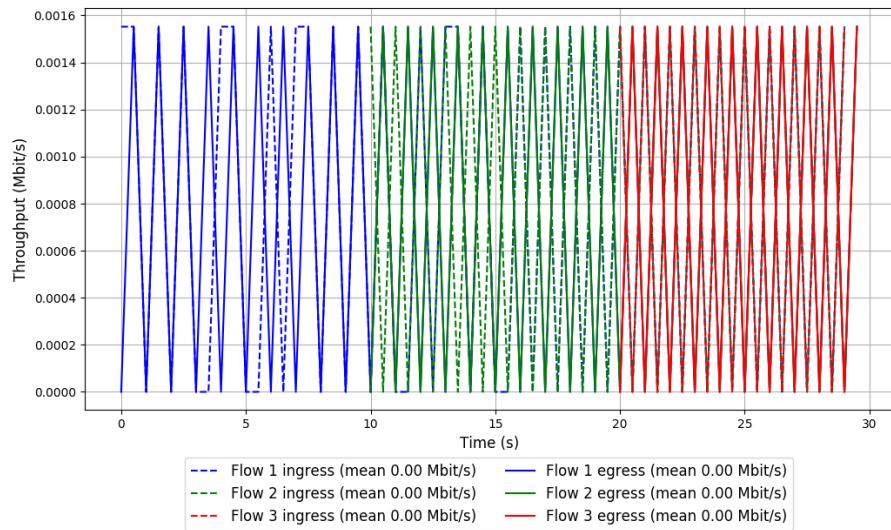


Run 7: Statistics of Verus

```
Start at: 2018-05-25 14:04:27
End at: 2018-05-25 14:04:57
Local clock offset: -4.857 ms
Remote clock offset: 3.733 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.515 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 83.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 84.190 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link

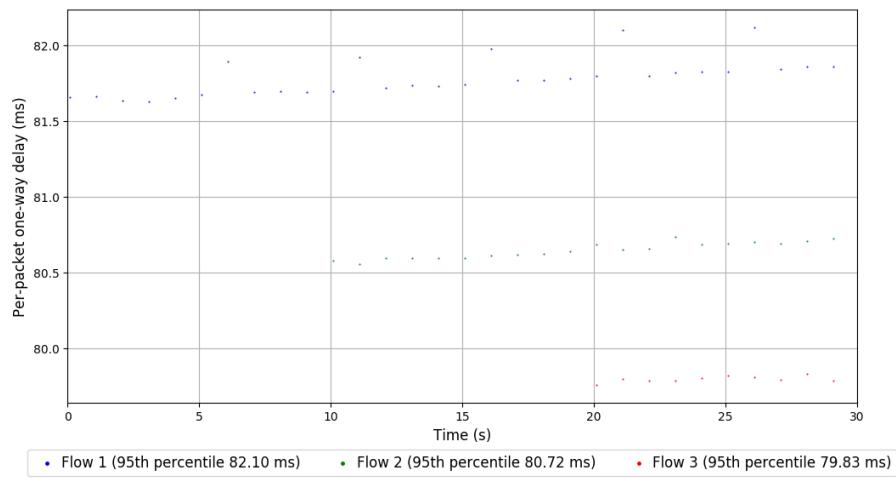
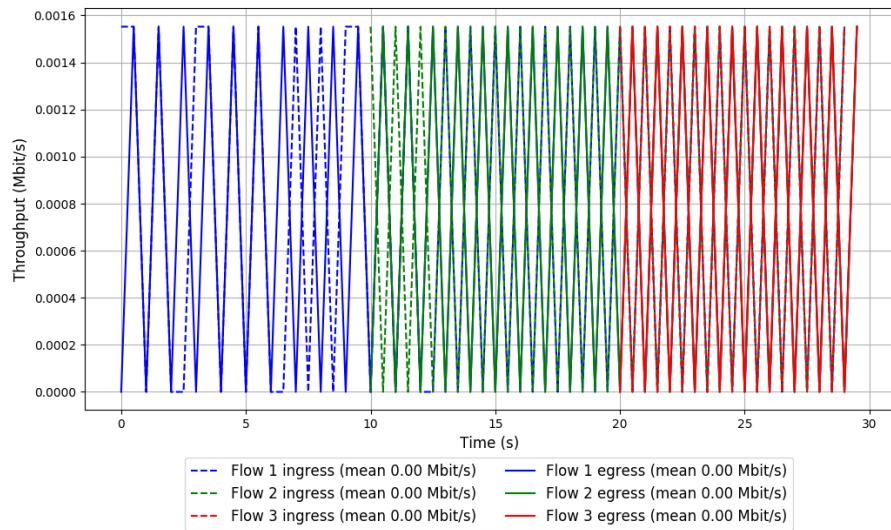


Run 8: Statistics of Verus

```
Start at: 2018-05-25 14:24:05
End at: 2018-05-25 14:24:35
Local clock offset: -8.101 ms
Remote clock offset: 11.741 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 80.723 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 79.833 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link

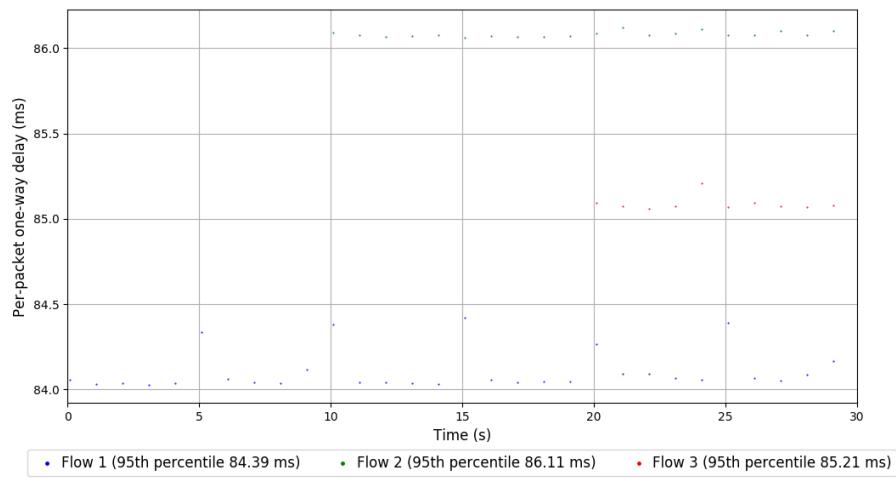
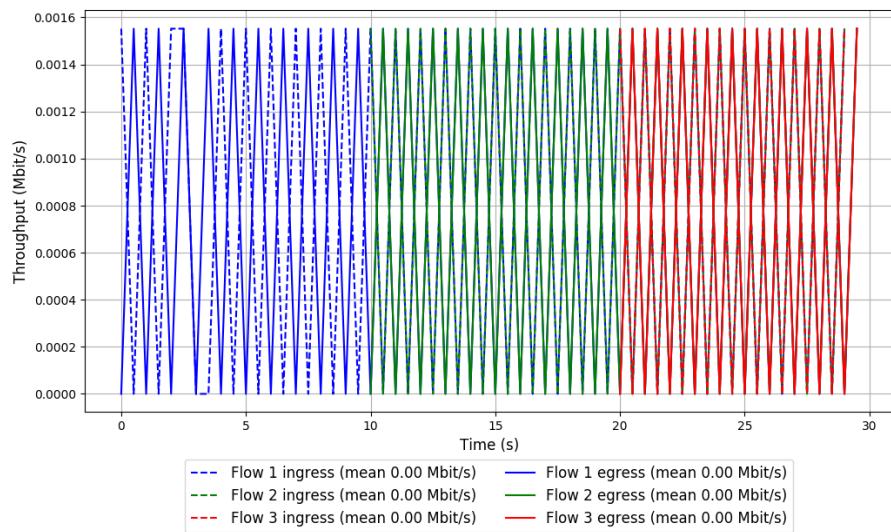


Run 9: Statistics of Verus

```
Start at: 2018-05-25 14:43:44
End at: 2018-05-25 14:44:14
Local clock offset: -3.895 ms
Remote clock offset: 11.611 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 84.387 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.113 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.208 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

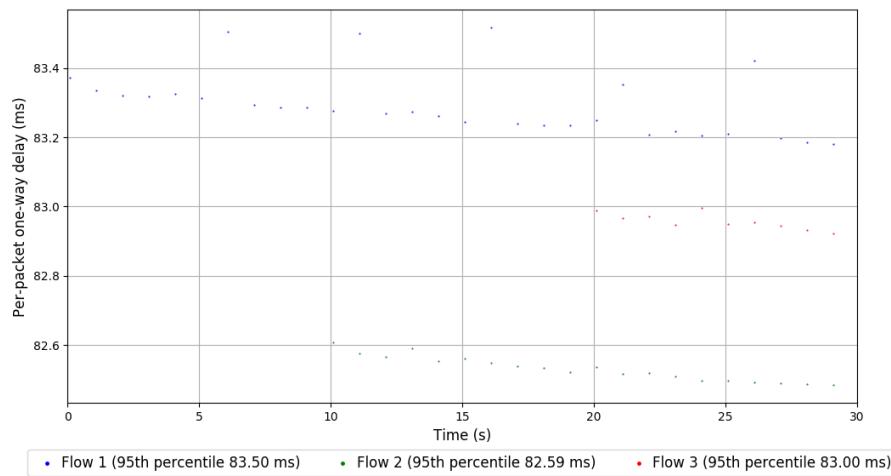
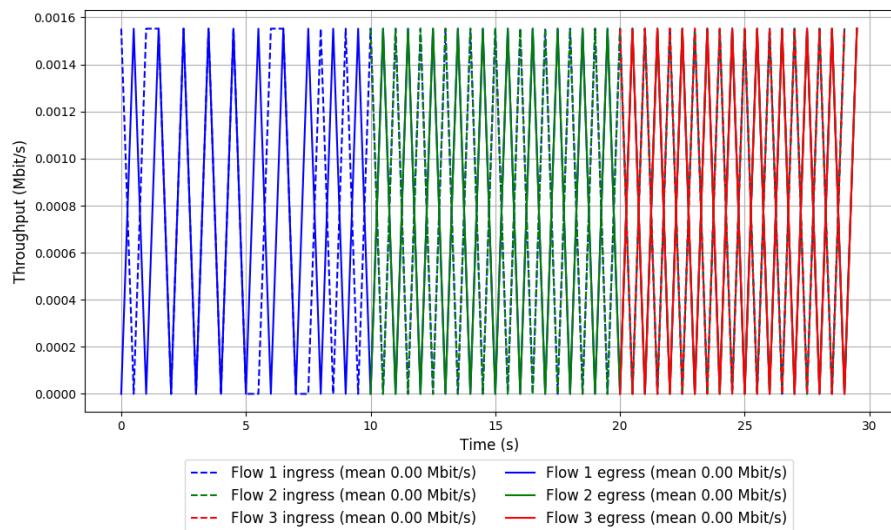


Run 10: Statistics of Verus

```
Start at: 2018-05-25 15:03:23
End at: 2018-05-25 15:03:53
Local clock offset: -4.06 ms
Remote clock offset: 5.443 ms

# Below is generated by plot.py at 2018-05-25 15:38:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 83.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 83.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.590 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.995 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

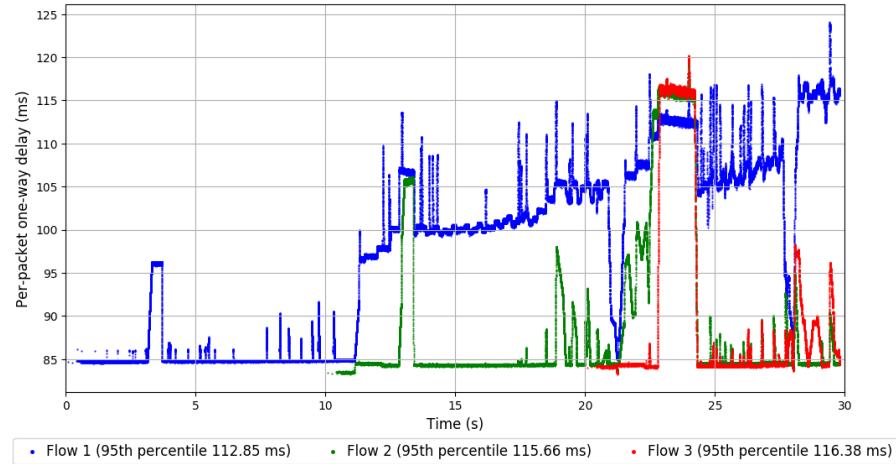
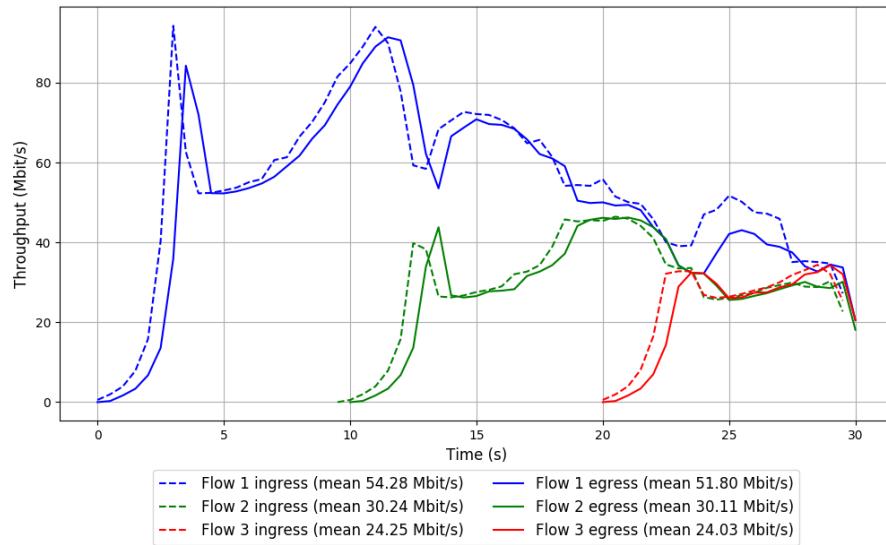


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-05-25 12:08:54
End at: 2018-05-25 12:09:24
Local clock offset: -7.068 ms
Remote clock offset: 6.439 ms

# Below is generated by plot.py at 2018-05-25 15:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.63 Mbit/s
95th percentile per-packet one-way delay: 115.491 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: 112.848 ms
Loss rate: 5.10%
-- Flow 2:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 115.660 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 116.384 ms
Loss rate: 2.54%
```

Run 1: Report of PCC-Vivace — Data Link

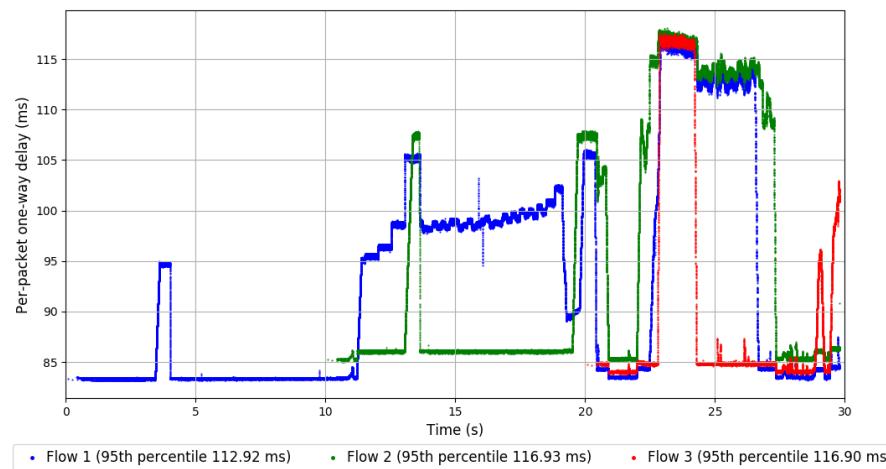
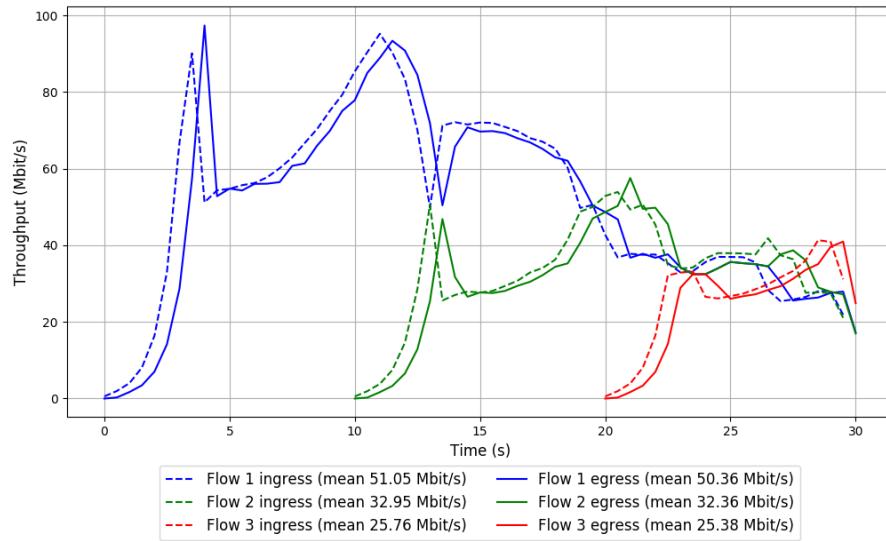


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-25 12:28:33
End at: 2018-05-25 12:29:03
Local clock offset: -7.554 ms
Remote clock offset: 10.989 ms

# Below is generated by plot.py at 2018-05-25 15:39:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 115.998 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 112.921 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 116.927 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 116.896 ms
Loss rate: 3.11%
```

Run 2: Report of PCC-Vivace — Data Link

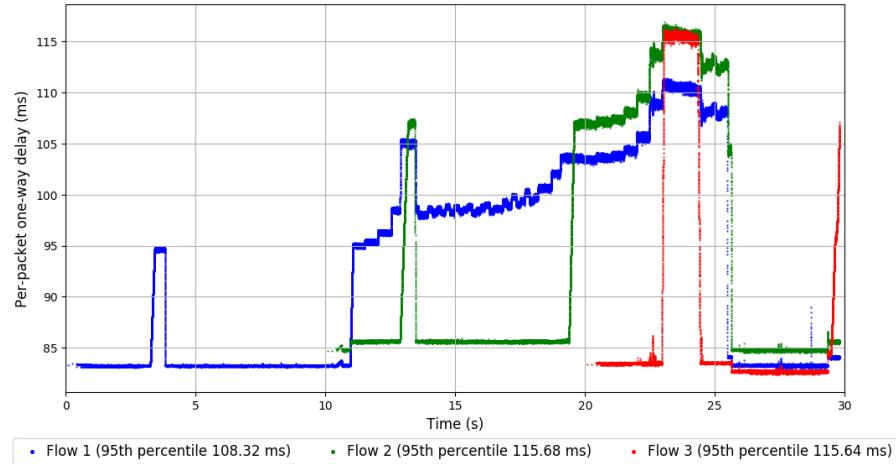
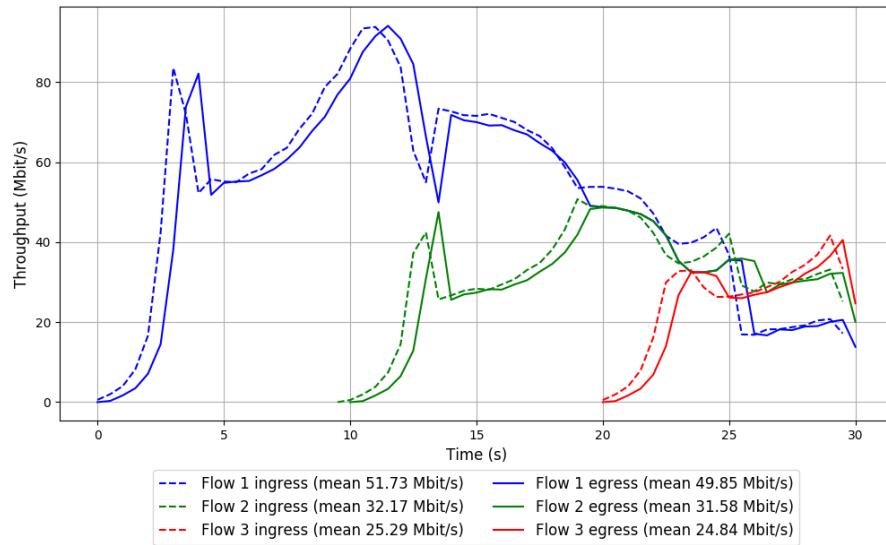


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-25 12:48:12
End at: 2018-05-25 12:48:42
Local clock offset: -7.39 ms
Remote clock offset: 6.003 ms

# Below is generated by plot.py at 2018-05-25 15:39:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 112.875 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 108.319 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 115.676 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 115.638 ms
Loss rate: 3.46%
```

Run 3: Report of PCC-Vivace — Data Link

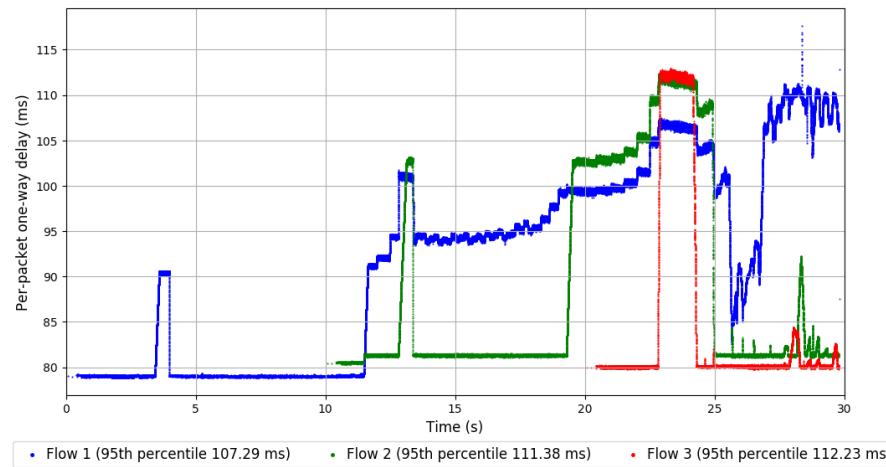
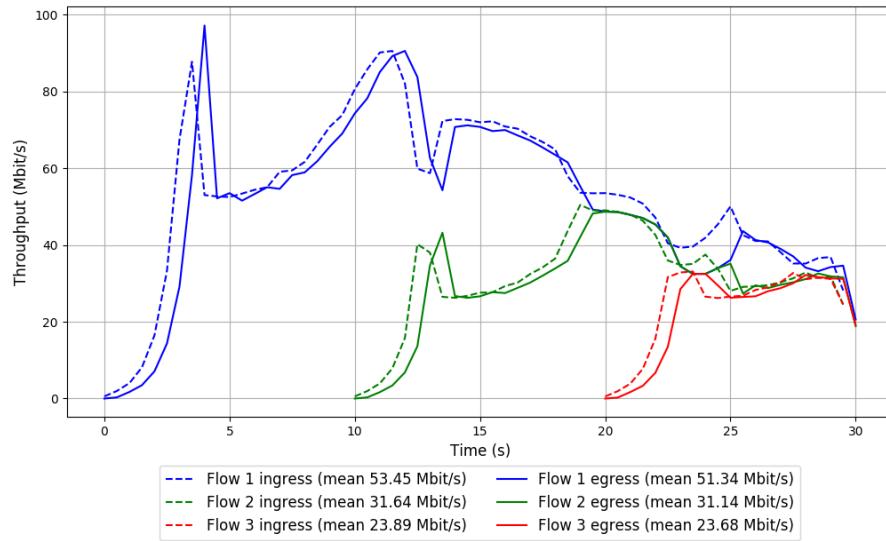


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-25 13:07:51
End at: 2018-05-25 13:08:21
Local clock offset: -2.8 ms
Remote clock offset: 7.508 ms

# Below is generated by plot.py at 2018-05-25 15:39:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.74 Mbit/s
95th percentile per-packet one-way delay: 109.852 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 107.294 ms
Loss rate: 4.44%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 111.379 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 23.68 Mbit/s
95th percentile per-packet one-way delay: 112.232 ms
Loss rate: 2.49%
```

Run 4: Report of PCC-Vivace — Data Link

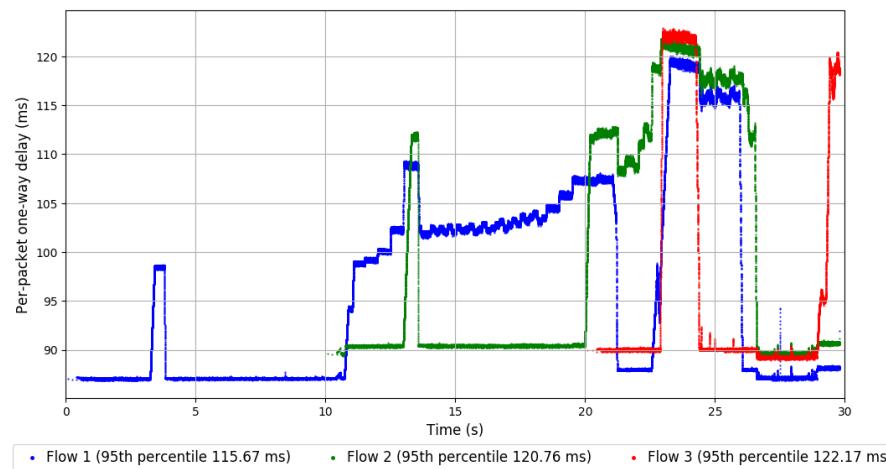
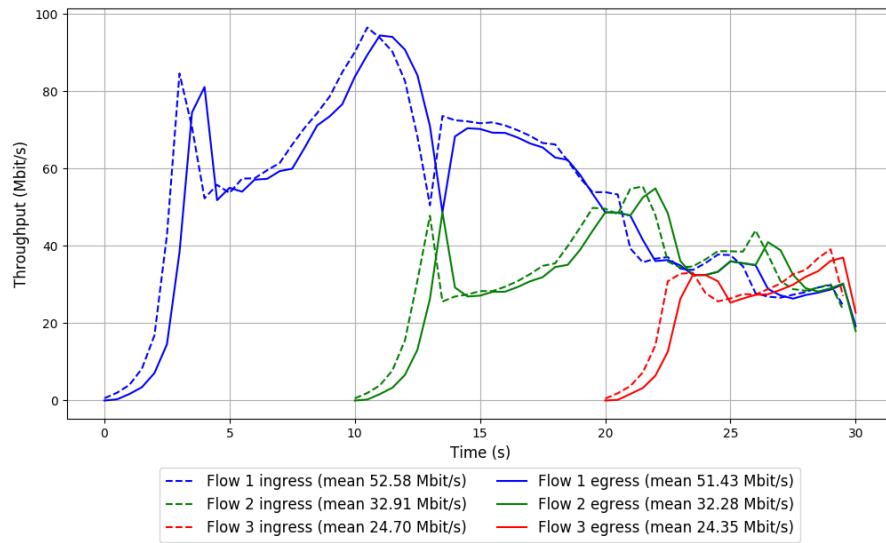


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-25 13:27:30
End at: 2018-05-25 13:28:00
Local clock offset: -0.651 ms
Remote clock offset: -0.718 ms

# Below is generated by plot.py at 2018-05-25 15:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 119.066 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 115.669 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 120.756 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 122.169 ms
Loss rate: 3.06%
```

Run 5: Report of PCC-Vivace — Data Link

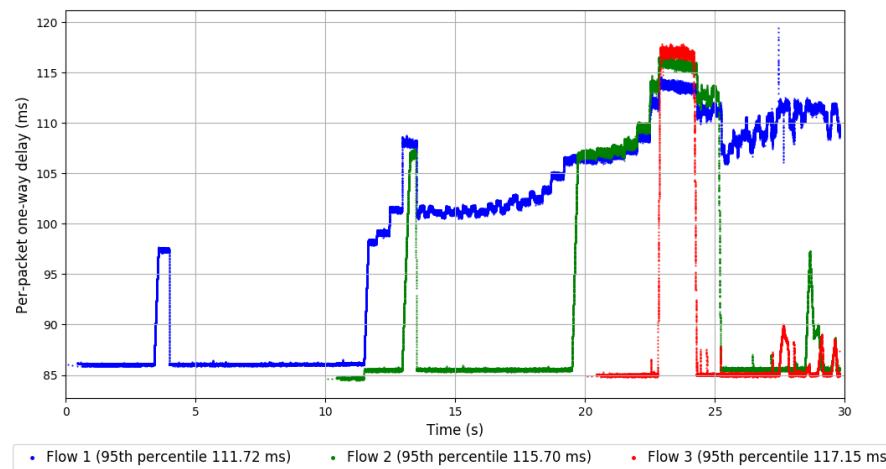
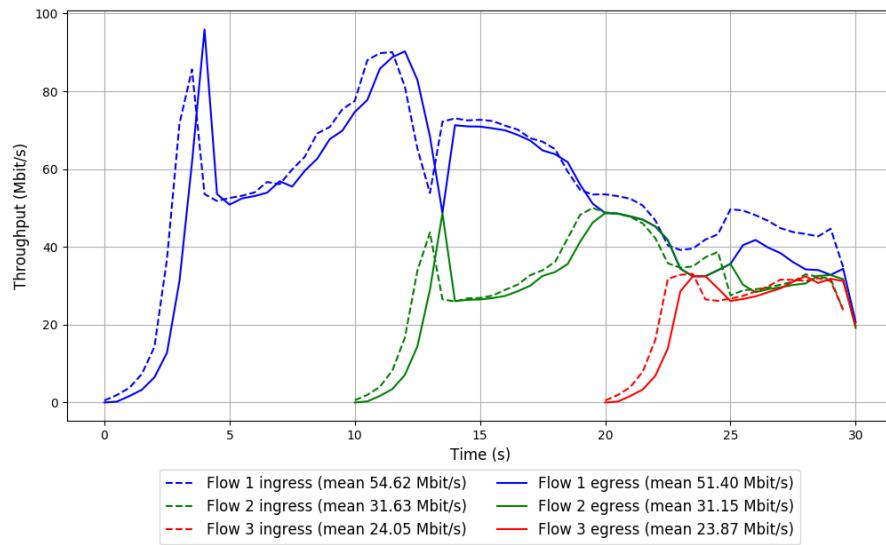


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-25 13:47:08
End at: 2018-05-25 13:47:38
Local clock offset: 1.173 ms
Remote clock offset: 3.11 ms

# Below is generated by plot.py at 2018-05-25 15:39:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 113.684 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 51.40 Mbit/s
95th percentile per-packet one-way delay: 111.715 ms
Loss rate: 6.42%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 115.698 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 117.150 ms
Loss rate: 2.35%
```

Run 6: Report of PCC-Vivace — Data Link

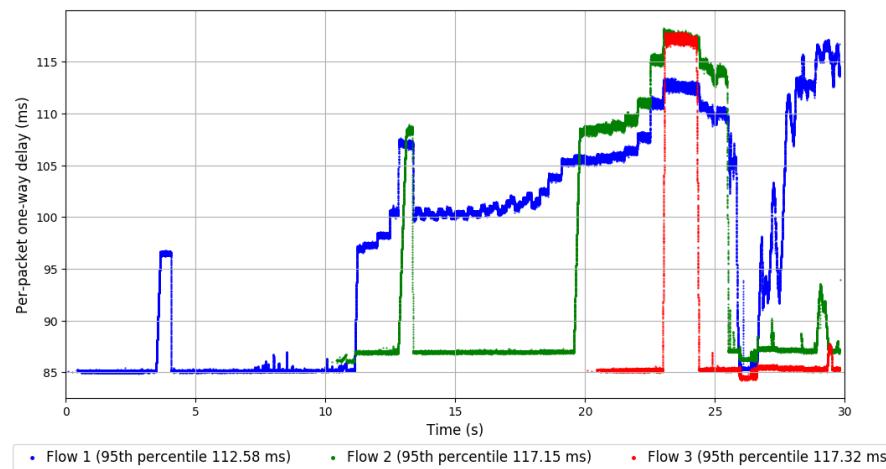
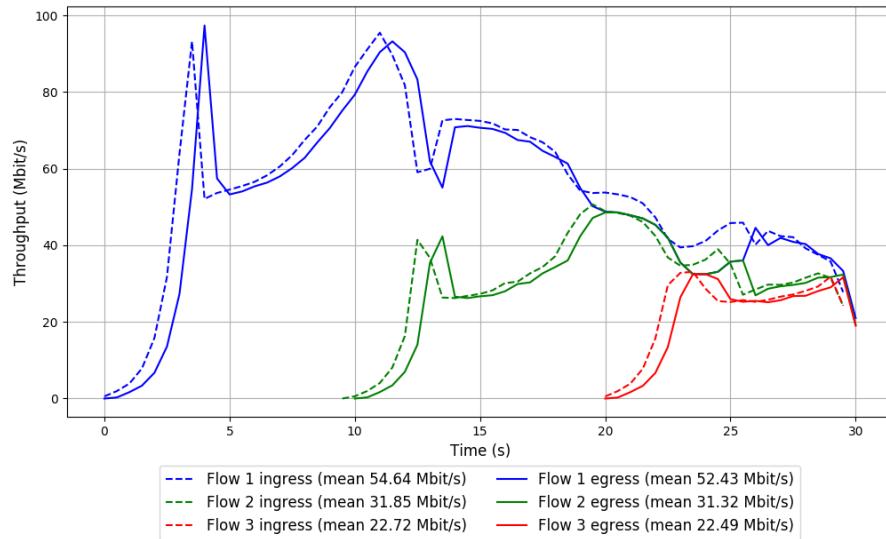


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-25 14:06:47
End at: 2018-05-25 14:07:17
Local clock offset: -5.649 ms
Remote clock offset: 3.704 ms

# Below is generated by plot.py at 2018-05-25 15:39:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 115.169 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 52.43 Mbit/s
95th percentile per-packet one-way delay: 112.583 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 117.149 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 117.316 ms
Loss rate: 2.65%
```

Run 7: Report of PCC-Vivace — Data Link

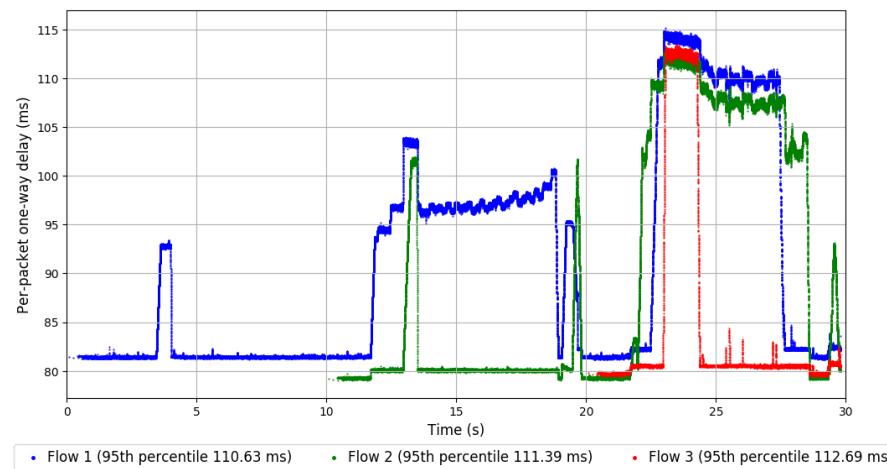
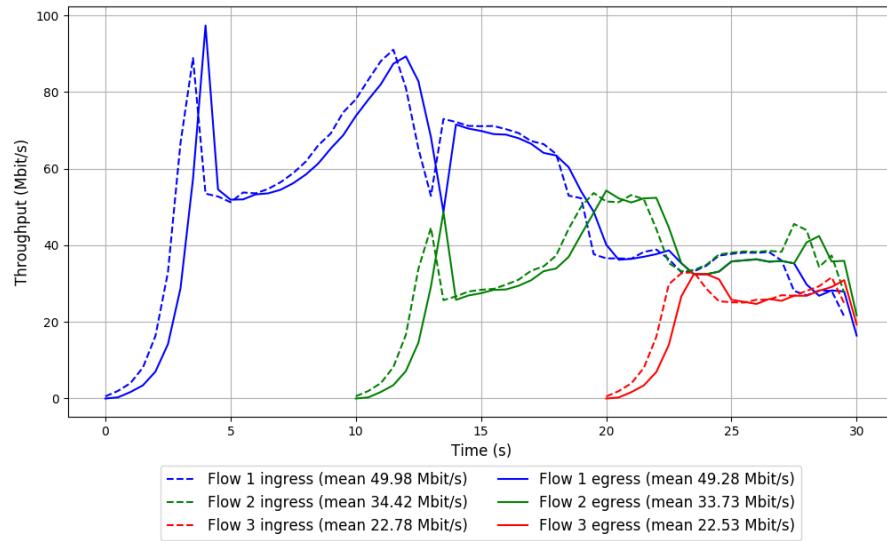


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-25 14:26:26
End at: 2018-05-25 14:26:56
Local clock offset: -7.704 ms
Remote clock offset: 12.668 ms

# Below is generated by plot.py at 2018-05-25 15:39:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 111.579 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 110.630 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 111.390 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 112.694 ms
Loss rate: 2.72%
```

Run 8: Report of PCC-Vivace — Data Link

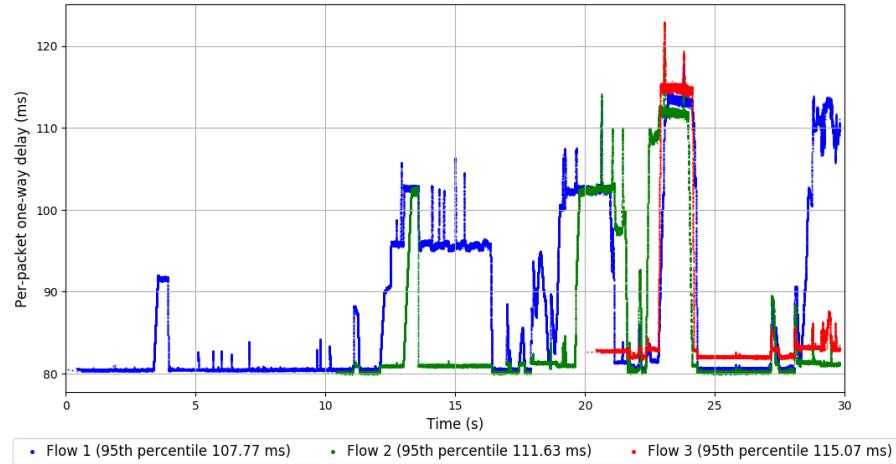
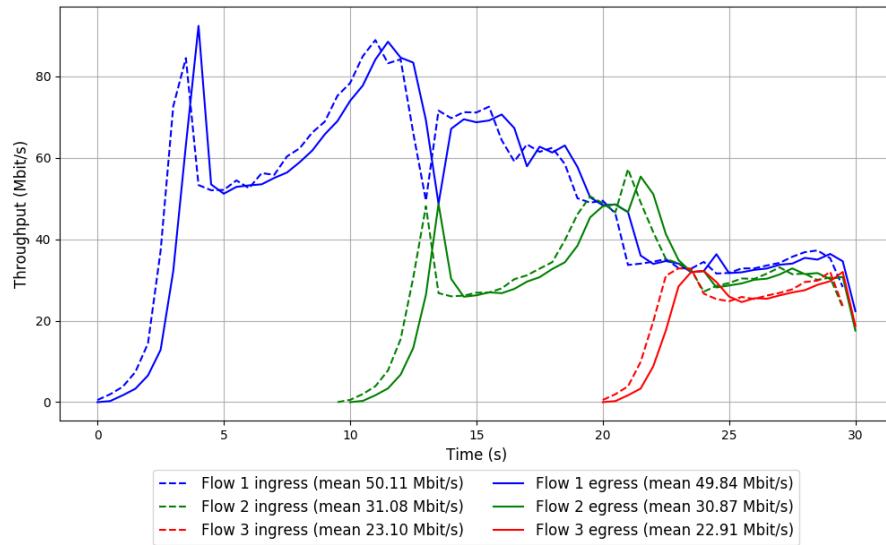


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-25 14:46:04
End at: 2018-05-25 14:46:34
Local clock offset: -2.97 ms
Remote clock offset: 16.603 ms

# Below is generated by plot.py at 2018-05-25 15:39:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 111.597 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 107.768 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 111.632 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 115.073 ms
Loss rate: 2.47%
```

Run 9: Report of PCC-Vivace — Data Link

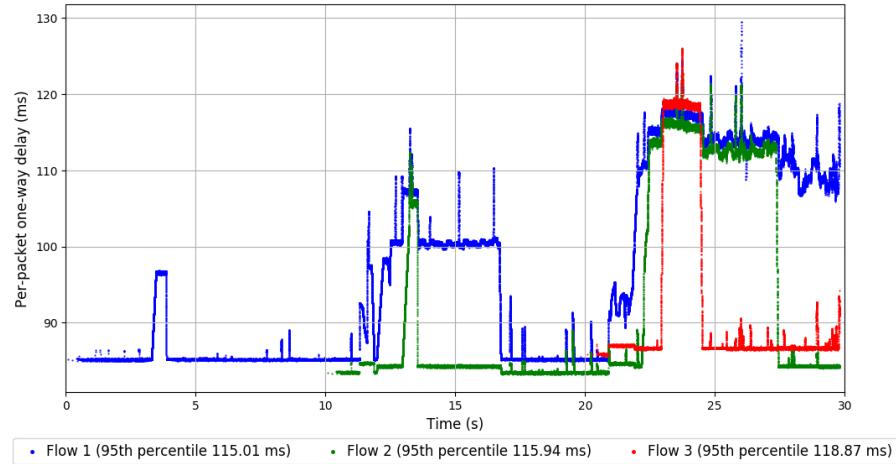
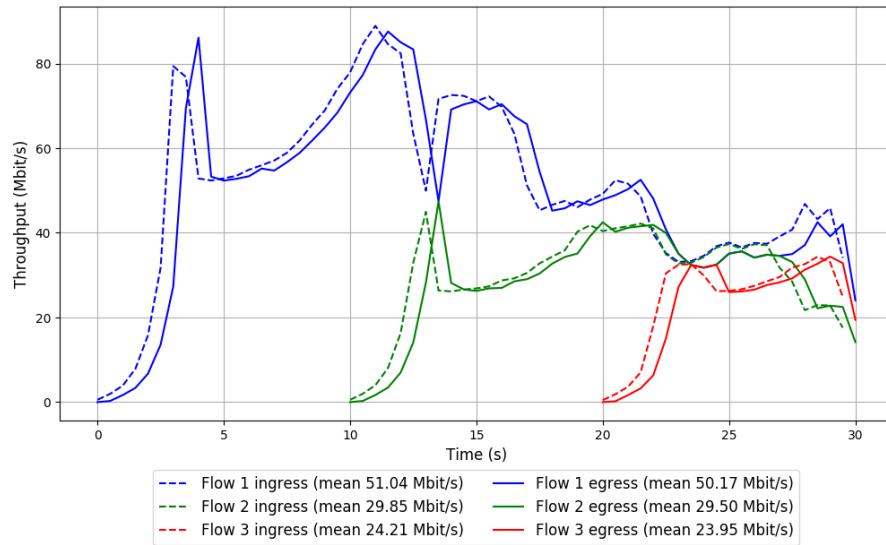


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-25 15:05:43
End at: 2018-05-25 15:06:13
Local clock offset: -3.198 ms
Remote clock offset: 4.867 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 116.322 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 115.008 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 115.942 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 118.871 ms
Loss rate: 2.72%
```

Run 10: Report of PCC-Vivace — Data Link

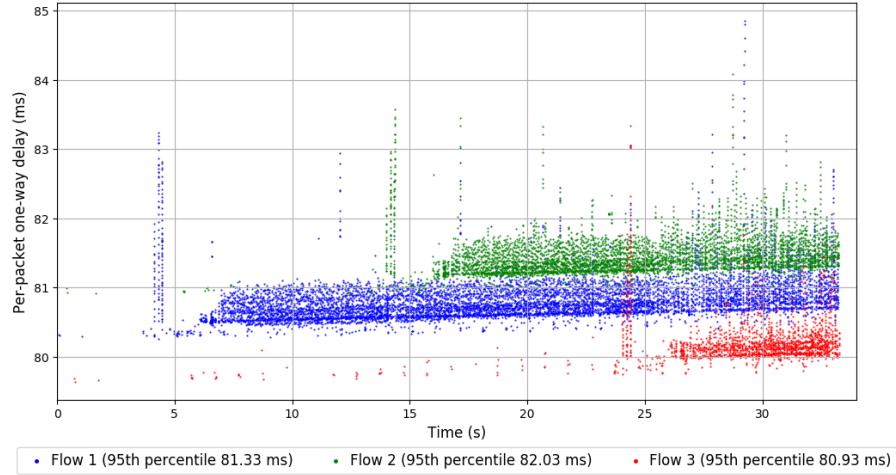
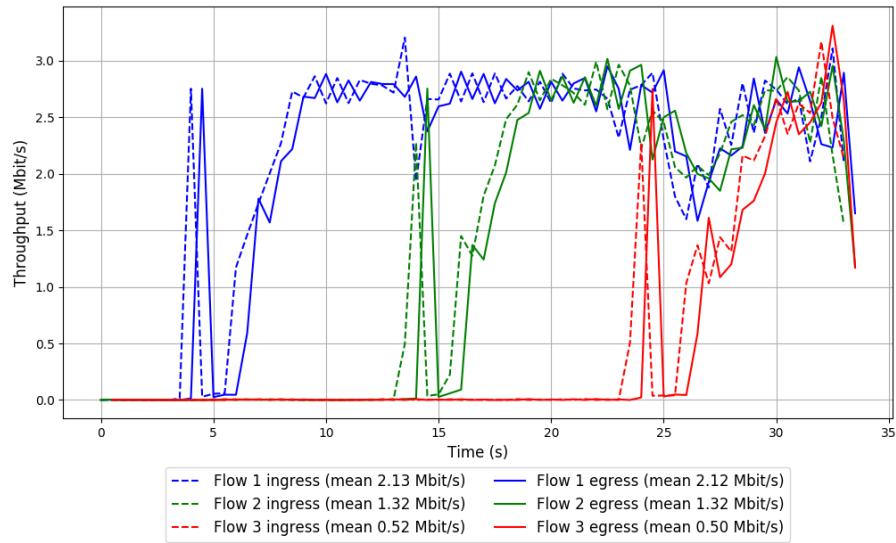


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-25 12:11:22
End at: 2018-05-25 12:11:52
Local clock offset: -6.615 ms
Remote clock offset: 12.064 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 81.759 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 81.330 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 82.027 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 80.929 ms
Loss rate: 3.28%
```

Run 1: Report of WebRTC media — Data Link

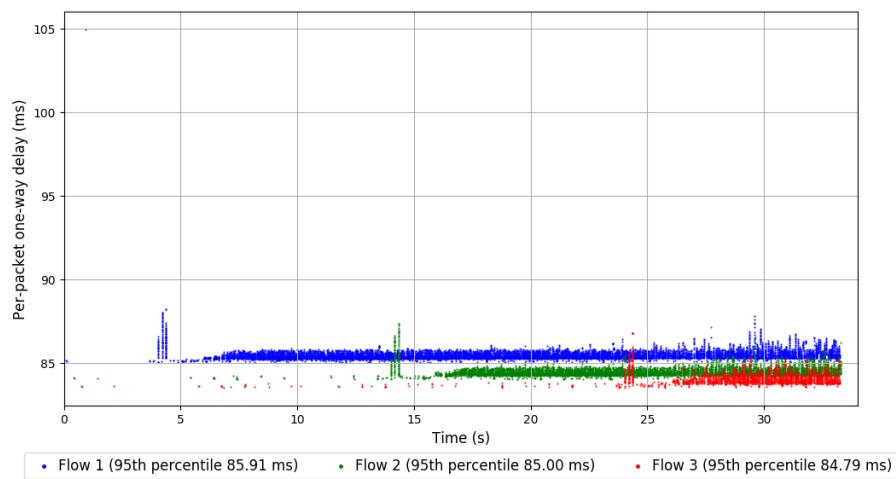
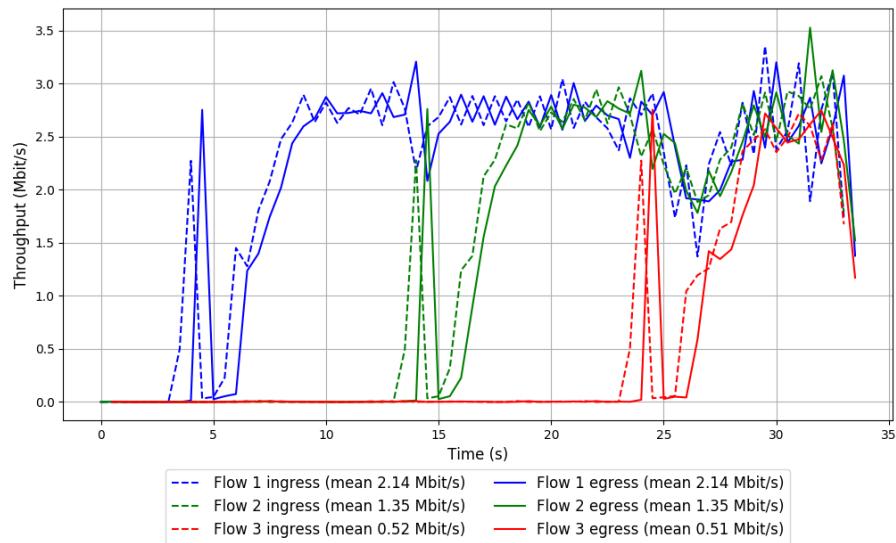


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-25 12:31:01
End at: 2018-05-25 12:31:31
Local clock offset: -7.412 ms
Remote clock offset: 12.112 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 85.787 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 85.911 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 85.002 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 84.790 ms
Loss rate: 2.69%
```

Run 2: Report of WebRTC media — Data Link

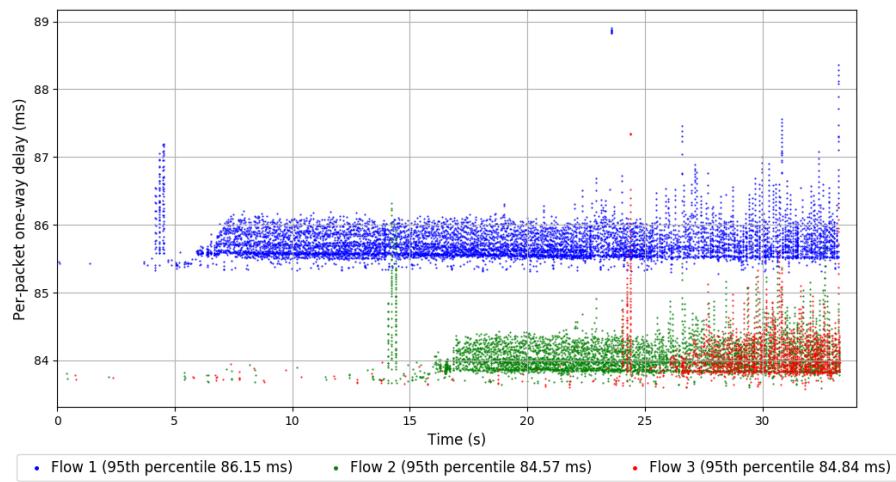
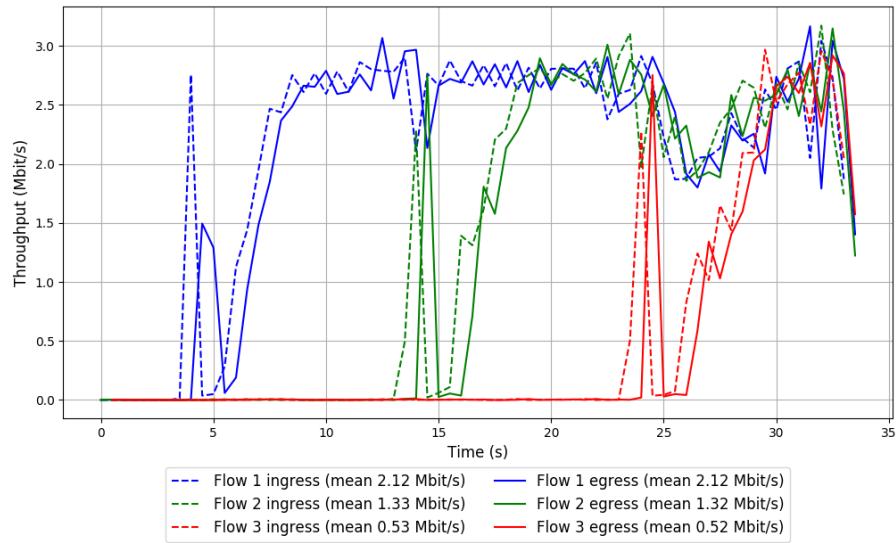


```
Run 3: Statistics of WebRTC media

Start at: 2018-05-25 12:50:40
End at: 2018-05-25 12:51:10
Local clock offset: -7.438 ms
Remote clock offset: 4.356 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 86.037 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 86.150 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 84.573 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 84.838 ms
Loss rate: 2.44%
```

Run 3: Report of WebRTC media — Data Link

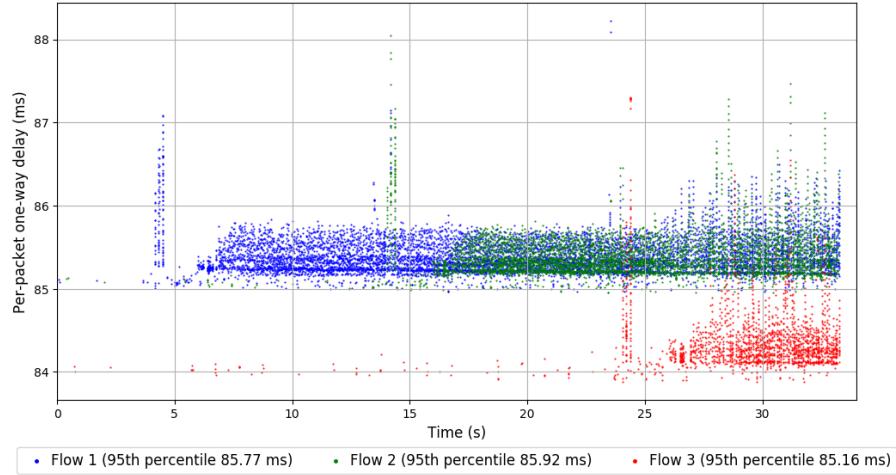
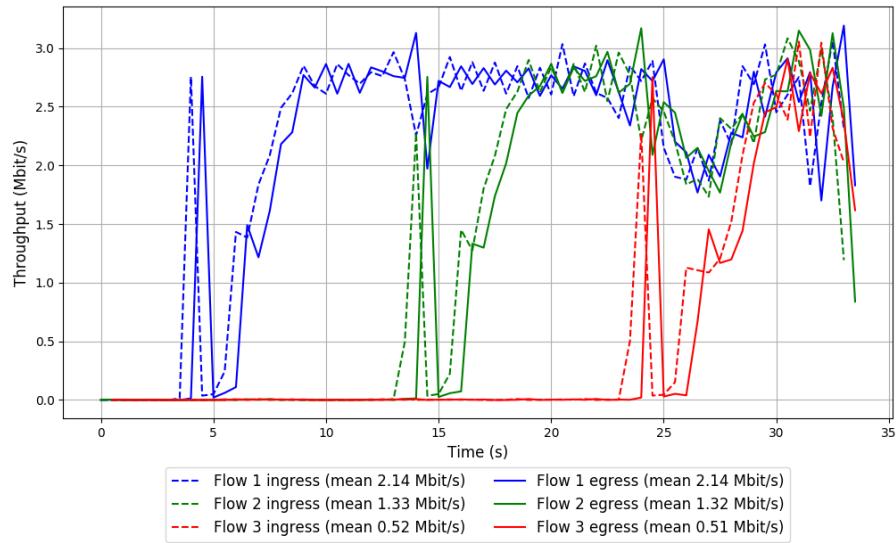


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-25 13:10:19
End at: 2018-05-25 13:10:49
Local clock offset: -1.63 ms
Remote clock offset: 3.741 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 85.788 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 85.772 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 85.922 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 85.158 ms
Loss rate: 2.50%
```

Run 4: Report of WebRTC media — Data Link

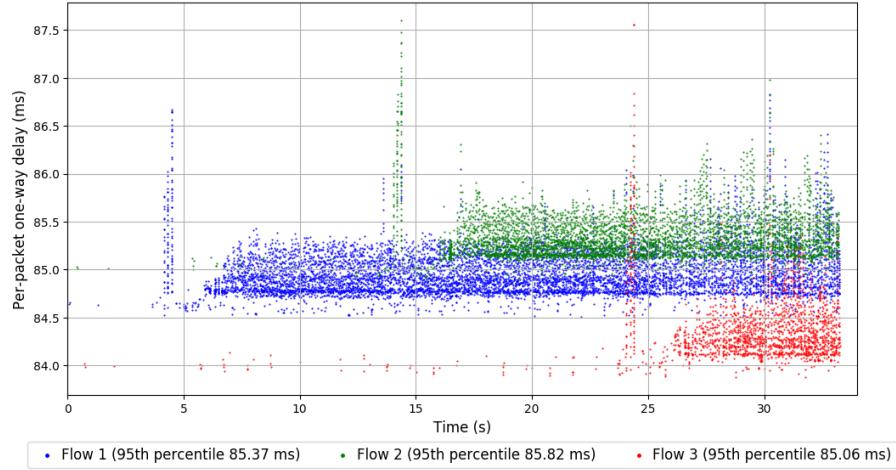
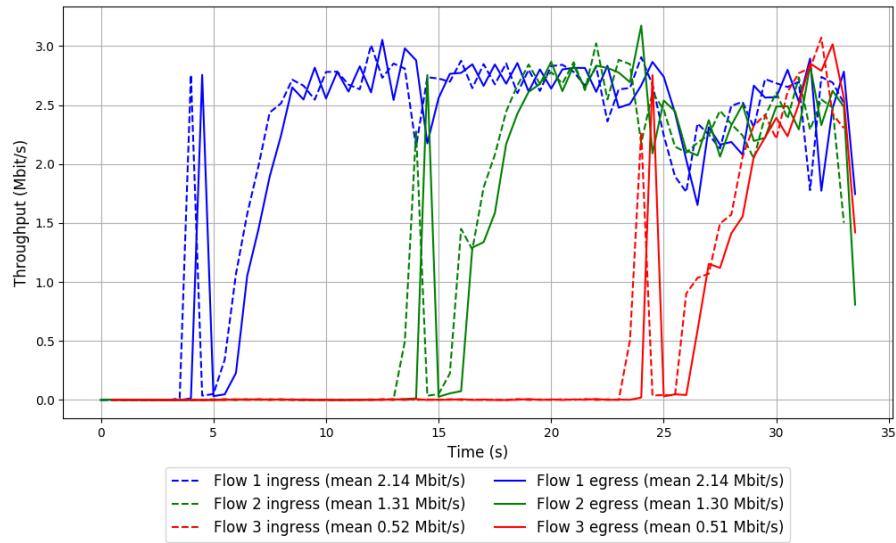


```
Run 5: Statistics of WebRTC media

Start at: 2018-05-25 13:29:58
End at: 2018-05-25 13:30:28
Local clock offset: 0.256 ms
Remote clock offset: 3.819 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 85.635 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 85.374 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 85.817 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 85.061 ms
Loss rate: 3.51%
```

Run 5: Report of WebRTC media — Data Link

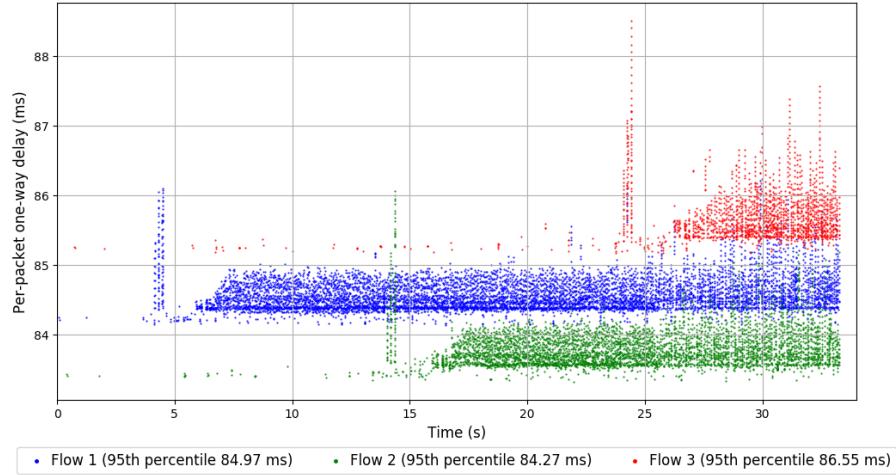
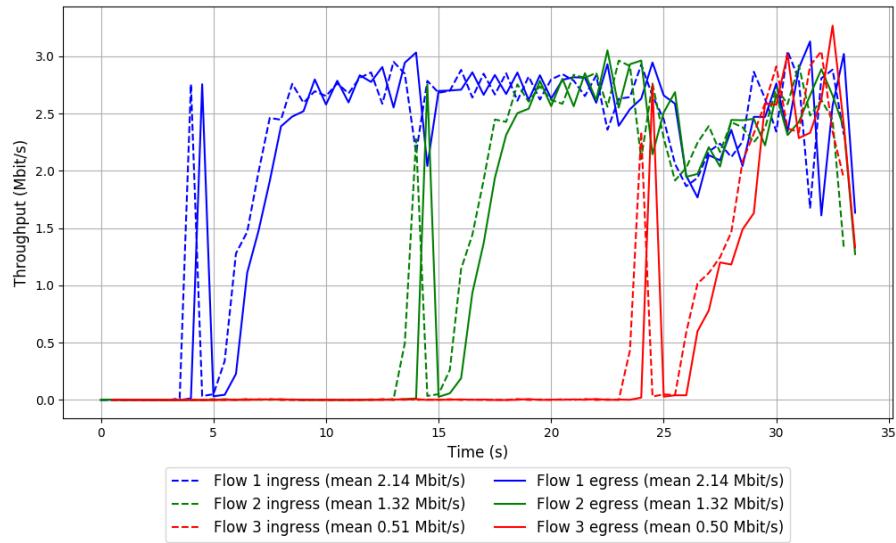


```
Run 6: Statistics of WebRTC media

Start at: 2018-05-25 13:49:37
End at: 2018-05-25 13:50:07
Local clock offset: 0.535 ms
Remote clock offset: 3.197 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 85.756 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 84.970 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 84.272 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 86.551 ms
Loss rate: 2.97%
```

Run 6: Report of WebRTC media — Data Link

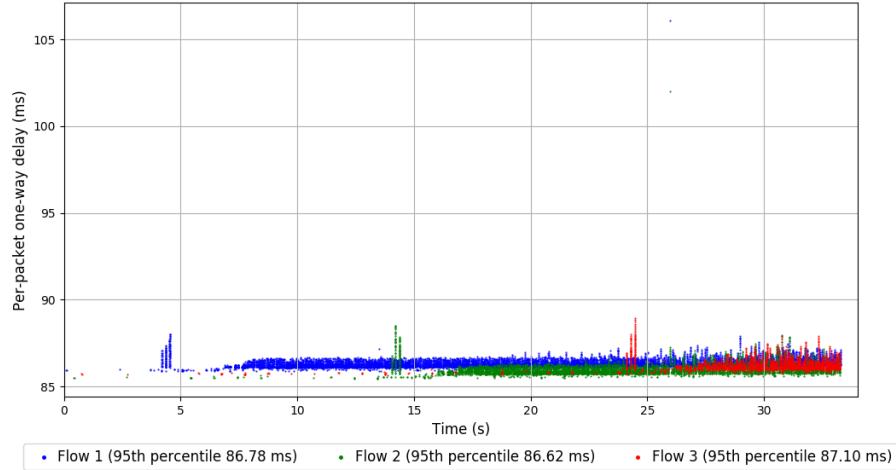
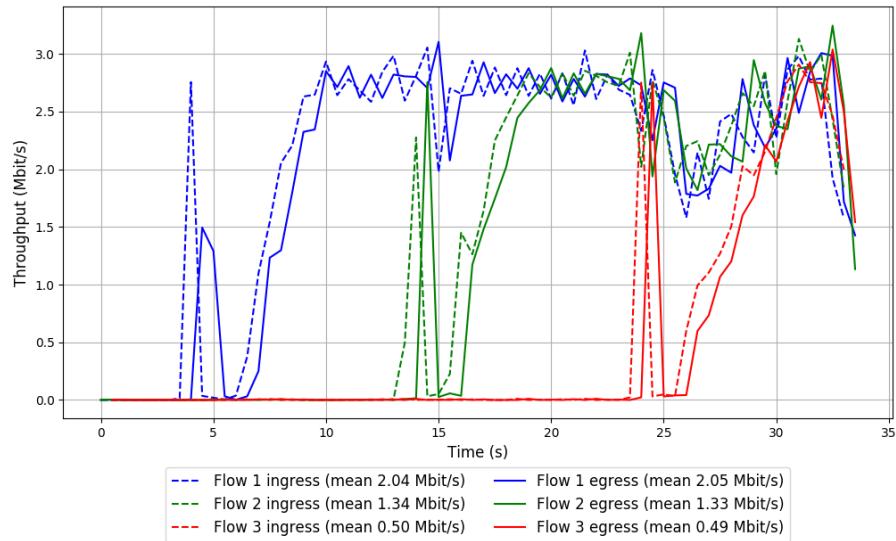


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-25 14:09:16
End at: 2018-05-25 14:09:46
Local clock offset: -6.339 ms
Remote clock offset: 3.613 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 86.791 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 86.775 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 86.621 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 87.100 ms
Loss rate: 2.59%
```

Run 7: Report of WebRTC media — Data Link

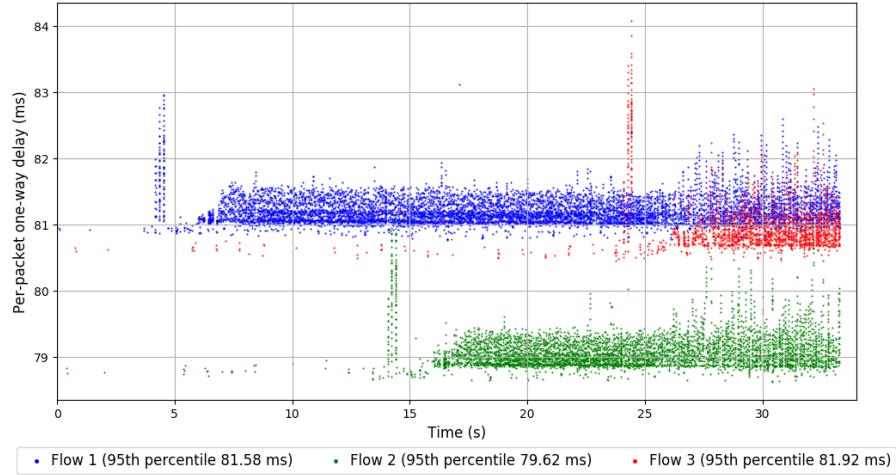
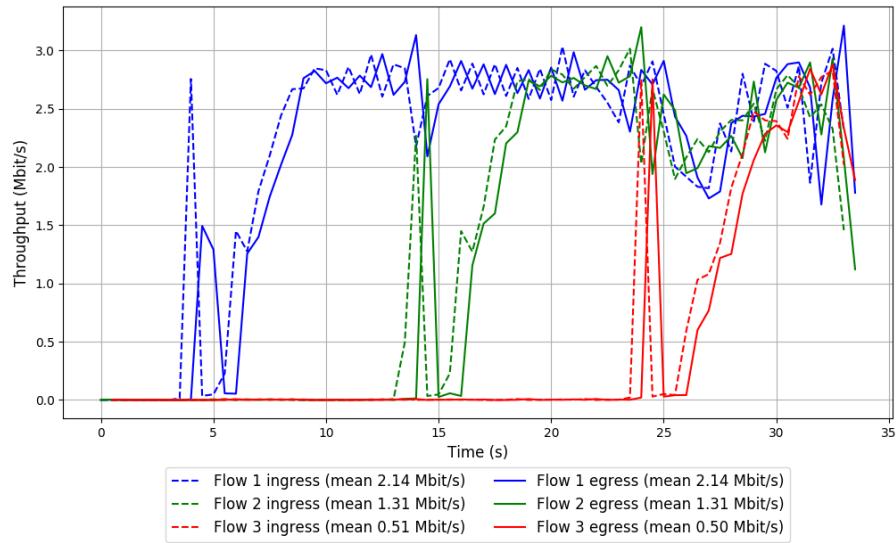


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-25 14:28:54
End at: 2018-05-25 14:29:24
Local clock offset: -7.142 ms
Remote clock offset: 13.376 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 81.525 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 81.579 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 79.622 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 81.921 ms
Loss rate: 2.34%
```

Run 8: Report of WebRTC media — Data Link

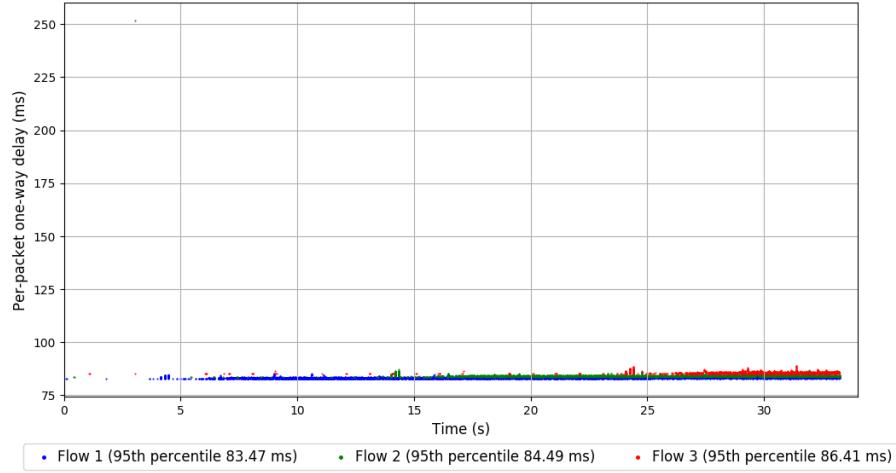
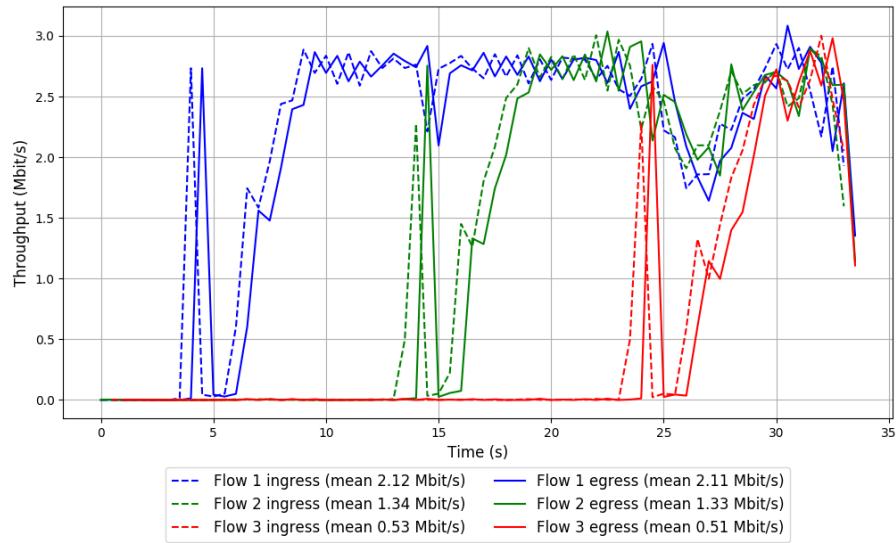


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-25 14:48:33
End at: 2018-05-25 14:49:03
Local clock offset: -3.625 ms
Remote clock offset: 13.054 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 85.533 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 83.473 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 84.490 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 86.413 ms
Loss rate: 3.94%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-25 15:08:11
End at: 2018-05-25 15:08:41
Local clock offset: -3.927 ms
Remote clock offset: 4.152 ms

# Below is generated by plot.py at 2018-05-25 15:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 85.300 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 84.766 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 84.913 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 85.832 ms
Loss rate: 2.66%
```

Run 10: Report of WebRTC media — Data Link

