

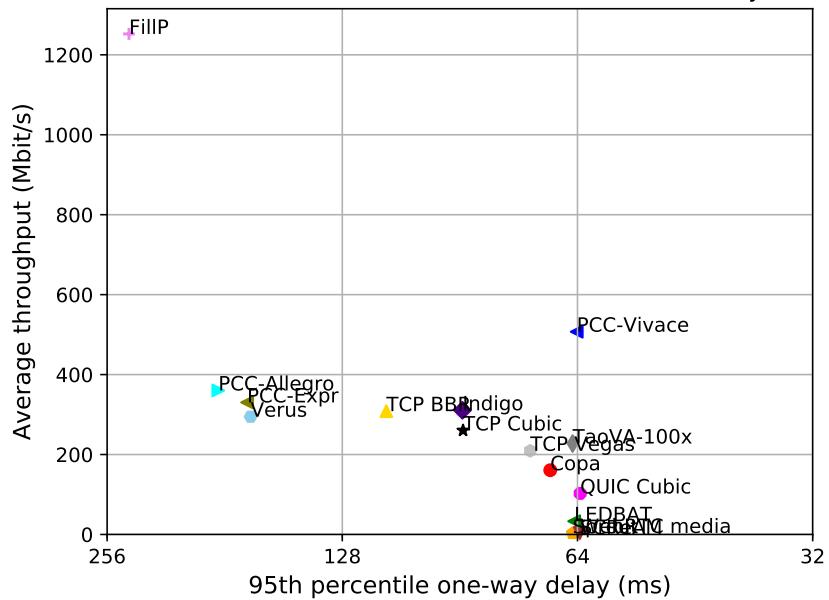
Pantheon Report

Generated at 2018-05-31 16:45:14 (UTC).
Data path: GCE Iowa Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

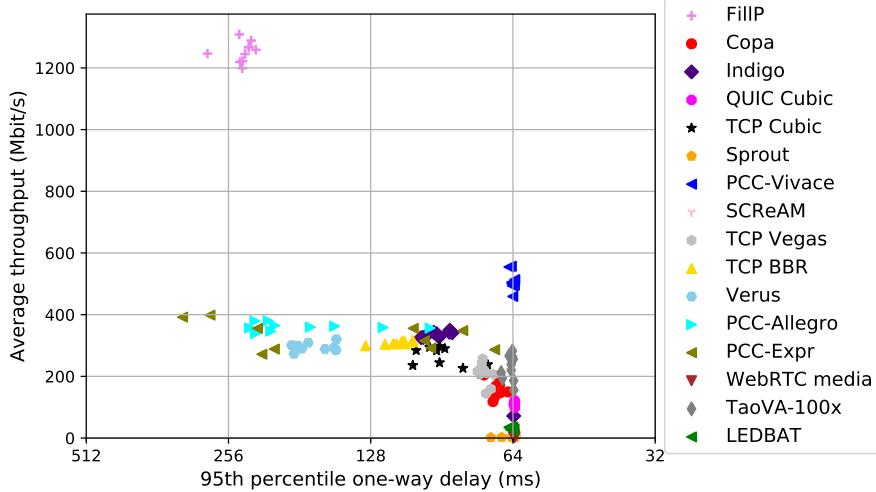
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
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
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa to GCE Tokyo, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Iowa to GCE Tokyo, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



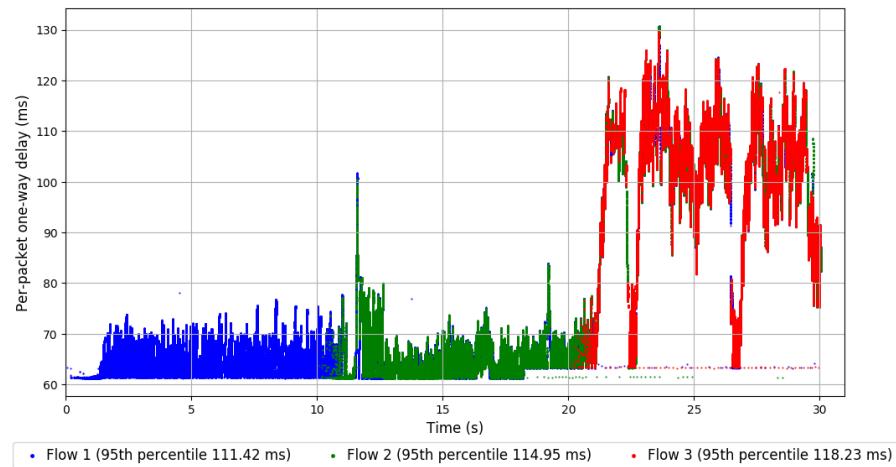
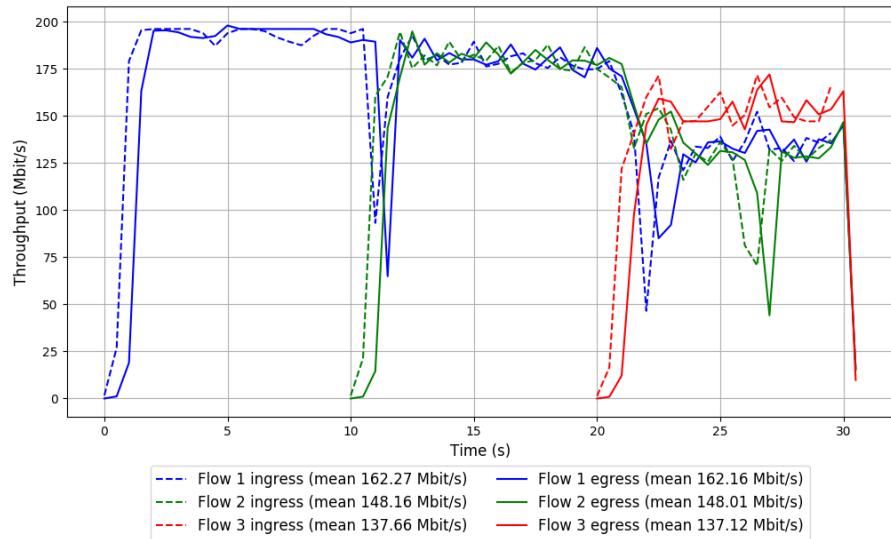
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 162.23 | 153.15 | 133.06 | 108.66 | 112.26 | 117.83 | 0.09 | 0.14 | 0.46 |
| Copa | 10 | 99.68 | 66.38 | 57.30 | 68.12 | 70.48 | 71.45 | 0.00 | 0.00 | 0.00 |
| TCP Cubic | 10 | 154.98 | 114.73 | 87.09 | 88.55 | 88.96 | 92.12 | 0.04 | 0.12 | 0.24 |
| FillP | 10 | 639.84 | 631.27 | 578.80 | 241.88 | 241.64 | 185.52 | 0.44 | 0.53 | 1.02 |
| Indigo | 10 | 177.39 | 152.41 | 99.34 | 86.34 | 91.34 | 97.86 | 0.05 | 0.06 | 0.11 |
| LEDBAT | 10 | 20.94 | 14.67 | 7.30 | 64.68 | 64.56 | 64.41 | 0.01 | 0.00 | 0.00 |
| PCC-Allegro | 10 | 317.39 | 48.23 | 33.06 | 183.31 | 186.75 | 179.96 | 0.47 | 0.52 | 0.78 |
| PCC-Expr | 10 | 235.58 | 114.63 | 56.10 | 169.34 | 153.68 | 157.91 | 2.57 | 2.12 | 4.09 |
| QUIC Cubic | 10 | 55.18 | 46.16 | 51.43 | 63.24 | 63.18 | 63.67 | 0.00 | 0.00 | 0.00 |
| SCReAM | 10 | 0.22 | 0.22 | 0.22 | 63.56 | 63.10 | 63.19 | 0.00 | 0.00 | 0.03 |
| Sprout | 10 | 1.18 | 1.50 | 2.23 | 64.71 | 65.01 | 64.66 | 0.00 | 0.00 | 0.00 |
| TaoVA-100x | 10 | 141.03 | 90.12 | 82.47 | 63.96 | 66.33 | 68.52 | 0.00 | 0.00 | 0.00 |
| TCP Vegas | 10 | 113.02 | 107.77 | 73.65 | 72.87 | 73.81 | 72.68 | 0.00 | 0.00 | 0.11 |
| Verus | 10 | 182.55 | 122.36 | 95.52 | 152.53 | 174.68 | 194.73 | 0.27 | 0.47 | 2.08 |
| PCC-Vivace | 10 | 301.75 | 240.91 | 137.00 | 64.71 | 64.05 | 63.33 | 0.00 | 0.00 | 0.00 |
| WebRTC media | 10 | 2.00 | 1.34 | 0.51 | 63.35 | 63.24 | 63.70 | 0.01 | 0.00 | 0.00 |

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-31 11:10:46
End at: 2018-05-31 11:11:16
Local clock offset: -0.531 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-05-31 14:57:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 306.24 Mbit/s
95th percentile per-packet one-way delay: 114.679 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 162.16 Mbit/s
95th percentile per-packet one-way delay: 111.415 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 148.01 Mbit/s
95th percentile per-packet one-way delay: 114.946 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 137.12 Mbit/s
95th percentile per-packet one-way delay: 118.233 ms
Loss rate: 0.69%
```

Run 1: Report of TCP BBR — Data Link

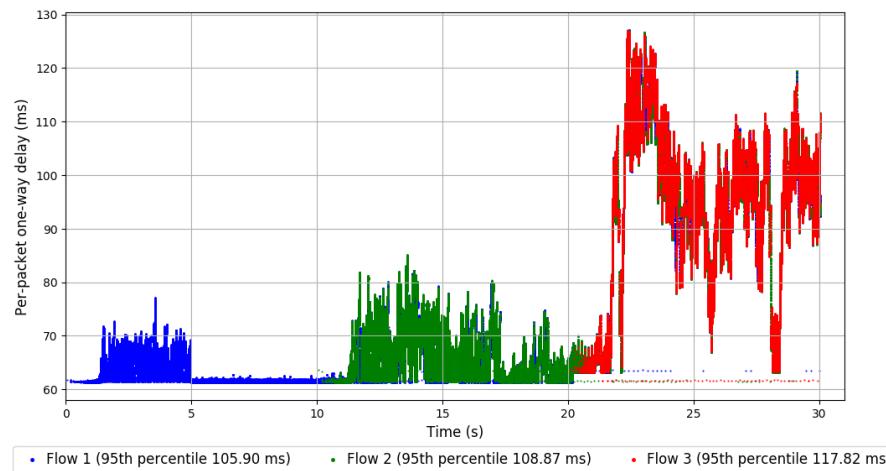
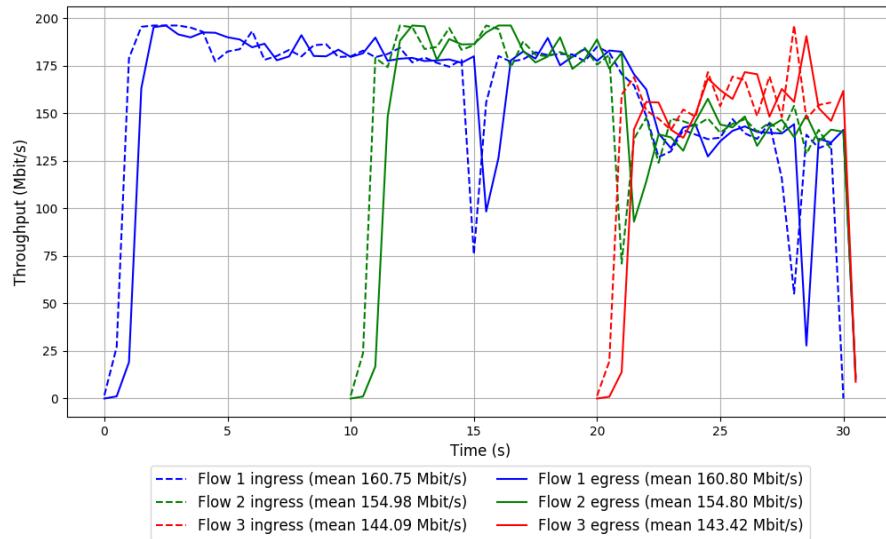


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-31 11:33:24
End at: 2018-05-31 11:33:54
Local clock offset: -0.106 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-05-31 14:57:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.46 Mbit/s
95th percentile per-packet one-way delay: 110.039 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 160.80 Mbit/s
95th percentile per-packet one-way delay: 105.904 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 154.80 Mbit/s
95th percentile per-packet one-way delay: 108.872 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 143.42 Mbit/s
95th percentile per-packet one-way delay: 117.819 ms
Loss rate: 0.63%
```

Run 2: Report of TCP BBR — Data Link

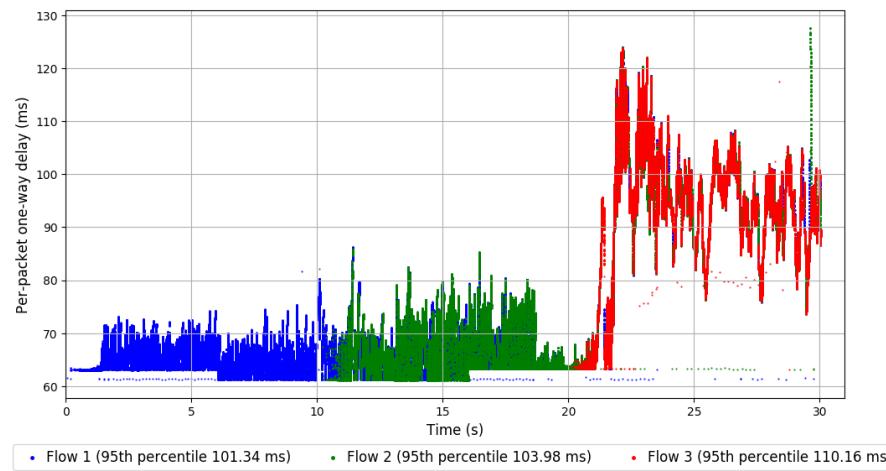
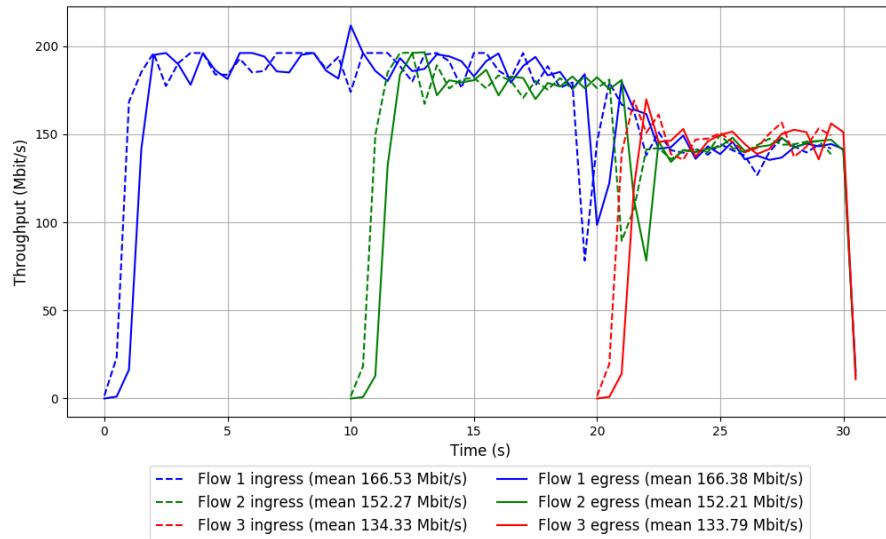


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-31 11:56:09
End at: 2018-05-31 11:56:39
Local clock offset: 0.136 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2018-05-31 14:57:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.14 Mbit/s
95th percentile per-packet one-way delay: 104.360 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 166.38 Mbit/s
95th percentile per-packet one-way delay: 101.343 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 152.21 Mbit/s
95th percentile per-packet one-way delay: 103.978 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 133.79 Mbit/s
95th percentile per-packet one-way delay: 110.156 ms
Loss rate: 0.42%
```

Run 3: Report of TCP BBR — Data Link

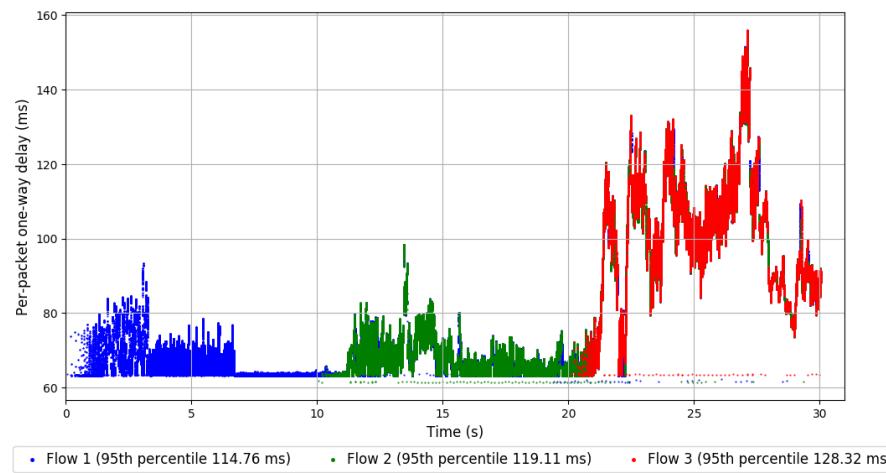
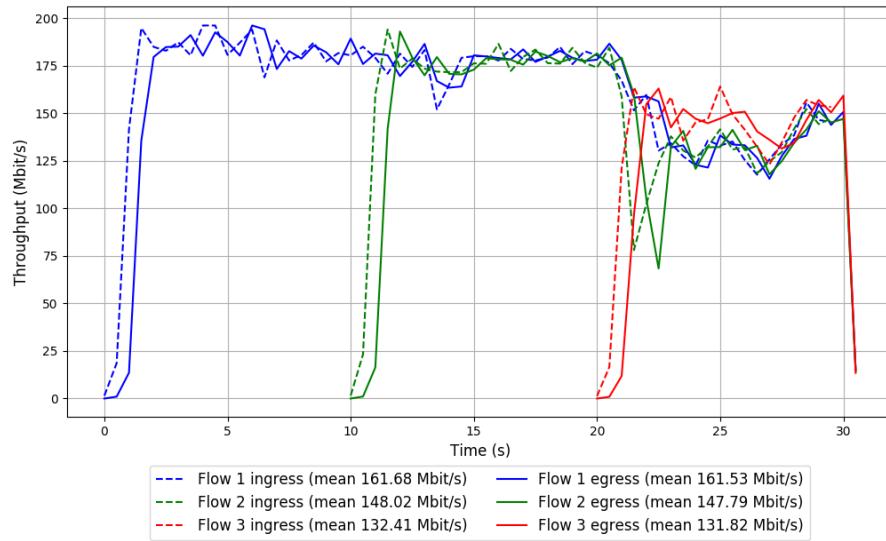


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-31 12:19:05
End at: 2018-05-31 12:19:35
Local clock offset: 0.064 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2018-05-31 14:57:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 303.88 Mbit/s
95th percentile per-packet one-way delay: 119.358 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 161.53 Mbit/s
95th percentile per-packet one-way delay: 114.760 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 147.79 Mbit/s
95th percentile per-packet one-way delay: 119.108 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 131.82 Mbit/s
95th percentile per-packet one-way delay: 128.325 ms
Loss rate: 0.44%
```

Run 4: Report of TCP BBR — Data Link

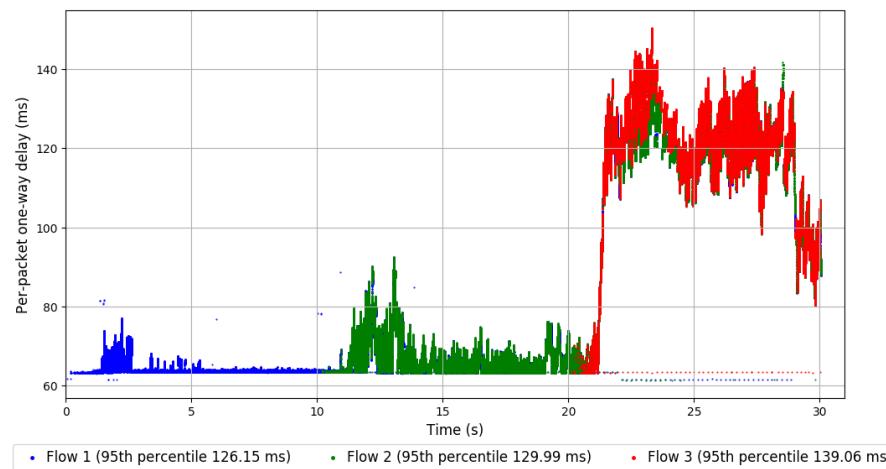
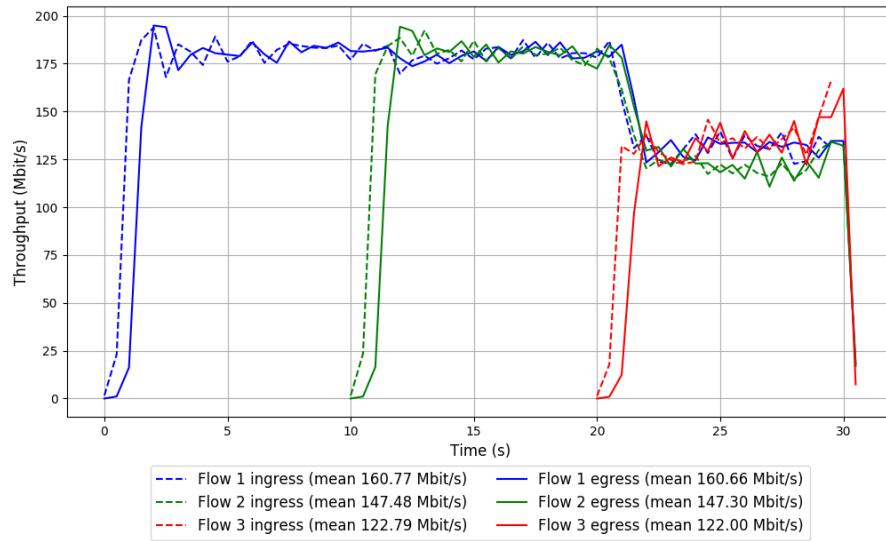


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-31 12:41:43
End at: 2018-05-31 12:42:13
Local clock offset: -0.033 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-05-31 14:57:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.22 Mbit/s
95th percentile per-packet one-way delay: 131.197 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 160.66 Mbit/s
95th percentile per-packet one-way delay: 126.151 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 147.30 Mbit/s
95th percentile per-packet one-way delay: 129.993 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 122.00 Mbit/s
95th percentile per-packet one-way delay: 139.063 ms
Loss rate: 0.86%
```

Run 5: Report of TCP BBR — Data Link

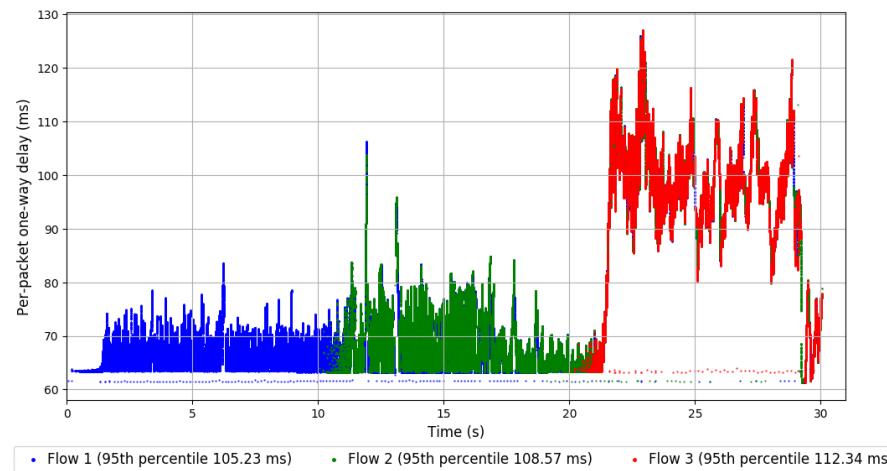
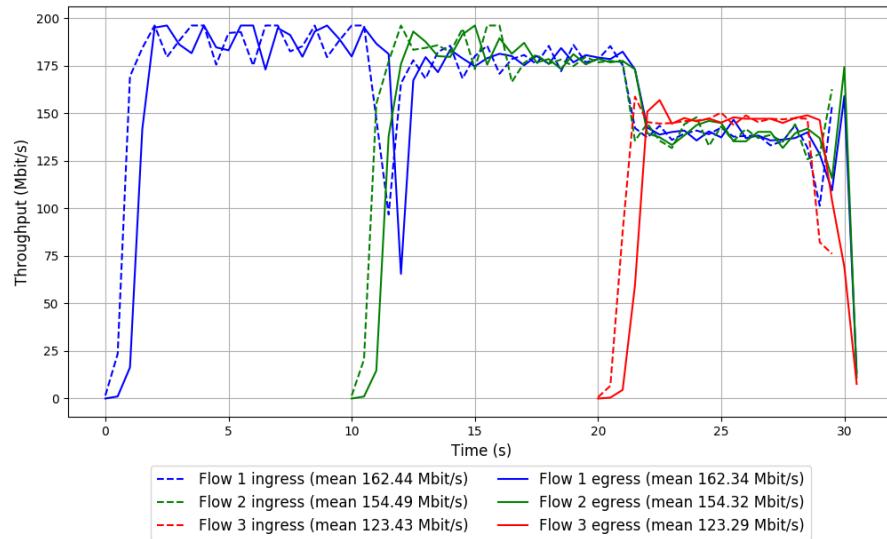


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-31 13:04:05
End at: 2018-05-31 13:04:35
Local clock offset: -0.02 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-05-31 14:57:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 306.16 Mbit/s
95th percentile per-packet one-way delay: 108.388 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 162.34 Mbit/s
95th percentile per-packet one-way delay: 105.235 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 154.32 Mbit/s
95th percentile per-packet one-way delay: 108.567 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 123.29 Mbit/s
95th percentile per-packet one-way delay: 112.340 ms
Loss rate: 0.11%
```

Run 6: Report of TCP BBR — Data Link

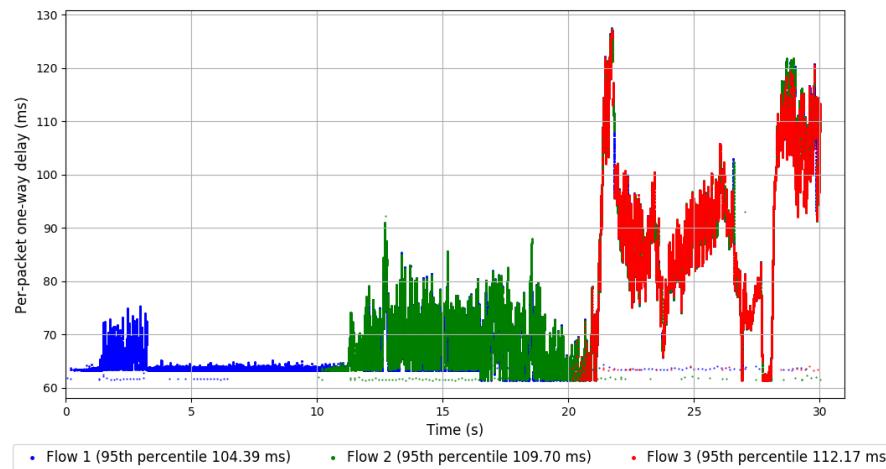
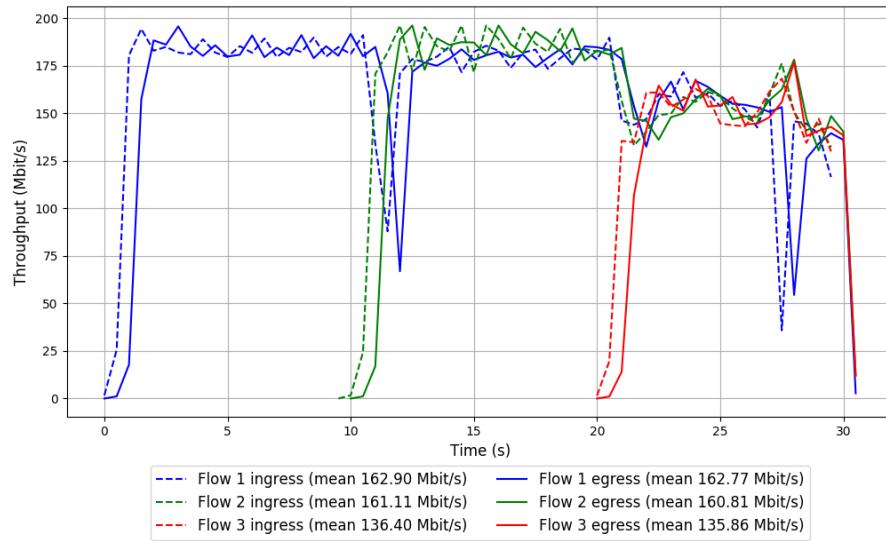


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-31 13:26:38
End at: 2018-05-31 13:27:08
Local clock offset: -0.039 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-31 14:57:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 315.04 Mbit/s
95th percentile per-packet one-way delay: 108.797 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 162.77 Mbit/s
95th percentile per-packet one-way delay: 104.395 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 160.81 Mbit/s
95th percentile per-packet one-way delay: 109.697 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 135.86 Mbit/s
95th percentile per-packet one-way delay: 112.166 ms
Loss rate: 0.38%
```

Run 7: Report of TCP BBR — Data Link

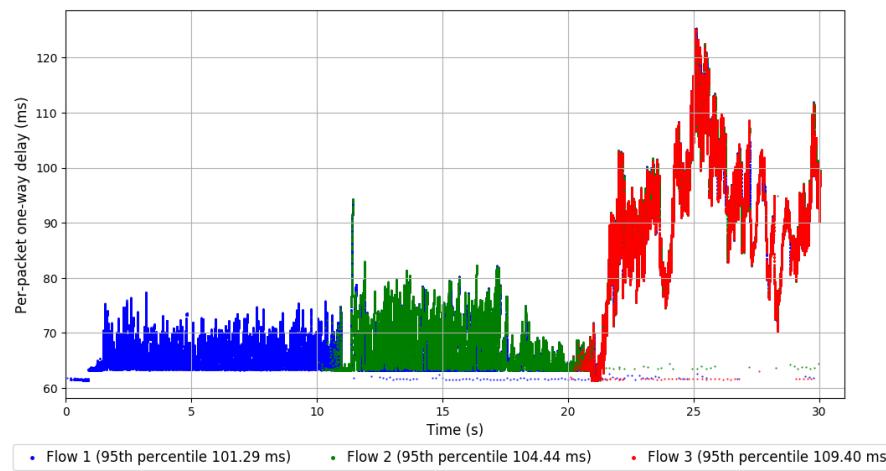
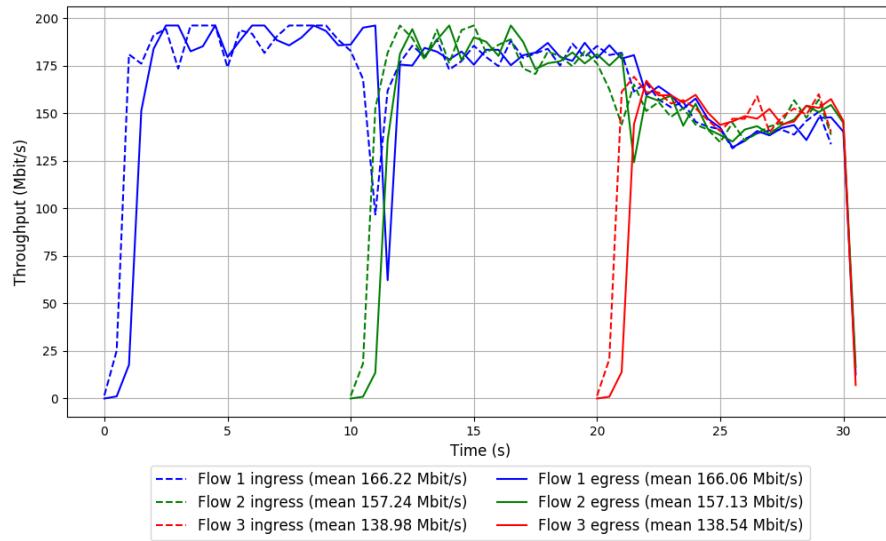


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-31 13:49:24
End at: 2018-05-31 13:49:54
Local clock offset: -0.017 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-31 14:57:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 316.64 Mbit/s
95th percentile per-packet one-way delay: 104.250 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 166.06 Mbit/s
95th percentile per-packet one-way delay: 101.287 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 157.13 Mbit/s
95th percentile per-packet one-way delay: 104.442 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 138.54 Mbit/s
95th percentile per-packet one-way delay: 109.402 ms
Loss rate: 0.51%
```

Run 8: Report of TCP BBR — Data Link

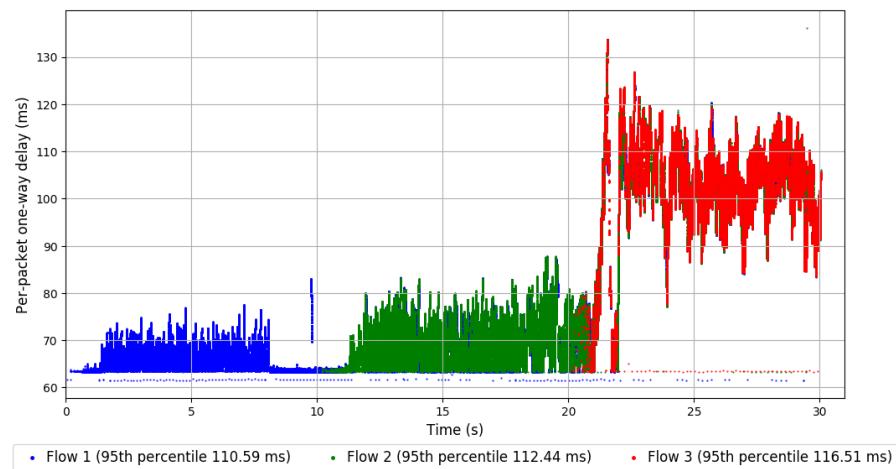
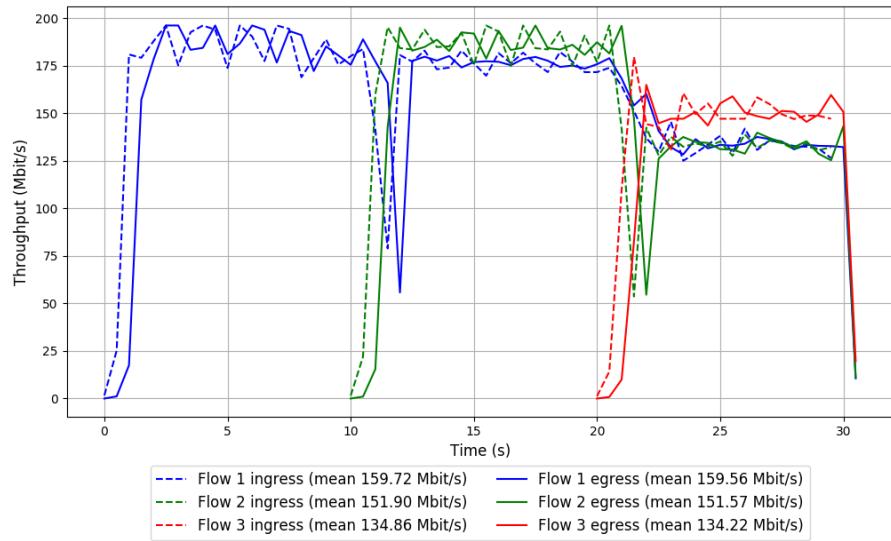


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-31 14:12:09
End at: 2018-05-31 14:12:39
Local clock offset: -0.01 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-05-31 15:02:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.17 Mbit/s
95th percentile per-packet one-way delay: 112.811 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 159.56 Mbit/s
95th percentile per-packet one-way delay: 110.595 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 151.57 Mbit/s
95th percentile per-packet one-way delay: 112.437 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 134.22 Mbit/s
95th percentile per-packet one-way delay: 116.514 ms
Loss rate: 0.18%
```

Run 9: Report of TCP BBR — Data Link

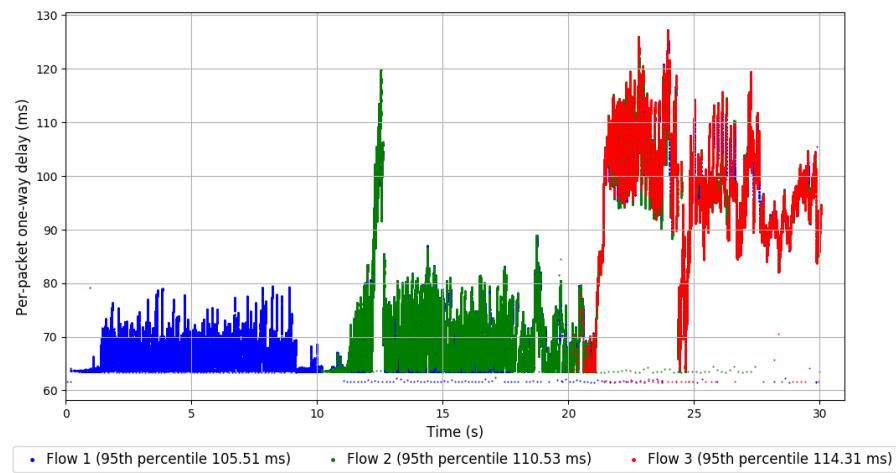
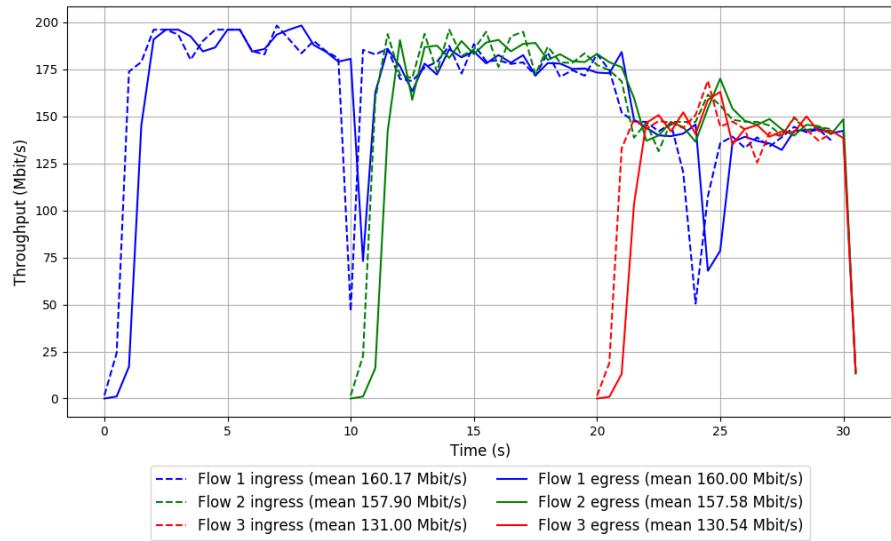


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-31 14:34:54
End at: 2018-05-31 14:35:24
Local clock offset: -0.084 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-05-31 15:02:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.45 Mbit/s
95th percentile per-packet one-way delay: 110.268 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 160.00 Mbit/s
95th percentile per-packet one-way delay: 105.510 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 157.58 Mbit/s
95th percentile per-packet one-way delay: 110.533 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 130.54 Mbit/s
95th percentile per-packet one-way delay: 114.314 ms
Loss rate: 0.36%
```

Run 10: Report of TCP BBR — Data Link

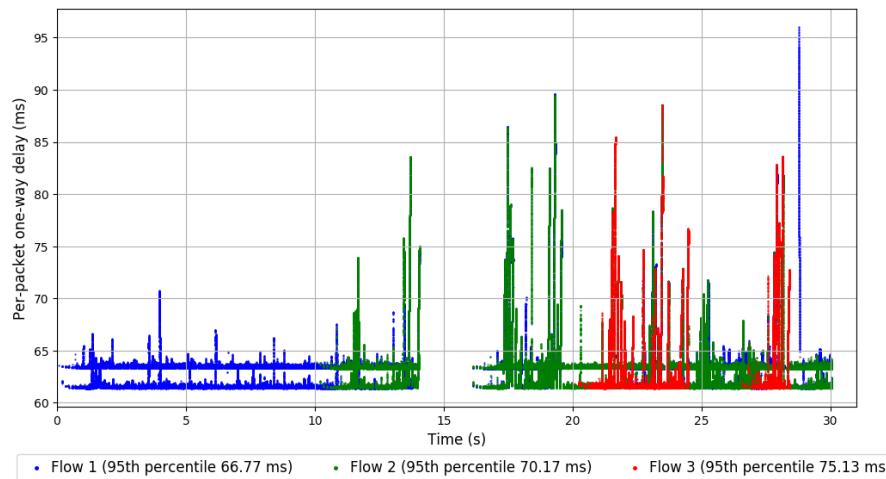
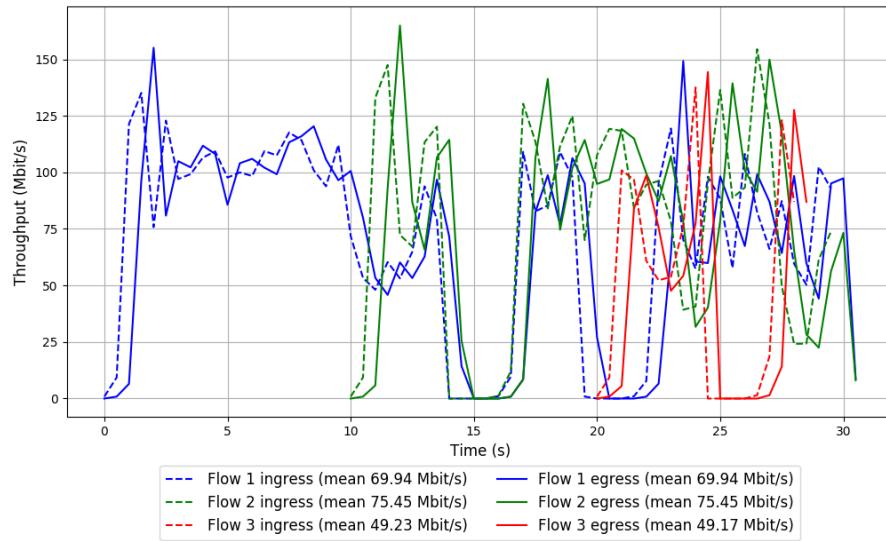


Run 1: Statistics of Copa

```
Start at: 2018-05-31 11:01:00
End at: 2018-05-31 11:01:30
Local clock offset: -0.482 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-05-31 15:02:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 133.84 Mbit/s
95th percentile per-packet one-way delay: 69.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.94 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 70.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 75.126 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

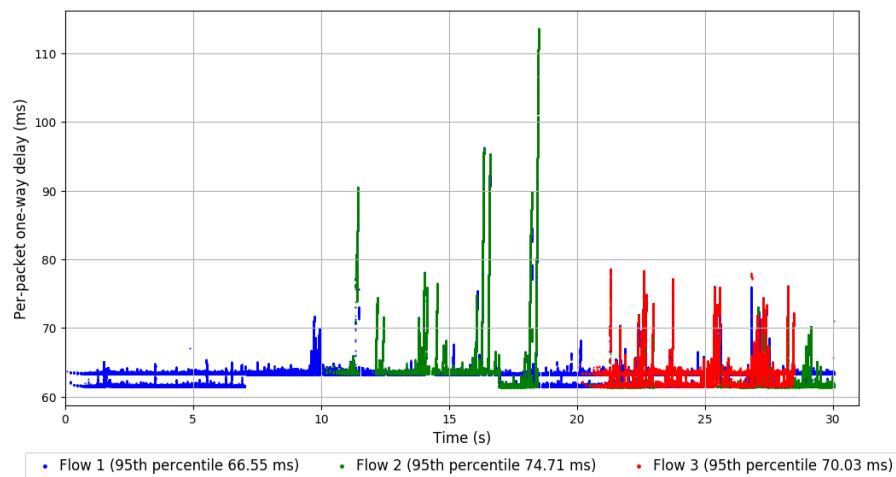
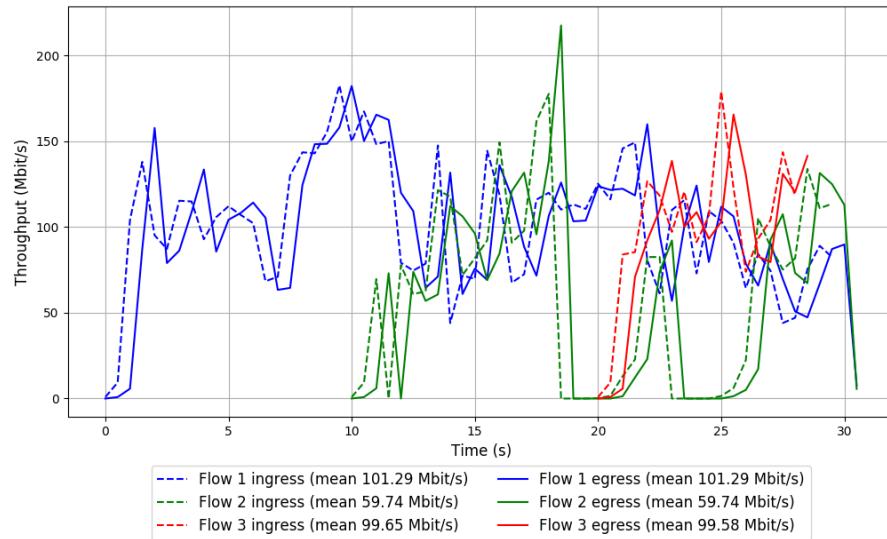


Run 2: Statistics of Copa

```
Start at: 2018-05-31 11:23:08
End at: 2018-05-31 11:23:38
Local clock offset: -0.557 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-05-31 15:02:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 168.99 Mbit/s
95th percentile per-packet one-way delay: 69.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.29 Mbit/s
95th percentile per-packet one-way delay: 66.554 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 74.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 99.58 Mbit/s
95th percentile per-packet one-way delay: 70.027 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

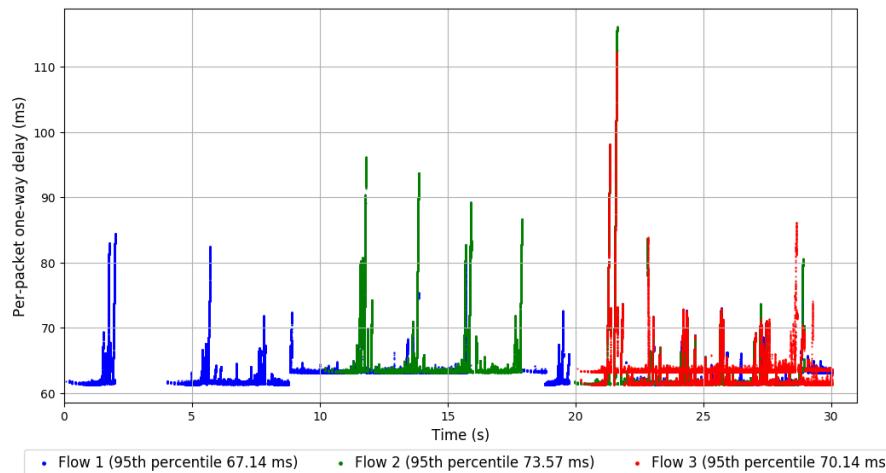
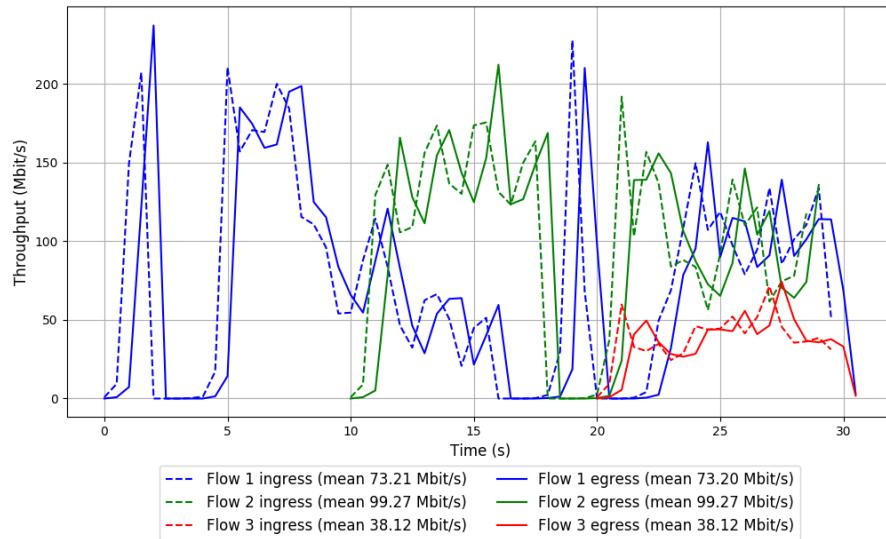


Run 3: Statistics of Copa

```
Start at: 2018-05-31 11:45:56
End at: 2018-05-31 11:46:26
Local clock offset: 0.083 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-05-31 15:02:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 148.37 Mbit/s
95th percentile per-packet one-way delay: 70.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.20 Mbit/s
95th percentile per-packet one-way delay: 67.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.27 Mbit/s
95th percentile per-packet one-way delay: 73.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 70.144 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

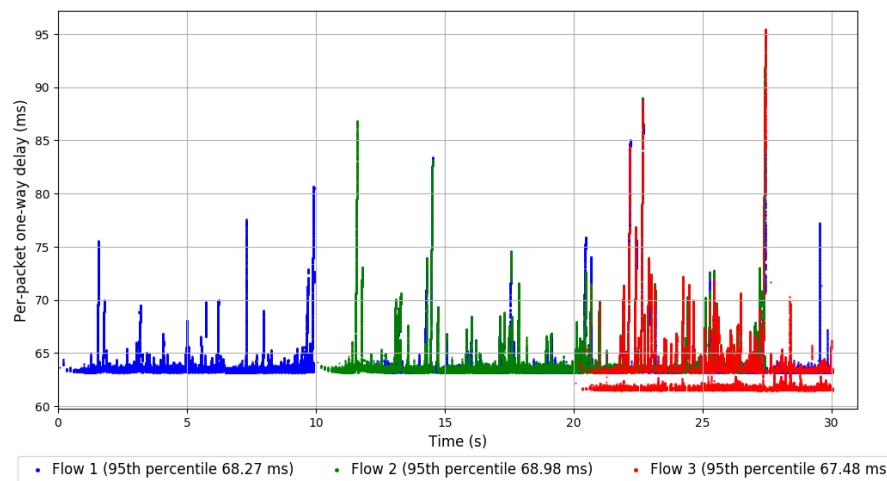
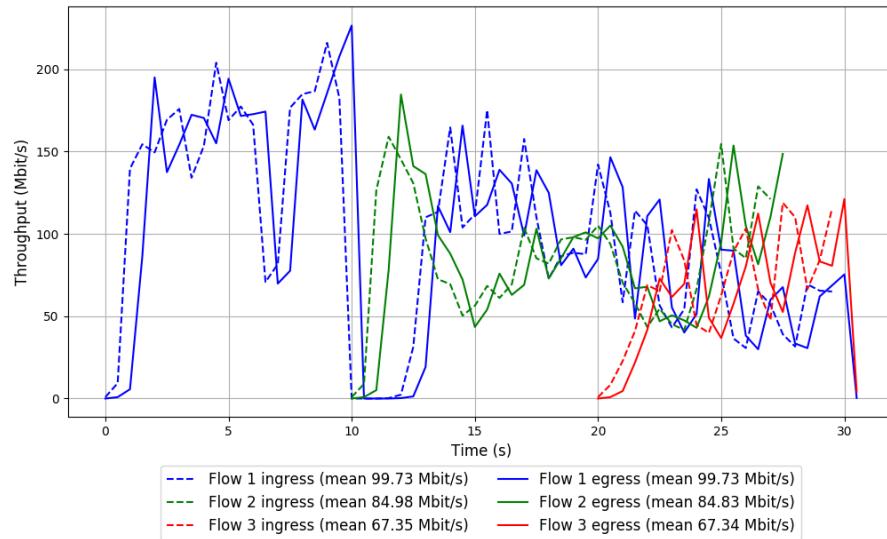


Run 4: Statistics of Copa

```
Start at: 2018-05-31 12:08:36
End at: 2018-05-31 12:09:06
Local clock offset: 0.031 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-05-31 15:02:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 171.23 Mbit/s
95th percentile per-packet one-way delay: 68.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.73 Mbit/s
95th percentile per-packet one-way delay: 68.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 68.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.34 Mbit/s
95th percentile per-packet one-way delay: 67.476 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

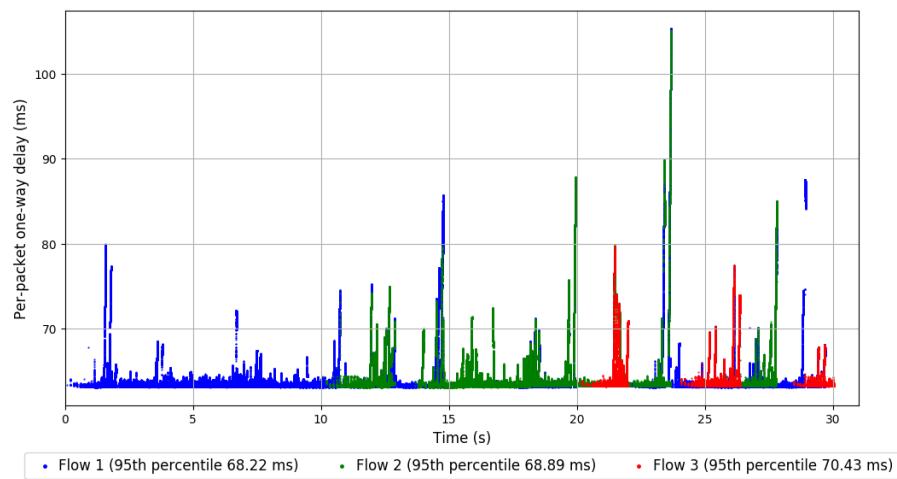
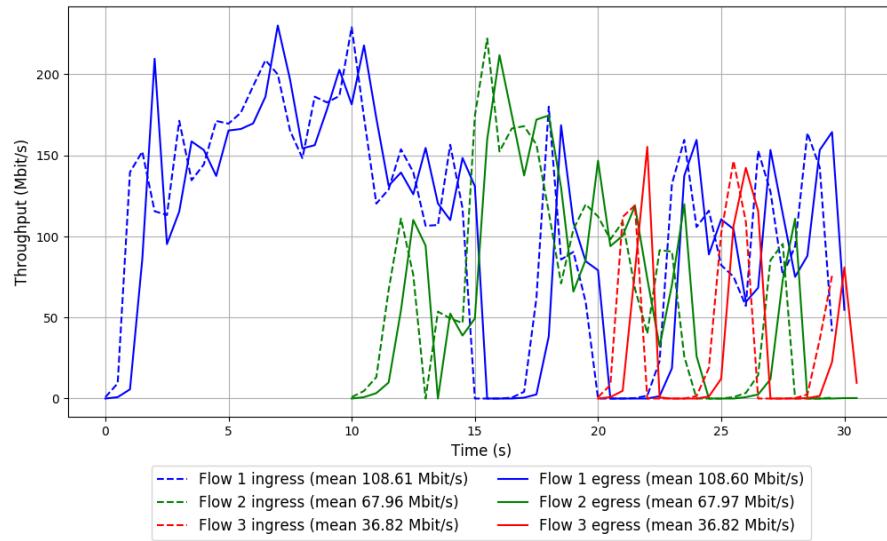


Run 5: Statistics of Copa

```
Start at: 2018-05-31 12:31:26
End at: 2018-05-31 12:31:56
Local clock offset: 0.058 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2018-05-31 15:02:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 164.75 Mbit/s
95th percentile per-packet one-way delay: 68.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.60 Mbit/s
95th percentile per-packet one-way delay: 68.222 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 68.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 70.426 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

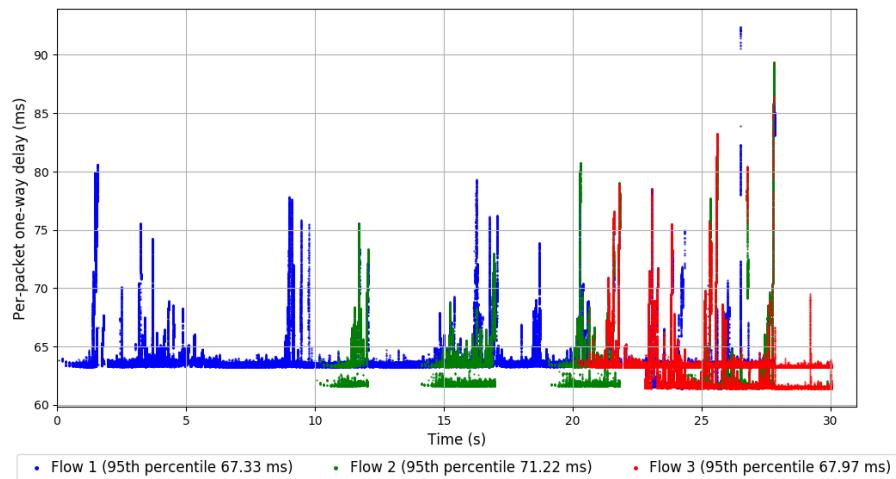
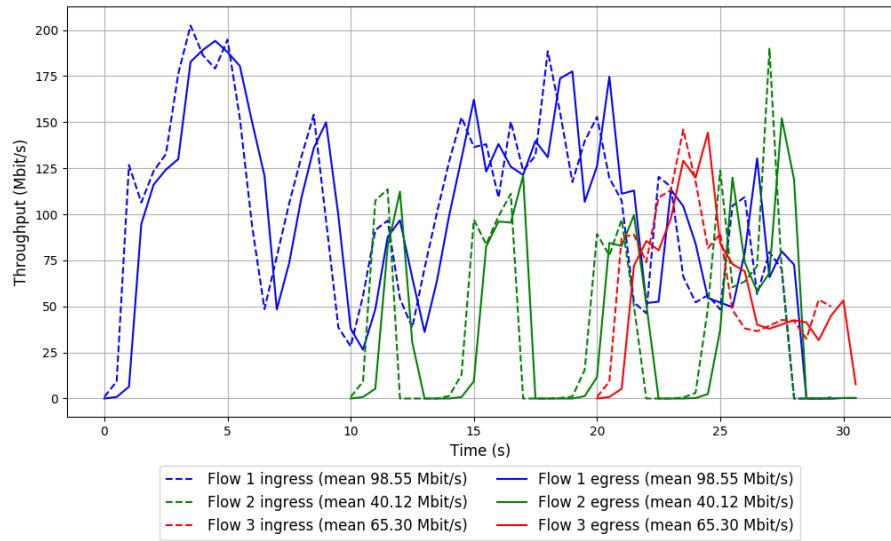


Run 6: Statistics of Copa

```
Start at: 2018-05-31 12:53:52
End at: 2018-05-31 12:54:22
Local clock offset: -0.005 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-05-31 15:02:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 146.80 Mbit/s
95th percentile per-packet one-way delay: 68.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.55 Mbit/s
95th percentile per-packet one-way delay: 67.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 71.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 67.969 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

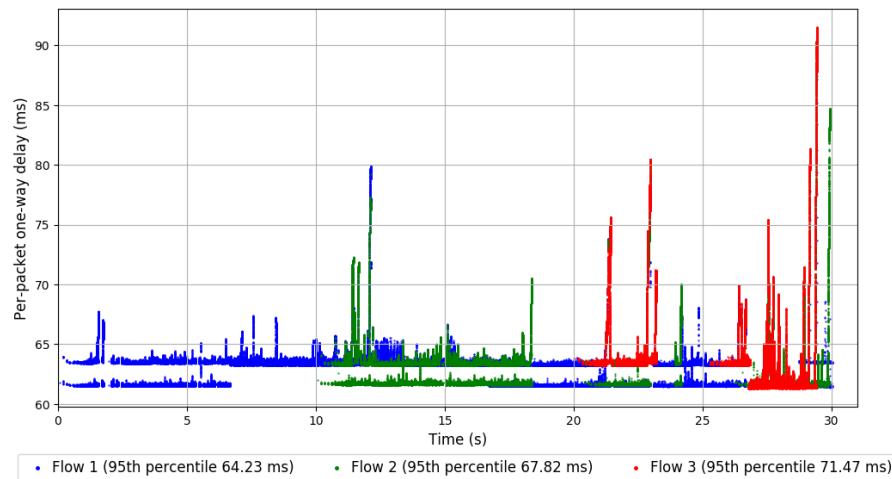
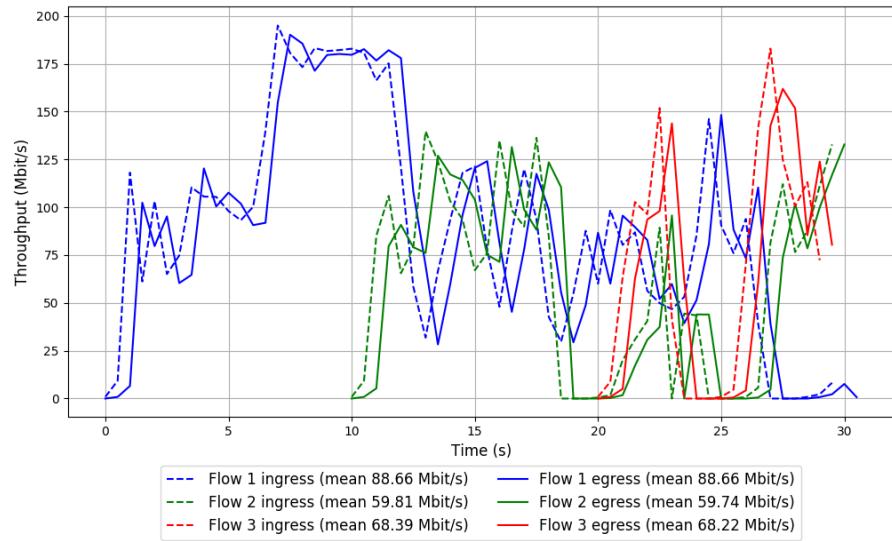


Run 7: Statistics of Copa

```
Start at: 2018-05-31 13:16:28
End at: 2018-05-31 13:16:58
Local clock offset: -0.039 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-05-31 15:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 149.55 Mbit/s
95th percentile per-packet one-way delay: 65.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 64.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 67.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.22 Mbit/s
95th percentile per-packet one-way delay: 71.465 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

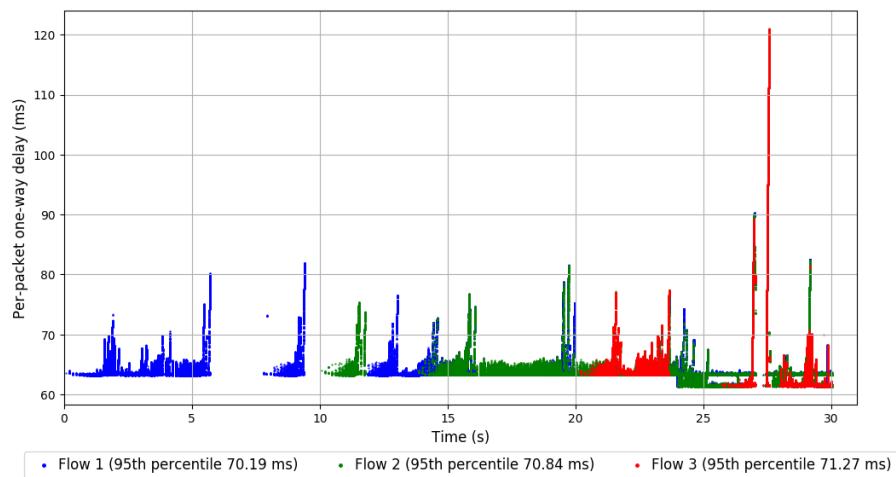
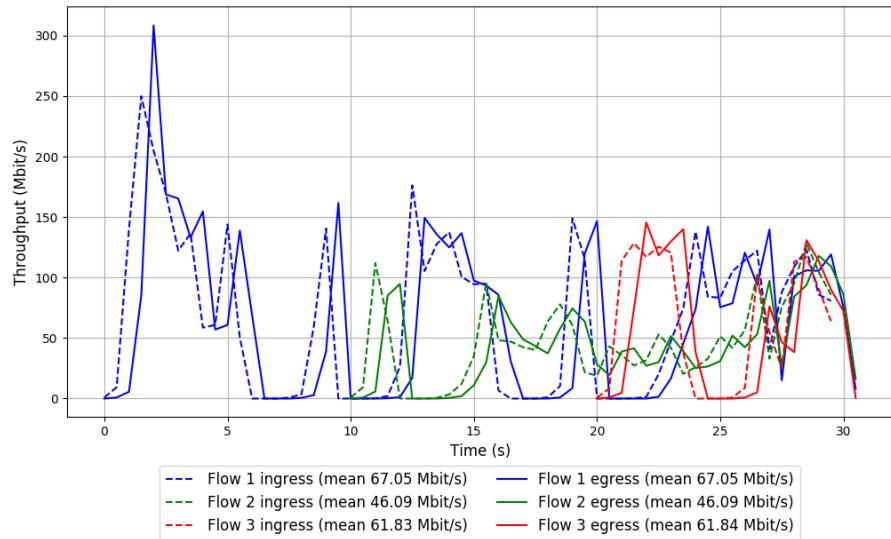


Run 8: Statistics of Copa

```
Start at: 2018-05-31 13:39:11
End at: 2018-05-31 13:39:41
Local clock offset: 0.018 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-05-31 15:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 118.16 Mbit/s
95th percentile per-packet one-way delay: 70.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.05 Mbit/s
95th percentile per-packet one-way delay: 70.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 70.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 71.274 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

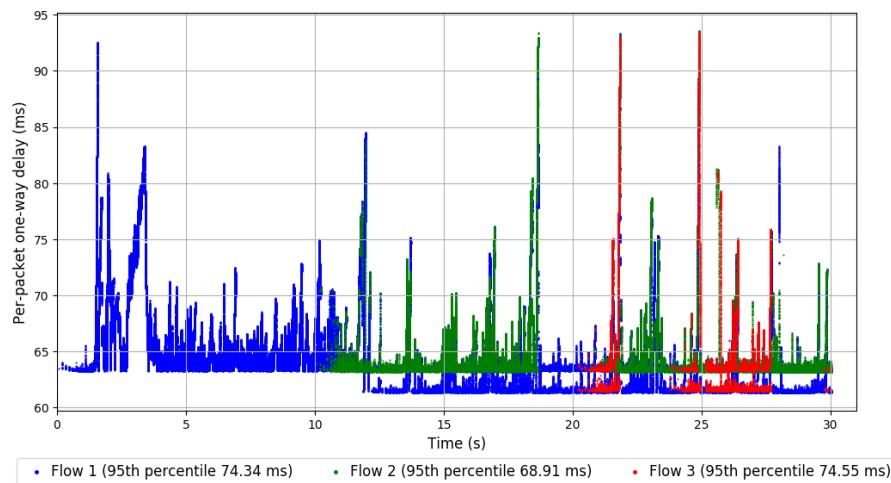
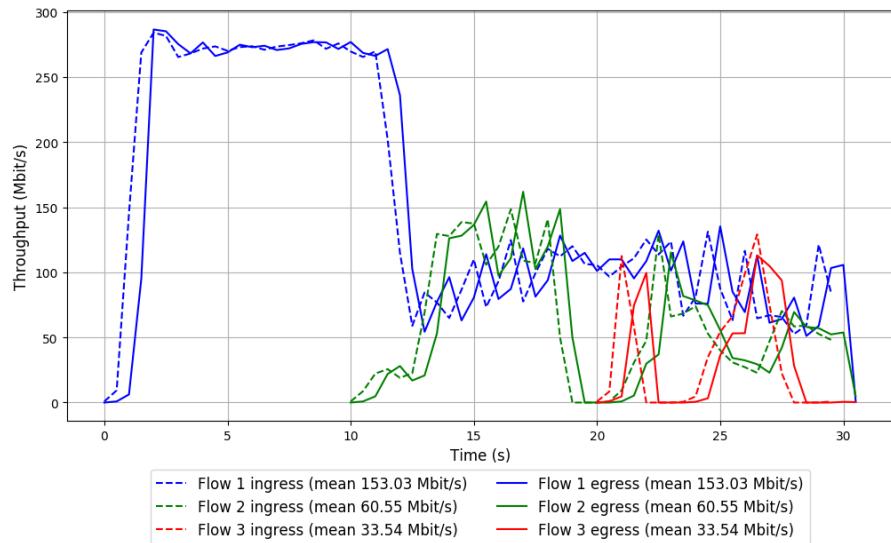


Run 9: Statistics of Copa

```
Start at: 2018-05-31 14:01:53
End at: 2018-05-31 14:02:23
Local clock offset: -0.006 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-05-31 15:08:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 204.48 Mbit/s
95th percentile per-packet one-way delay: 73.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.03 Mbit/s
95th percentile per-packet one-way delay: 74.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 68.909 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.54 Mbit/s
95th percentile per-packet one-way delay: 74.549 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

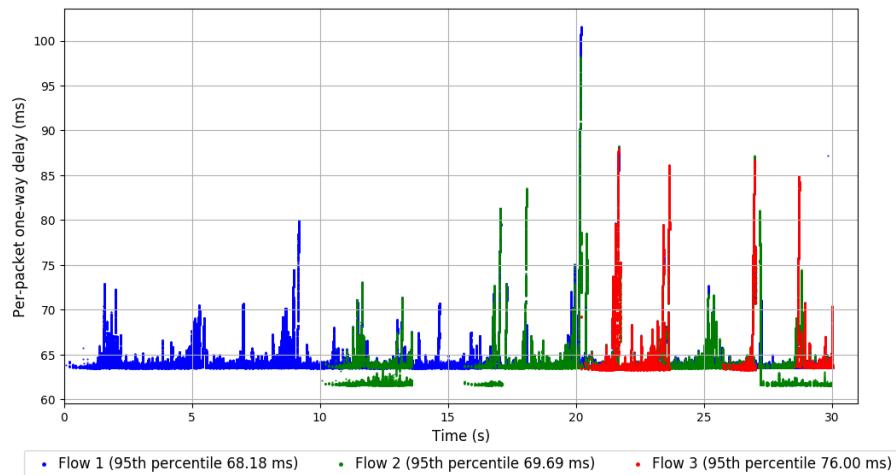
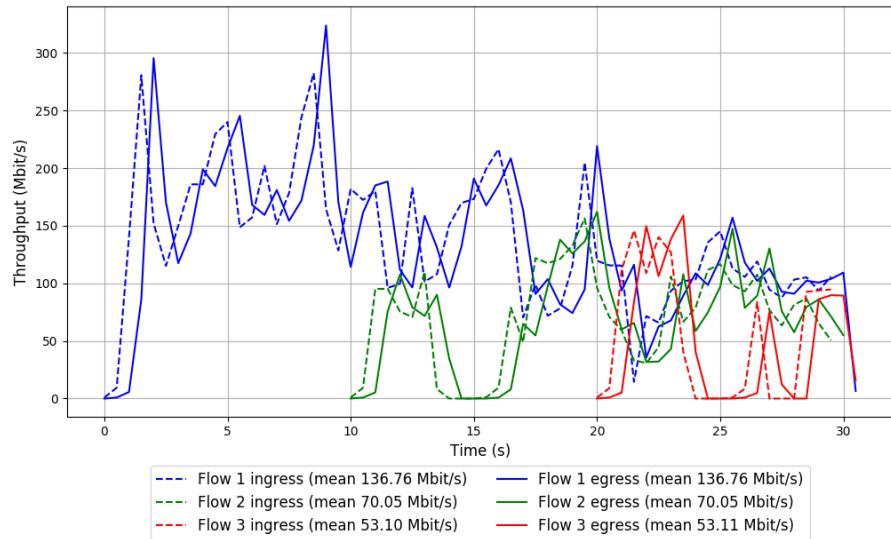


Run 10: Statistics of Copa

```
Start at: 2018-05-31 14:24:37
End at: 2018-05-31 14:25:07
Local clock offset: -0.023 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-05-31 15:08:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.90 Mbit/s
95th percentile per-packet one-way delay: 68.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.76 Mbit/s
95th percentile per-packet one-way delay: 68.183 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.05 Mbit/s
95th percentile per-packet one-way delay: 69.690 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.11 Mbit/s
95th percentile per-packet one-way delay: 76.001 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

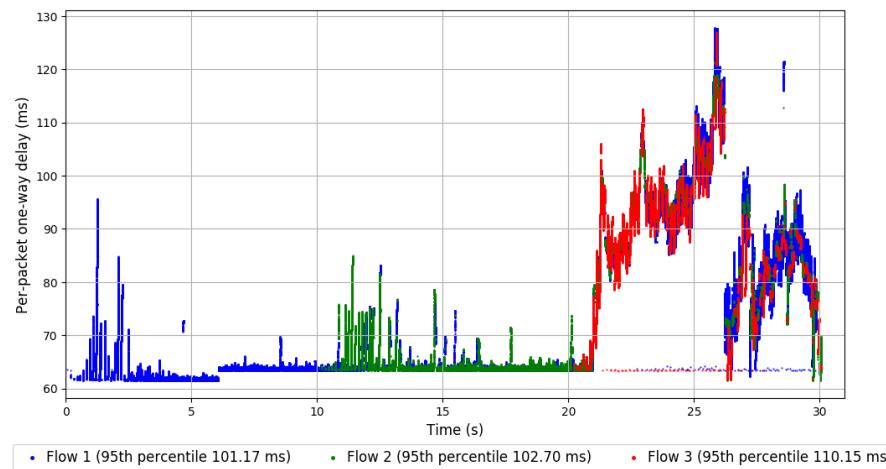
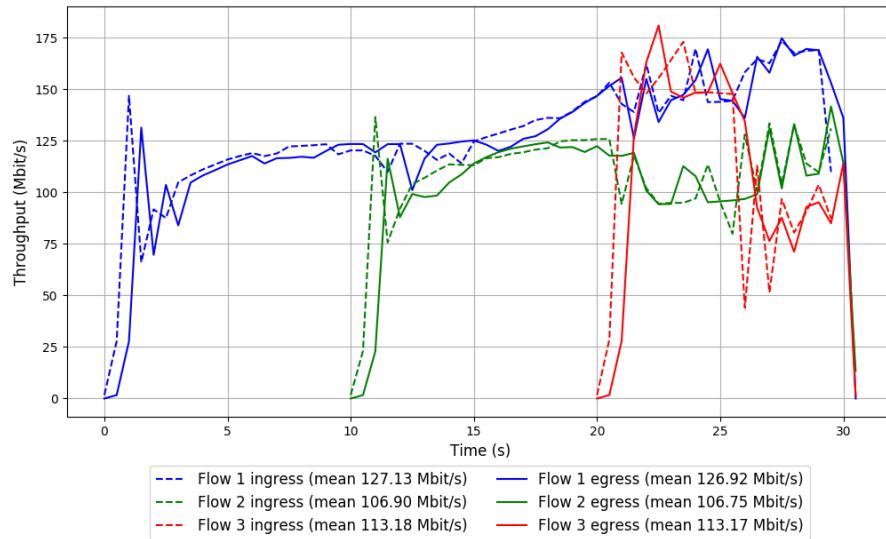


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-31 10:59:39
End at: 2018-05-31 11:00:09
Local clock offset: -0.496 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-31 15:08:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.59 Mbit/s
95th percentile per-packet one-way delay: 104.276 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 126.92 Mbit/s
95th percentile per-packet one-way delay: 101.171 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 106.75 Mbit/s
95th percentile per-packet one-way delay: 102.700 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 113.17 Mbit/s
95th percentile per-packet one-way delay: 110.149 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Cubic — Data Link

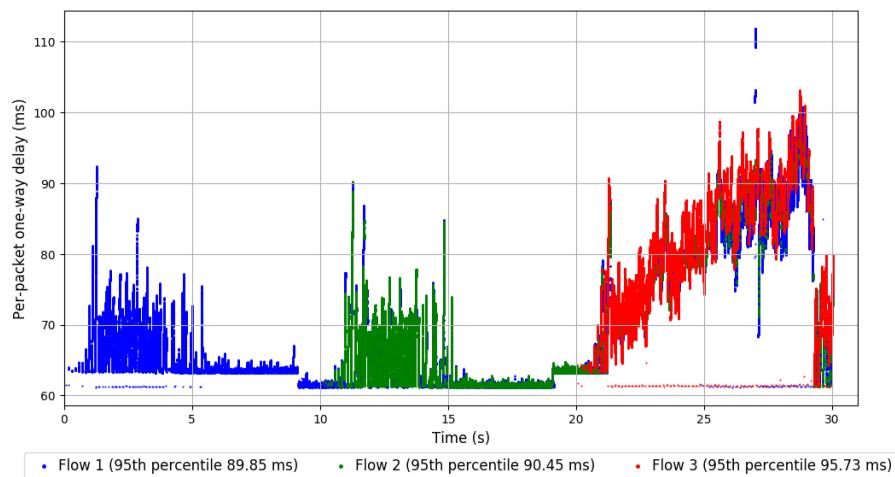
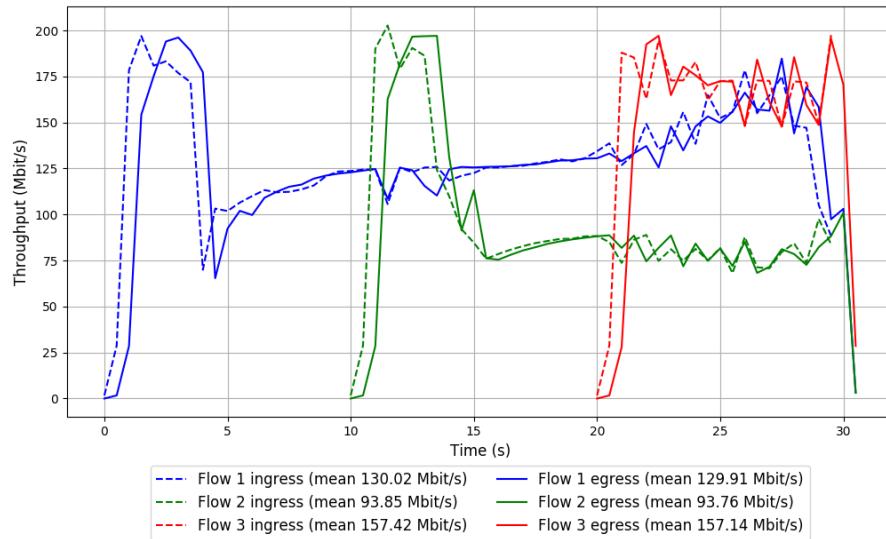


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-31 11:21:45
End at: 2018-05-31 11:22:15
Local clock offset: -0.609 ms
Remote clock offset: -0.339 ms

# Below is generated by plot.py at 2018-05-31 15:08:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 244.54 Mbit/s
95th percentile per-packet one-way delay: 91.520 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 129.91 Mbit/s
95th percentile per-packet one-way delay: 89.847 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 90.452 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 157.14 Mbit/s
95th percentile per-packet one-way delay: 95.728 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Cubic — Data Link

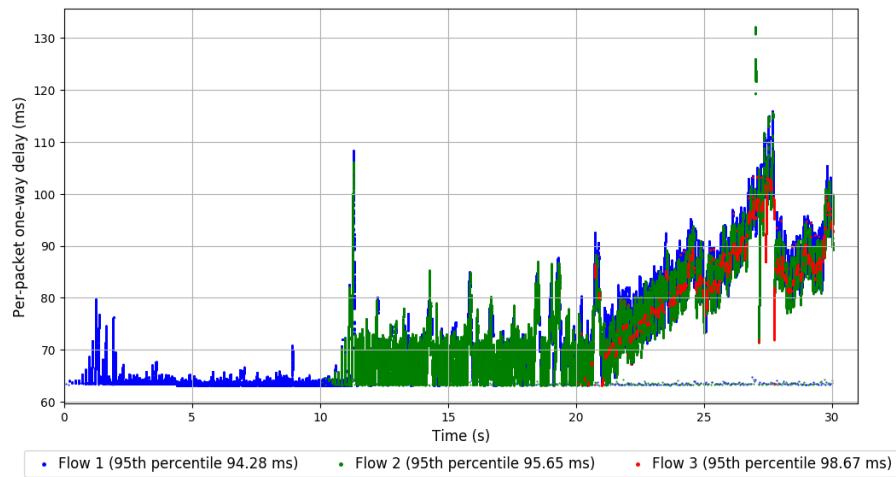
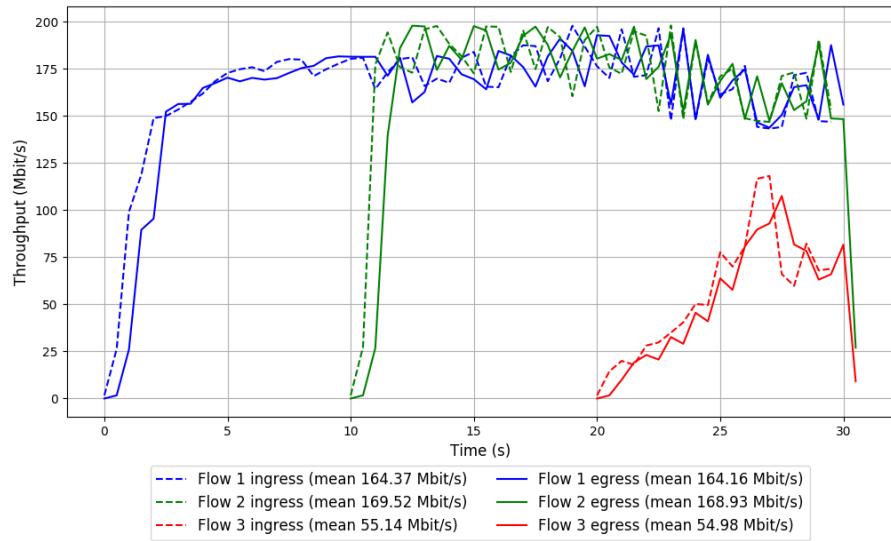


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-31 11:44:30
End at: 2018-05-31 11:45:00
Local clock offset: 0.059 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-05-31 15:08:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.59 Mbit/s
95th percentile per-packet one-way delay: 96.018 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 164.16 Mbit/s
95th percentile per-packet one-way delay: 94.279 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.93 Mbit/s
95th percentile per-packet one-way delay: 95.654 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 98.673 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Cubic — Data Link

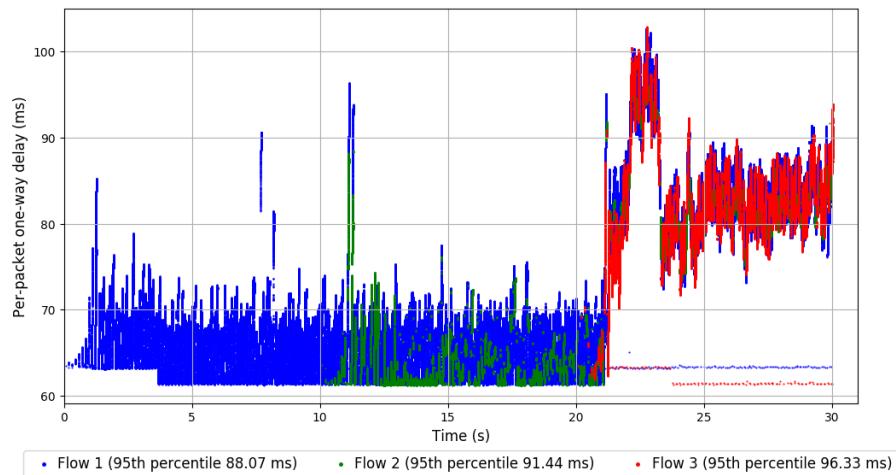
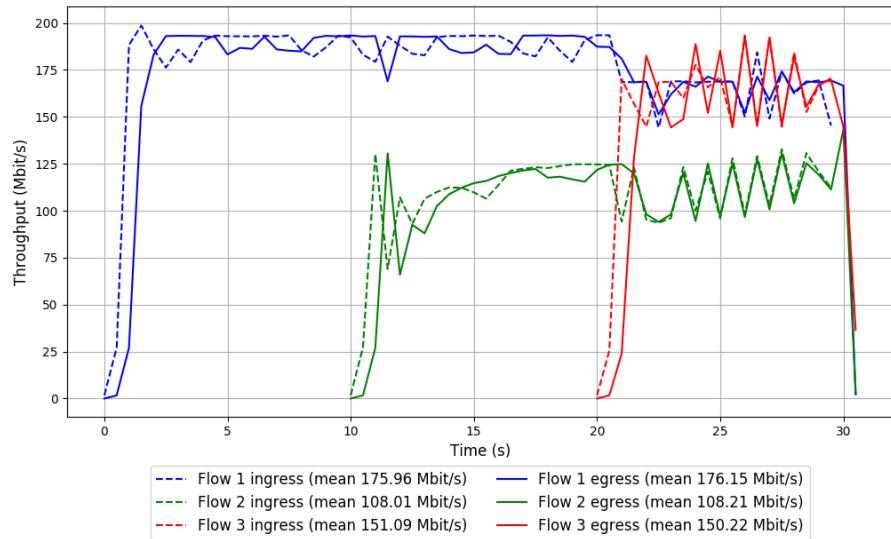


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-31 12:07:11
End at: 2018-05-31 12:07:41
Local clock offset: 0.068 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-05-31 15:08:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 297.74 Mbit/s
95th percentile per-packet one-way delay: 91.477 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 176.15 Mbit/s
95th percentile per-packet one-way delay: 88.066 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 108.21 Mbit/s
95th percentile per-packet one-way delay: 91.438 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 150.22 Mbit/s
95th percentile per-packet one-way delay: 96.329 ms
Loss rate: 0.39%
```

Run 4: Report of TCP Cubic — Data Link

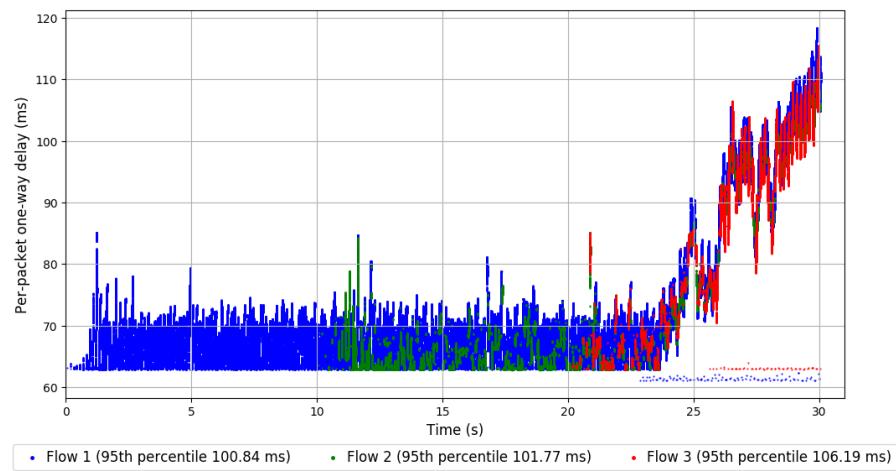
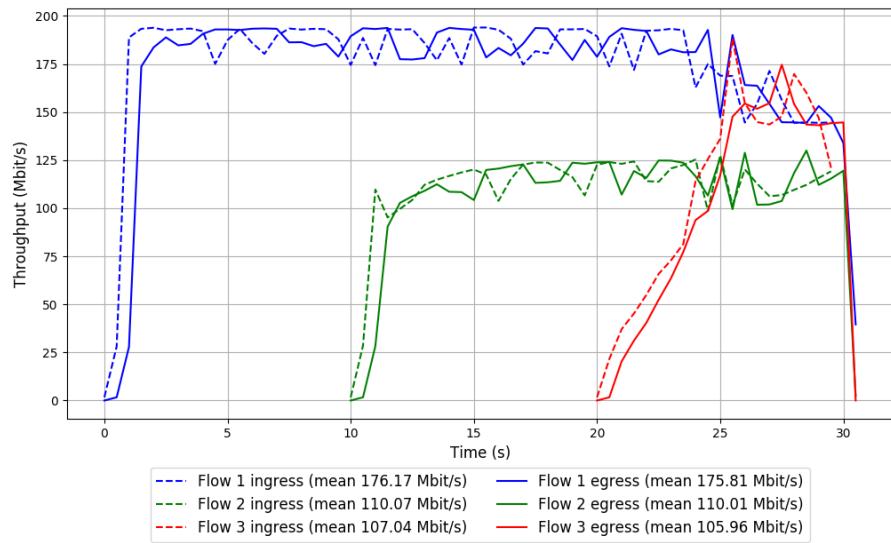


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-31 12:30:02
End at: 2018-05-31 12:30:32
Local clock offset: 0.06 ms
Remote clock offset: -0.435 ms

# Below is generated by plot.py at 2018-05-31 15:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.18 Mbit/s
95th percentile per-packet one-way delay: 102.554 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 100.837 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 110.01 Mbit/s
95th percentile per-packet one-way delay: 101.769 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 105.96 Mbit/s
95th percentile per-packet one-way delay: 106.189 ms
Loss rate: 1.13%
```

Run 5: Report of TCP Cubic — Data Link

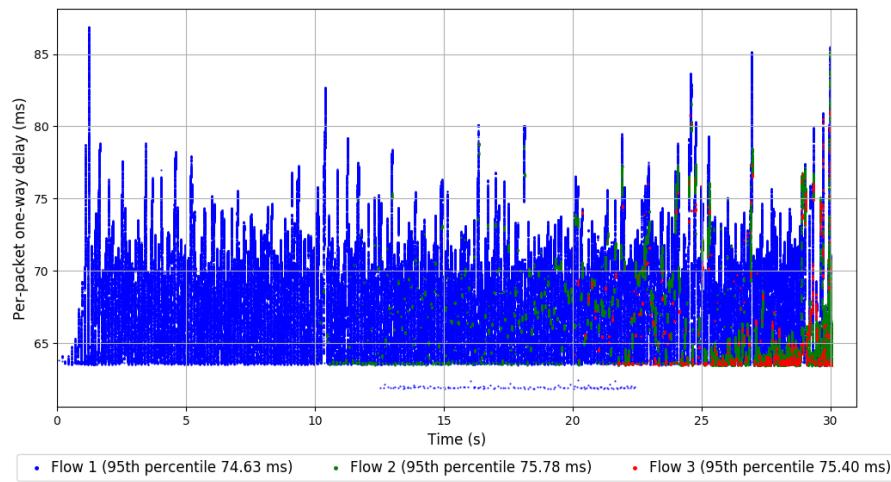
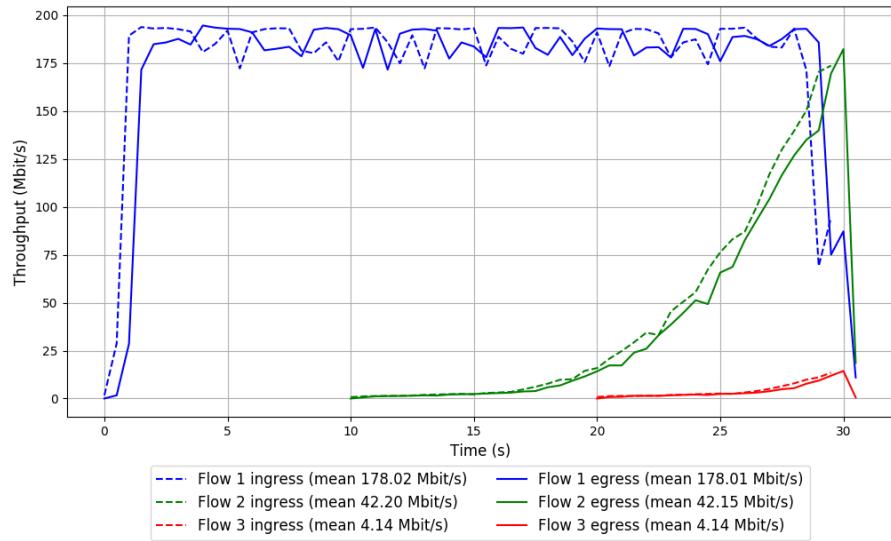


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-31 12:52:32
End at: 2018-05-31 12:53:02
Local clock offset: 0.003 ms
Remote clock offset: 0.162 ms

# Below is generated by plot.py at 2018-05-31 15:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.29 Mbit/s
95th percentile per-packet one-way delay: 74.830 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 178.01 Mbit/s
95th percentile per-packet one-way delay: 74.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 75.778 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 75.396 ms
Loss rate: 0.03%
```

Run 6: Report of TCP Cubic — Data Link

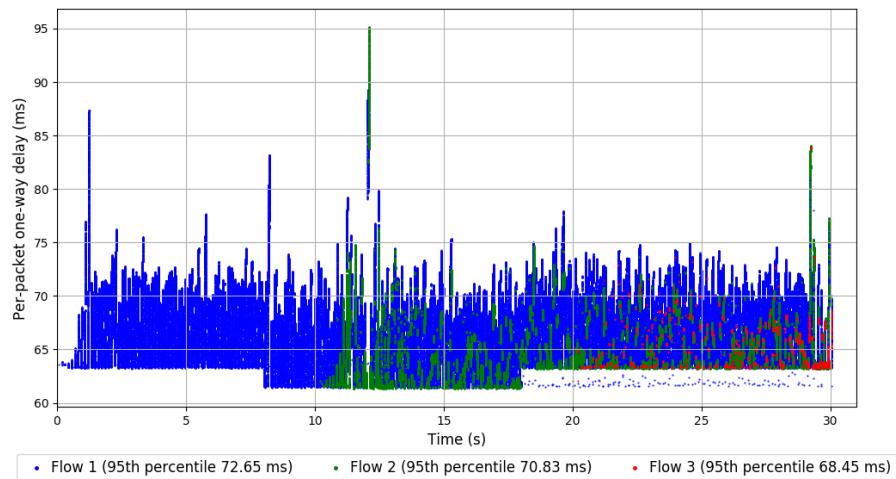
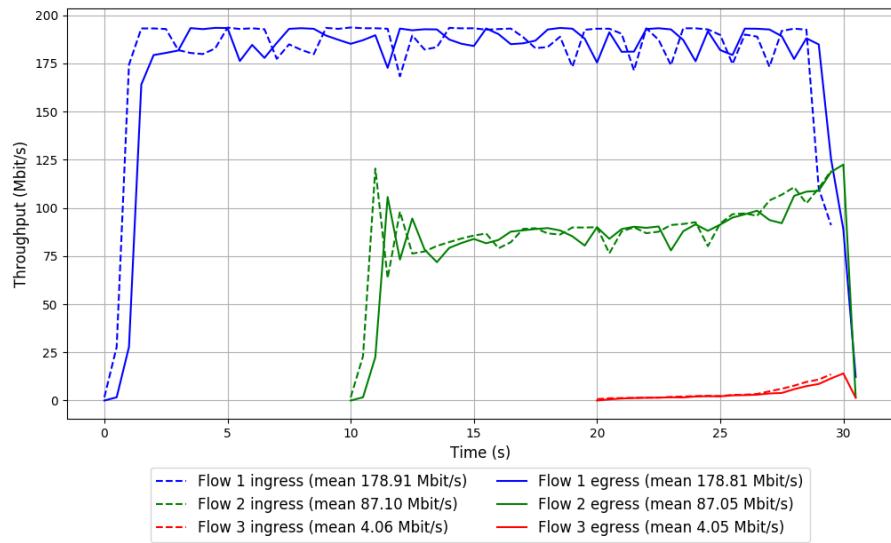


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-31 13:15:07
End at: 2018-05-31 13:15:37
Local clock offset: -0.022 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-05-31 15:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 238.15 Mbit/s
95th percentile per-packet one-way delay: 72.390 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 178.81 Mbit/s
95th percentile per-packet one-way delay: 72.653 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 70.827 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 68.449 ms
Loss rate: 0.12%
```

Run 7: Report of TCP Cubic — Data Link

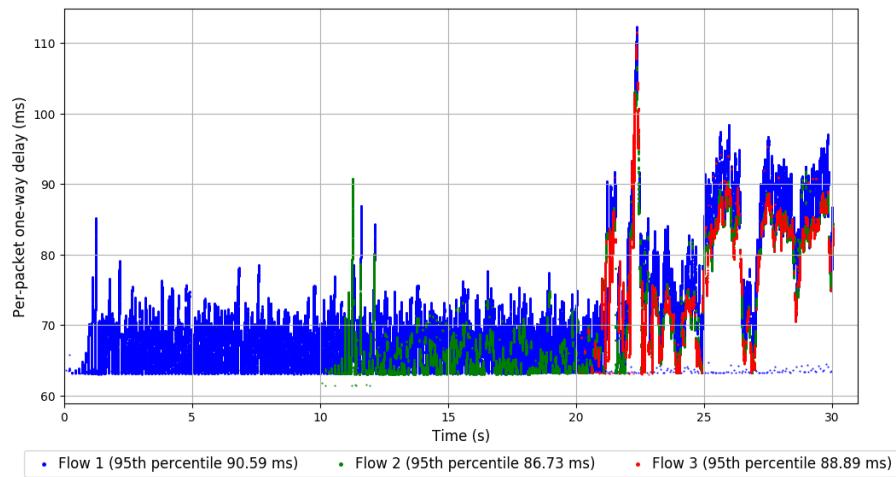
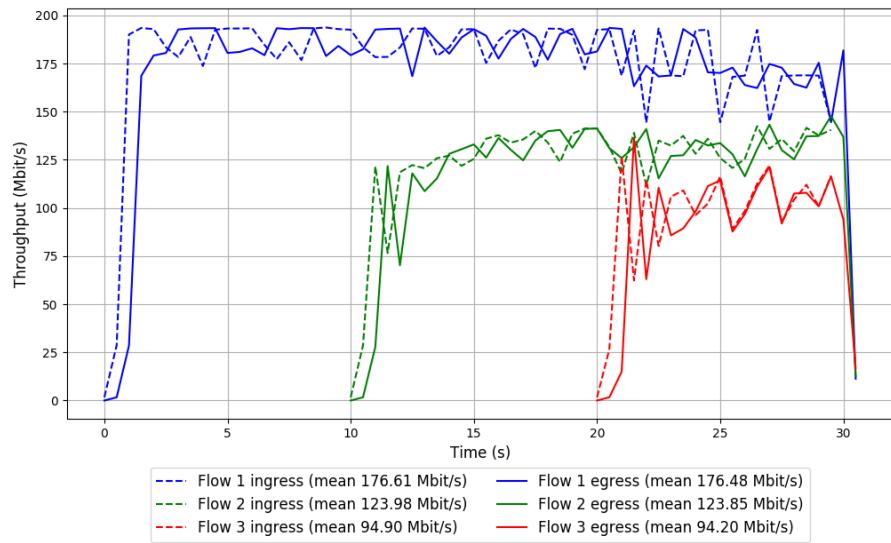


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-31 13:37:46
End at: 2018-05-31 13:38:16
Local clock offset: 0.009 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-05-31 15:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.07 Mbit/s
95th percentile per-packet one-way delay: 89.205 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 176.48 Mbit/s
95th percentile per-packet one-way delay: 90.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.85 Mbit/s
95th percentile per-packet one-way delay: 86.727 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 88.893 ms
Loss rate: 0.72%
```

Run 8: Report of TCP Cubic — Data Link

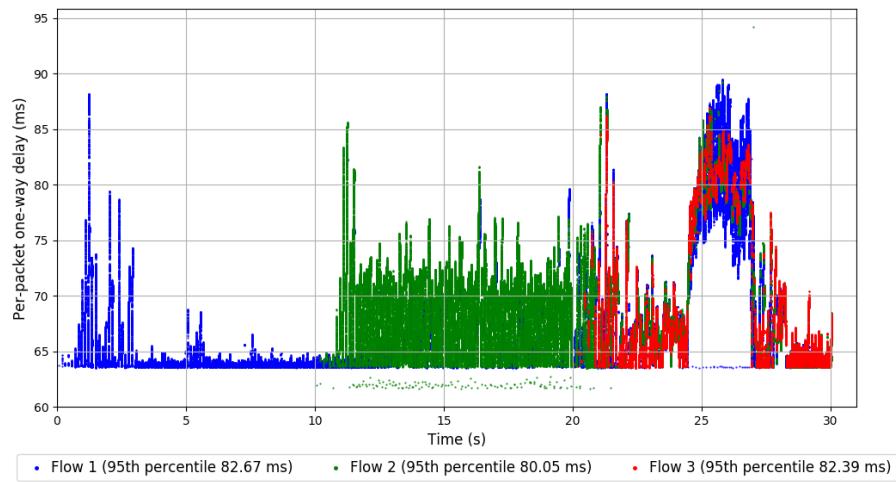
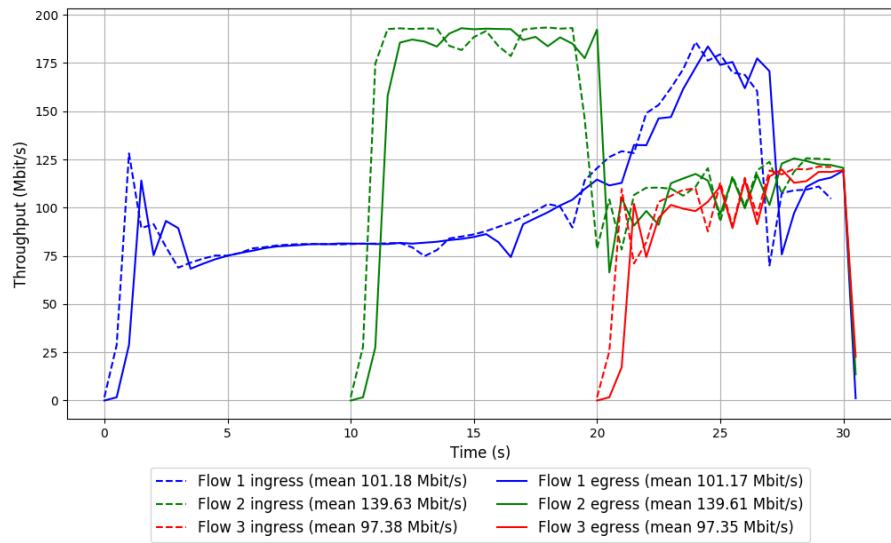


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-31 14:00:32
End at: 2018-05-31 14:01:02
Local clock offset: -0.023 ms
Remote clock offset: 0.151 ms

# Below is generated by plot.py at 2018-05-31 15:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 226.43 Mbit/s
95th percentile per-packet one-way delay: 81.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.17 Mbit/s
95th percentile per-packet one-way delay: 82.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.61 Mbit/s
95th percentile per-packet one-way delay: 80.054 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 82.389 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Cubic — Data Link

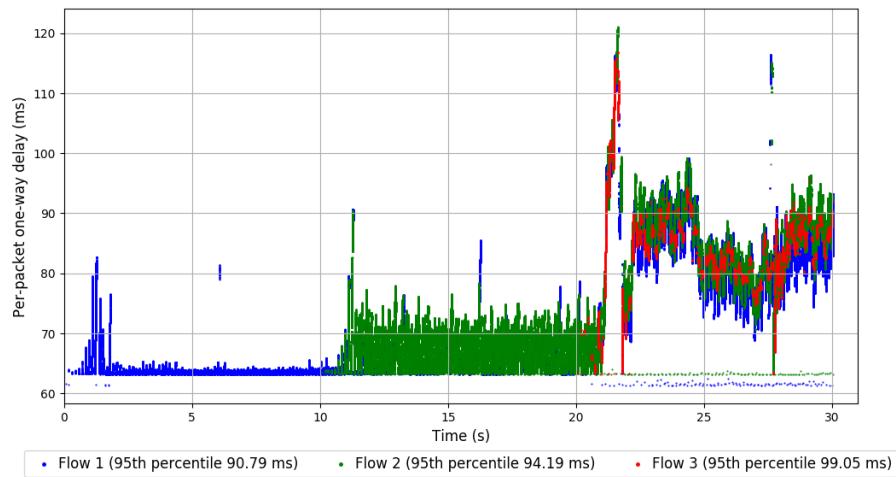
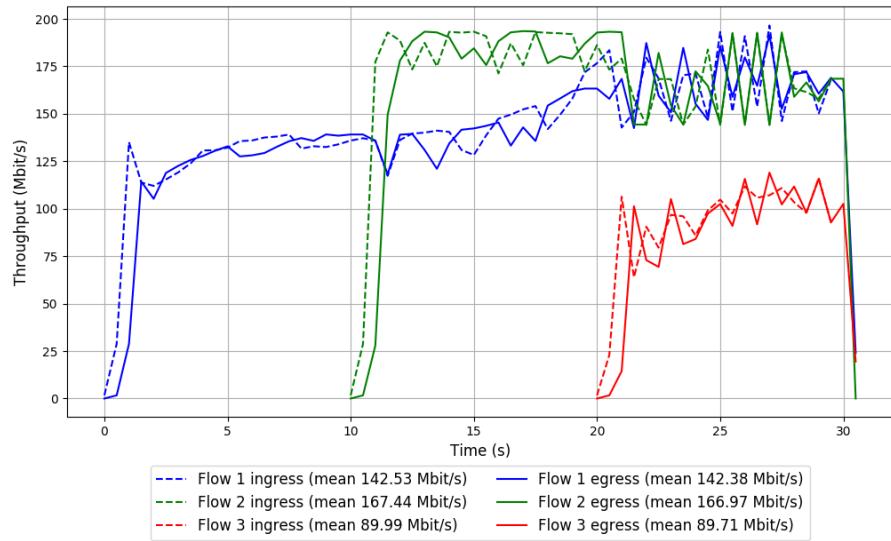


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-31 14:23:12
End at: 2018-05-31 14:23:43
Local clock offset: -0.019 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2018-05-31 15:12:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.37 Mbit/s
95th percentile per-packet one-way delay: 92.789 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 142.38 Mbit/s
95th percentile per-packet one-way delay: 90.792 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.97 Mbit/s
95th percentile per-packet one-way delay: 94.193 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 99.054 ms
Loss rate: 0.03%
```

Run 10: Report of TCP Cubic — Data Link

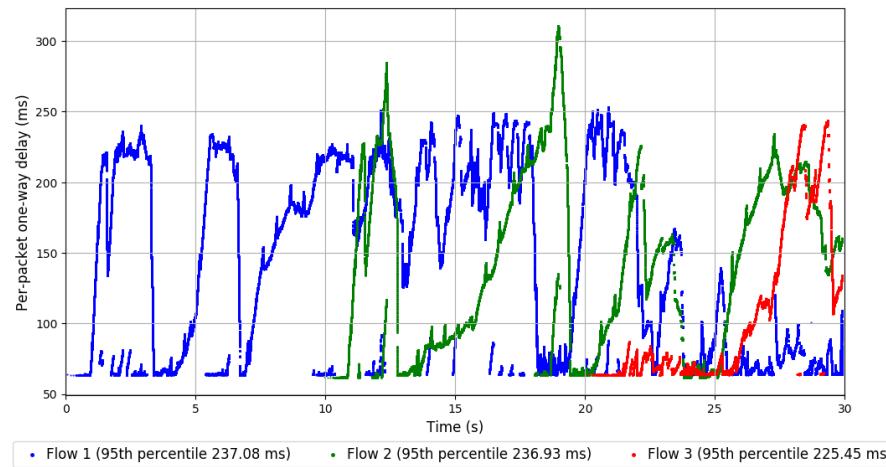
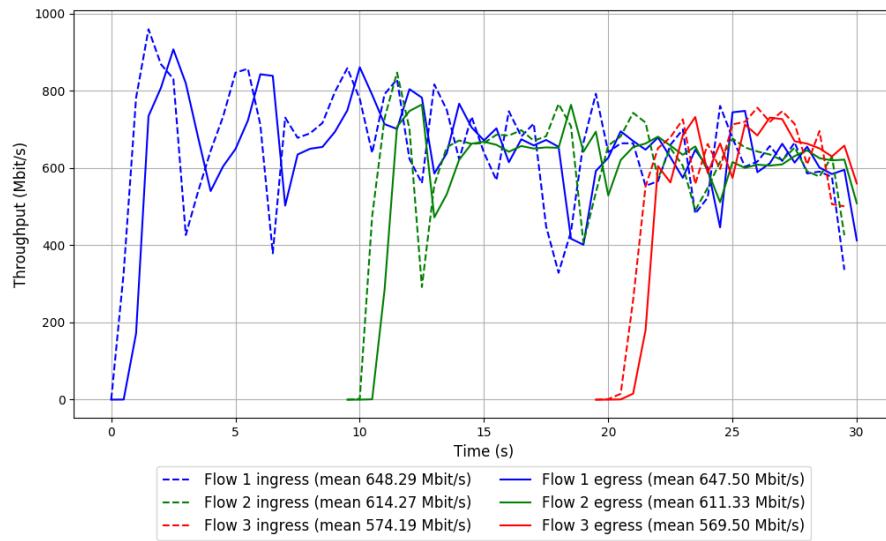


```
Run 1: Statistics of FillP

Start at: 2018-05-31 11:03:32
End at: 2018-05-31 11:04:02
Local clock offset: -0.529 ms
Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2018-05-31 15:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1245.00 Mbit/s
95th percentile per-packet one-way delay: 236.157 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 647.50 Mbit/s
95th percentile per-packet one-way delay: 237.084 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 611.33 Mbit/s
95th percentile per-packet one-way delay: 236.928 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 569.50 Mbit/s
95th percentile per-packet one-way delay: 225.446 ms
Loss rate: 0.83%
```

Run 1: Report of FillP — Data Link

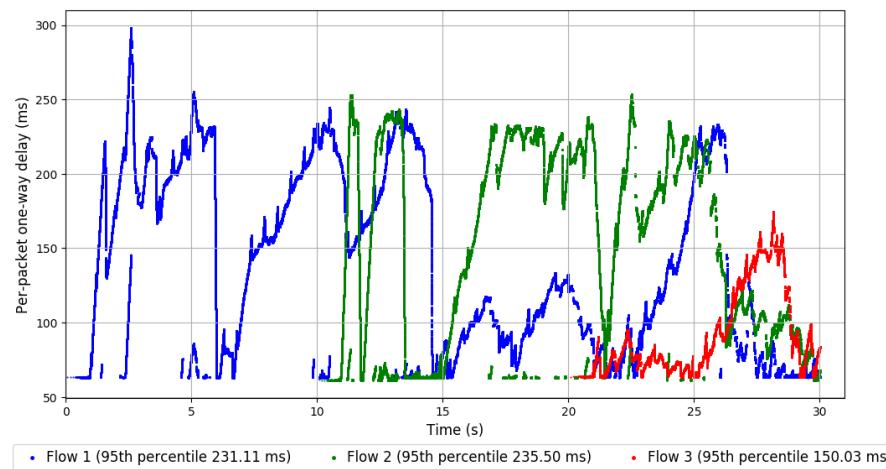
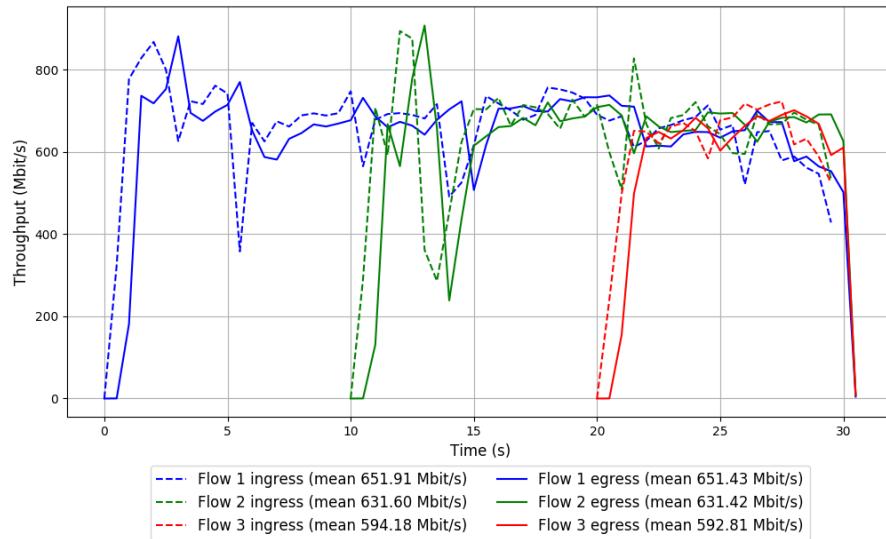


Run 2: Statistics of FillP

```
Start at: 2018-05-31 11:25:41
End at: 2018-05-31 11:26:11
Local clock offset: -0.459 ms
Remote clock offset: -0.458 ms

# Below is generated by plot.py at 2018-05-31 15:33:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1268.37 Mbit/s
95th percentile per-packet one-way delay: 231.658 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 651.43 Mbit/s
95th percentile per-packet one-way delay: 231.114 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 631.42 Mbit/s
95th percentile per-packet one-way delay: 235.500 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 592.81 Mbit/s
95th percentile per-packet one-way delay: 150.027 ms
Loss rate: 0.23%
```

Run 2: Report of FillP — Data Link

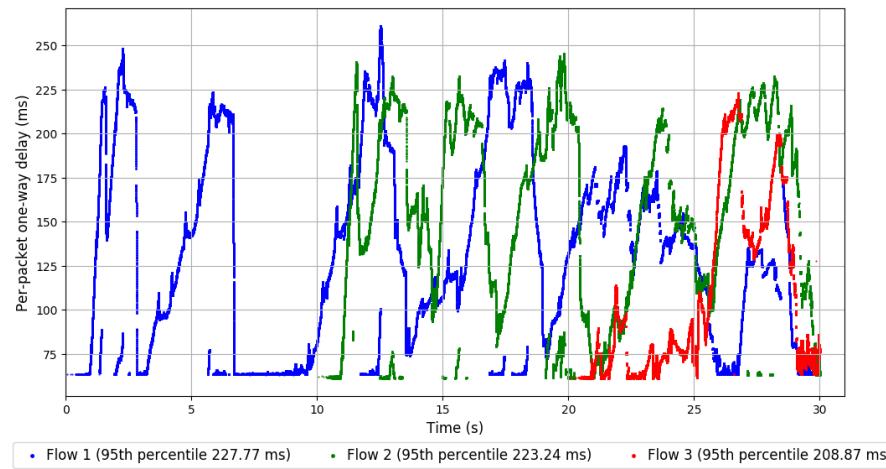
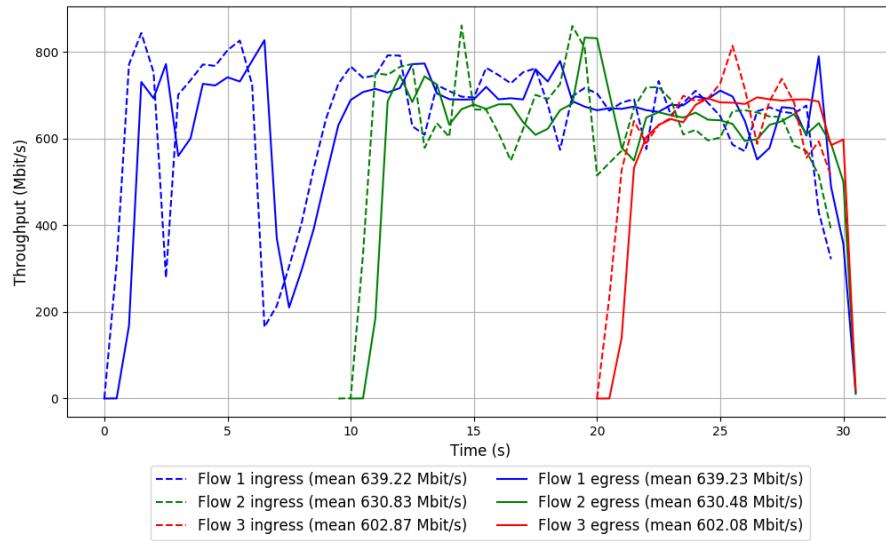


Run 3: Statistics of FillP

```
Start at: 2018-05-31 11:48:29
End at: 2018-05-31 11:48:59
Local clock offset: 0.124 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2018-05-31 15:34:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1258.84 Mbit/s
95th percentile per-packet one-way delay: 223.986 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 639.23 Mbit/s
95th percentile per-packet one-way delay: 227.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 630.48 Mbit/s
95th percentile per-packet one-way delay: 223.241 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 602.08 Mbit/s
95th percentile per-packet one-way delay: 208.870 ms
Loss rate: 0.12%
```

Run 3: Report of FillP — Data Link

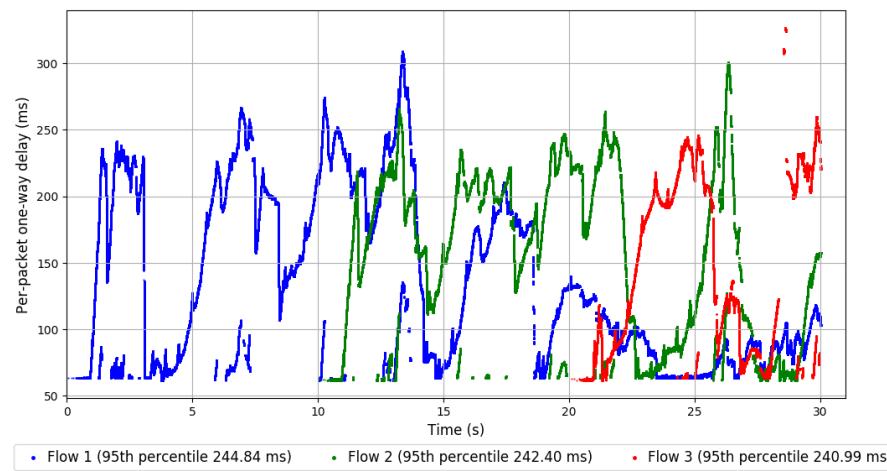
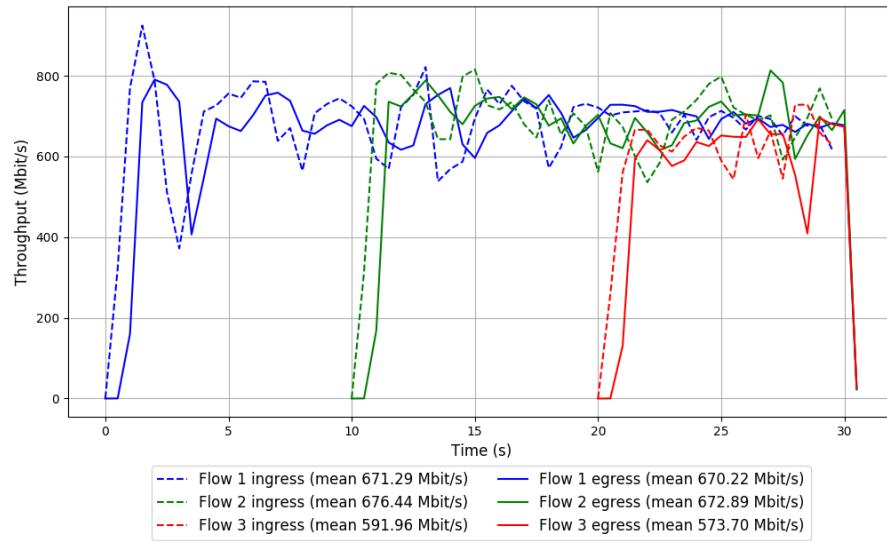


Run 4: Statistics of FillP

```
Start at: 2018-05-31 12:11:11
End at: 2018-05-31 12:11:41
Local clock offset: 0.041 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-05-31 15:36:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1308.55 Mbit/s
95th percentile per-packet one-way delay: 242.878 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 670.22 Mbit/s
95th percentile per-packet one-way delay: 244.845 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 672.89 Mbit/s
95th percentile per-packet one-way delay: 242.395 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 573.70 Mbit/s
95th percentile per-packet one-way delay: 240.993 ms
Loss rate: 3.06%
```

Run 4: Report of FillP — Data Link

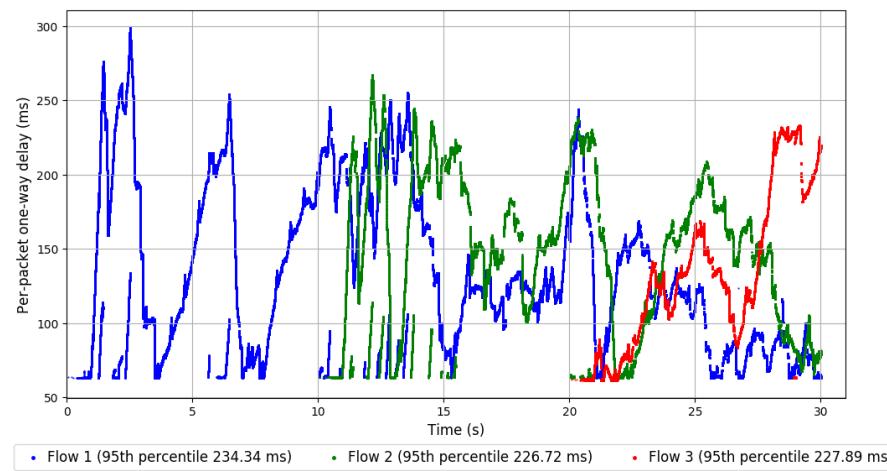
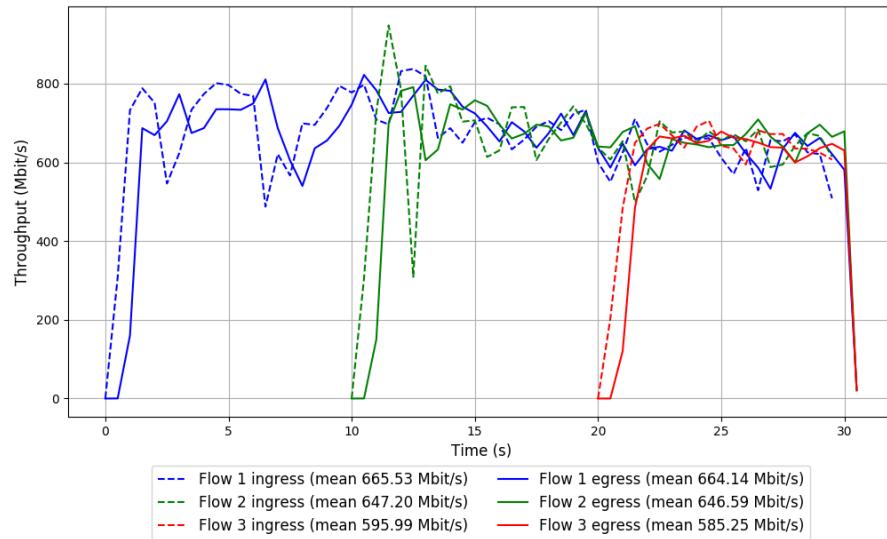


Run 5: Statistics of FillP

```
Start at: 2018-05-31 12:34:01
End at: 2018-05-31 12:34:31
Local clock offset: 0.021 ms
Remote clock offset: -0.26 ms

# Below is generated by plot.py at 2018-05-31 15:36:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1288.59 Mbit/s
95th percentile per-packet one-way delay: 229.178 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 664.14 Mbit/s
95th percentile per-packet one-way delay: 234.338 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 646.59 Mbit/s
95th percentile per-packet one-way delay: 226.720 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 585.25 Mbit/s
95th percentile per-packet one-way delay: 227.891 ms
Loss rate: 1.78%
```

Run 5: Report of FillP — Data Link

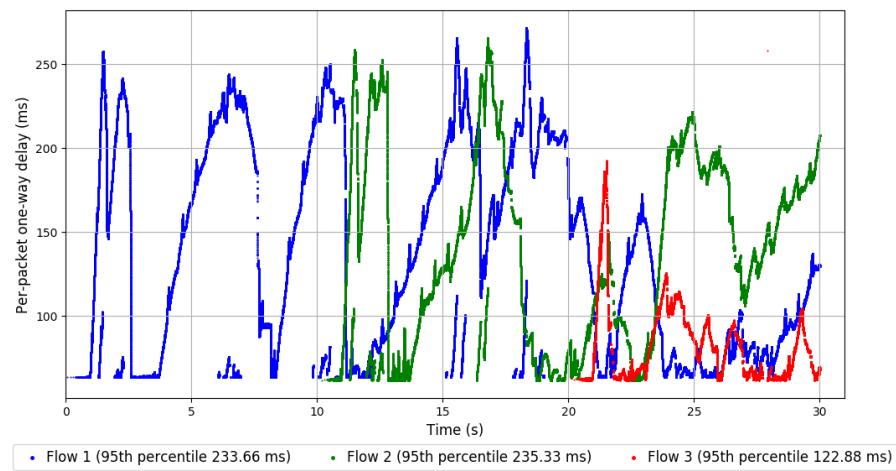
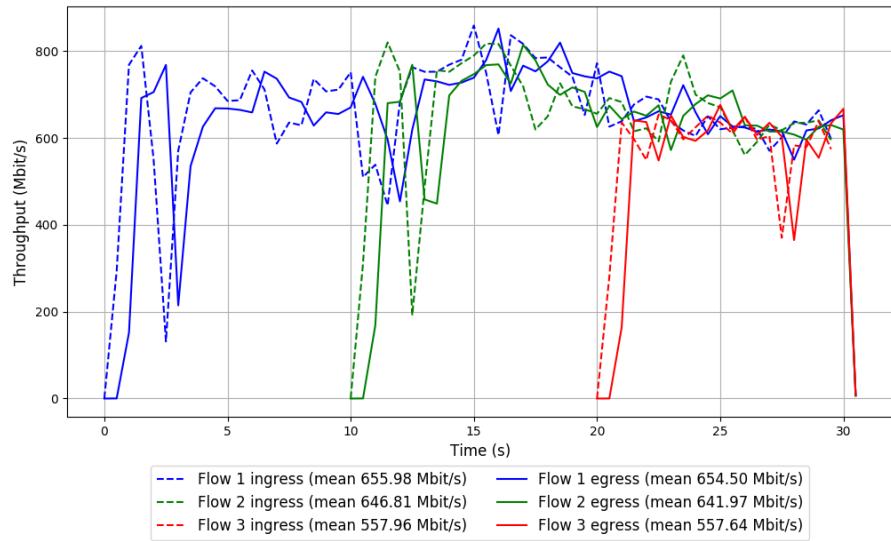


Run 6: Statistics of FillP

```
Start at: 2018-05-31 12:56:25
End at: 2018-05-31 12:56:55
Local clock offset: -0.033 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-05-31 15:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1266.66 Mbit/s
95th percentile per-packet one-way delay: 232.003 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 654.50 Mbit/s
95th percentile per-packet one-way delay: 233.658 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 641.97 Mbit/s
95th percentile per-packet one-way delay: 235.326 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 557.64 Mbit/s
95th percentile per-packet one-way delay: 122.878 ms
Loss rate: 0.05%
```

Run 6: Report of FillP — Data Link

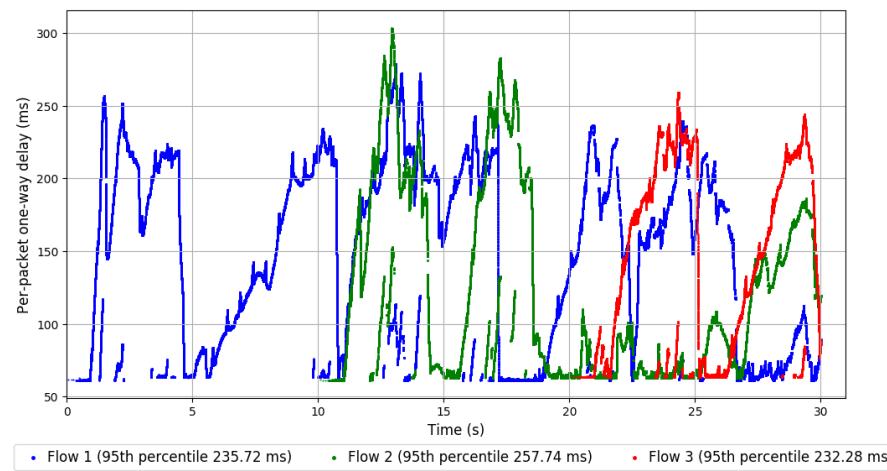
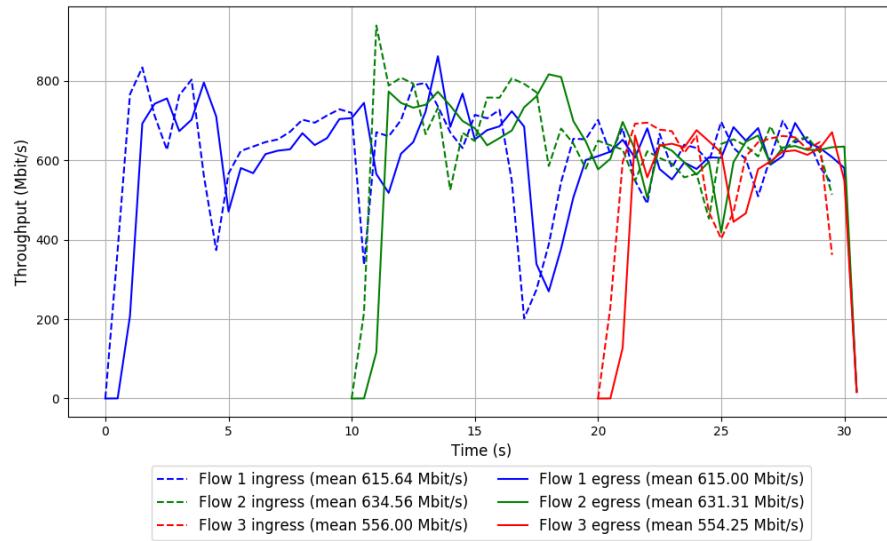


Run 7: Statistics of FillP

```
Start at: 2018-05-31 13:19:01
End at: 2018-05-31 13:19:31
Local clock offset: -0.009 ms
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2018-05-31 15:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1218.85 Mbit/s
95th percentile per-packet one-way delay: 242.136 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 615.00 Mbit/s
95th percentile per-packet one-way delay: 235.725 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 631.31 Mbit/s
95th percentile per-packet one-way delay: 257.743 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 554.25 Mbit/s
95th percentile per-packet one-way delay: 232.278 ms
Loss rate: 0.30%
```

Run 7: Report of FillP — Data Link

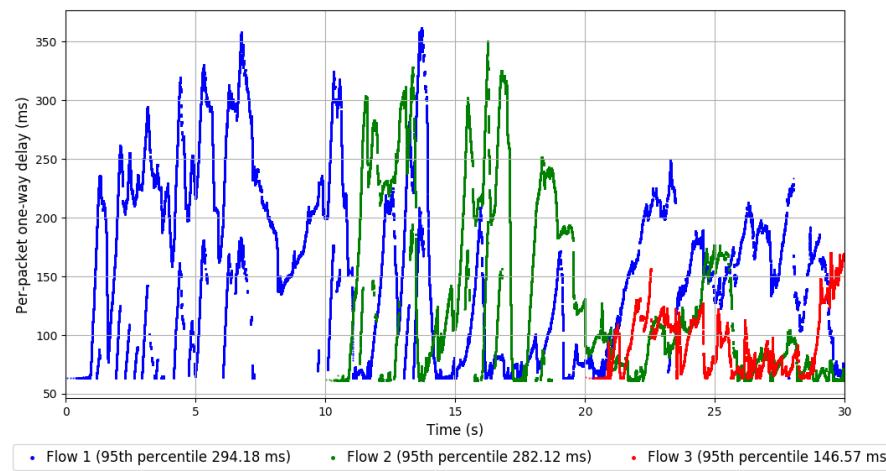
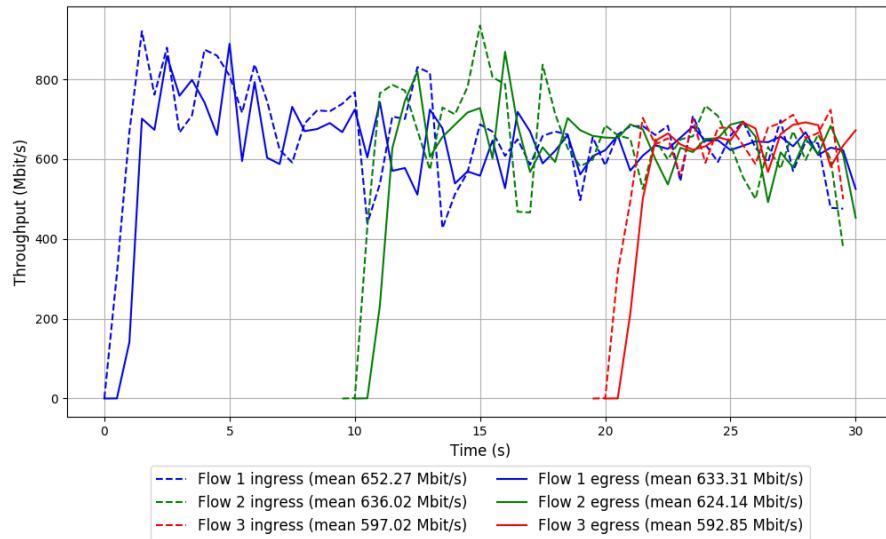


Run 8: Statistics of FillP

```
Start at: 2018-05-31 13:41:41
End at: 2018-05-31 13:42:11
Local clock offset: -0.03 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-05-31 15:38:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1246.34 Mbit/s
95th percentile per-packet one-way delay: 283.544 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 633.31 Mbit/s
95th percentile per-packet one-way delay: 294.183 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 624.14 Mbit/s
95th percentile per-packet one-way delay: 282.125 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 592.85 Mbit/s
95th percentile per-packet one-way delay: 146.572 ms
Loss rate: 0.74%
```

Run 8: Report of FillP — Data Link

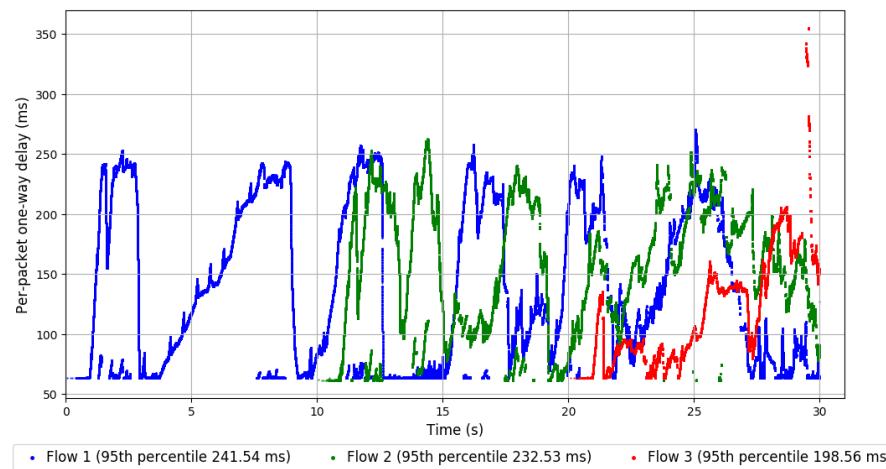
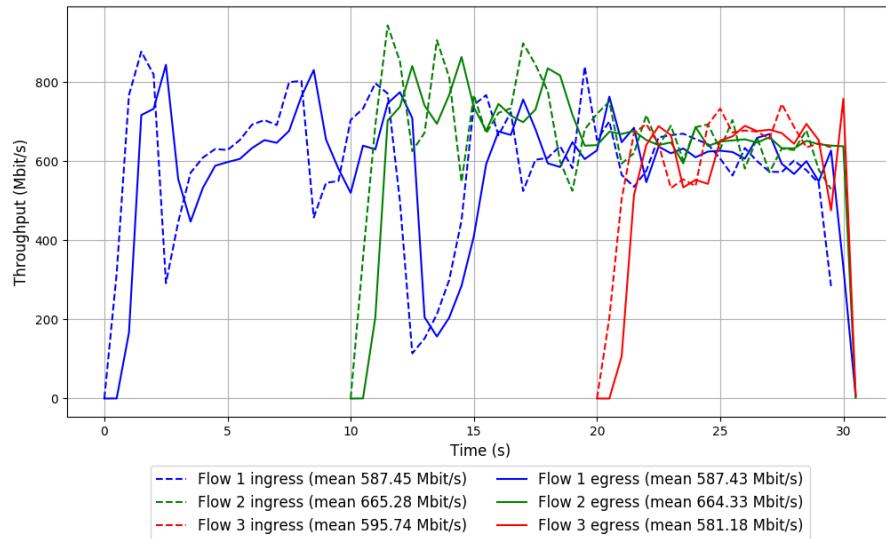


Run 9: Statistics of FillP

```
Start at: 2018-05-31 14:04:31
End at: 2018-05-31 14:05:01
Local clock offset: -0.009 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1222.20 Mbit/s
95th percentile per-packet one-way delay: 238.933 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 587.43 Mbit/s
95th percentile per-packet one-way delay: 241.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 664.33 Mbit/s
95th percentile per-packet one-way delay: 232.531 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 581.18 Mbit/s
95th percentile per-packet one-way delay: 198.563 ms
Loss rate: 2.40%
```

Run 9: Report of FillP — Data Link

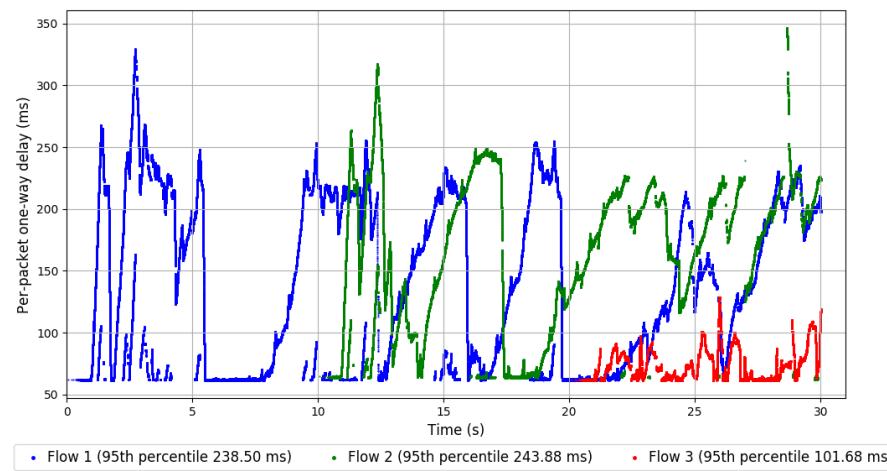
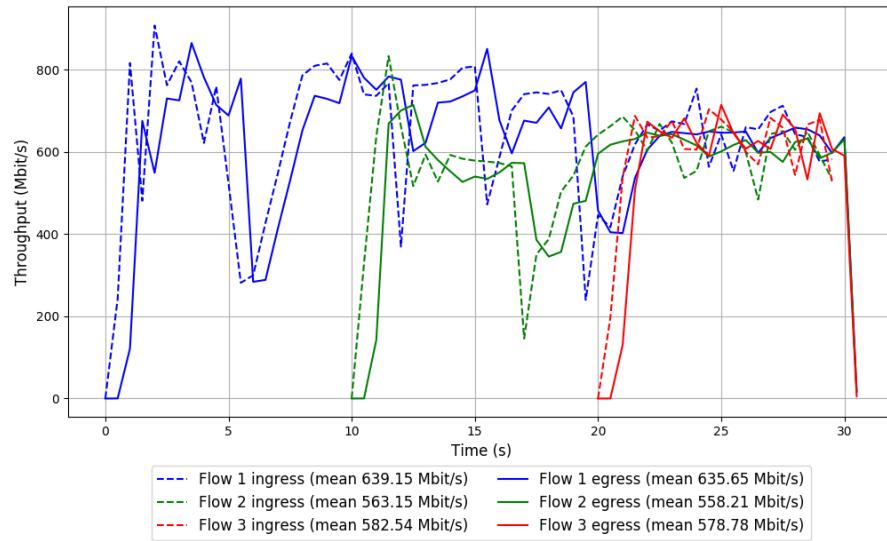


Run 10: Statistics of FillP

```
Start at: 2018-05-31 14:27:15
End at: 2018-05-31 14:27:45
Local clock offset: 0.033 ms
Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1198.78 Mbit/s
95th percentile per-packet one-way delay: 239.507 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 635.65 Mbit/s
95th percentile per-packet one-way delay: 238.500 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 558.21 Mbit/s
95th percentile per-packet one-way delay: 243.879 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 578.78 Mbit/s
95th percentile per-packet one-way delay: 101.676 ms
Loss rate: 0.64%
```

Run 10: Report of FillP — Data Link

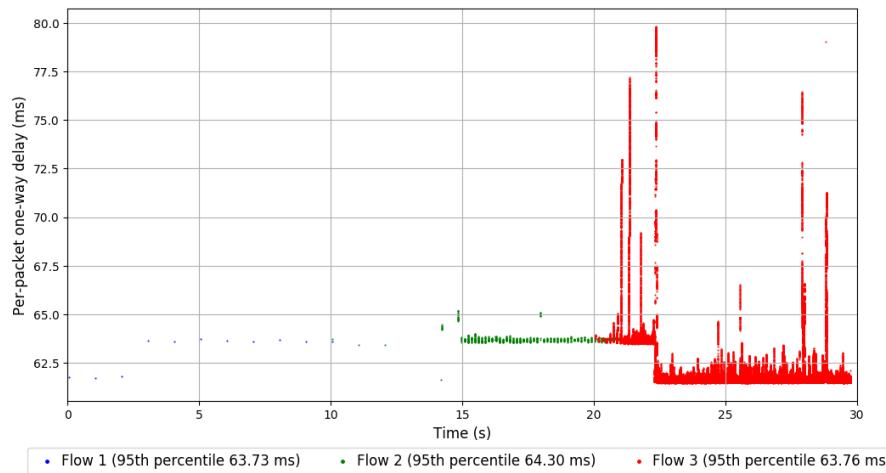
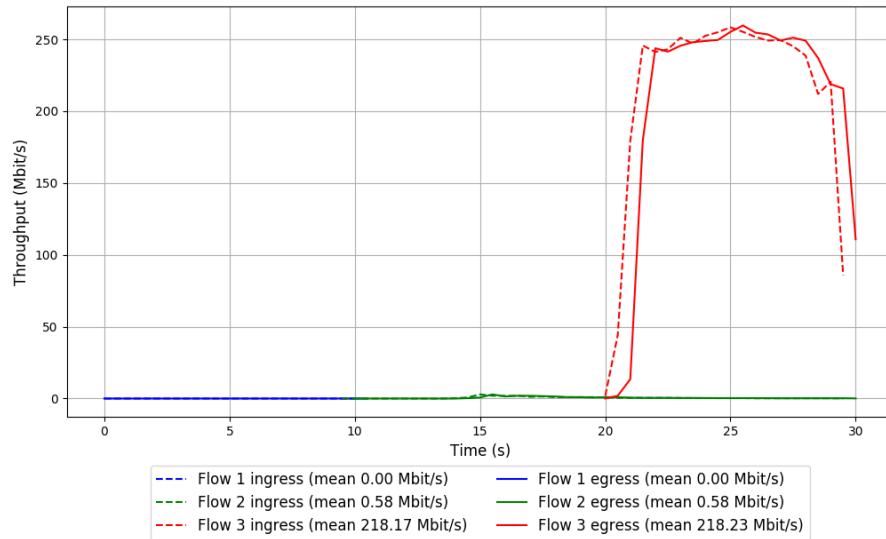


Run 1: Statistics of Indigo

```
Start at: 2018-05-31 11:05:32
End at: 2018-05-31 11:06:02
Local clock offset: -0.52 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 63.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 63.733 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 64.295 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 218.23 Mbit/s
95th percentile per-packet one-way delay: 63.755 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

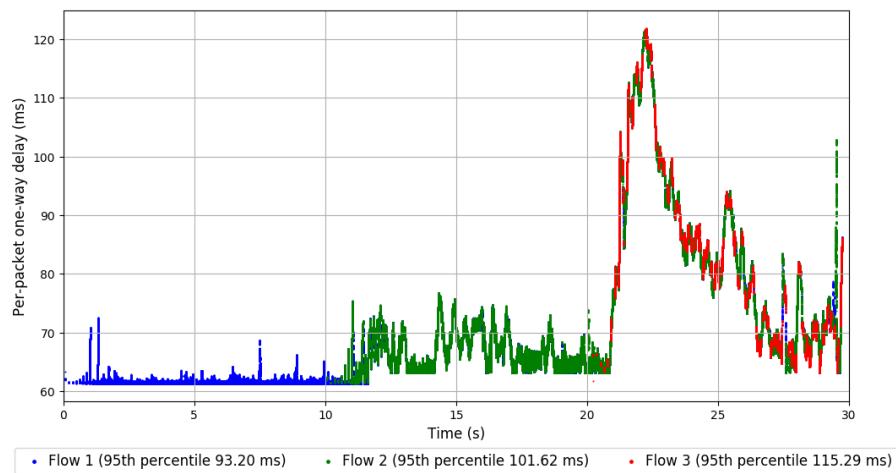
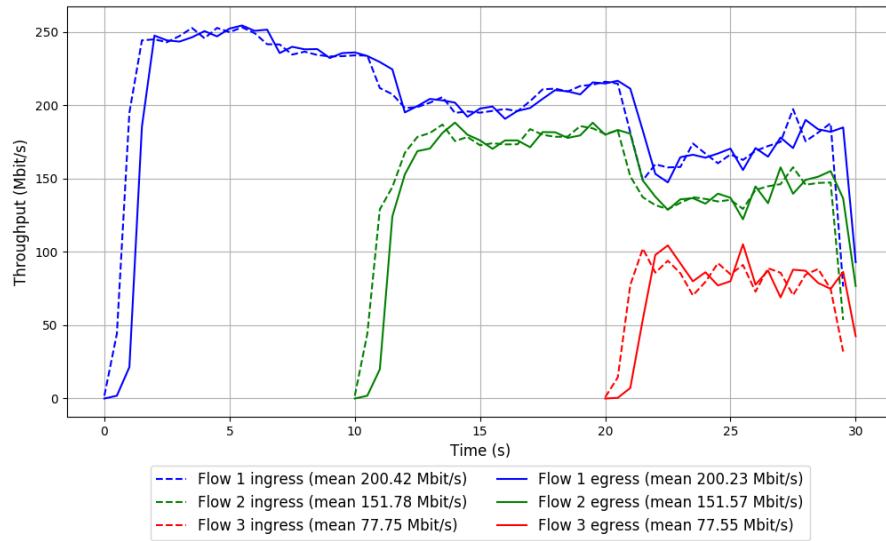


Run 2: Statistics of Indigo

```
Start at: 2018-05-31 11:27:42
End at: 2018-05-31 11:28:12
Local clock offset: -0.309 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.59 Mbit/s
95th percentile per-packet one-way delay: 100.114 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 200.23 Mbit/s
95th percentile per-packet one-way delay: 93.203 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 151.57 Mbit/s
95th percentile per-packet one-way delay: 101.624 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 115.293 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

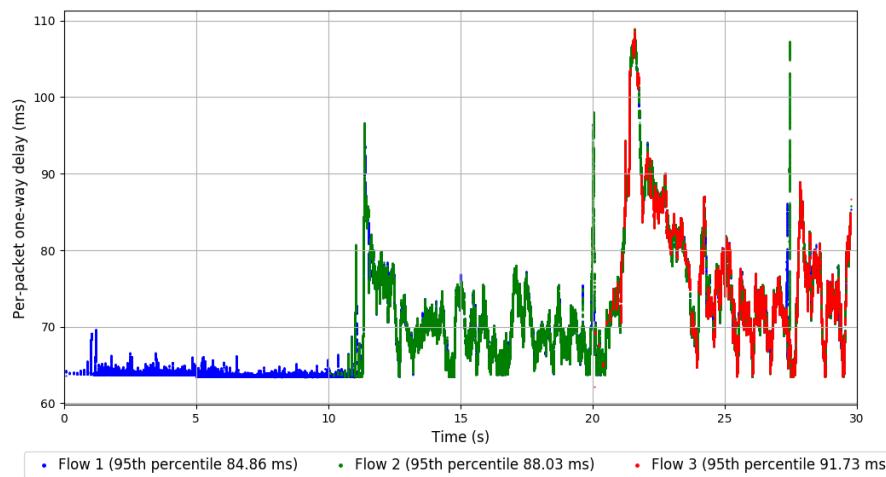
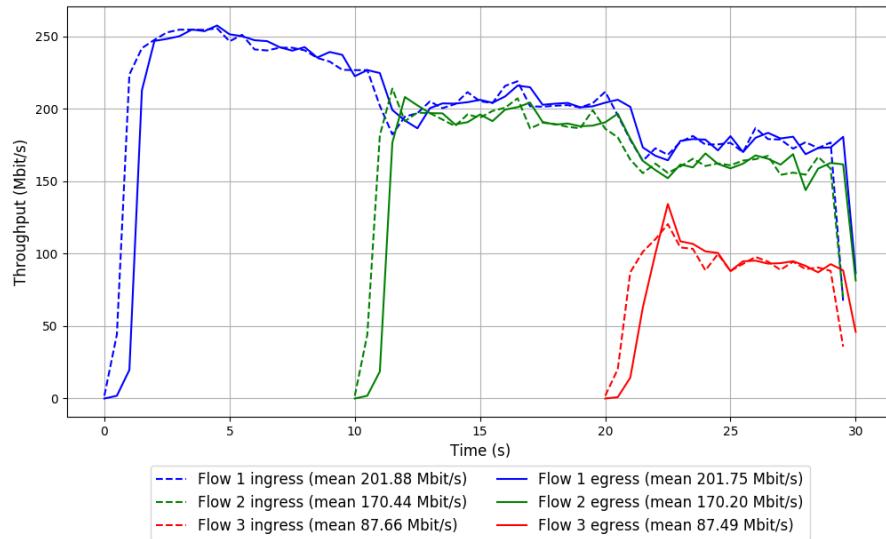


Run 3: Statistics of Indigo

```
Start at: 2018-05-31 11:50:29
End at: 2018-05-31 11:50:59
Local clock offset: 0.083 ms
Remote clock offset: 0.249 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 343.12 Mbit/s
95th percentile per-packet one-way delay: 87.272 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 201.75 Mbit/s
95th percentile per-packet one-way delay: 84.861 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 170.20 Mbit/s
95th percentile per-packet one-way delay: 88.027 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 91.730 ms
Loss rate: 0.12%
```

Run 3: Report of Indigo — Data Link

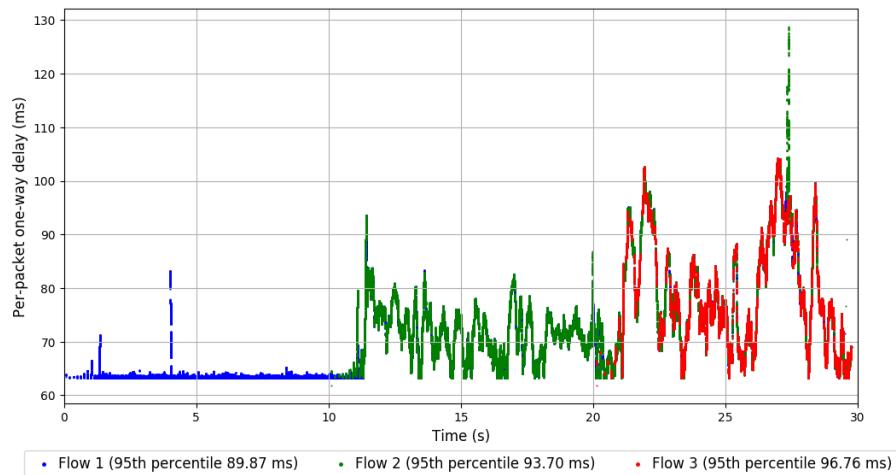
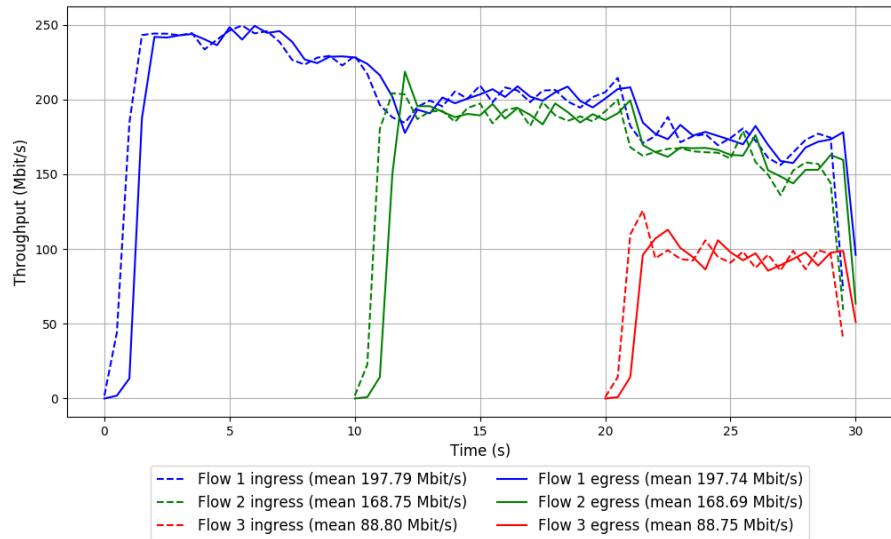


Run 4: Statistics of Indigo

```
Start at: 2018-05-31 12:13:14
End at: 2018-05-31 12:13:44
Local clock offset: 0.022 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.11 Mbit/s
95th percentile per-packet one-way delay: 92.815 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 197.74 Mbit/s
95th percentile per-packet one-way delay: 89.867 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 168.69 Mbit/s
95th percentile per-packet one-way delay: 93.704 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 96.761 ms
Loss rate: 0.04%
```

Run 4: Report of Indigo — Data Link

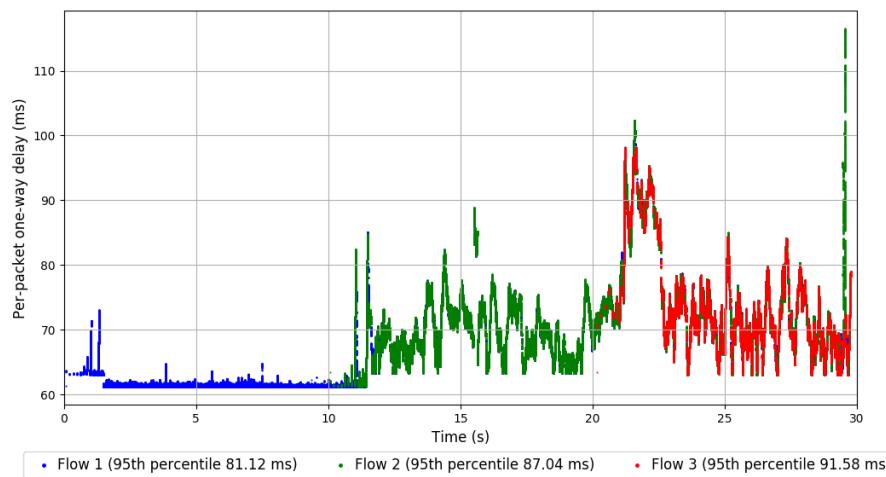
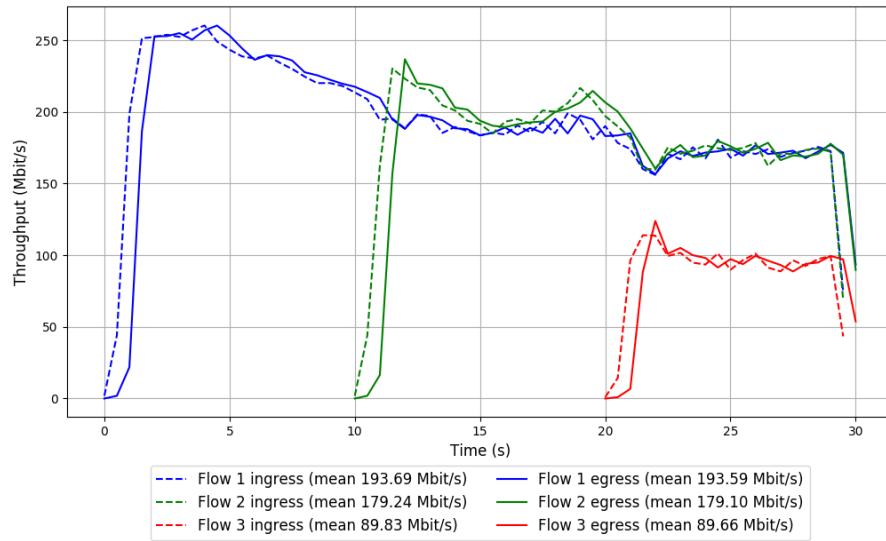


Run 5: Statistics of Indigo

```
Start at: 2018-05-31 12:36:03
End at: 2018-05-31 12:36:33
Local clock offset: -0.053 ms
Remote clock offset: -0.32 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 341.34 Mbit/s
95th percentile per-packet one-way delay: 86.090 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 193.59 Mbit/s
95th percentile per-packet one-way delay: 81.119 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 179.10 Mbit/s
95th percentile per-packet one-way delay: 87.038 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 91.578 ms
Loss rate: 0.19%
```

Run 5: Report of Indigo — Data Link

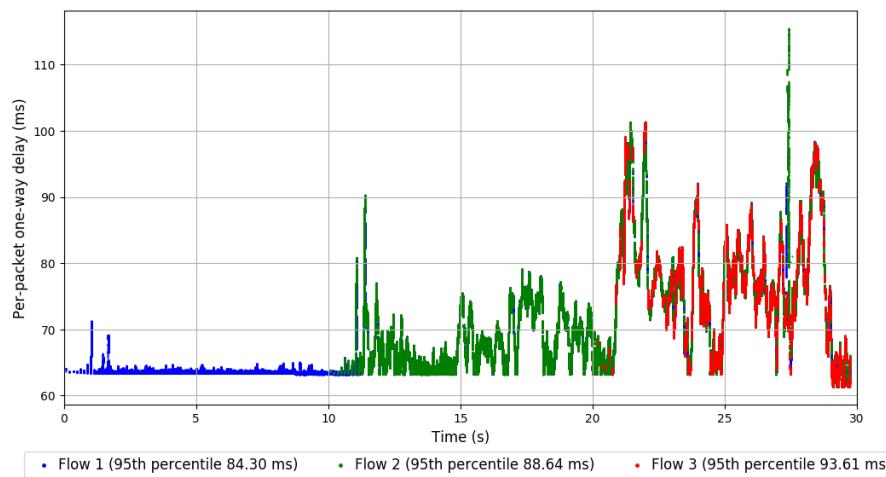
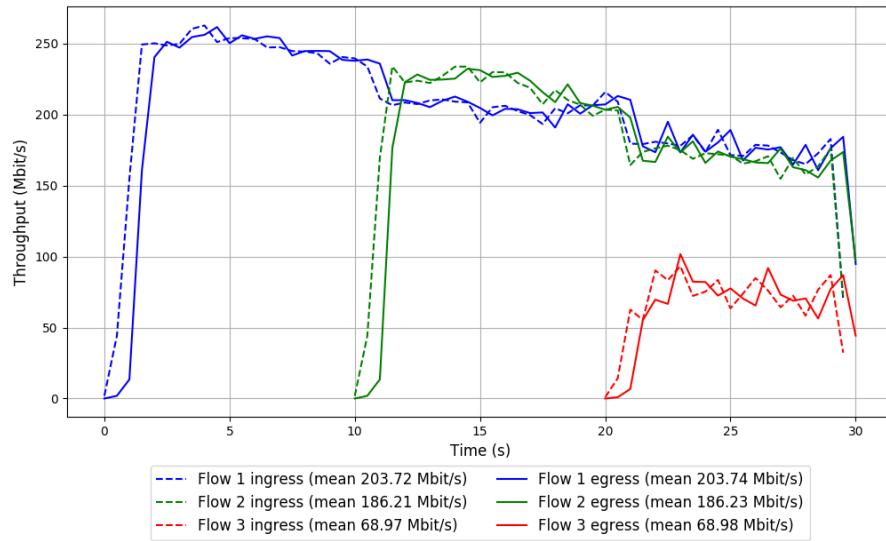


Run 6: Statistics of Indigo

```
Start at: 2018-05-31 12:58:26
End at: 2018-05-31 12:58:56
Local clock offset: -0.041 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.40 Mbit/s
95th percentile per-packet one-way delay: 87.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.74 Mbit/s
95th percentile per-packet one-way delay: 84.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.23 Mbit/s
95th percentile per-packet one-way delay: 88.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 93.607 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

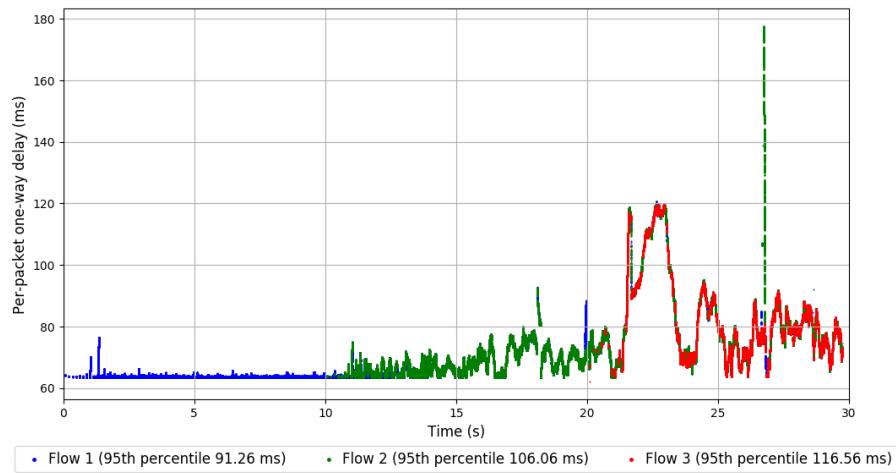
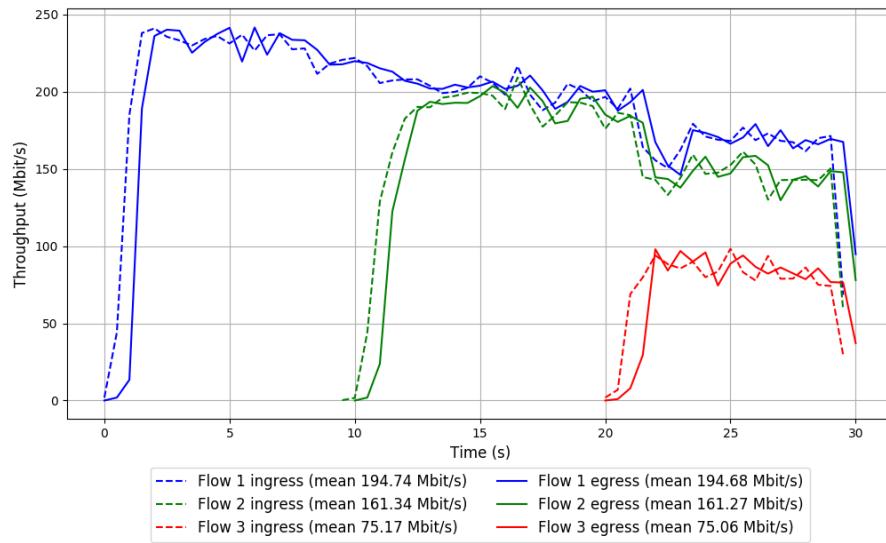


Run 7: Statistics of Indigo

```
Start at: 2018-05-31 13:21:00
End at: 2018-05-31 13:21:30
Local clock offset: 0.004 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.11 Mbit/s
95th percentile per-packet one-way delay: 99.035 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 194.68 Mbit/s
95th percentile per-packet one-way delay: 91.260 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 161.27 Mbit/s
95th percentile per-packet one-way delay: 106.065 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 116.560 ms
Loss rate: 0.15%
```

Run 7: Report of Indigo — Data Link

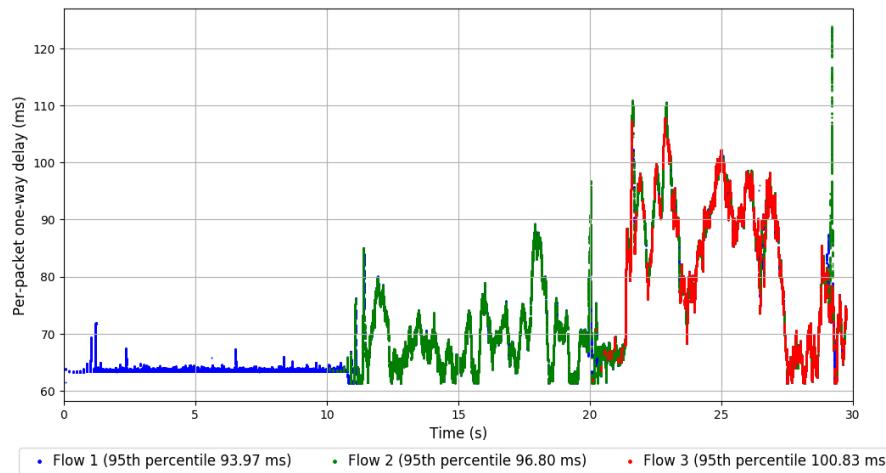
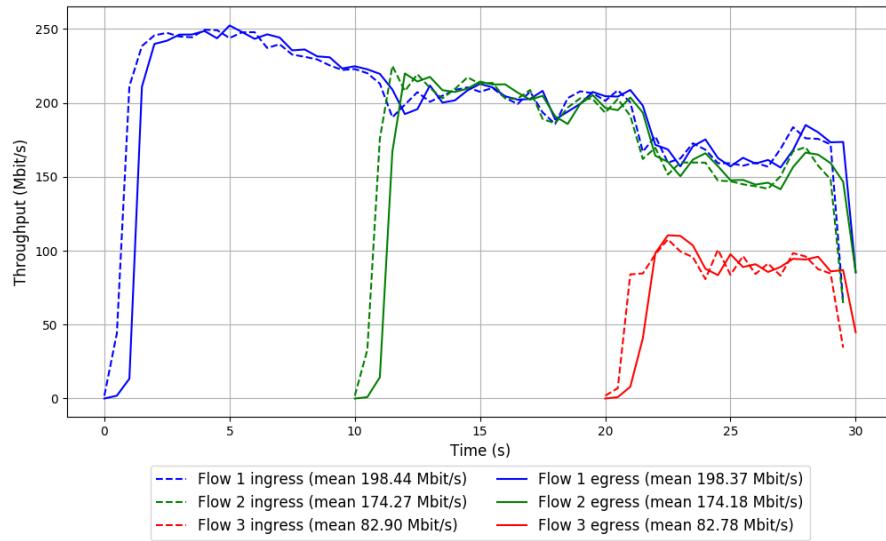


Run 8: Statistics of Indigo

```
Start at: 2018-05-31 13:43:44
End at: 2018-05-31 13:44:14
Local clock offset: -0.012 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.56 Mbit/s
95th percentile per-packet one-way delay: 96.285 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 198.37 Mbit/s
95th percentile per-packet one-way delay: 93.967 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 174.18 Mbit/s
95th percentile per-packet one-way delay: 96.800 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: 100.825 ms
Loss rate: 0.09%
```

Run 8: Report of Indigo — Data Link

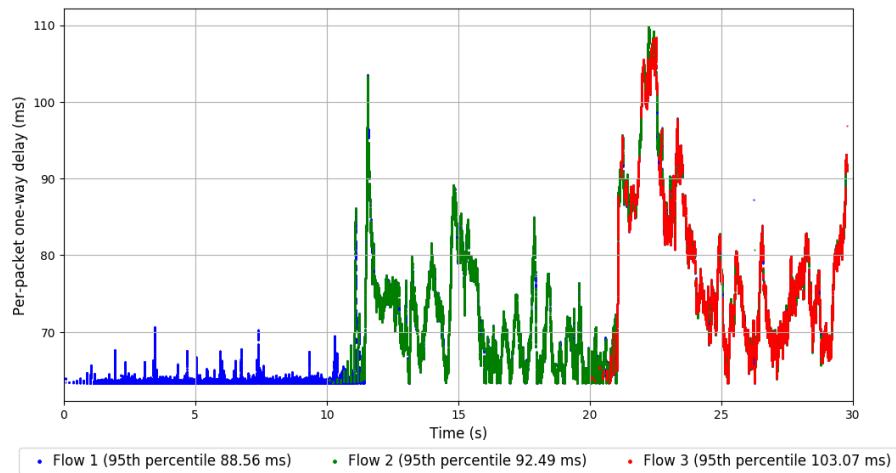
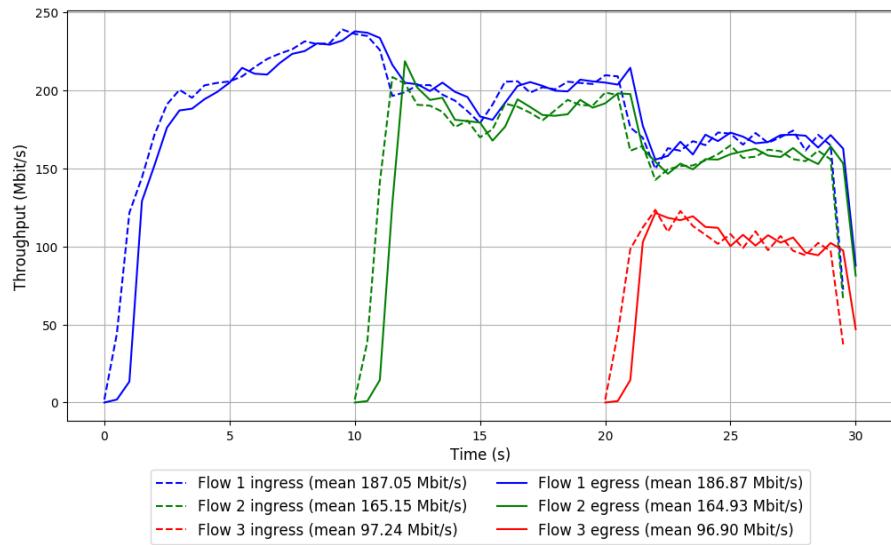


Run 9: Statistics of Indigo

```
Start at: 2018-05-31 14:06:30
End at: 2018-05-31 14:07:00
Local clock offset: 0.012 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.67 Mbit/s
95th percentile per-packet one-way delay: 91.799 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 186.87 Mbit/s
95th percentile per-packet one-way delay: 88.565 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 164.93 Mbit/s
95th percentile per-packet one-way delay: 92.486 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 103.070 ms
Loss rate: 0.23%
```

Run 9: Report of Indigo — Data Link

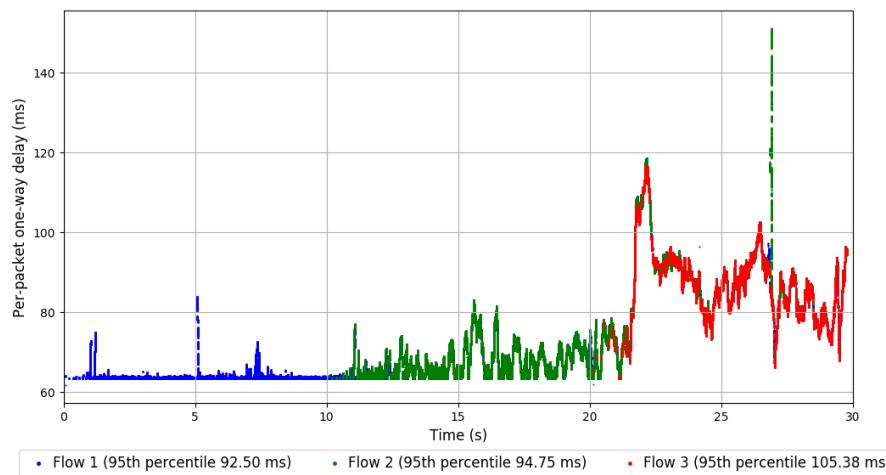
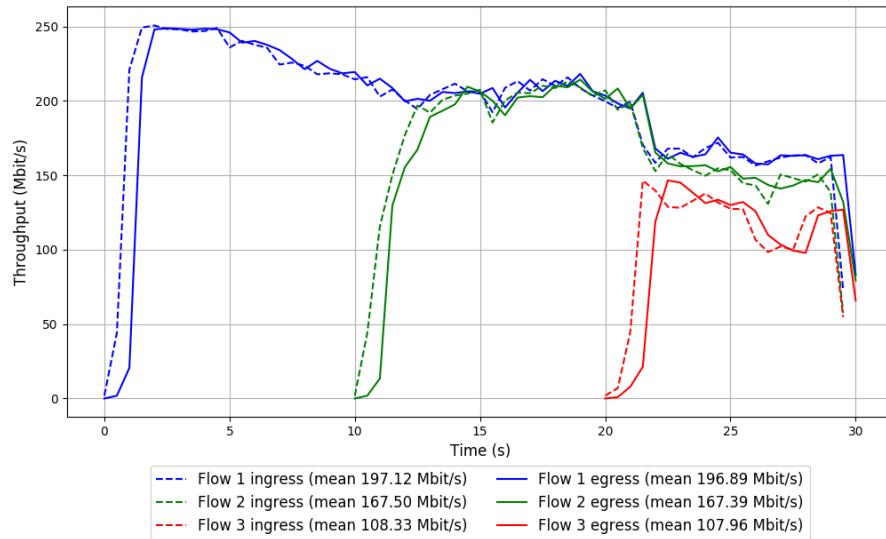


Run 10: Statistics of Indigo

```
Start at: 2018-05-31 14:29:13
End at: 2018-05-31 14:29:43
Local clock offset: -0.026 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 342.91 Mbit/s
95th percentile per-packet one-way delay: 94.170 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 196.89 Mbit/s
95th percentile per-packet one-way delay: 92.501 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 167.39 Mbit/s
95th percentile per-packet one-way delay: 94.747 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 107.96 Mbit/s
95th percentile per-packet one-way delay: 105.382 ms
Loss rate: 0.32%
```

Run 10: Report of Indigo — Data Link

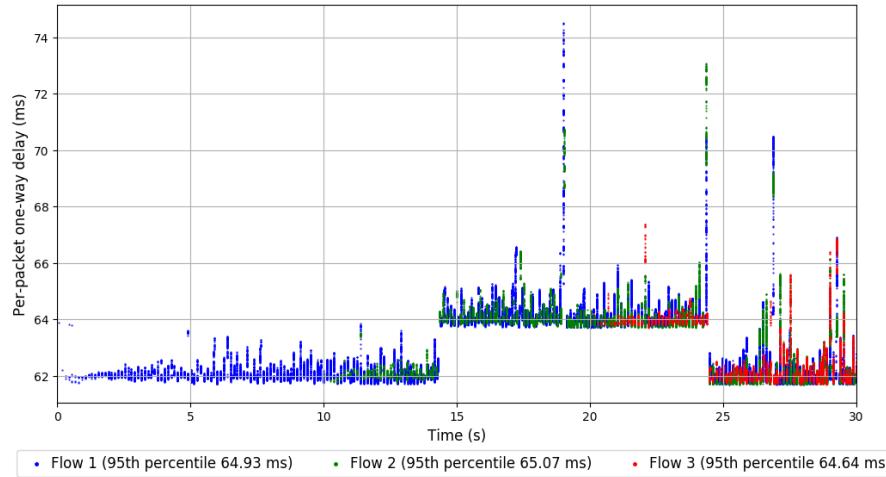
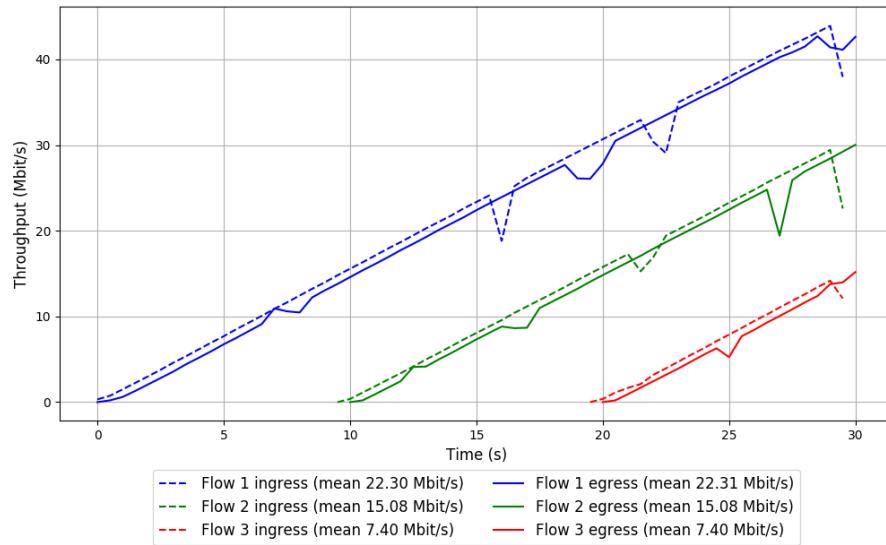


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-31 11:02:20
End at: 2018-05-31 11:02:50
Local clock offset: -0.483 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 64.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 64.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 65.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 64.638 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

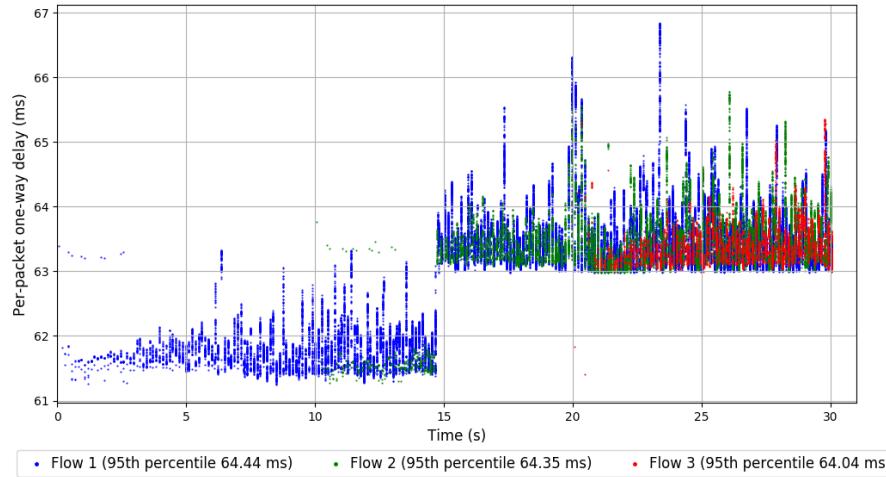
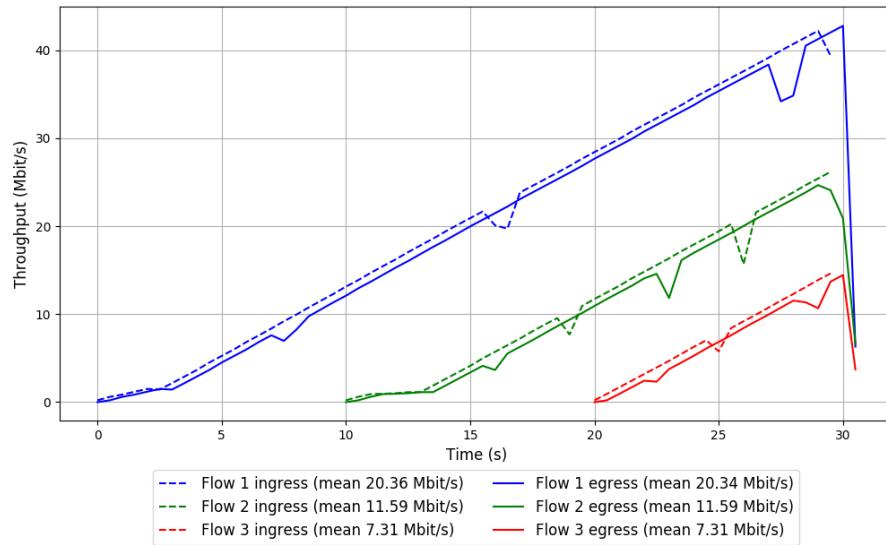


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-31 11:24:30
End at: 2018-05-31 11:25:00
Local clock offset: -0.508 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 64.371 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 64.442 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 64.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 64.036 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

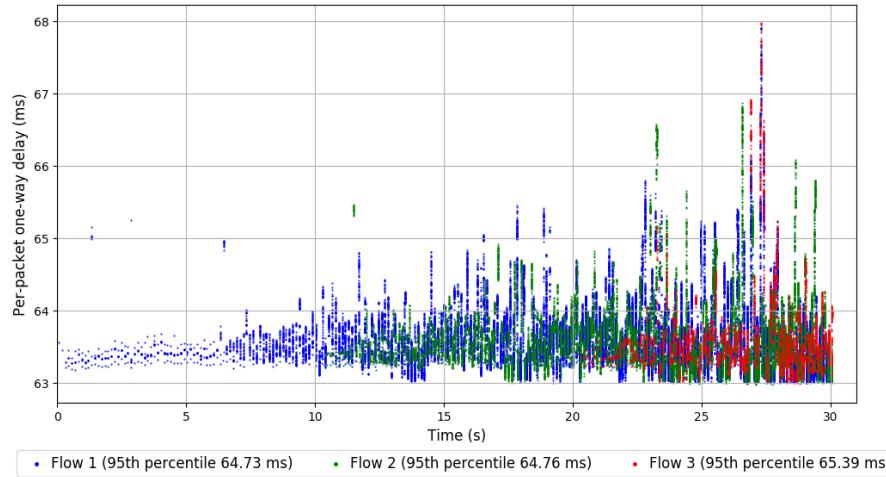
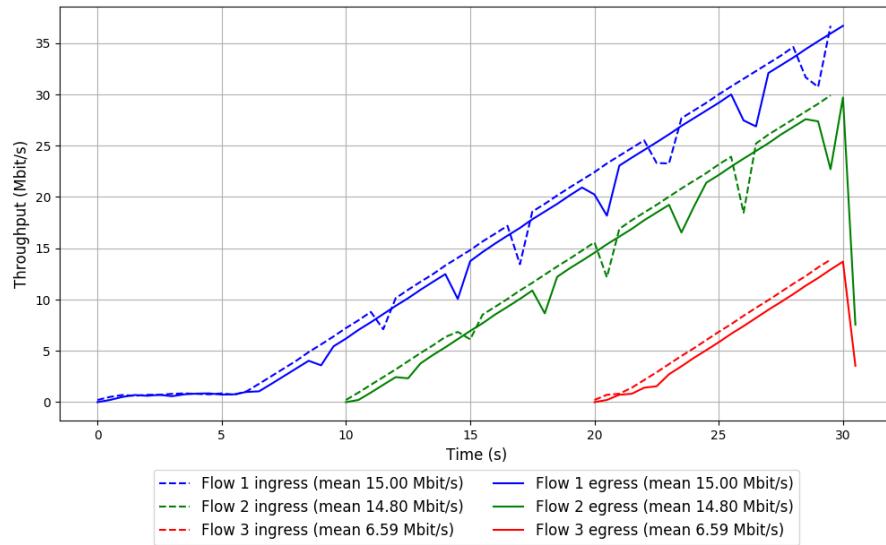


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-31 11:47:18
End at: 2018-05-31 11:47:48
Local clock offset: 0.057 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 64.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 64.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 64.762 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 65.389 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

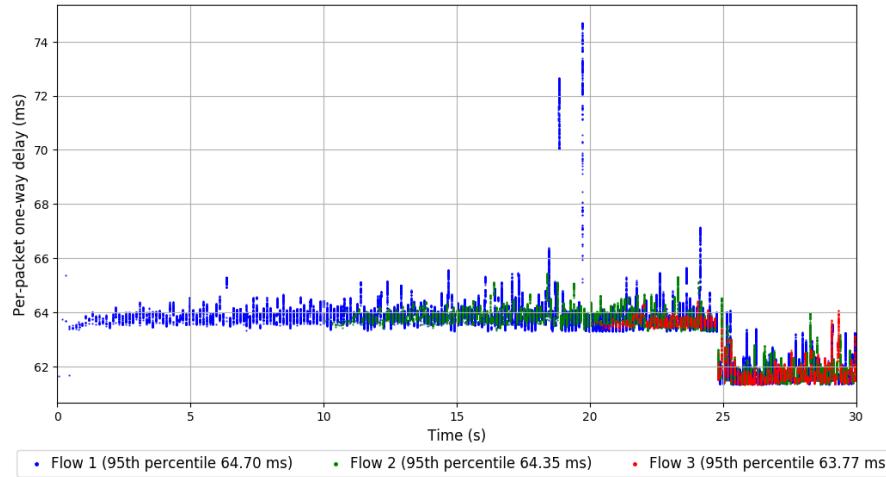
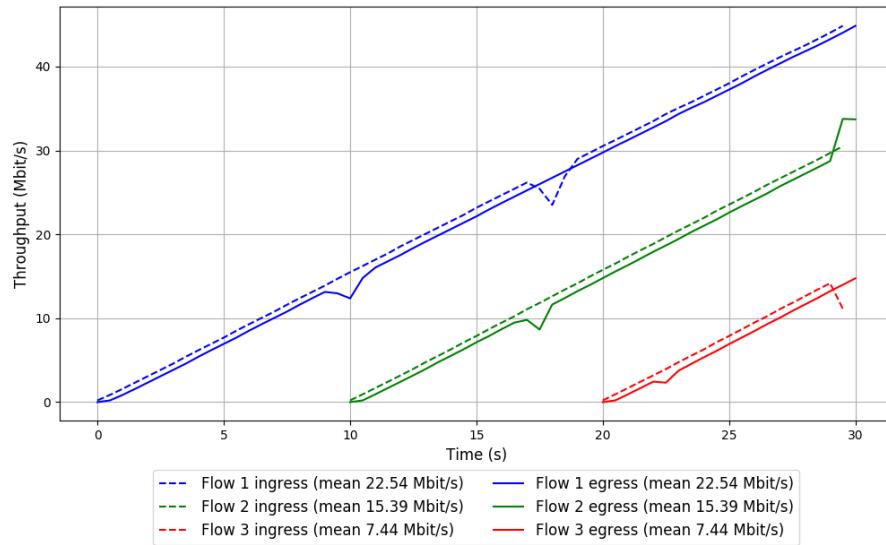


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-31 12:10:00
End at: 2018-05-31 12:10:30
Local clock offset: 0.083 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 64.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: 64.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.39 Mbit/s
95th percentile per-packet one-way delay: 64.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 63.769 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

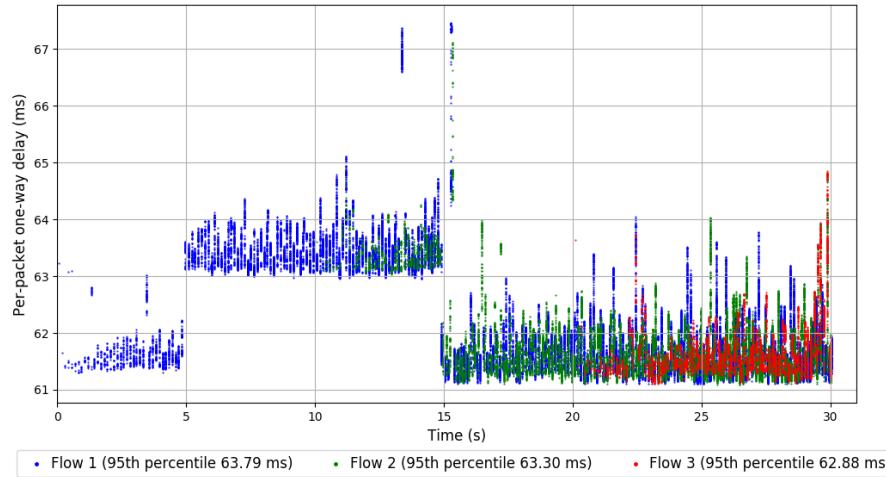
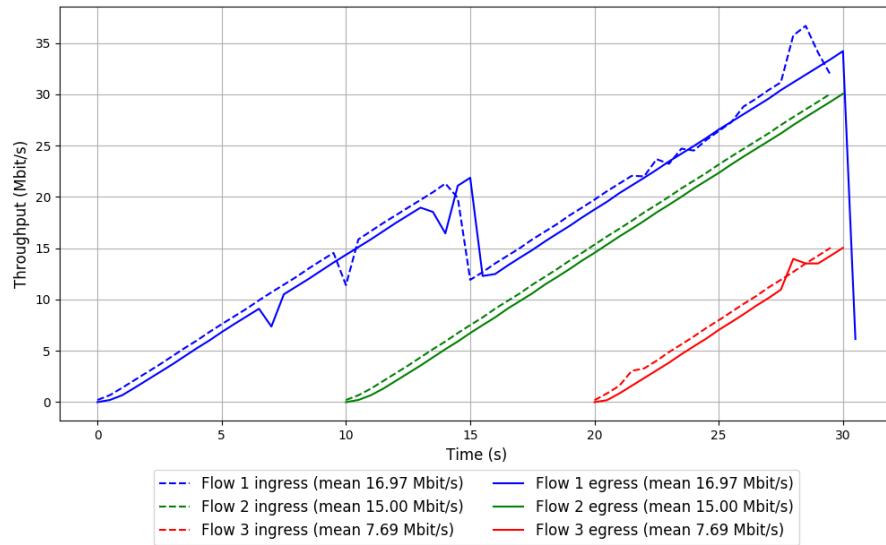


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-31 12:32:50
End at: 2018-05-31 12:33:20
Local clock offset: 0.034 ms
Remote clock offset: -0.34 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 63.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 63.790 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 63.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 62.880 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

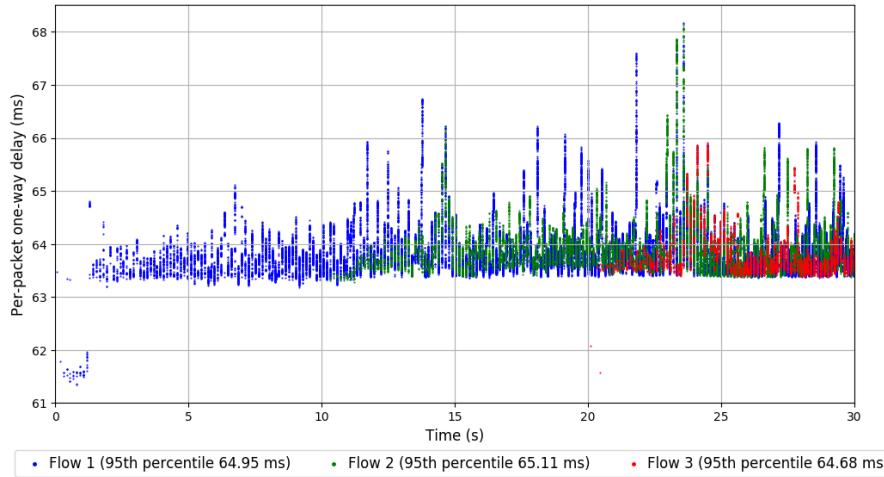
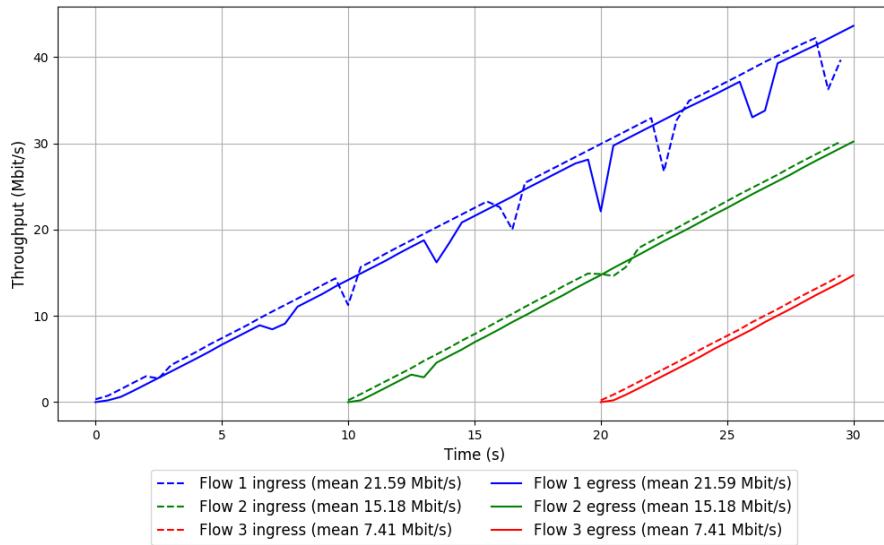


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-31 12:55:13
End at: 2018-05-31 12:55:43
Local clock offset: -0.016 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 64.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 64.949 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 65.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 64.684 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

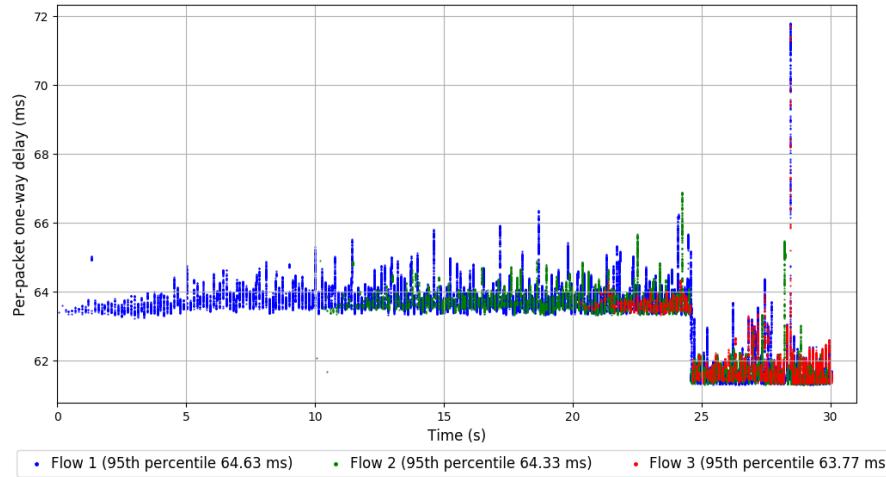
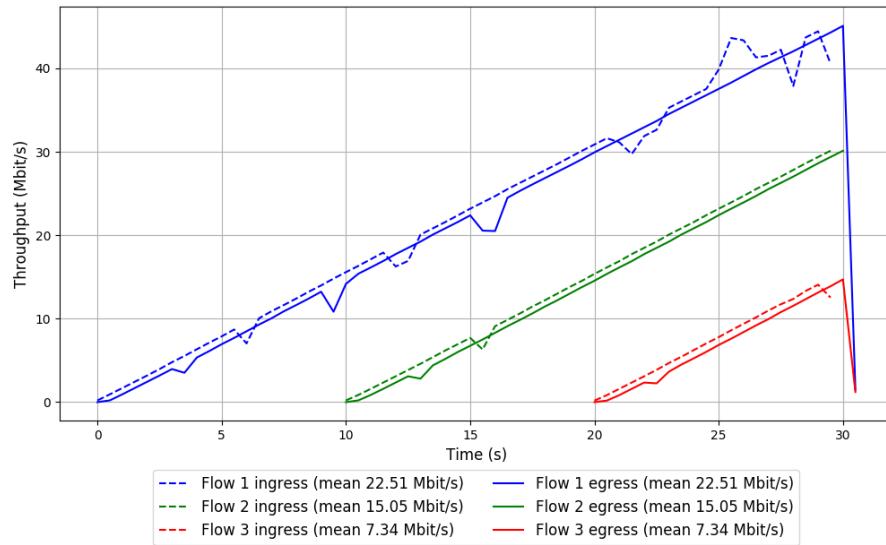


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-31 13:17:50
End at: 2018-05-31 13:18:20
Local clock offset: 0.017 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 64.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 64.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 64.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 63.768 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

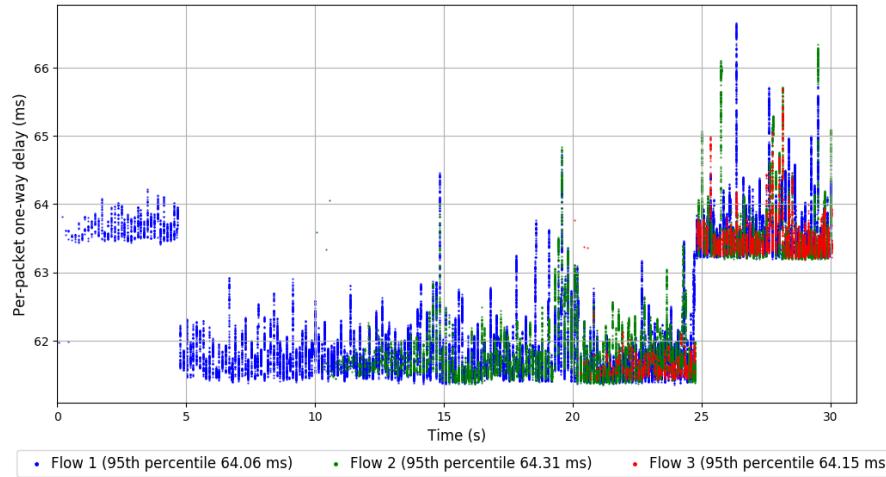
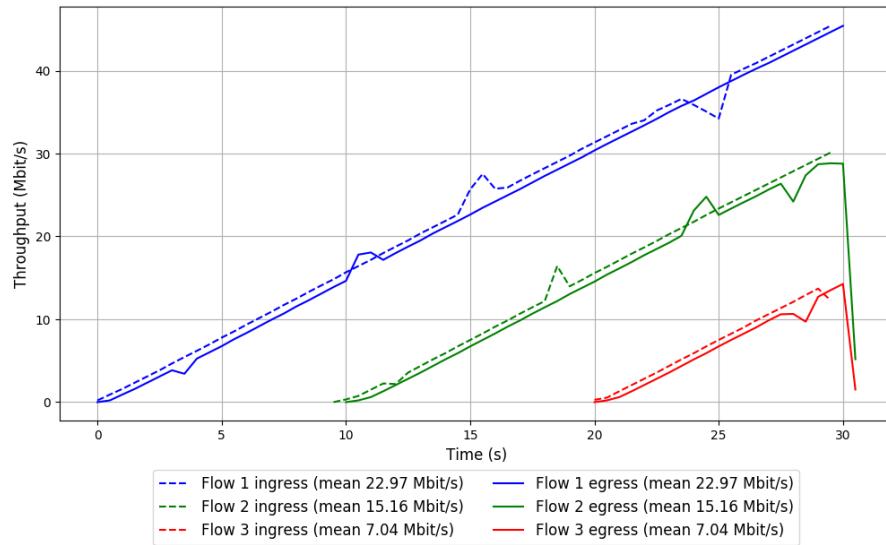


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-31 13:40:30
End at: 2018-05-31 13:41:00
Local clock offset: 0.02 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 64.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 64.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 64.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 64.149 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

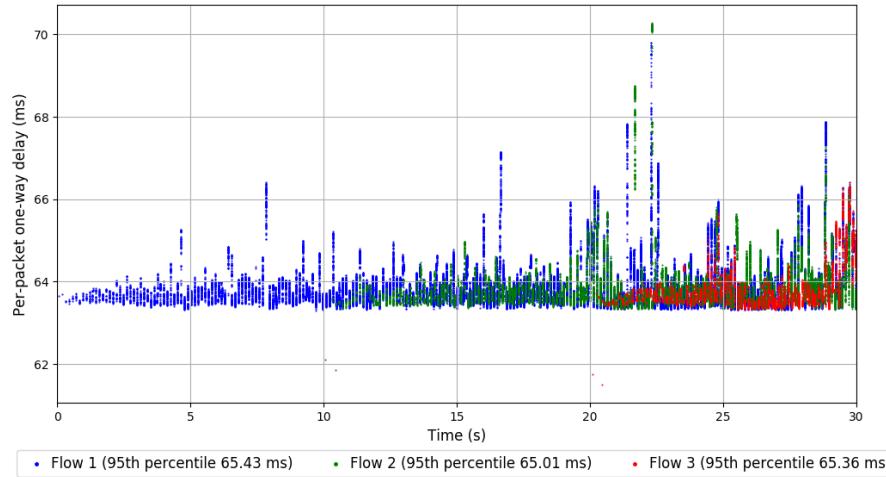
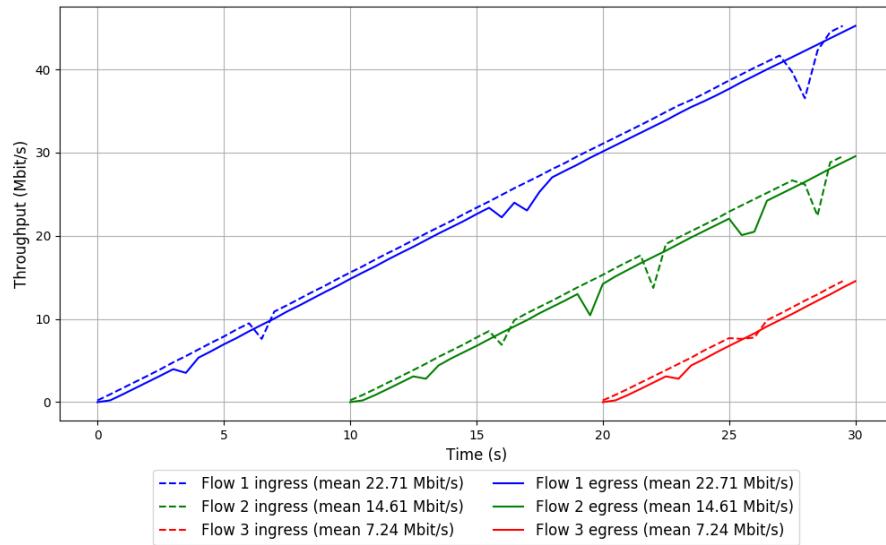


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-31 14:03:20
End at: 2018-05-31 14:03:50
Local clock offset: -0.023 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 65.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 65.433 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 65.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 65.360 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

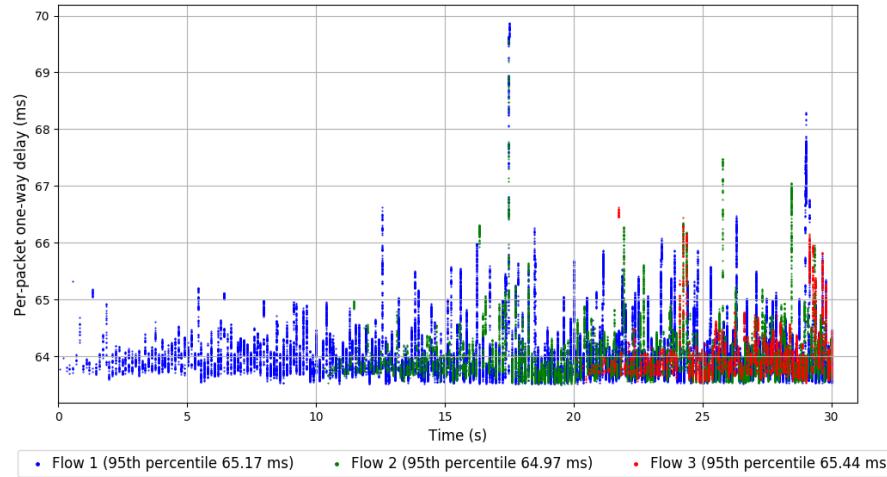
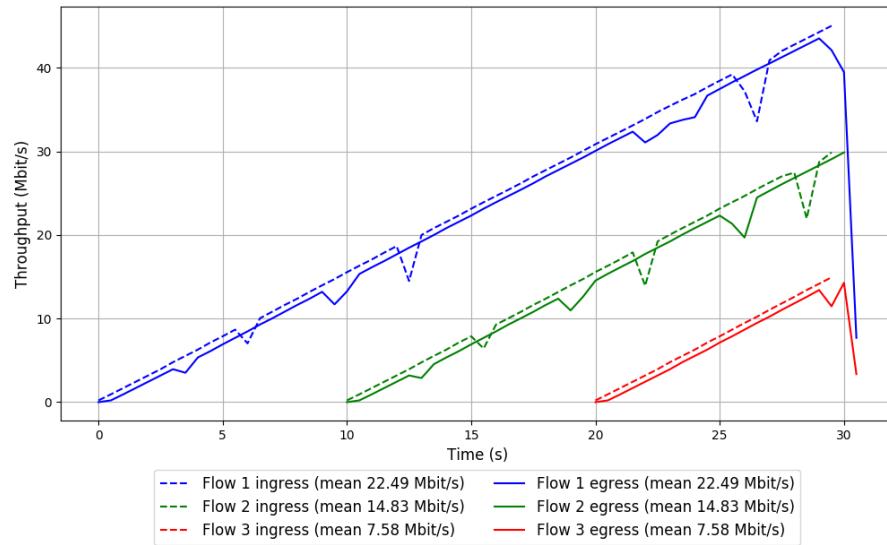


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-31 14:26:04
End at: 2018-05-31 14:26:34
Local clock offset: -0.02 ms
Remote clock offset: 0.147 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 65.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 65.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 64.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 65.441 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

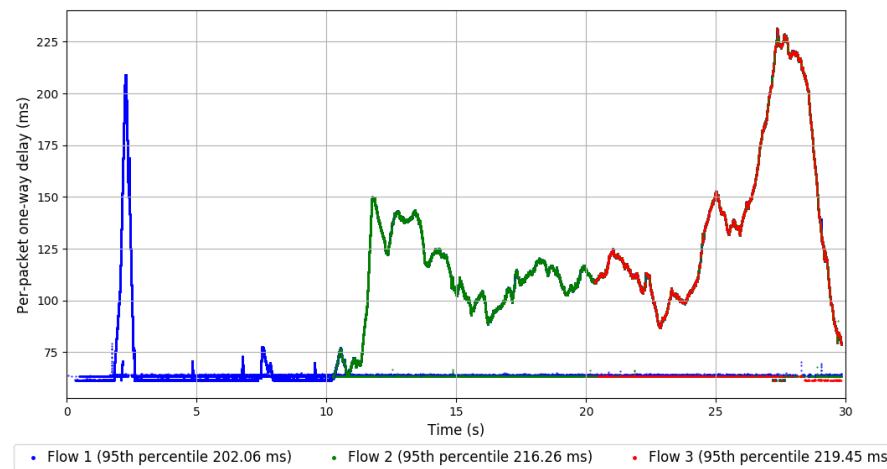
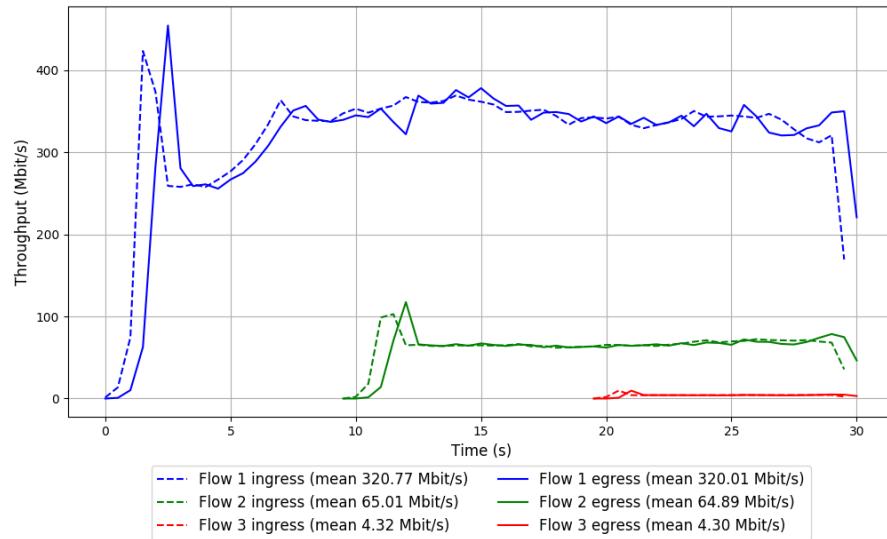


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-31 10:58:16
End at: 2018-05-31 10:58:46
Local clock offset: -0.436 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.69 Mbit/s
95th percentile per-packet one-way delay: 204.392 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 320.01 Mbit/s
95th percentile per-packet one-way delay: 202.064 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 216.258 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 219.451 ms
Loss rate: 0.37%
```

Run 1: Report of PCC-Allegro — Data Link

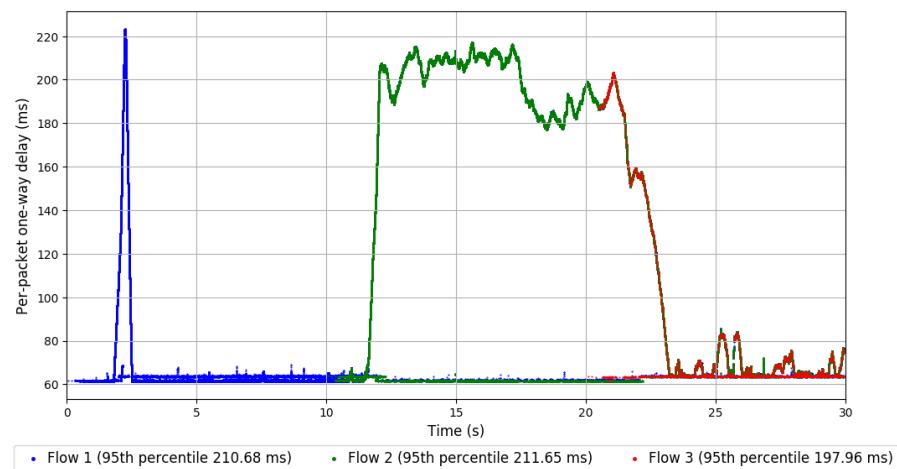
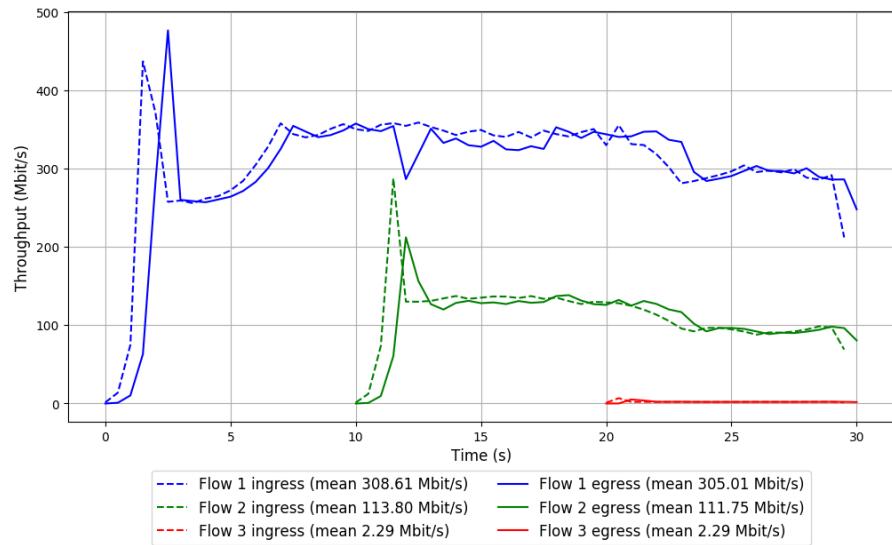


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-31 11:20:22
End at: 2018-05-31 11:20:52
Local clock offset: -0.584 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-05-31 15:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.05 Mbit/s
95th percentile per-packet one-way delay: 210.927 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 305.01 Mbit/s
95th percentile per-packet one-way delay: 210.684 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 111.75 Mbit/s
95th percentile per-packet one-way delay: 211.647 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 197.964 ms
Loss rate: 0.32%
```

Run 2: Report of PCC-Allegro — Data Link

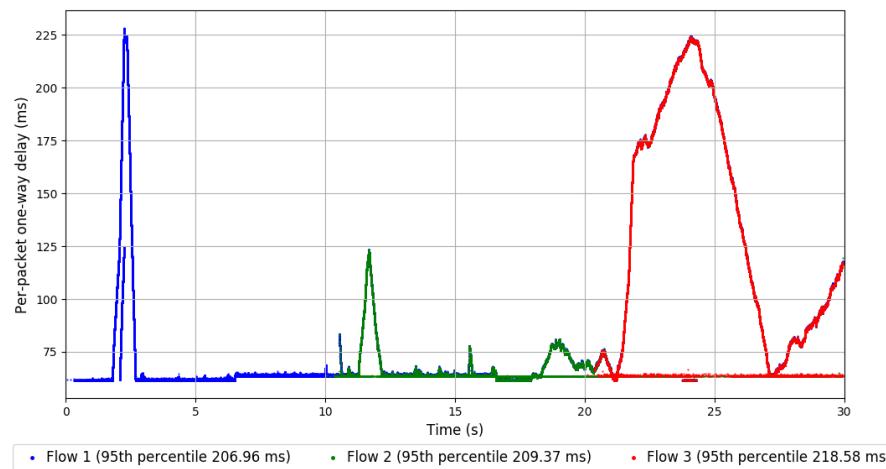
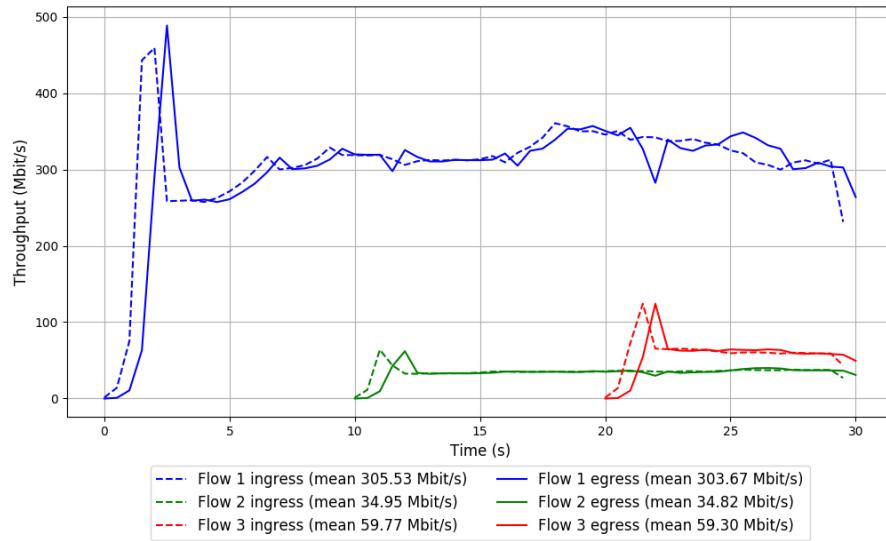


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-31 11:43:08
End at: 2018-05-31 11:43:38
Local clock offset: 0.034 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-05-31 15:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.33 Mbit/s
95th percentile per-packet one-way delay: 208.304 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 303.67 Mbit/s
95th percentile per-packet one-way delay: 206.960 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 209.367 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 218.579 ms
Loss rate: 0.78%
```

Run 3: Report of PCC-Allegro — Data Link

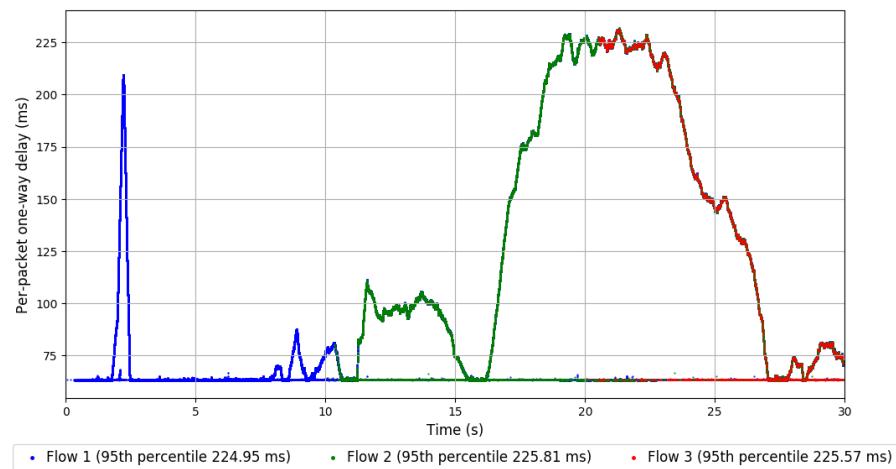
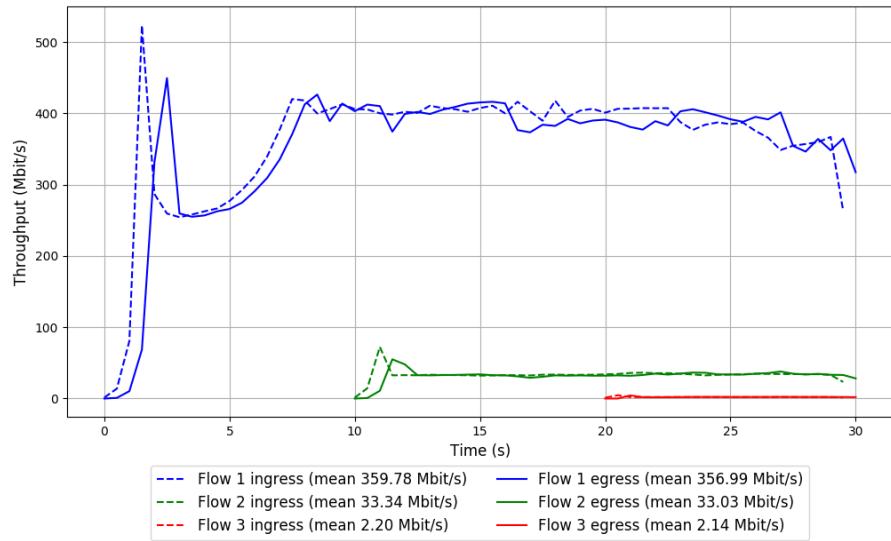


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-31 12:05:47
End at: 2018-05-31 12:06:17
Local clock offset: 0.044 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-05-31 15:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.59 Mbit/s
95th percentile per-packet one-way delay: 225.045 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 356.99 Mbit/s
95th percentile per-packet one-way delay: 224.953 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 225.811 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 225.570 ms
Loss rate: 2.50%
```

Run 4: Report of PCC-Allegro — Data Link

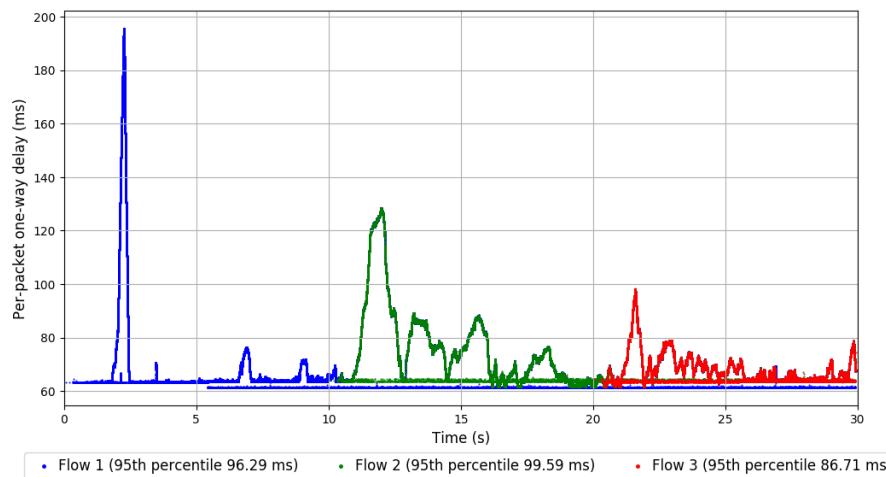
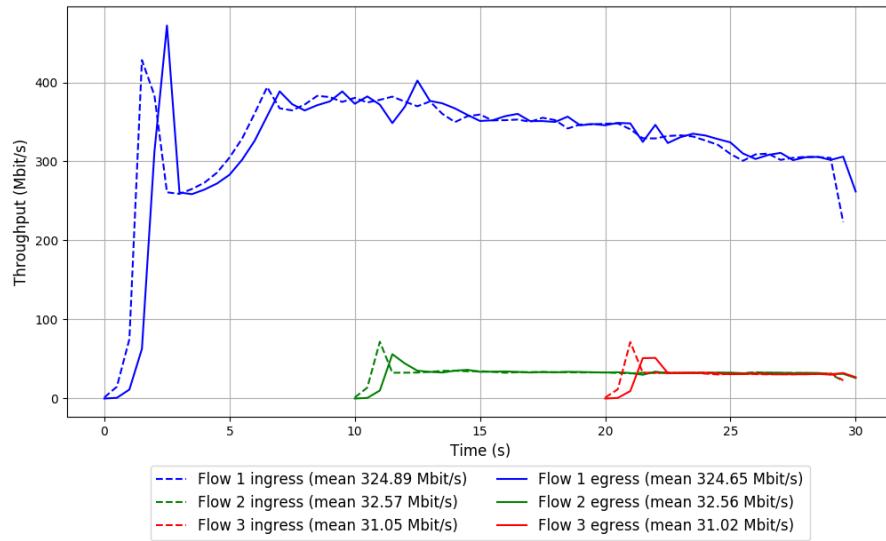


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-31 12:28:39
End at: 2018-05-31 12:29:09
Local clock offset: 0.051 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-05-31 15:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.46 Mbit/s
95th percentile per-packet one-way delay: 95.832 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 324.65 Mbit/s
95th percentile per-packet one-way delay: 96.286 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 99.595 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.03%
```

Run 5: Report of PCC-Allegro — Data Link

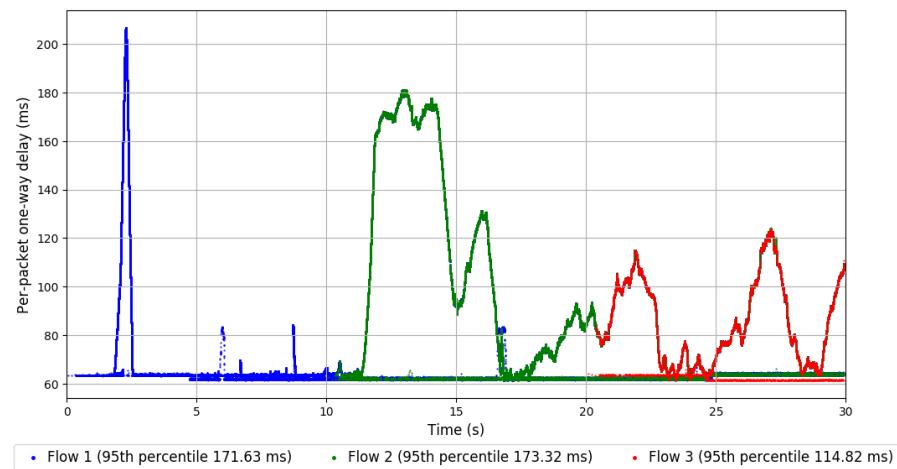
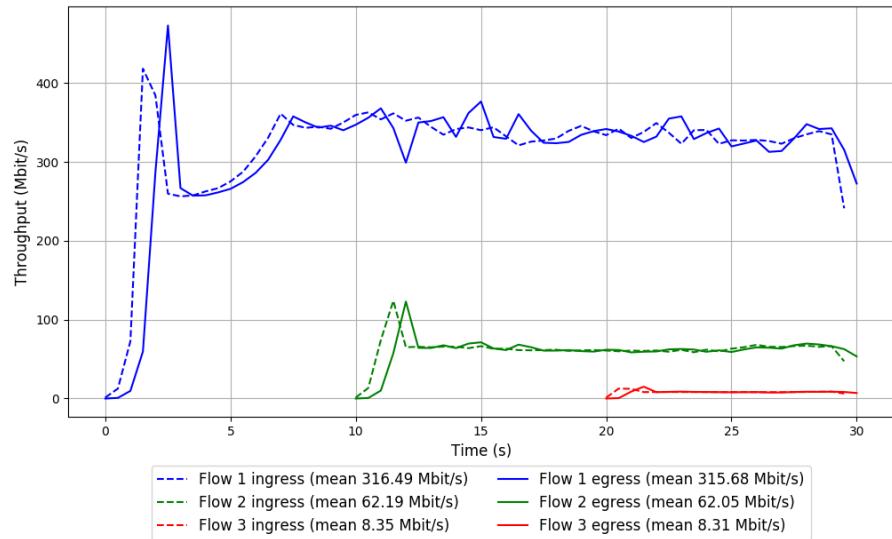


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-31 12:51:10
End at: 2018-05-31 12:51:40
Local clock offset: -0.035 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-05-31 15:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.65 Mbit/s
95th percentile per-packet one-way delay: 171.703 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 315.68 Mbit/s
95th percentile per-packet one-way delay: 171.629 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 173.317 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 114.818 ms
Loss rate: 0.48%
```

Run 6: Report of PCC-Allegro — Data Link

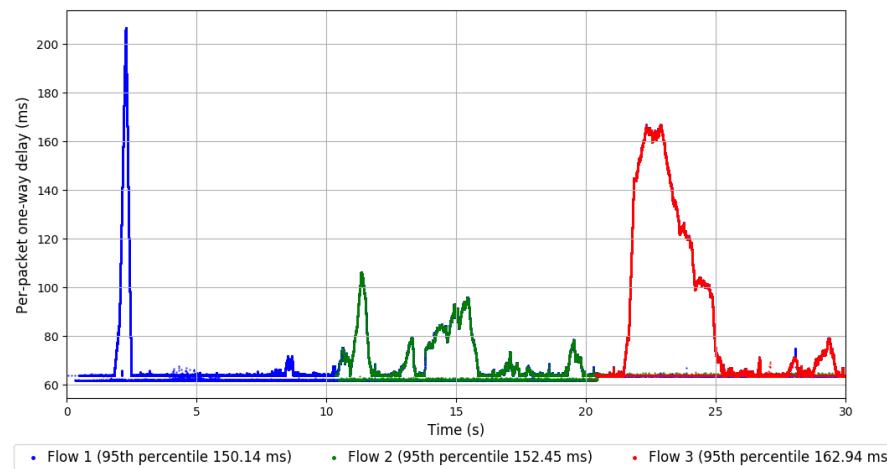
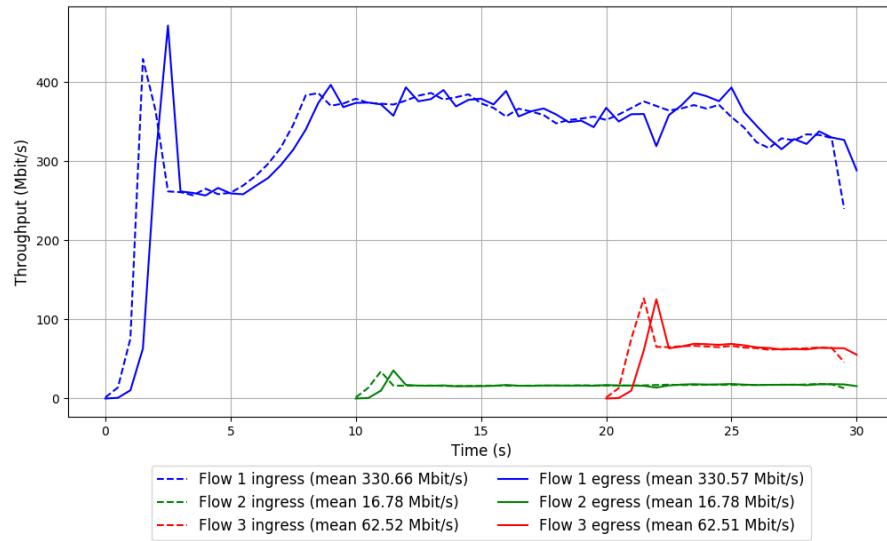


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-31 13:13:44
End at: 2018-05-31 13:14:14
Local clock offset: -0.017 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at 2018-05-31 15:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 362.34 Mbit/s
95th percentile per-packet one-way delay: 152.543 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 330.57 Mbit/s
95th percentile per-packet one-way delay: 150.143 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 16.78 Mbit/s
95th percentile per-packet one-way delay: 152.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 162.935 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Allegro — Data Link

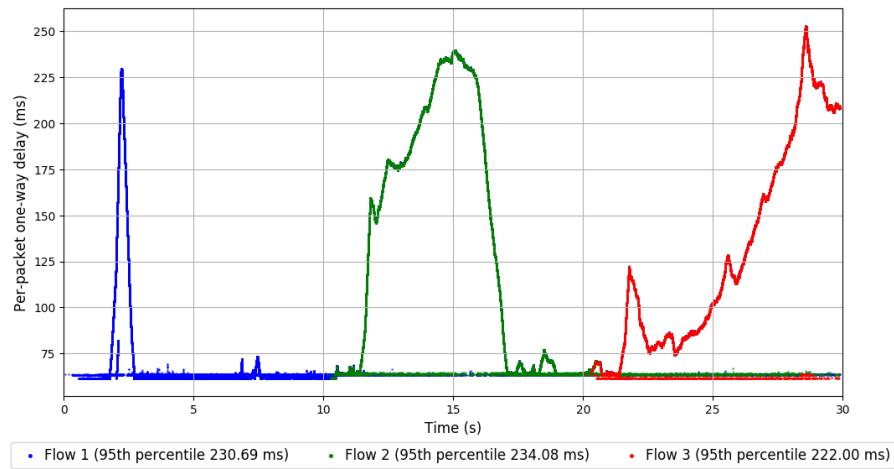
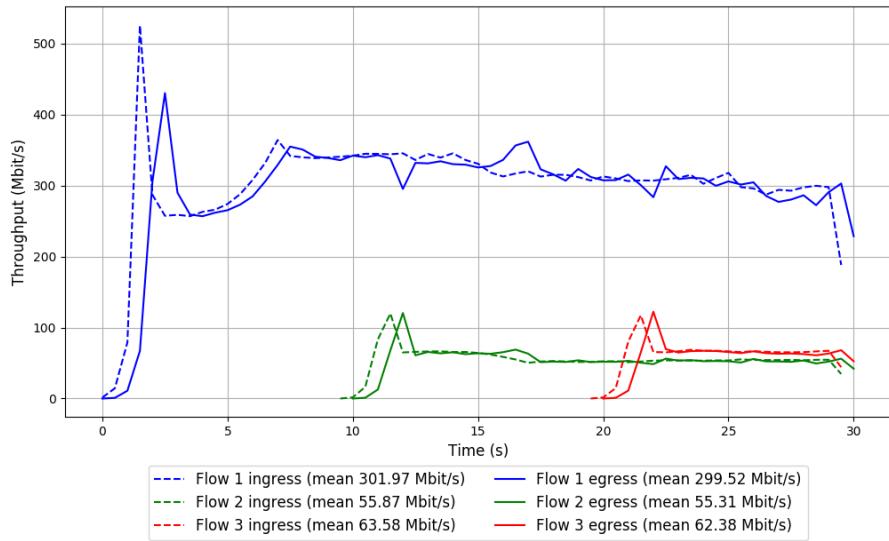


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-31 13:36:24
End at: 2018-05-31 13:36:54
Local clock offset: -0.045 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-05-31 15:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.93 Mbit/s
95th percentile per-packet one-way delay: 230.967 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 299.52 Mbit/s
95th percentile per-packet one-way delay: 230.687 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 234.082 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 62.38 Mbit/s
95th percentile per-packet one-way delay: 221.995 ms
Loss rate: 1.89%
```

Run 8: Report of PCC-Allegro — Data Link

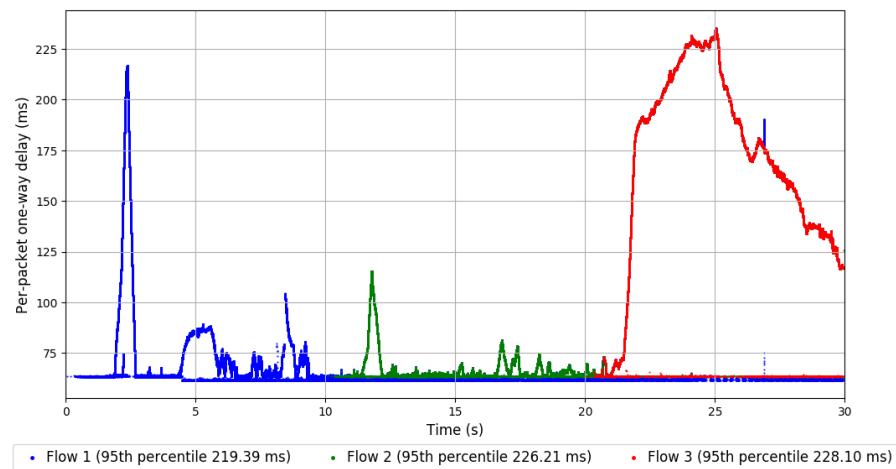
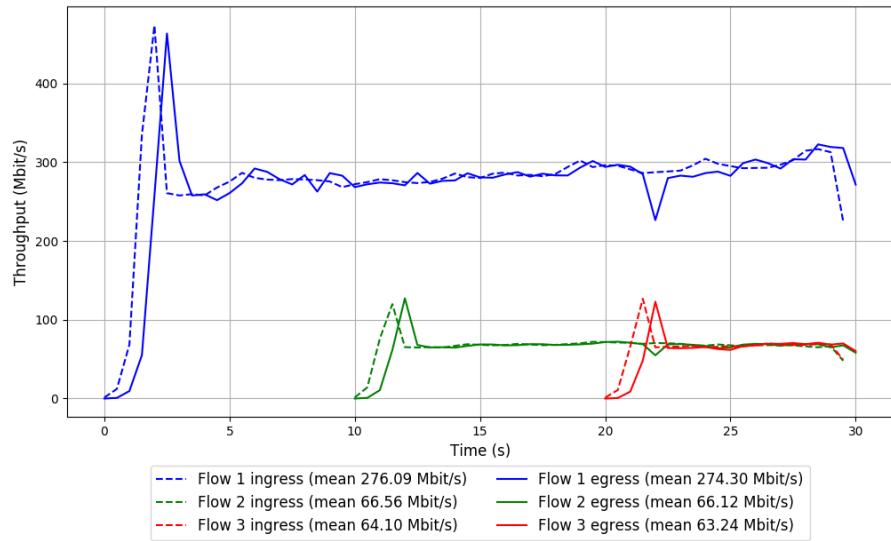


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-31 13:59:10
End at: 2018-05-31 13:59:40
Local clock offset: -0.014 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-05-31 15:59:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 339.02 Mbit/s
95th percentile per-packet one-way delay: 224.416 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 274.30 Mbit/s
95th percentile per-packet one-way delay: 219.393 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 226.208 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 63.24 Mbit/s
95th percentile per-packet one-way delay: 228.105 ms
Loss rate: 1.34%
```

Run 9: Report of PCC-Allegro — Data Link

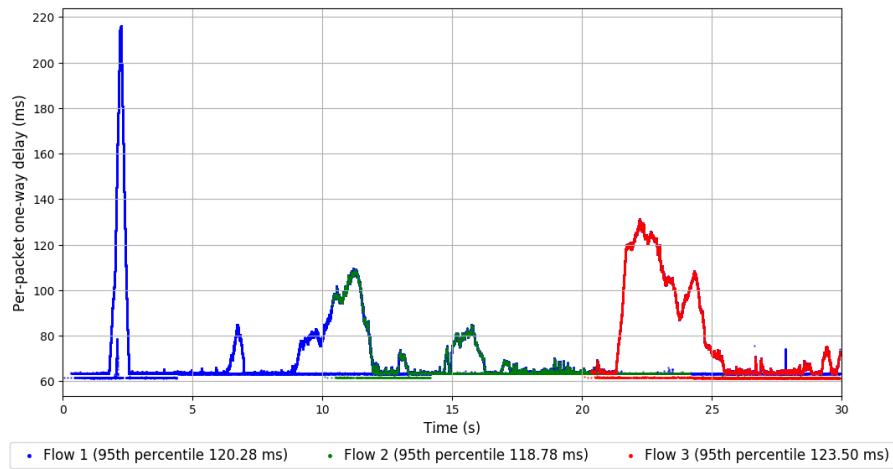
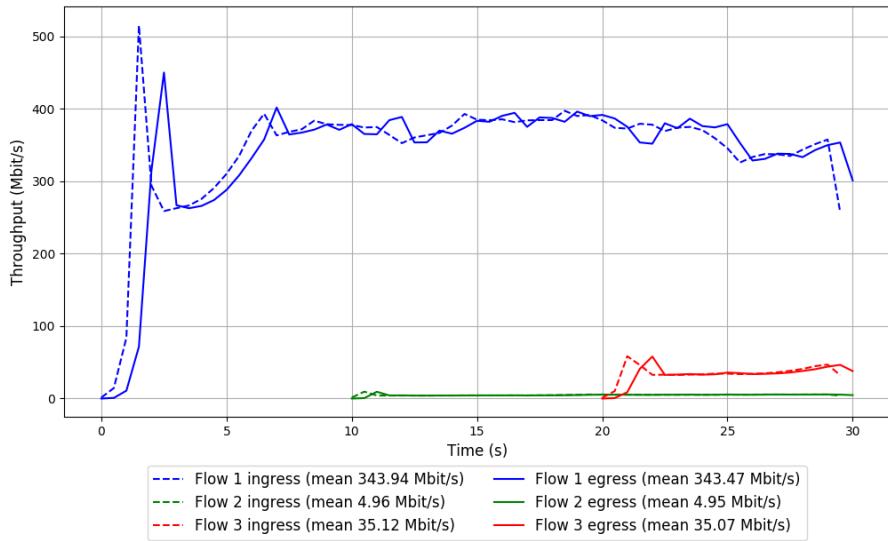


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-31 14:21:50
End at: 2018-05-31 14:22:20
Local clock offset: 0.003 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-31 15:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 358.32 Mbit/s
95th percentile per-packet one-way delay: 120.521 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 343.47 Mbit/s
95th percentile per-packet one-way delay: 120.285 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 118.775 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 123.505 ms
Loss rate: 0.10%
```

Run 10: Report of PCC-Allegro — Data Link

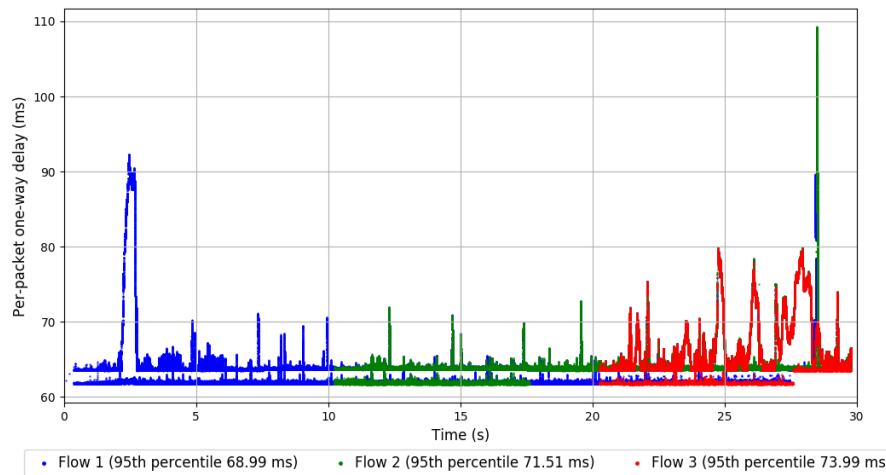
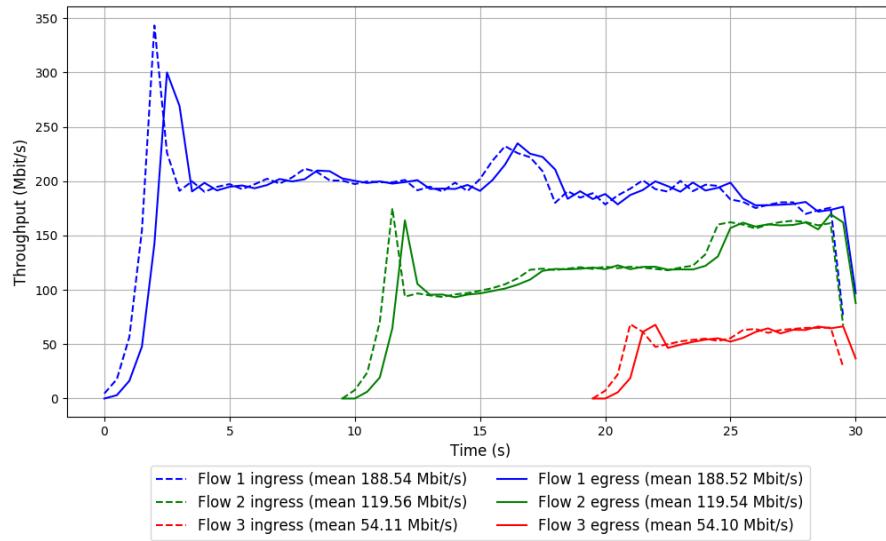


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-31 10:54:07
End at: 2018-05-31 10:54:37
Local clock offset: -0.441 ms
Remote clock offset: 0.189 ms

# Below is generated by plot.py at 2018-05-31 16:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 286.38 Mbit/s
95th percentile per-packet one-way delay: 69.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.52 Mbit/s
95th percentile per-packet one-way delay: 68.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.54 Mbit/s
95th percentile per-packet one-way delay: 71.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 73.994 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link

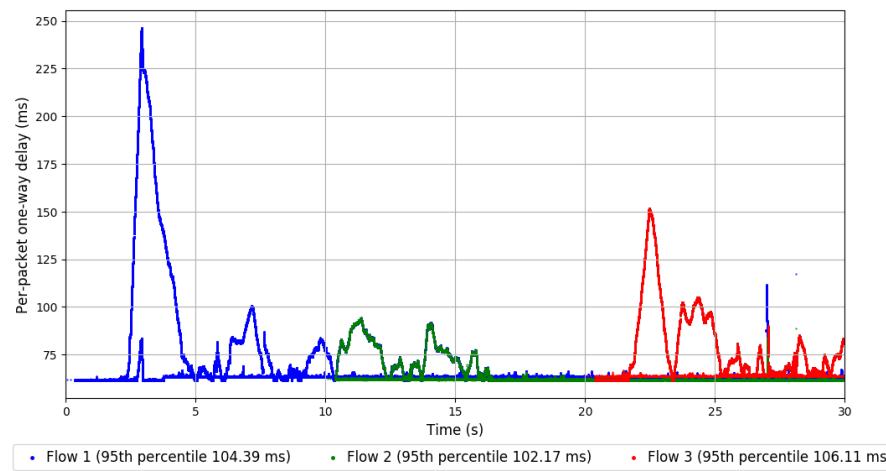
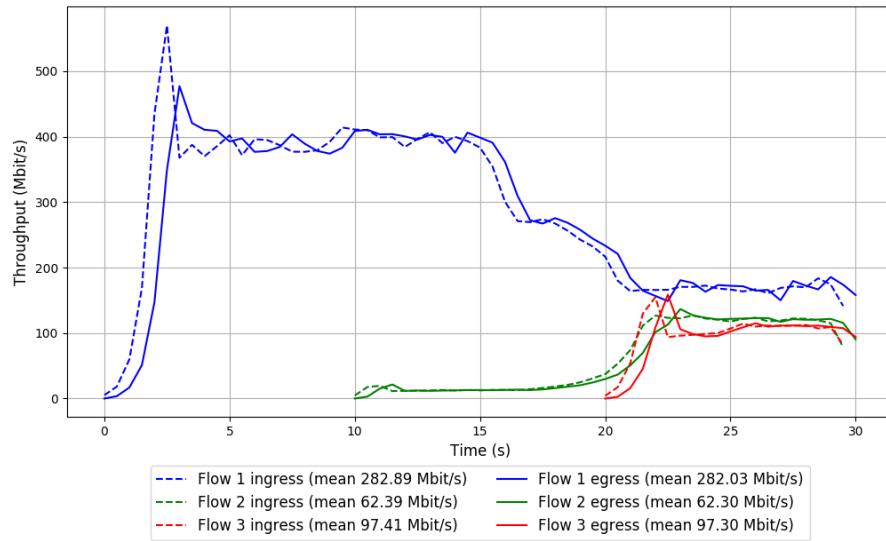


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-31 11:16:11
End at: 2018-05-31 11:16:41
Local clock offset: -0.578 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-31 16:05:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.55 Mbit/s
95th percentile per-packet one-way delay: 104.043 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 282.03 Mbit/s
95th percentile per-packet one-way delay: 104.386 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 102.168 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 106.107 ms
Loss rate: 0.19%
```

Run 2: Report of PCC-Expr — Data Link

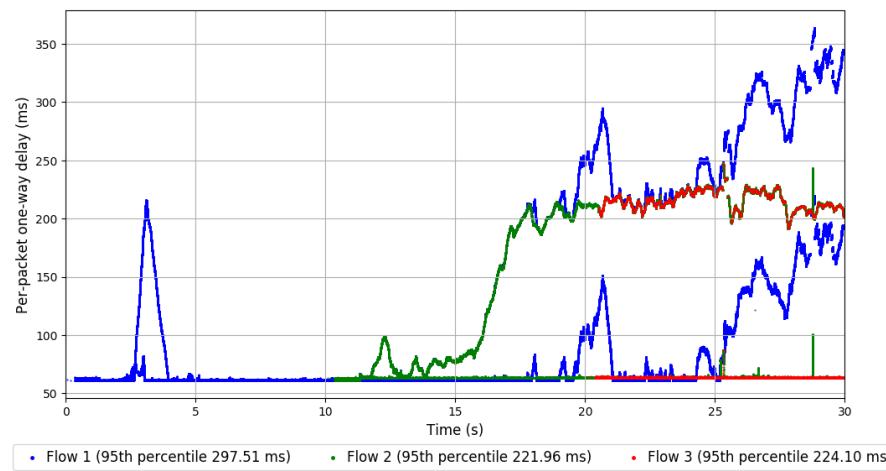
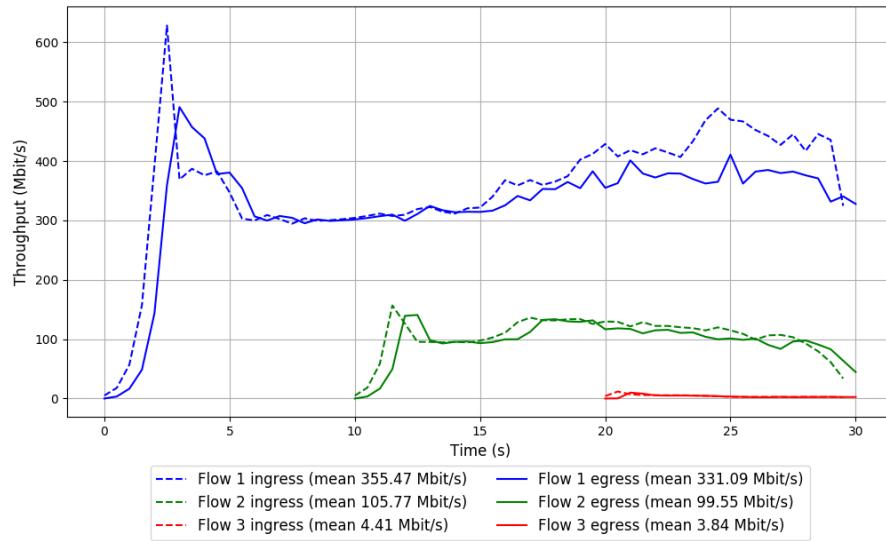


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-31 11:38:53
End at: 2018-05-31 11:39:23
Local clock offset: -0.027 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-05-31 16:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.56 Mbit/s
95th percentile per-packet one-way delay: 280.170 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 331.09 Mbit/s
95th percentile per-packet one-way delay: 297.515 ms
Loss rate: 6.85%
-- Flow 2:
Average throughput: 99.55 Mbit/s
95th percentile per-packet one-way delay: 221.959 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 224.098 ms
Loss rate: 12.76%
```

Run 3: Report of PCC-Expr — Data Link

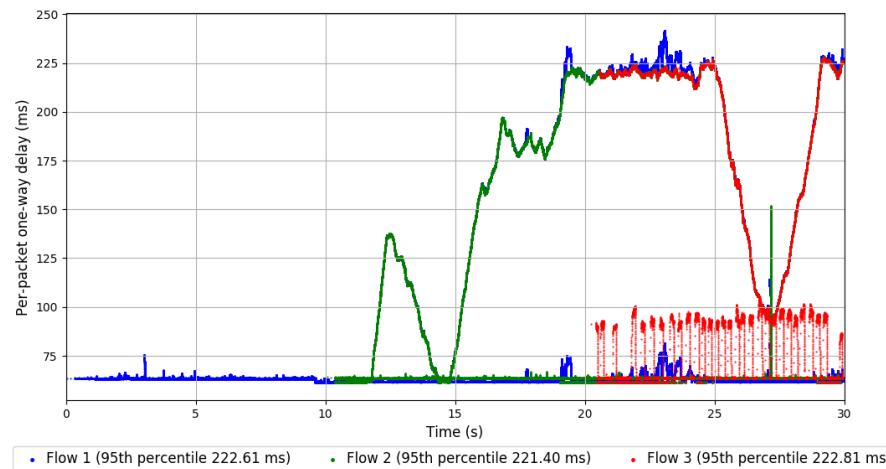
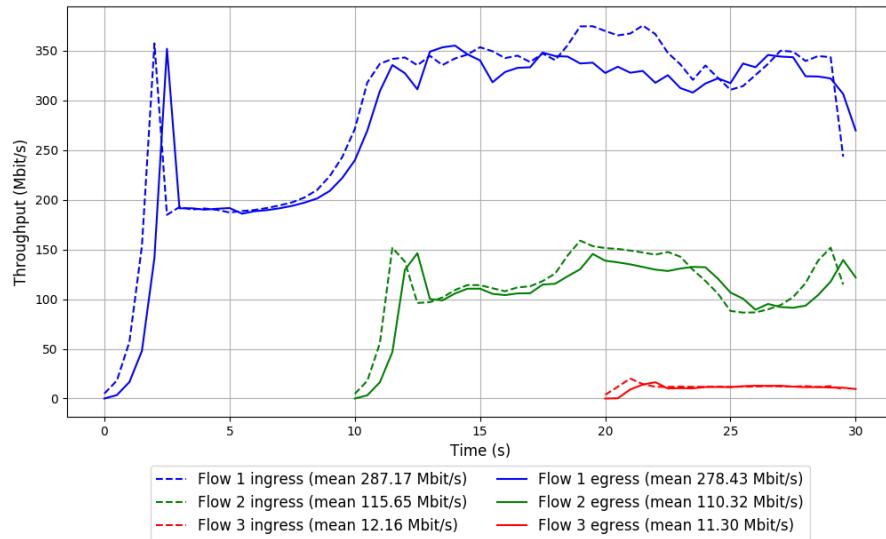


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-31 12:01:35
End at: 2018-05-31 12:02:05
Local clock offset: 0.119 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-05-31 16:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.51 Mbit/s
95th percentile per-packet one-way delay: 222.290 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 278.43 Mbit/s
95th percentile per-packet one-way delay: 222.610 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 110.32 Mbit/s
95th percentile per-packet one-way delay: 221.401 ms
Loss rate: 4.61%
-- Flow 3:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 222.812 ms
Loss rate: 7.06%
```

Run 4: Report of PCC-Expr — Data Link

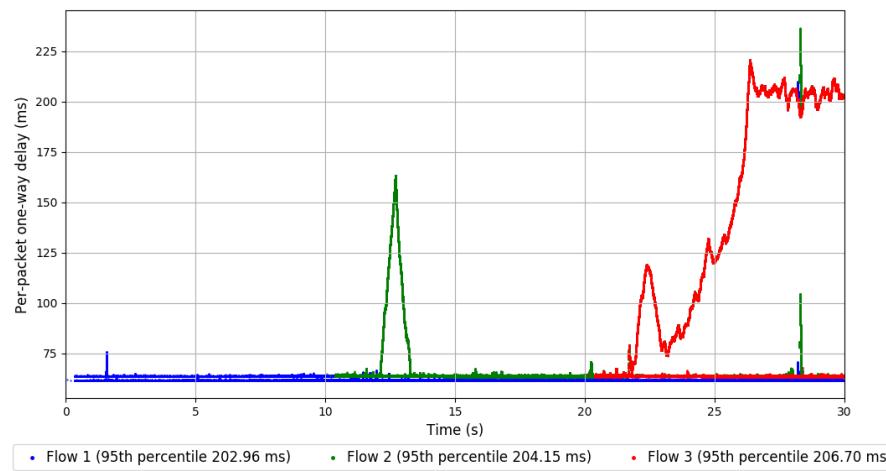
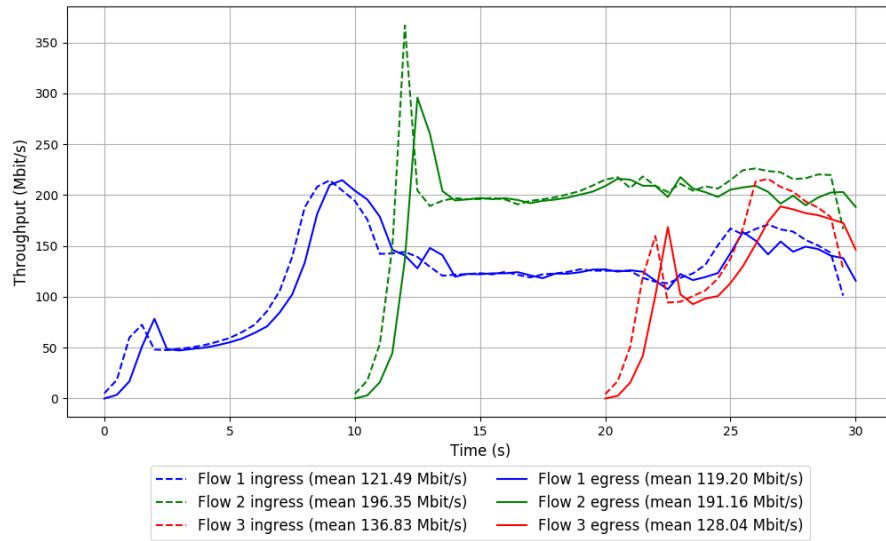


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-31 12:24:30
End at: 2018-05-31 12:25:00
Local clock offset: 0.117 ms
Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2018-05-31 16:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 288.56 Mbit/s
95th percentile per-packet one-way delay: 204.753 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 119.20 Mbit/s
95th percentile per-packet one-way delay: 202.960 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 191.16 Mbit/s
95th percentile per-packet one-way delay: 204.152 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 128.04 Mbit/s
95th percentile per-packet one-way delay: 206.703 ms
Loss rate: 6.43%
```

Run 5: Report of PCC-Expr — Data Link

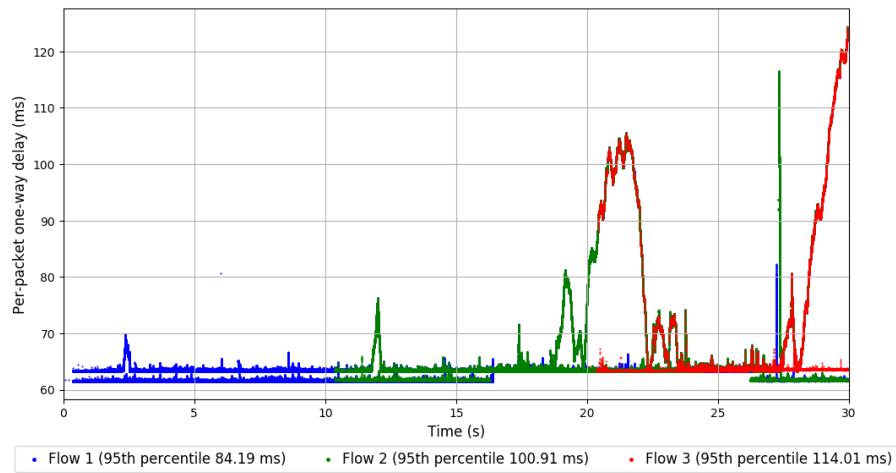
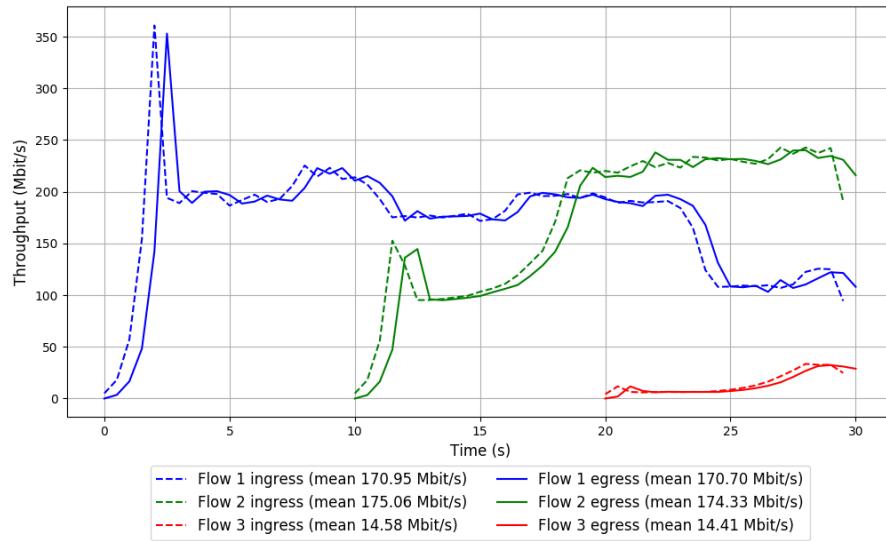


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-31 12:46:58
End at: 2018-05-31 12:47:28
Local clock offset: -0.044 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-05-31 16:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.39 Mbit/s
95th percentile per-packet one-way delay: 95.524 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 170.70 Mbit/s
95th percentile per-packet one-way delay: 84.193 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 174.33 Mbit/s
95th percentile per-packet one-way delay: 100.910 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 114.011 ms
Loss rate: 1.21%
```

Run 6: Report of PCC-Expr — Data Link

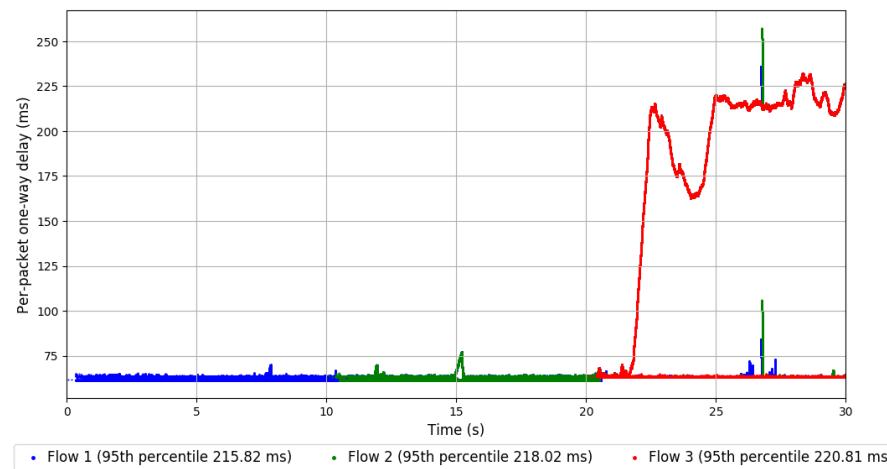
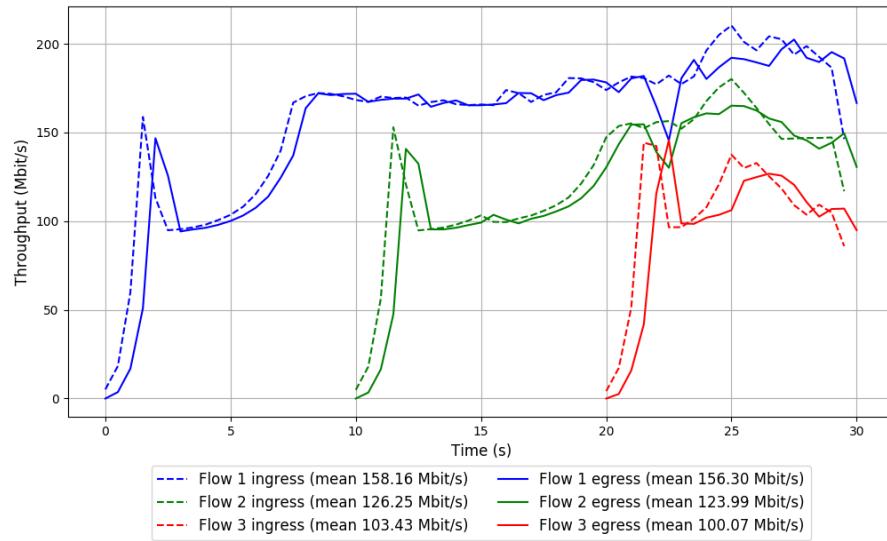


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-31 13:09:34
End at: 2018-05-31 13:10:04
Local clock offset: -0.044 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2018-05-31 16:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 271.76 Mbit/s
95th percentile per-packet one-way delay: 217.557 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 156.30 Mbit/s
95th percentile per-packet one-way delay: 215.816 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 123.99 Mbit/s
95th percentile per-packet one-way delay: 218.016 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 100.07 Mbit/s
95th percentile per-packet one-way delay: 220.812 ms
Loss rate: 3.24%
```

Run 7: Report of PCC-Expr — Data Link

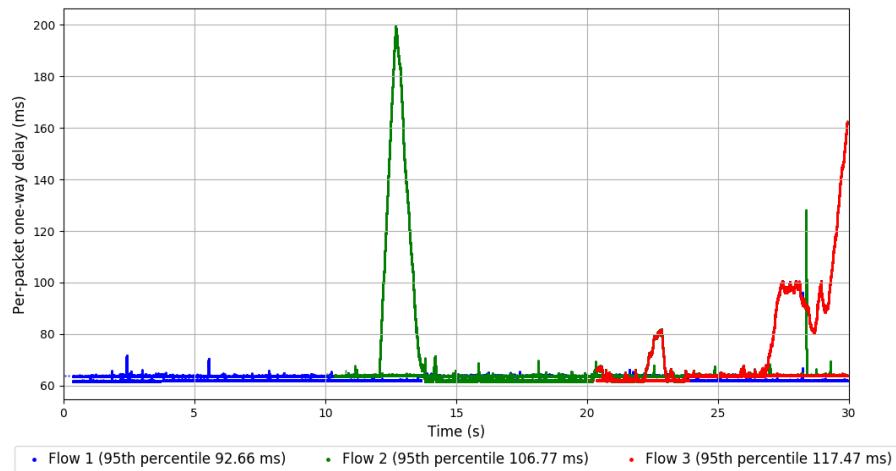
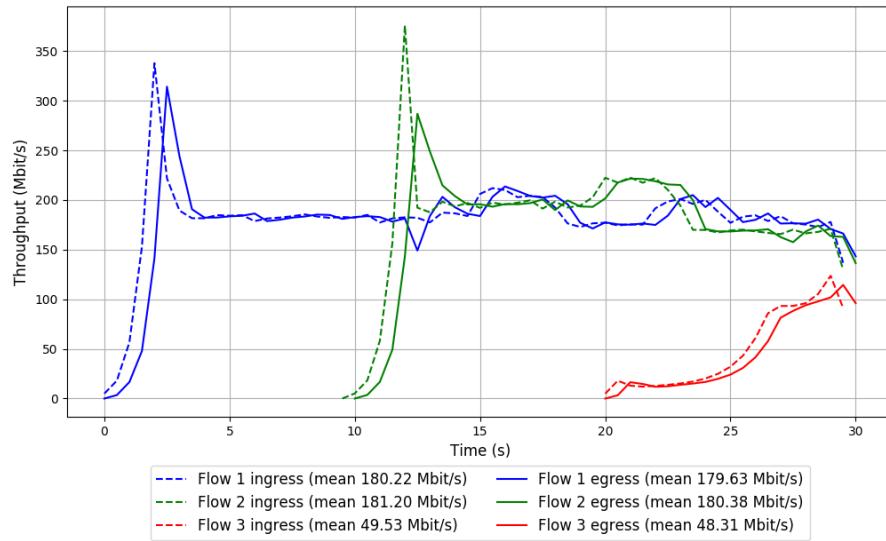


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-31 13:32:11
End at: 2018-05-31 13:32:41
Local clock offset: -0.013 ms
Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2018-05-31 16:10:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 315.60 Mbit/s
95th percentile per-packet one-way delay: 98.455 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 179.63 Mbit/s
95th percentile per-packet one-way delay: 92.664 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 180.38 Mbit/s
95th percentile per-packet one-way delay: 106.772 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 117.466 ms
Loss rate: 2.46%
```

Run 8: Report of PCC-Expr — Data Link

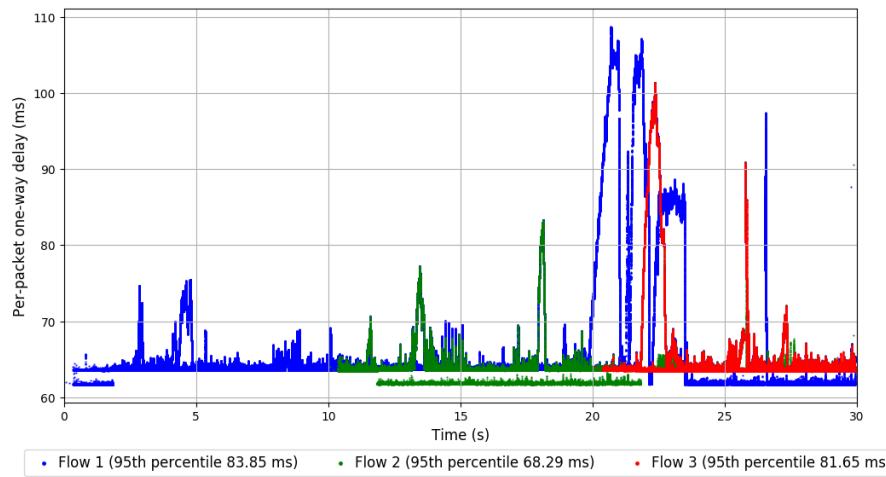
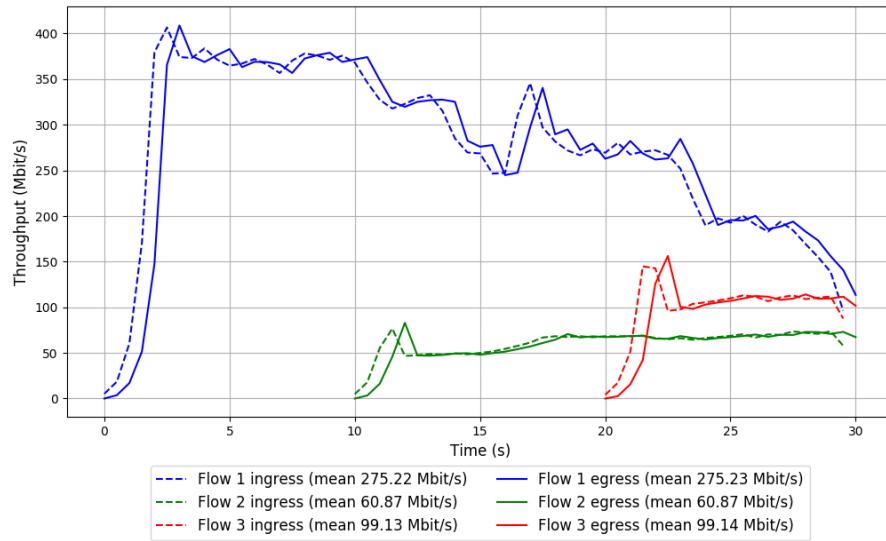


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-31 13:54:53
End at: 2018-05-31 13:55:23
Local clock offset: -0.002 ms
Remote clock offset: 0.176 ms

# Below is generated by plot.py at 2018-05-31 16:14:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.38 Mbit/s
95th percentile per-packet one-way delay: 81.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 275.23 Mbit/s
95th percentile per-packet one-way delay: 83.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.87 Mbit/s
95th percentile per-packet one-way delay: 68.292 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 99.14 Mbit/s
95th percentile per-packet one-way delay: 81.650 ms
Loss rate: 0.02%
```

Run 9: Report of PCC-Expr — Data Link

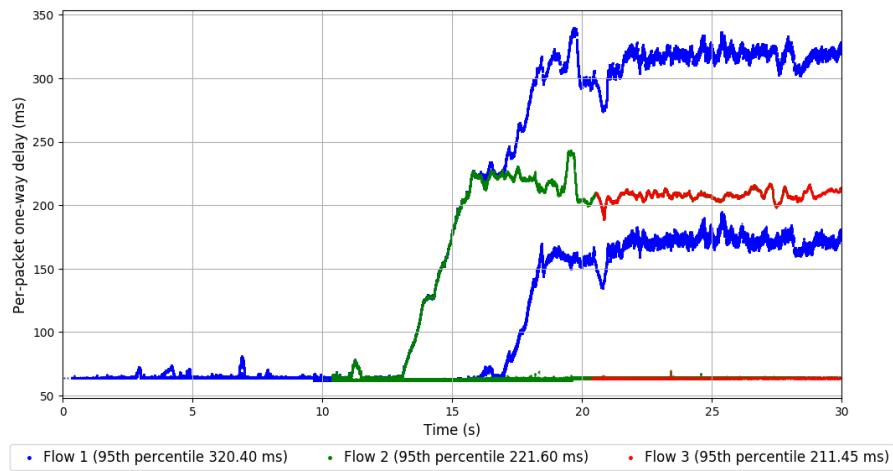
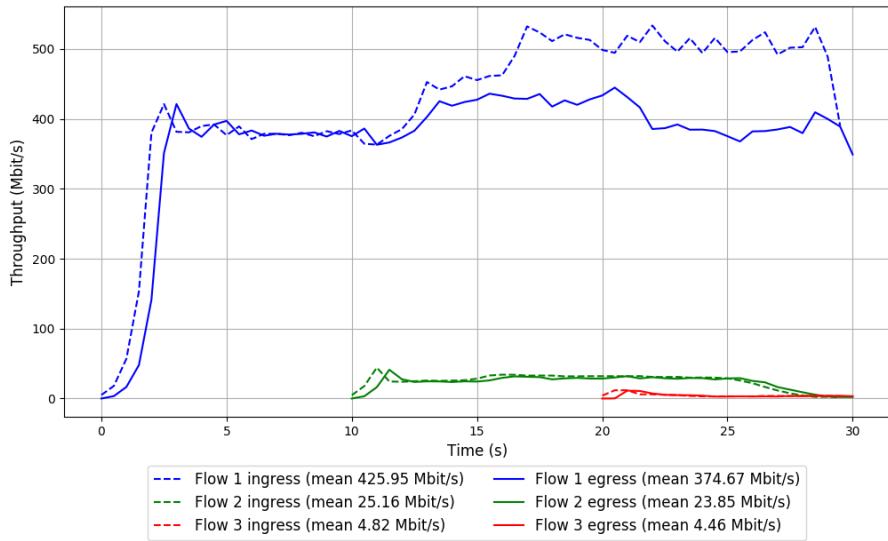


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-31 14:17:35
End at: 2018-05-31 14:18:05
Local clock offset: -0.012 ms
Remote clock offset: 0.199 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.00 Mbit/s
95th percentile per-packet one-way delay: 320.216 ms
Loss rate: 11.77%
-- Flow 1:
Average throughput: 374.67 Mbit/s
95th percentile per-packet one-way delay: 320.399 ms
Loss rate: 12.04%
-- Flow 2:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 221.600 ms
Loss rate: 5.24%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 211.448 ms
Loss rate: 7.55%
```

Run 10: Report of PCC-Expr — Data Link

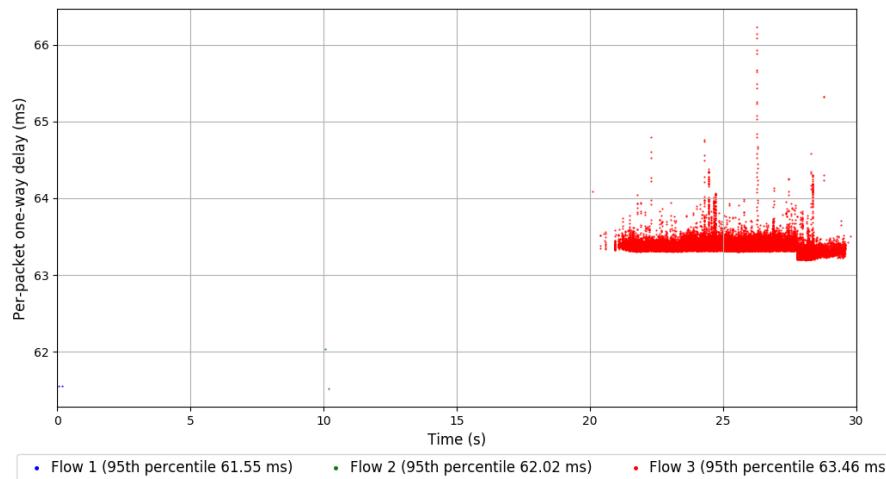
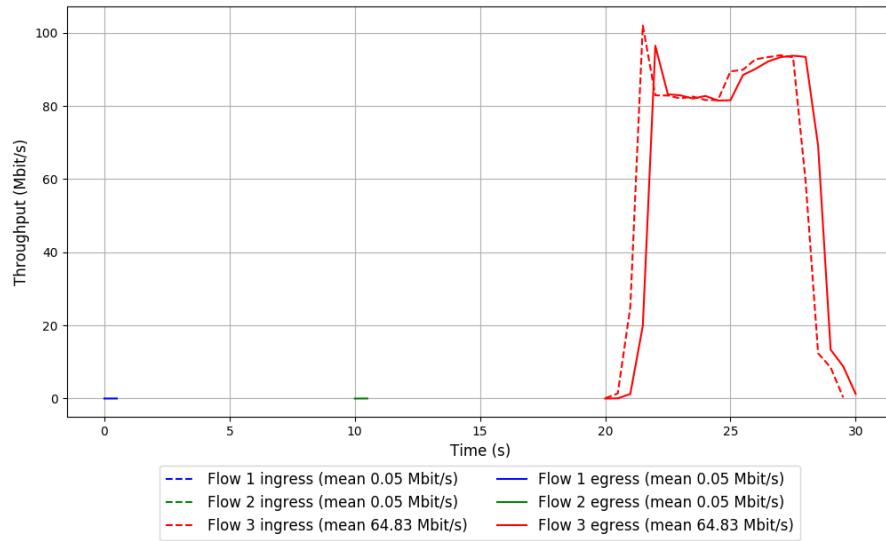


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-31 11:08:27
End at: 2018-05-31 11:08:57
Local clock offset: -0.561 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.551 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

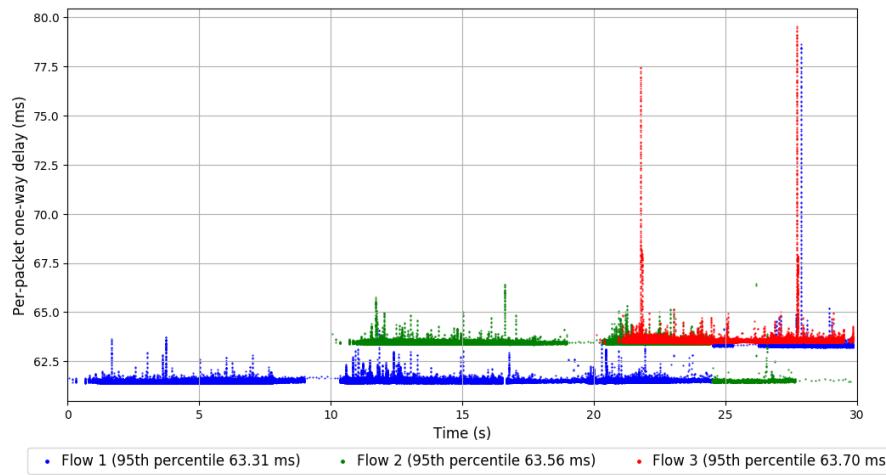
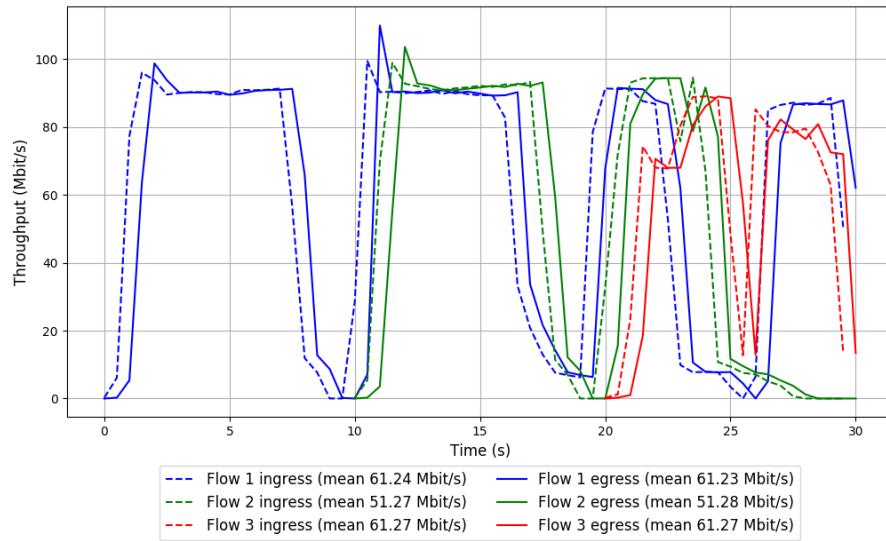


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-31 11:31:00
End at: 2018-05-31 11:31:30
Local clock offset: -0.18 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.17 Mbit/s
95th percentile per-packet one-way delay: 63.580 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 63.306 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 63.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 63.695 ms
Loss rate: 0.02%
```

Run 2: Report of QUIC Cubic — Data Link

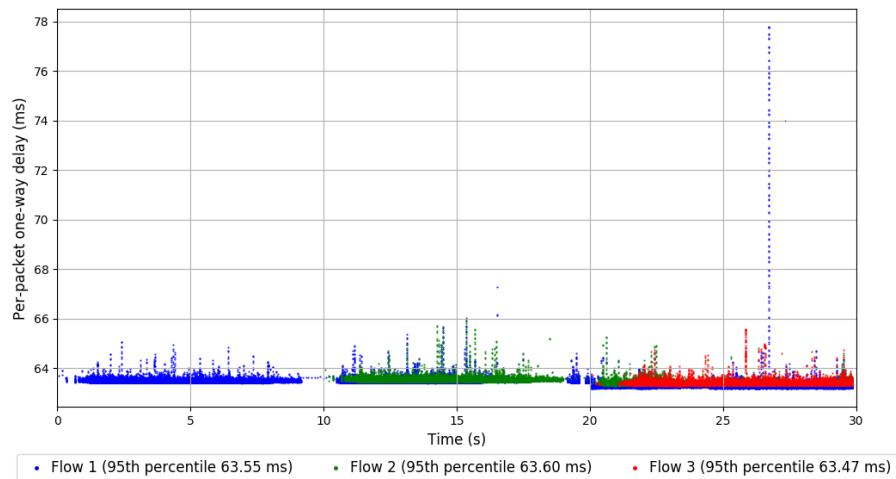
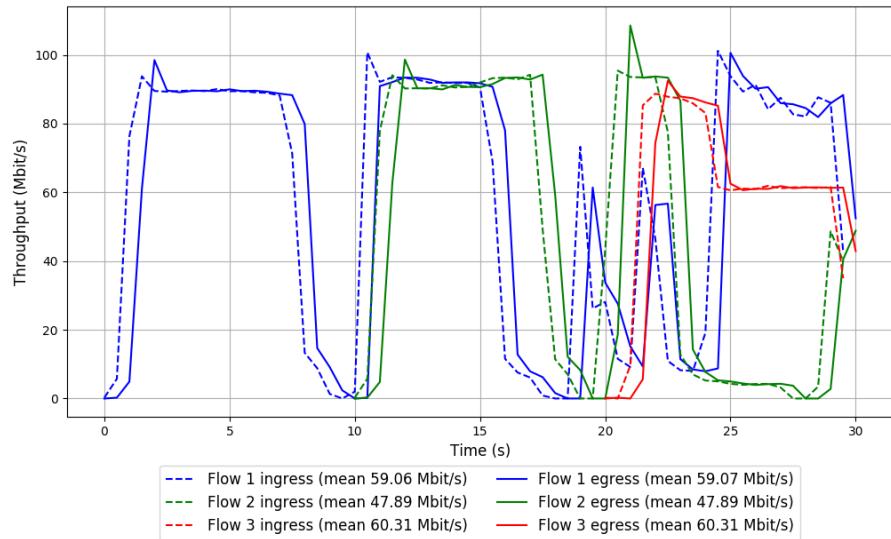


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-31 11:53:44
End at: 2018-05-31 11:54:14
Local clock offset: 0.131 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.61 Mbit/s
95th percentile per-packet one-way delay: 63.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 63.545 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.89 Mbit/s
95th percentile per-packet one-way delay: 63.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 63.469 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

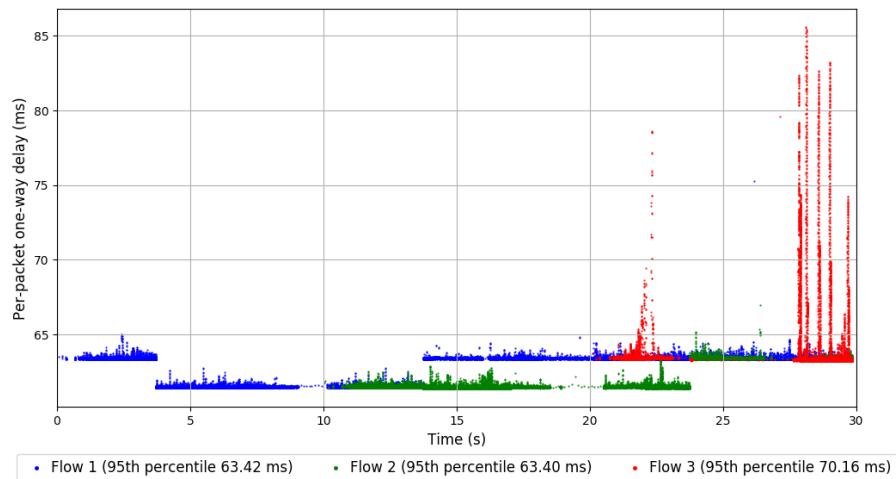
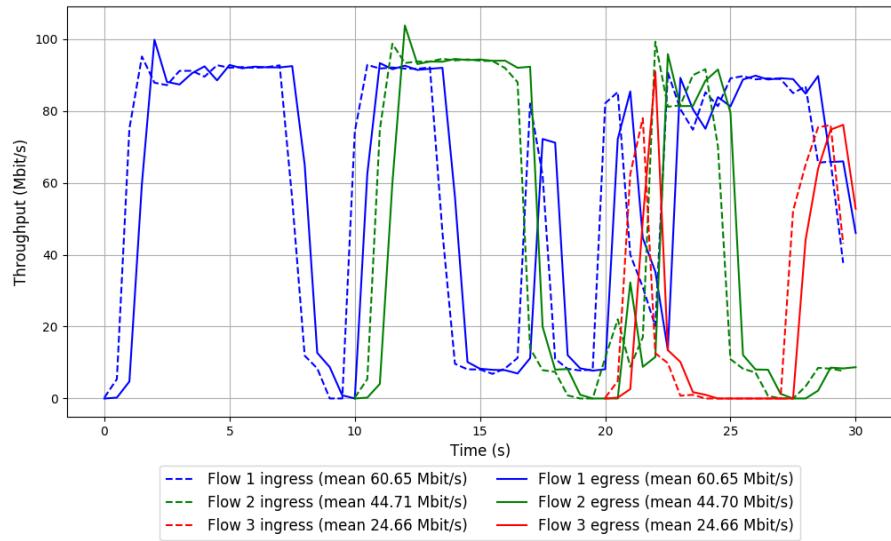


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-31 12:16:41
End at: 2018-05-31 12:17:11
Local clock offset: 0.004 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.42 Mbit/s
95th percentile per-packet one-way delay: 63.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.65 Mbit/s
95th percentile per-packet one-way delay: 63.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 63.397 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 70.158 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

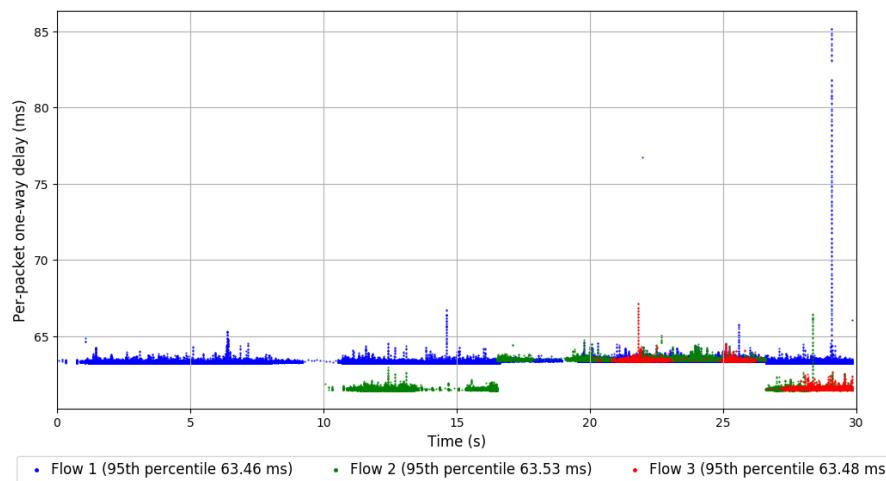
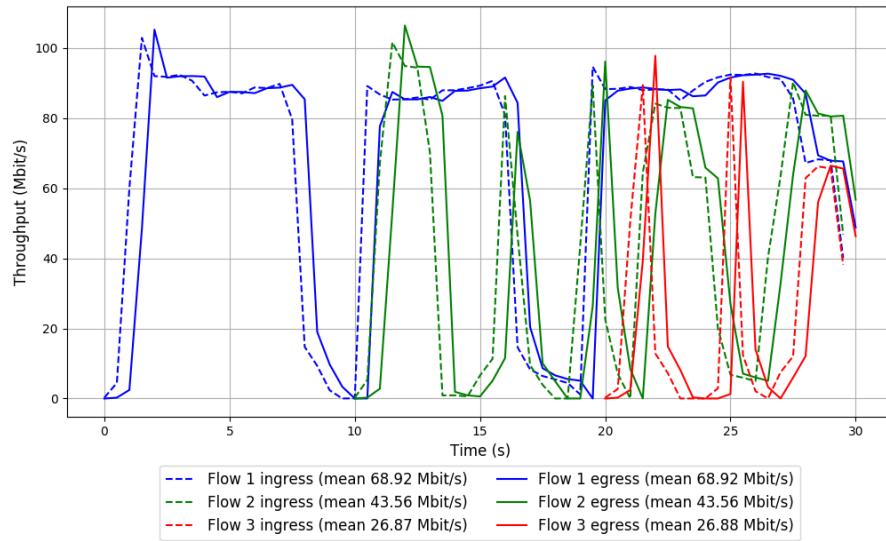


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-31 12:39:18
End at: 2018-05-31 12:39:48
Local clock offset: -0.011 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.64 Mbit/s
95th percentile per-packet one-way delay: 63.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 63.463 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 63.484 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

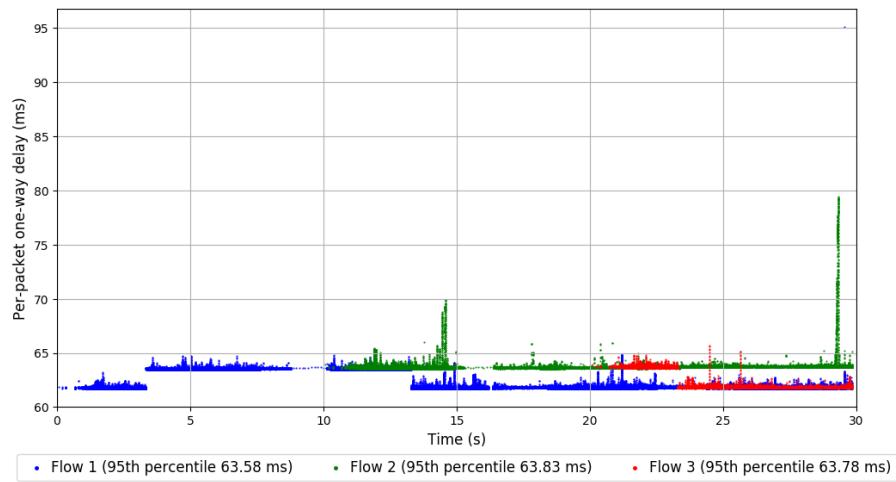
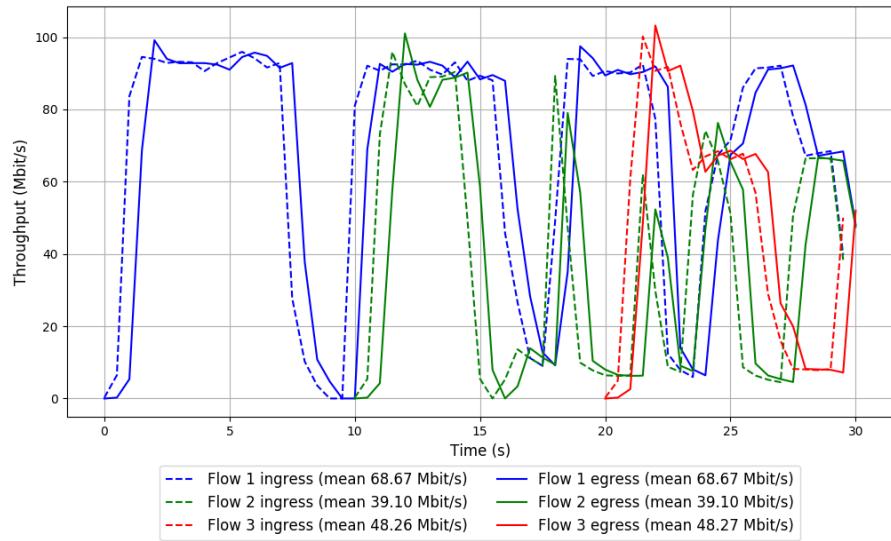


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-31 13:01:41
End at: 2018-05-31 13:02:11
Local clock offset: -0.057 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 110.42 Mbit/s
95th percentile per-packet one-way delay: 63.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 63.583 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 63.833 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 63.778 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

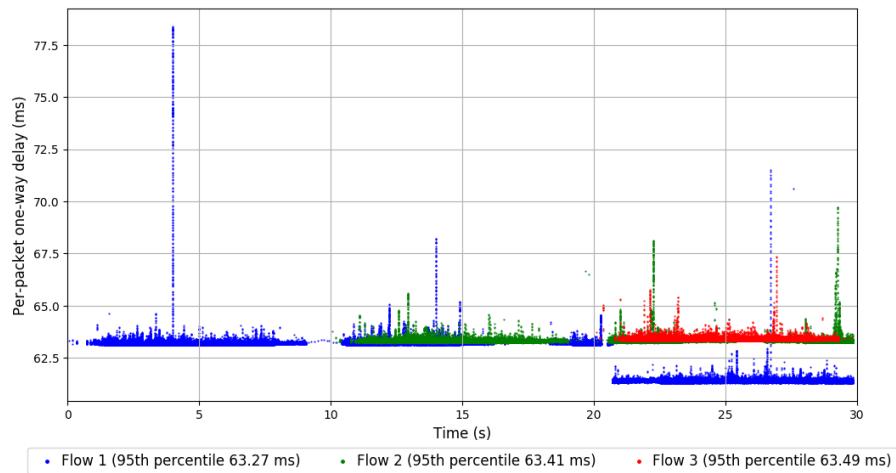
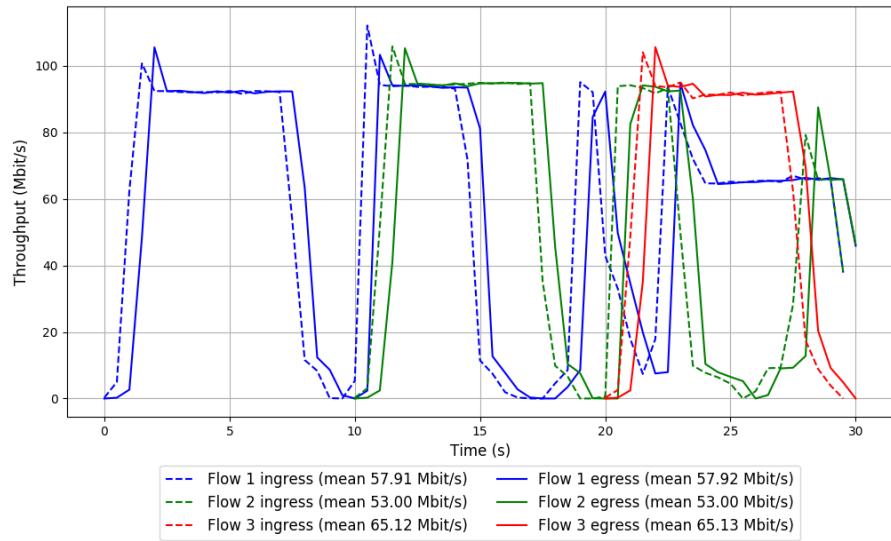


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-31 13:24:14
End at: 2018-05-31 13:24:44
Local clock offset: -0.004 ms
Remote clock offset: -0.196 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 114.29 Mbit/s
95th percentile per-packet one-way delay: 63.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 63.275 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 63.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 63.494 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

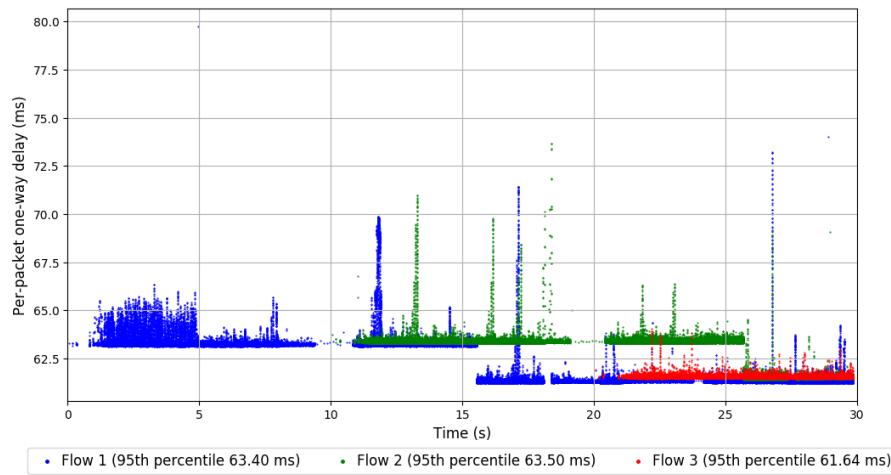
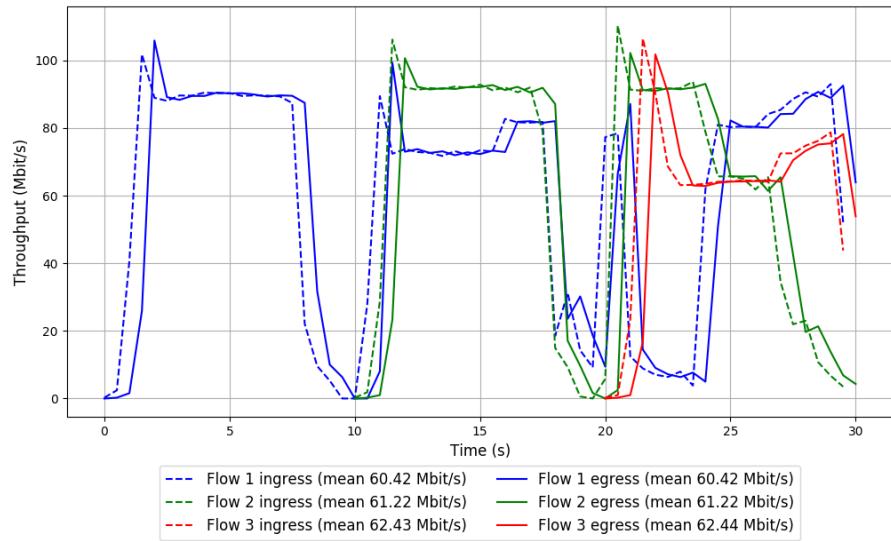


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-31 13:46:59
End at: 2018-05-31 13:47:29
Local clock offset: -0.004 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.56 Mbit/s
95th percentile per-packet one-way delay: 63.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 63.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 63.504 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 61.637 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

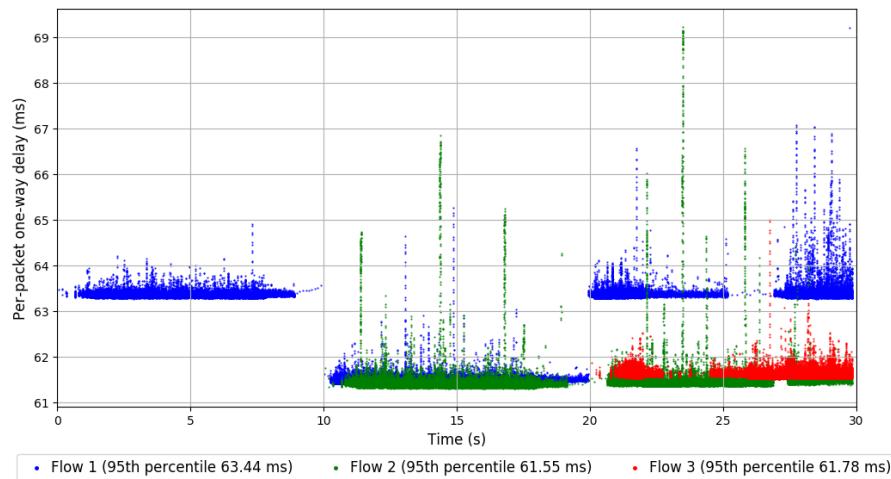
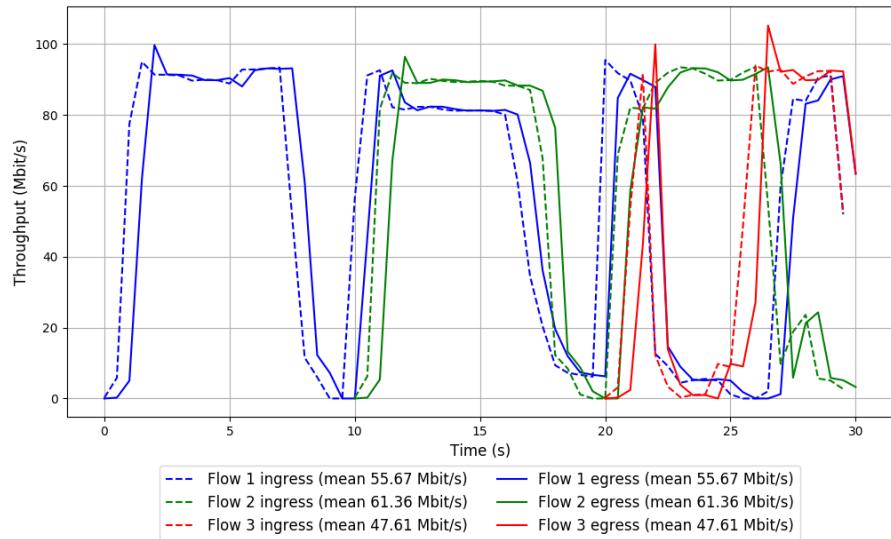


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-31 14:09:45
End at: 2018-05-31 14:10:15
Local clock offset: 0.04 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.01 Mbit/s
95th percentile per-packet one-way delay: 63.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 63.437 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 61.553 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 61.779 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

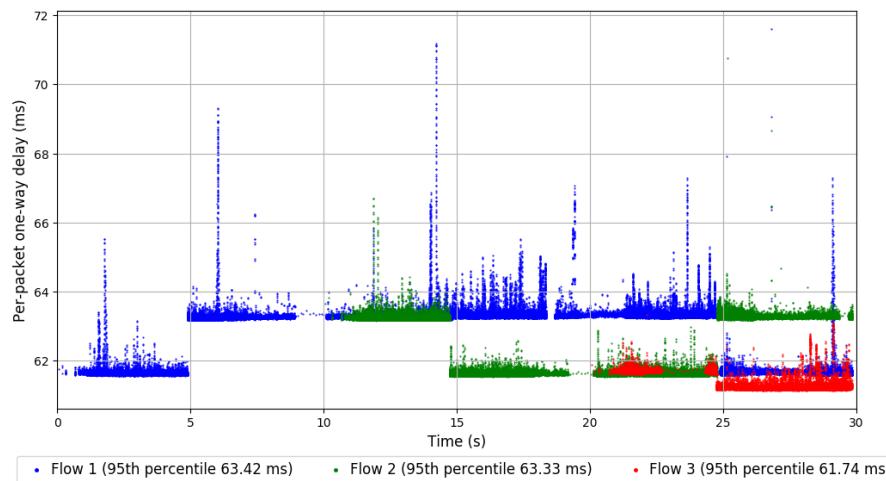
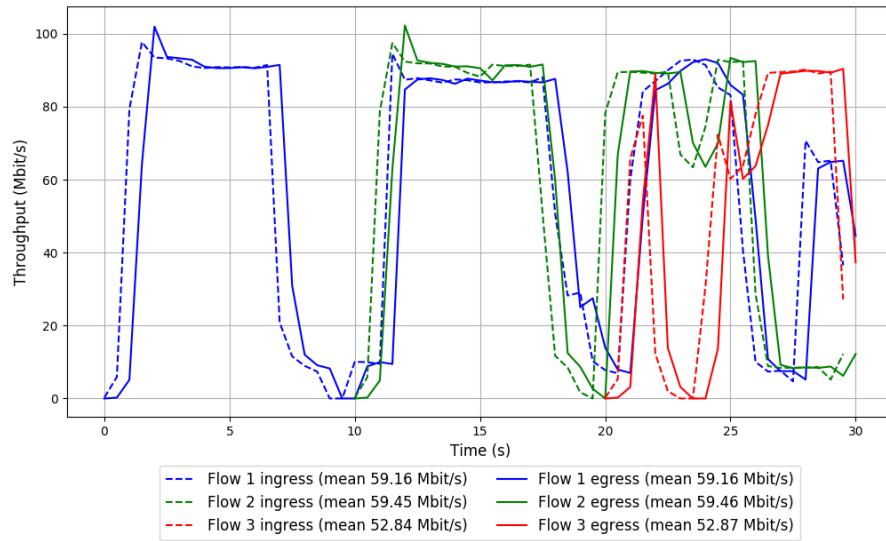


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-31 14:32:30
End at: 2018-05-31 14:33:00
Local clock offset: -0.033 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.98 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 63.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 63.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 61.743 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

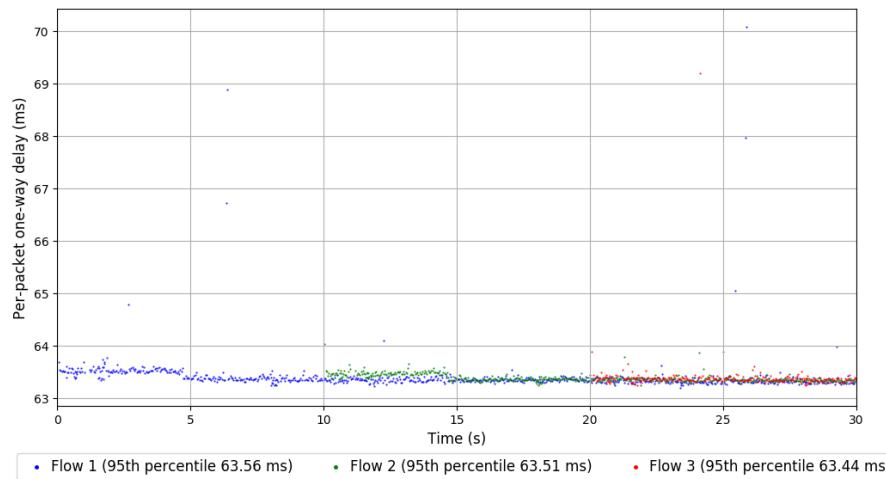
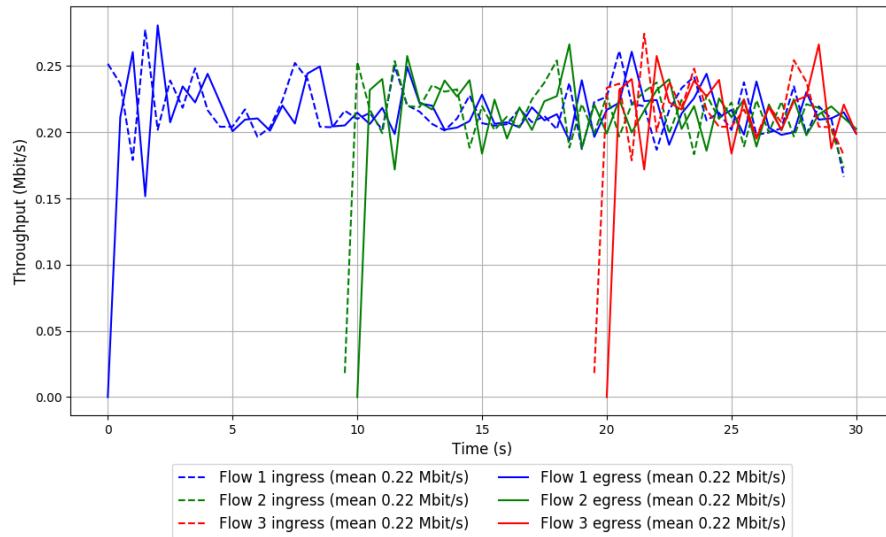


```
Run 1: Statistics of SCReAM

Start at: 2018-05-31 10:55:40
End at: 2018-05-31 10:56:10
Local clock offset: -0.426 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.558 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.443 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

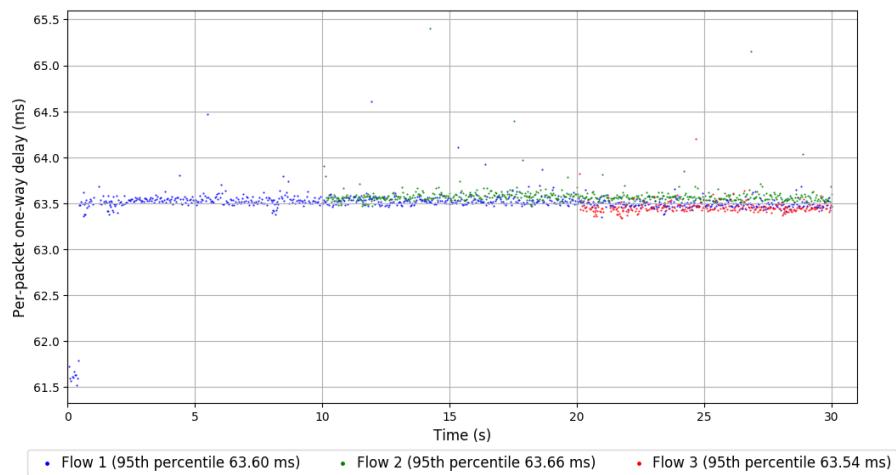
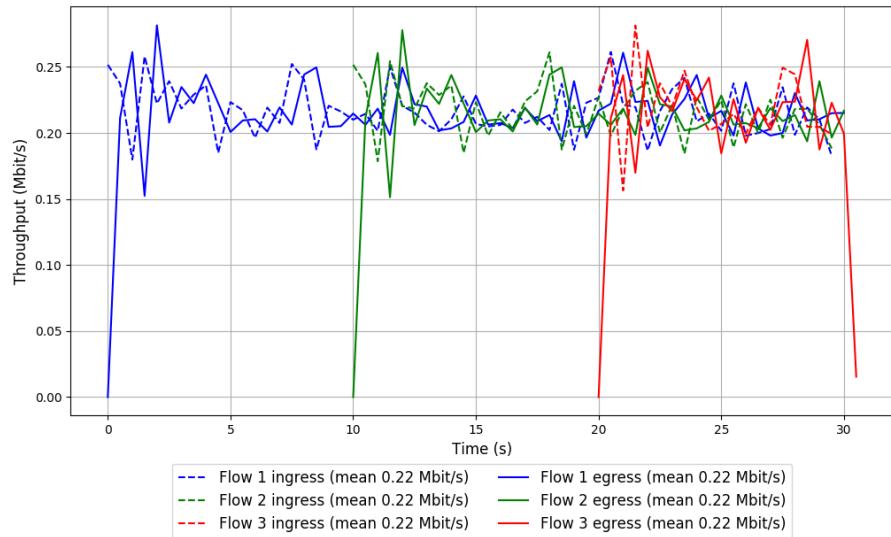


Run 2: Statistics of SCReAM

```
Start at: 2018-05-31 11:17:44
End at: 2018-05-31 11:18:14
Local clock offset: -0.575 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.538 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

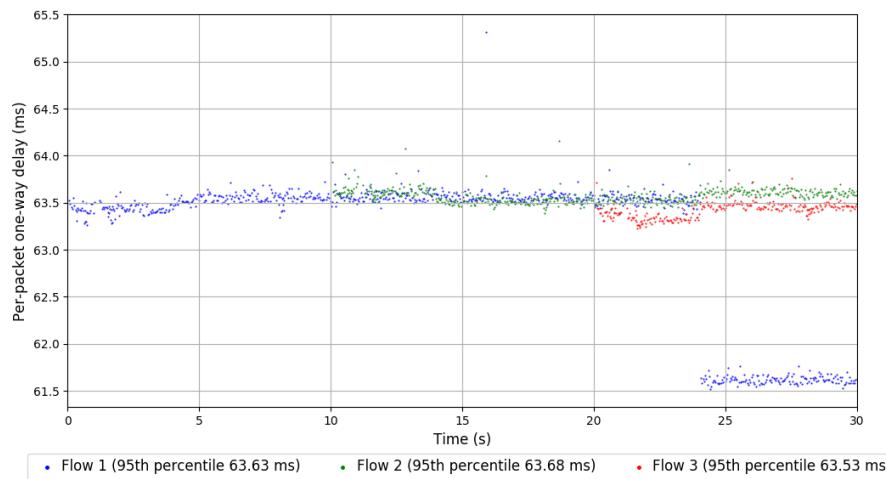
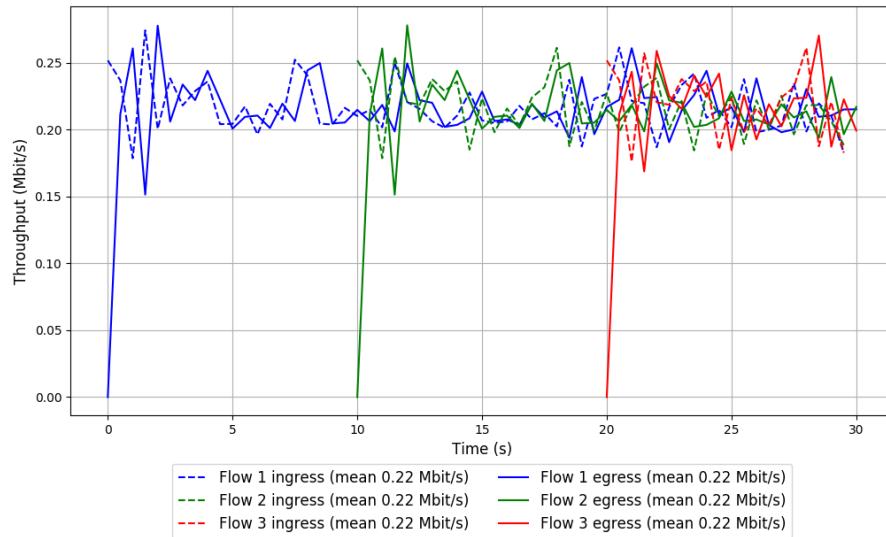


Run 3: Statistics of SCReAM

```
Start at: 2018-05-31 11:40:31
End at: 2018-05-31 11:41:01
Local clock offset: -0.006 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.526 ms
Loss rate: 0.35%
```

Run 3: Report of SCReAM — Data Link

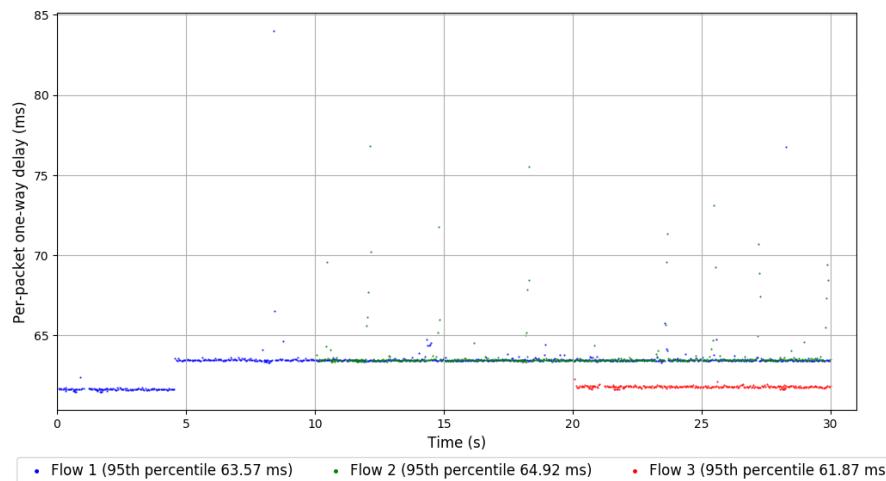
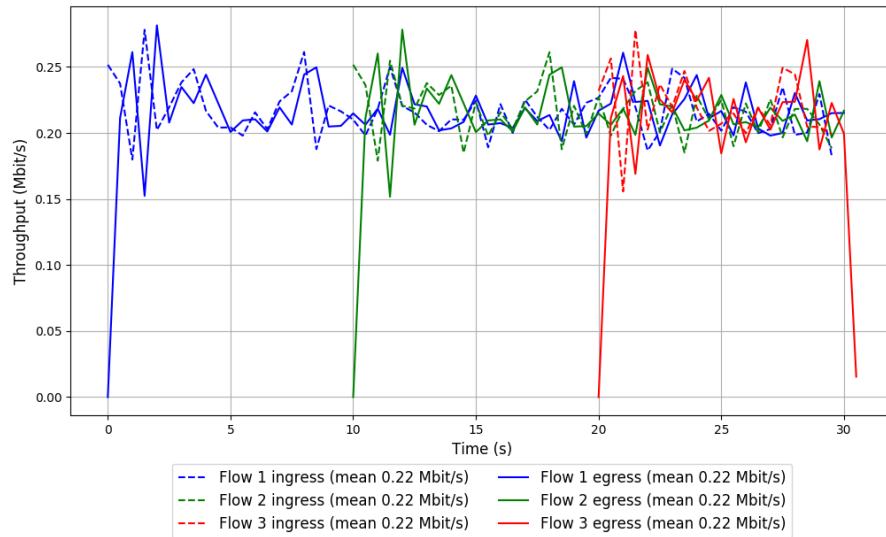


Run 4: Statistics of SCReAM

```
Start at: 2018-05-31 12:03:10
End at: 2018-05-31 12:03:40
Local clock offset: 0.095 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.866 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

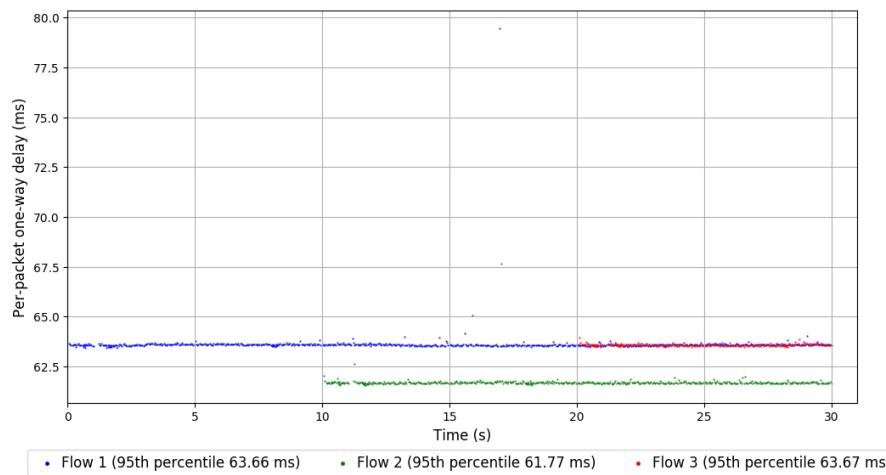
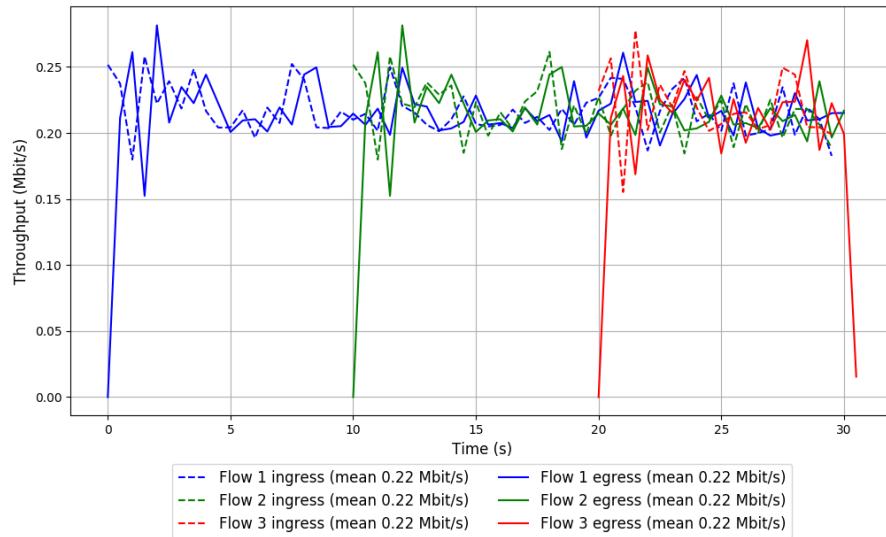


Run 5: Statistics of SCReAM

```
Start at: 2018-05-31 12:26:02
End at: 2018-05-31 12:26:32
Local clock offset: 0.063 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.772 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.671 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

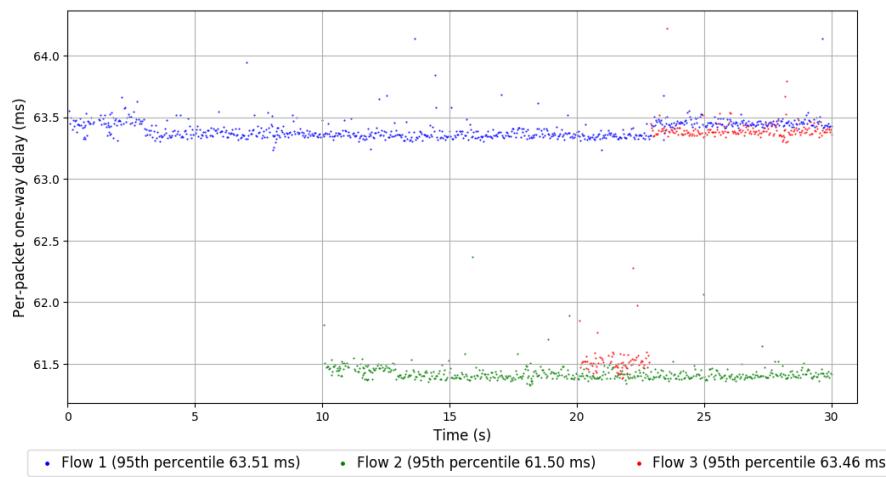
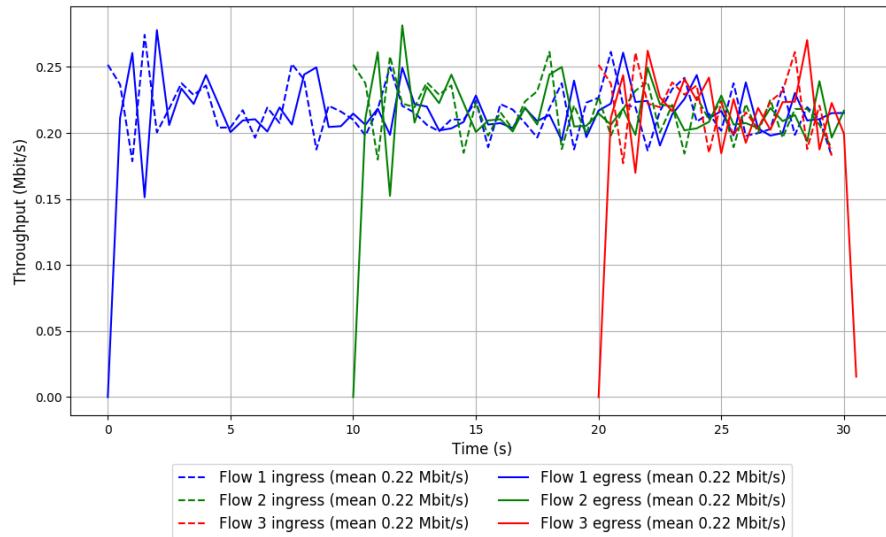


Run 6: Statistics of SCReAM

```
Start at: 2018-05-31 12:48:32
End at: 2018-05-31 12:49:02
Local clock offset: -0.047 ms
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.506 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

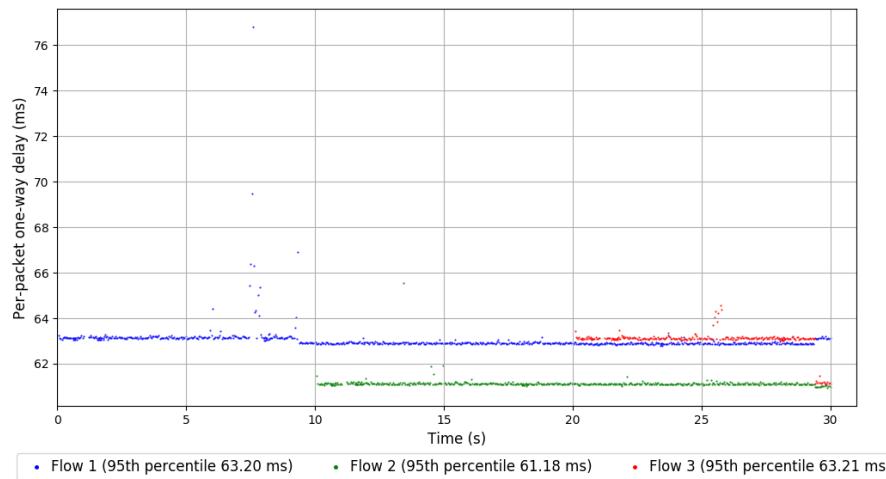
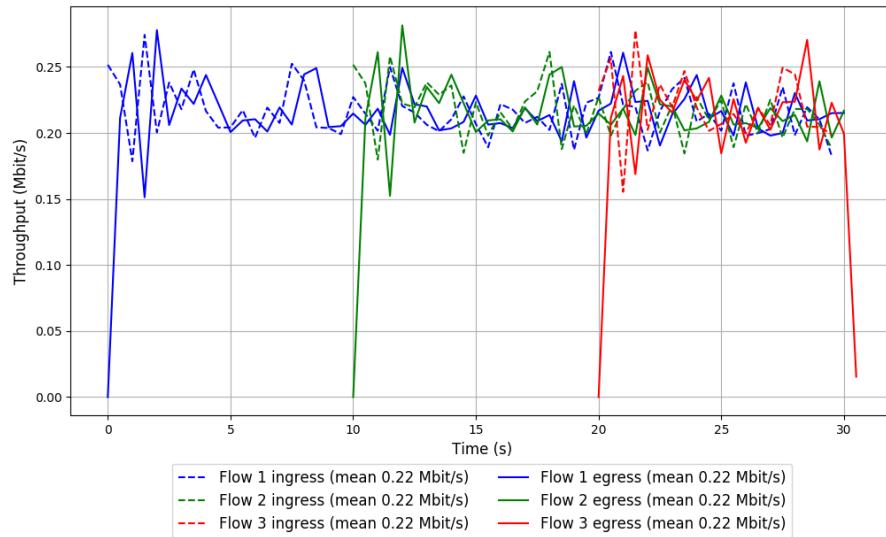


Run 7: Statistics of SCReAM

```
Start at: 2018-05-31 13:11:05
End at: 2018-05-31 13:11:35
Local clock offset: -0.013 ms
Remote clock offset: -0.462 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.206 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

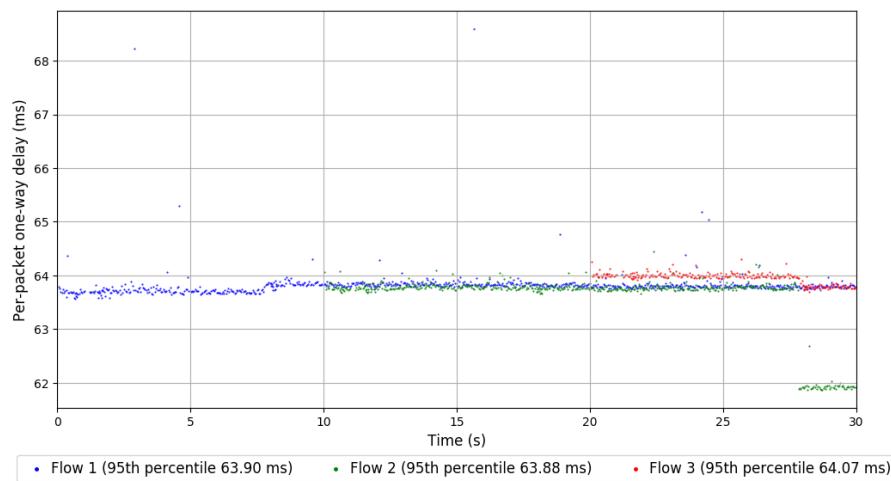
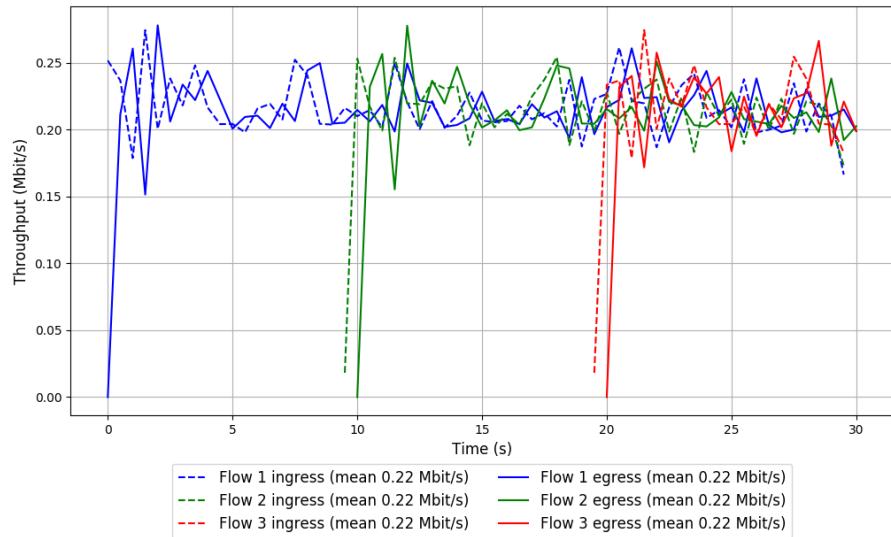


Run 8: Statistics of SCReAM

```
Start at: 2018-05-31 13:33:47
End at: 2018-05-31 13:34:17
Local clock offset: -0.017 ms
Remote clock offset: 0.361 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 64.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.899 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.881 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.073 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

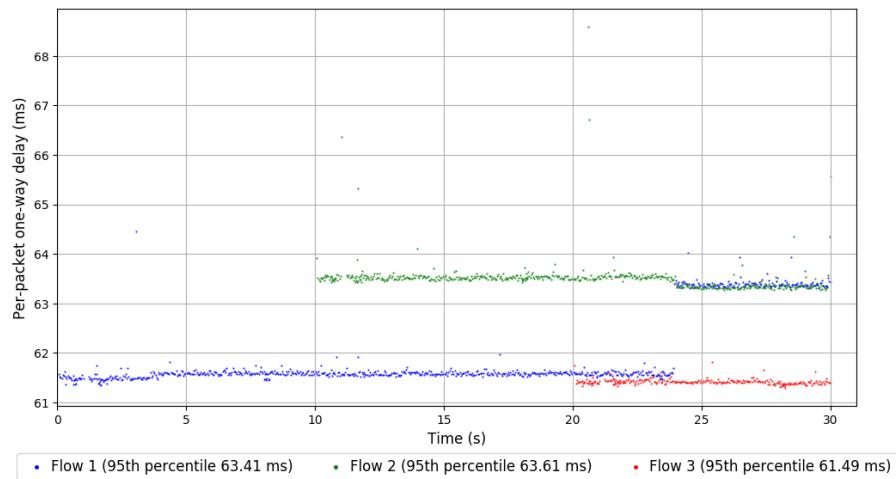
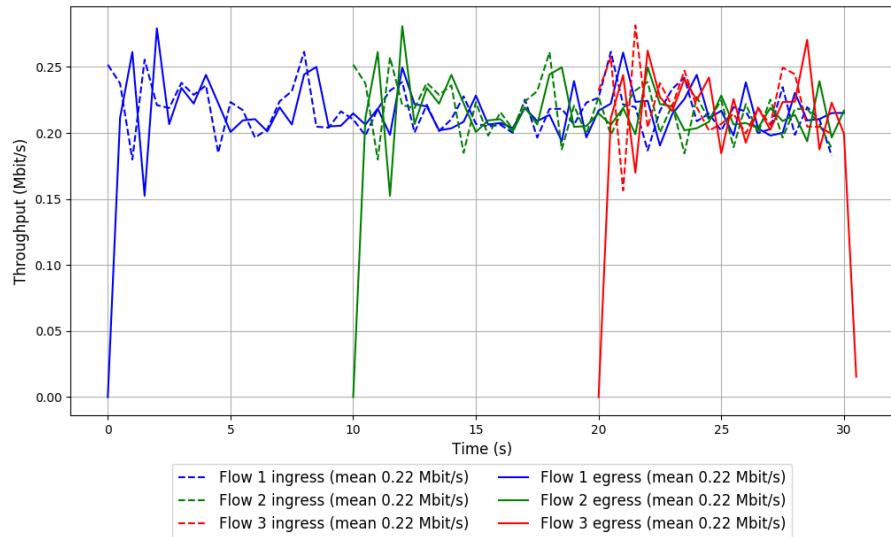


Run 9: Statistics of SCReAM

```
Start at: 2018-05-31 13:56:31
End at: 2018-05-31 13:57:01
Local clock offset: 0.017 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.612 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

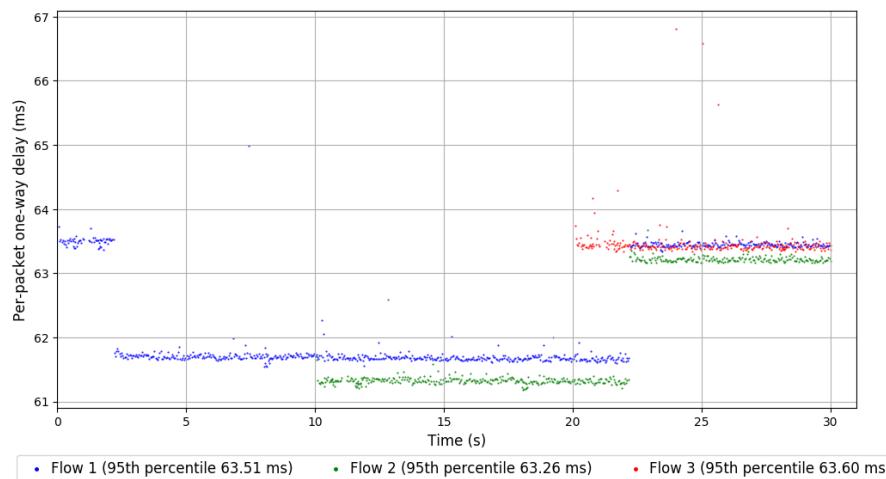
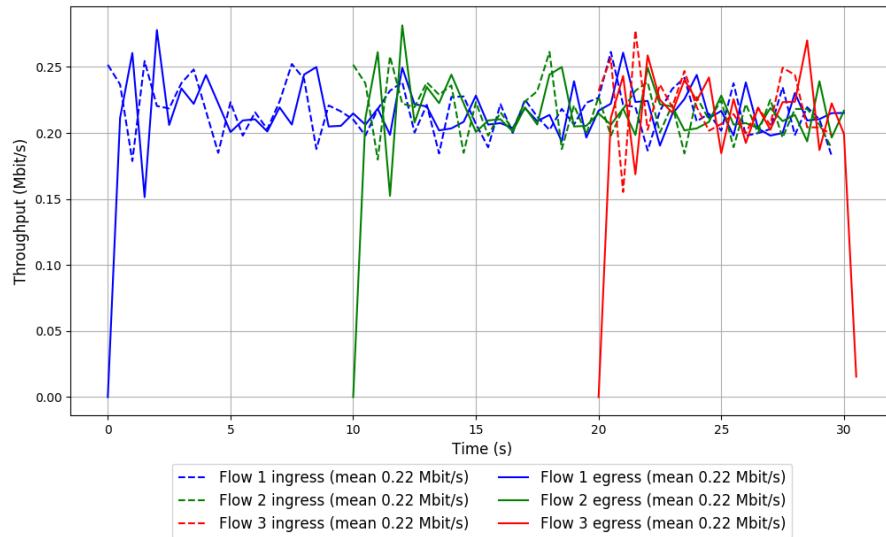


Run 10: Statistics of SCReAM

```
Start at: 2018-05-31 14:19:12
End at: 2018-05-31 14:19:42
Local clock offset: -0.031 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.512 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.597 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

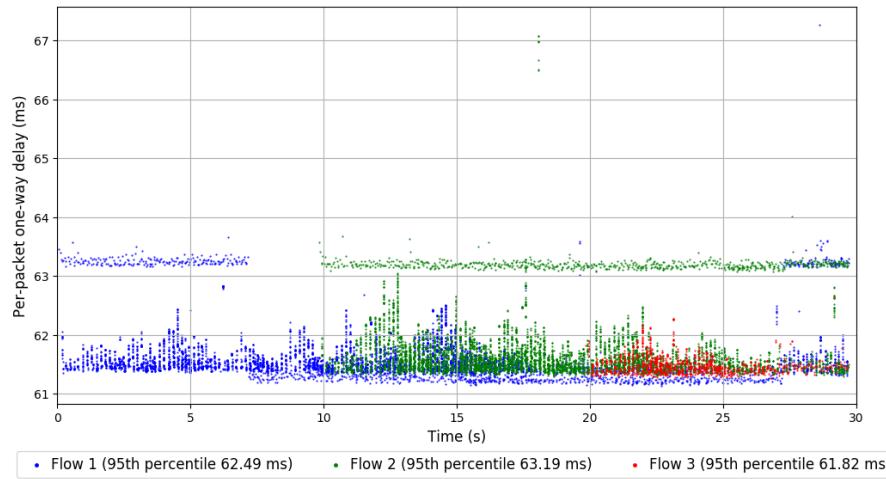
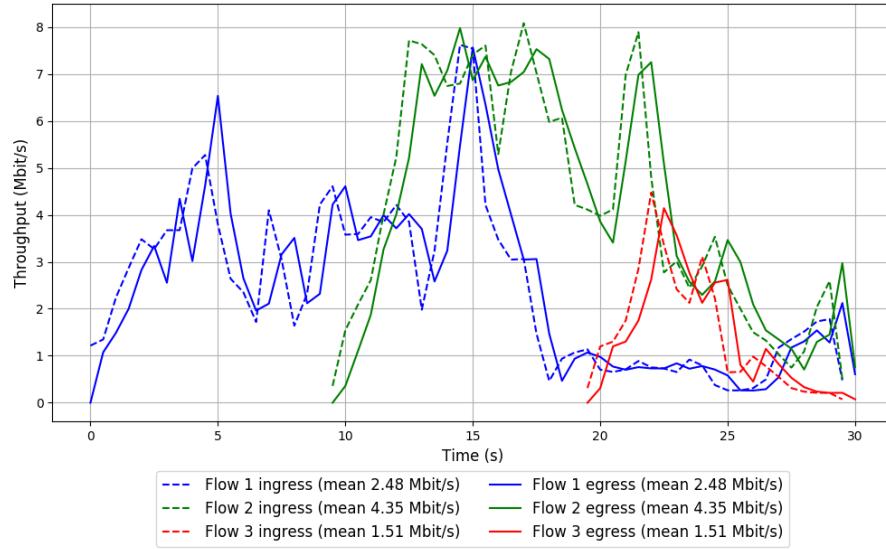


Run 1: Statistics of Sprout

```
Start at: 2018-05-31 11:09:37
End at: 2018-05-31 11:10:07
Local clock offset: -0.556 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 63.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 62.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 63.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 61.822 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

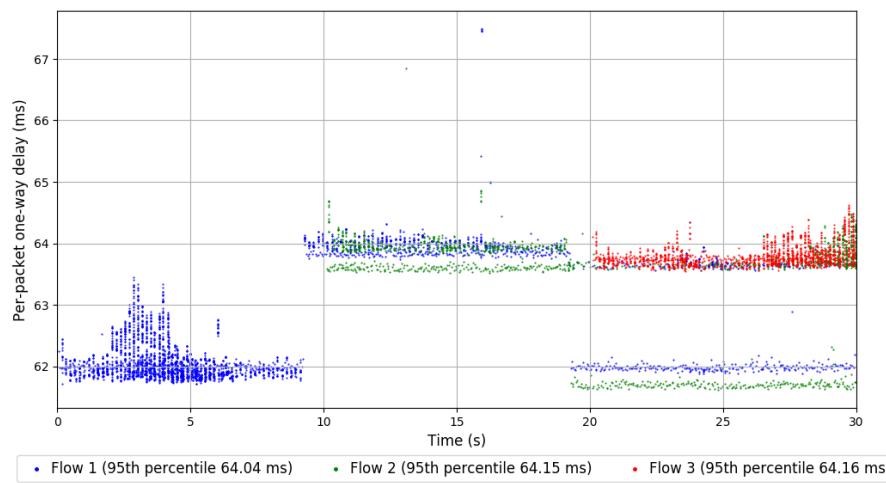
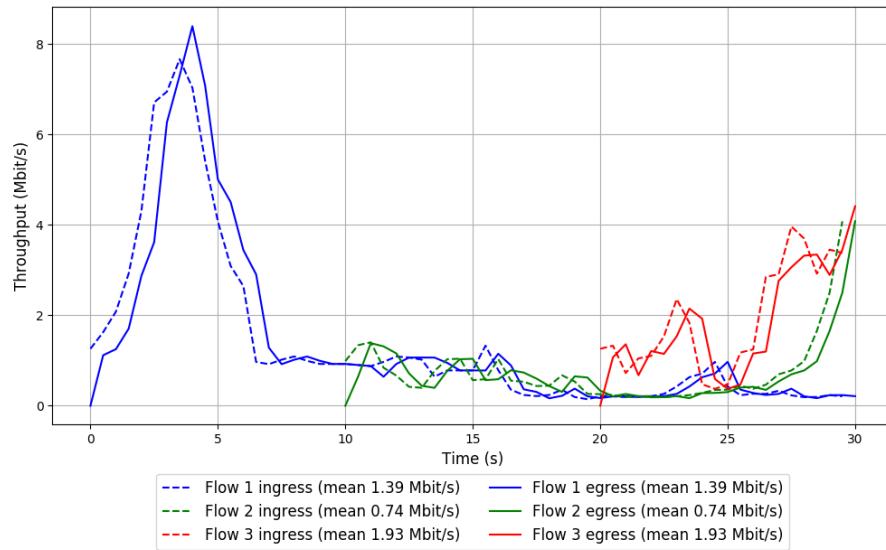


Run 2: Statistics of Sprout

```
Start at: 2018-05-31 11:32:15
End at: 2018-05-31 11:32:45
Local clock offset: -0.171 ms
Remote clock offset: 0.27 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 64.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 64.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 64.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 64.163 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

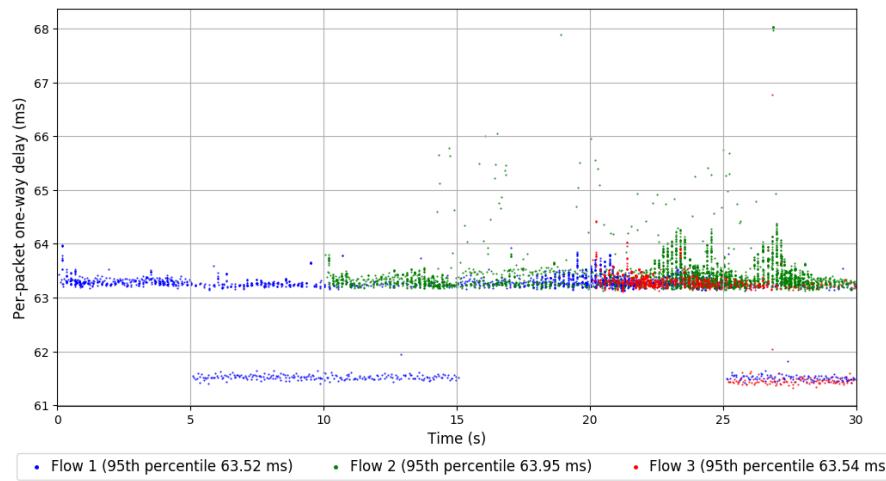
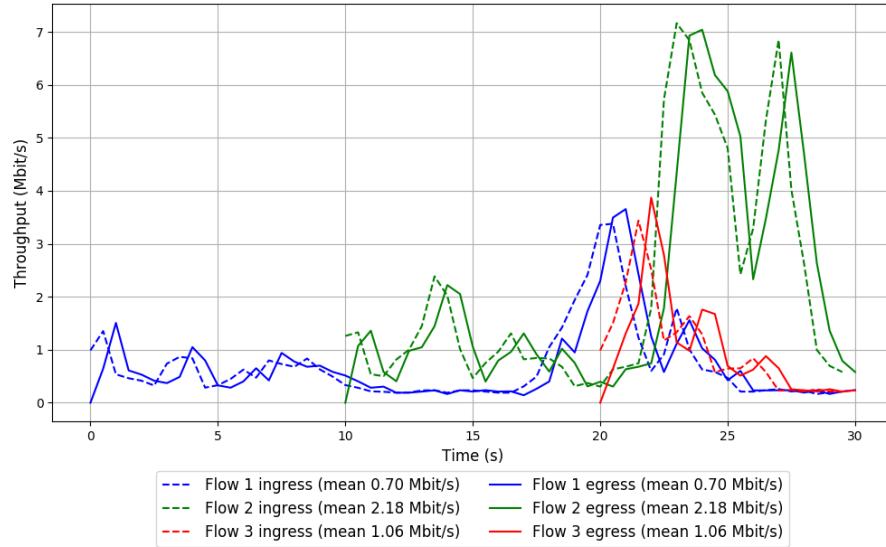


Run 3: Statistics of Sprout

```
Start at: 2018-05-31 11:54:59
End at: 2018-05-31 11:55:29
Local clock offset: 0.135 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 63.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 63.522 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 63.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 63.537 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

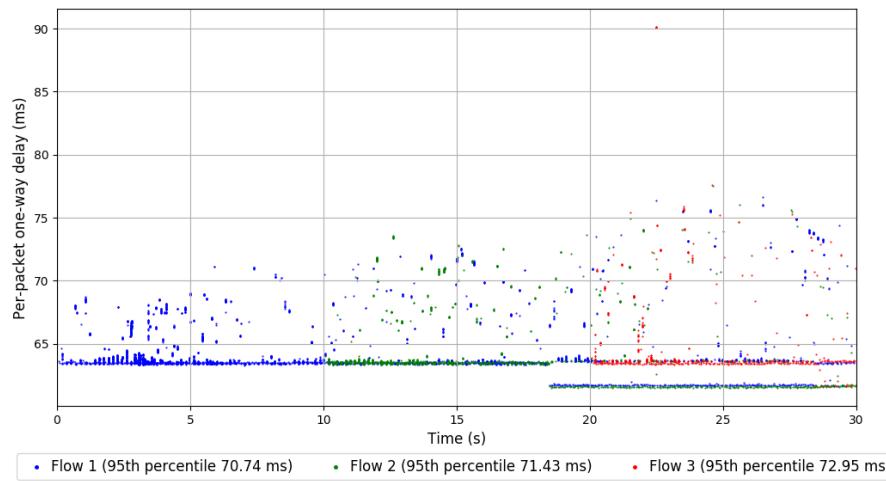
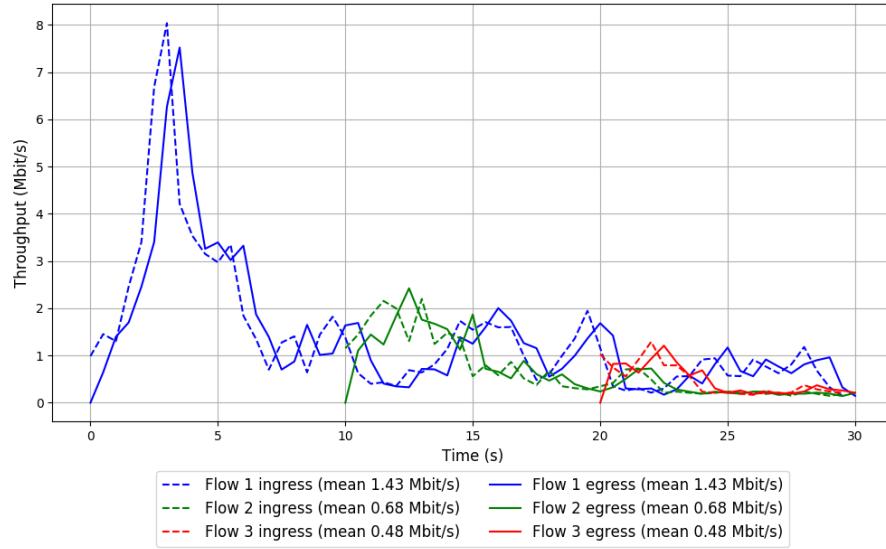


Run 4: Statistics of Sprout

```
Start at: 2018-05-31 12:17:56
End at: 2018-05-31 12:18:26
Local clock offset: 0.056 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 71.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 70.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 71.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 72.955 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

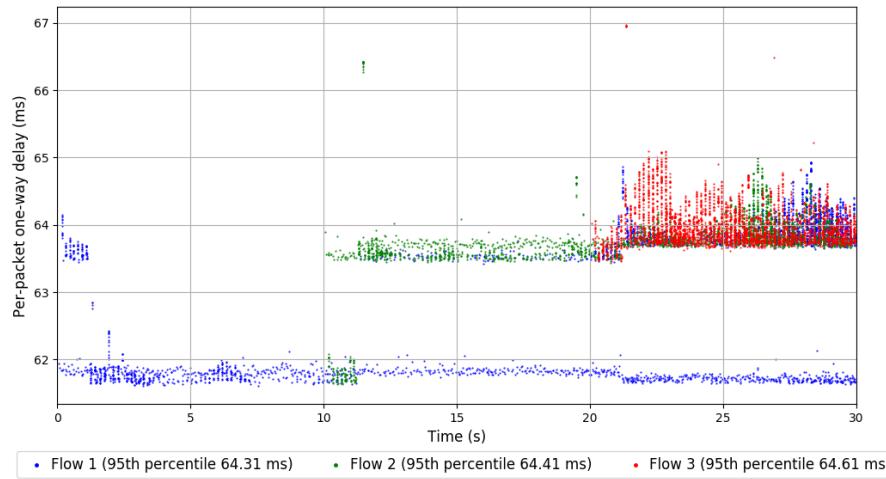
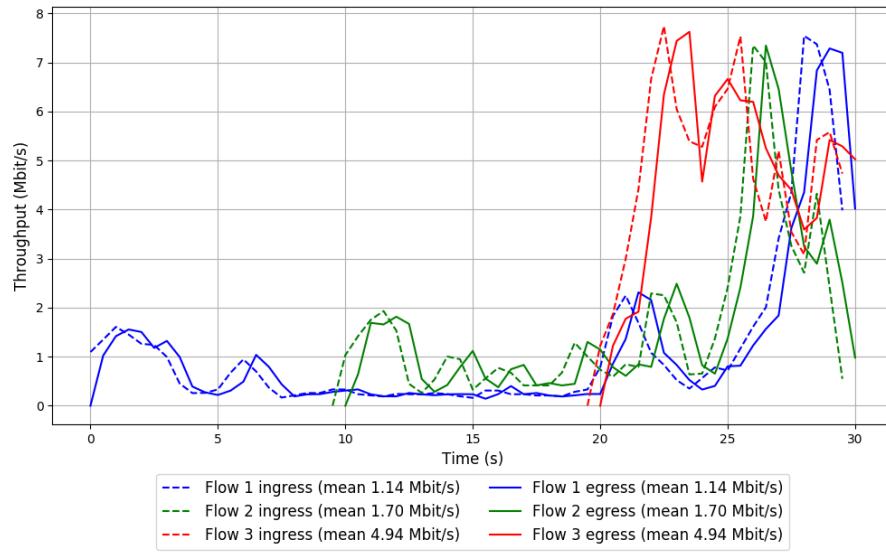


Run 5: Statistics of Sprout

```
Start at: 2018-05-31 12:40:33
End at: 2018-05-31 12:41:03
Local clock offset: -0.019 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 64.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 64.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 64.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.94 Mbit/s
95th percentile per-packet one-way delay: 64.606 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

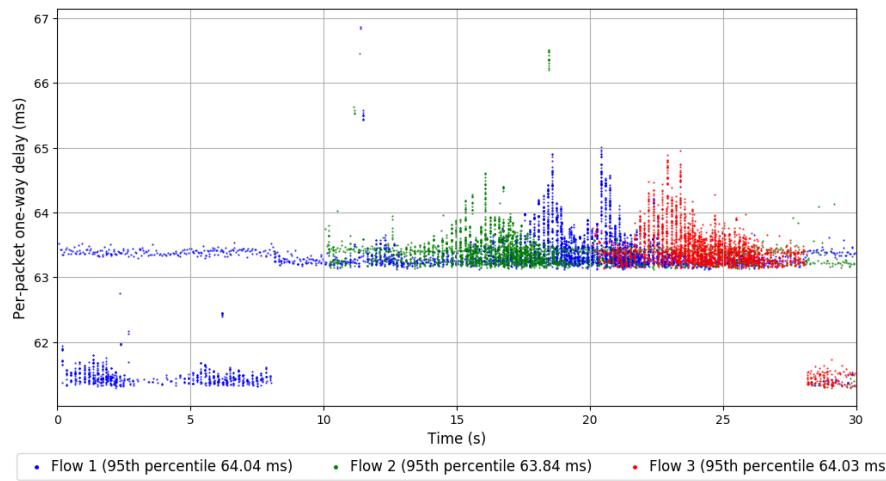
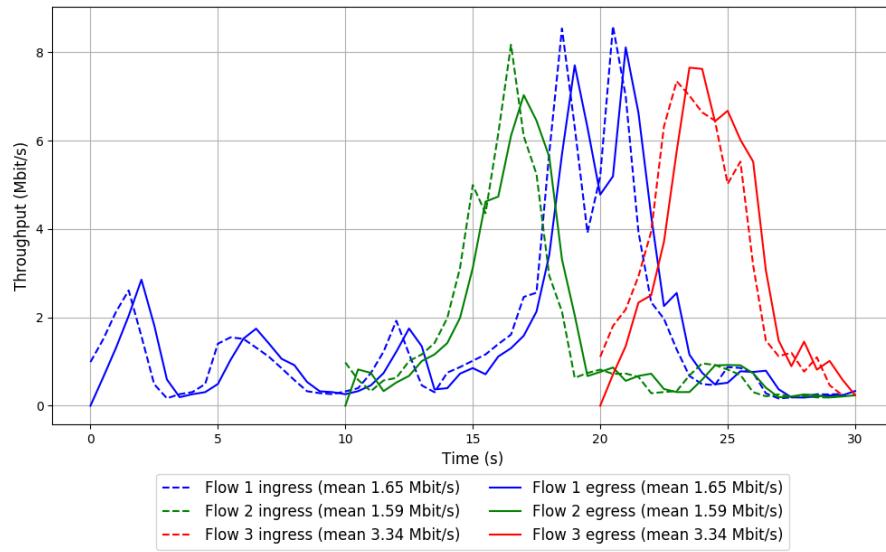


Run 6: Statistics of Sprout

```
Start at: 2018-05-31 13:02:56
End at: 2018-05-31 13:03:26
Local clock offset: -0.04 ms
Remote clock offset: -0.24 ms

# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 63.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 64.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 64.032 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

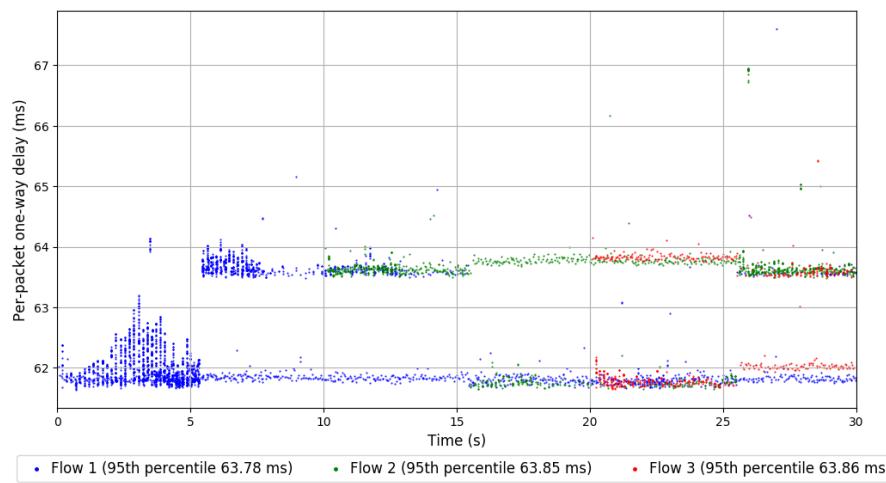
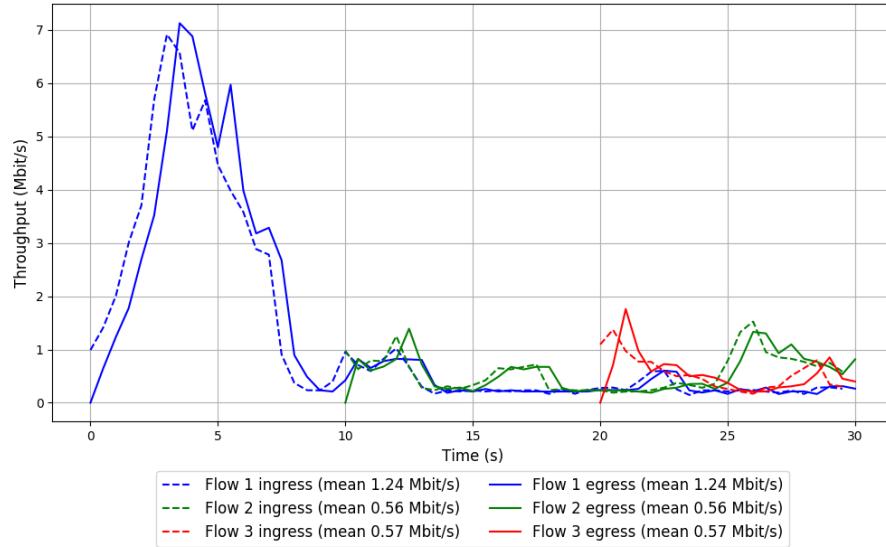


Run 7: Statistics of Sprout

```
Start at: 2018-05-31 13:25:29
End at: 2018-05-31 13:25:59
Local clock offset: -0.073 ms
Remote clock offset: 0.177 ms

# Below is generated by plot.py at 2018-05-31 16:19:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 63.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 63.785 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 63.851 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 63.861 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

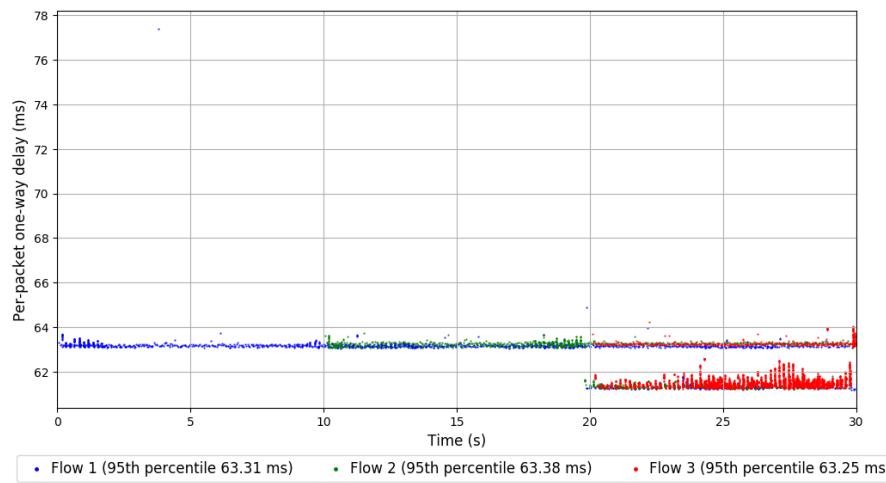
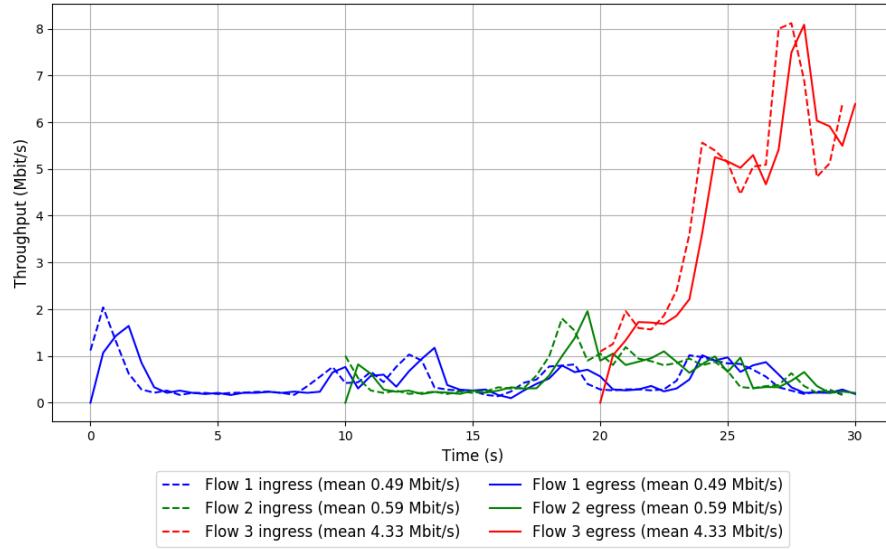


Run 8: Statistics of Sprout

```
Start at: 2018-05-31 13:48:15
End at: 2018-05-31 13:48:45
Local clock offset: 0.027 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-05-31 16:19:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 63.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 63.309 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 63.381 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 63.253 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

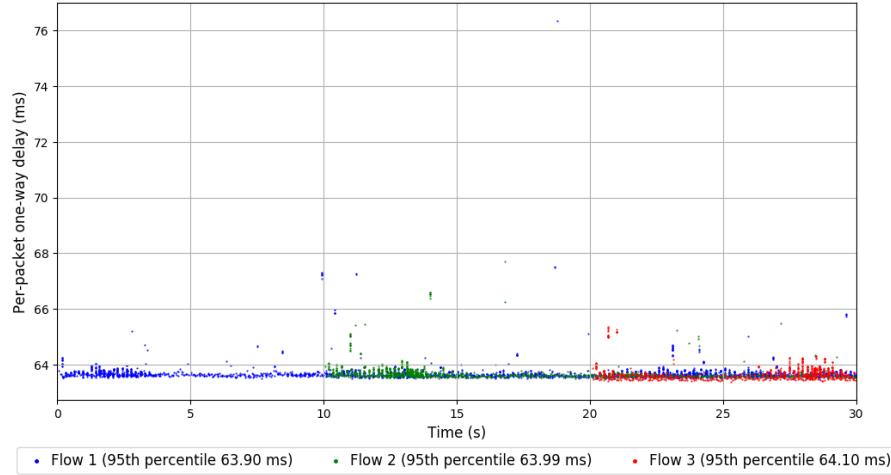
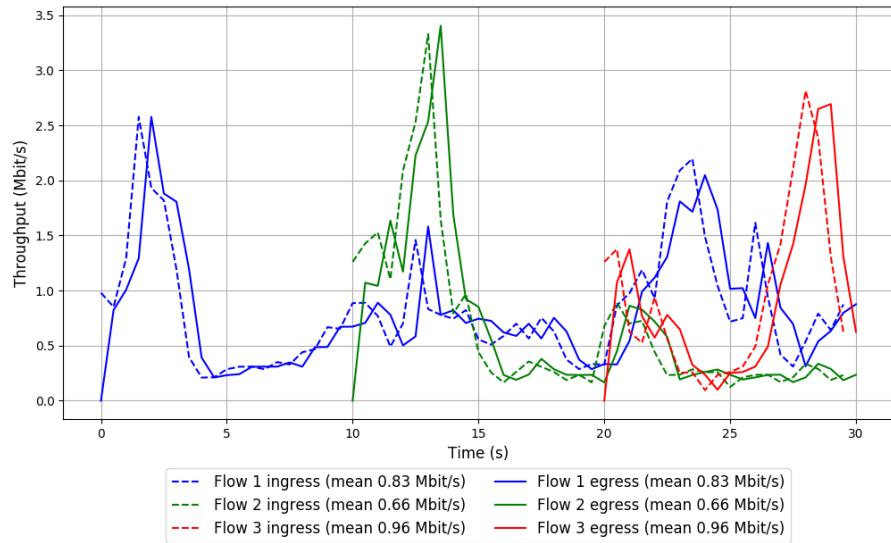


Run 9: Statistics of Sprout

```
Start at: 2018-05-31 14:11:00
End at: 2018-05-31 14:11:30
Local clock offset: 0.008 ms
Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2018-05-31 16:19:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 63.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 63.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 63.988 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 64.104 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

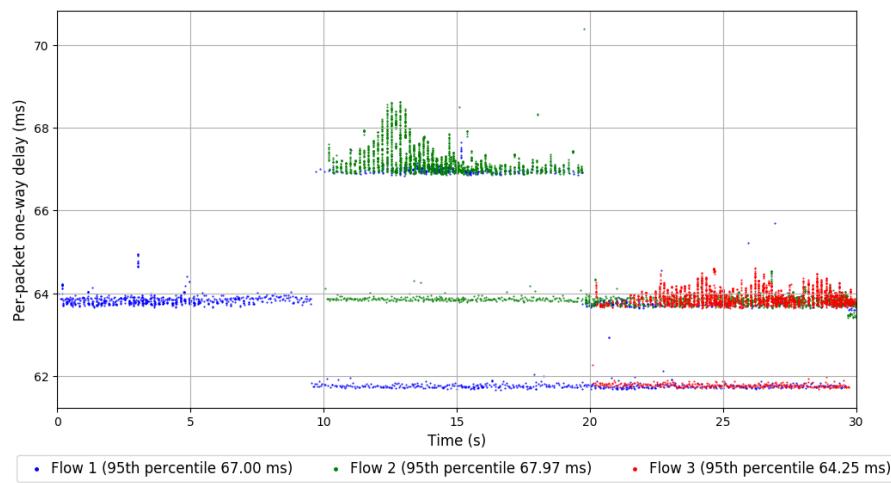
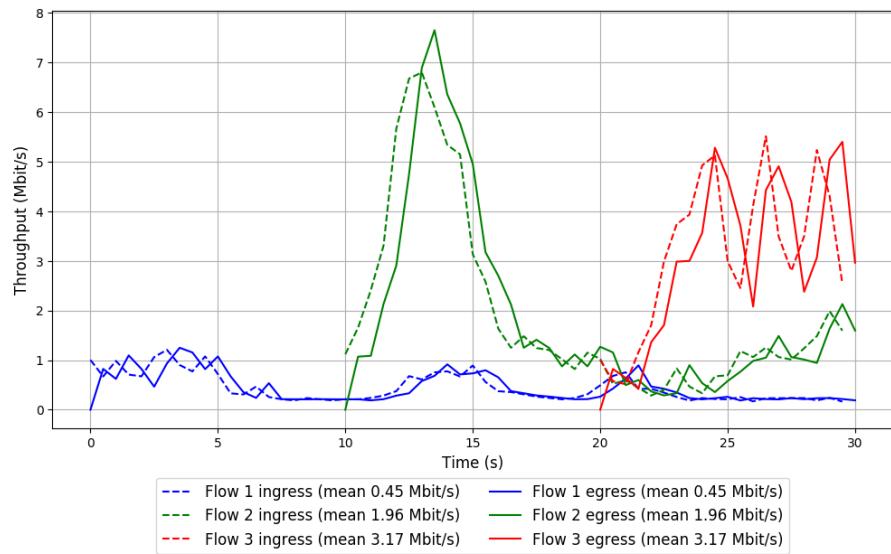


Run 10: Statistics of Sprout

```
Start at: 2018-05-31 14:33:45
End at: 2018-05-31 14:34:15
Local clock offset: -0.016 ms
Remote clock offset: 0.255 ms

# Below is generated by plot.py at 2018-05-31 16:19:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 67.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 67.967 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 64.251 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

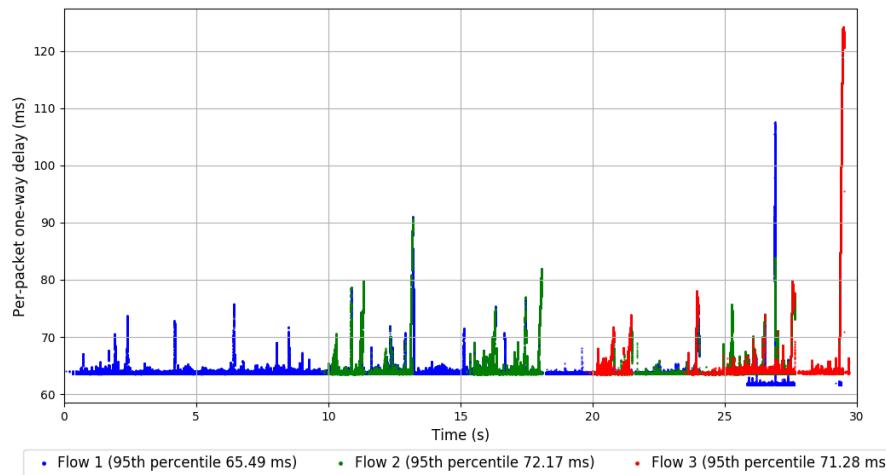
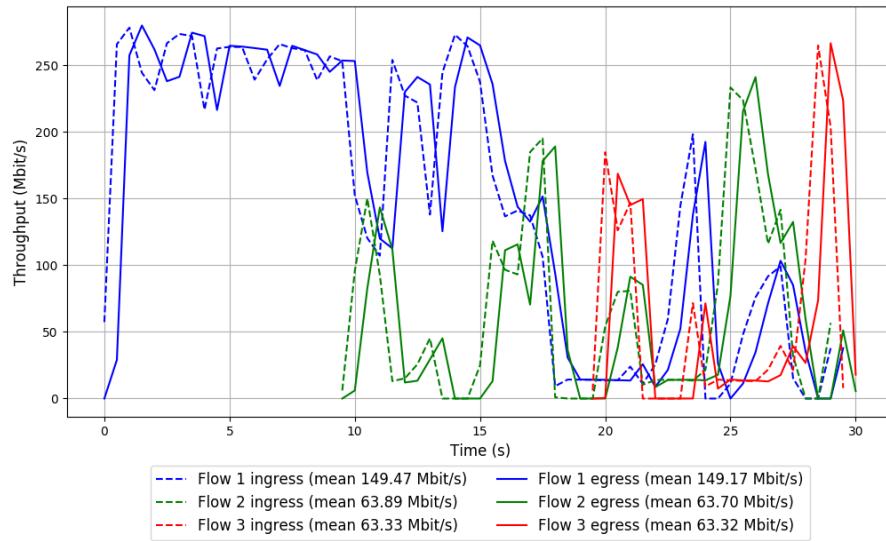


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-31 10:51:18
End at: 2018-05-31 10:51:48
Local clock offset: -0.461 ms
Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2018-05-31 16:19:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.76 Mbit/s
95th percentile per-packet one-way delay: 67.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.17 Mbit/s
95th percentile per-packet one-way delay: 65.487 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.70 Mbit/s
95th percentile per-packet one-way delay: 72.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 71.279 ms
Loss rate: 0.00%
```

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

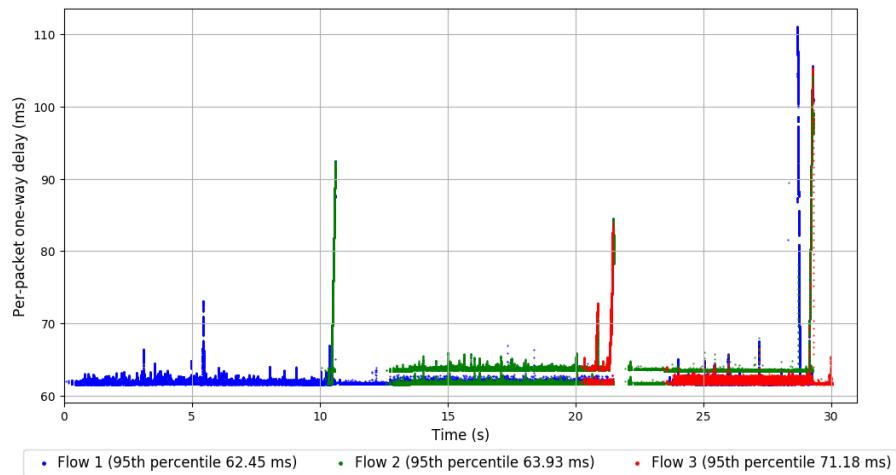
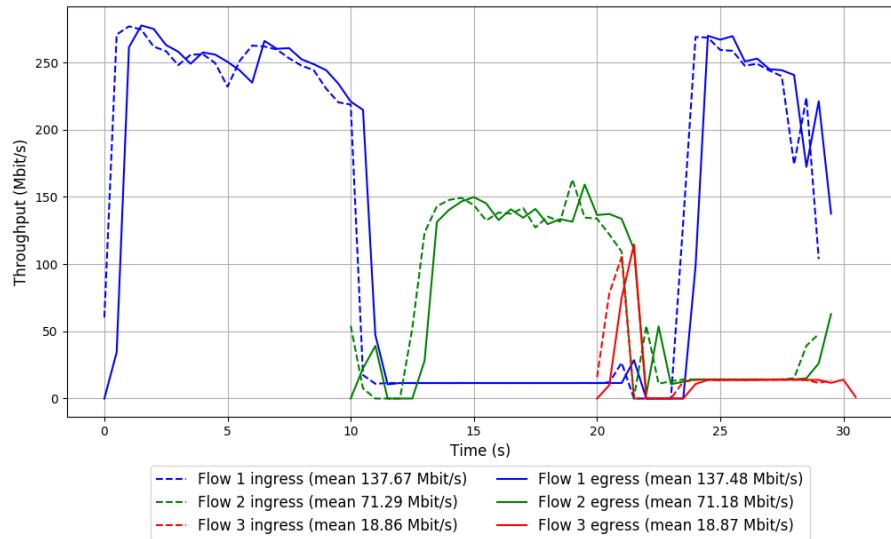


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-31 11:13:21
End at: 2018-05-31 11:13:51
Local clock offset: -0.582 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2018-05-31 16:19:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 185.96 Mbit/s
95th percentile per-packet one-way delay: 63.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 137.48 Mbit/s
95th percentile per-packet one-way delay: 62.452 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.18 Mbit/s
95th percentile per-packet one-way delay: 63.931 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.87 Mbit/s
95th percentile per-packet one-way delay: 71.176 ms
Loss rate: 0.00%
```

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

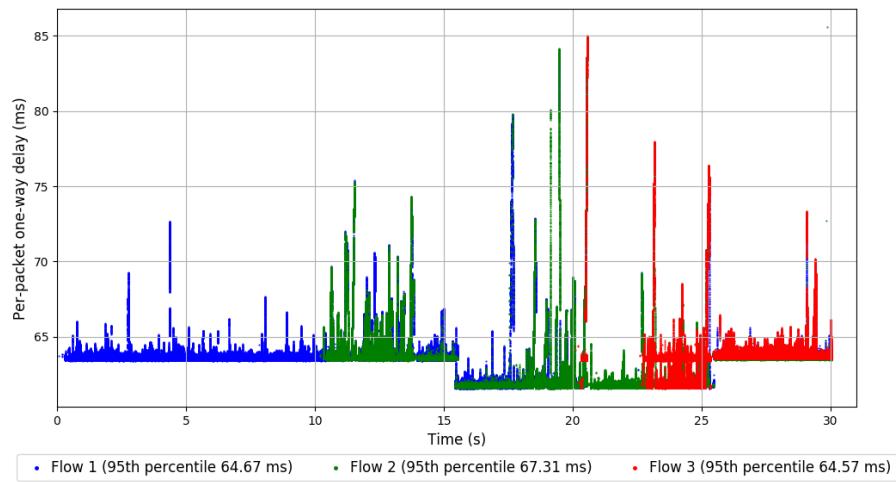
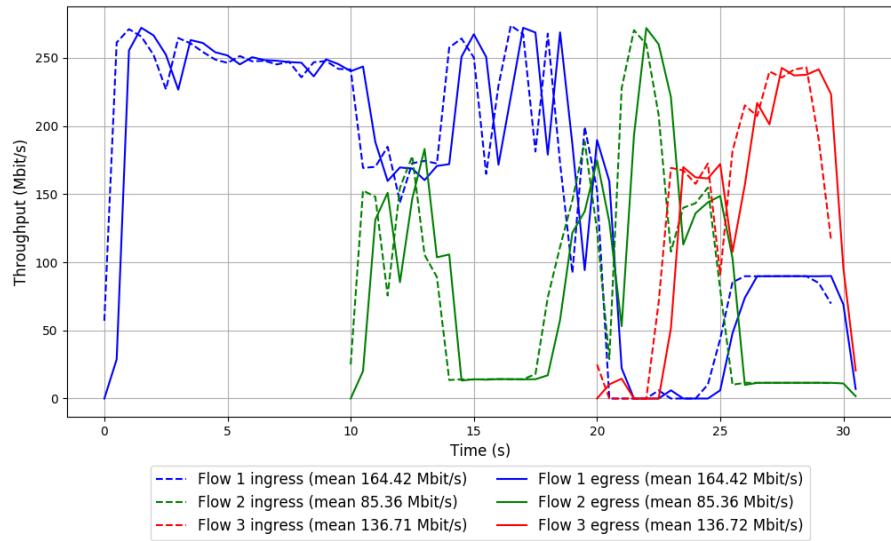


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-31 11:35:59
End at: 2018-05-31 11:36:29
Local clock offset: -0.059 ms
Remote clock offset: 0.205 ms

# Below is generated by plot.py at 2018-05-31 16:21:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 266.68 Mbit/s
95th percentile per-packet one-way delay: 65.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.42 Mbit/s
95th percentile per-packet one-way delay: 64.671 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 67.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.72 Mbit/s
95th percentile per-packet one-way delay: 64.566 ms
Loss rate: 0.00%
```

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

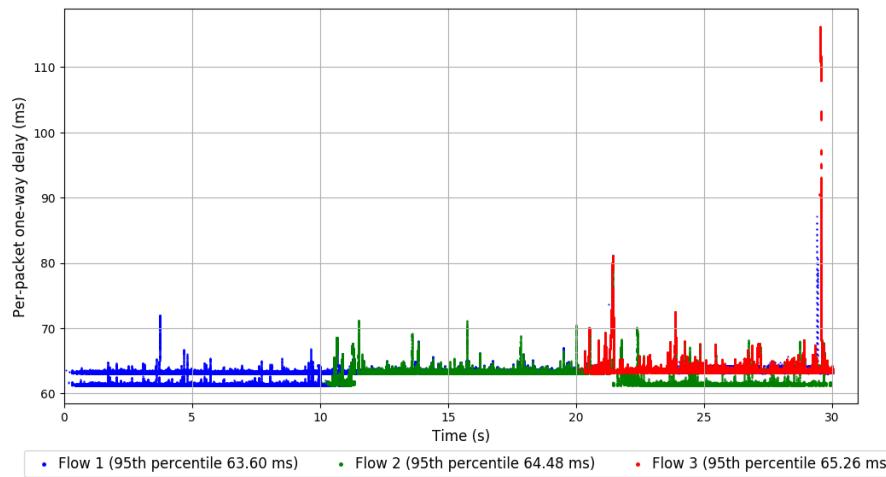
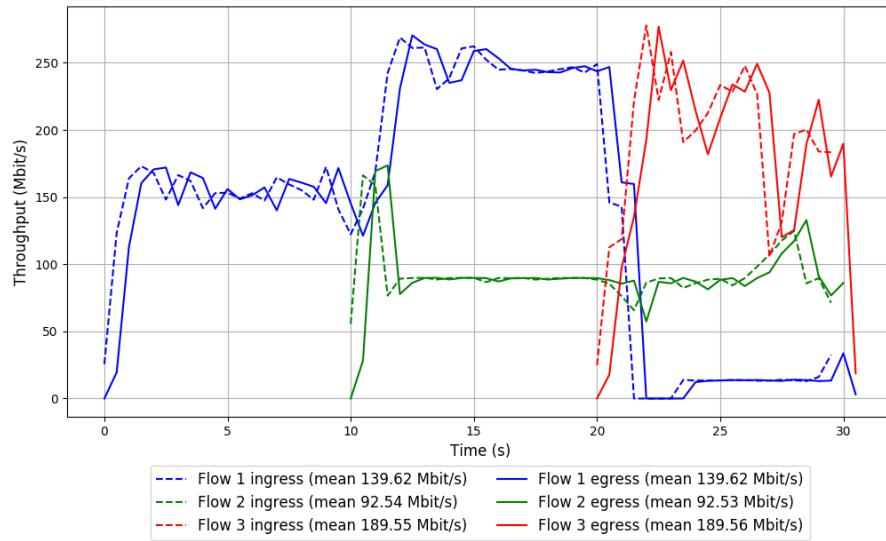


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-31 11:58:43
End at: 2018-05-31 11:59:13
Local clock offset: 0.124 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-05-31 16:21:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 264.08 Mbit/s
95th percentile per-packet one-way delay: 64.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.62 Mbit/s
95th percentile per-packet one-way delay: 63.599 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 64.482 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 189.56 Mbit/s
95th percentile per-packet one-way delay: 65.263 ms
Loss rate: 0.00%
```

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

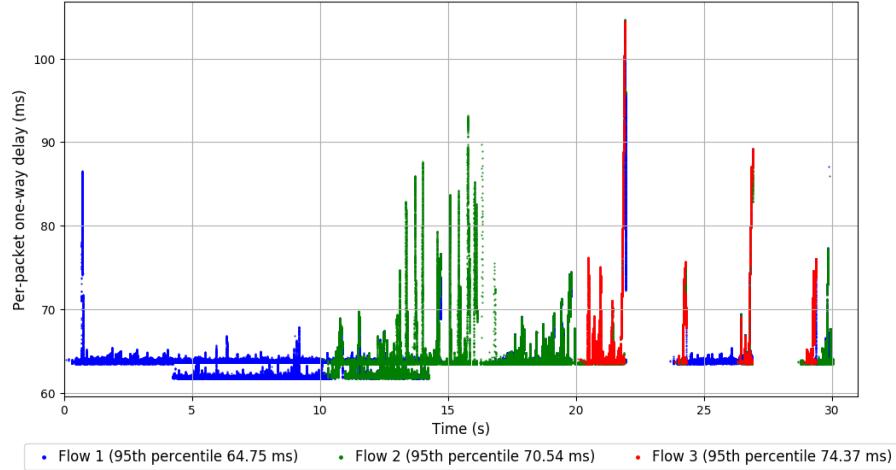
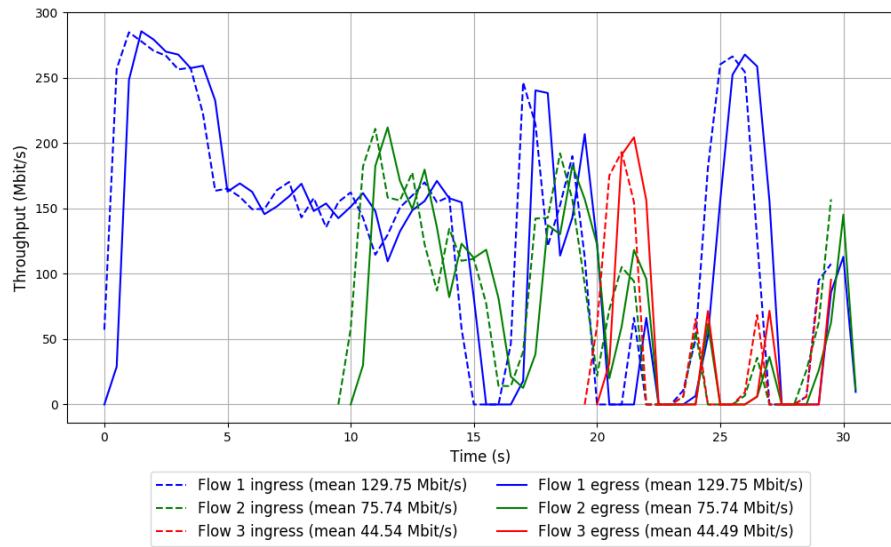


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-31 12:21:40
End at: 2018-05-31 12:22:10
Local clock offset: -0.004 ms
Remote clock offset: 0.16 ms

# Below is generated by plot.py at 2018-05-31 16:21:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 194.05 Mbit/s
95th percentile per-packet one-way delay: 67.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.75 Mbit/s
95th percentile per-packet one-way delay: 64.752 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: 70.543 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 74.366 ms
Loss rate: 0.00%
```

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

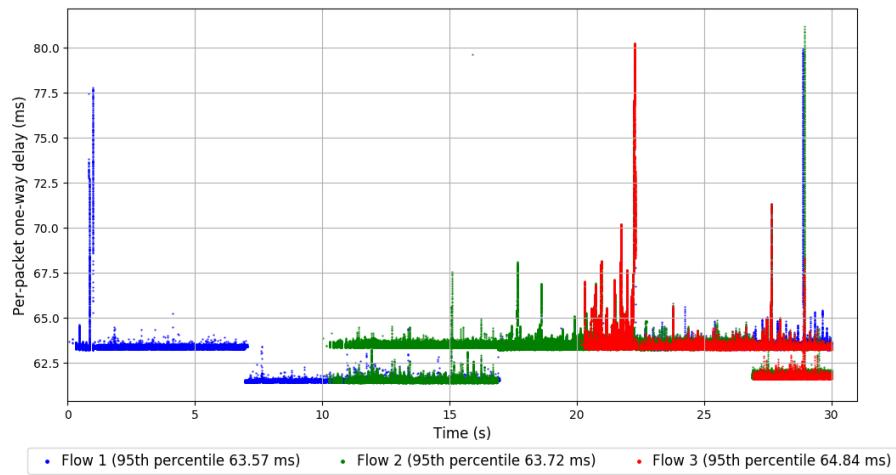
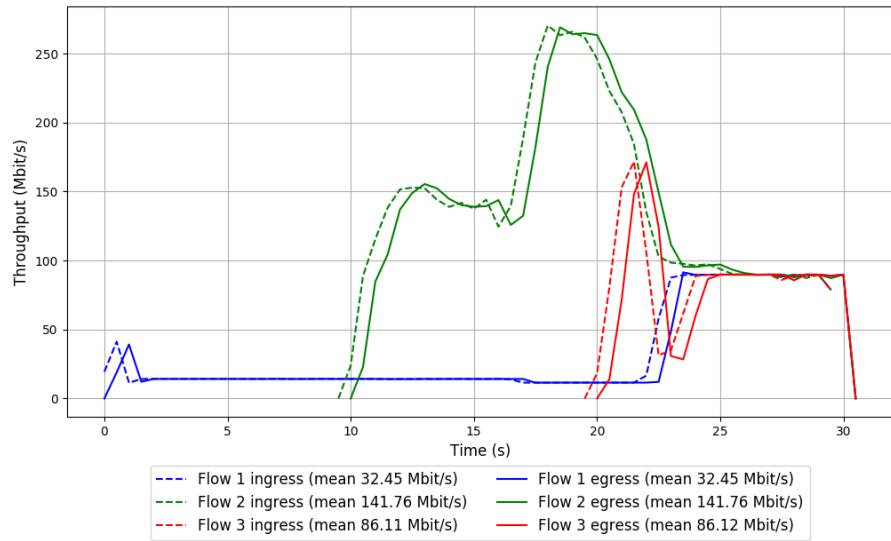


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-31 12:44:18
End at: 2018-05-31 12:44:48
Local clock offset: -0.004 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-05-31 16:21:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 155.70 Mbit/s
95th percentile per-packet one-way delay: 63.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 63.571 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 141.76 Mbit/s
95th percentile per-packet one-way delay: 63.719 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 64.838 ms
Loss rate: 0.00%
```

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

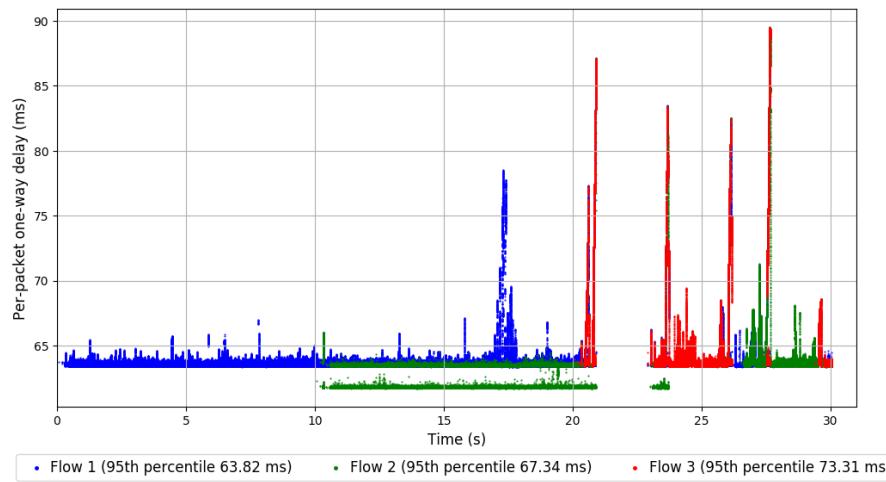
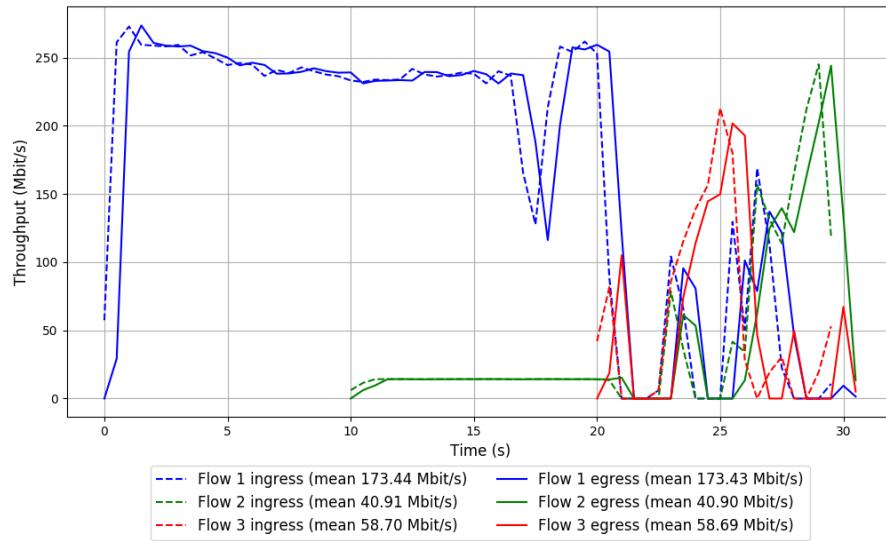


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-31 13:06:40
End at: 2018-05-31 13:07:10
Local clock offset: -0.024 ms
Remote clock offset: 0.092 ms

# Below is generated by plot.py at 2018-05-31 16:22:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 220.05 Mbit/s
95th percentile per-packet one-way delay: 64.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.43 Mbit/s
95th percentile per-packet one-way delay: 63.819 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 67.337 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 73.311 ms
Loss rate: 0.01%
```

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

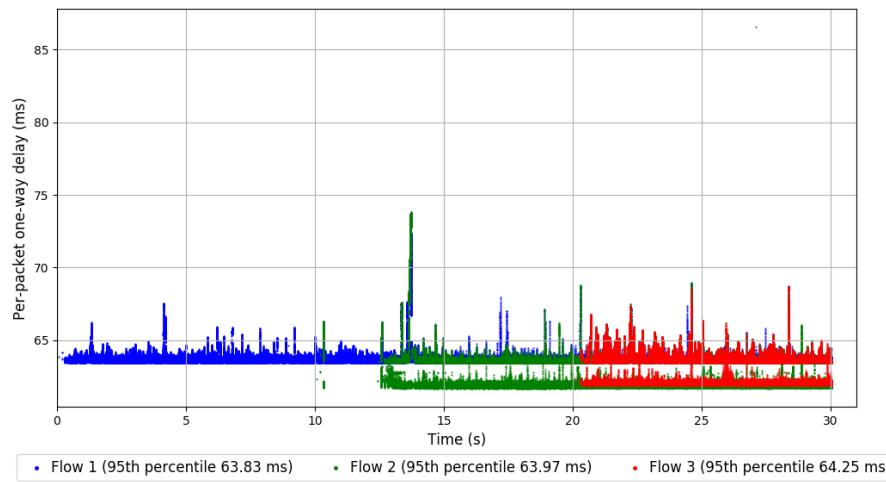
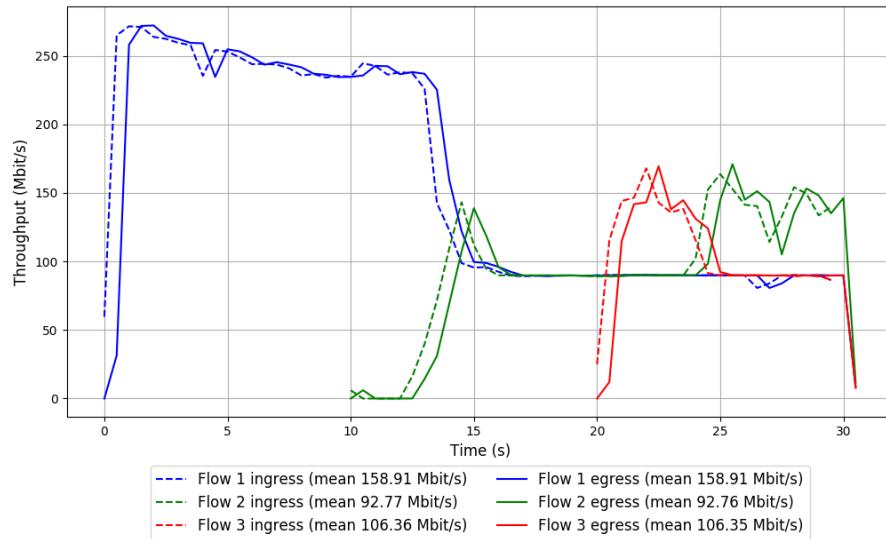


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-31 13:29:13
End at: 2018-05-31 13:29:43
Local clock offset: -0.022 ms
Remote clock offset: 0.225 ms

# Below is generated by plot.py at 2018-05-31 16:26:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.98 Mbit/s
95th percentile per-packet one-way delay: 63.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.91 Mbit/s
95th percentile per-packet one-way delay: 63.829 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 63.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.35 Mbit/s
95th percentile per-packet one-way delay: 64.253 ms
Loss rate: 0.00%
```

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

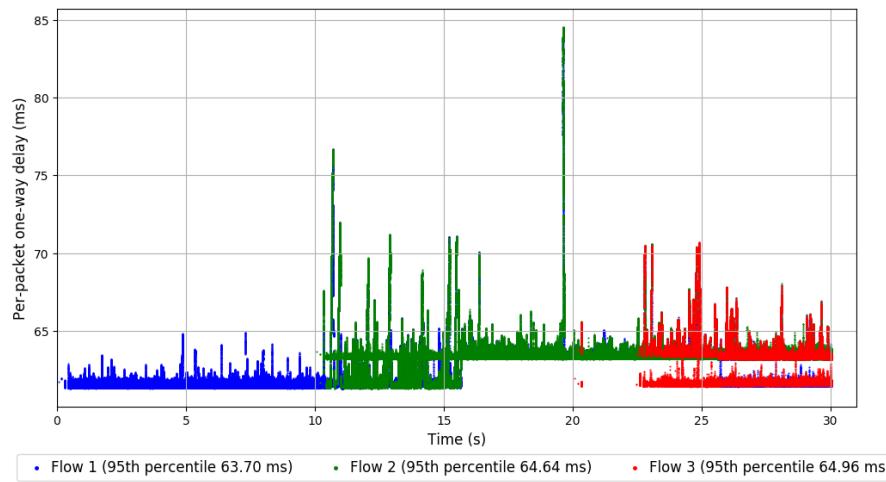
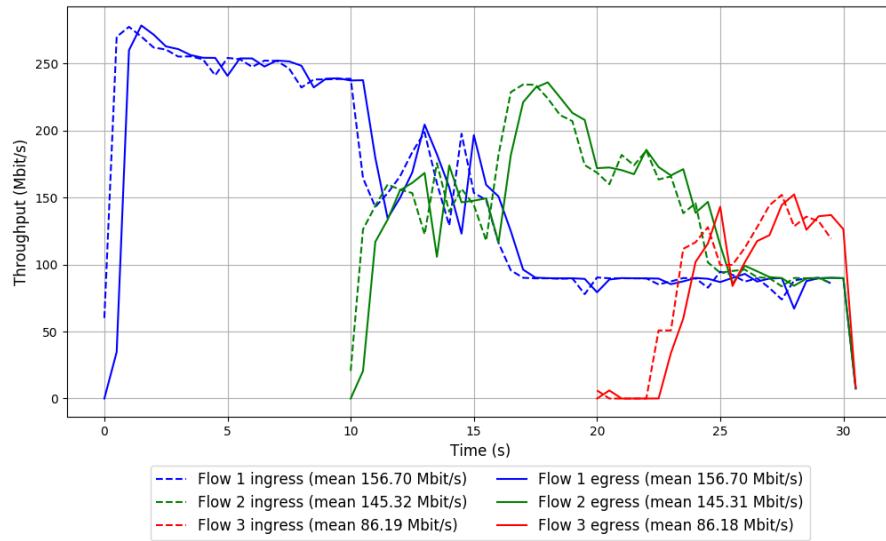


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-31 13:51:59
End at: 2018-05-31 13:52:29
Local clock offset: 0.012 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-05-31 16:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.11 Mbit/s
95th percentile per-packet one-way delay: 64.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.70 Mbit/s
95th percentile per-packet one-way delay: 63.701 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.31 Mbit/s
95th percentile per-packet one-way delay: 64.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 64.960 ms
Loss rate: 0.00%
```

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

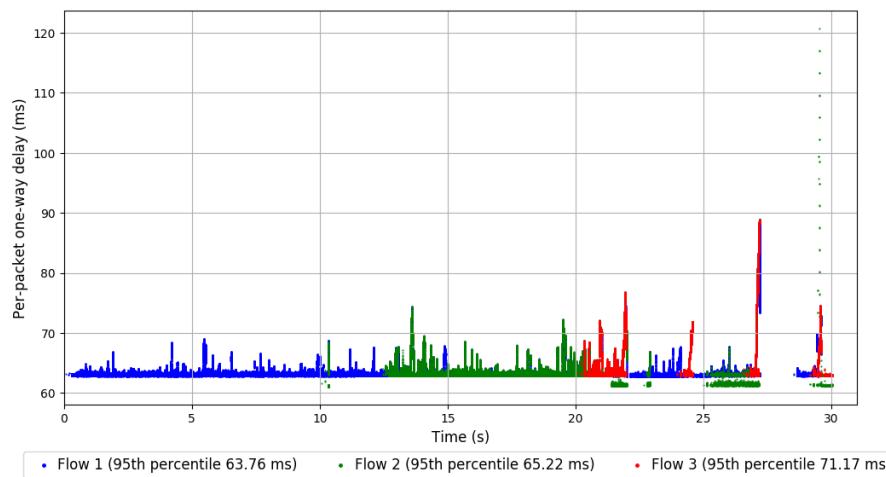
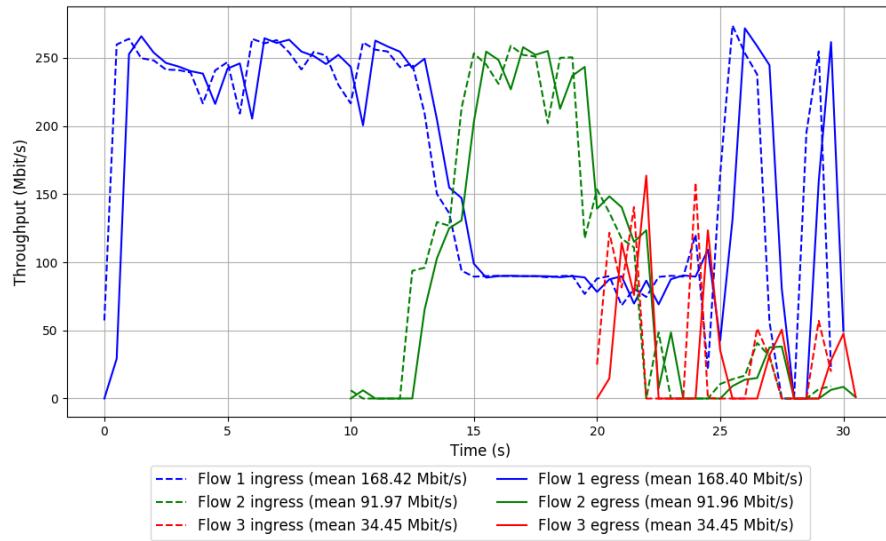


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-31 14:14:43
End at: 2018-05-31 14:15:13
Local clock offset: 0.01 ms
Remote clock offset: -0.451 ms

# Below is generated by plot.py at 2018-05-31 16:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 238.70 Mbit/s
95th percentile per-packet one-way delay: 64.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.40 Mbit/s
95th percentile per-packet one-way delay: 63.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 65.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 71.166 ms
Loss rate: 0.00%
```

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

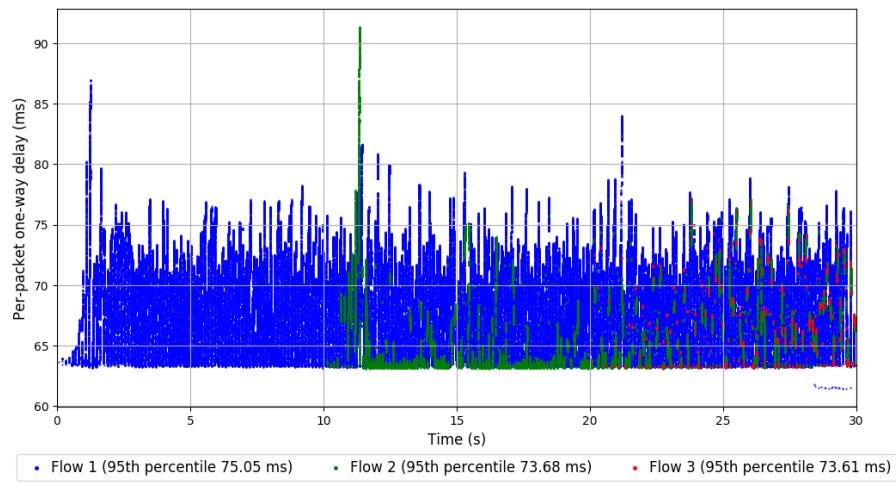
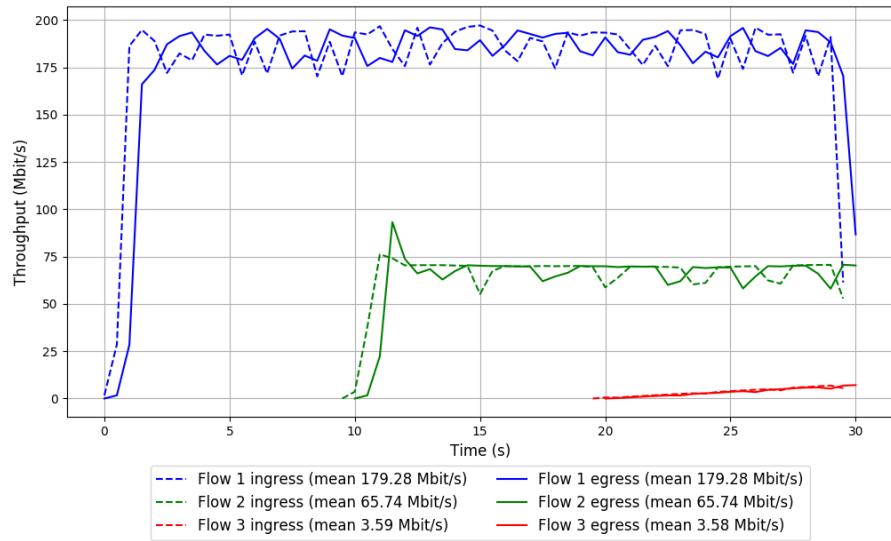


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-31 10:52:46
End at: 2018-05-31 10:53:16
Local clock offset: -0.458 ms
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2018-05-31 16:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 224.20 Mbit/s
95th percentile per-packet one-way delay: 74.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.28 Mbit/s
95th percentile per-packet one-way delay: 75.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 73.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 73.609 ms
Loss rate: 0.27%
```

Run 1: Report of TCP Vegas — Data Link

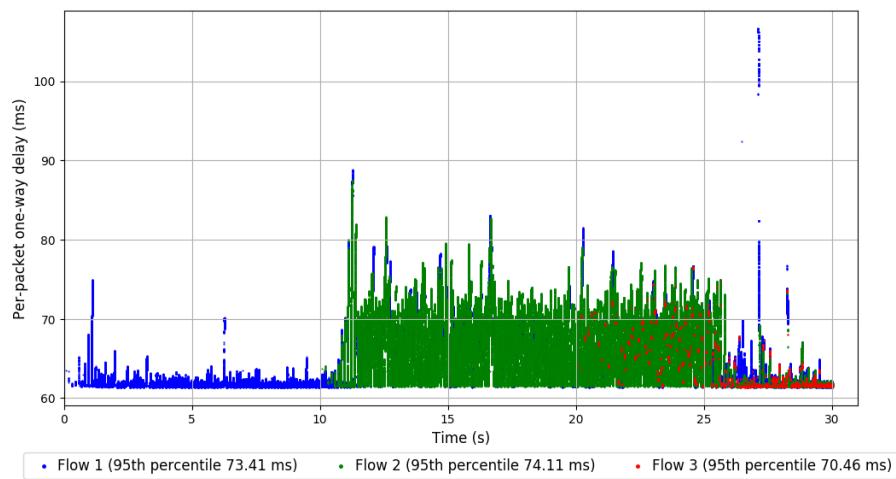
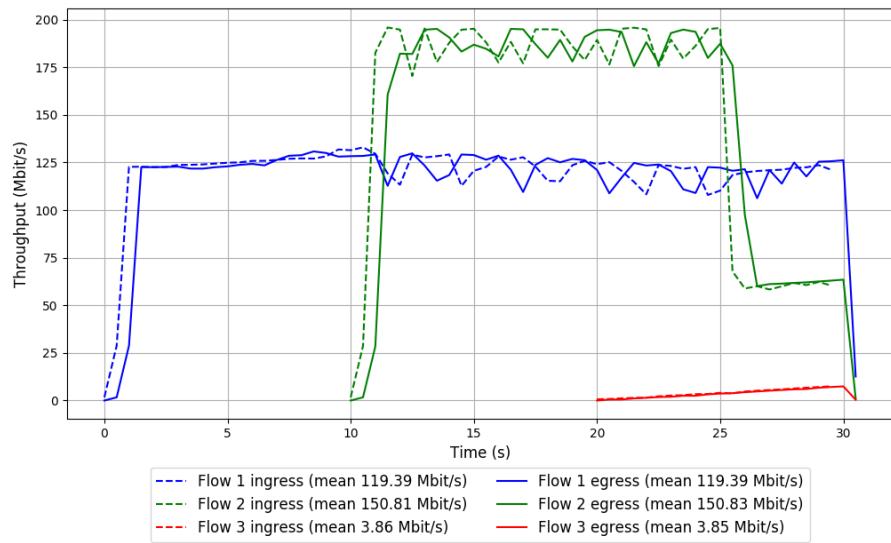


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-31 11:14:50
End at: 2018-05-31 11:15:20
Local clock offset: -0.544 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-05-31 16:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.18 Mbit/s
95th percentile per-packet one-way delay: 73.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.39 Mbit/s
95th percentile per-packet one-way delay: 73.409 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.83 Mbit/s
95th percentile per-packet one-way delay: 74.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 70.458 ms
Loss rate: 0.16%
```

Run 2: Report of TCP Vegas — Data Link

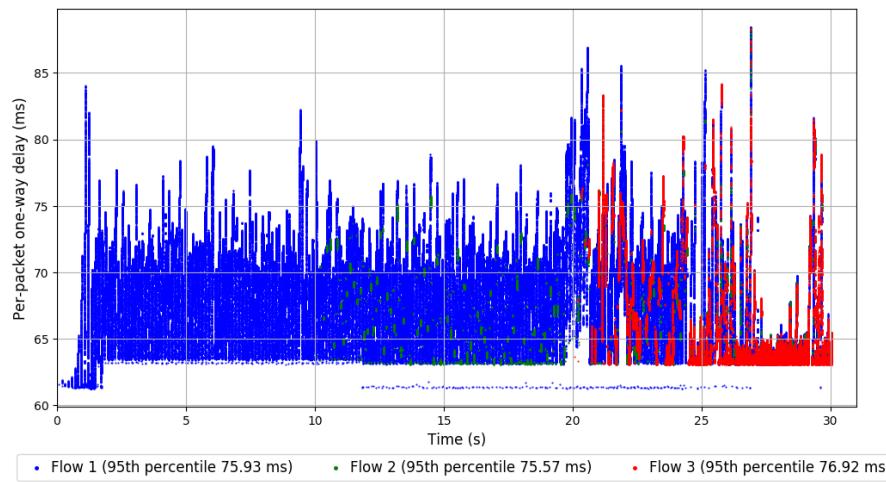
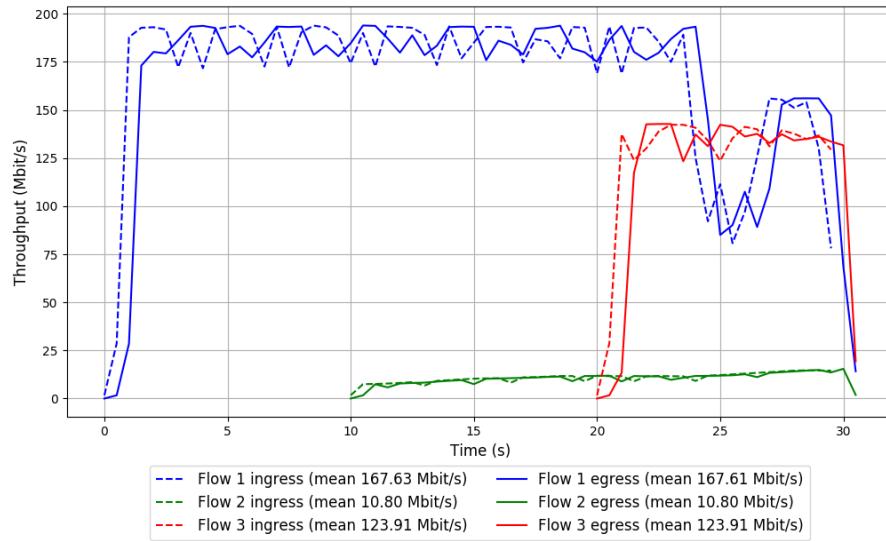


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-31 11:37:33
End at: 2018-05-31 11:38:03
Local clock offset: -0.069 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-05-31 16:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 215.91 Mbit/s
95th percentile per-packet one-way delay: 76.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.61 Mbit/s
95th percentile per-packet one-way delay: 75.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 75.573 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 123.91 Mbit/s
95th percentile per-packet one-way delay: 76.916 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

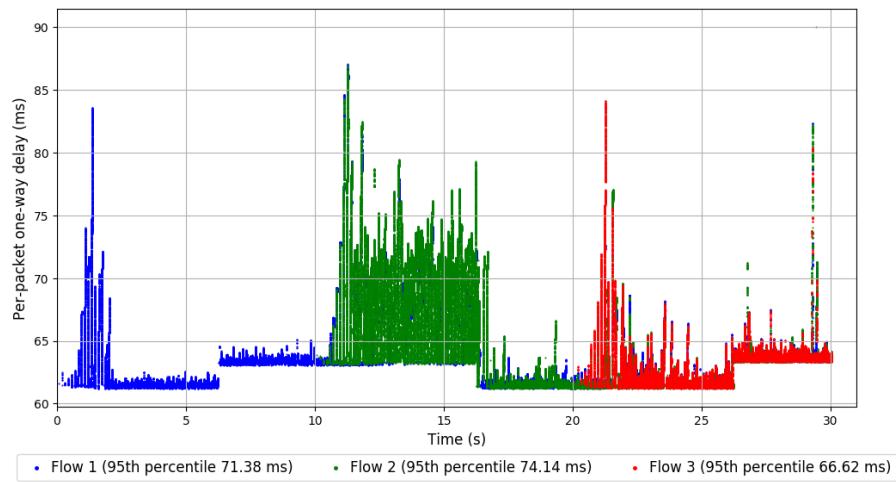
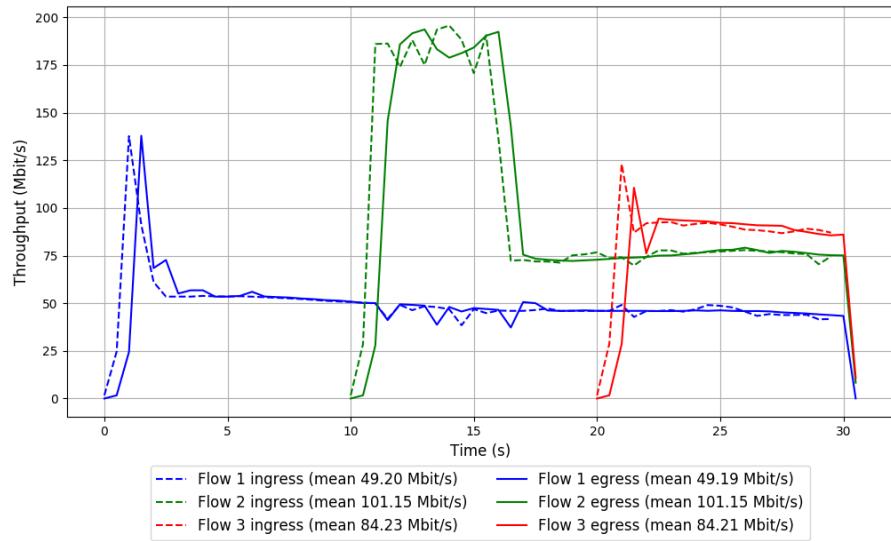


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-31 12:00:18
End at: 2018-05-31 12:00:48
Local clock offset: 0.135 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-05-31 16:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 144.53 Mbit/s
95th percentile per-packet one-way delay: 72.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 71.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.15 Mbit/s
95th percentile per-packet one-way delay: 74.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 66.625 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

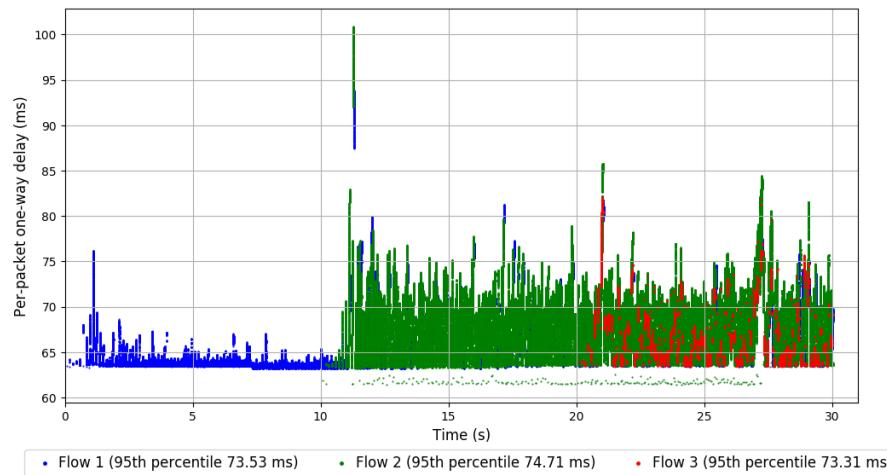
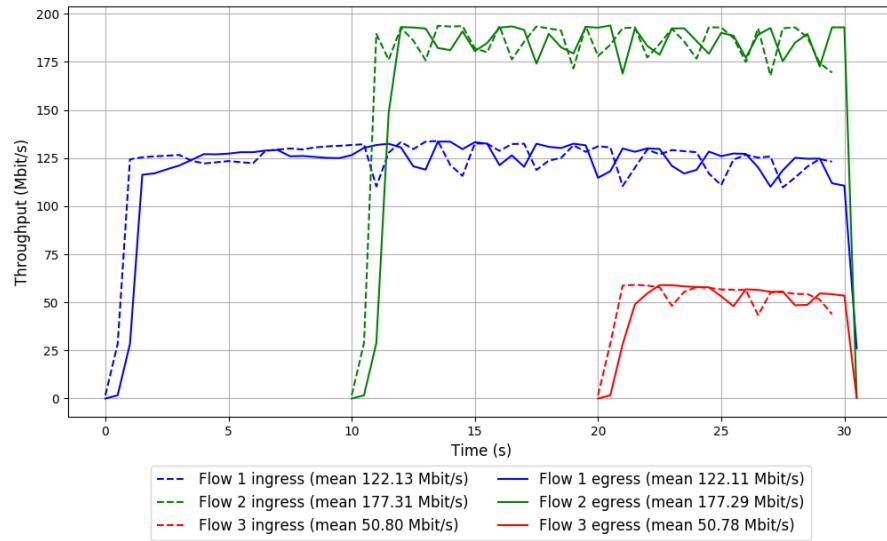


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-31 12:23:07
End at: 2018-05-31 12:23:37
Local clock offset: 0.085 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-05-31 16:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 257.05 Mbit/s
95th percentile per-packet one-way delay: 74.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.11 Mbit/s
95th percentile per-packet one-way delay: 73.526 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.29 Mbit/s
95th percentile per-packet one-way delay: 74.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 73.313 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

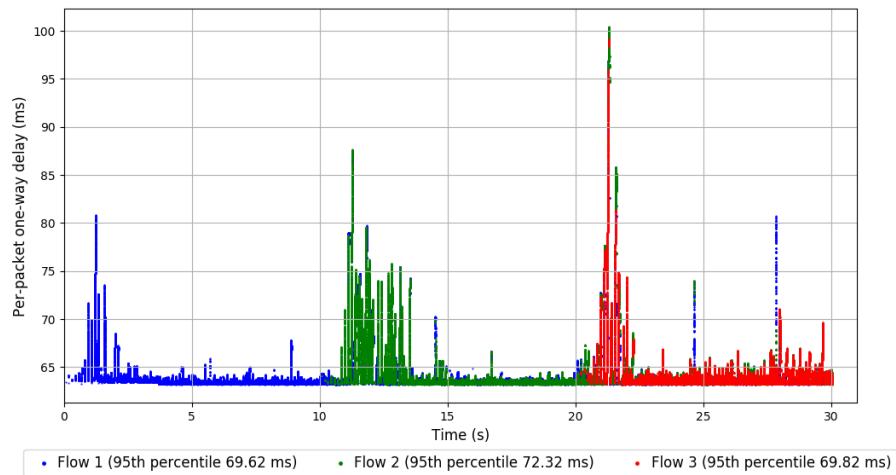
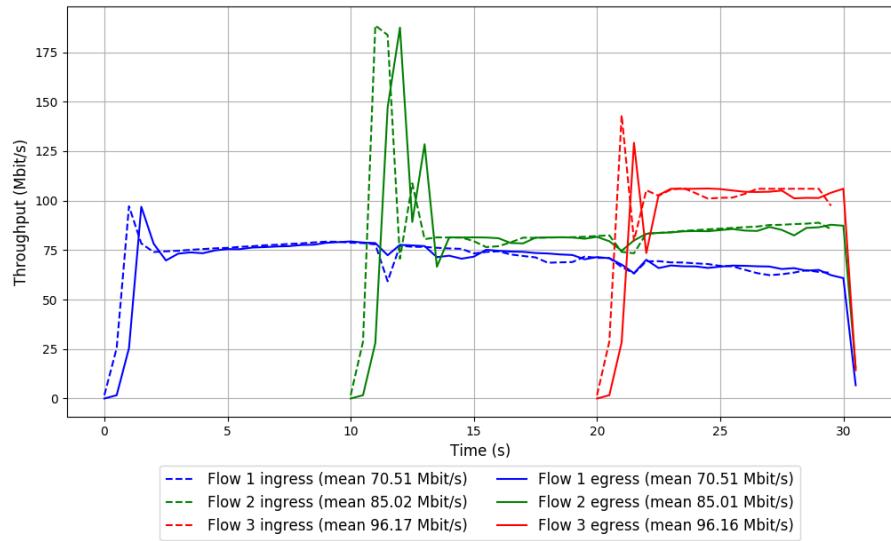


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-31 12:45:41
End at: 2018-05-31 12:46:11
Local clock offset: -0.001 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-05-31 16:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 159.10 Mbit/s
95th percentile per-packet one-way delay: 71.273 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 69.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 72.317 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 69.823 ms
Loss rate: 0.01%
```

Run 6: Report of TCP Vegas — Data Link

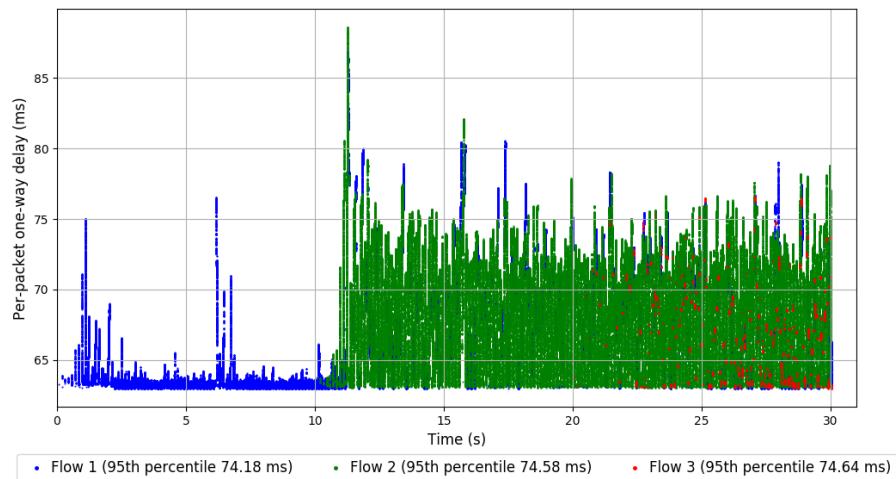
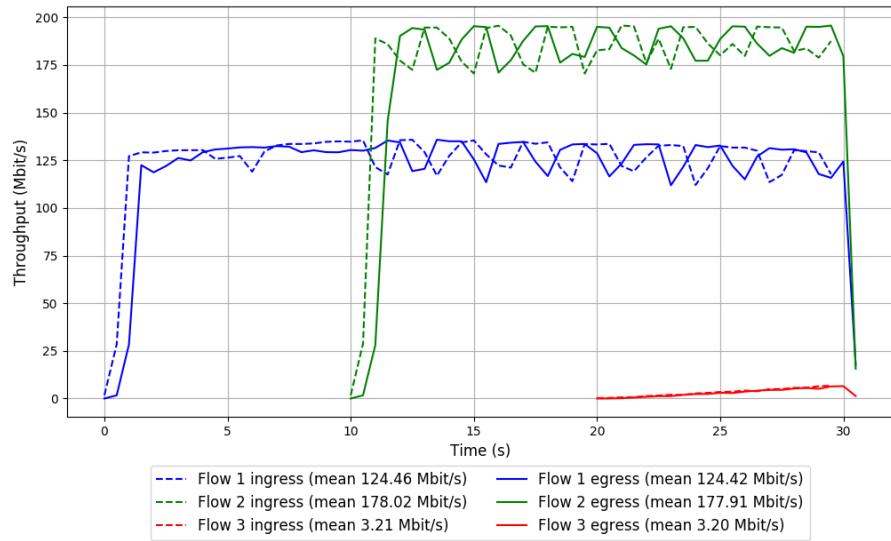


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-31 13:08:12
End at: 2018-05-31 13:08:42
Local clock offset: -0.026 ms
Remote clock offset: -0.312 ms

# Below is generated by plot.py at 2018-05-31 16:27:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 243.81 Mbit/s
95th percentile per-packet one-way delay: 74.462 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 124.42 Mbit/s
95th percentile per-packet one-way delay: 74.179 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 177.91 Mbit/s
95th percentile per-packet one-way delay: 74.584 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 74.638 ms
Loss rate: 0.38%
```

Run 7: Report of TCP Vegas — Data Link

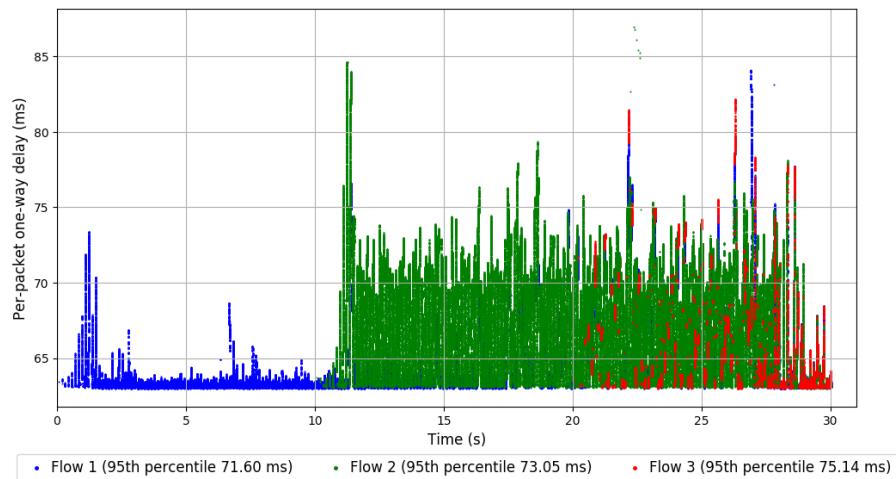
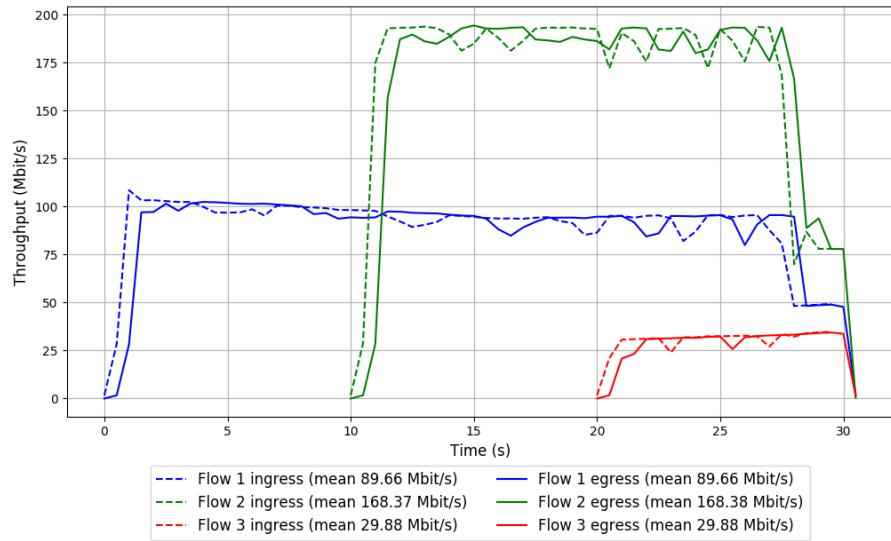


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-31 13:30:50
End at: 2018-05-31 13:31:20
Local clock offset: 0.026 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2018-05-31 16:27:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.68 Mbit/s
95th percentile per-packet one-way delay: 72.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 71.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.38 Mbit/s
95th percentile per-packet one-way delay: 73.045 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 75.139 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

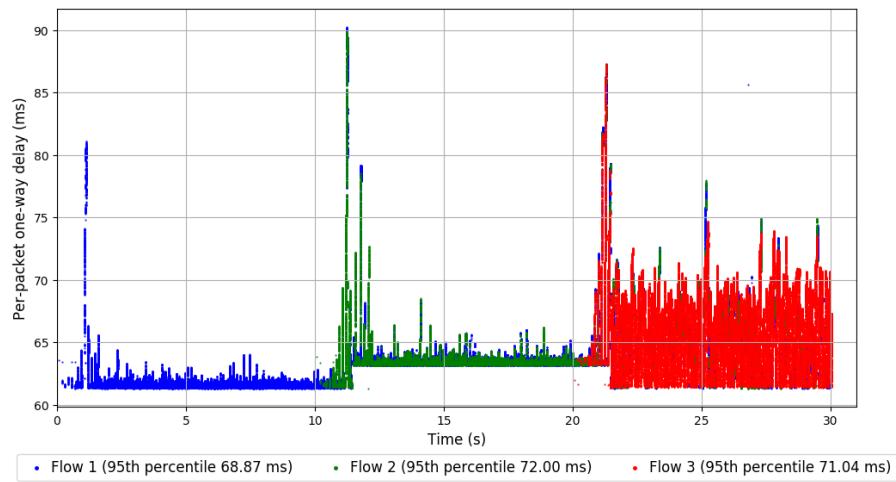
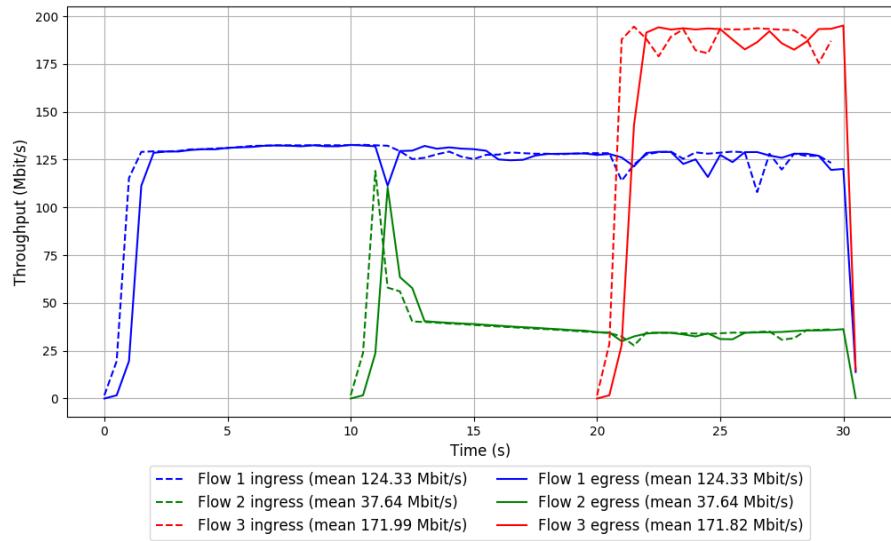


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-31 13:53:33
End at: 2018-05-31 13:54:03
Local clock offset: -0.025 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-05-31 16:28:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 206.35 Mbit/s
95th percentile per-packet one-way delay: 70.370 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 124.33 Mbit/s
95th percentile per-packet one-way delay: 68.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 72.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 171.82 Mbit/s
95th percentile per-packet one-way delay: 71.043 ms
Loss rate: 0.08%
```

Run 9: Report of TCP Vegas — Data Link

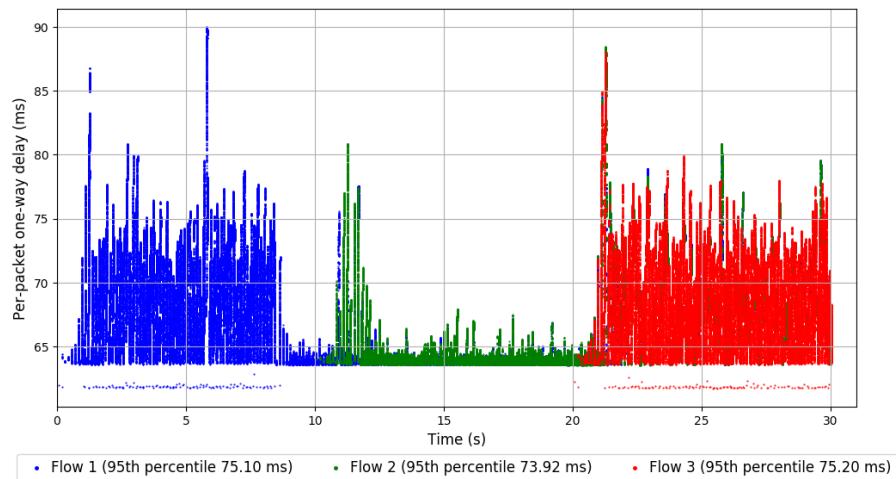
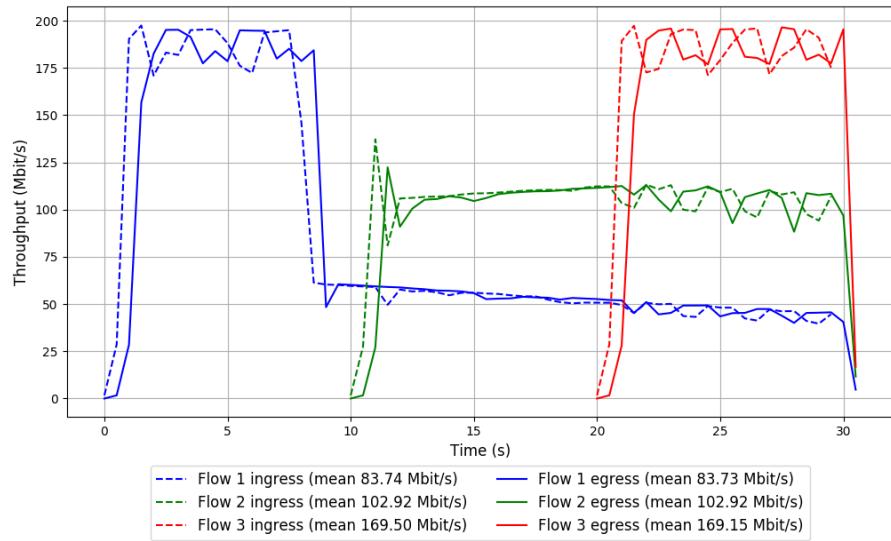


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-31 14:16:15
End at: 2018-05-31 14:16:45
Local clock offset: -0.019 ms
Remote clock offset: 0.171 ms

# Below is generated by plot.py at 2018-05-31 16:29:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 208.30 Mbit/s
95th percentile per-packet one-way delay: 74.883 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 75.103 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.92 Mbit/s
95th percentile per-packet one-way delay: 73.924 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.15 Mbit/s
95th percentile per-packet one-way delay: 75.200 ms
Loss rate: 0.19%
```

Run 10: Report of TCP Vegas — Data Link

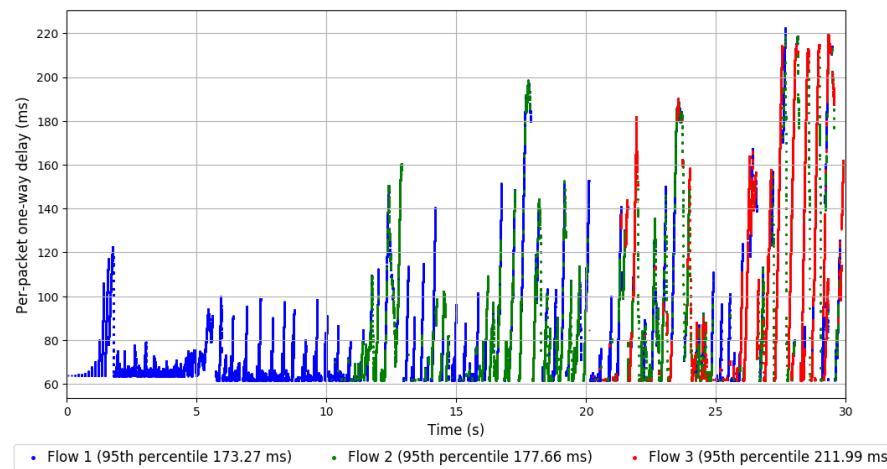
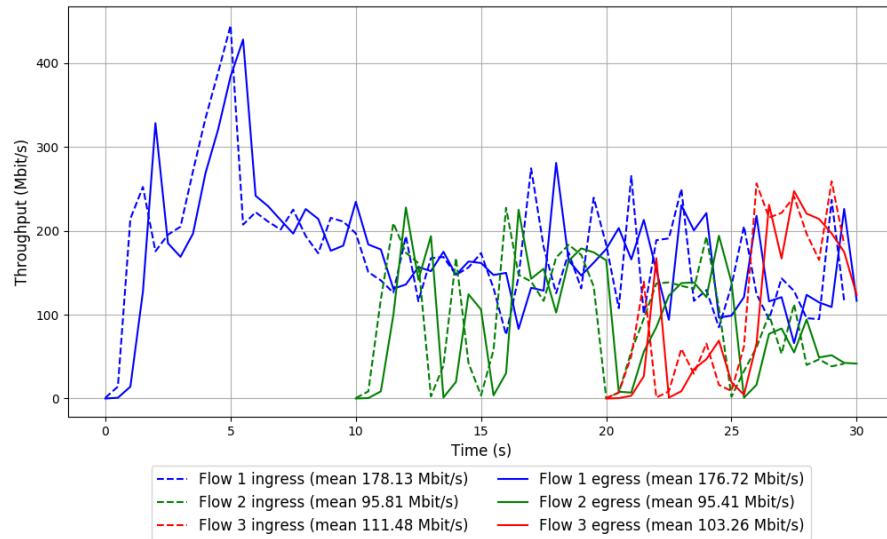


Run 1: Statistics of Verus

```
Start at: 2018-05-31 10:56:49
End at: 2018-05-31 10:57:19
Local clock offset: -0.47 ms
Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2018-05-31 16:31:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 273.18 Mbit/s
95th percentile per-packet one-way delay: 185.998 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 176.72 Mbit/s
95th percentile per-packet one-way delay: 173.274 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 177.663 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 103.26 Mbit/s
95th percentile per-packet one-way delay: 211.987 ms
Loss rate: 7.57%
```

Run 1: Report of Verus — Data Link

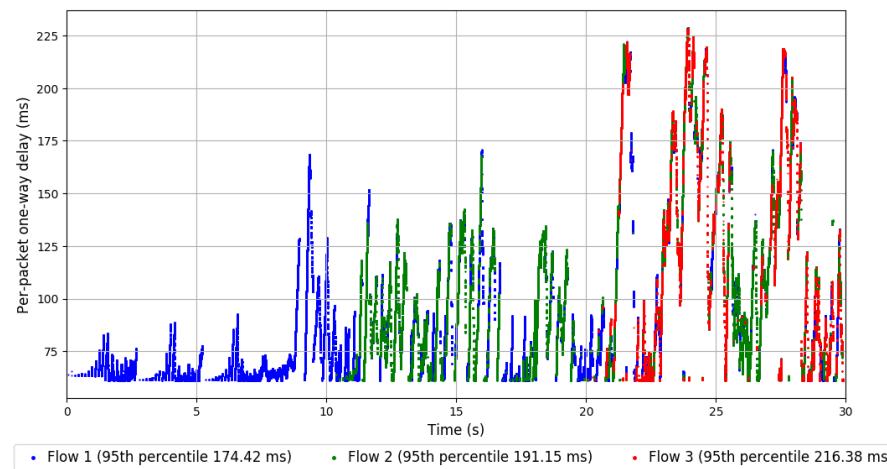
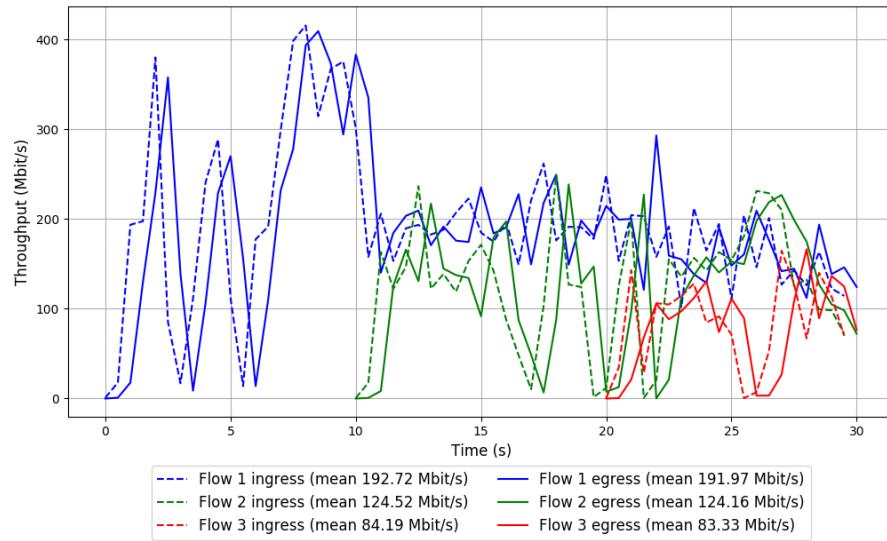


Run 2: Statistics of Verus

```
Start at: 2018-05-31 11:18:53
End at: 2018-05-31 11:19:23
Local clock offset: -0.572 ms
Remote clock offset: -0.231 ms

# Below is generated by plot.py at 2018-05-31 16:31:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.87 Mbit/s
95th percentile per-packet one-way delay: 188.164 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 191.97 Mbit/s
95th percentile per-packet one-way delay: 174.422 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 124.16 Mbit/s
95th percentile per-packet one-way delay: 191.145 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 216.380 ms
Loss rate: 1.06%
```

Run 2: Report of Verus — Data Link

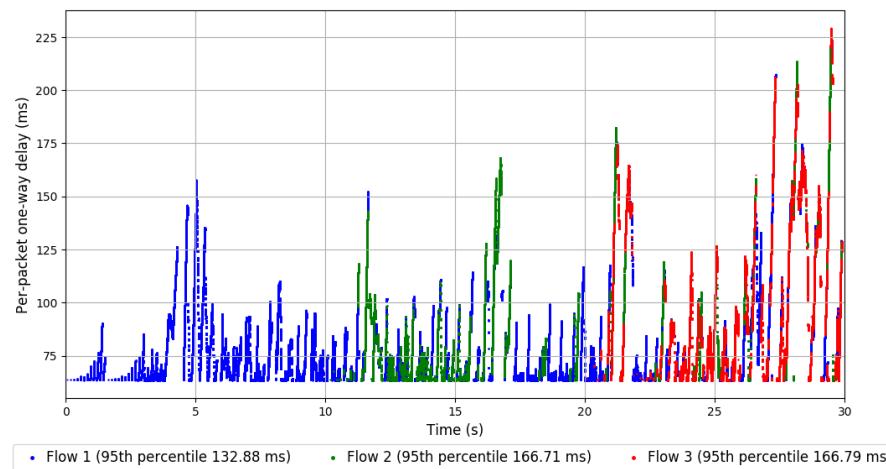
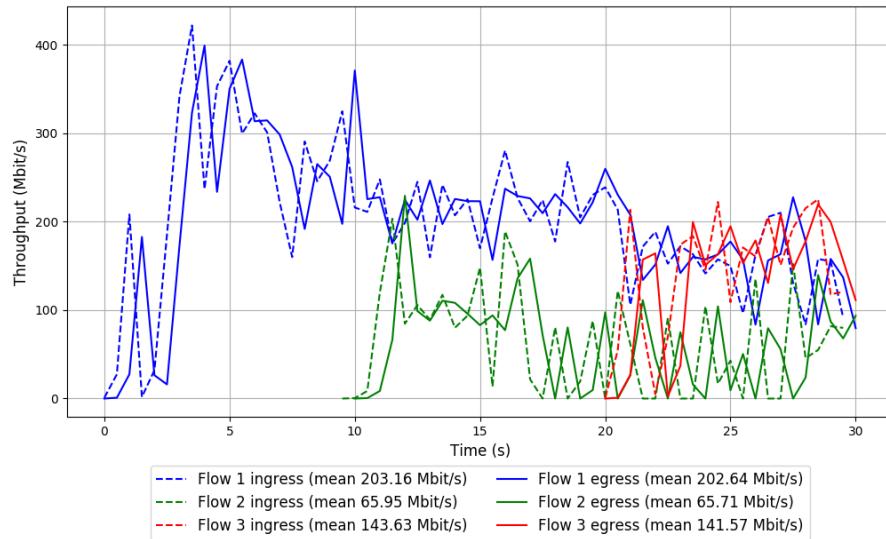


Run 3: Statistics of Verus

```
Start at: 2018-05-31 11:41:39
End at: 2018-05-31 11:42:09
Local clock offset: 0.014 ms
Remote clock offset: 0.239 ms

# Below is generated by plot.py at 2018-05-31 16:31:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.84 Mbit/s
95th percentile per-packet one-way delay: 153.096 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 202.64 Mbit/s
95th percentile per-packet one-way delay: 132.885 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 166.709 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 141.57 Mbit/s
95th percentile per-packet one-way delay: 166.791 ms
Loss rate: 1.42%
```

Run 3: Report of Verus — Data Link

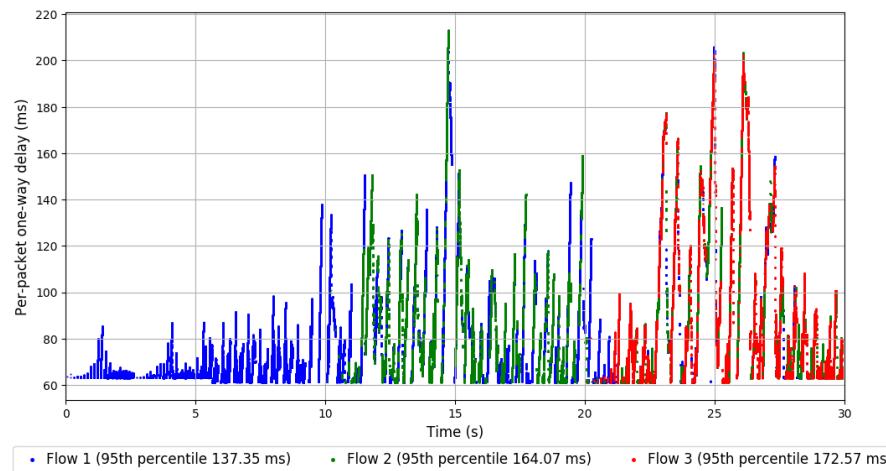
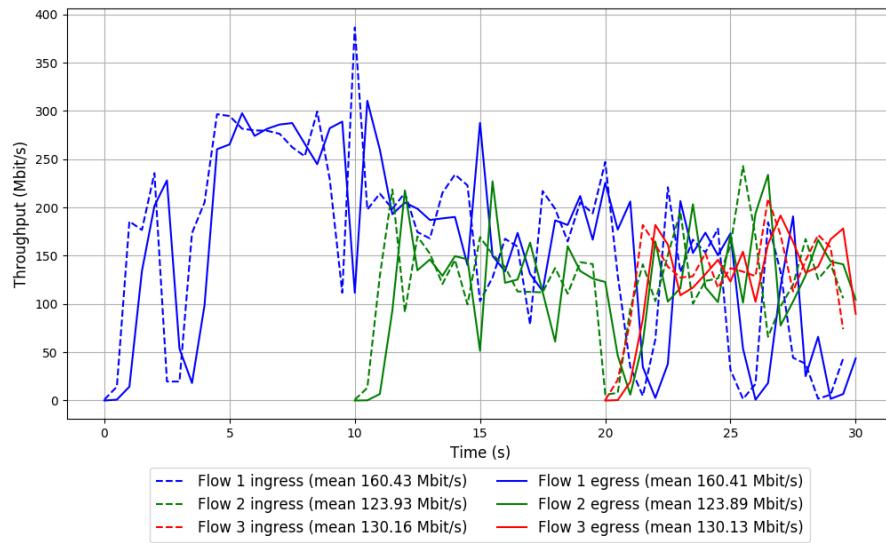


Run 4: Statistics of Verus

```
Start at: 2018-05-31 12:04:19
End at: 2018-05-31 12:04:49
Local clock offset: 0.076 ms
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2018-05-31 16:32:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 285.54 Mbit/s
95th percentile per-packet one-way delay: 151.530 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.41 Mbit/s
95th percentile per-packet one-way delay: 137.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.89 Mbit/s
95th percentile per-packet one-way delay: 164.075 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 130.13 Mbit/s
95th percentile per-packet one-way delay: 172.573 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

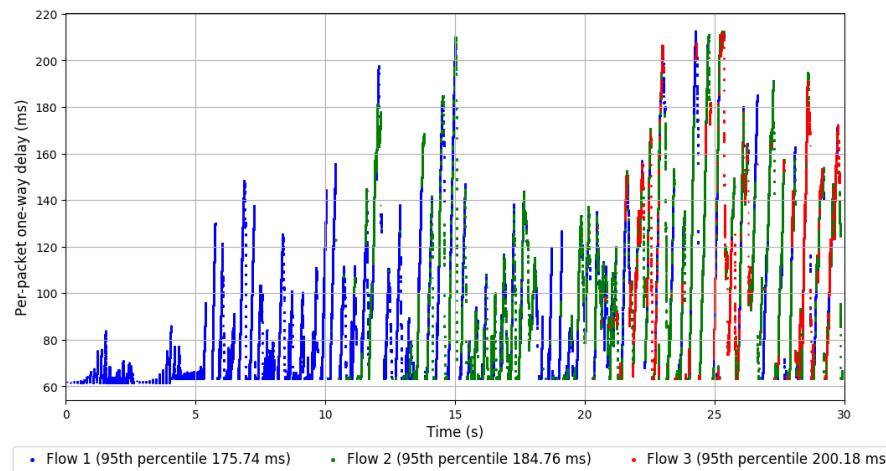
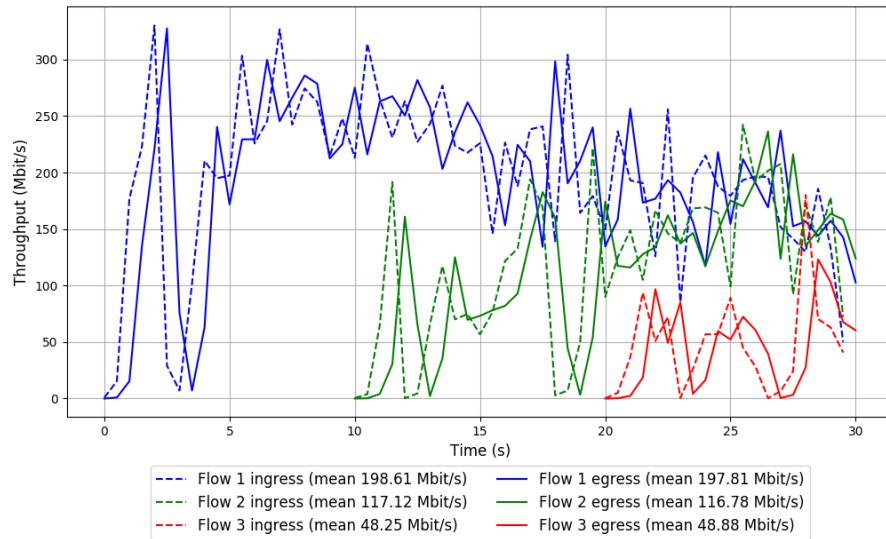


Run 5: Statistics of Verus

```
Start at: 2018-05-31 12:27:10
End at: 2018-05-31 12:27:40
Local clock offset: 0.034 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-31 16:32:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.26 Mbit/s
95th percentile per-packet one-way delay: 179.088 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 197.81 Mbit/s
95th percentile per-packet one-way delay: 175.739 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 116.78 Mbit/s
95th percentile per-packet one-way delay: 184.762 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 200.181 ms
Loss rate: 0.38%
```

Run 5: Report of Verus — Data Link

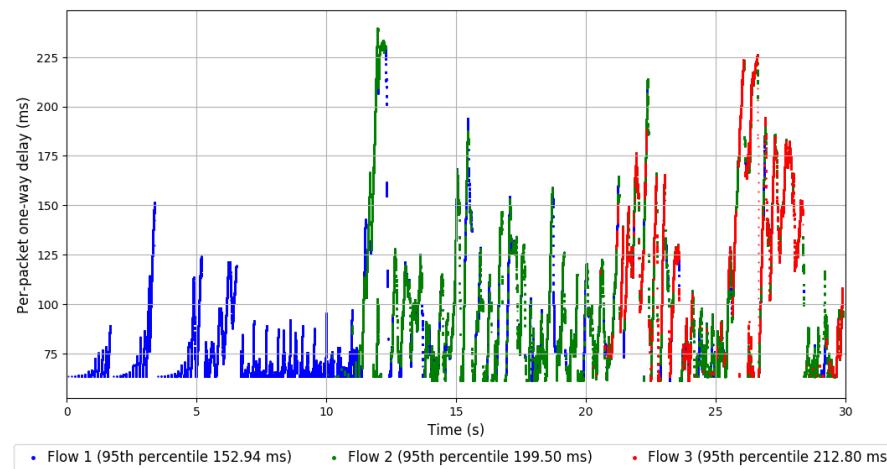
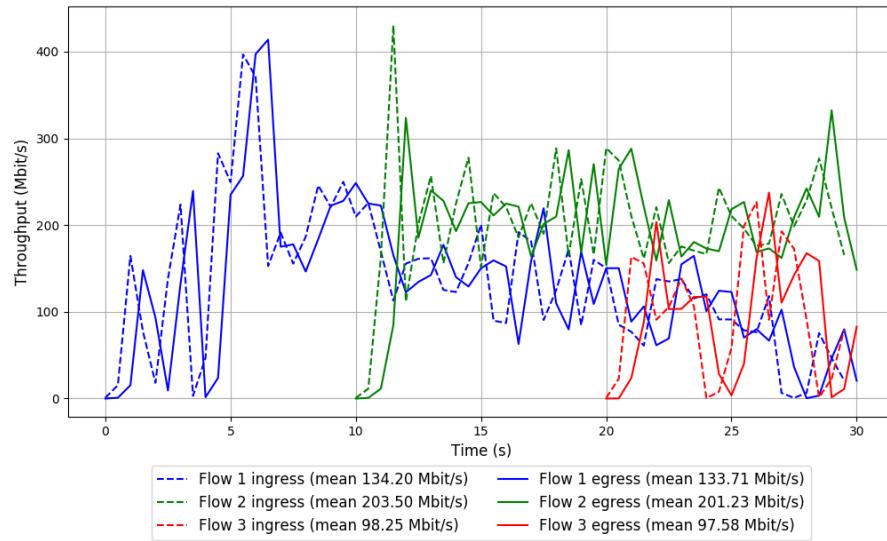


Run 6: Statistics of Verus

```
Start at: 2018-05-31 12:49:40
End at: 2018-05-31 12:50:10
Local clock offset: -0.025 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-05-31 16:33:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.29 Mbit/s
95th percentile per-packet one-way delay: 182.710 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 133.71 Mbit/s
95th percentile per-packet one-way delay: 152.944 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 201.23 Mbit/s
95th percentile per-packet one-way delay: 199.505 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 97.58 Mbit/s
95th percentile per-packet one-way delay: 212.797 ms
Loss rate: 1.33%
```

Run 6: Report of Verus — Data Link

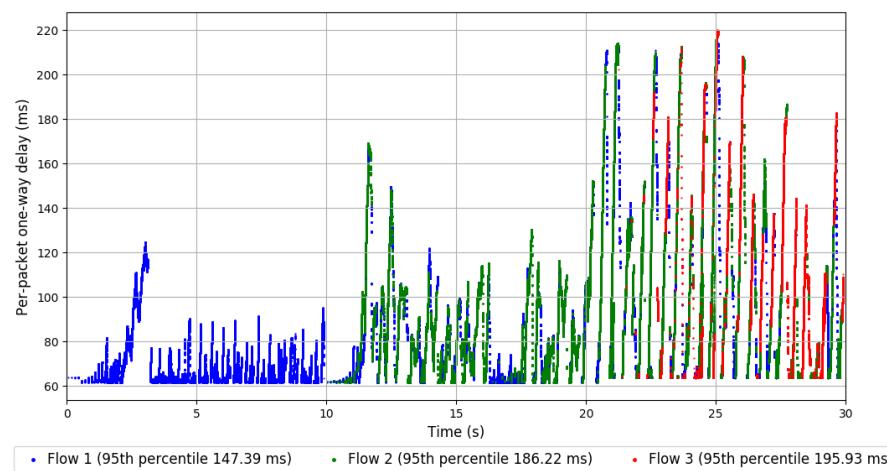
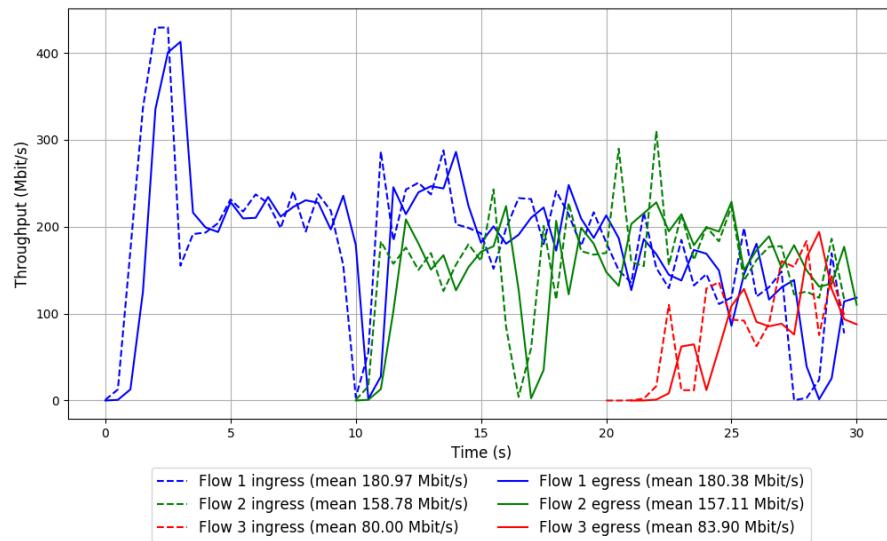


Run 7: Statistics of Verus

```
Start at: 2018-05-31 13:12:14
End at: 2018-05-31 13:12:44
Local clock offset: 0.019 ms
Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2018-05-31 16:34:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 309.15 Mbit/s
95th percentile per-packet one-way delay: 173.603 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 180.38 Mbit/s
95th percentile per-packet one-way delay: 147.394 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 157.11 Mbit/s
95th percentile per-packet one-way delay: 186.224 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 195.931 ms
Loss rate: 7.31%
```

Run 7: Report of Verus — Data Link

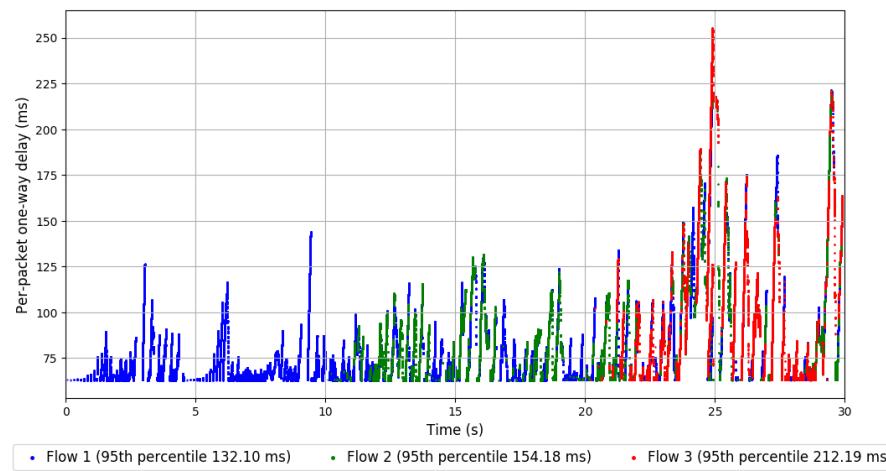
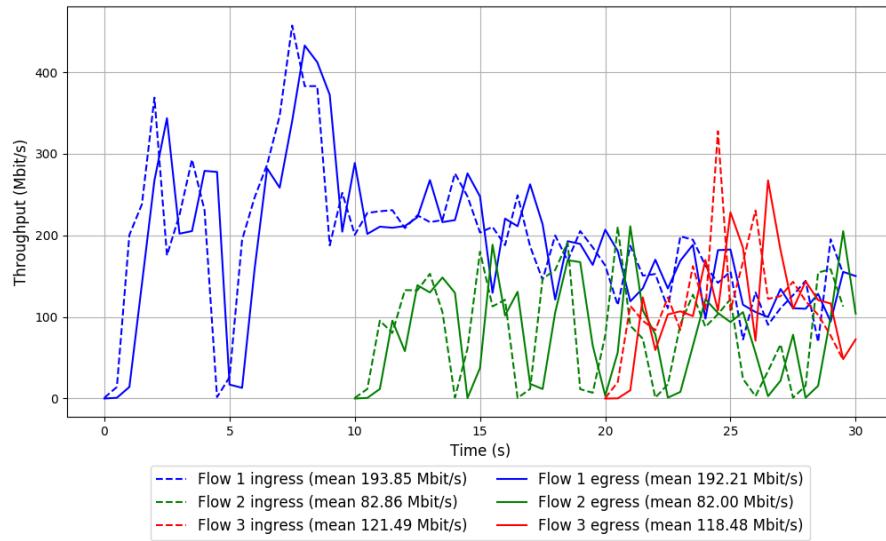


Run 8: Statistics of Verus

```
Start at: 2018-05-31 13:34:56
End at: 2018-05-31 13:35:26
Local clock offset: 0.01 ms
Remote clock offset: -0.326 ms

# Below is generated by plot.py at 2018-05-31 16:34:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 285.71 Mbit/s
95th percentile per-packet one-way delay: 151.826 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 192.21 Mbit/s
95th percentile per-packet one-way delay: 132.102 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 154.175 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 118.48 Mbit/s
95th percentile per-packet one-way delay: 212.192 ms
Loss rate: 1.50%
```

Run 8: Report of Verus — Data Link

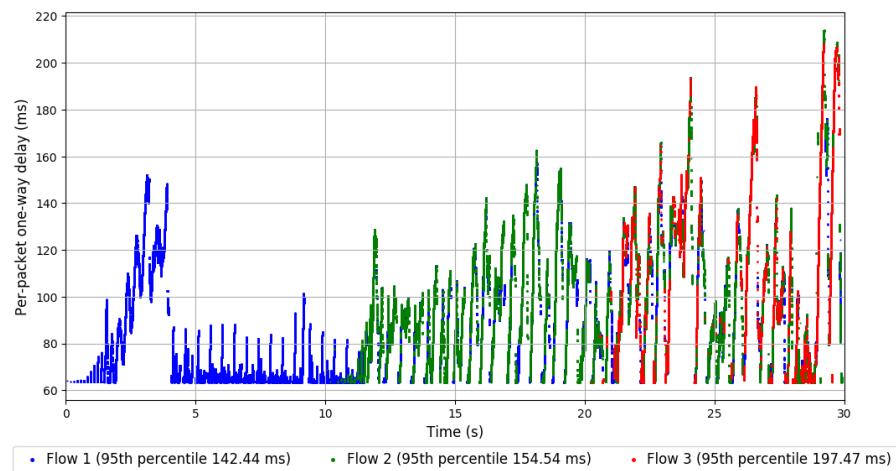
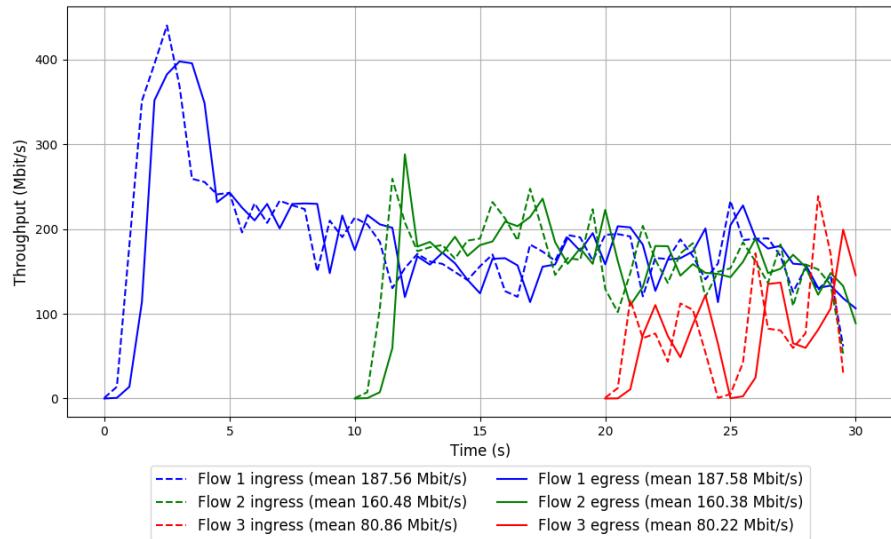


Run 9: Statistics of Verus

```
Start at: 2018-05-31 13:57:39
End at: 2018-05-31 13:58:09
Local clock offset: -0.02 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-05-31 16:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 320.12 Mbit/s
95th percentile per-packet one-way delay: 151.321 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 187.58 Mbit/s
95th percentile per-packet one-way delay: 142.435 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.38 Mbit/s
95th percentile per-packet one-way delay: 154.541 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 80.22 Mbit/s
95th percentile per-packet one-way delay: 197.474 ms
Loss rate: 0.13%
```

Run 9: Report of Verus — Data Link

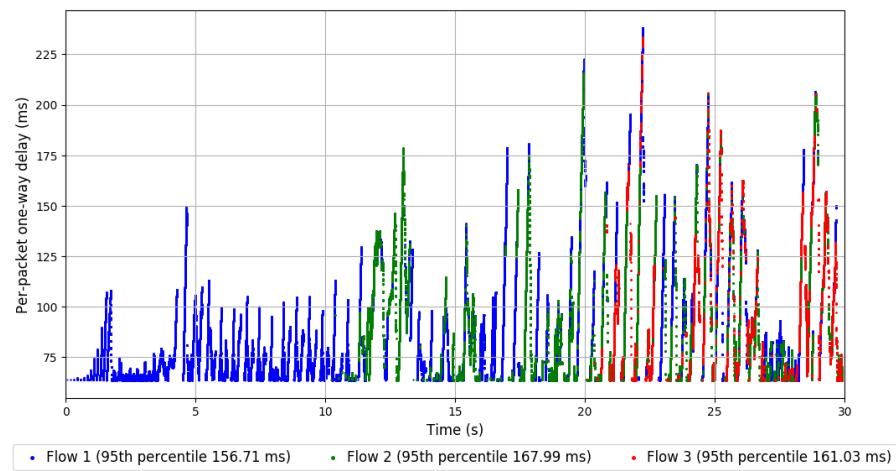
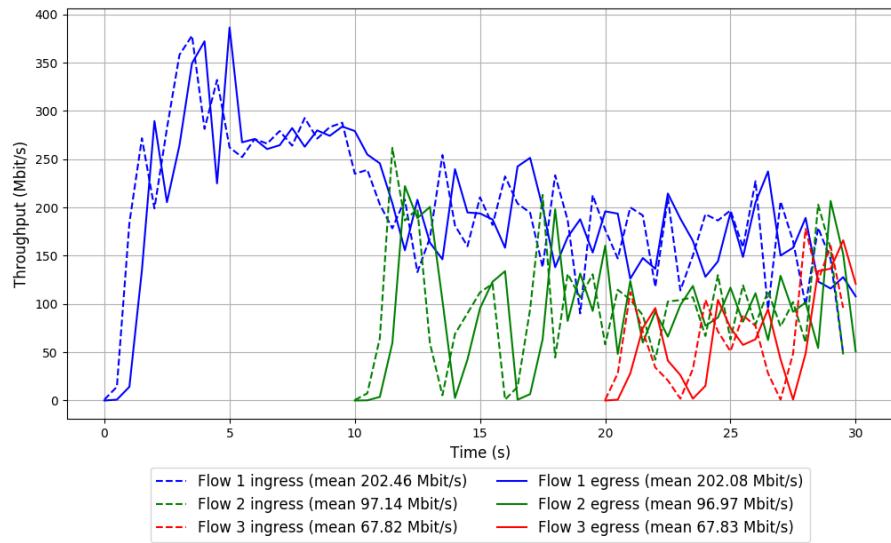


Run 10: Statistics of Verus

```
Start at: 2018-05-31 14:20:21
End at: 2018-05-31 14:20:51
Local clock offset: 0.033 ms
Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2018-05-31 16:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 288.74 Mbit/s
95th percentile per-packet one-way delay: 159.921 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 202.08 Mbit/s
95th percentile per-packet one-way delay: 156.709 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 167.994 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 161.029 ms
Loss rate: 0.05%
```

Run 10: Report of Verus — Data Link

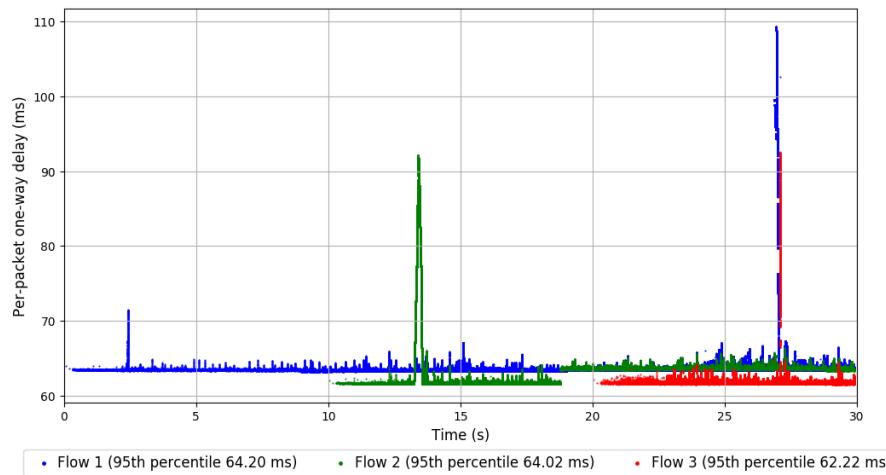
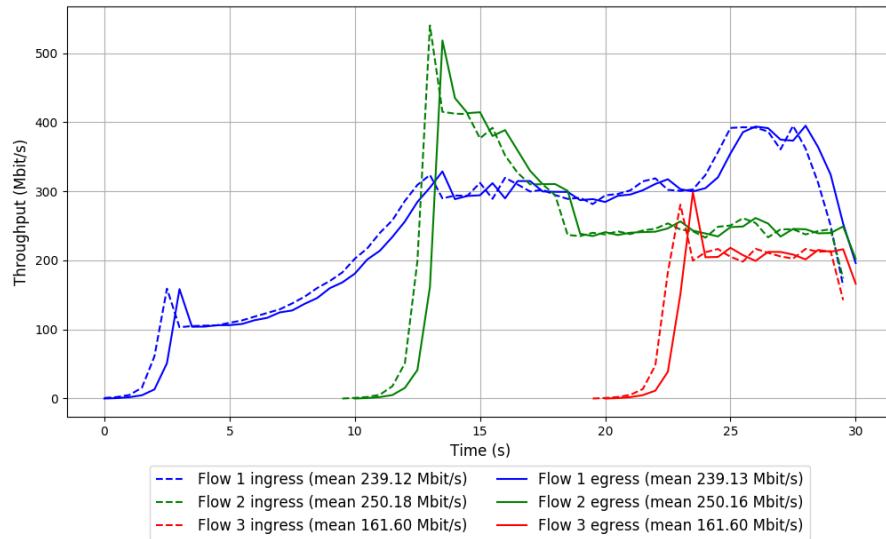


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-31 11:06:46
End at: 2018-05-31 11:07:16
Local clock offset: -0.526 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-05-31 16:39:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.11 Mbit/s
95th percentile per-packet one-way delay: 64.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.13 Mbit/s
95th percentile per-packet one-way delay: 64.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 250.16 Mbit/s
95th percentile per-packet one-way delay: 64.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.60 Mbit/s
95th percentile per-packet one-way delay: 62.221 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

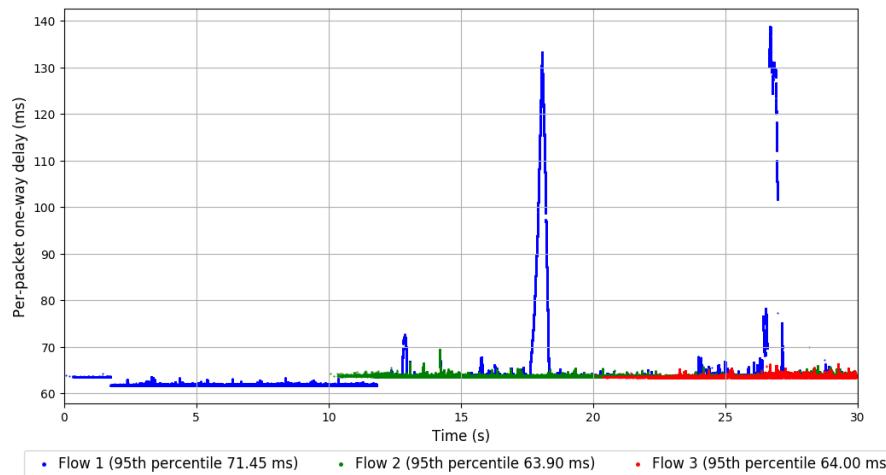
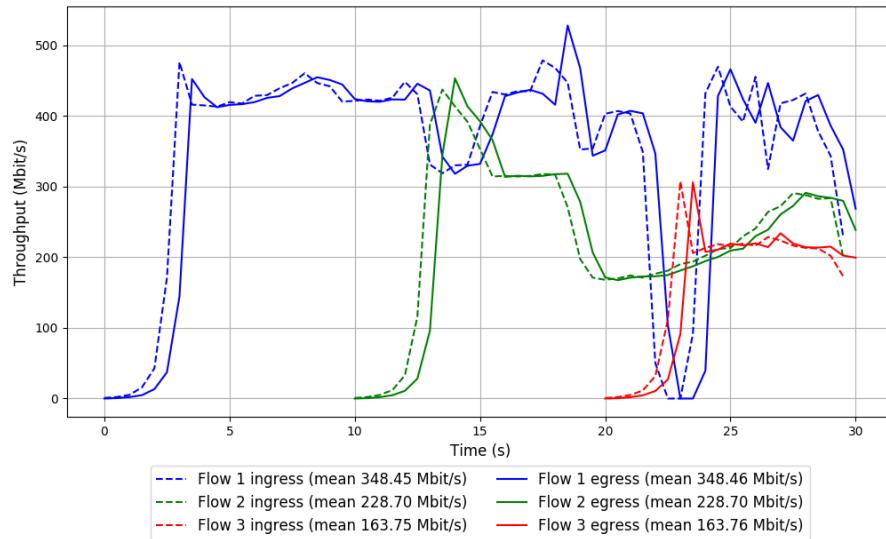


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-31 11:29:13
End at: 2018-05-31 11:29:43
Local clock offset: -0.279 ms
Remote clock offset: 0.143 ms

# Below is generated by plot.py at 2018-05-31 16:41:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 554.56 Mbit/s
95th percentile per-packet one-way delay: 65.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 348.46 Mbit/s
95th percentile per-packet one-way delay: 71.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.70 Mbit/s
95th percentile per-packet one-way delay: 63.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 163.76 Mbit/s
95th percentile per-packet one-way delay: 64.000 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

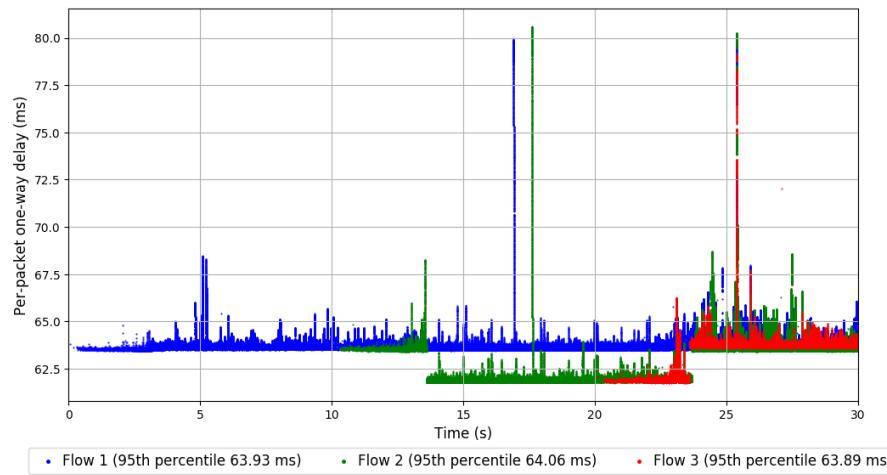
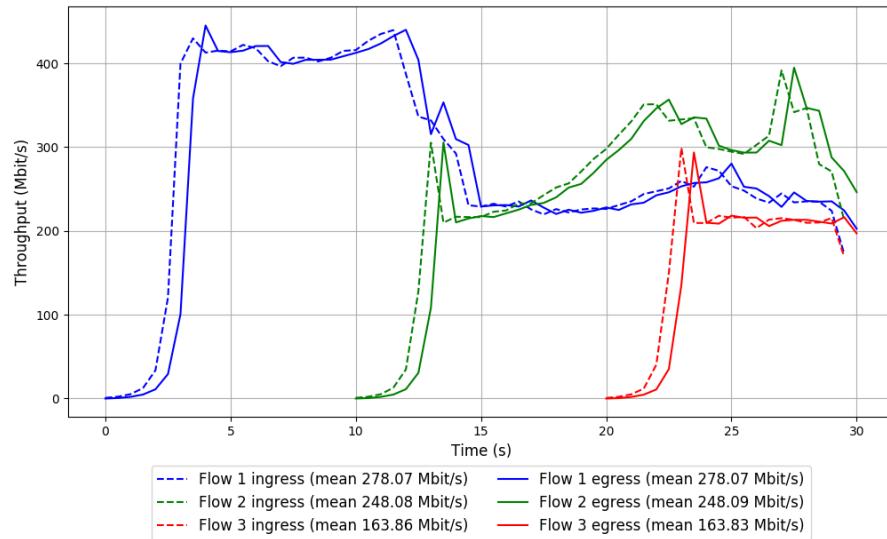


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-31 11:52:01
End at: 2018-05-31 11:52:31
Local clock offset: 0.094 ms
Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2018-05-31 16:41:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.08 Mbit/s
95th percentile per-packet one-way delay: 63.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 278.07 Mbit/s
95th percentile per-packet one-way delay: 63.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 248.09 Mbit/s
95th percentile per-packet one-way delay: 64.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 163.83 Mbit/s
95th percentile per-packet one-way delay: 63.894 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

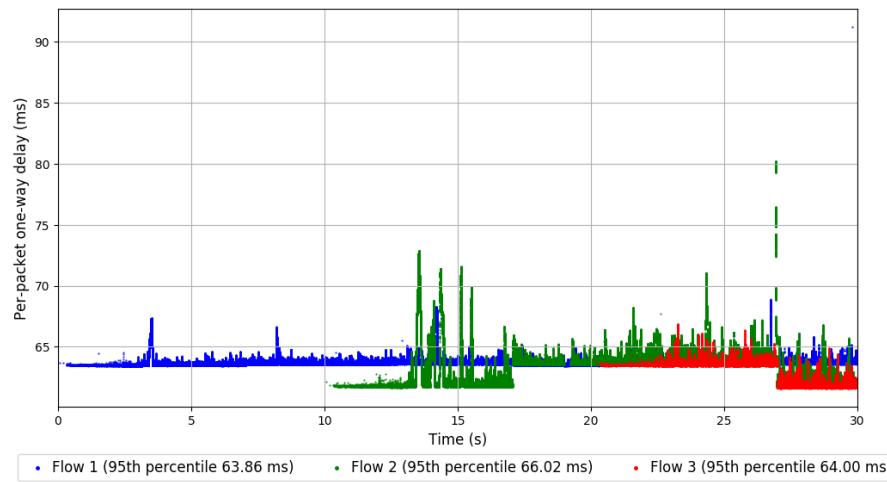
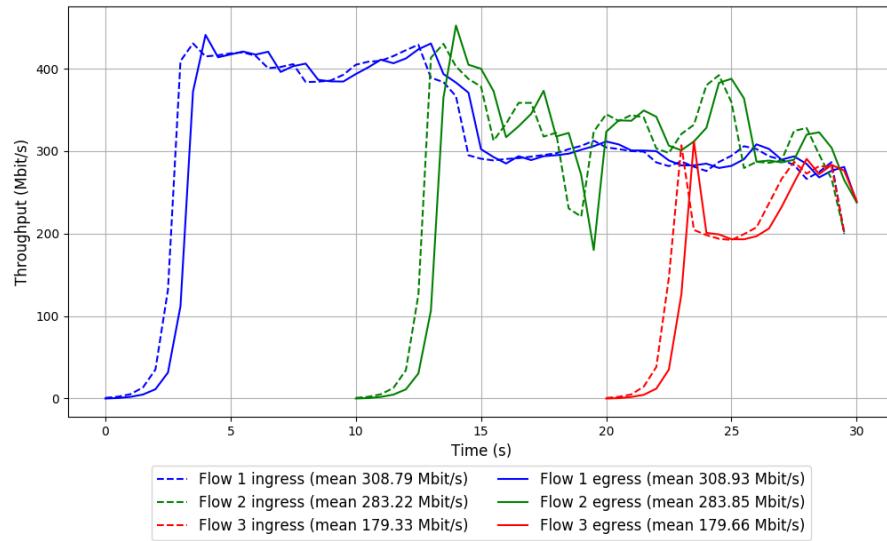


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-31 12:14:47
End at: 2018-05-31 12:15:17
Local clock offset: 0.042 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2018-05-31 16:43:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 556.85 Mbit/s
95th percentile per-packet one-way delay: 64.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 308.93 Mbit/s
95th percentile per-packet one-way delay: 63.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 283.85 Mbit/s
95th percentile per-packet one-way delay: 66.022 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.66 Mbit/s
95th percentile per-packet one-way delay: 63.996 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Vivace — Data Link

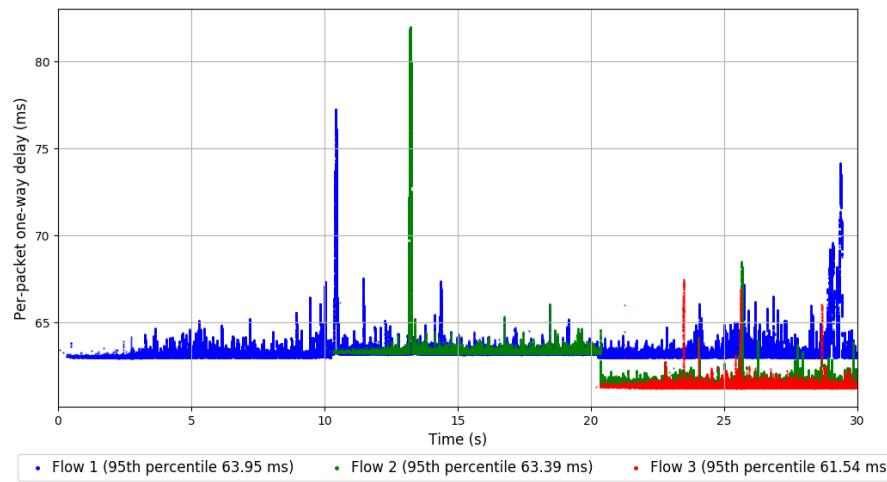
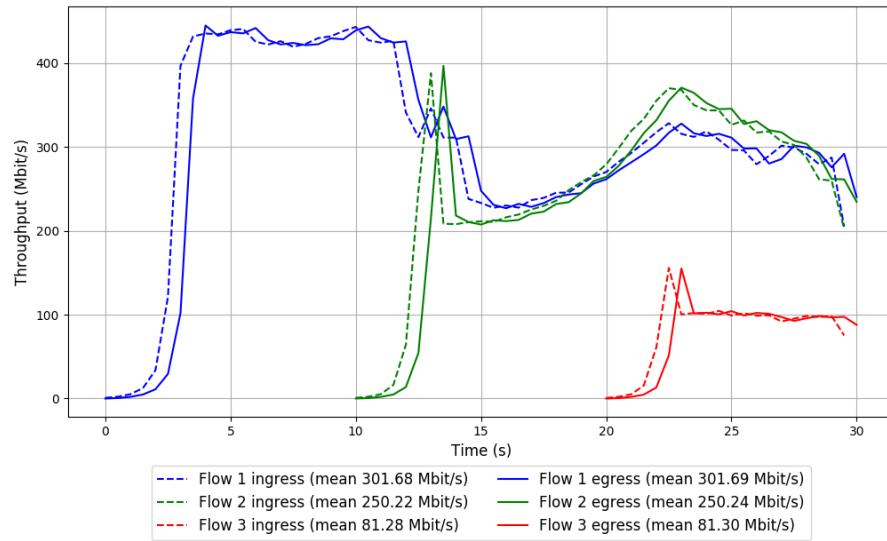


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-31 12:37:34
End at: 2018-05-31 12:38:04
Local clock offset: 0.022 ms
Remote clock offset: -0.289 ms

# Below is generated by plot.py at 2018-05-31 16:43:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 494.93 Mbit/s
95th percentile per-packet one-way delay: 63.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.69 Mbit/s
95th percentile per-packet one-way delay: 63.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 250.24 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: 61.539 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

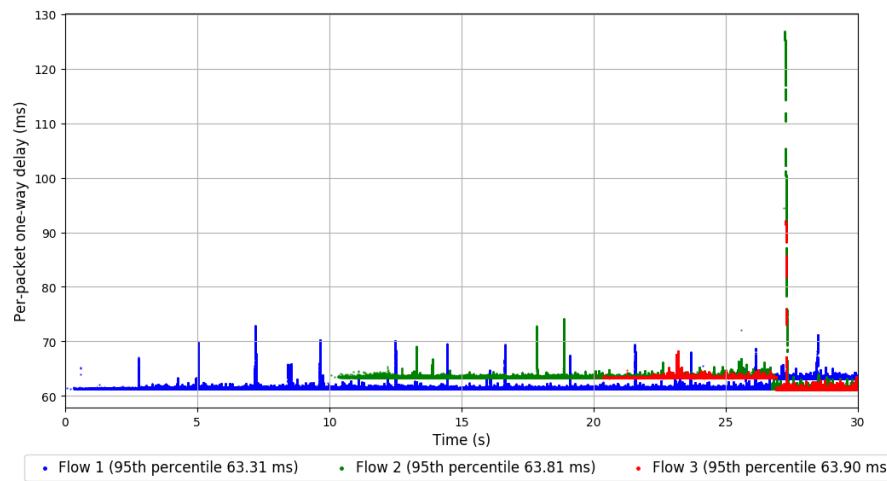
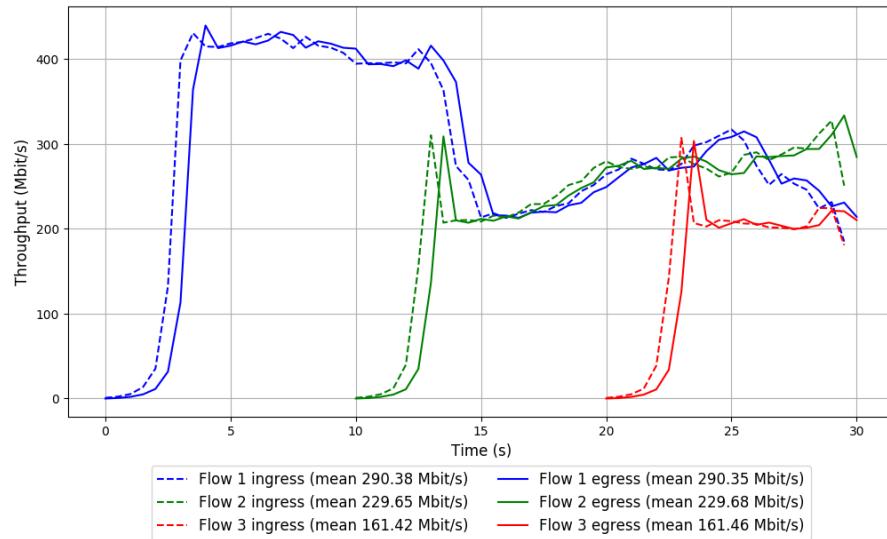


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-31 12:59:58
End at: 2018-05-31 13:00:28
Local clock offset: -0.04 ms
Remote clock offset: -0.275 ms

# Below is generated by plot.py at 2018-05-31 16:43:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.38 Mbit/s
95th percentile per-packet one-way delay: 63.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 290.35 Mbit/s
95th percentile per-packet one-way delay: 63.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 229.68 Mbit/s
95th percentile per-packet one-way delay: 63.814 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.46 Mbit/s
95th percentile per-packet one-way delay: 63.896 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

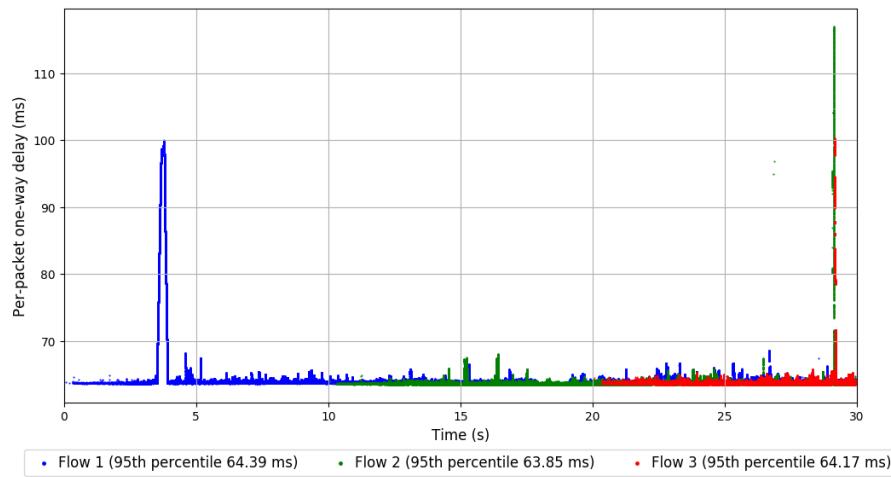
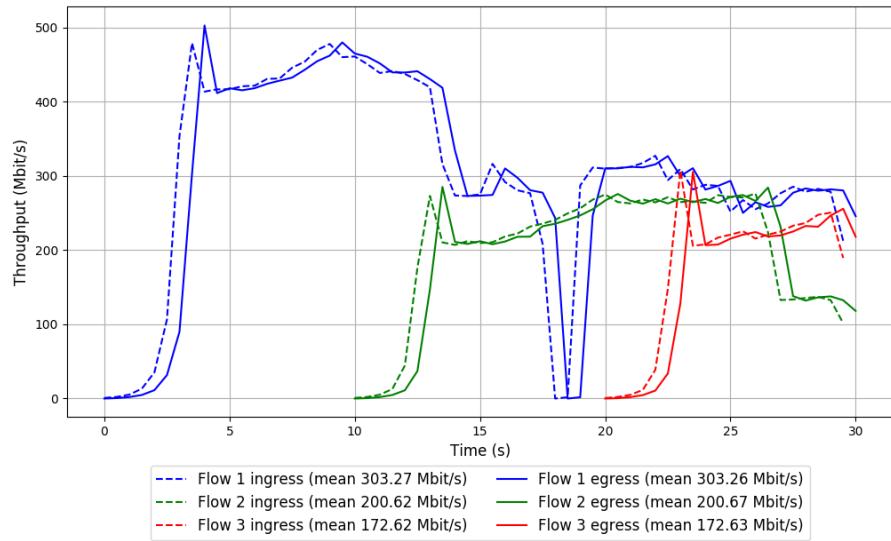


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-31 13:22:31
End at: 2018-05-31 13:23:01
Local clock offset: 0.005 ms
Remote clock offset: 0.155 ms

# Below is generated by plot.py at 2018-05-31 16:44:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.68 Mbit/s
95th percentile per-packet one-way delay: 64.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 303.26 Mbit/s
95th percentile per-packet one-way delay: 64.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.67 Mbit/s
95th percentile per-packet one-way delay: 63.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 172.63 Mbit/s
95th percentile per-packet one-way delay: 64.174 ms
Loss rate: 0.02%
```

Run 7: Report of PCC-Vivace — Data Link

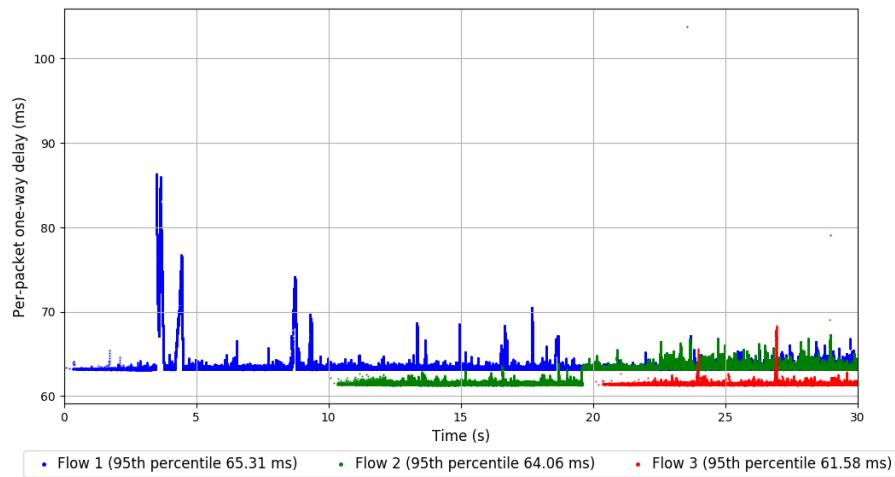
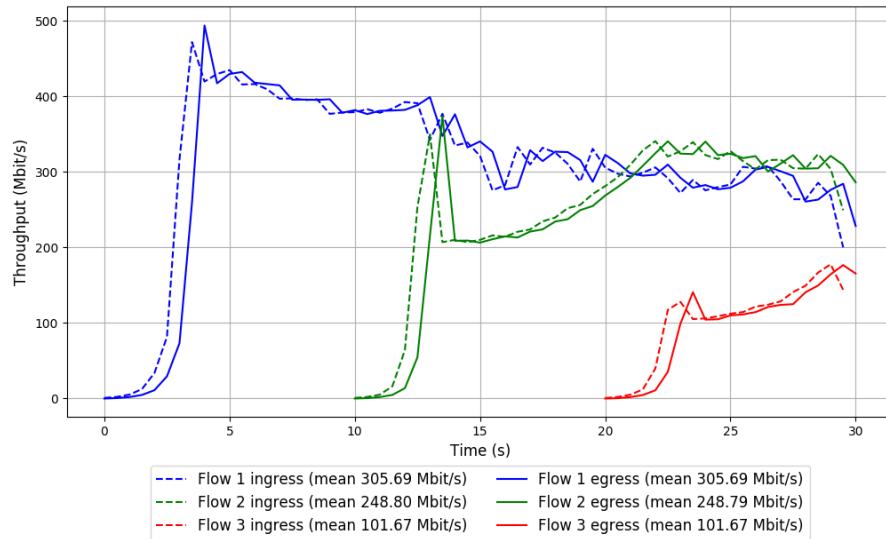


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-31 13:45:15
End at: 2018-05-31 13:45:45
Local clock offset: 0.013 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2018-05-31 16:44:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 504.67 Mbit/s
95th percentile per-packet one-way delay: 64.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 305.69 Mbit/s
95th percentile per-packet one-way delay: 65.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 248.79 Mbit/s
95th percentile per-packet one-way delay: 64.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 101.67 Mbit/s
95th percentile per-packet one-way delay: 61.579 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

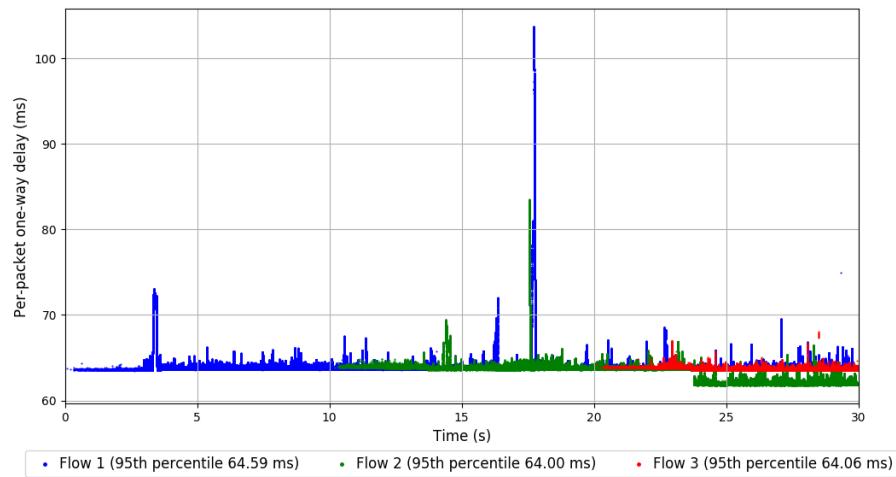
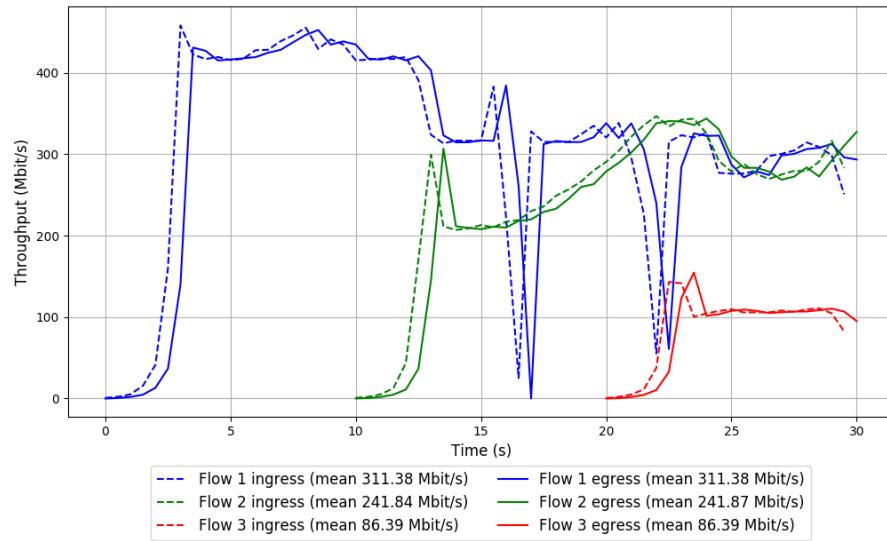


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-31 14:08:01
End at: 2018-05-31 14:08:31
Local clock offset: 0.029 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2018-05-31 16:44:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 500.68 Mbit/s
95th percentile per-packet one-way delay: 64.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 311.38 Mbit/s
95th percentile per-packet one-way delay: 64.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 241.87 Mbit/s
95th percentile per-packet one-way delay: 63.997 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 64.058 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

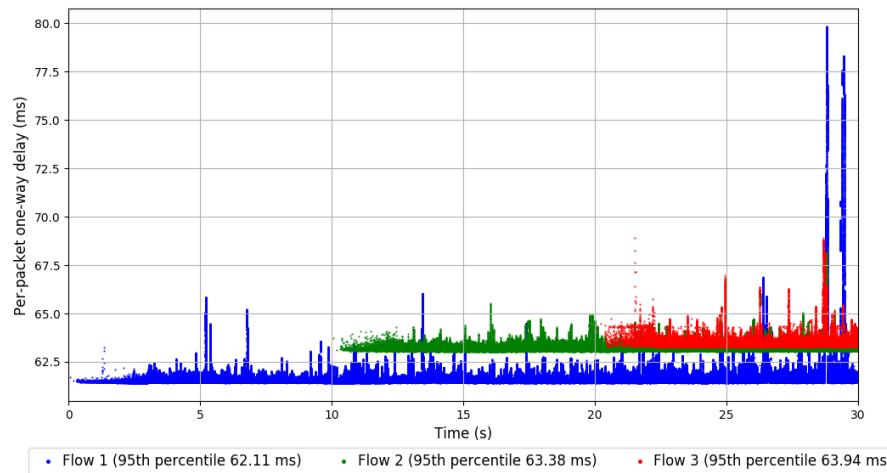
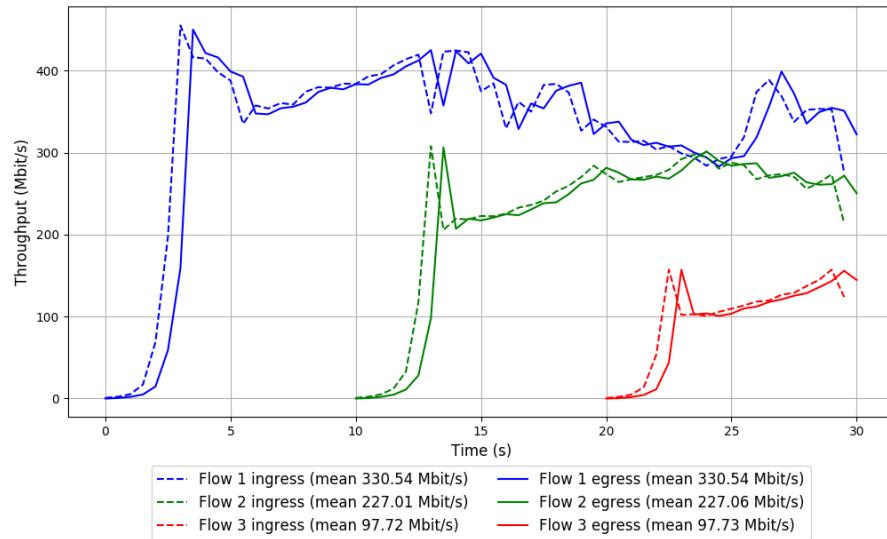


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-31 14:30:45
End at: 2018-05-31 14:31:15
Local clock offset: -0.011 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 513.71 Mbit/s
95th percentile per-packet one-way delay: 63.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 330.54 Mbit/s
95th percentile per-packet one-way delay: 62.106 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 227.06 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 97.73 Mbit/s
95th percentile per-packet one-way delay: 63.942 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link

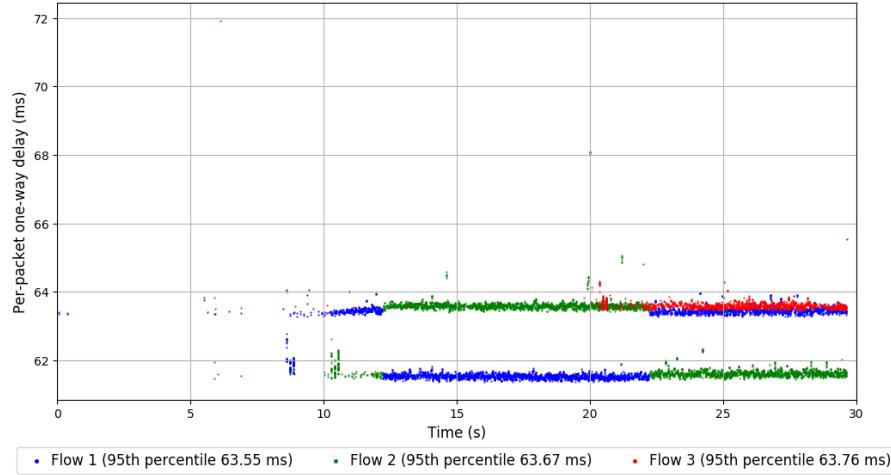
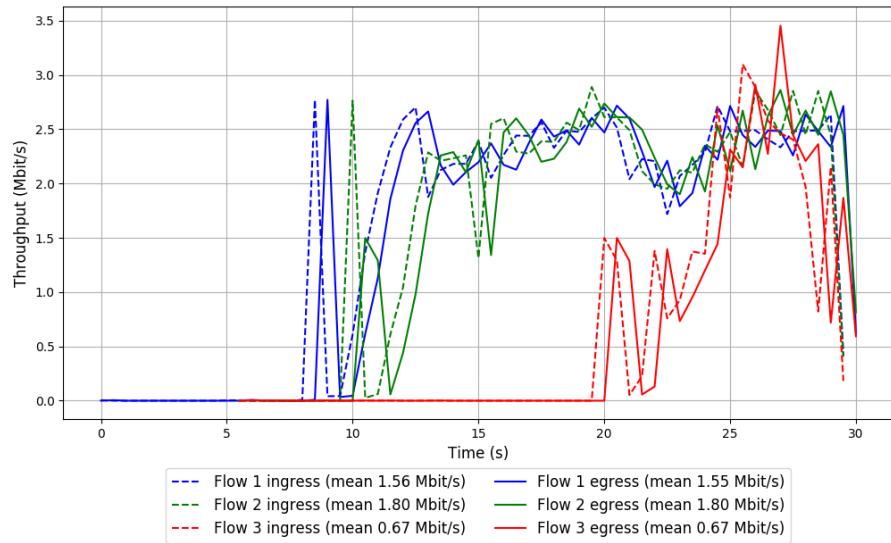


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-31 11:12:12
End at: 2018-05-31 11:12:42
Local clock offset: -0.55 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 63.673 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 63.548 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 63.674 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 63.757 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

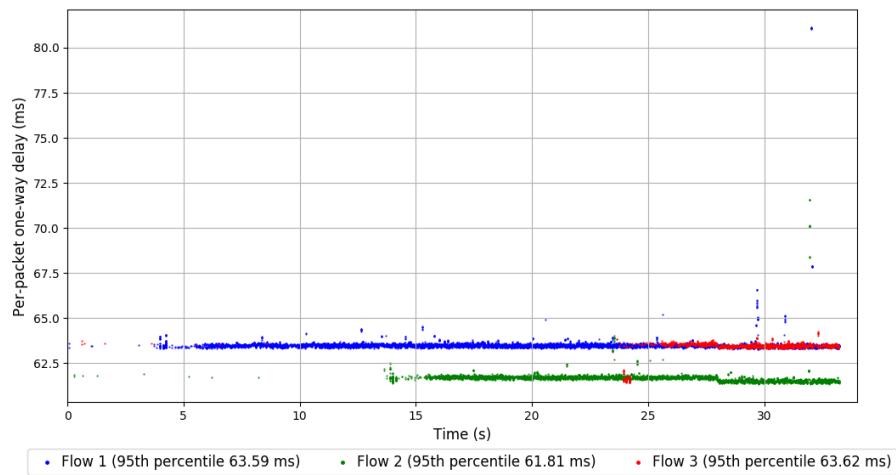
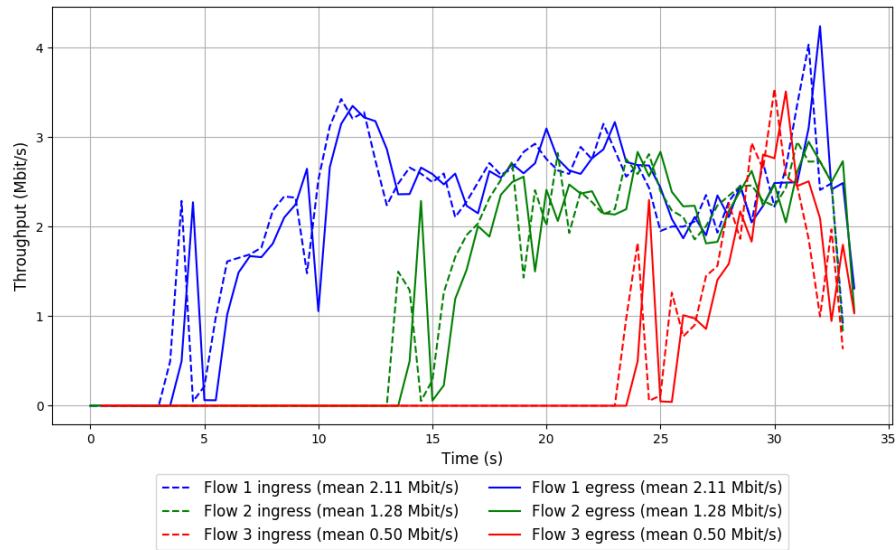


```
Run 2: Statistics of WebRTC media

Start at: 2018-05-31 11:34:50
End at: 2018-05-31 11:35:20
Local clock offset: -0.067 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 63.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 63.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 61.806 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 63.617 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

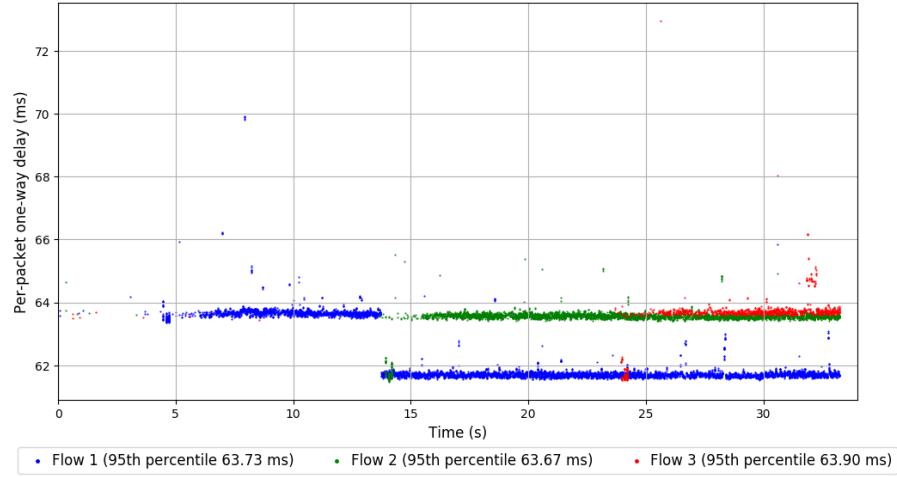
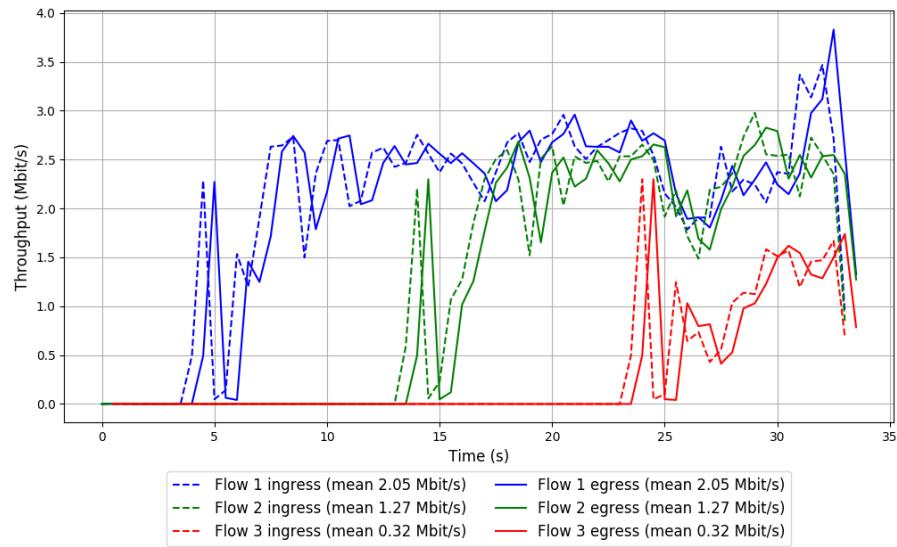


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-31 11:57:34
End at: 2018-05-31 11:58:04
Local clock offset: 0.15 ms
Remote clock offset: 0.137 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 63.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 63.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 63.674 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 63.898 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

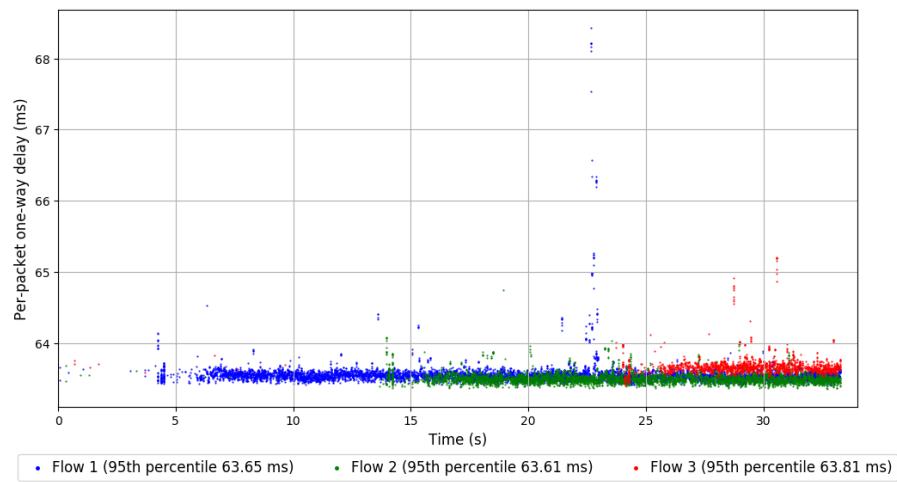
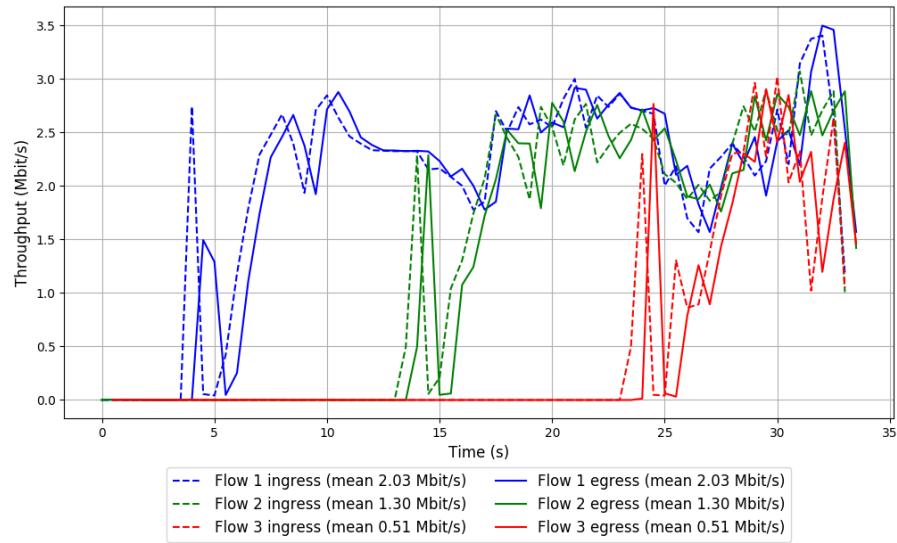


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-31 12:20:31
End at: 2018-05-31 12:21:01
Local clock offset: 0.04 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 63.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 63.646 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 63.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 63.808 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

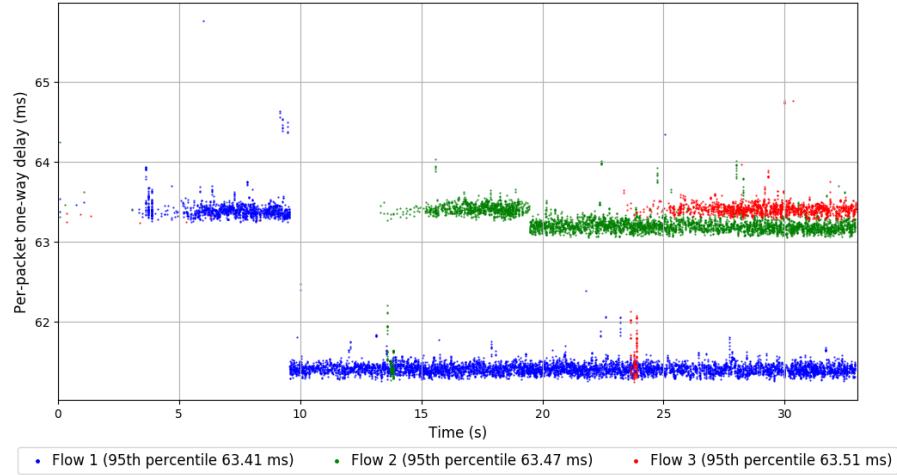
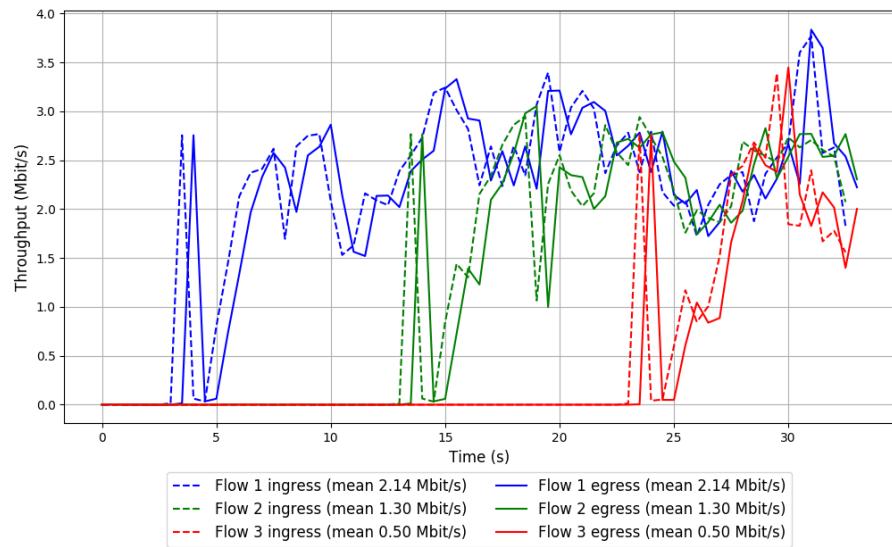


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-31 12:43:08
End at: 2018-05-31 12:43:38
Local clock offset: -0.004 ms
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 63.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 63.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 63.468 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 63.512 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

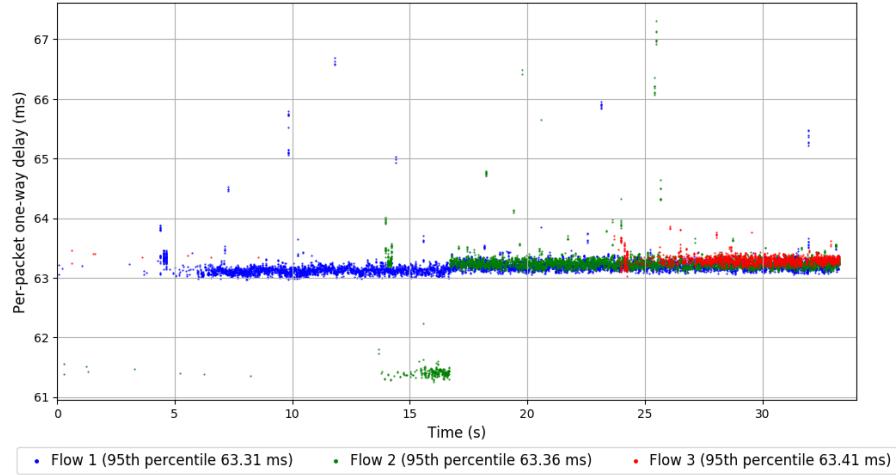
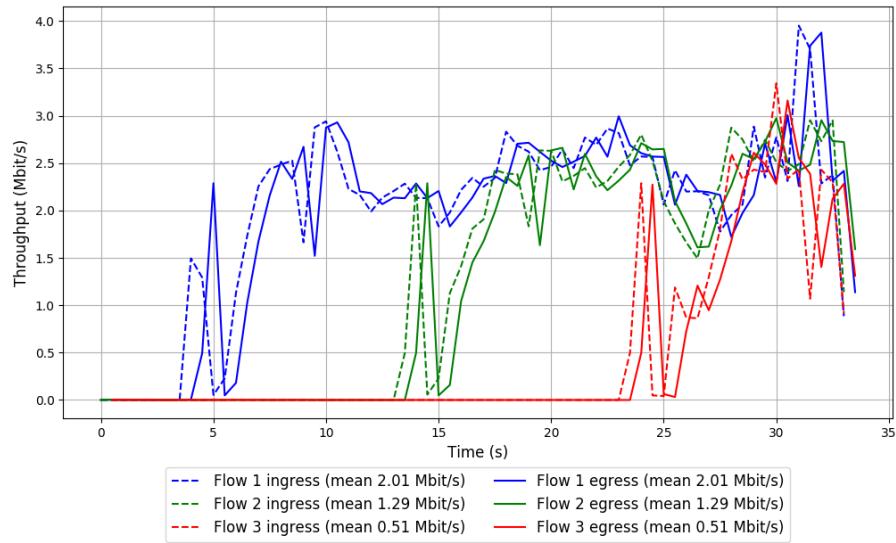


```
Run 6: Statistics of WebRTC media

Start at: 2018-05-31 13:05:31
End at: 2018-05-31 13:06:01
Local clock offset: 0.02 ms
Remote clock offset: -0.291 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 63.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 63.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 63.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 63.407 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

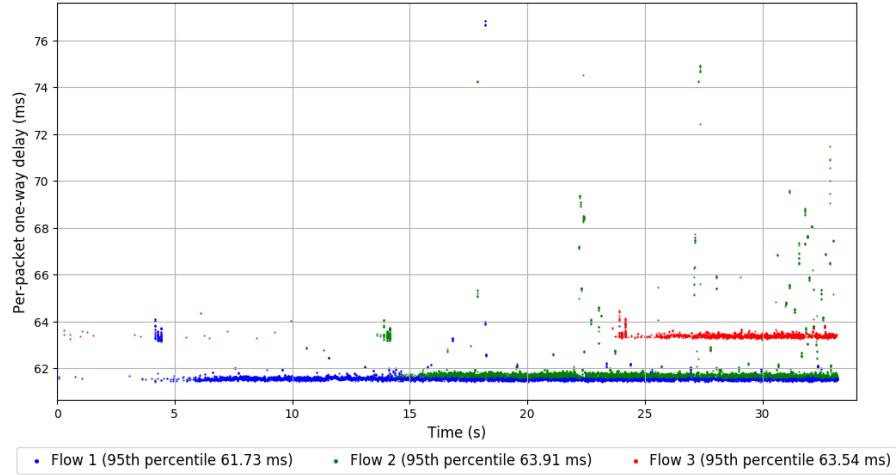
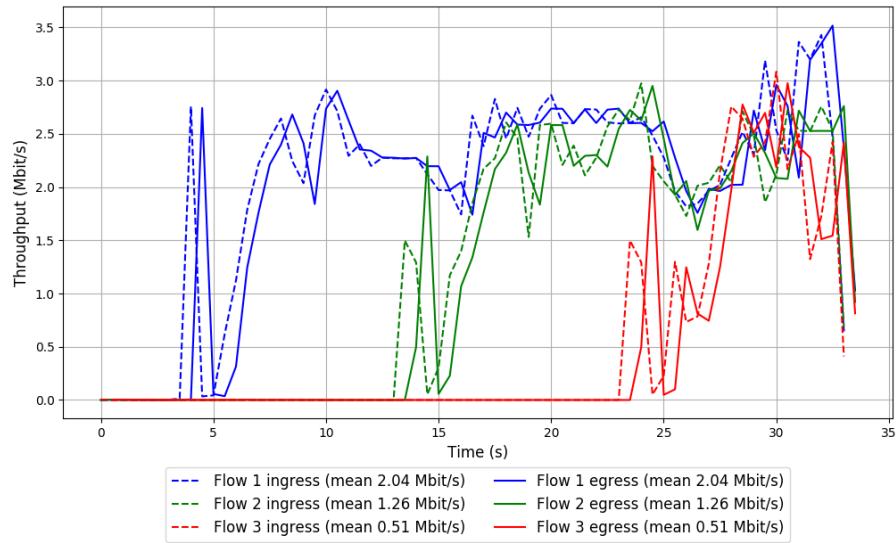


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-31 13:28:04
End at: 2018-05-31 13:28:34
Local clock offset: -0.021 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 63.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 63.907 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 63.541 ms
Loss rate: 0.01%
```

Run 7: Report of WebRTC media — Data Link

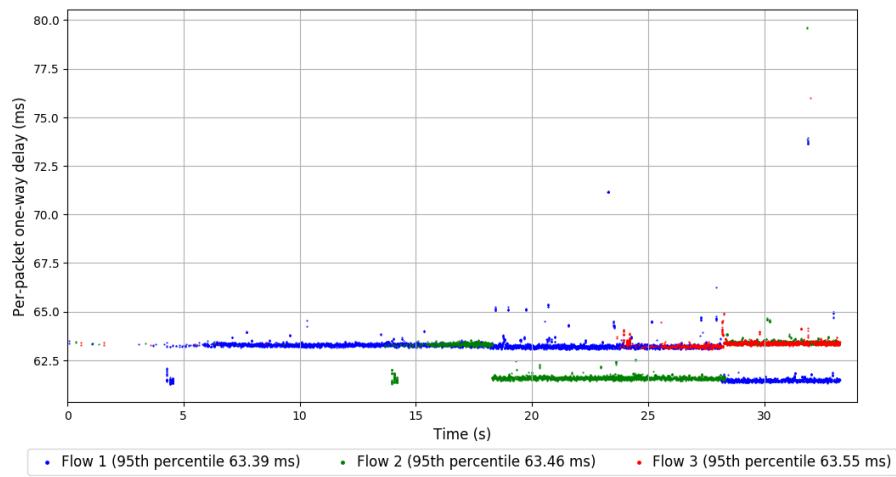
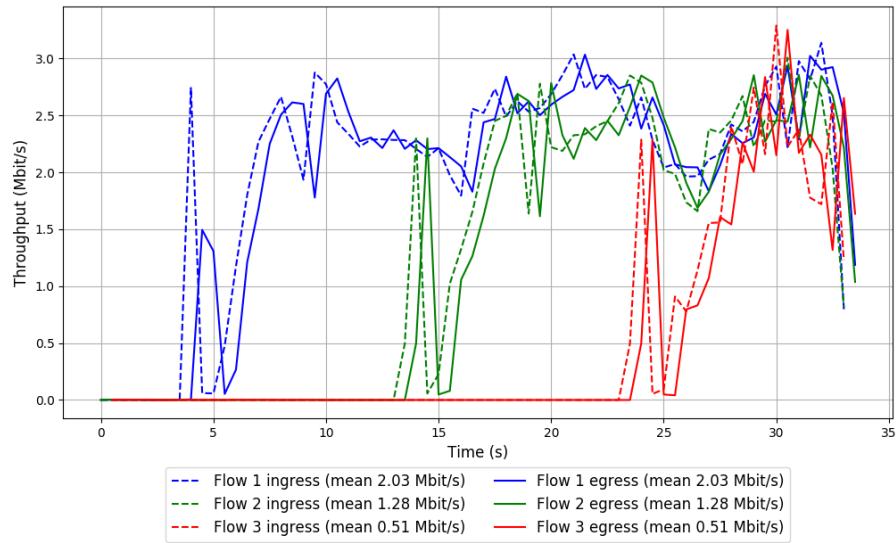


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-31 13:50:50
End at: 2018-05-31 13:51:20
Local clock offset: 0.029 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 63.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 63.389 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 63.462 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 63.555 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

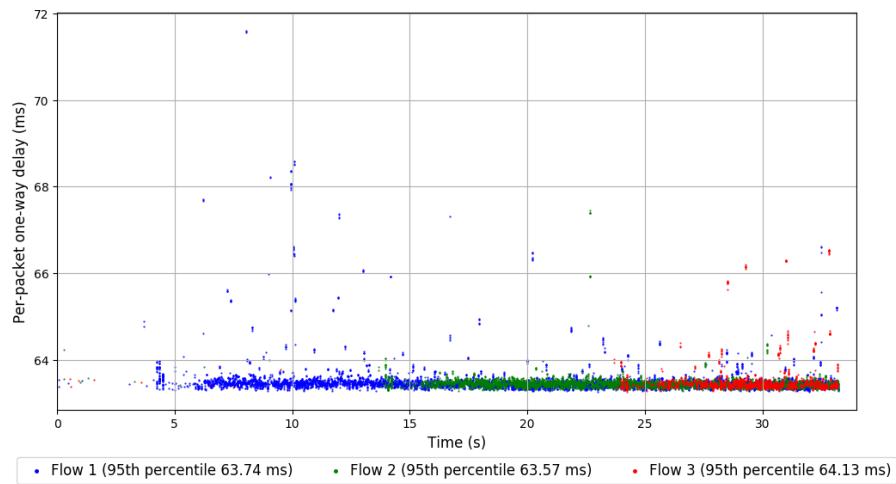
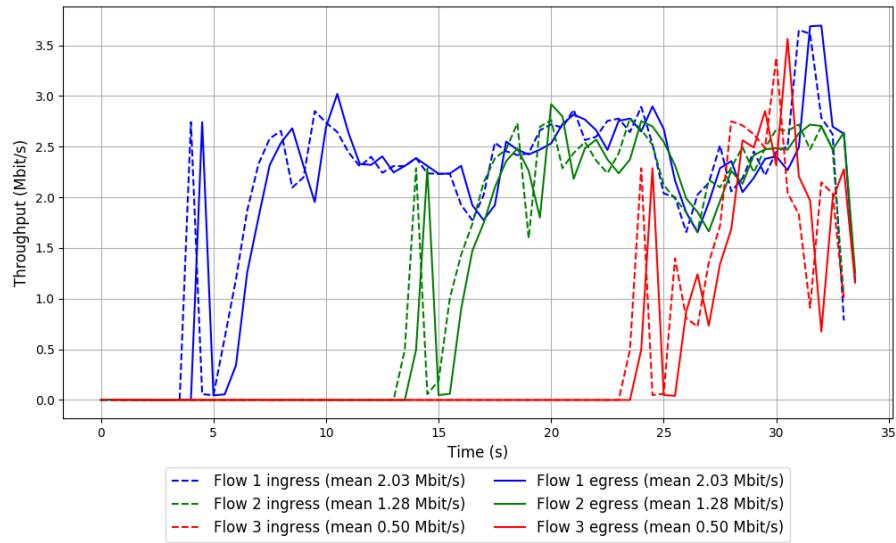


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-31 14:13:34
End at: 2018-05-31 14:14:04
Local clock offset: 0.014 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 63.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 63.744 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 63.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 64.128 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-31 14:36:19
End at: 2018-05-31 14:36:49
Local clock offset: -0.059 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-05-31 16:45:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 63.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 63.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 63.780 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

