

Pantheon Report

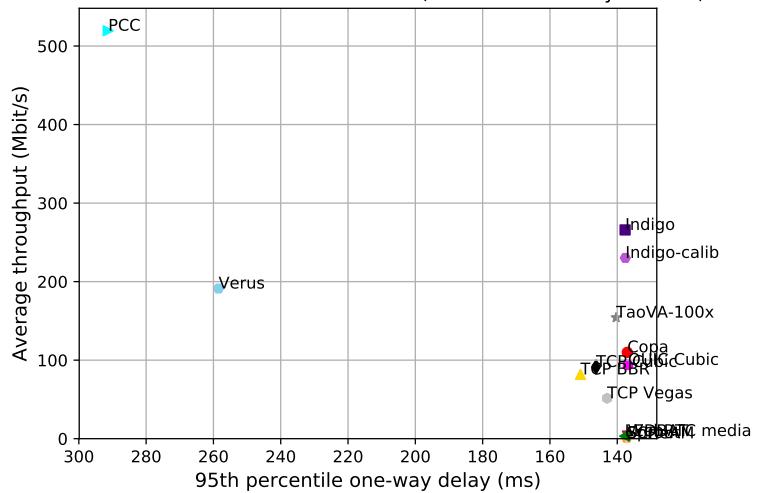
Generated at 2017-12-01 14:51:03 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 14 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

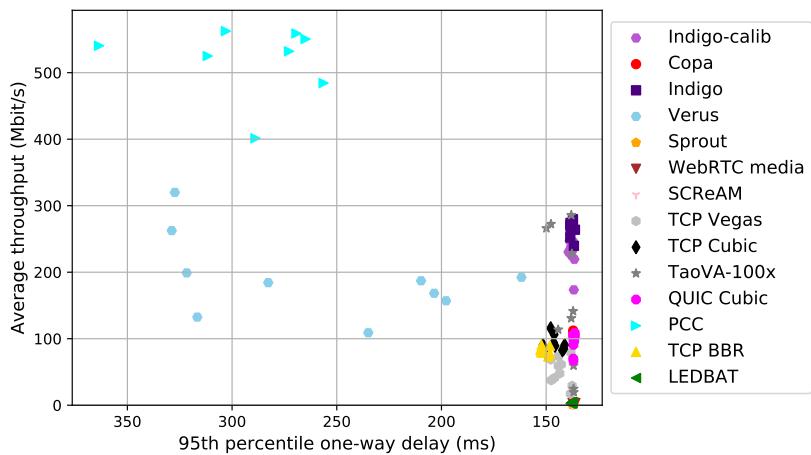
Git summary:

```
branch: indigos @ e3a57ad5ac5cfccaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfe446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bf7e49737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE Sydney Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



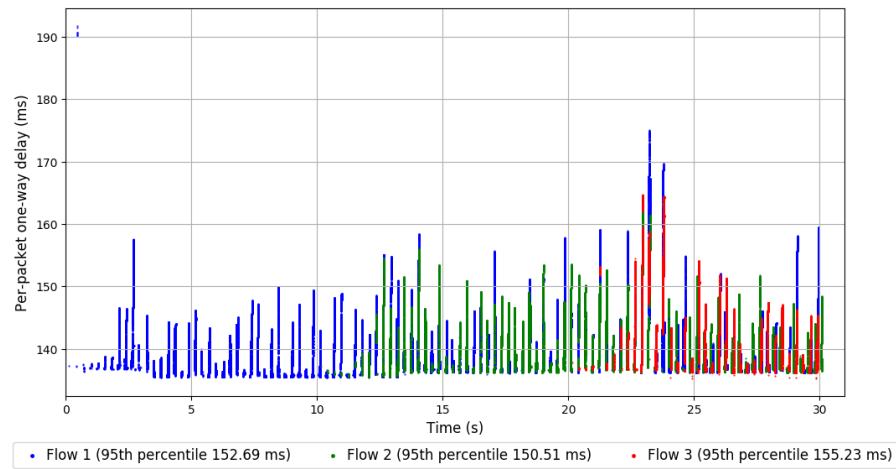
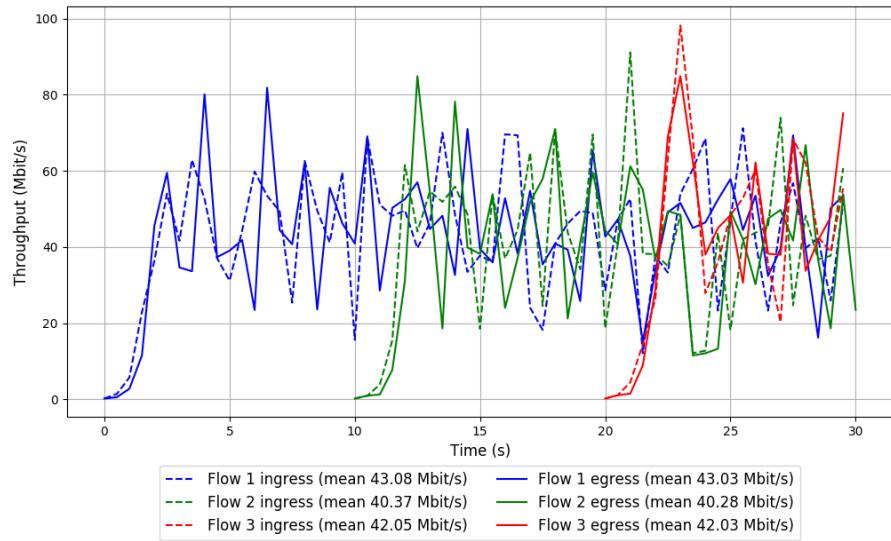
| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 39.55 | 43.57 | 40.93 | 151.26 | 150.78 | 150.50 | 0.29 | 0.42 | 0.02 |
| TCP Cubic | 10 | 40.10 | 55.63 | 43.22 | 142.82 | 146.18 | 147.98 | 0.23 | 0.13 | 0.46 |
| LEDBAT | 10 | 2.07 | 1.52 | 0.78 | 137.93 | 137.64 | 137.45 | 0.91 | 0.47 | 0.32 |
| PCC | 8 | 368.33 | 190.77 | 53.80 | 292.18 | 248.38 | 243.72 | 5.03 | 2.37 | 2.91 |
| QUIC Cubic | 9 | 51.67 | 43.35 | 42.60 | 136.50 | 136.43 | 136.25 | 0.00 | 0.00 | 0.00 |
| SCReAM | 9 | 0.22 | 0.21 | 0.21 | 136.64 | 136.83 | 136.50 | 0.00 | 0.00 | 0.00 |
| WebRTC media | 10 | 1.94 | 1.16 | 0.32 | 136.74 | 136.90 | 136.88 | 0.00 | 0.00 | 0.00 |
| Sprout | 10 | 0.39 | 0.42 | 0.47 | 137.18 | 137.20 | 137.04 | 0.00 | 0.00 | 0.00 |
| TaoVA-100x | 10 | 73.54 | 94.24 | 72.13 | 138.70 | 139.80 | 145.77 | 0.12 | 0.00 | 0.04 |
| TCP Vegas | 10 | 21.06 | 31.88 | 27.76 | 141.33 | 141.58 | 143.90 | 0.43 | 0.45 | 0.05 |
| Verus | 10 | 119.69 | 72.05 | 77.82 | 260.17 | 196.96 | 230.89 | 4.24 | 0.41 | 2.23 |
| Copa | 2 | 58.78 | 55.22 | 44.92 | 136.94 | 136.99 | 136.76 | 0.00 | 0.00 | 0.00 |
| Indigo | 10 | 145.01 | 131.26 | 107.50 | 137.27 | 138.13 | 139.34 | 0.05 | 0.03 | 0.01 |
| Indigo-calib | 10 | 118.36 | 120.77 | 101.75 | 137.41 | 137.81 | 137.61 | 0.07 | 0.03 | 0.09 |

```
Run 1: Statistics of TCP BBR

Start at: 2017-12-01 11:12:01
End at: 2017-12-01 11:12:31

# Below is generated by plot.py at 2017-12-01 14:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.41 Mbit/s
95th percentile per-packet one-way delay: 152.739 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 43.03 Mbit/s
95th percentile per-packet one-way delay: 152.695 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 150.507 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 155.227 ms
Loss rate: 0.08%
```

Run 1: Report of TCP BBR — Data Link



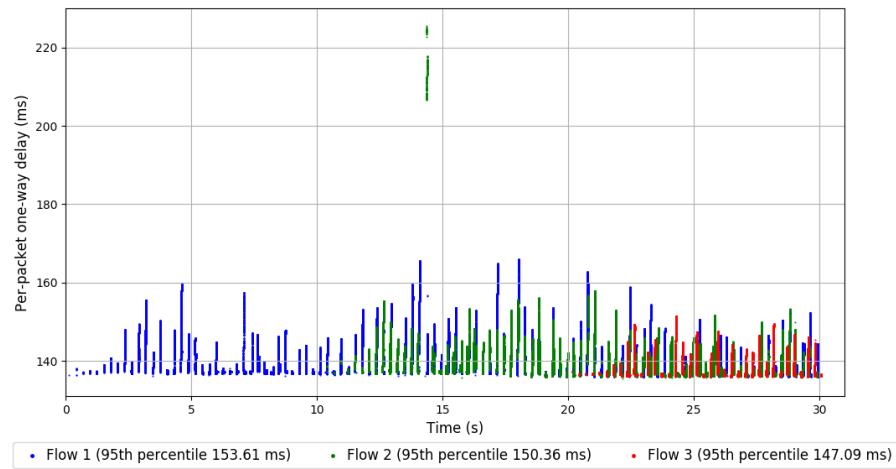
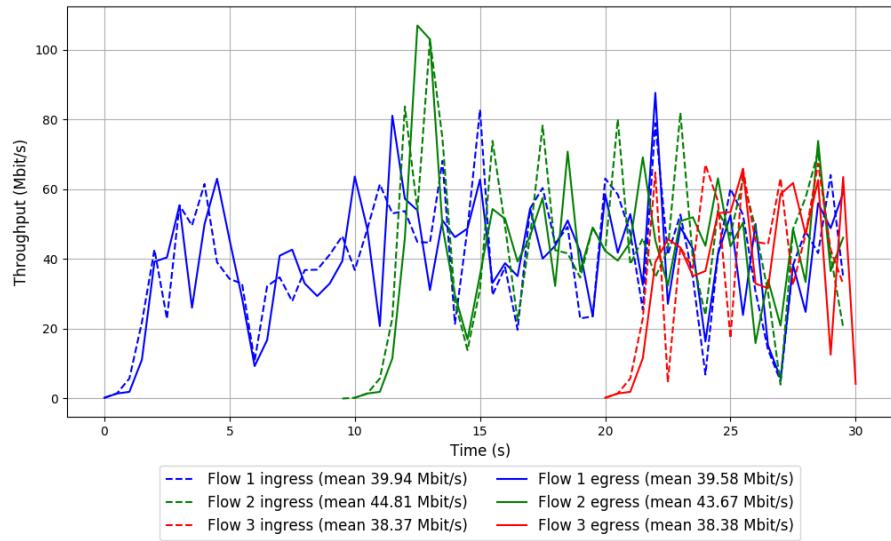
Run 2: Statistics of TCP BBR

Start at: 2017-12-01 11:25:56

End at: 2017-12-01 11:26:26

```
# Below is generated by plot.py at 2017-12-01 14:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 151.511 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 153.614 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 150.364 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 147.087 ms
Loss rate: 0.00%
```

Run 2: Report of TCP BBR — Data Link



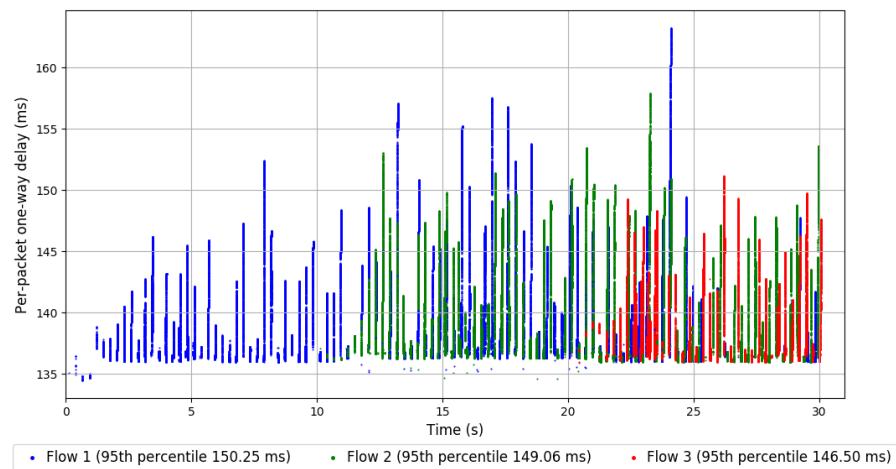
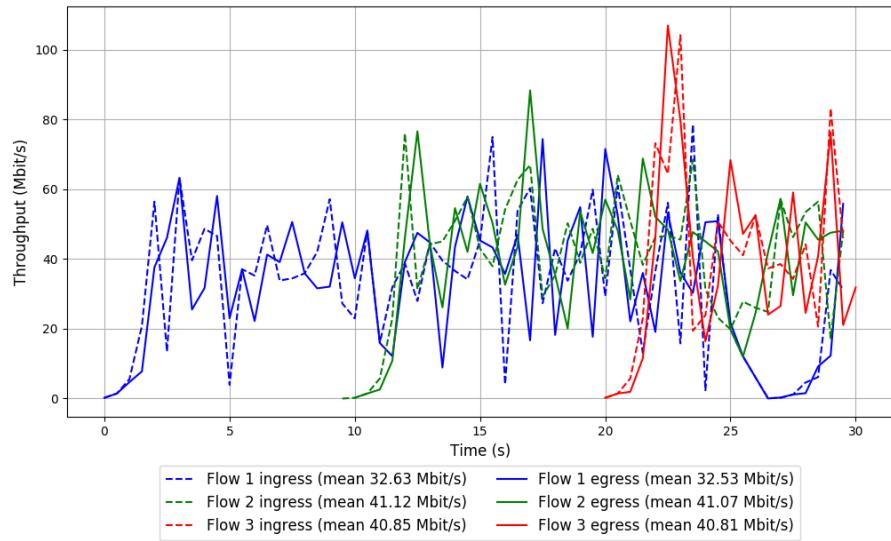
Run 3: Statistics of TCP BBR

Start at: 2017-12-01 11:39:23

End at: 2017-12-01 11:39:53

```
# Below is generated by plot.py at 2017-12-01 14:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.04 Mbit/s
95th percentile per-packet one-way delay: 148.982 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 150.248 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 149.056 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 146.496 ms
Loss rate: 0.01%
```

Run 3: Report of TCP BBR — Data Link



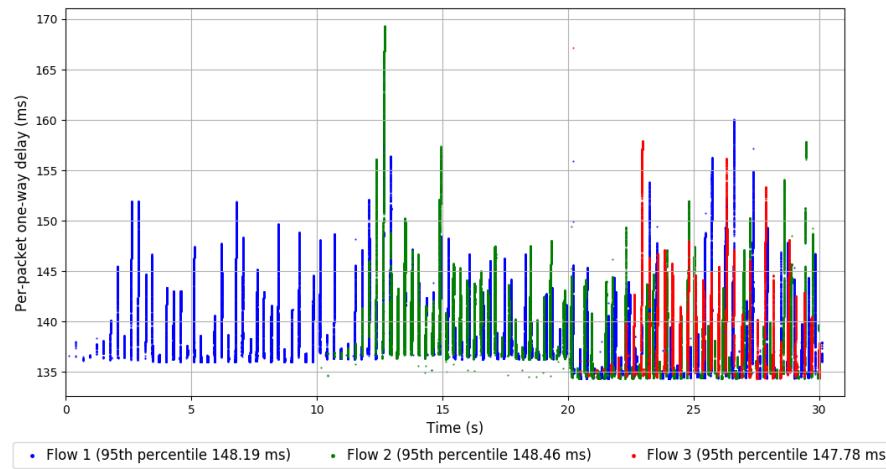
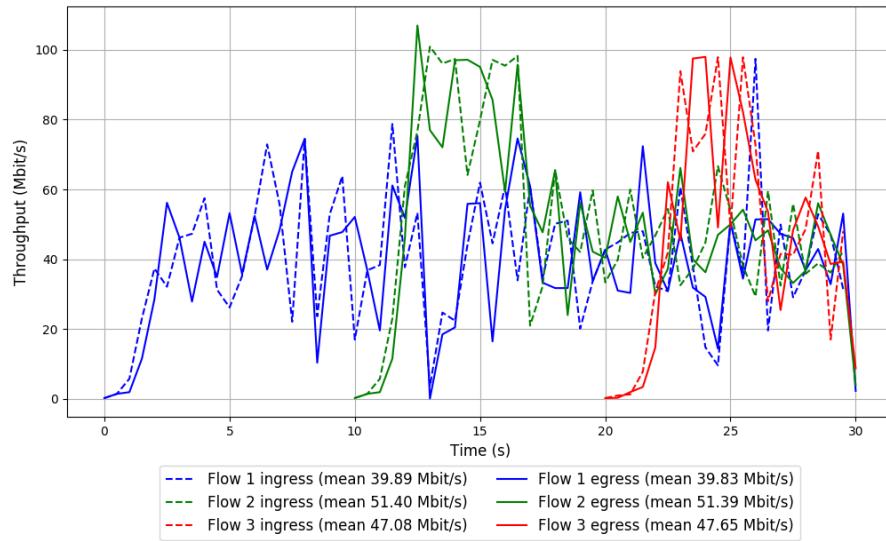
Run 4: Statistics of TCP BBR

Start at: 2017-12-01 11:53:34

End at: 2017-12-01 11:54:04

```
# Below is generated by plot.py at 2017-12-01 14:10:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 148.219 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 148.188 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 148.462 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 147.780 ms
Loss rate: 0.00%
```

Run 4: Report of TCP BBR — Data Link



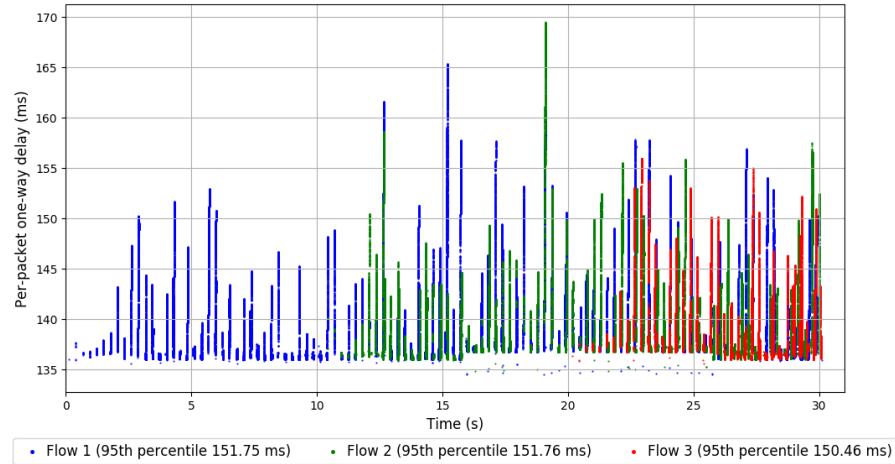
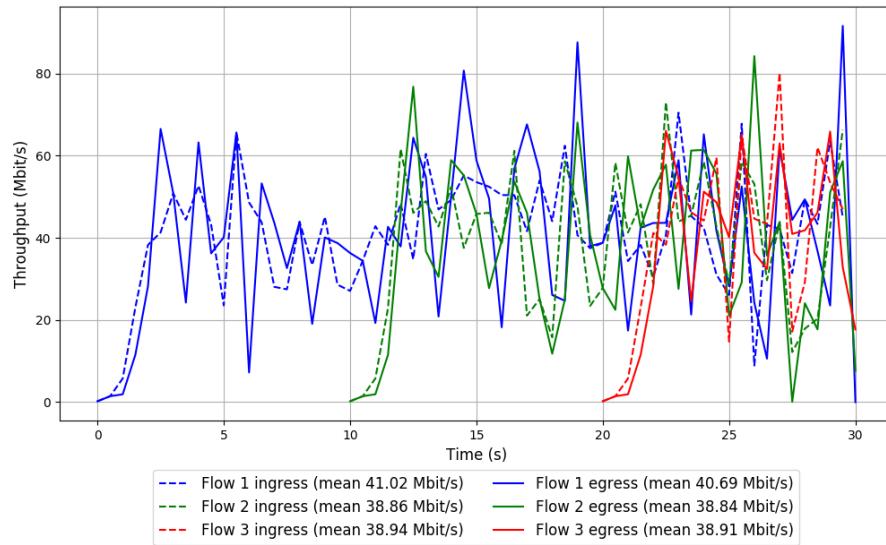
Run 5: Statistics of TCP BBR

Start at: 2017-12-01 12:07:38

End at: 2017-12-01 12:08:08

```
# Below is generated by plot.py at 2017-12-01 14:10:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 151.606 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 151.755 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 151.762 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 150.460 ms
Loss rate: 0.07%
```

Run 5: Report of TCP BBR — Data Link



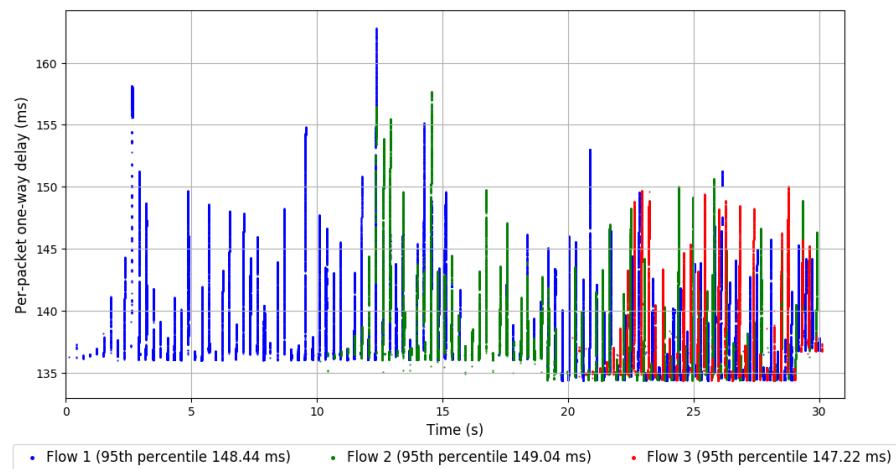
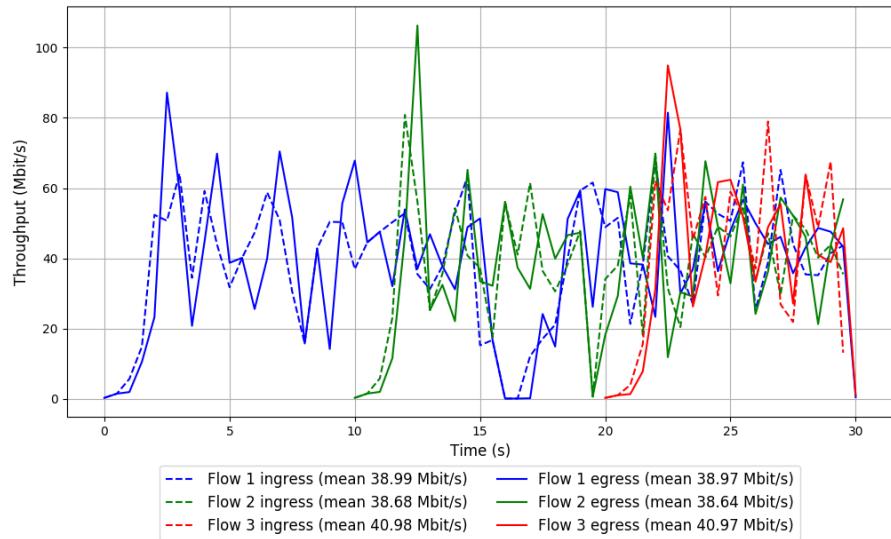
Run 6: Statistics of TCP BBR

Start at: 2017-12-01 12:21:35

End at: 2017-12-01 12:22:05

```
# Below is generated by plot.py at 2017-12-01 14:10:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 148.243 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 148.440 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 149.038 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 147.222 ms
Loss rate: 0.03%
```

Run 6: Report of TCP BBR — Data Link



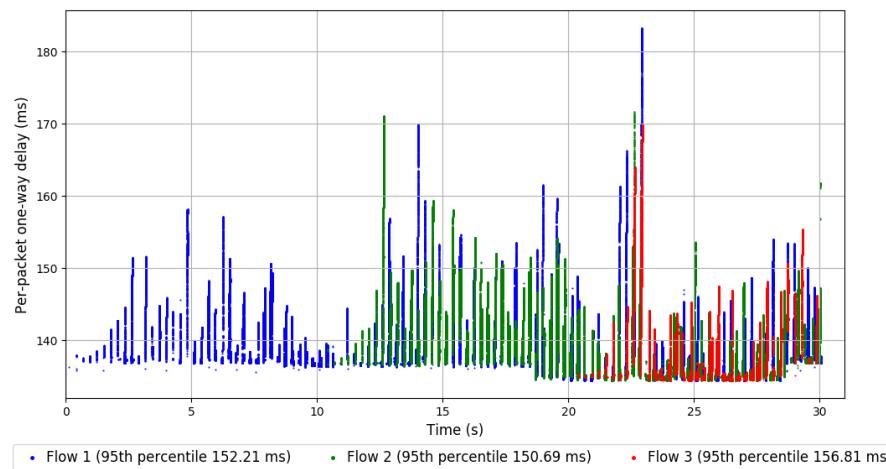
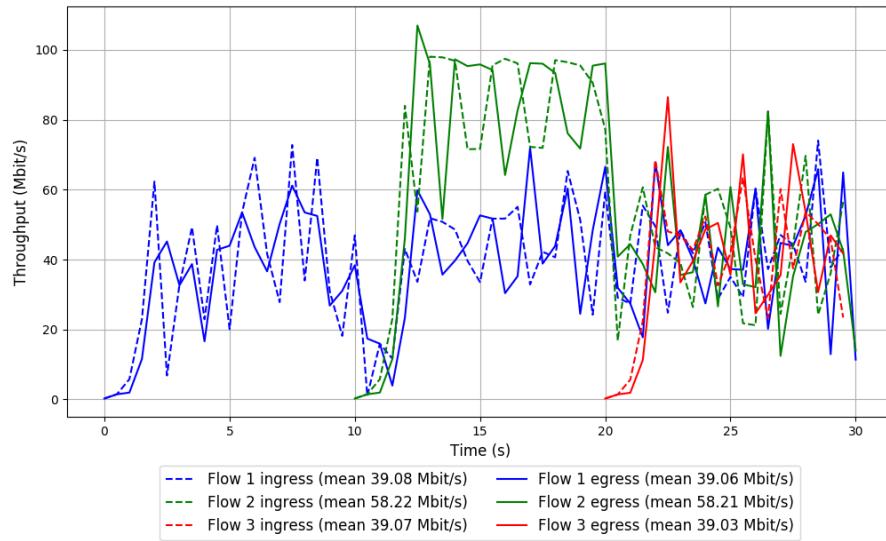
Run 7: Statistics of TCP BBR

Start at: 2017-12-01 12:35:05

End at: 2017-12-01 12:35:35

```
# Below is generated by plot.py at 2017-12-01 14:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 152.190 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 152.205 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 150.693 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 156.812 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link



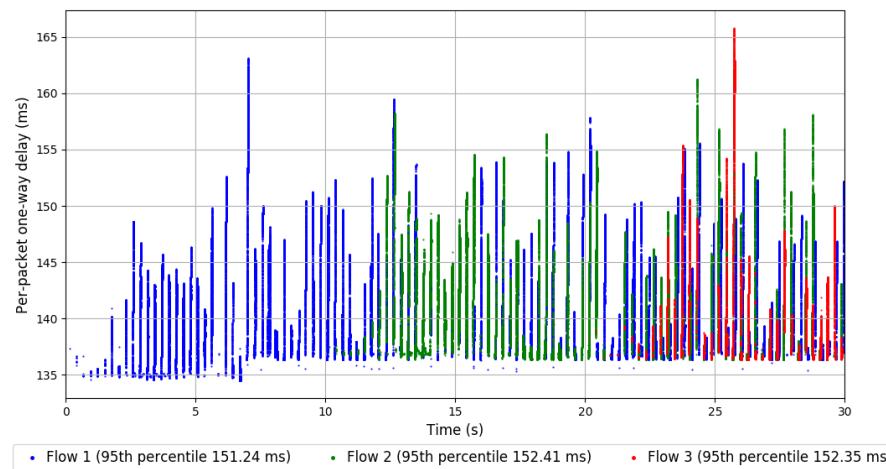
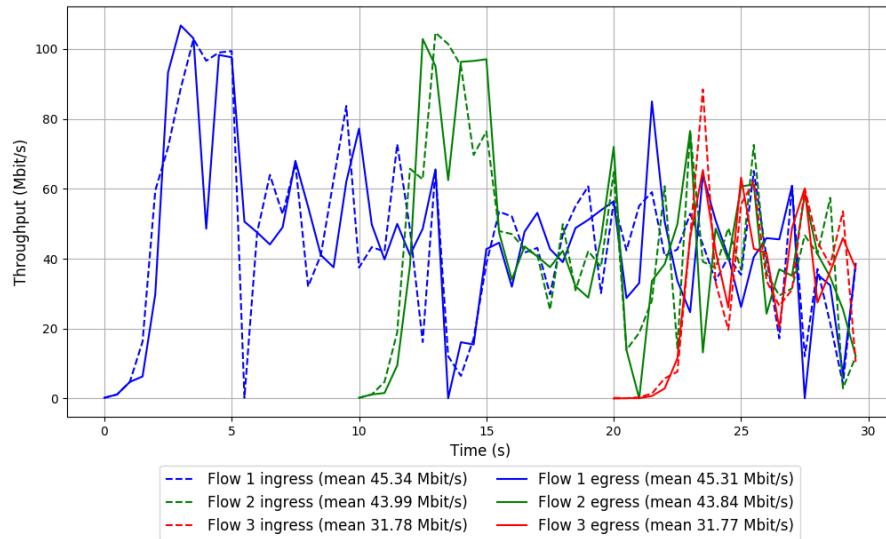
Run 8: Statistics of TCP BBR

Start at: 2017-12-01 12:48:57

End at: 2017-12-01 12:49:27

```
# Below is generated by plot.py at 2017-12-01 14:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 151.656 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 151.239 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 43.84 Mbit/s
95th percentile per-packet one-way delay: 152.415 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 152.354 ms
Loss rate: 0.03%
```

Run 8: Report of TCP BBR — Data Link



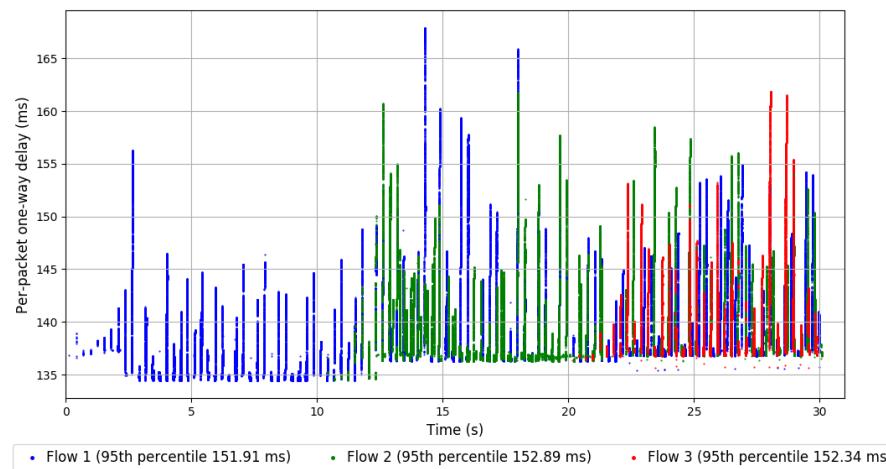
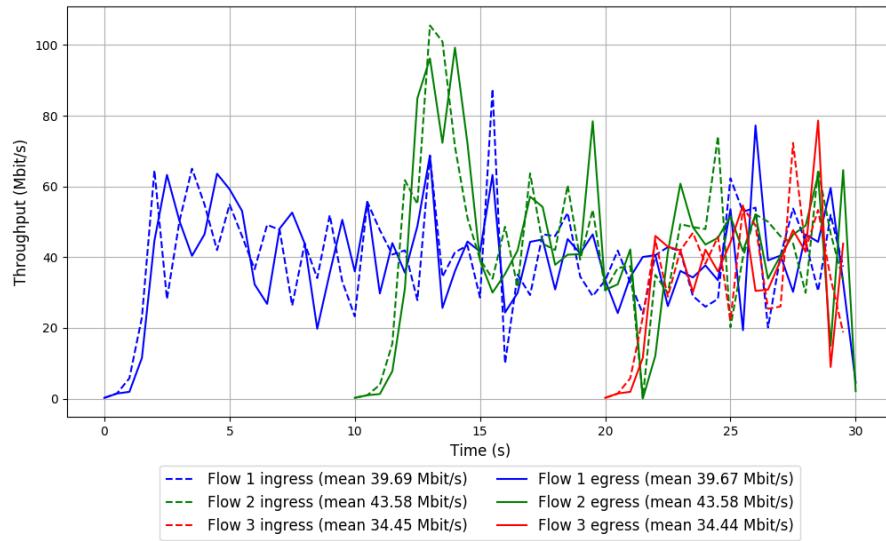
Run 9: Statistics of TCP BBR

Start at: 2017-12-01 13:03:22

End at: 2017-12-01 13:03:52

```
# Below is generated by plot.py at 2017-12-01 14:11:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 152.402 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 151.906 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 152.887 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 152.335 ms
Loss rate: 0.01%
```

Run 9: Report of TCP BBR — Data Link



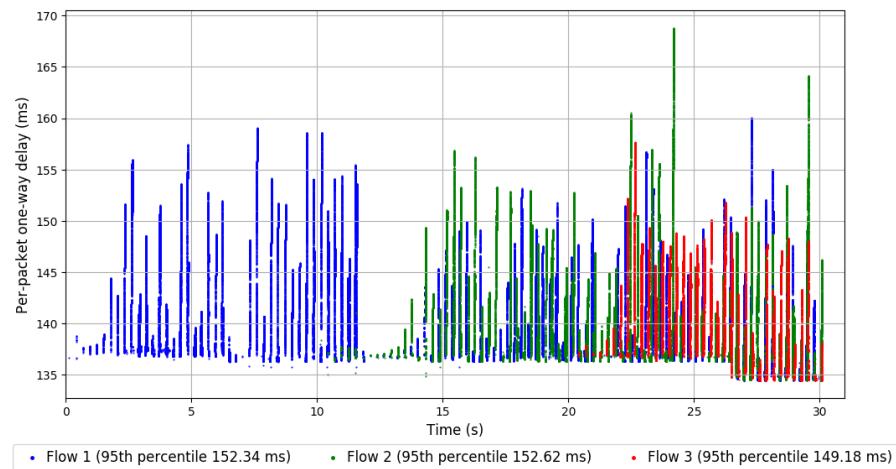
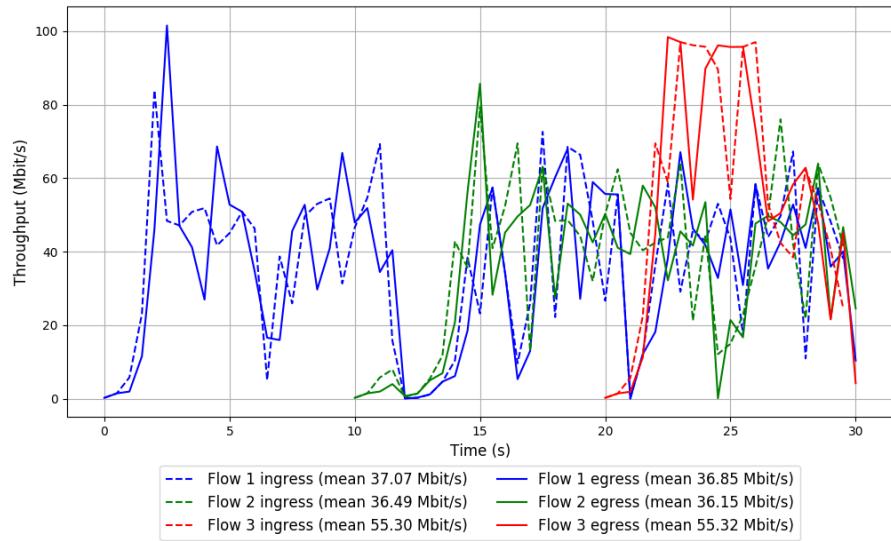
Run 10: Statistics of TCP BBR

Start at: 2017-12-01 13:16:57

End at: 2017-12-01 13:17:27

```
# Below is generated by plot.py at 2017-12-01 14:11:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.22 Mbit/s
95th percentile per-packet one-way delay: 151.827 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 152.338 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 152.623 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 149.181 ms
Loss rate: 0.00%
```

Run 10: Report of TCP BBR — Data Link

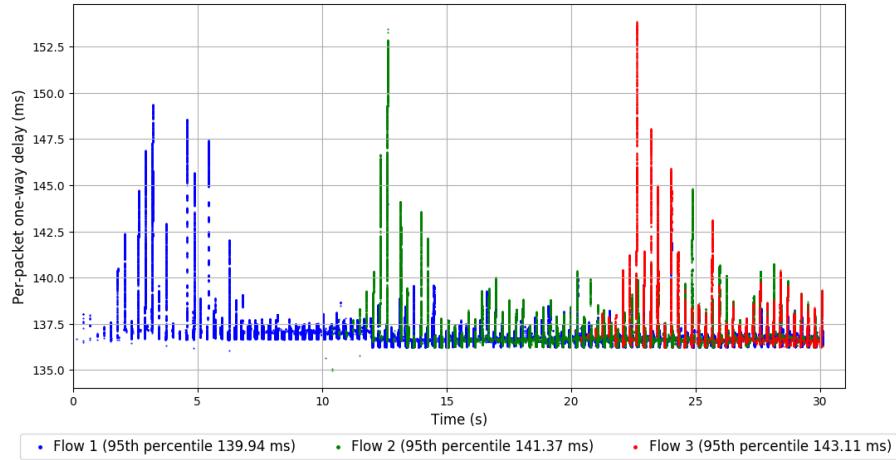
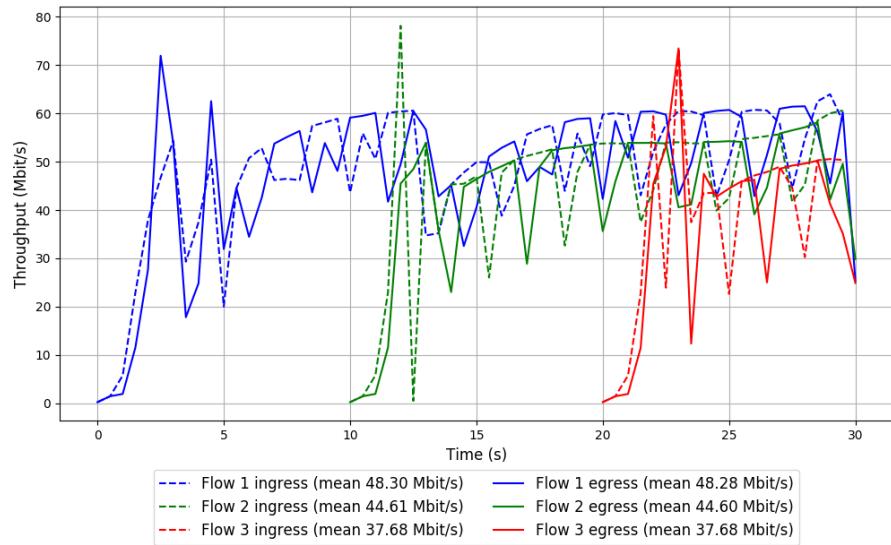


```
Run 1: Statistics of TCP Cubic

Start at: 2017-12-01 11:15:22
End at: 2017-12-01 11:15:52

# Below is generated by plot.py at 2017-12-01 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.47 Mbit/s
95th percentile per-packet one-way delay: 141.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 139.945 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 141.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 143.112 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Cubic — Data Link



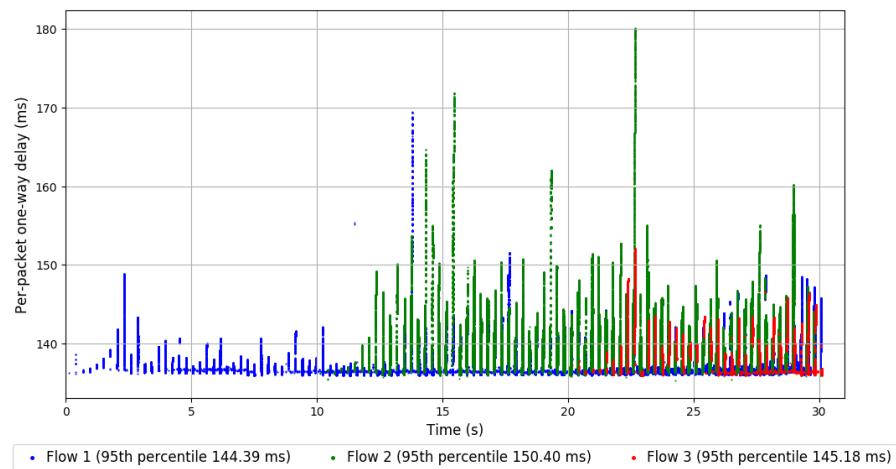
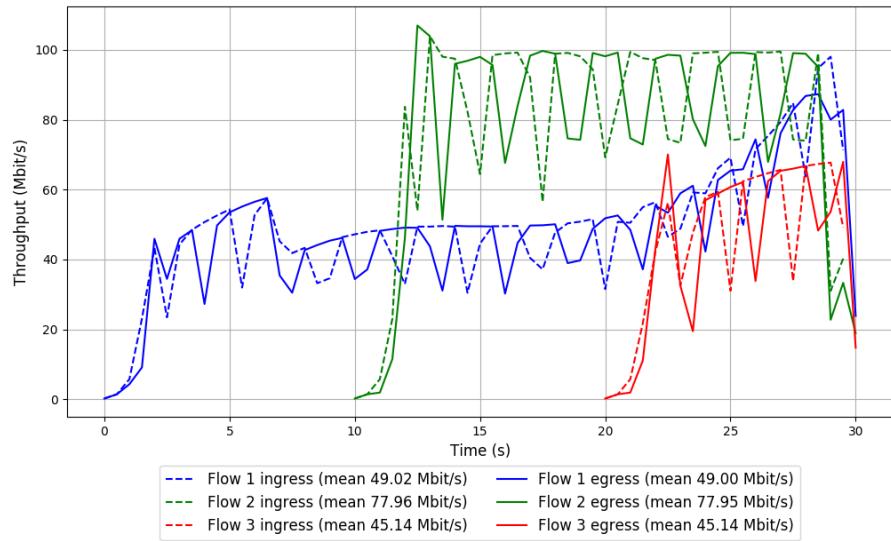
Run 2: Statistics of TCP Cubic

Start at: 2017-12-01 11:29:17

End at: 2017-12-01 11:29:47

```
# Below is generated by plot.py at 2017-12-01 14:12:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 115.80 Mbit/s
95th percentile per-packet one-way delay: 147.826 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 144.390 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 77.95 Mbit/s
95th percentile per-packet one-way delay: 150.404 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 145.176 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Cubic — Data Link



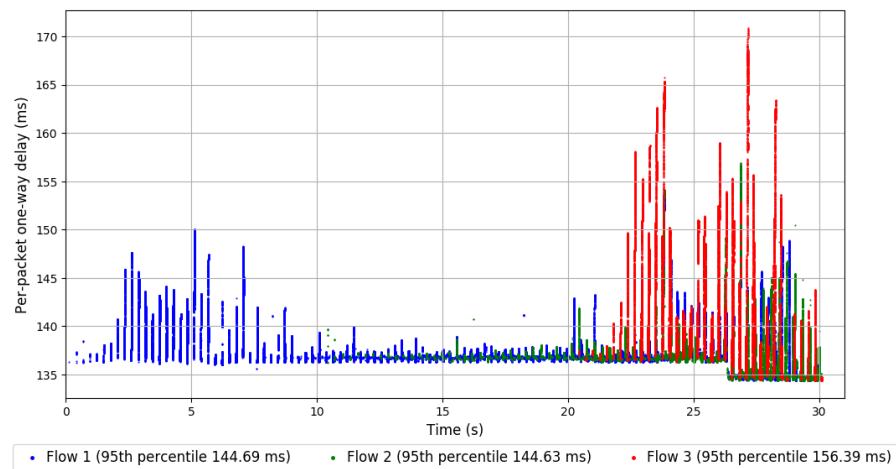
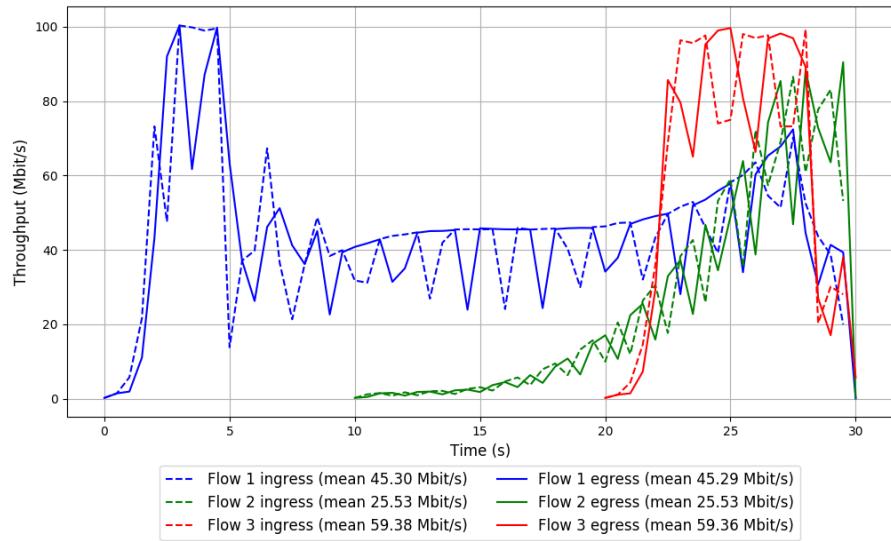
```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 11:42:48
```

```
End at: 2017-12-01 11:43:18
```

```
# Below is generated by plot.py at 2017-12-01 14:12:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 150.280 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.29 Mbit/s
95th percentile per-packet one-way delay: 144.689 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 25.53 Mbit/s
95th percentile per-packet one-way delay: 144.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 156.387 ms
Loss rate: 0.06%
```

Run 3: Report of TCP Cubic — Data Link



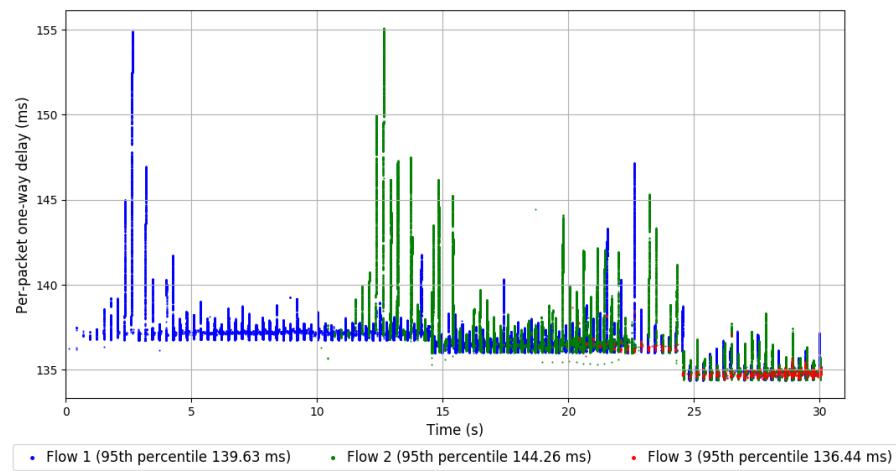
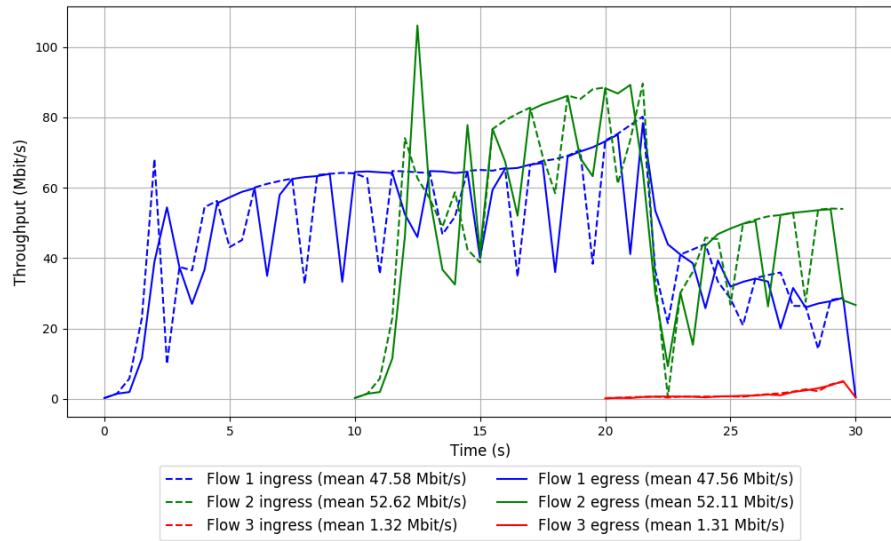
Run 4: Statistics of TCP Cubic

Start at: 2017-12-01 11:56:49

End at: 2017-12-01 11:57:19

```
# Below is generated by plot.py at 2017-12-01 14:12:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 142.210 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 139.635 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 52.11 Mbit/s
95th percentile per-packet one-way delay: 144.260 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 136.436 ms
Loss rate: 0.55%
```

Run 4: Report of TCP Cubic — Data Link



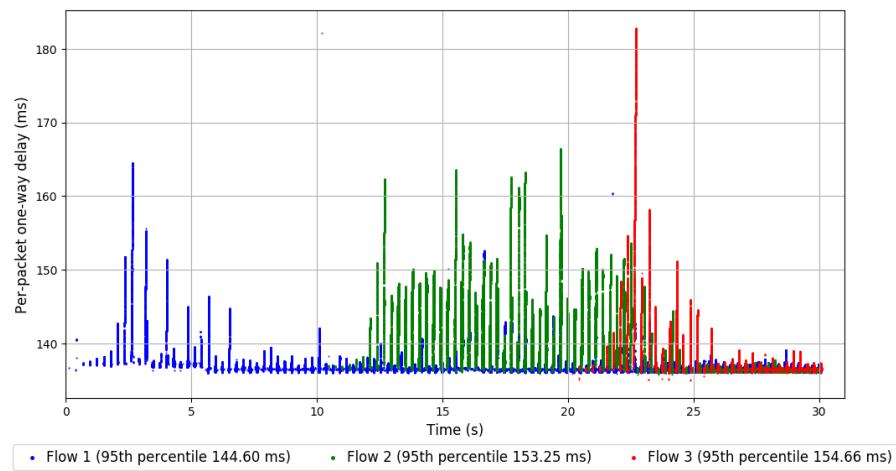
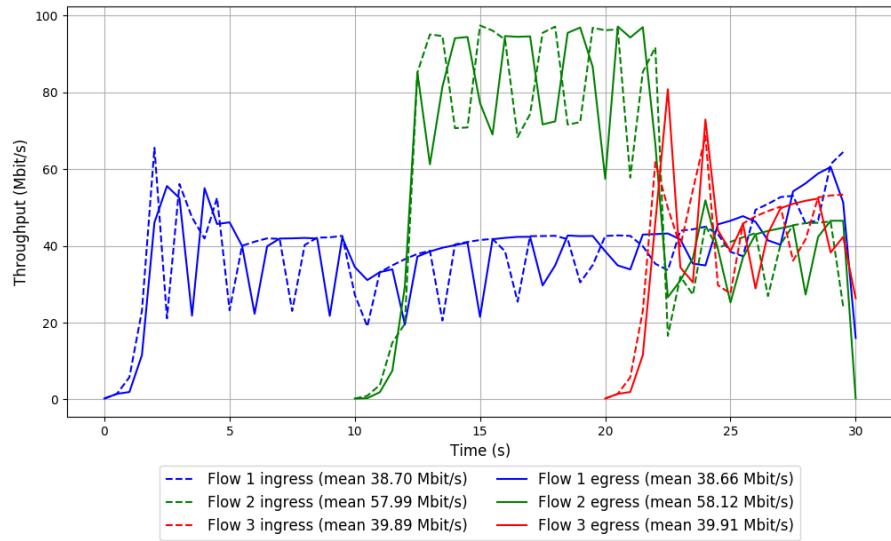
Run 5: Statistics of TCP Cubic

Start at: 2017-12-01 12:10:58

End at: 2017-12-01 12:11:28

```
# Below is generated by plot.py at 2017-12-01 14:12:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 151.527 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 144.598 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 153.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 154.664 ms
Loss rate: 0.03%
```

Run 5: Report of TCP Cubic — Data Link



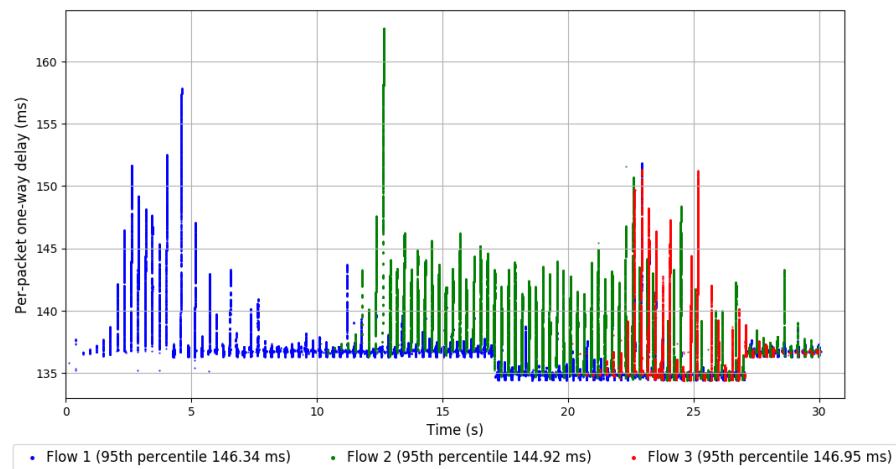
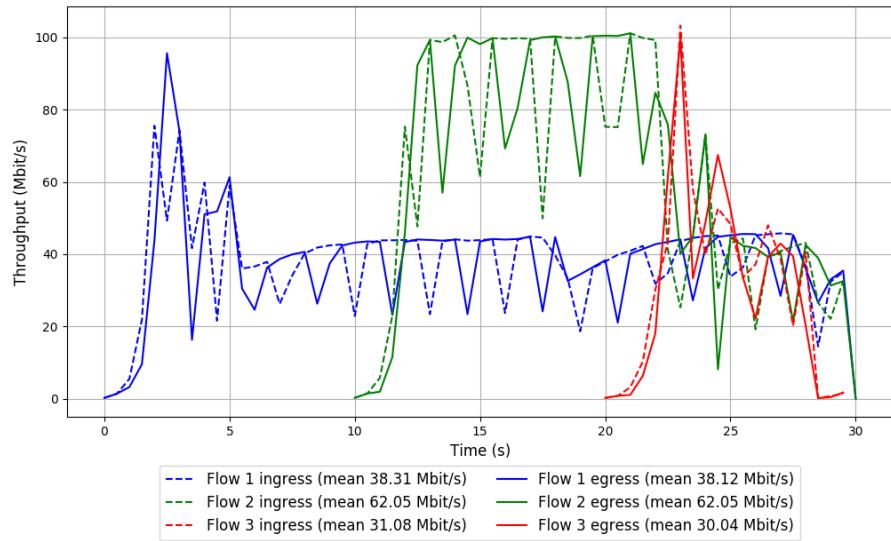
Run 6: Statistics of TCP Cubic

Start at: 2017-12-01 12:24:57

End at: 2017-12-01 12:25:27

```
# Below is generated by plot.py at 2017-12-01 14:12:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 145.766 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 146.341 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 144.916 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 146.951 ms
Loss rate: 3.36%
```

Run 6: Report of TCP Cubic — Data Link



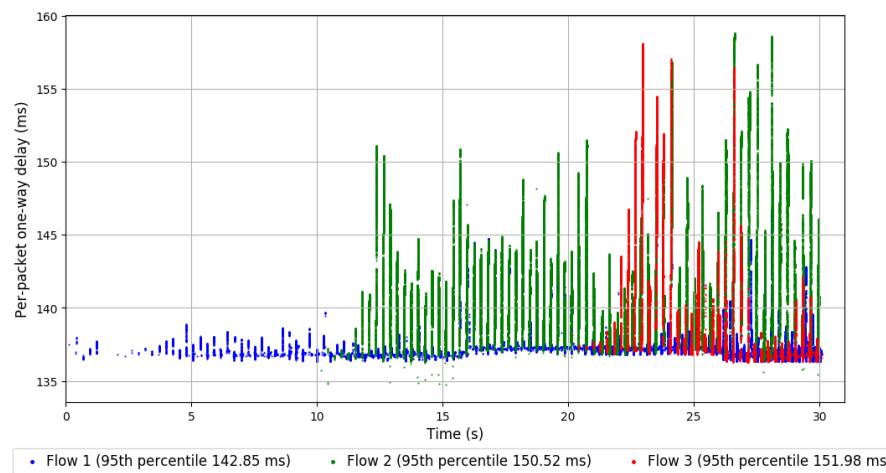
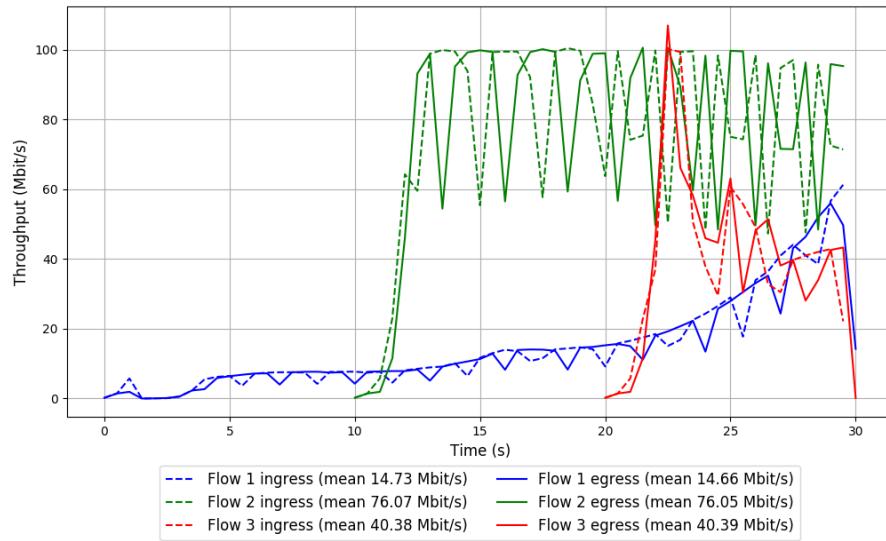
Run 7: Statistics of TCP Cubic

Start at: 2017-12-01 12:38:28

End at: 2017-12-01 12:38:58

```
# Below is generated by plot.py at 2017-12-01 14:12:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 150.135 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 142.854 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 76.05 Mbit/s
95th percentile per-packet one-way delay: 150.519 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 151.981 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Cubic — Data Link



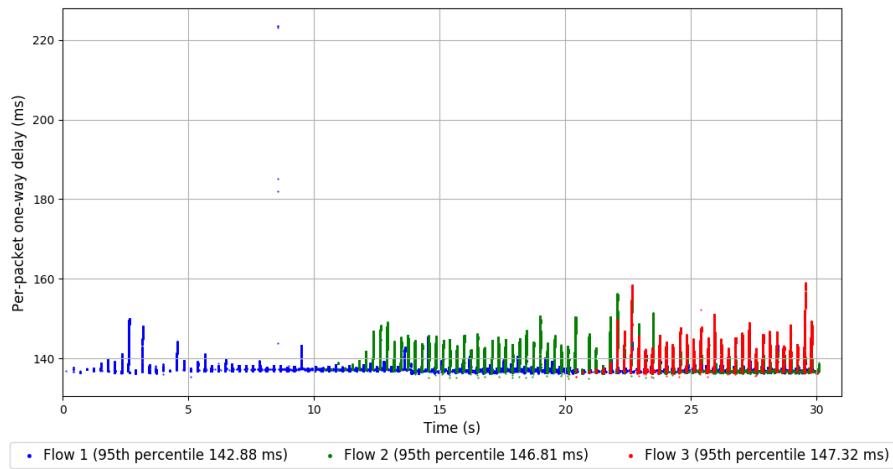
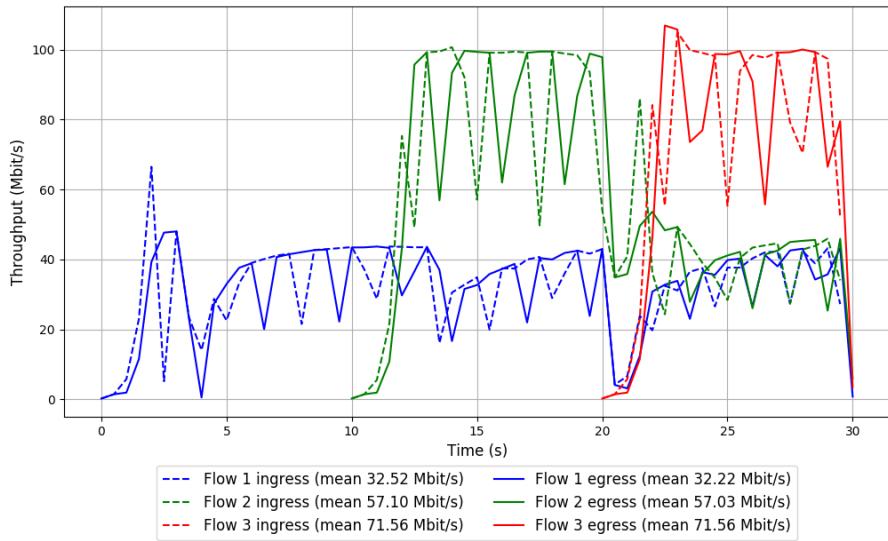
```
Run 8: Statistics of TCP Cubic
```

```
Start at: 2017-12-01 12:52:20
```

```
End at: 2017-12-01 12:52:50
```

```
# Below is generated by plot.py at 2017-12-01 14:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 146.408 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 142.881 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 146.815 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 71.56 Mbit/s
95th percentile per-packet one-way delay: 147.318 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link



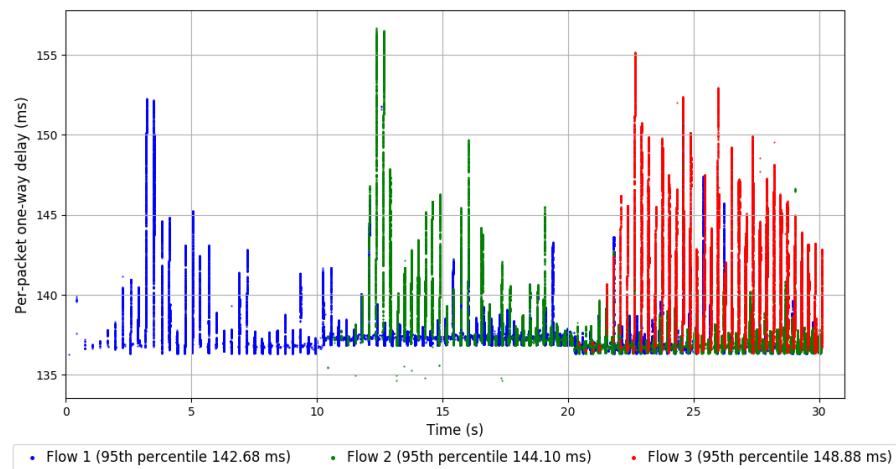
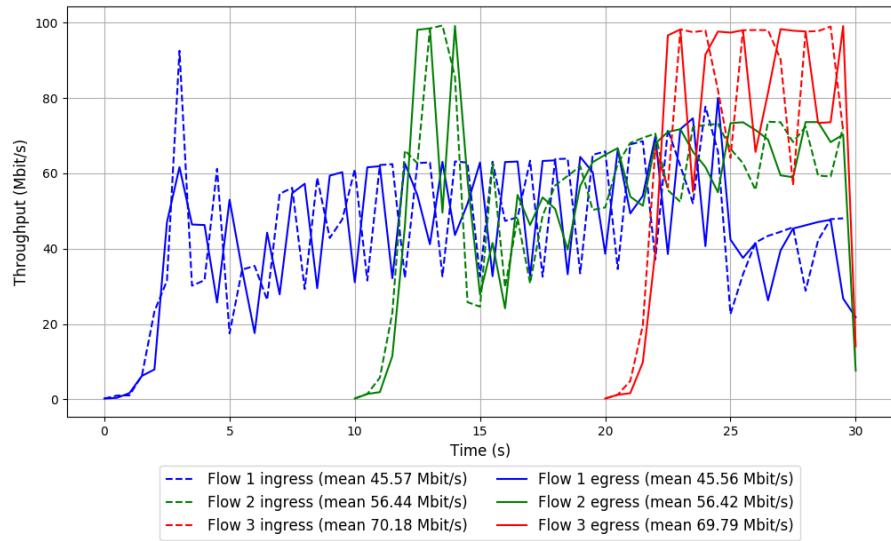
Run 9: Statistics of TCP Cubic

Start at: 2017-12-01 13:06:44

End at: 2017-12-01 13:07:14

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 106.27 Mbit/s
95th percentile per-packet one-way delay: 146.189 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 142.680 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 144.097 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 148.878 ms
Loss rate: 0.56%
```

Run 9: Report of TCP Cubic — Data Link



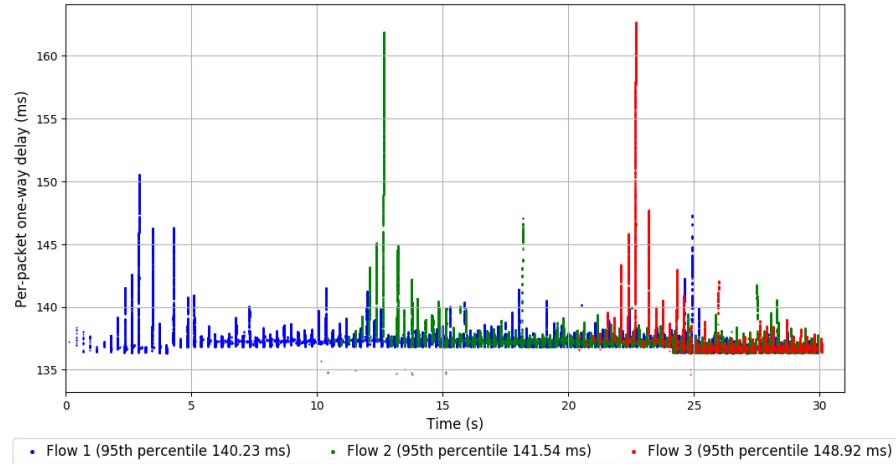
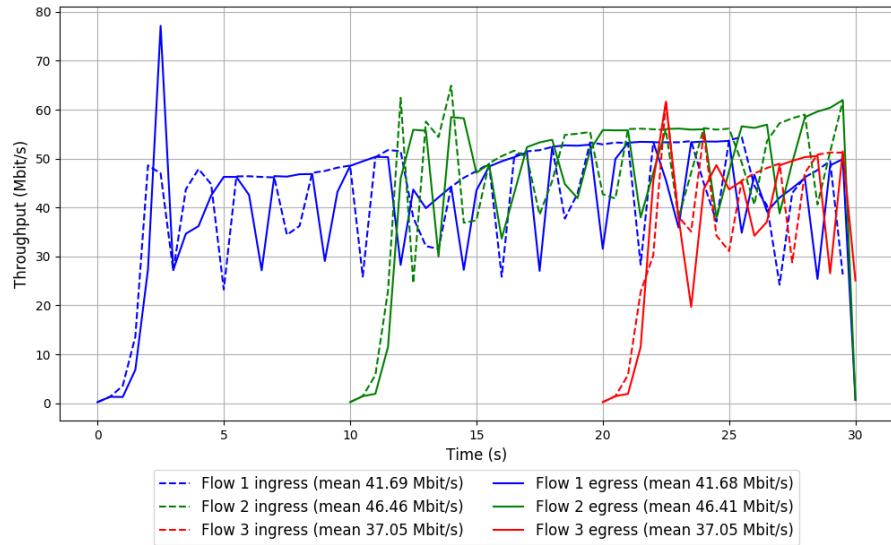
Run 10: Statistics of TCP Cubic

Start at: 2017-12-01 13:20:20

End at: 2017-12-01 13:20:50

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 141.577 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 140.229 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 141.540 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 148.918 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

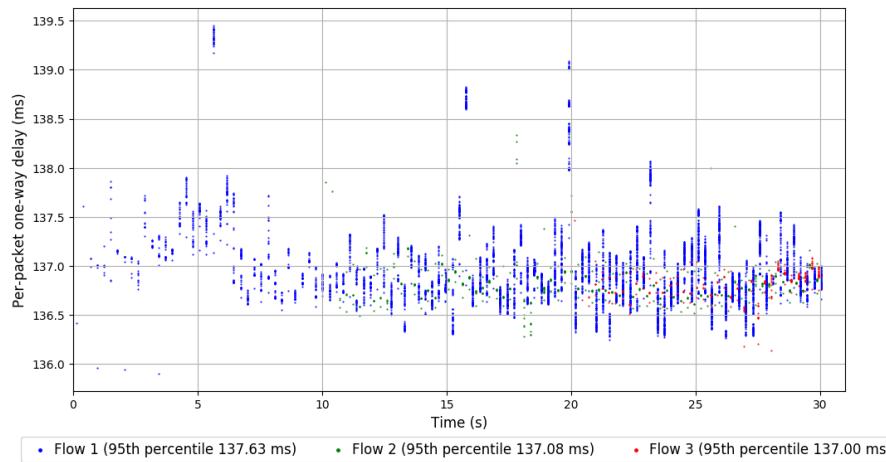
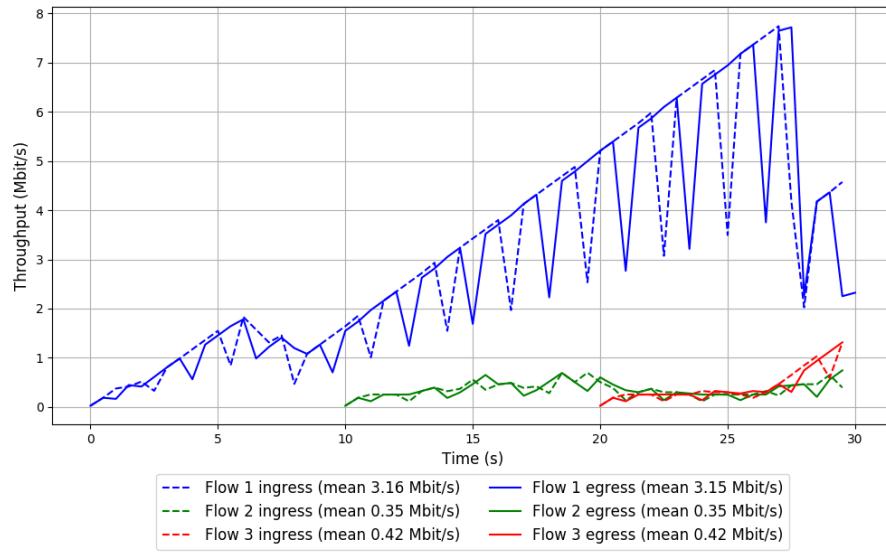


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-01 11:16:17
End at: 2017-12-01 11:16:47

# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 137.578 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 137.630 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 137.079 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.998 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



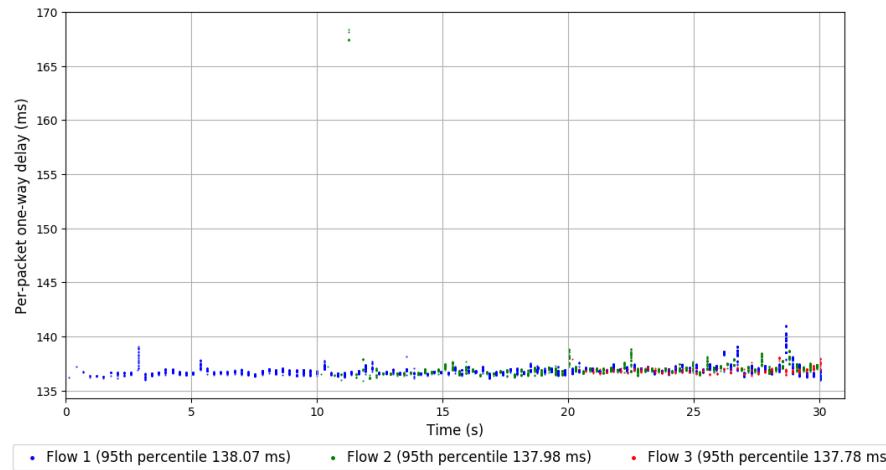
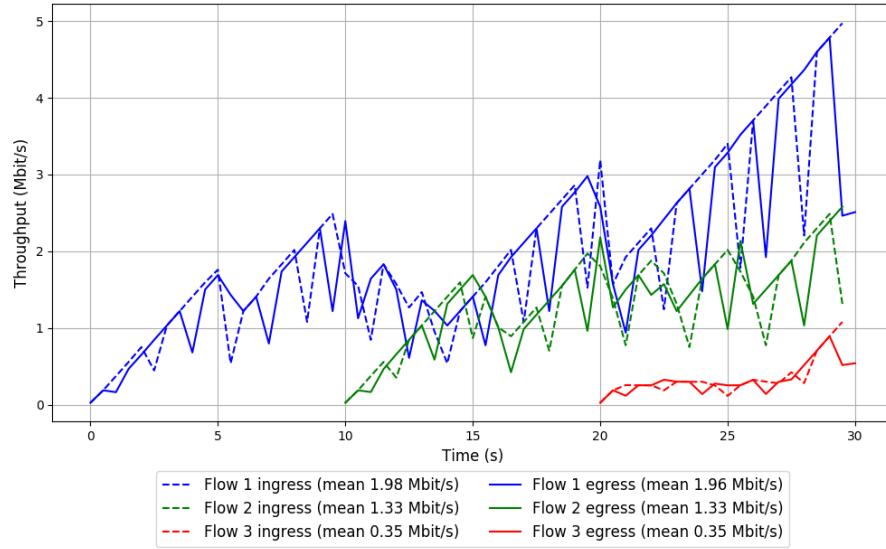
Run 2: Statistics of LEDBAT

Start at: 2017-12-01 11:30:14

End at: 2017-12-01 11:30:44

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 138.014 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 138.066 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 137.978 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 137.783 ms
Loss rate: 0.34%
```

Run 2: Report of LEDBAT — Data Link



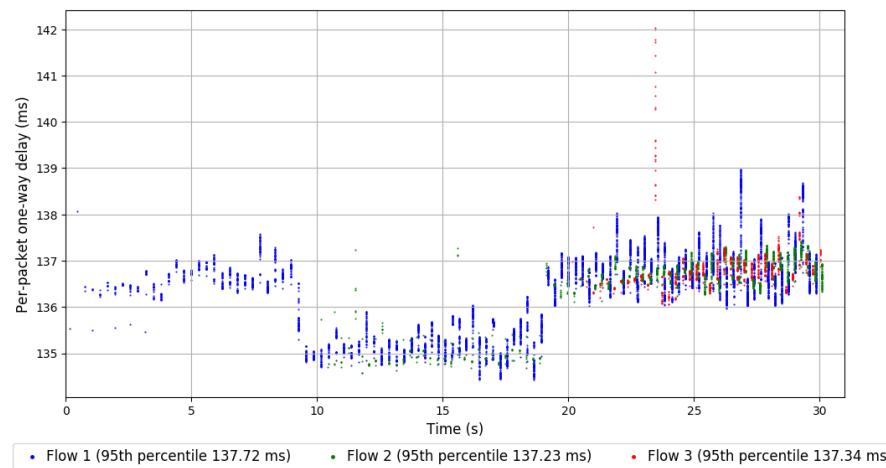
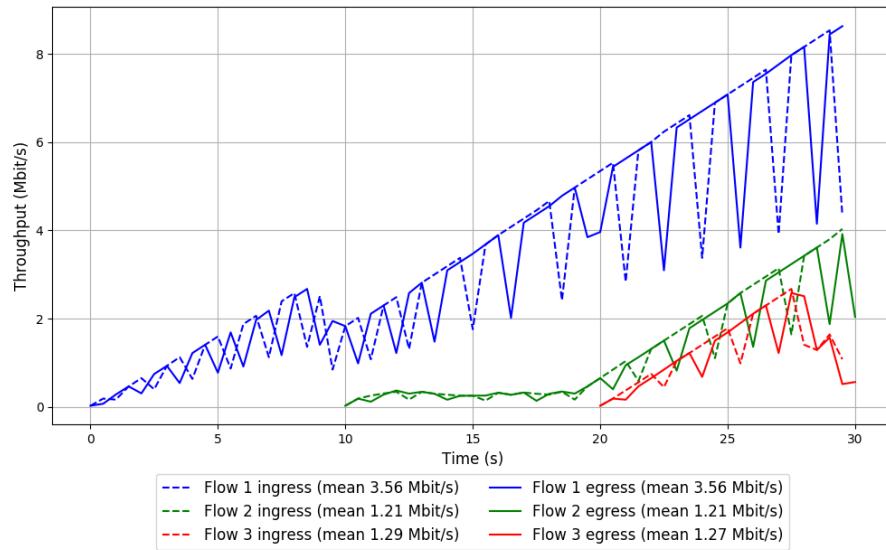
```
Run 3: Statistics of LEDBAT
```

```
Start at: 2017-12-01 11:43:45
```

```
End at: 2017-12-01 11:44:15
```

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 137.629 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 137.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 137.229 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 137.343 ms
Loss rate: 1.30%
```

Run 3: Report of LEDBAT — Data Link



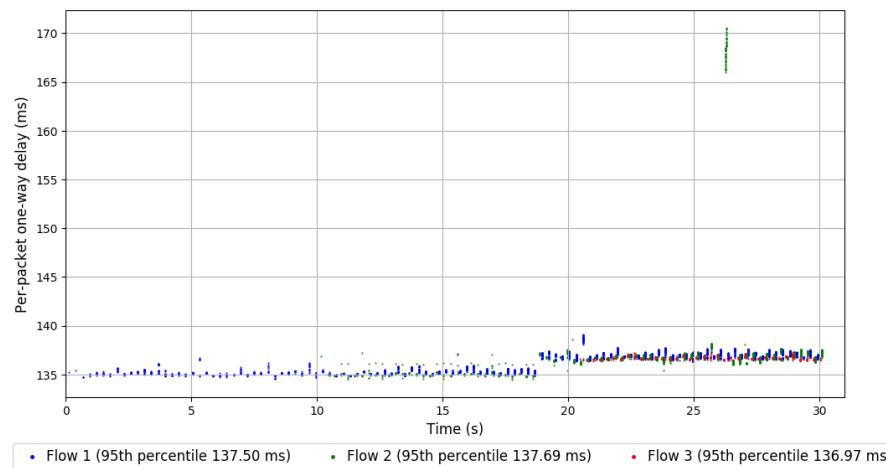
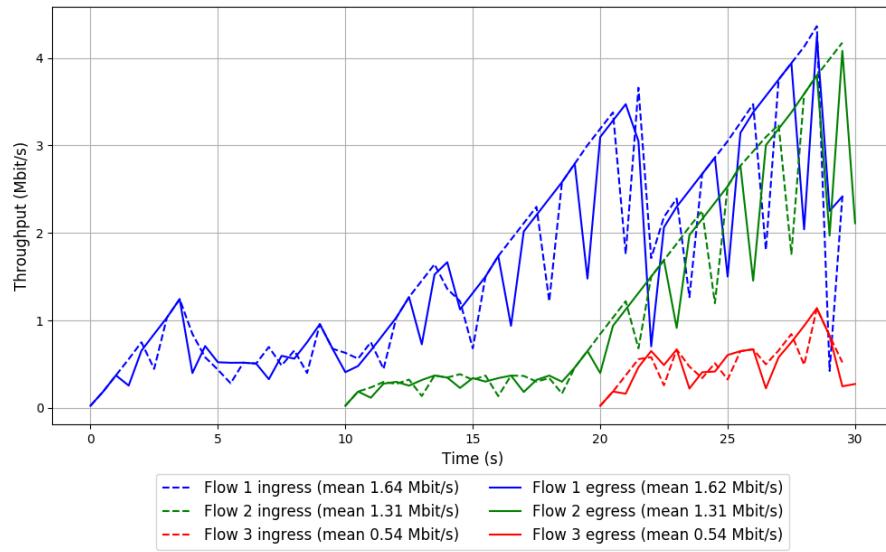
Run 4: Statistics of LEDBAT

Start at: 2017-12-01 11:57:45

End at: 2017-12-01 11:58:15

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 137.503 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 137.496 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 137.687 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 136.970 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link



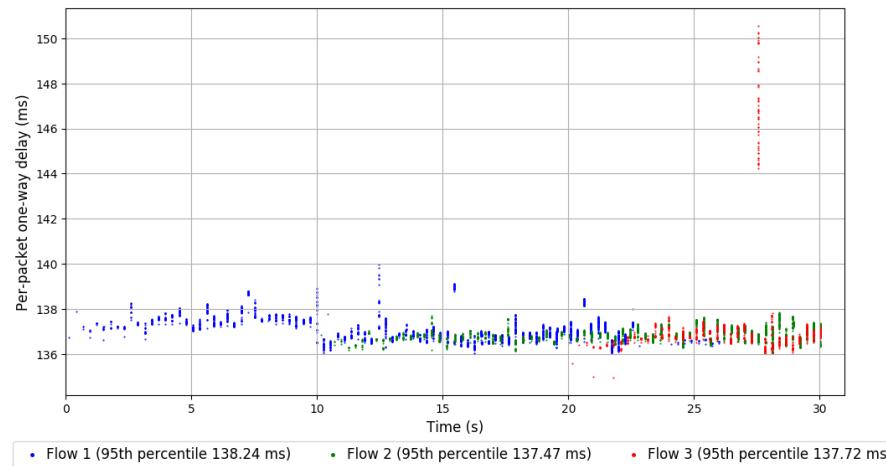
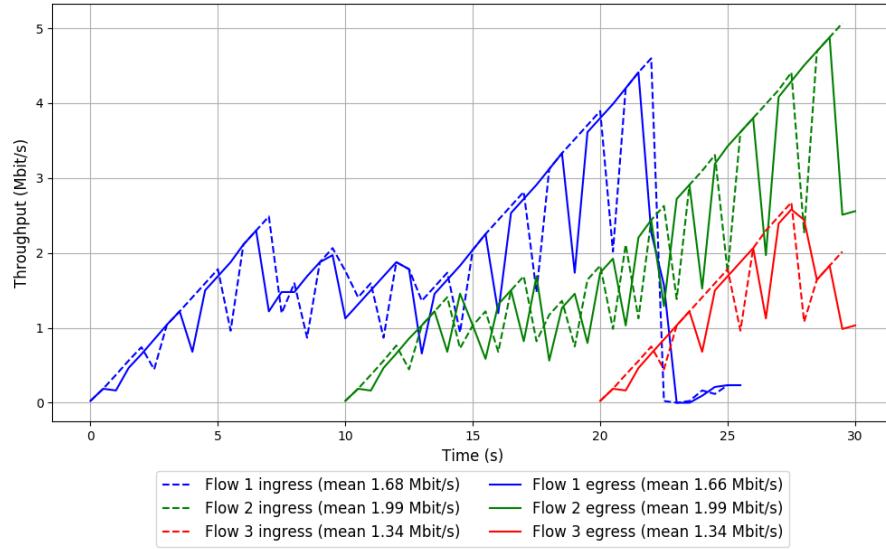
Run 5: Statistics of LEDBAT

Start at: 2017-12-01 12:11:54

End at: 2017-12-01 12:12:24

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 137.823 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 138.235 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 137.473 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 137.718 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link



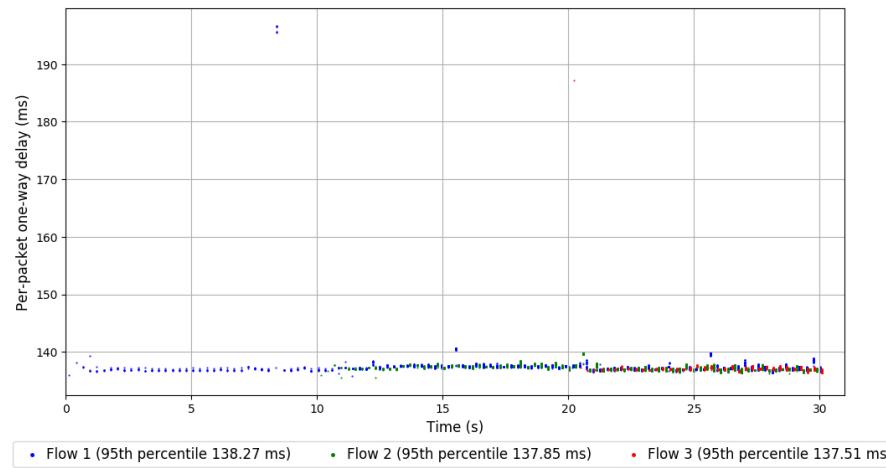
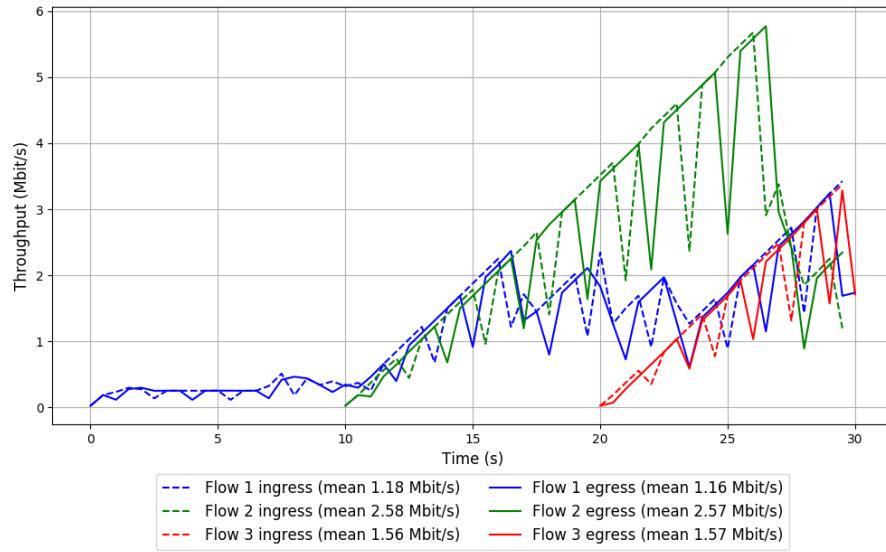
```
Run 6: Statistics of LEDBAT
```

```
Start at: 2017-12-01 12:25:53
```

```
End at: 2017-12-01 12:26:23
```

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 137.900 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 138.274 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 137.853 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 137.508 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link



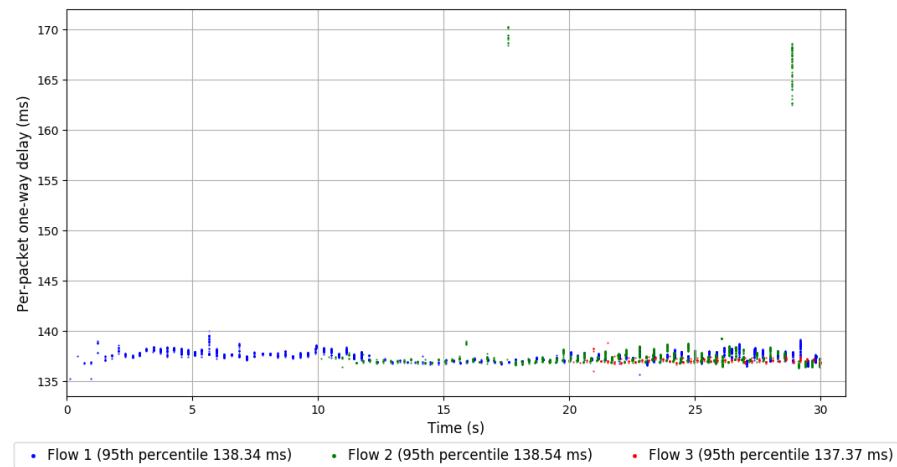
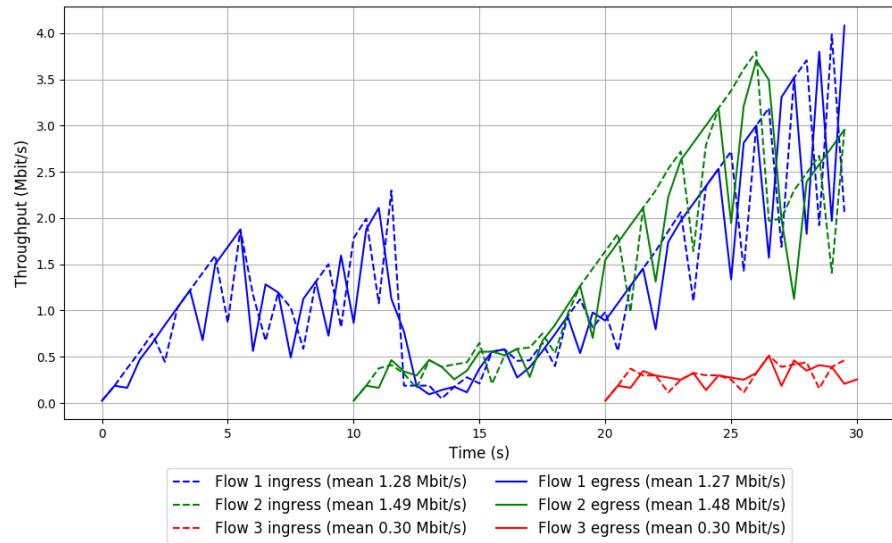
Run 7: Statistics of LEDBAT

Start at: 2017-12-01 12:39:23

End at: 2017-12-01 12:39:53

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 138.390 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 138.335 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 138.536 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 137.371 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link



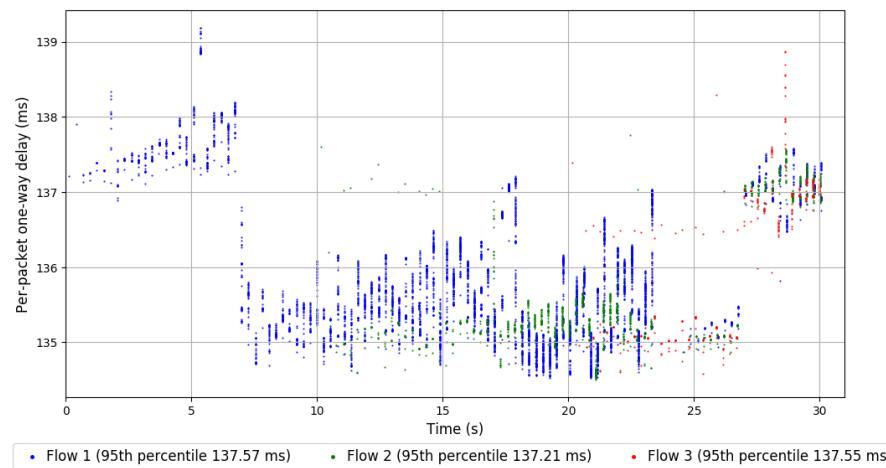
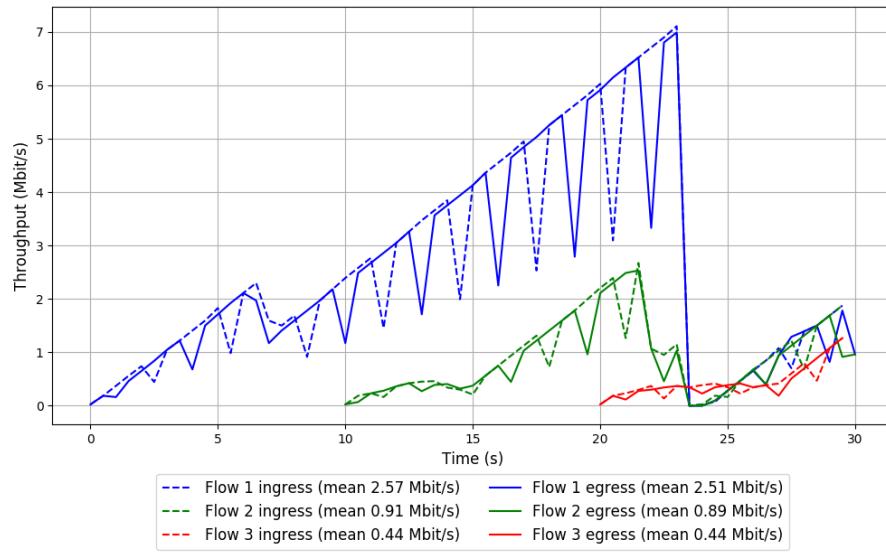
Run 8: Statistics of LEDBAT

Start at: 2017-12-01 12:53:17

End at: 2017-12-01 12:53:47

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 137.515 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 137.575 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 137.205 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.554 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link



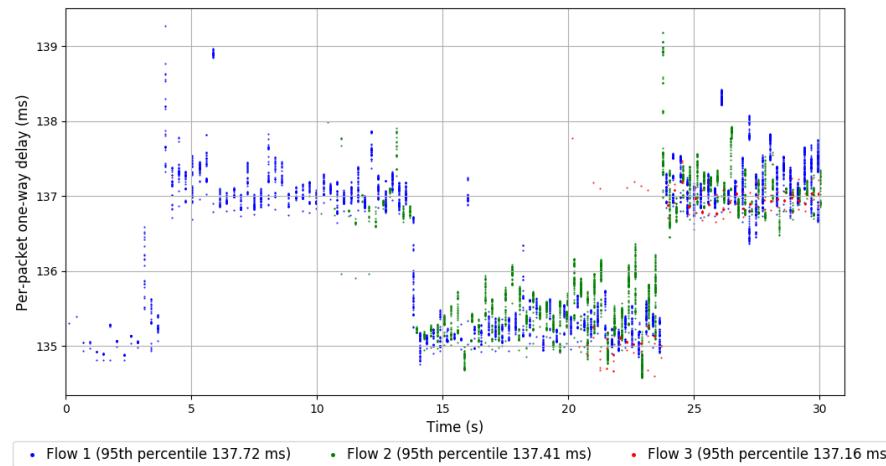
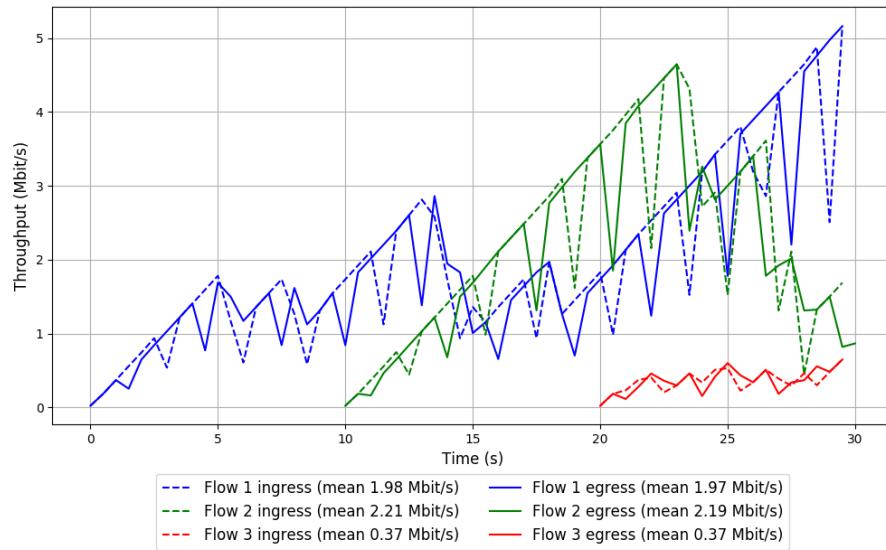
Run 9: Statistics of LEDBAT

Start at: 2017-12-01 13:07:40

End at: 2017-12-01 13:08:10

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 137.585 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 137.720 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 137.410 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 137.162 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link



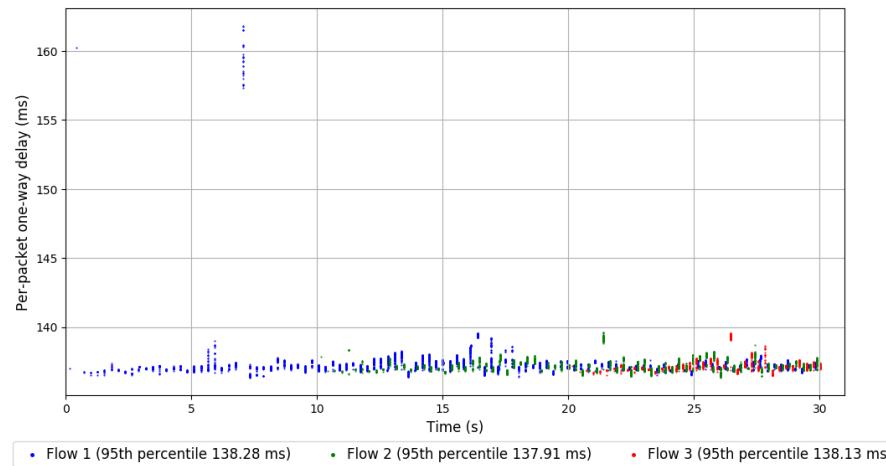
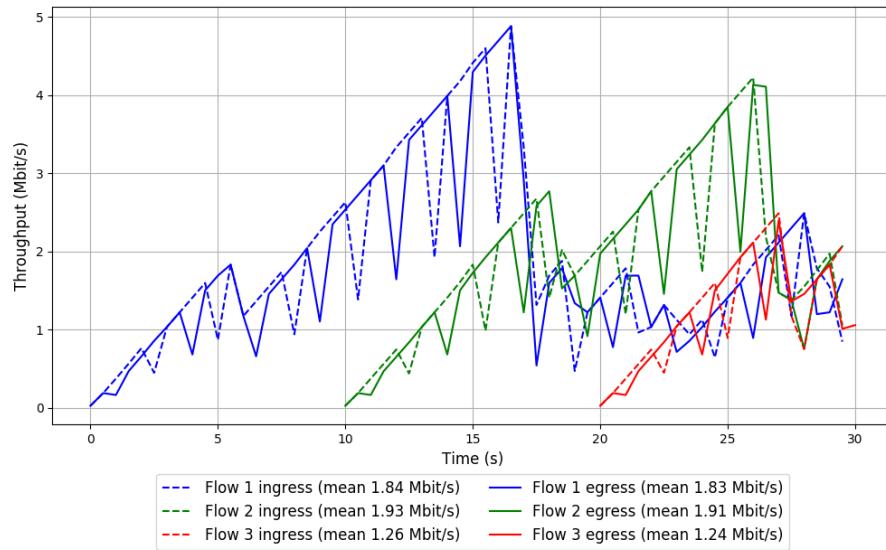
Run 10: Statistics of LEDBAT

Start at: 2017-12-01 13:21:15

End at: 2017-12-01 13:21:45

```
# Below is generated by plot.py at 2017-12-01 14:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 138.070 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 138.280 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 137.914 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 138.131 ms
Loss rate: 1.52%
```

Run 10: Report of LEDBAT — Data Link

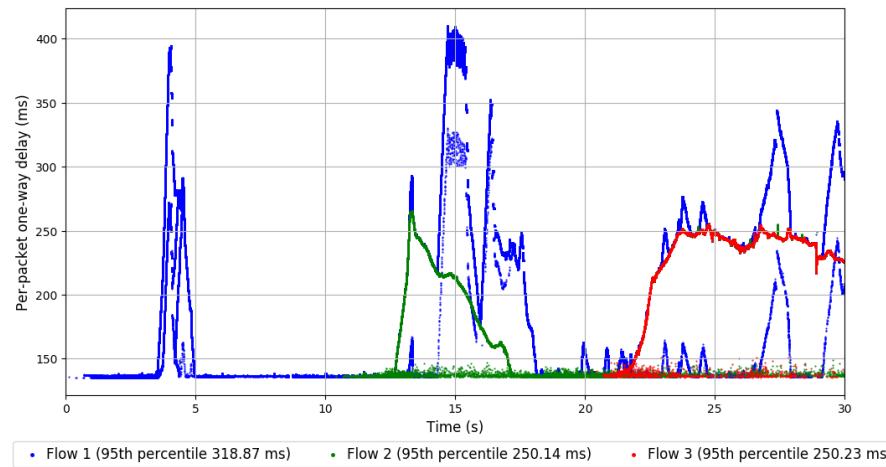
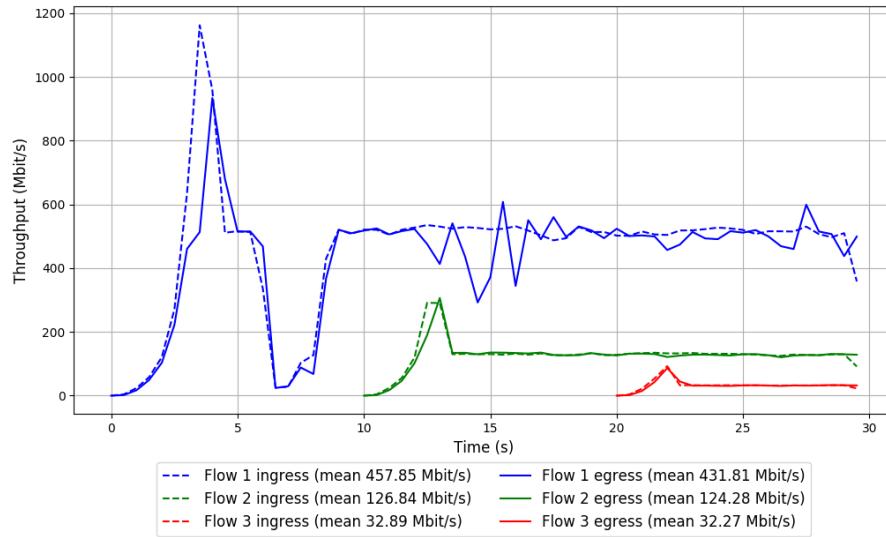


```
Run 1: Statistics of PCC

Start at: 2017-12-01 11:09:00
End at: 2017-12-01 11:09:30

# Below is generated by plot.py at 2017-12-01 14:21:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 525.05 Mbit/s
95th percentile per-packet one-way delay: 311.616 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 431.81 Mbit/s
95th percentile per-packet one-way delay: 318.868 ms
Loss rate: 5.68%
-- Flow 2:
Average throughput: 124.28 Mbit/s
95th percentile per-packet one-way delay: 250.142 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 250.229 ms
Loss rate: 1.92%
```

Run 1: Report of PCC — Data Link



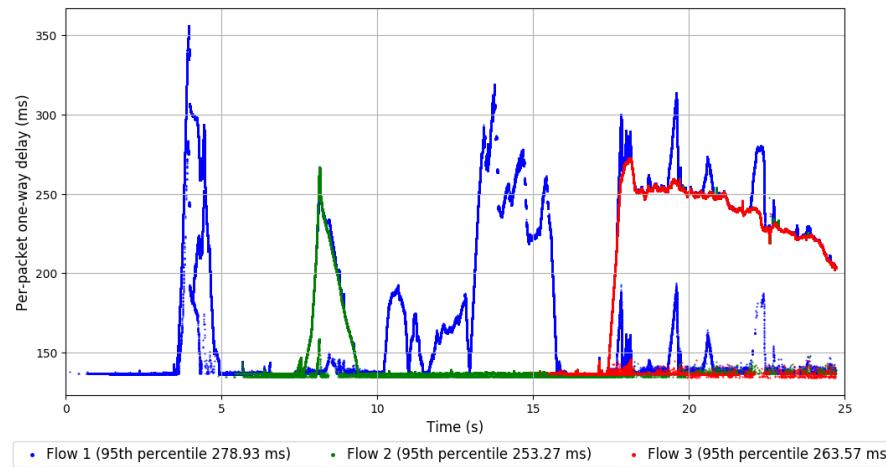
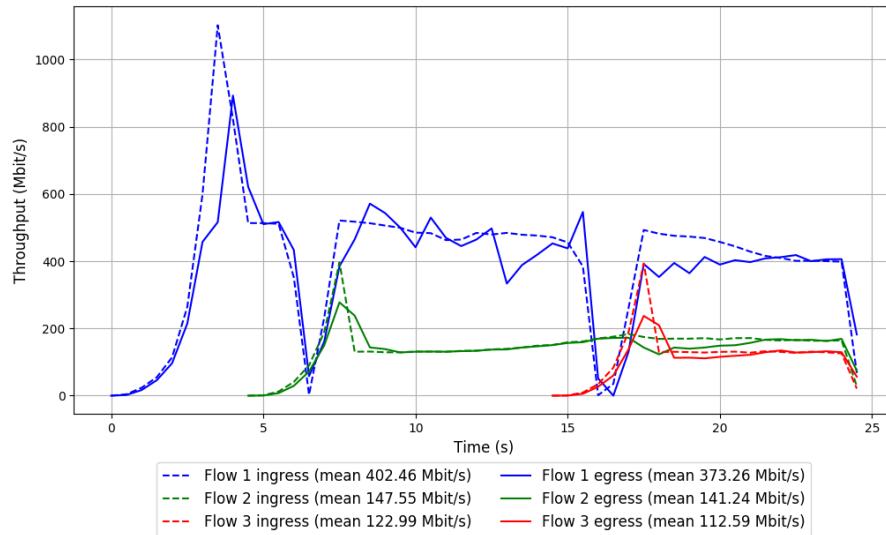
Run 2: Statistics of PCC

Start at: 2017-12-01 11:22:59

End at: 2017-12-01 11:23:29

```
# Below is generated by plot.py at 2017-12-01 14:21:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.16 Mbit/s
95th percentile per-packet one-way delay: 272.797 ms
Loss rate: 6.74%
-- Flow 1:
Average throughput: 373.26 Mbit/s
95th percentile per-packet one-way delay: 278.929 ms
Loss rate: 7.26%
-- Flow 2:
Average throughput: 141.24 Mbit/s
95th percentile per-packet one-way delay: 253.269 ms
Loss rate: 4.27%
-- Flow 3:
Average throughput: 112.59 Mbit/s
95th percentile per-packet one-way delay: 263.571 ms
Loss rate: 8.48%
```

Run 2: Report of PCC — Data Link



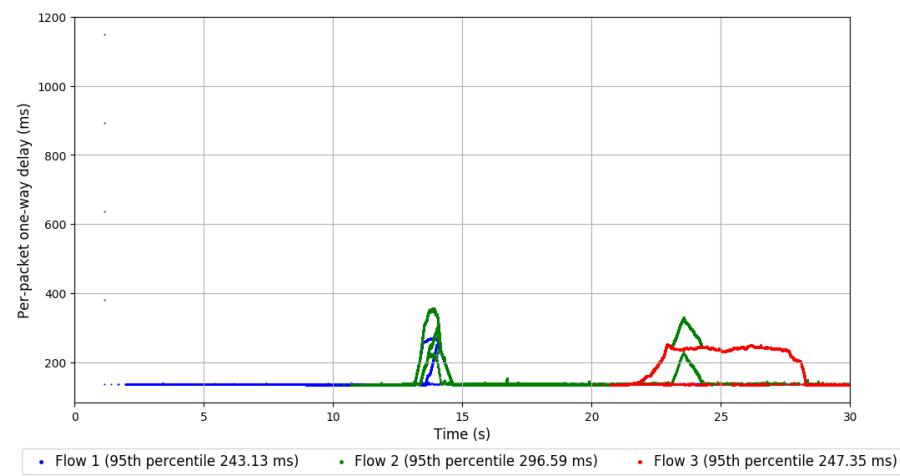
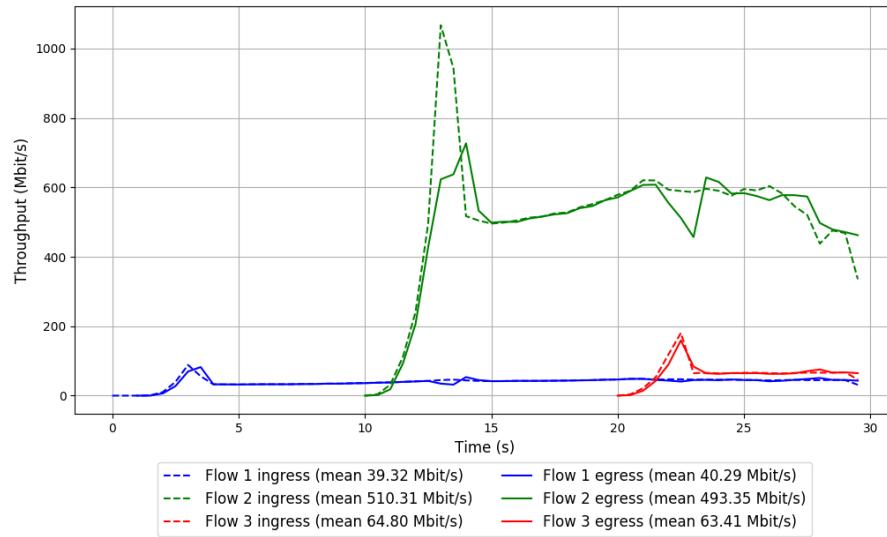
Run 3: Statistics of PCC

Start at: 2017-12-01 11:36:25

End at: 2017-12-01 11:36:55

```
# Below is generated by plot.py at 2017-12-01 14:21:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.36 Mbit/s
95th percentile per-packet one-way delay: 288.825 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 243.128 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 493.35 Mbit/s
95th percentile per-packet one-way delay: 296.587 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 247.350 ms
Loss rate: 2.16%
```

Run 3: Report of PCC — Data Link



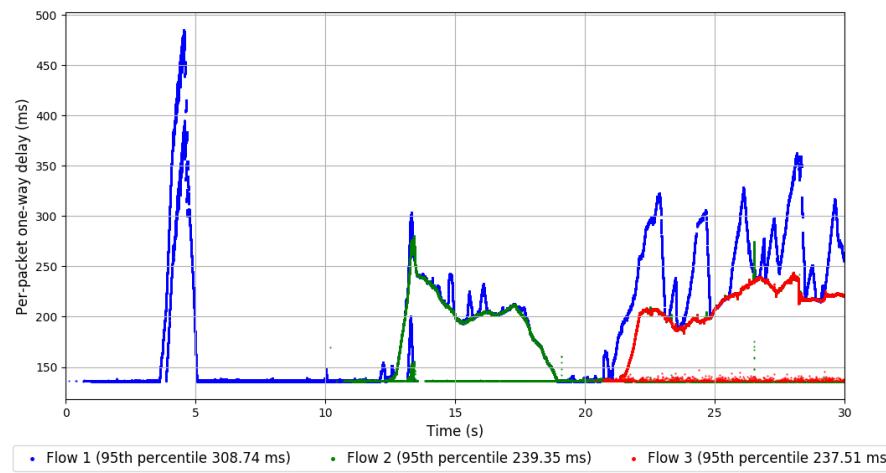
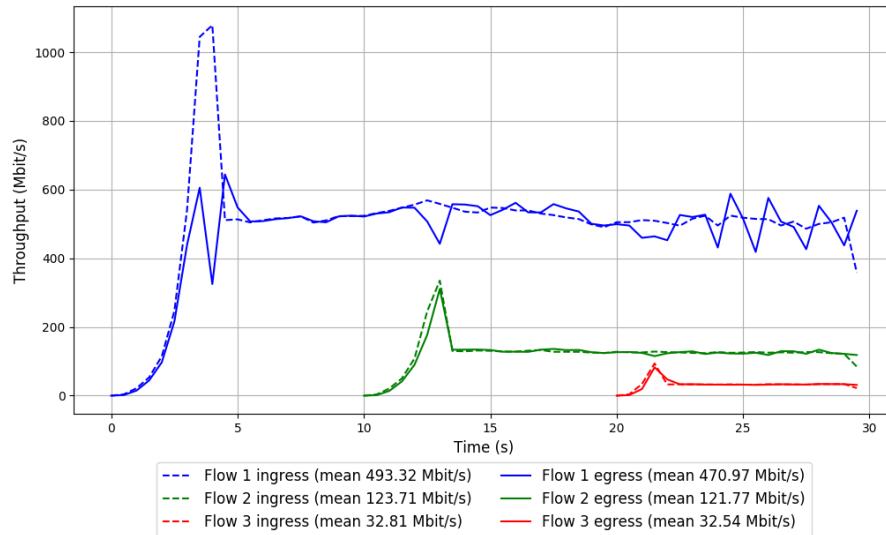
Run 4: Statistics of PCC

Start at: 2017-12-01 11:50:32

End at: 2017-12-01 11:51:02

```
# Below is generated by plot.py at 2017-12-01 14:21:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 562.49 Mbit/s
95th percentile per-packet one-way delay: 302.940 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 470.97 Mbit/s
95th percentile per-packet one-way delay: 308.743 ms
Loss rate: 4.52%
-- Flow 2:
Average throughput: 121.77 Mbit/s
95th percentile per-packet one-way delay: 239.352 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 237.507 ms
Loss rate: 0.83%
```

Run 4: Report of PCC — Data Link

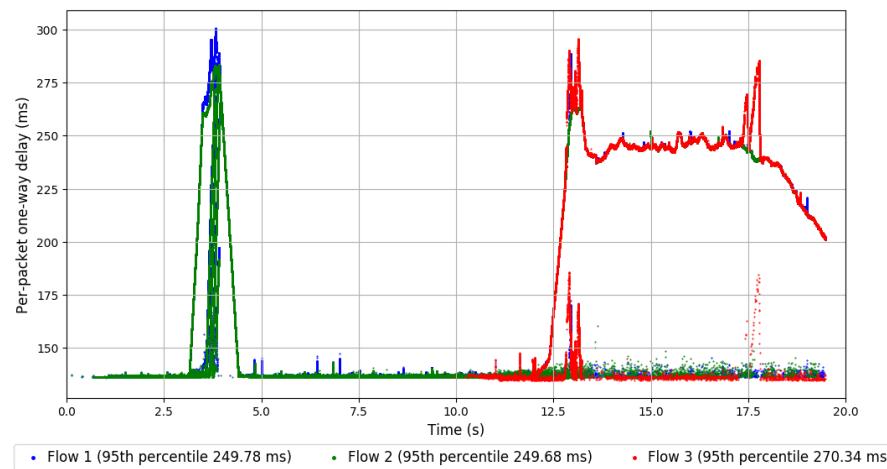
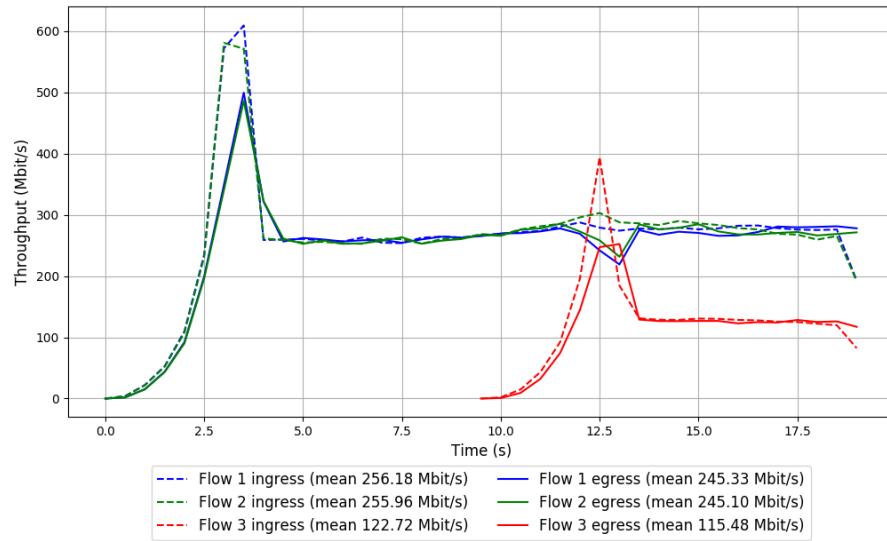


Run 5: Statistics of PCC

Start at: 2017-12-01 12:04:42

End at: 2017-12-01 12:05:12

Run 5: Report of PCC — Data Link



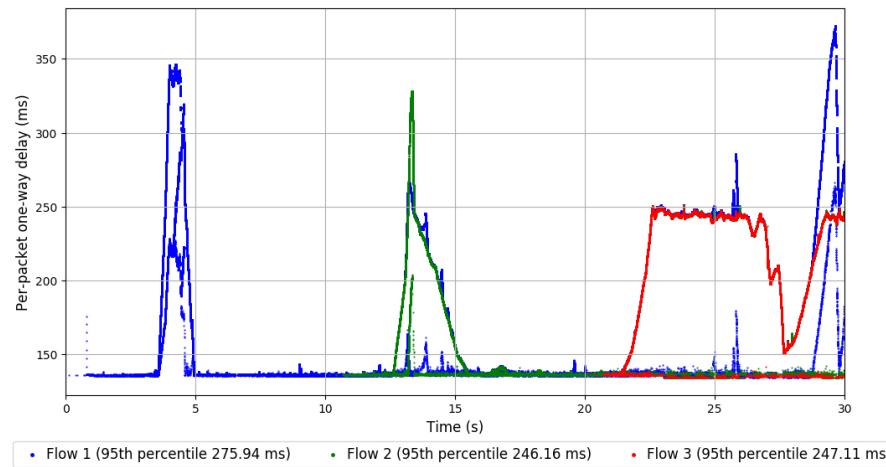
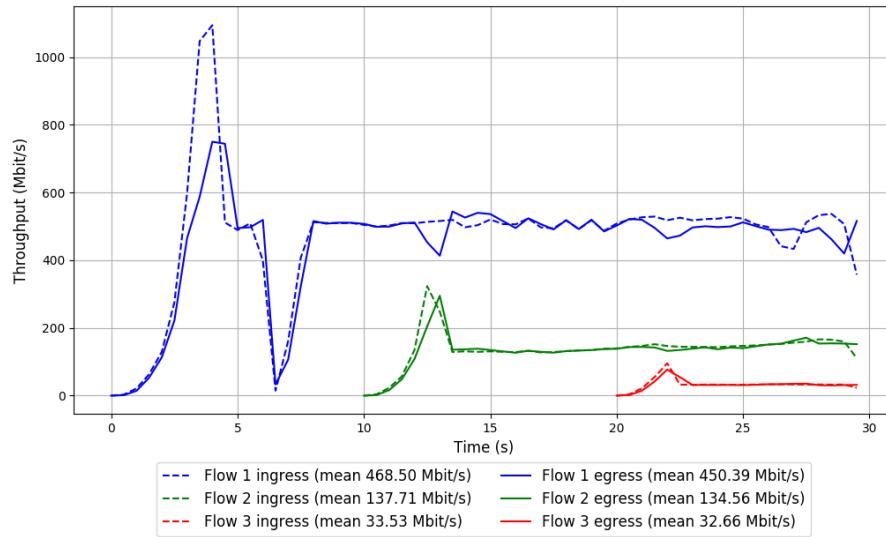
Run 6: Statistics of PCC

Start at: 2017-12-01 12:18:31

End at: 2017-12-01 12:19:01

```
# Below is generated by plot.py at 2017-12-01 14:22:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 550.57 Mbit/s
95th percentile per-packet one-way delay: 264.907 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 450.39 Mbit/s
95th percentile per-packet one-way delay: 275.945 ms
Loss rate: 3.86%
-- Flow 2:
Average throughput: 134.56 Mbit/s
95th percentile per-packet one-way delay: 246.161 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 247.113 ms
Loss rate: 2.59%
```

Run 6: Report of PCC — Data Link

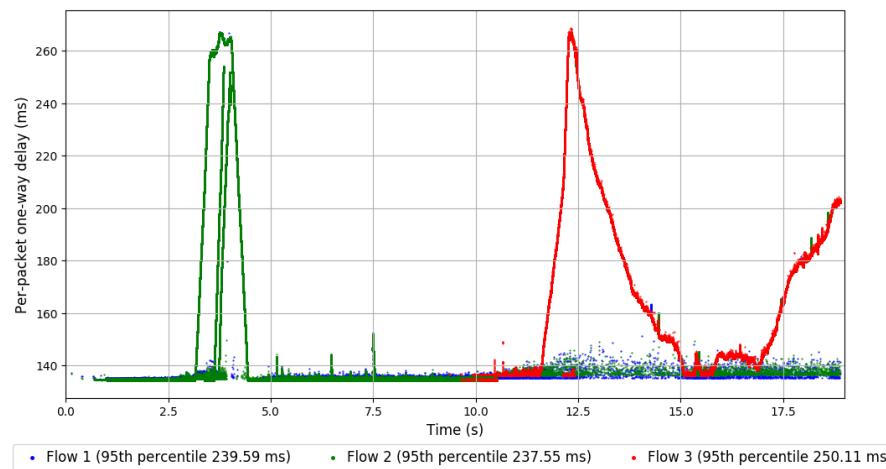
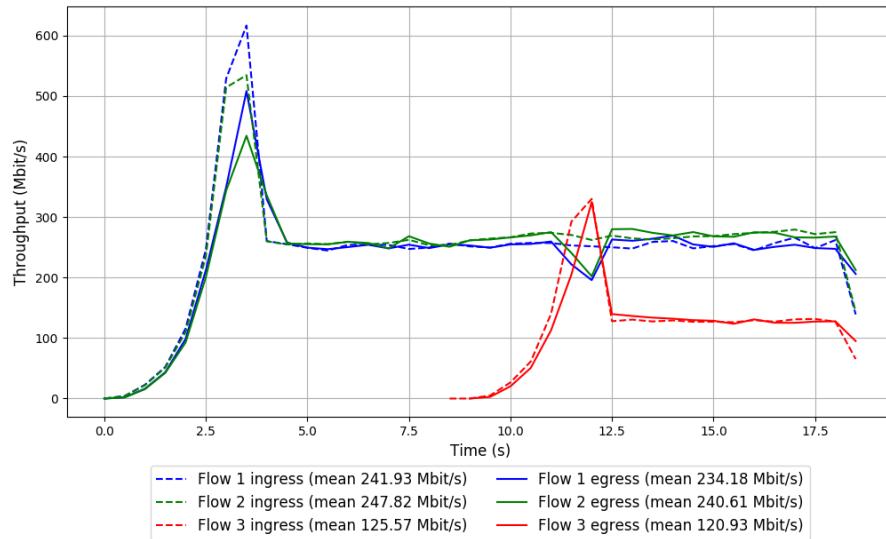


Run 7: Statistics of PCC

Start at: 2017-12-01 12:32:12

End at: 2017-12-01 12:32:42

Run 7: Report of PCC — Data Link



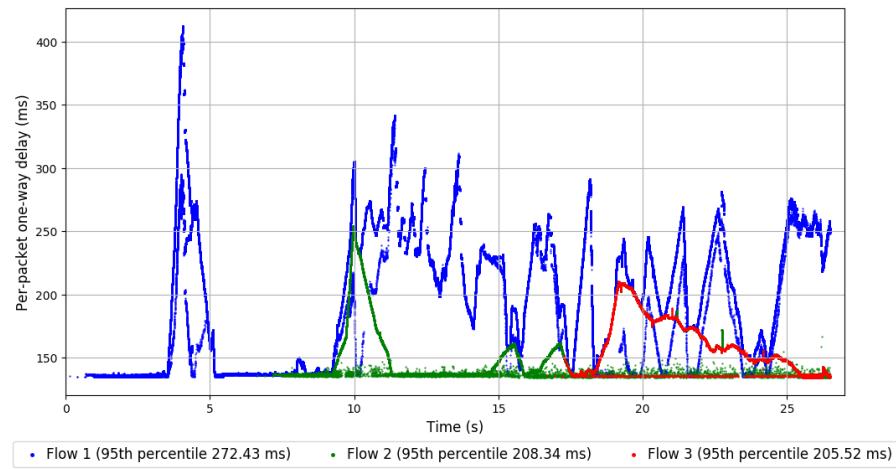
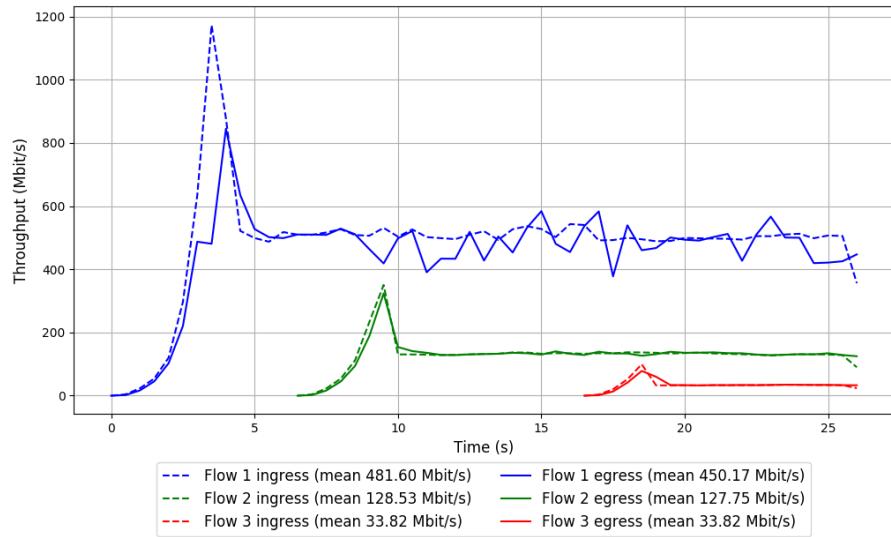
Run 8: Statistics of PCC

Start at: 2017-12-01 12:45:55

End at: 2017-12-01 12:46:25

```
# Below is generated by plot.py at 2017-12-01 14:22:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.95 Mbit/s
95th percentile per-packet one-way delay: 269.252 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 450.17 Mbit/s
95th percentile per-packet one-way delay: 272.430 ms
Loss rate: 6.52%
-- Flow 2:
Average throughput: 127.75 Mbit/s
95th percentile per-packet one-way delay: 208.335 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 205.517 ms
Loss rate: 0.01%
```

Run 8: Report of PCC — Data Link



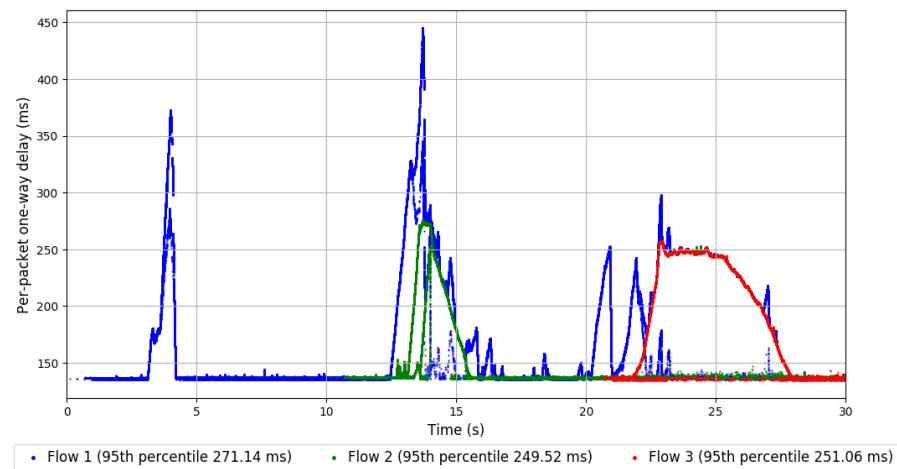
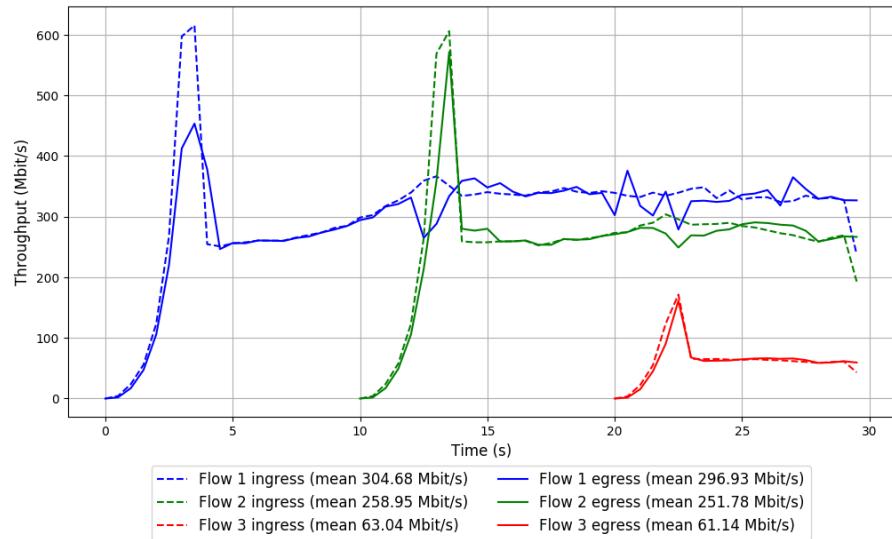
Run 9: Statistics of PCC

Start at: 2017-12-01 13:00:20

End at: 2017-12-01 13:00:50

```
# Below is generated by plot.py at 2017-12-01 14:28:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.38 Mbit/s
95th percentile per-packet one-way delay: 256.283 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 296.93 Mbit/s
95th percentile per-packet one-way delay: 271.144 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 251.78 Mbit/s
95th percentile per-packet one-way delay: 249.522 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 251.060 ms
Loss rate: 2.99%
```

Run 9: Report of PCC — Data Link



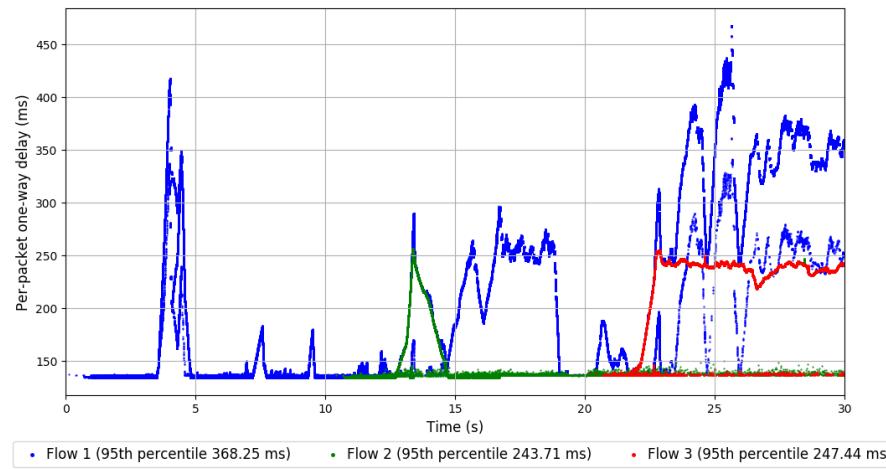
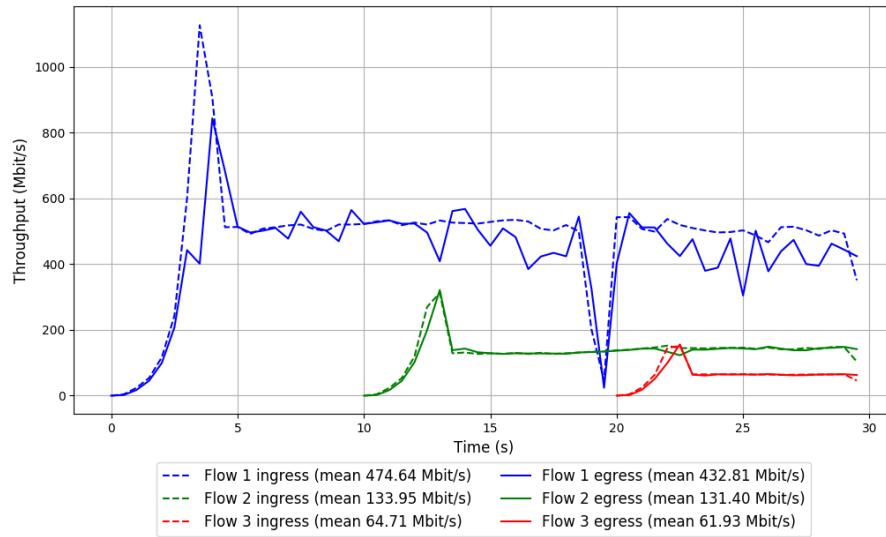
Run 10: Statistics of PCC

Start at: 2017-12-01 13:13:57

End at: 2017-12-01 13:14:27

```
# Below is generated by plot.py at 2017-12-01 14:29:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 540.54 Mbit/s
95th percentile per-packet one-way delay: 363.534 ms
Loss rate: 7.59%
-- Flow 1:
Average throughput: 432.81 Mbit/s
95th percentile per-packet one-way delay: 368.254 ms
Loss rate: 8.81%
-- Flow 2:
Average throughput: 131.40 Mbit/s
95th percentile per-packet one-way delay: 243.710 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 247.435 ms
Loss rate: 4.29%
```

Run 10: Report of PCC — Data Link

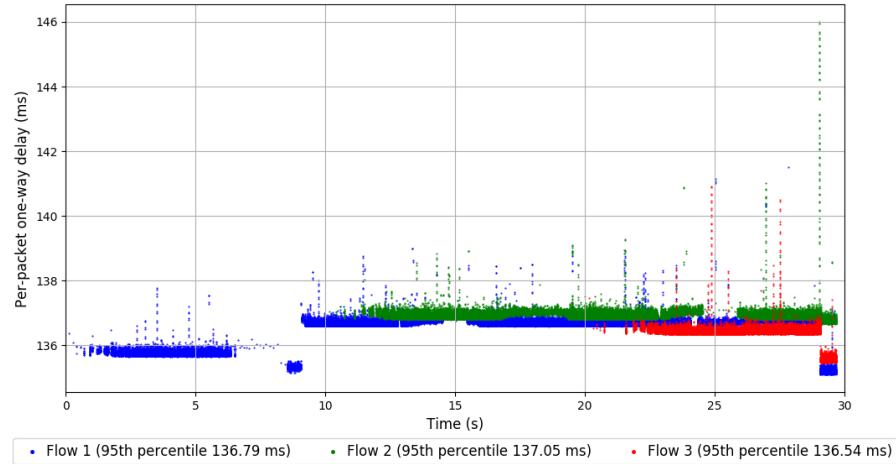
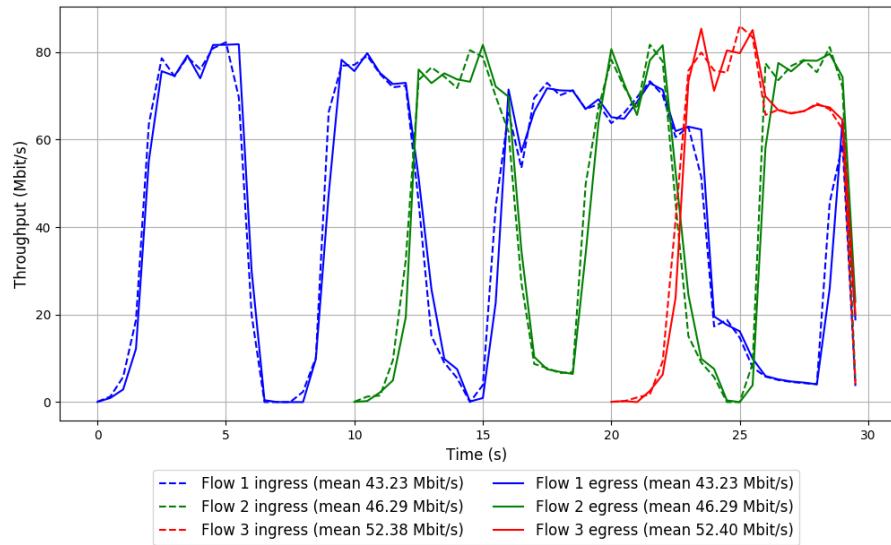


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-01 11:11:04
End at: 2017-12-01 11:11:34

# Below is generated by plot.py at 2017-12-01 14:29:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.71 Mbit/s
95th percentile per-packet one-way delay: 136.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.23 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 137.046 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 136.545 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



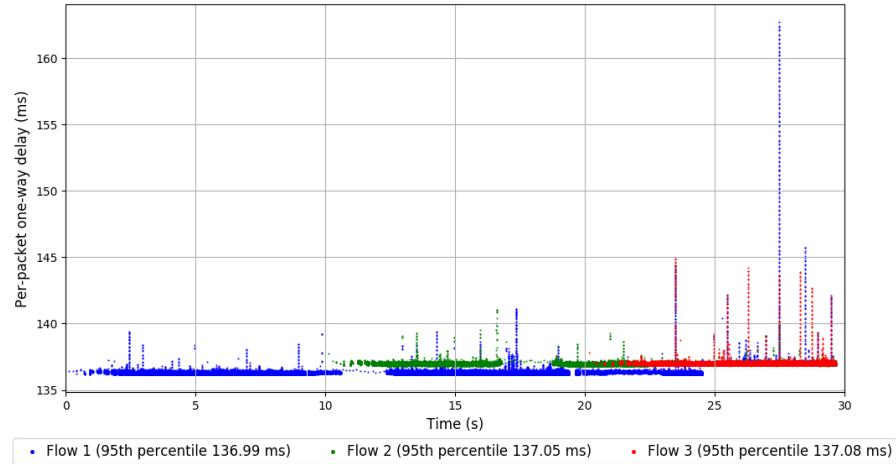
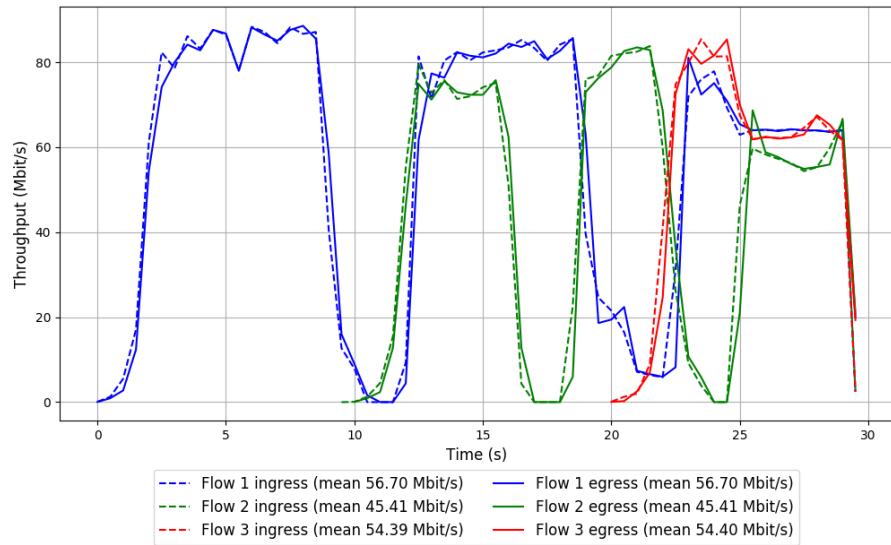
Run 2: Statistics of QUIC Cubic

Start at: 2017-12-01 11:24:59

End at: 2017-12-01 11:25:29

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.21 Mbit/s
95th percentile per-packet one-way delay: 137.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 136.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 137.048 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 137.076 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



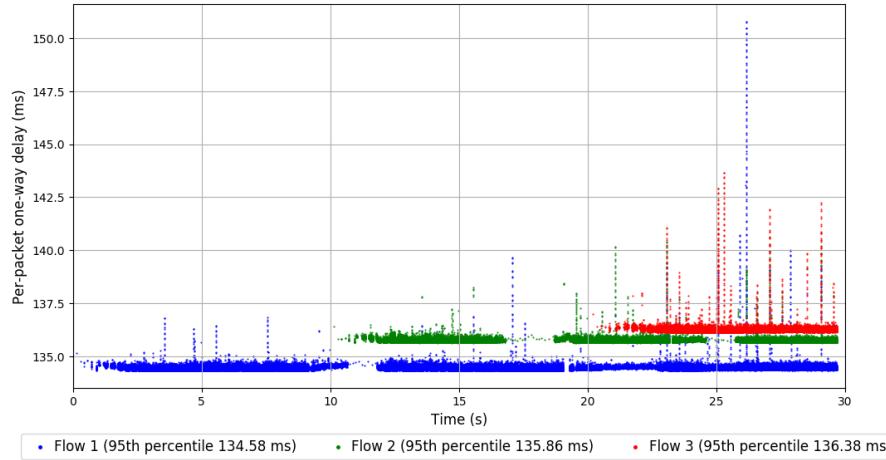
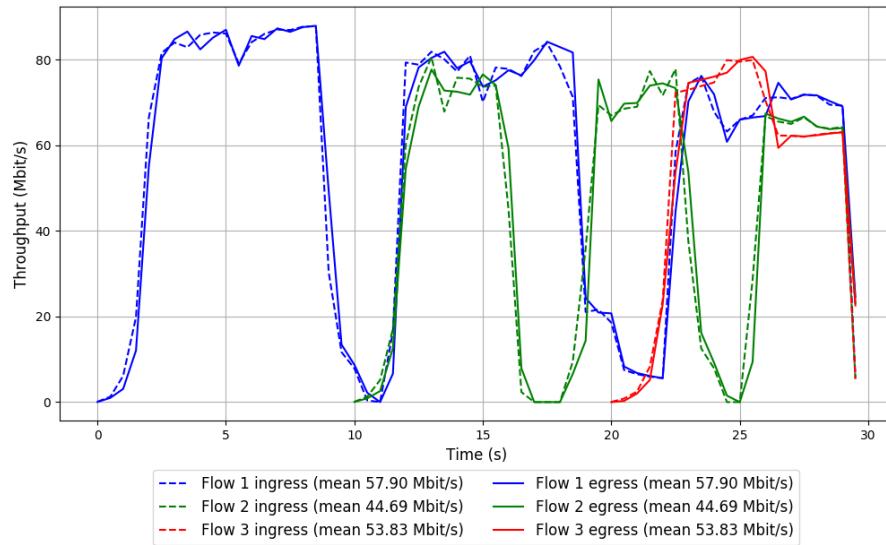
```
Run 3: Statistics of QUIC Cubic
```

```
Start at: 2017-12-01 11:38:24
```

```
End at: 2017-12-01 11:38:54
```

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.69 Mbit/s
95th percentile per-packet one-way delay: 136.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 134.579 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.69 Mbit/s
95th percentile per-packet one-way delay: 135.861 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 136.378 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

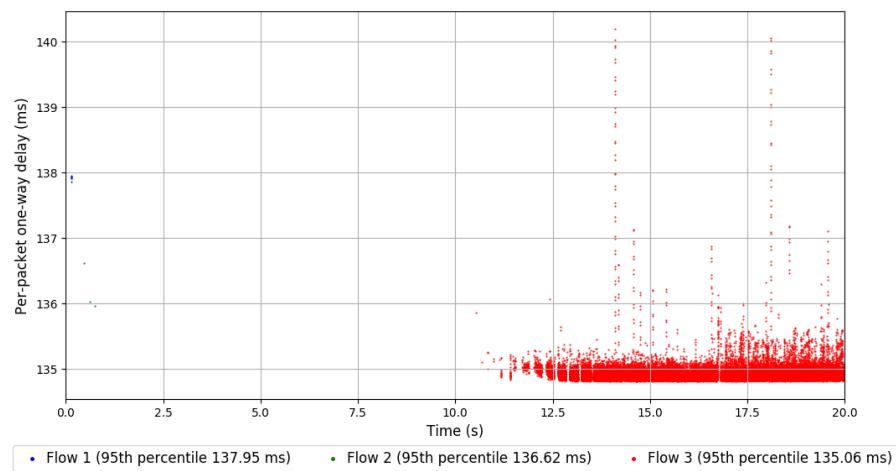
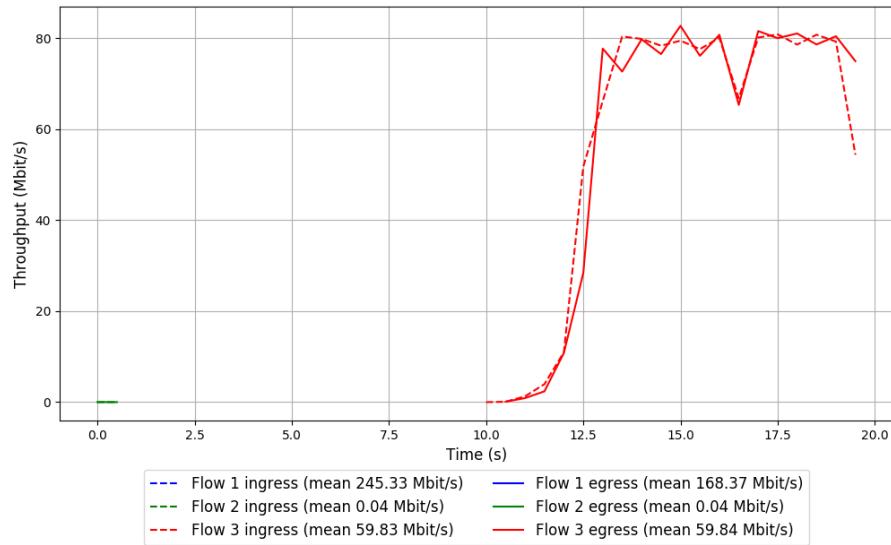


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-01 11:52:42

End at: 2017-12-01 11:53:12

Run 4: Report of QUIC Cubic — Data Link



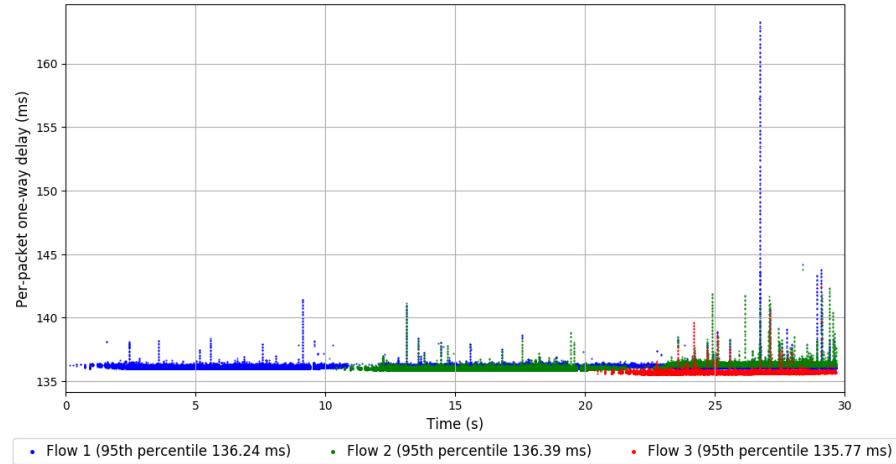
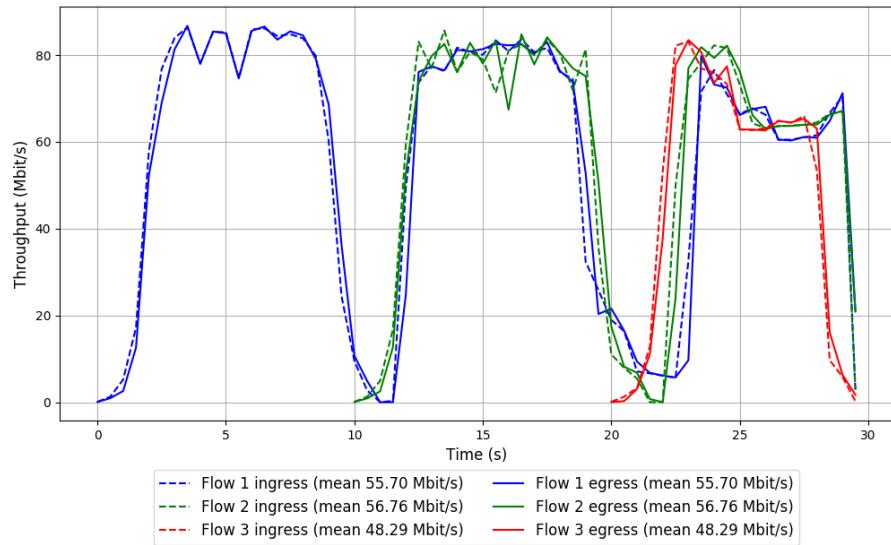
Run 5: Statistics of QUIC Cubic

Start at: 2017-12-01 12:06:40

End at: 2017-12-01 12:07:10

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.72 Mbit/s
95th percentile per-packet one-way delay: 136.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 136.240 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 136.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 135.774 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link



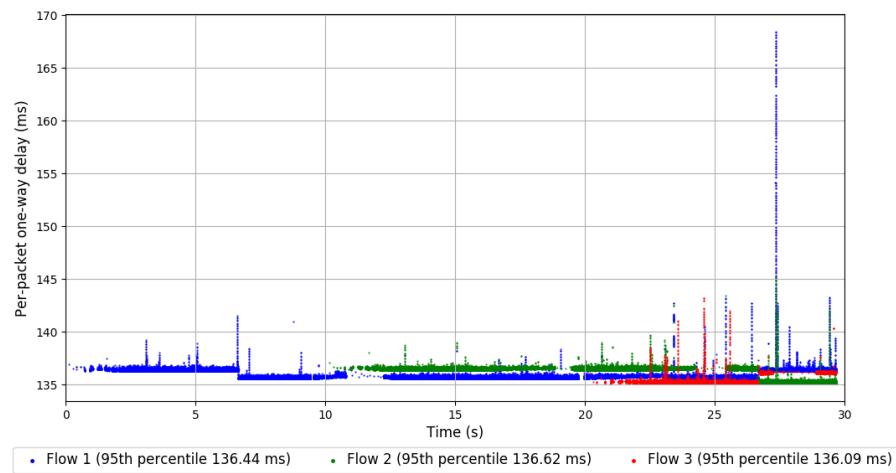
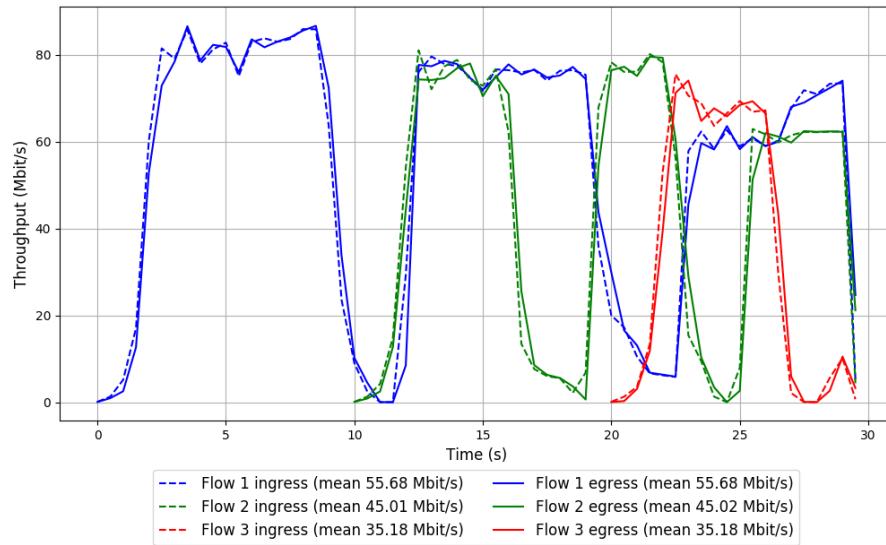
Run 6: Statistics of QUIC Cubic

Start at: 2017-12-01 12:20:37

End at: 2017-12-01 12:21:07

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 136.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 136.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 136.619 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 136.088 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link



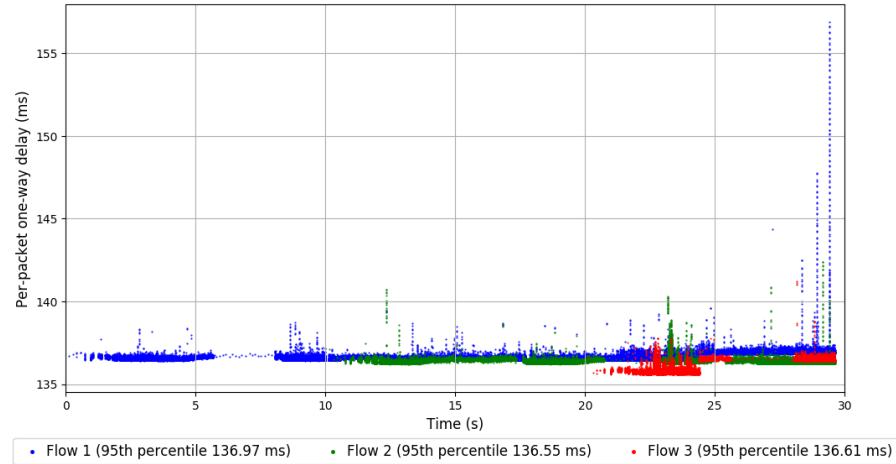
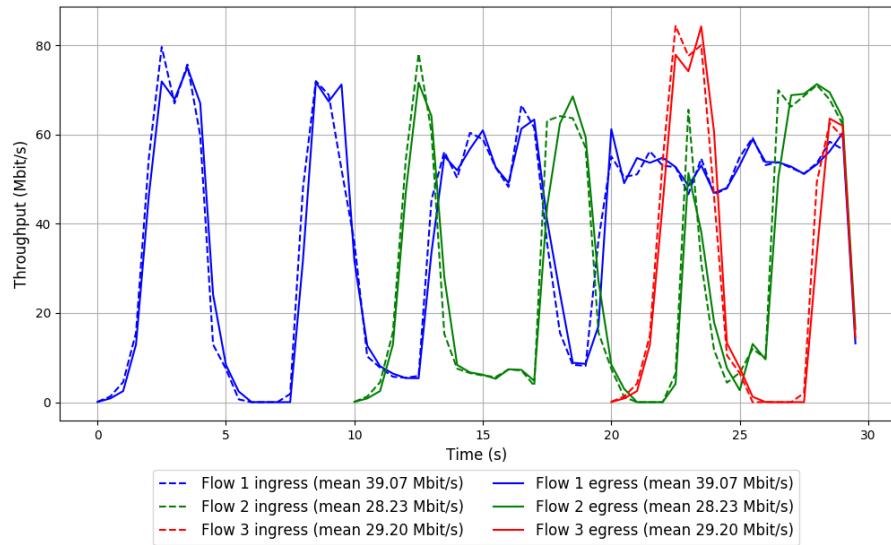
Run 7: Statistics of QUIC Cubic

Start at: 2017-12-01 12:34:09

End at: 2017-12-01 12:34:39

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.08 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 136.975 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 136.548 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 136.613 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link



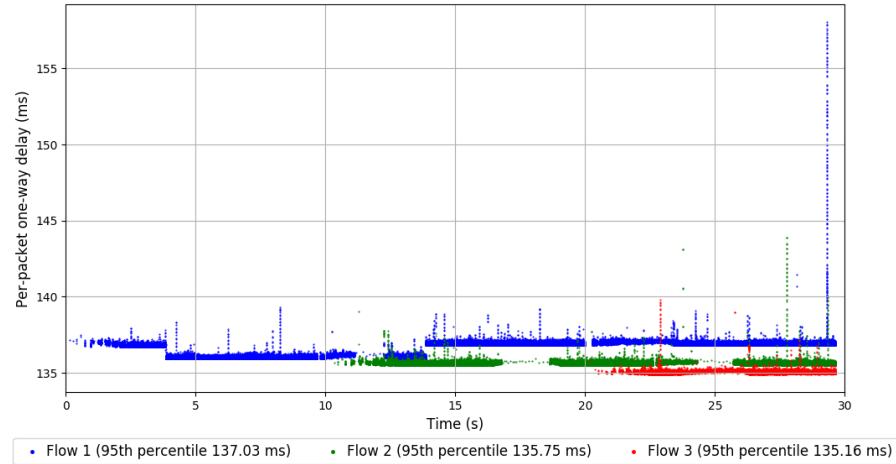
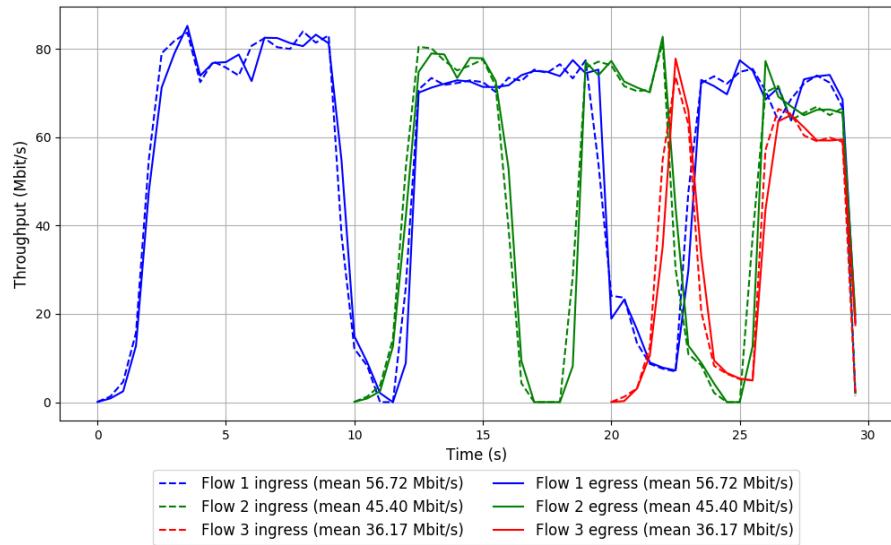
Run 8: Statistics of QUIC Cubic

Start at: 2017-12-01 12:48:00

End at: 2017-12-01 12:48:30

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.20 Mbit/s
95th percentile per-packet one-way delay: 136.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 137.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.40 Mbit/s
95th percentile per-packet one-way delay: 135.754 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 135.163 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link



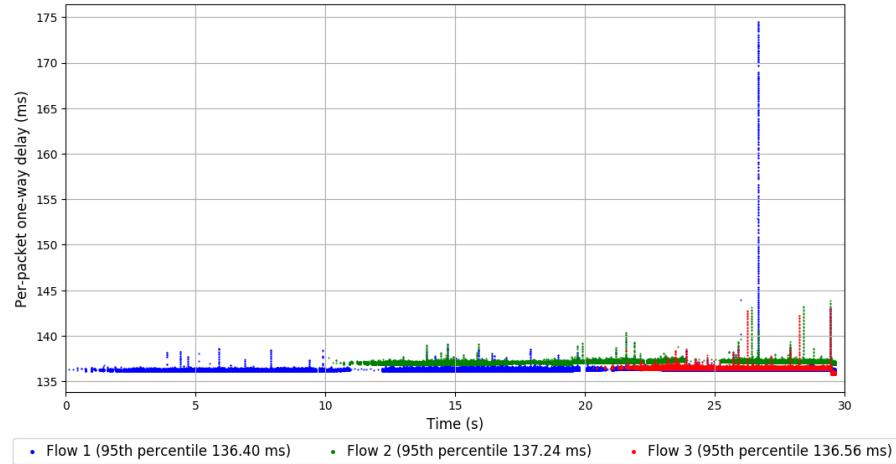
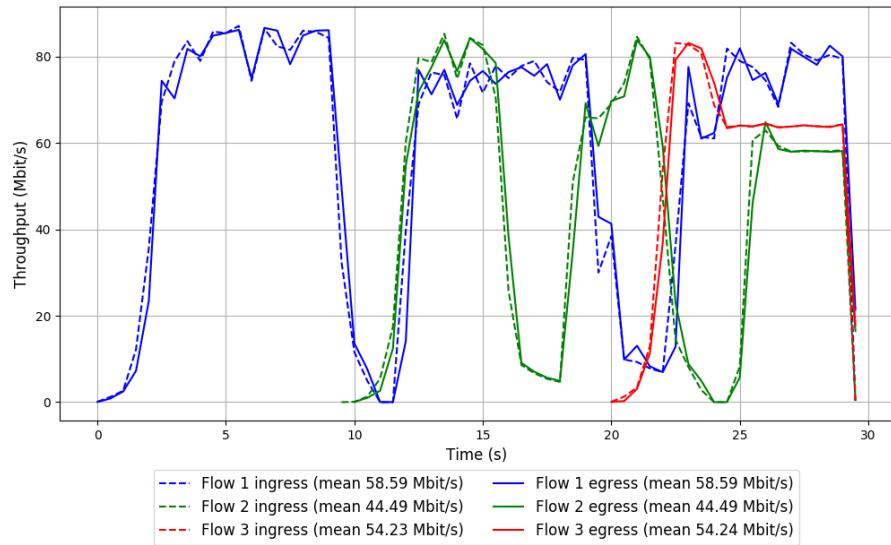
Run 9: Statistics of QUIC Cubic

Start at: 2017-12-01 13:02:24

End at: 2017-12-01 13:02:54

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 105.41 Mbit/s
95th percentile per-packet one-way delay: 137.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 136.397 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 137.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.24 Mbit/s
95th percentile per-packet one-way delay: 136.561 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link



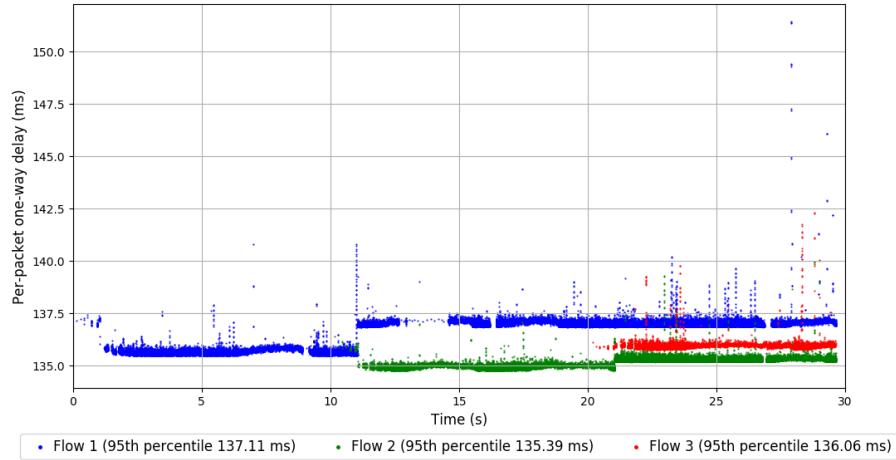
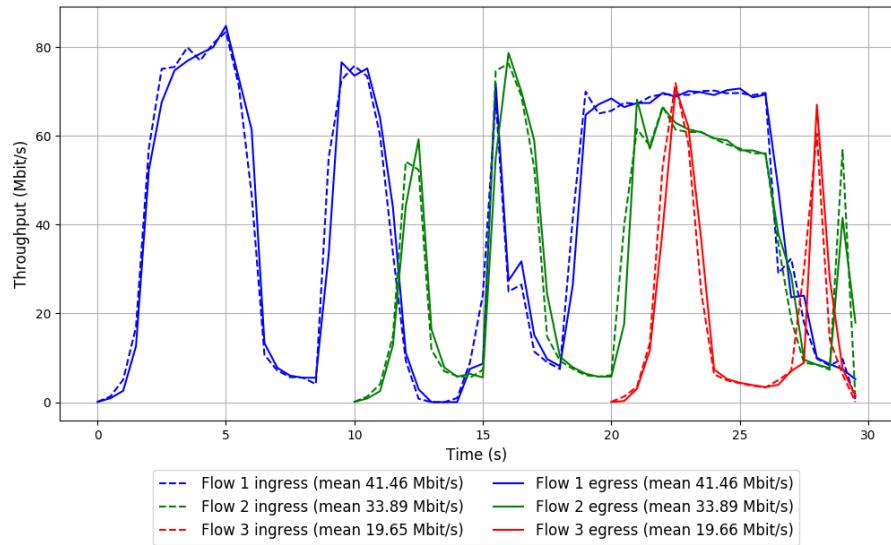
Run 10: Statistics of QUIC Cubic

Start at: 2017-12-01 13:16:02

End at: 2017-12-01 13:16:32

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 137.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.46 Mbit/s
95th percentile per-packet one-way delay: 137.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 135.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 136.061 ms
Loss rate: 0.01%
```

Run 10: Report of QUIC Cubic — Data Link

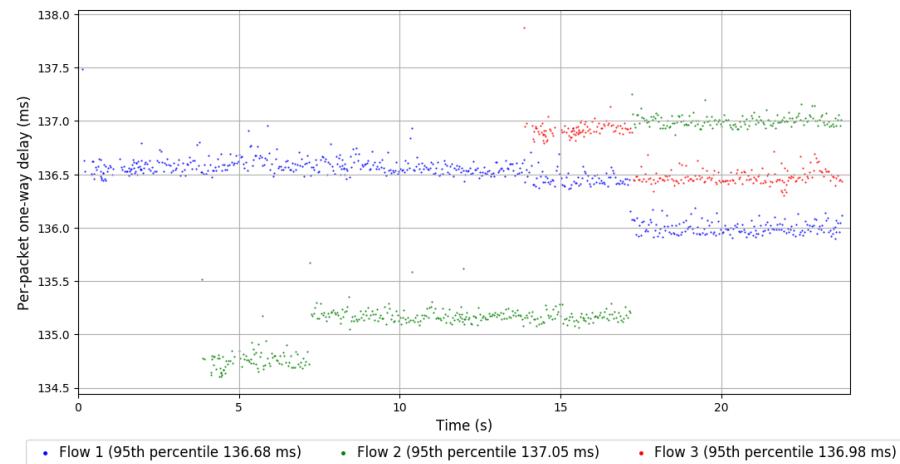
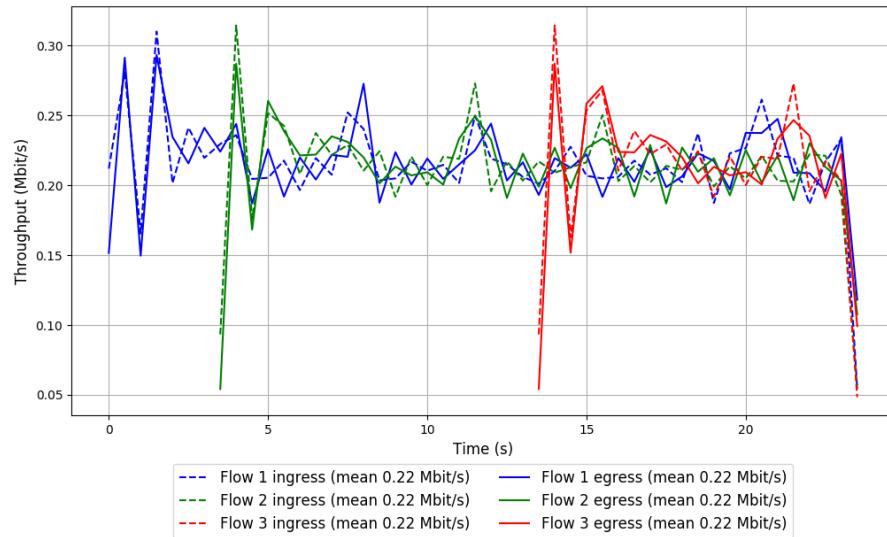


Run 1: Statistics of SCReAM

Start at: 2017-12-01 11:06:50

End at: 2017-12-01 11:07:20

Run 1: Report of SCReAM — Data Link



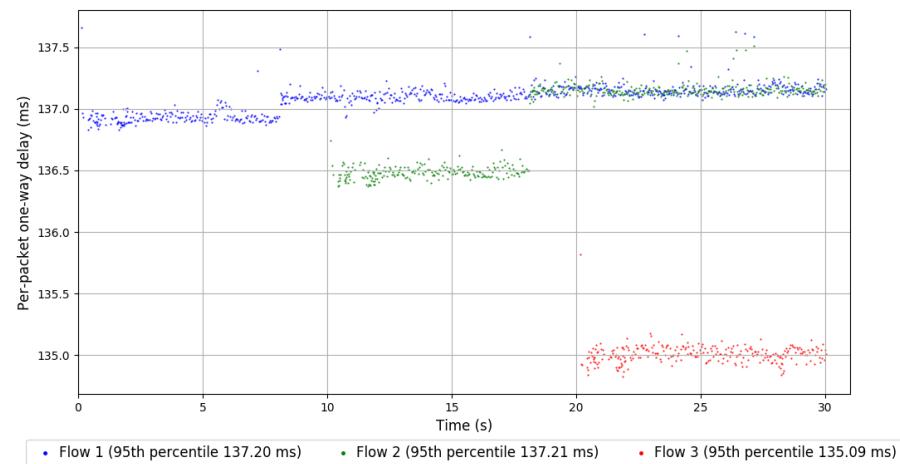
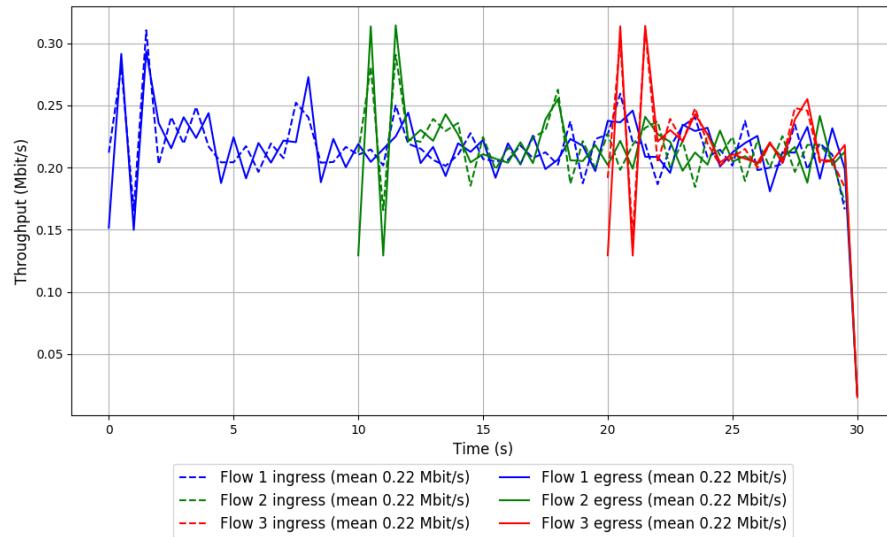
Run 2: Statistics of SCReAM

Start at: 2017-12-01 11:20:56

End at: 2017-12-01 11:21:26

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.207 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.085 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link



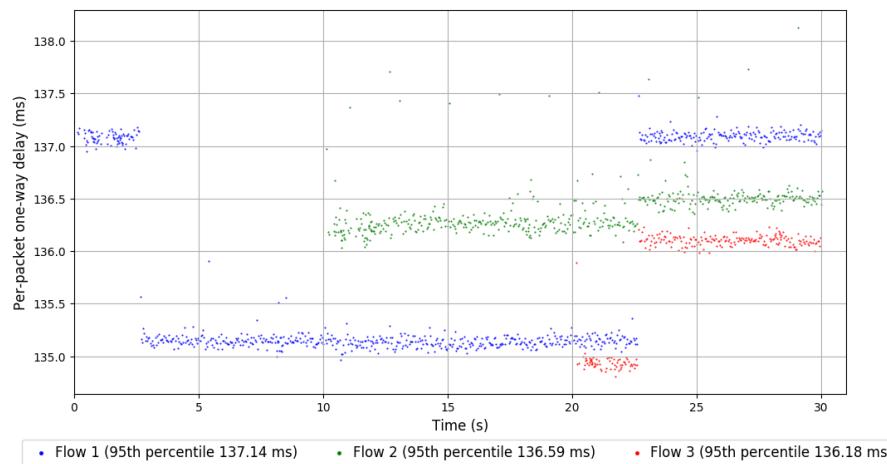
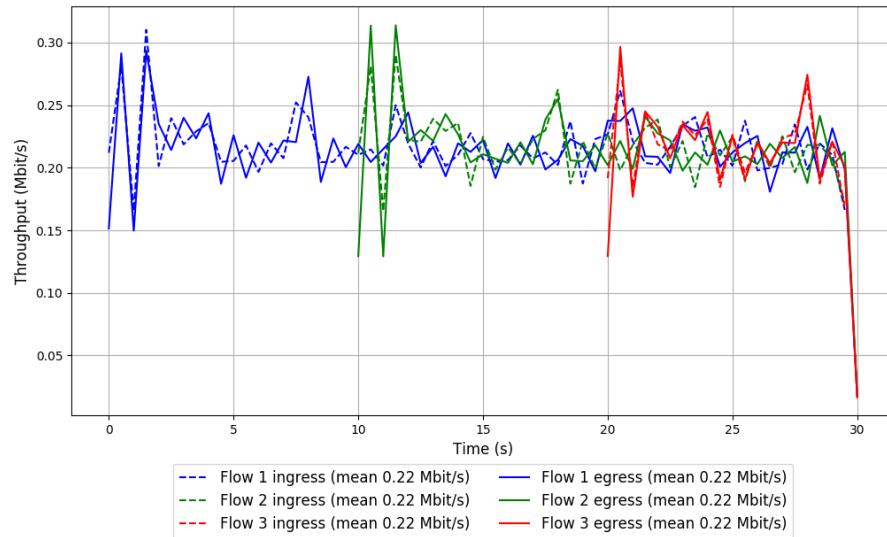
Run 3: Statistics of SCReAM

Start at: 2017-12-01 11:34:41

End at: 2017-12-01 11:35:11

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.592 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.183 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link



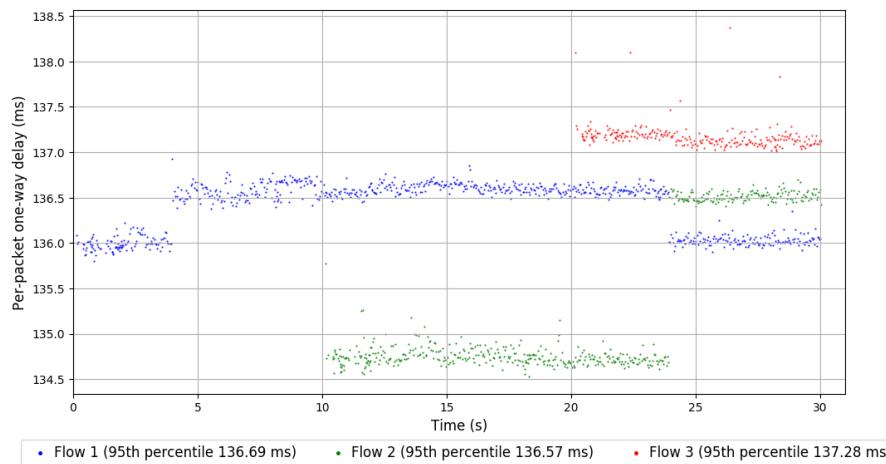
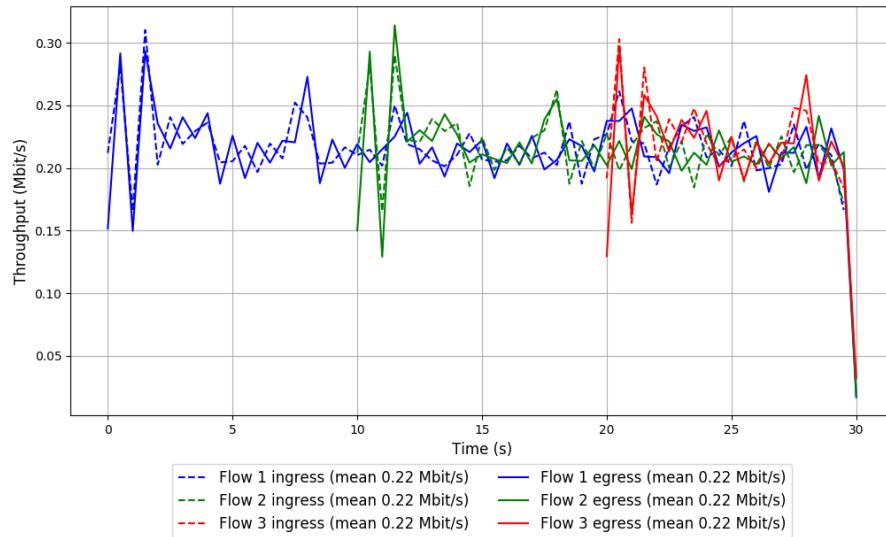
Run 4: Statistics of SCReAM

Start at: 2017-12-01 11:48:20

End at: 2017-12-01 11:48:50

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.282 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link



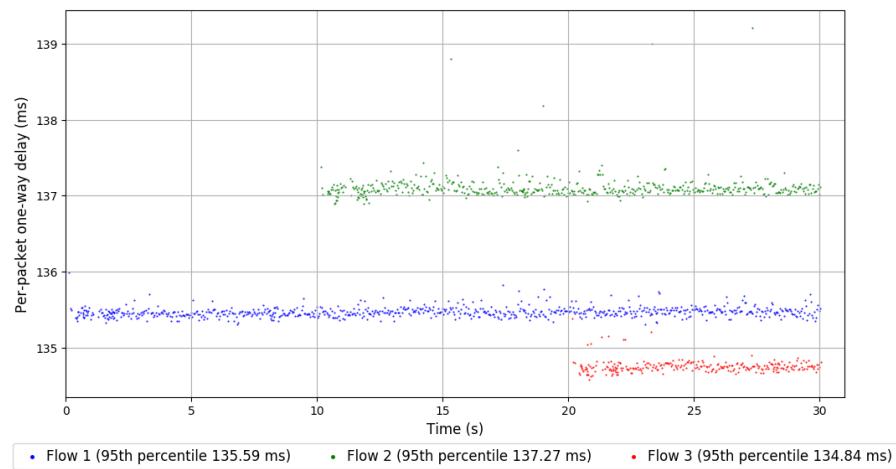
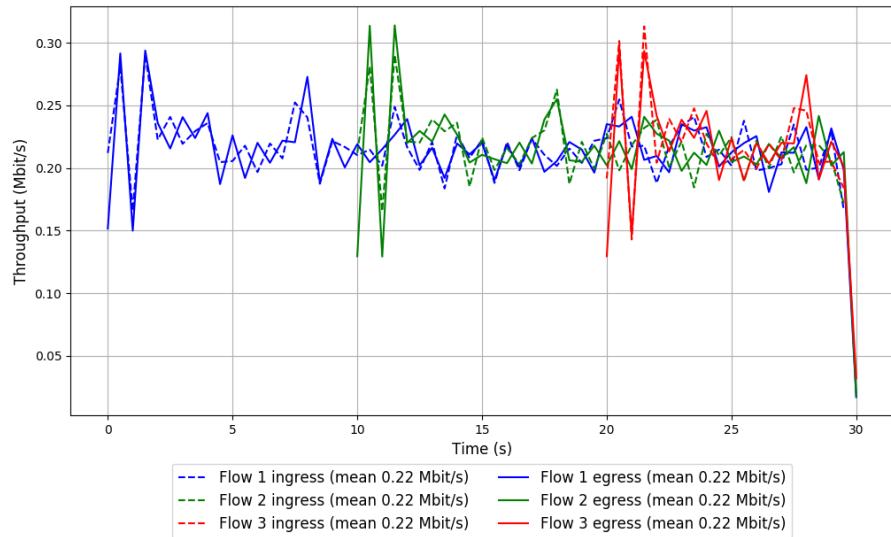
Run 5: Statistics of SCReAM

Start at: 2017-12-01 12:02:46

End at: 2017-12-01 12:03:16

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.592 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.267 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.844 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



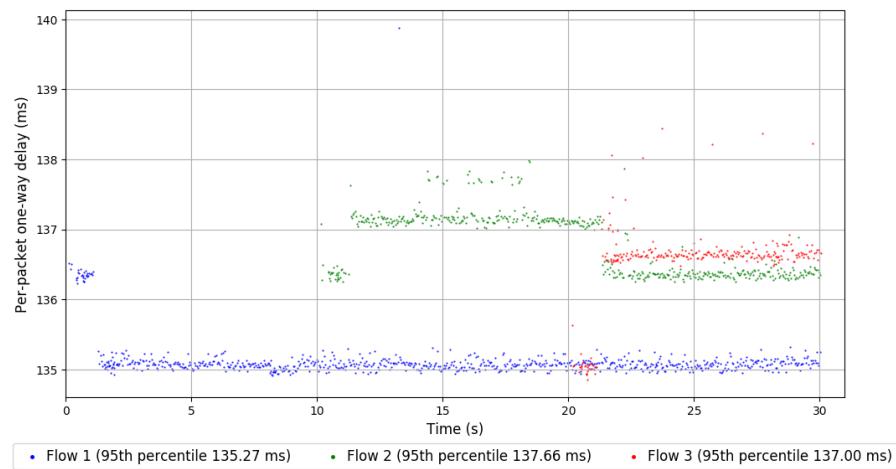
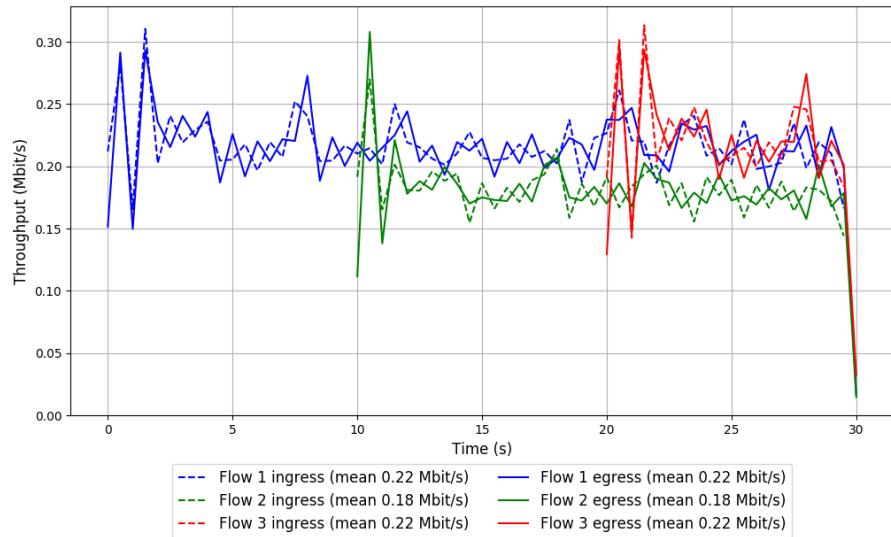
Run 6: Statistics of SCReAM

Start at: 2017-12-01 12:16:32

End at: 2017-12-01 12:17:03

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 137.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 137.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.003 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



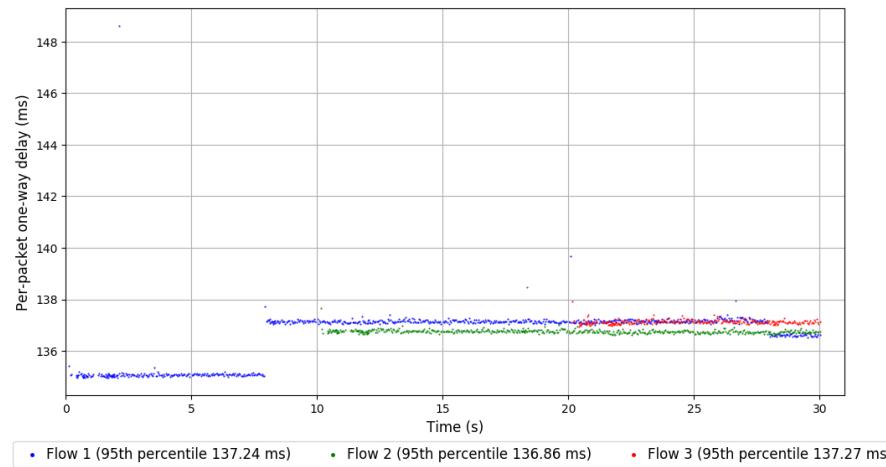
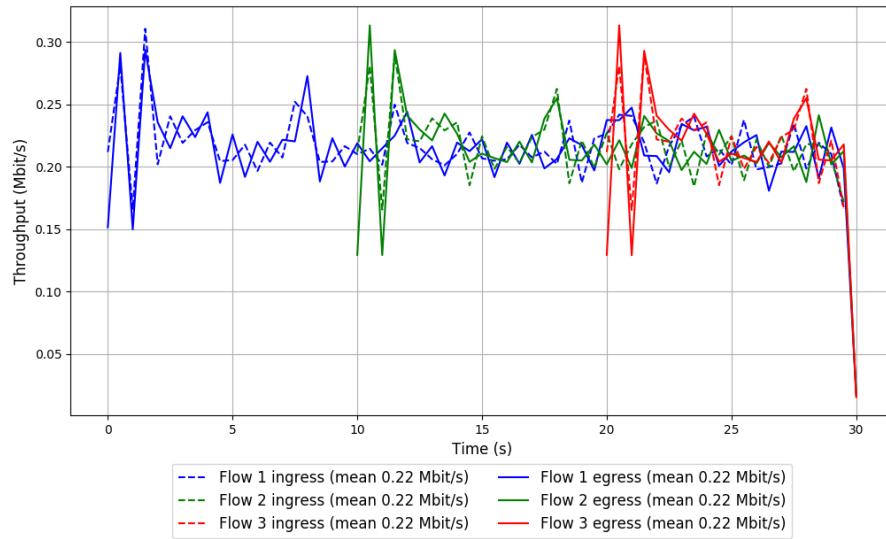
Run 7: Statistics of SCReAM

Start at: 2017-12-01 12:30:26

End at: 2017-12-01 12:30:56

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.266 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link



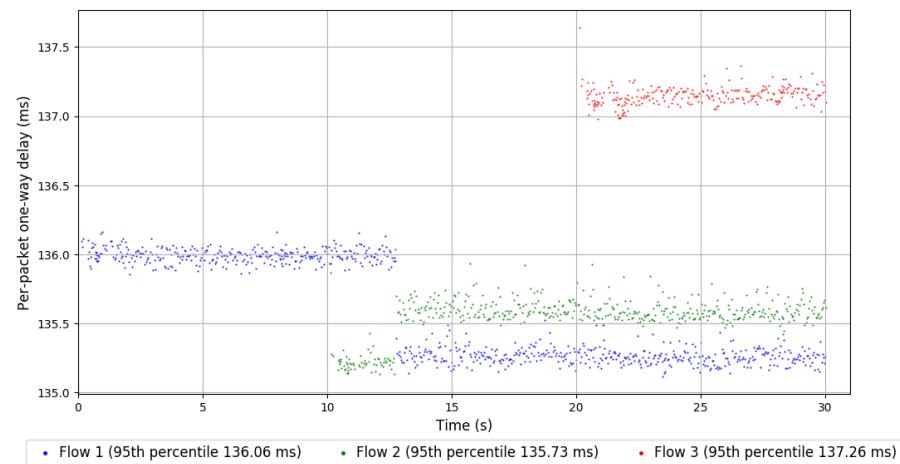
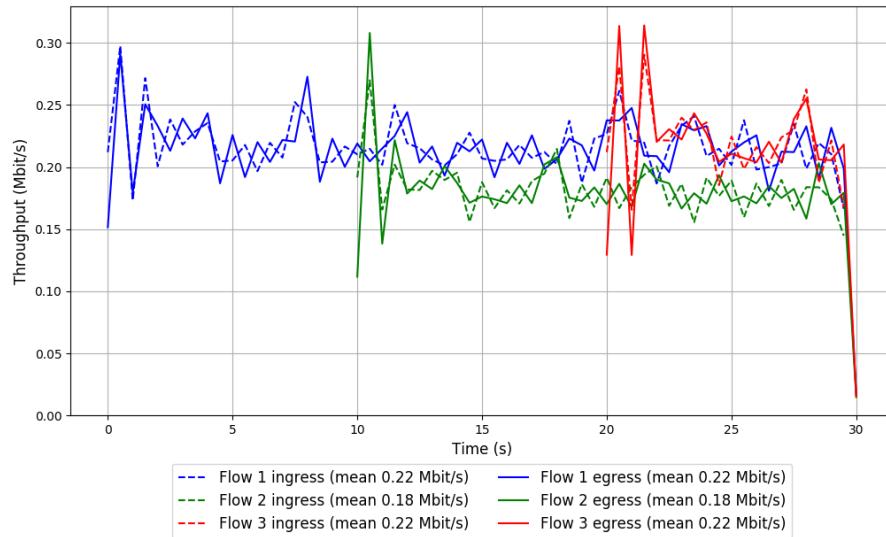
Run 8: Statistics of SCReAM

Start at: 2017-12-01 12:44:01

End at: 2017-12-01 12:44:31

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 137.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 135.727 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.256 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link



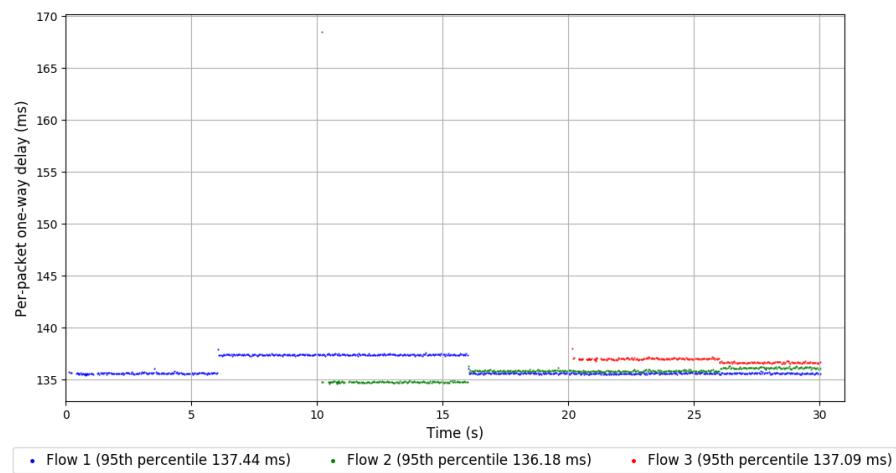
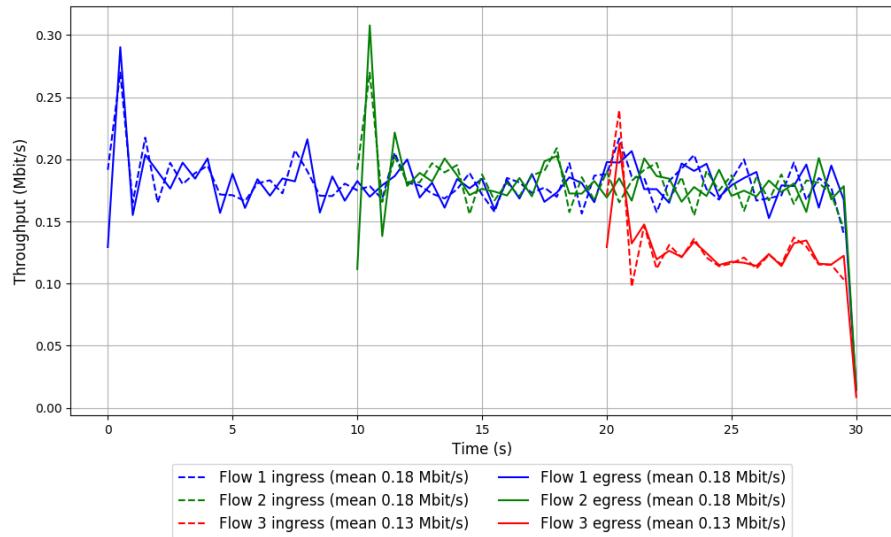
Run 9: Statistics of SCReAM

Start at: 2017-12-01 12:58:08

End at: 2017-12-01 12:58:38

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 137.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 137.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.176 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 137.088 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link



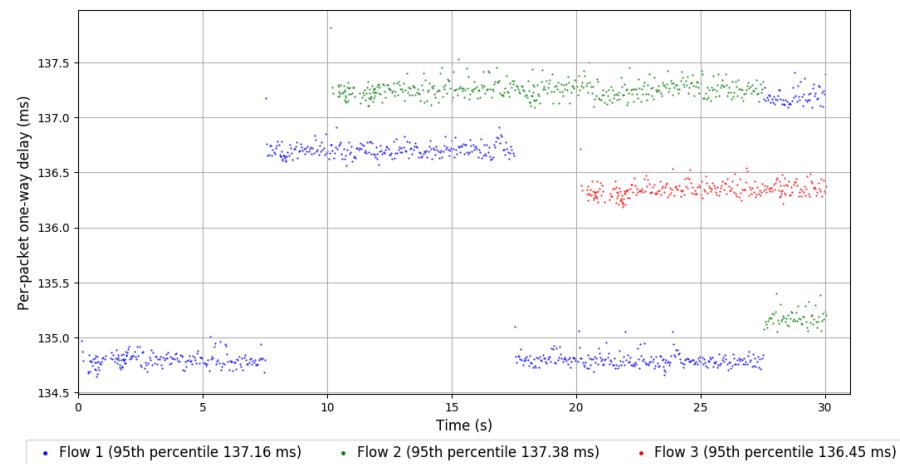
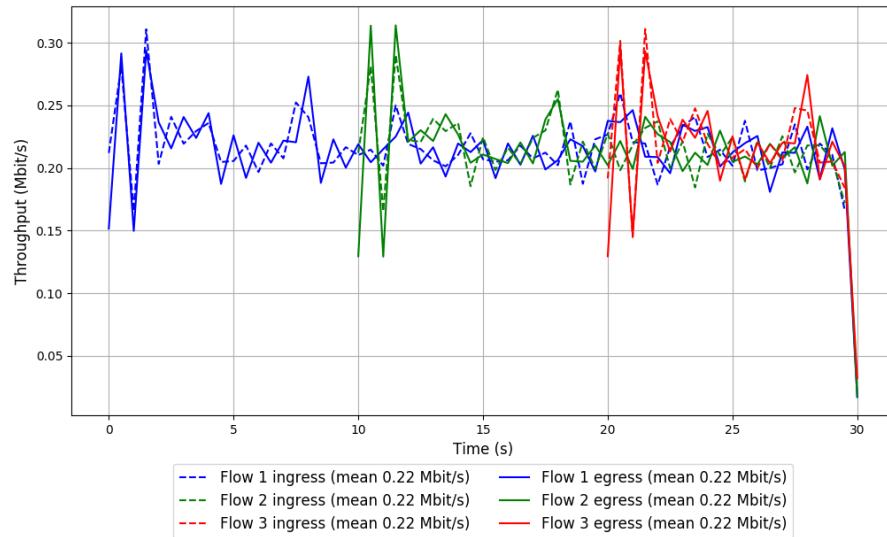
Run 10: Statistics of SCReAM

Start at: 2017-12-01 13:12:16

End at: 2017-12-01 13:12:46

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.380 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.448 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

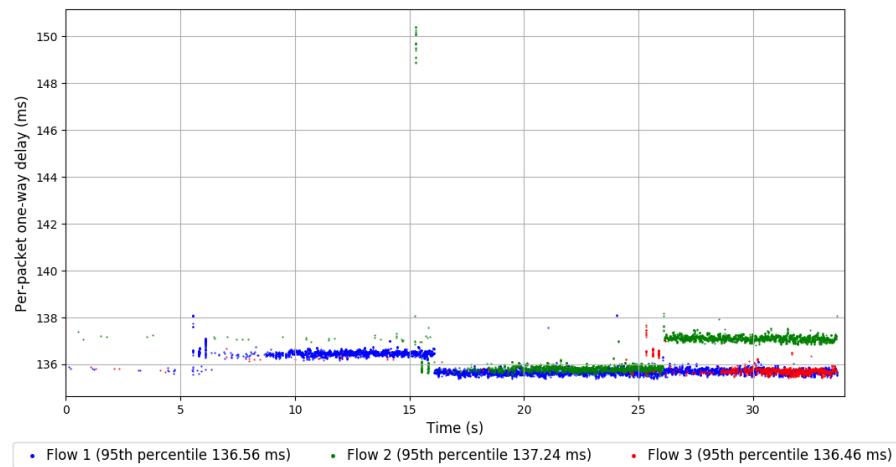
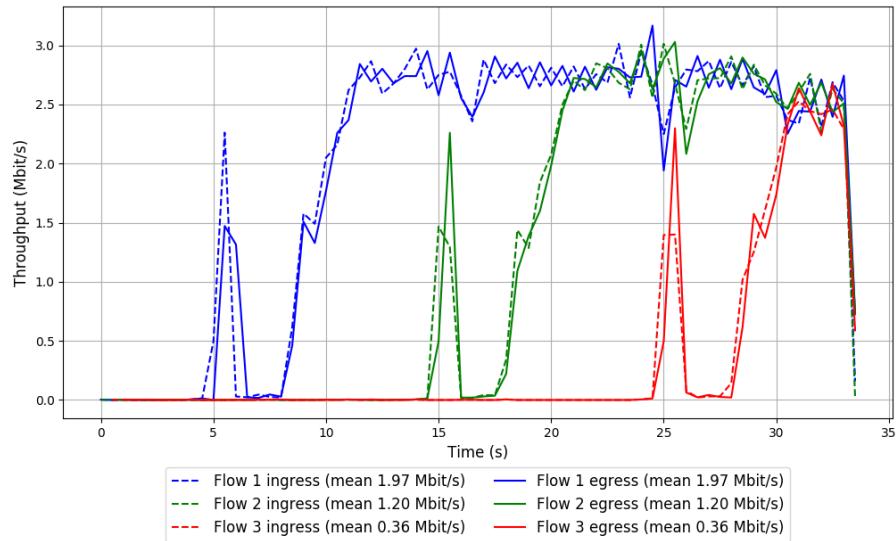


```
Run 1: Statistics of WebRTC media

Start at: 2017-12-01 11:19:11
End at: 2017-12-01 11:19:41

# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 137.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 136.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 137.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.460 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



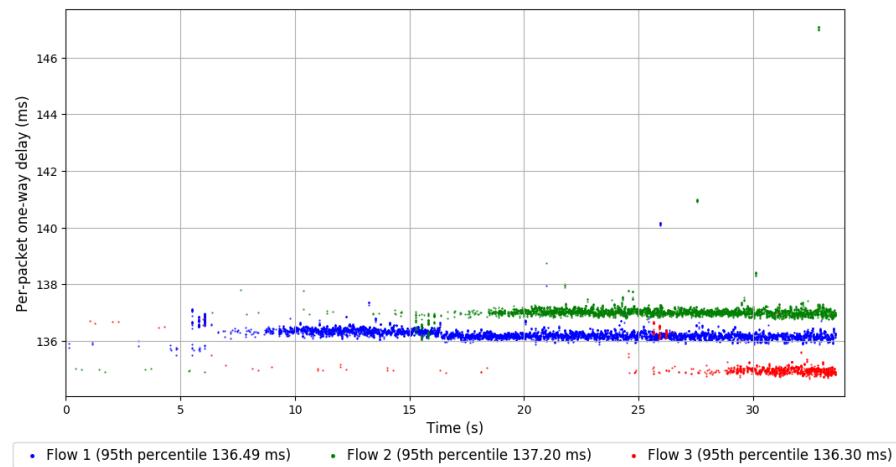
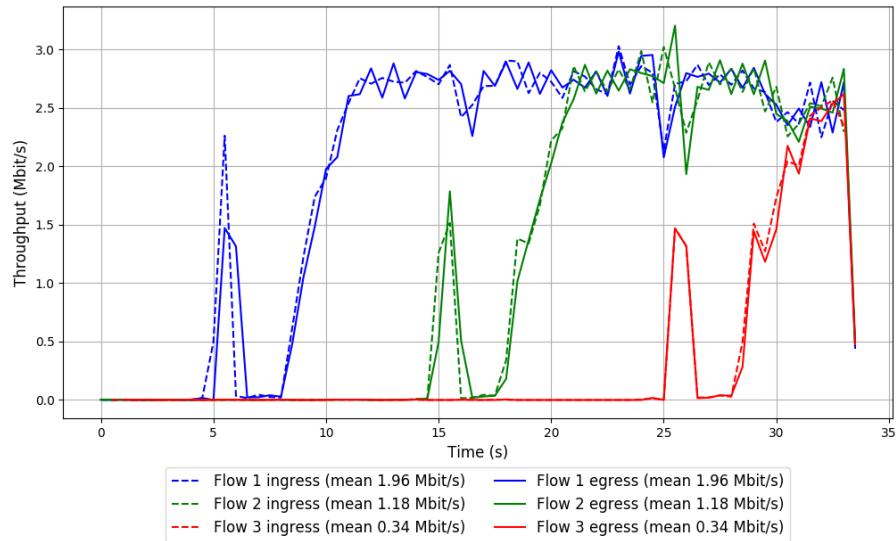
Run 2: Statistics of WebRTC media

Start at: 2017-12-01 11:33:01

End at: 2017-12-01 11:33:31

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 137.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 136.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 137.199 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.296 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



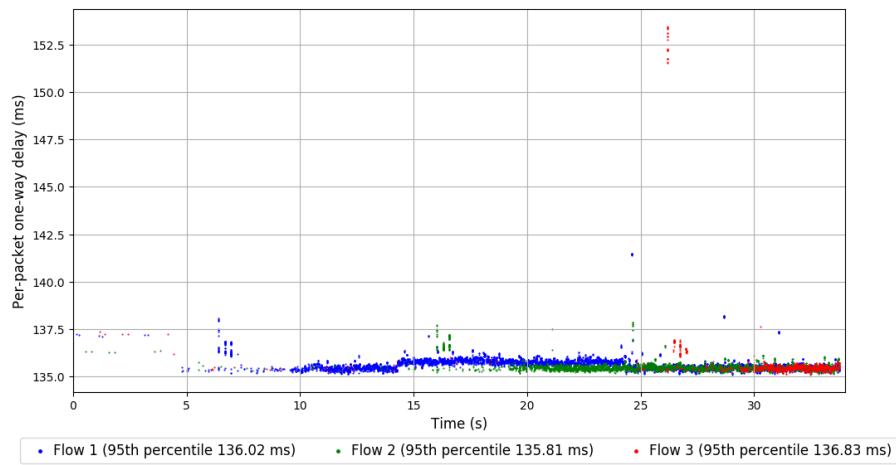
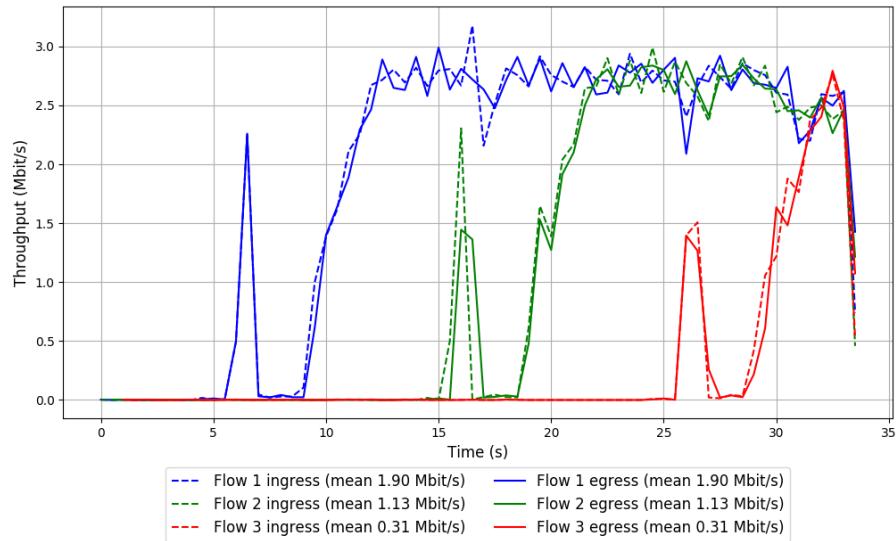
Run 3: Statistics of WebRTC media

Start at: 2017-12-01 11:46:33

End at: 2017-12-01 11:47:03

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.31 Mbit/s
95th percentile per-packet one-way delay: 136.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 136.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 135.809 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.828 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

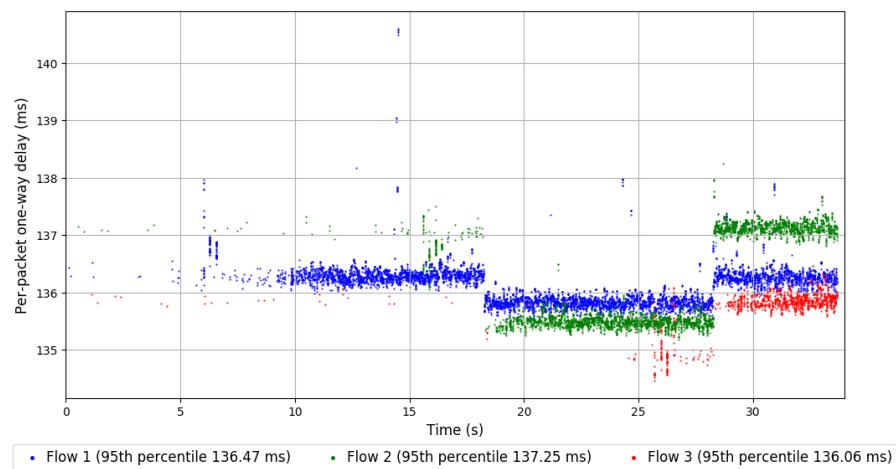
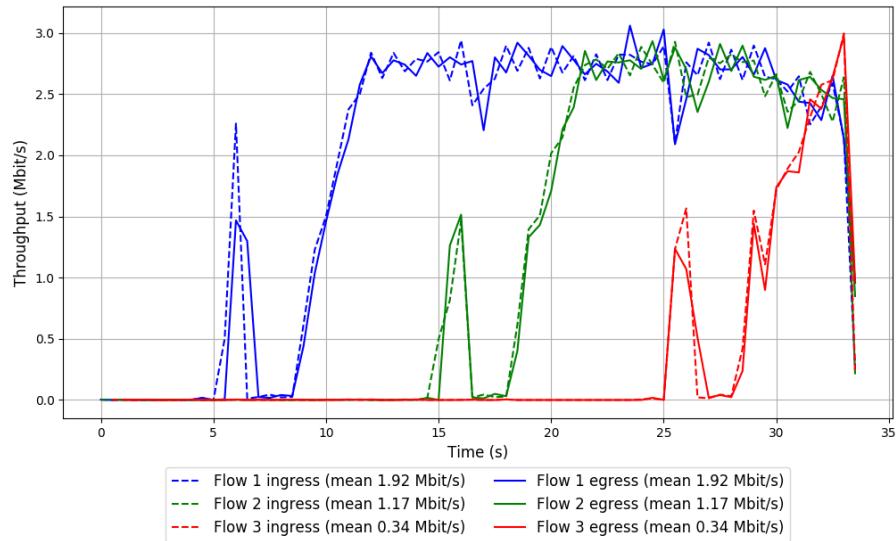


```
Run 4: Statistics of WebRTC media

Start at: 2017-12-01 12:00:59
End at: 2017-12-01 12:01:29

# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 137.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 136.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 137.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.059 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

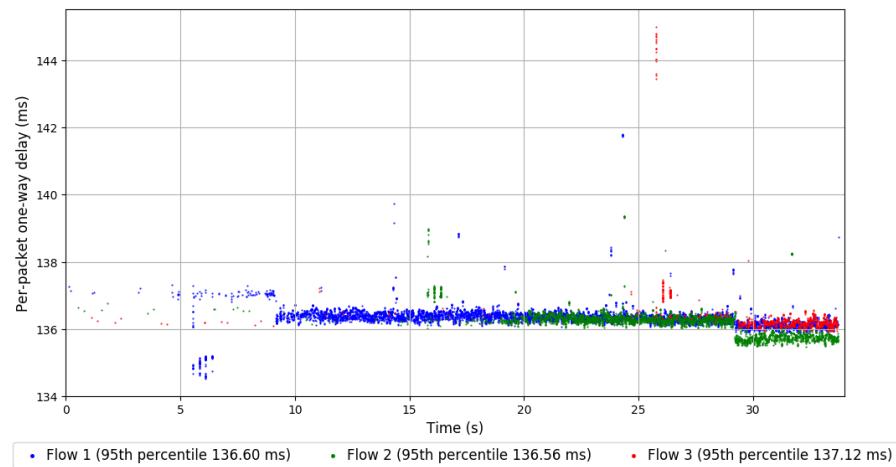
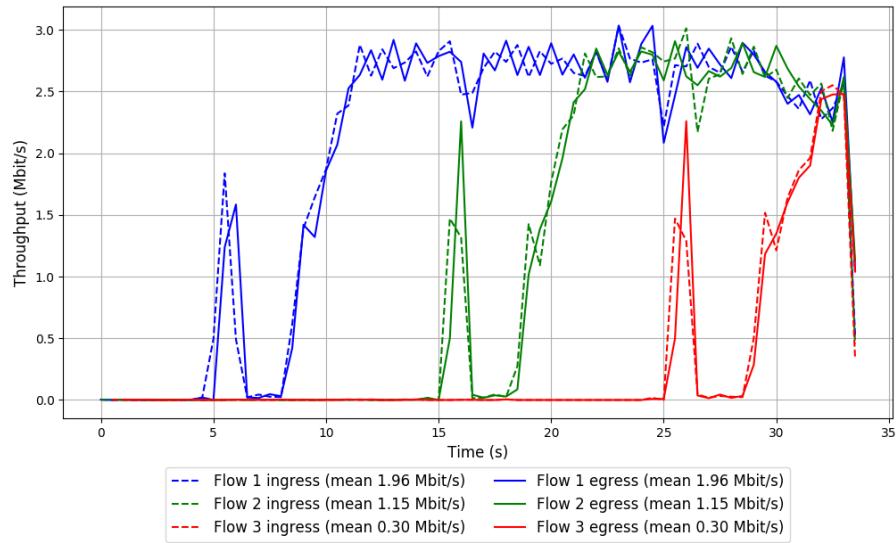


```
Run 5: Statistics of WebRTC media

Start at: 2017-12-01 12:14:48
End at: 2017-12-01 12:15:18

# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 136.599 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 136.559 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 137.125 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link



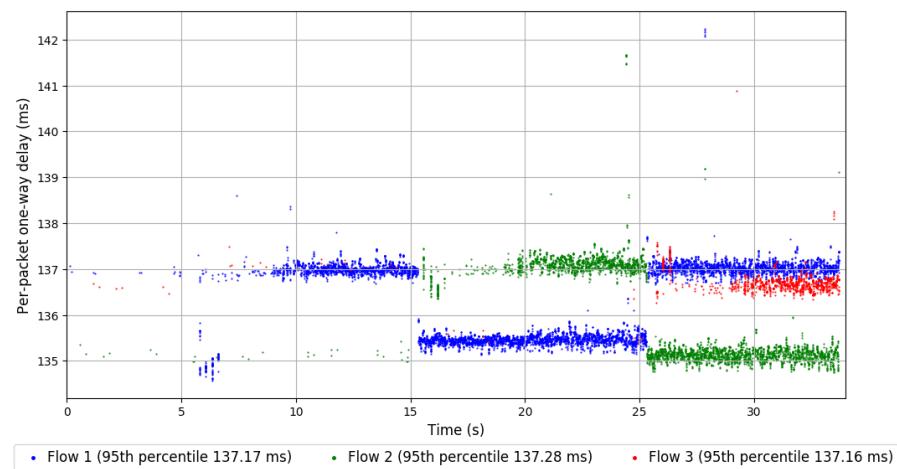
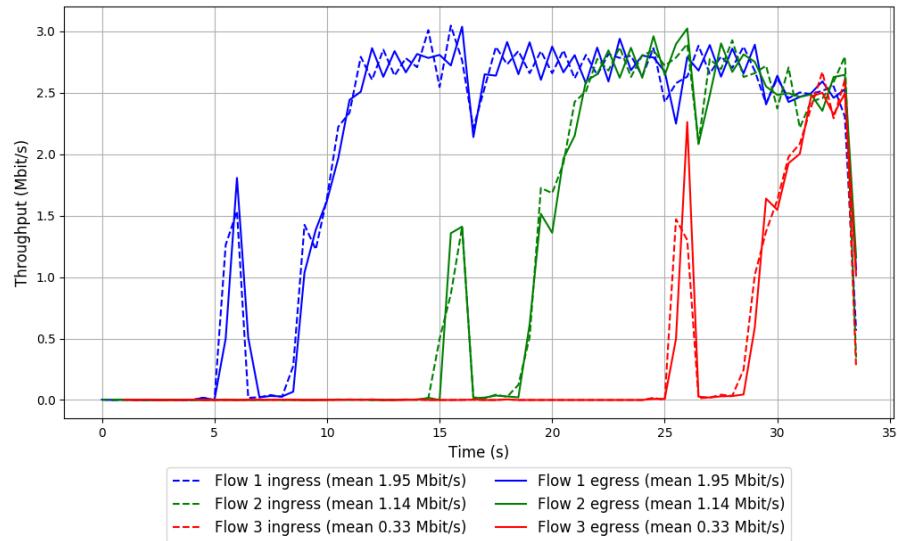
Run 6: Statistics of WebRTC media

Start at: 2017-12-01 12:28:42

End at: 2017-12-01 12:29:12

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 137.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 137.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 137.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 137.158 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

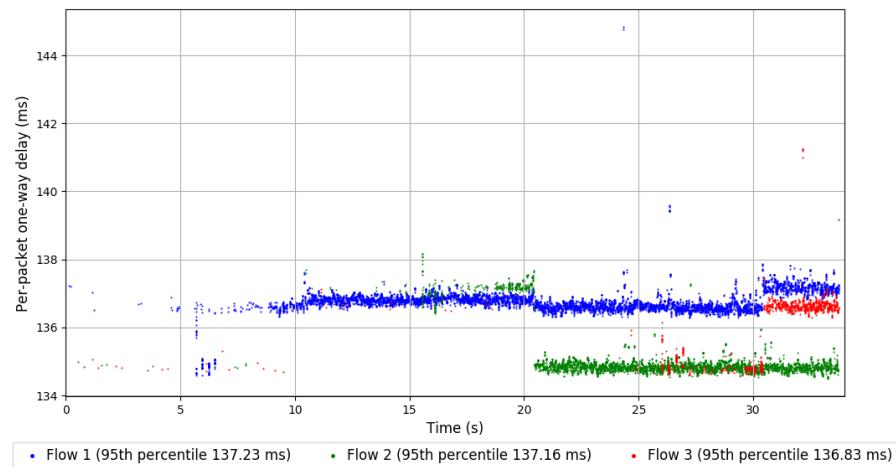
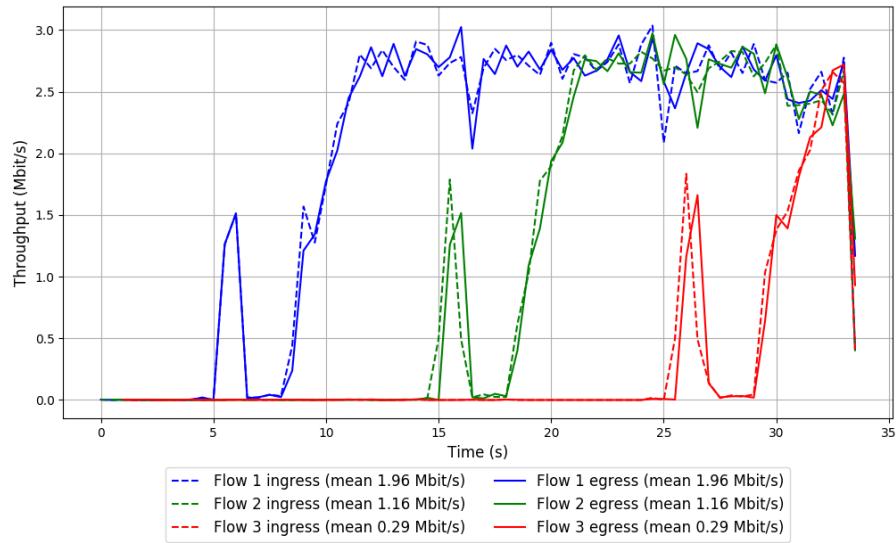


```
Run 7: Statistics of WebRTC media

Start at: 2017-12-01 12:42:17
End at: 2017-12-01 12:42:47

# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 137.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 137.231 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 137.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 136.834 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link



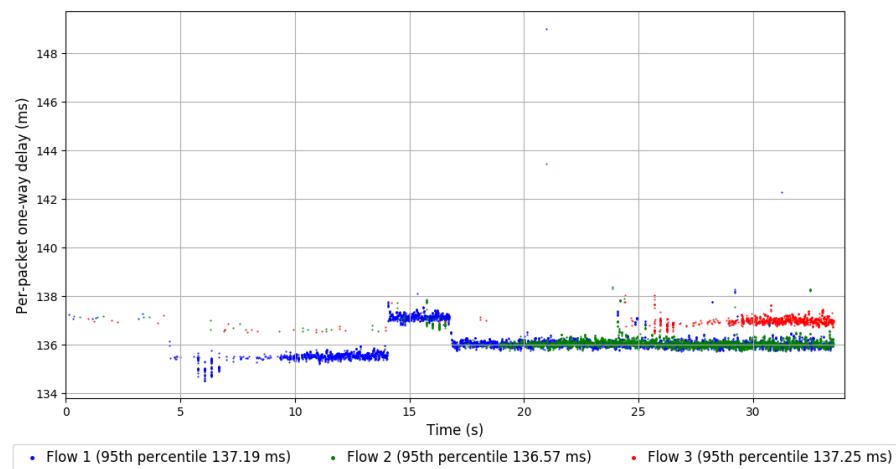
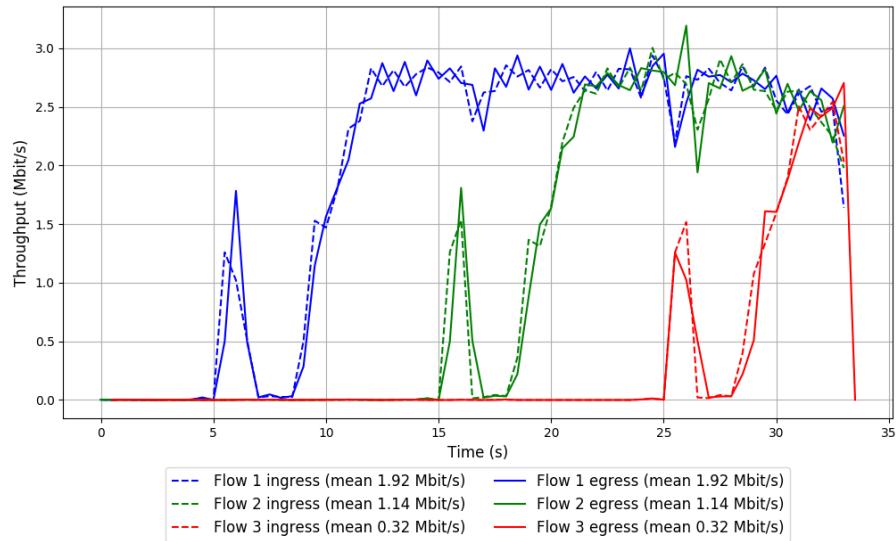
Run 8: Statistics of WebRTC media

Start at: 2017-12-01 12:56:23

End at: 2017-12-01 12:56:53

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 137.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 137.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 136.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 137.253 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link



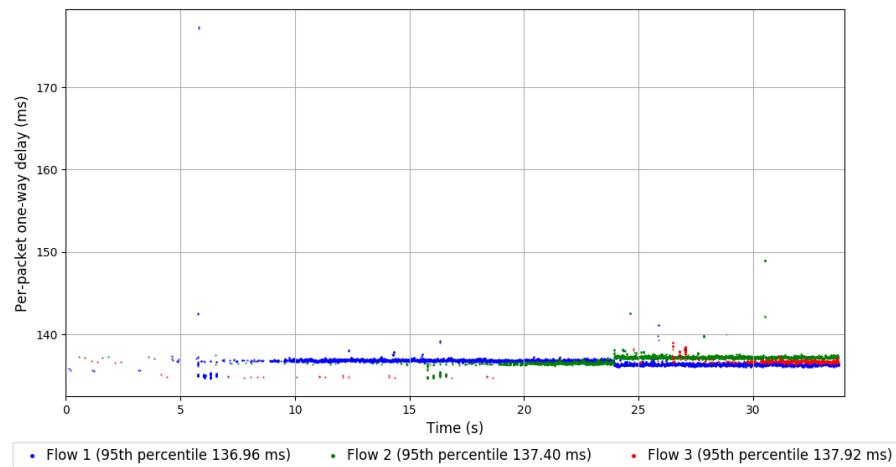
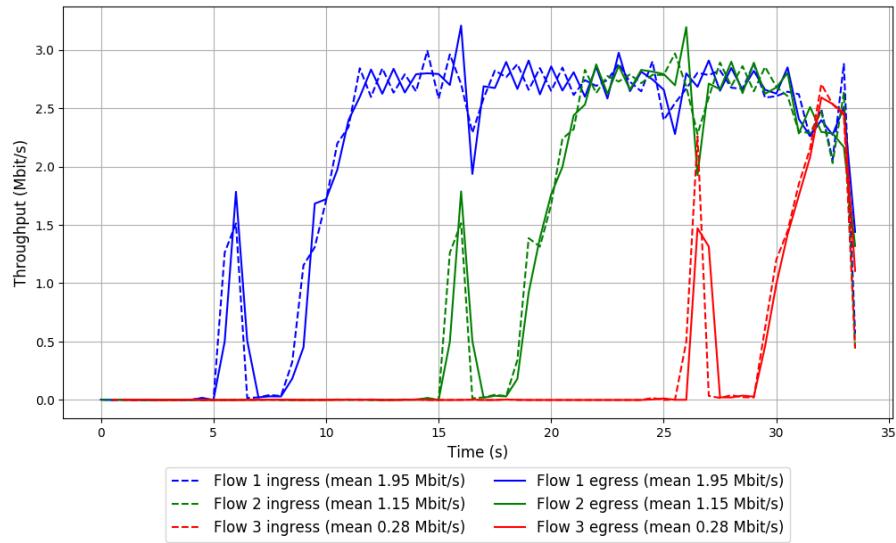
Run 9: Statistics of WebRTC media

Start at: 2017-12-01 13:10:34

End at: 2017-12-01 13:11:04

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 137.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 136.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 137.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 137.918 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

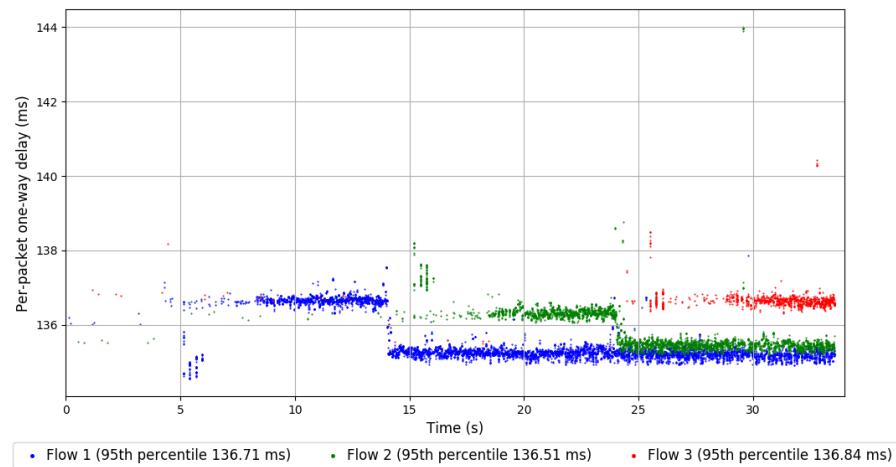
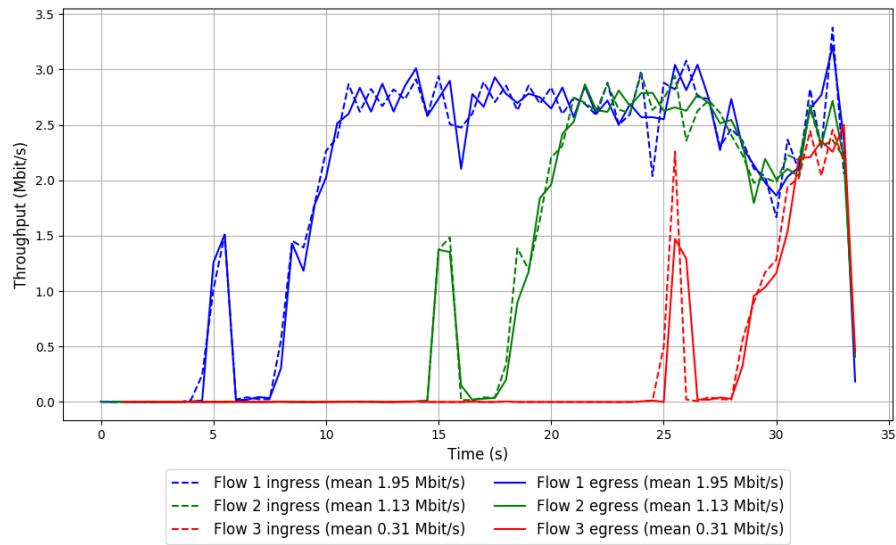


```
Run 10: Statistics of WebRTC media

Start at: 2017-12-01 13:24:03
End at: 2017-12-01 13:24:33

# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 136.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 136.710 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 136.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.841 ms
Loss rate: 0.01%
```

Run 10: Report of WebRTC media — Data Link



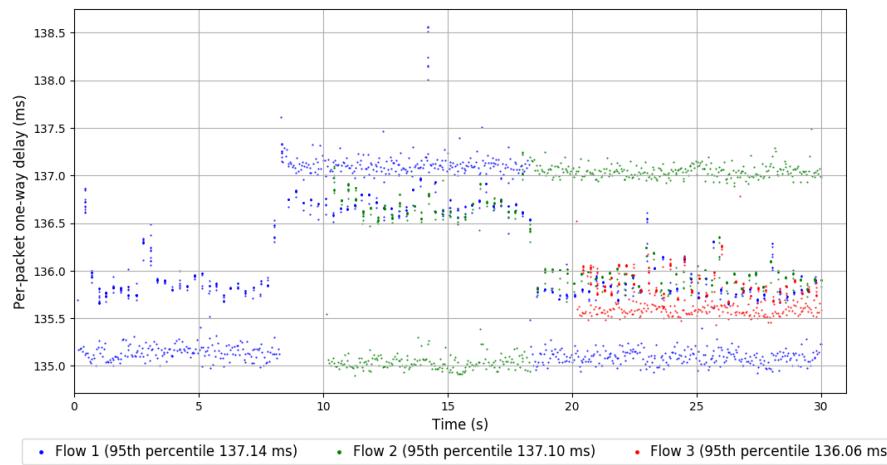
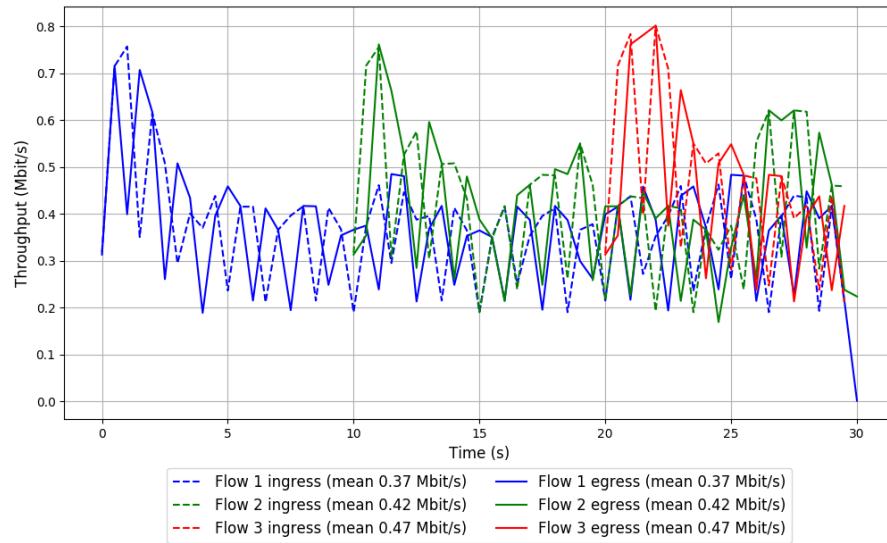
Run 1: Statistics of Sprout

Start at: 2017-12-01 11:10:15

End at: 2017-12-01 11:10:45

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 137.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 137.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 137.097 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 136.062 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



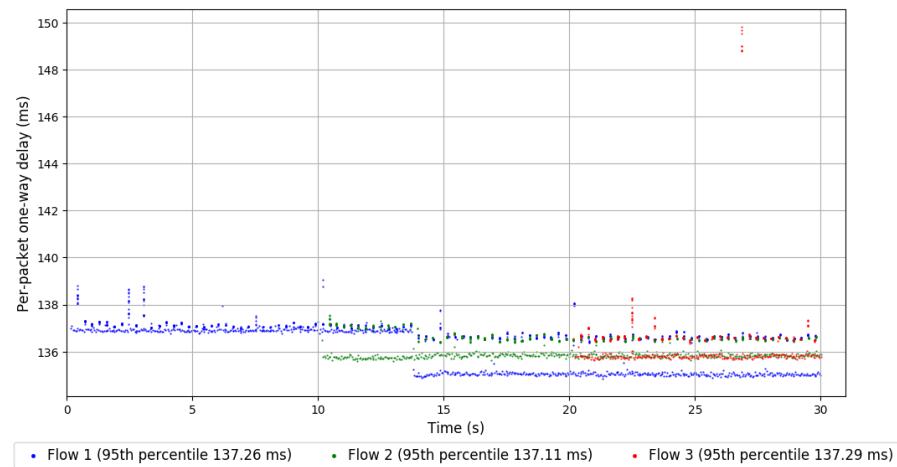
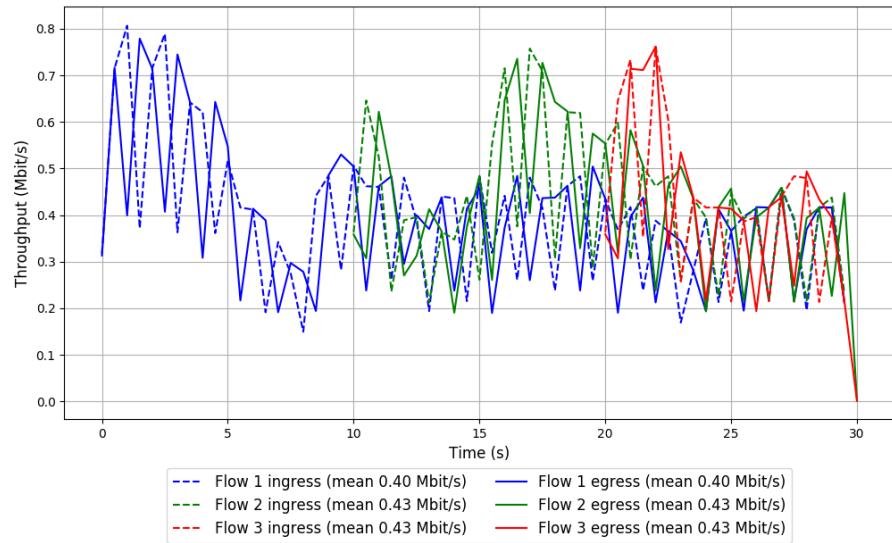
Run 2: Statistics of Sprout

Start at: 2017-12-01 11:24:10

End at: 2017-12-01 11:24:40

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 137.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 137.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 137.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 137.293 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



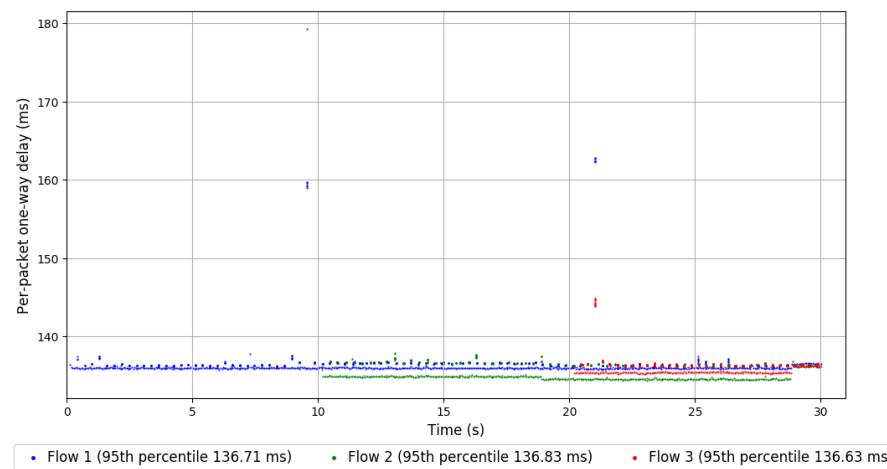
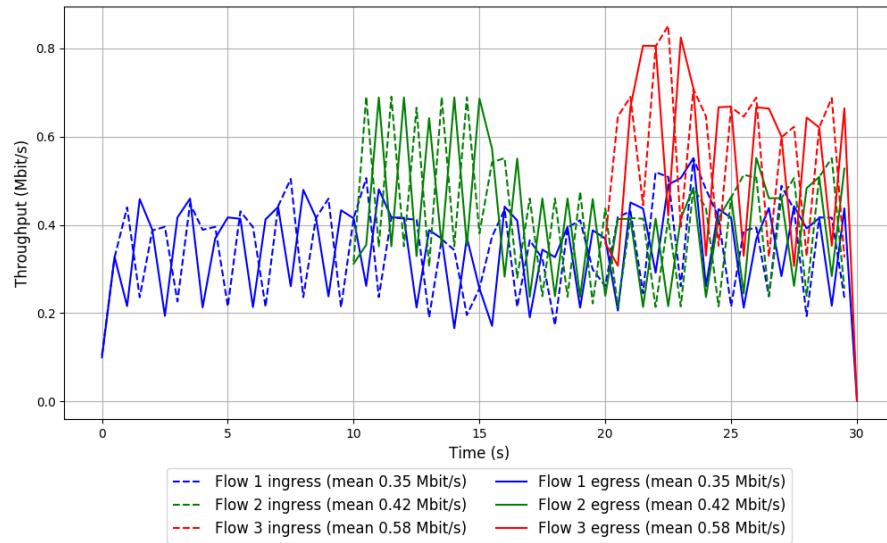
Run 3: Statistics of Sprout

Start at: 2017-12-01 11:37:35

End at: 2017-12-01 11:38:05

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 136.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.708 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 136.629 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



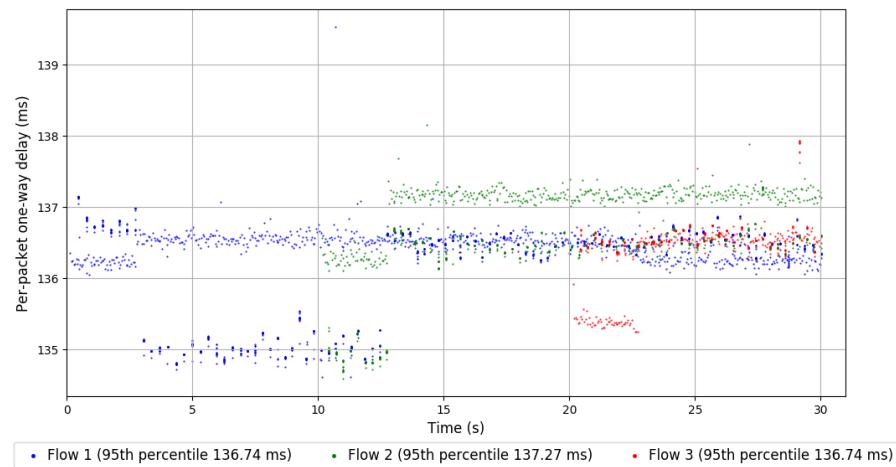
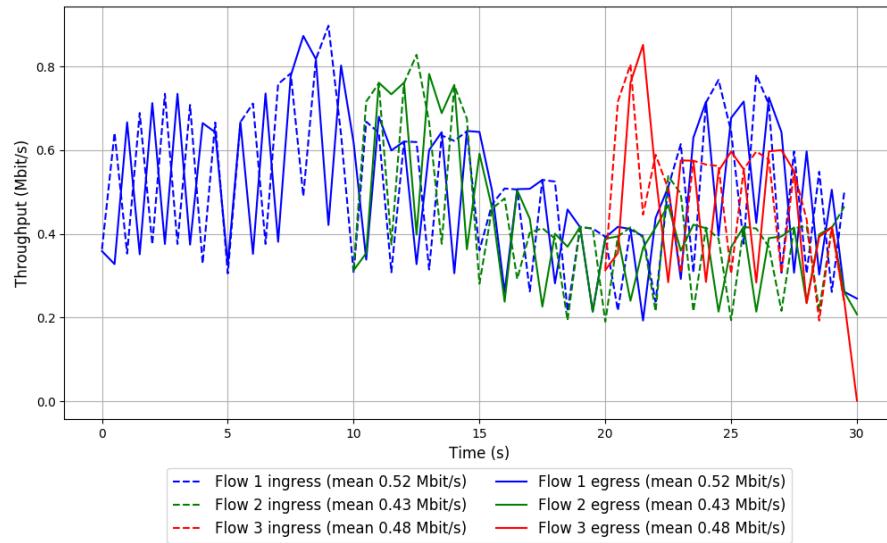
Run 4: Statistics of Sprout

Start at: 2017-12-01 11:51:51

End at: 2017-12-01 11:52:21

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 137.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 137.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 136.738 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



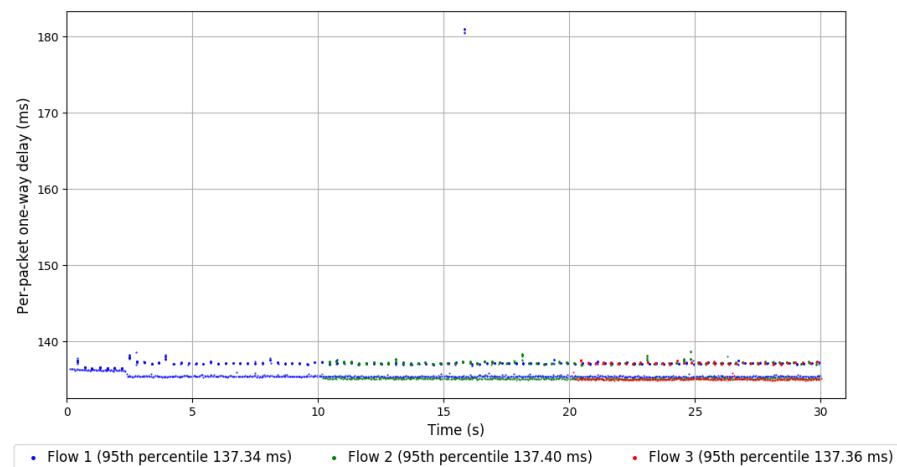
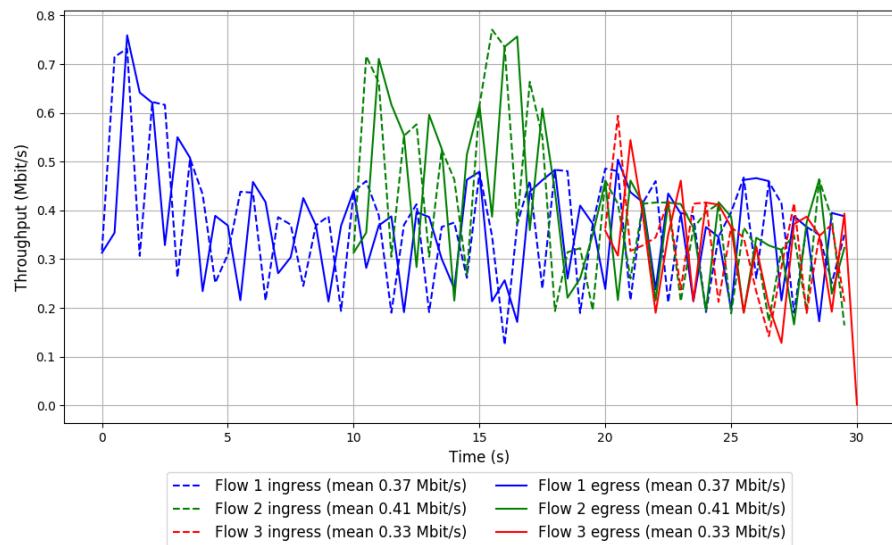
Run 5: Statistics of Sprout

Start at: 2017-12-01 12:05:51

End at: 2017-12-01 12:06:21

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 137.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 137.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 137.395 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 137.357 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



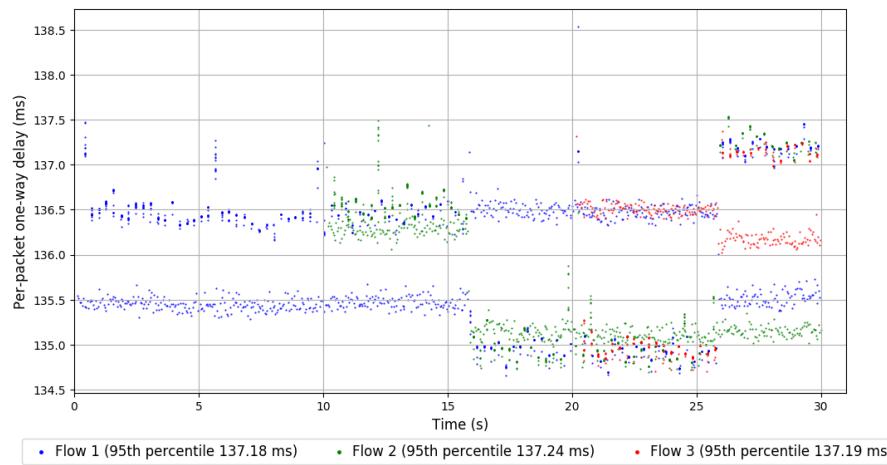
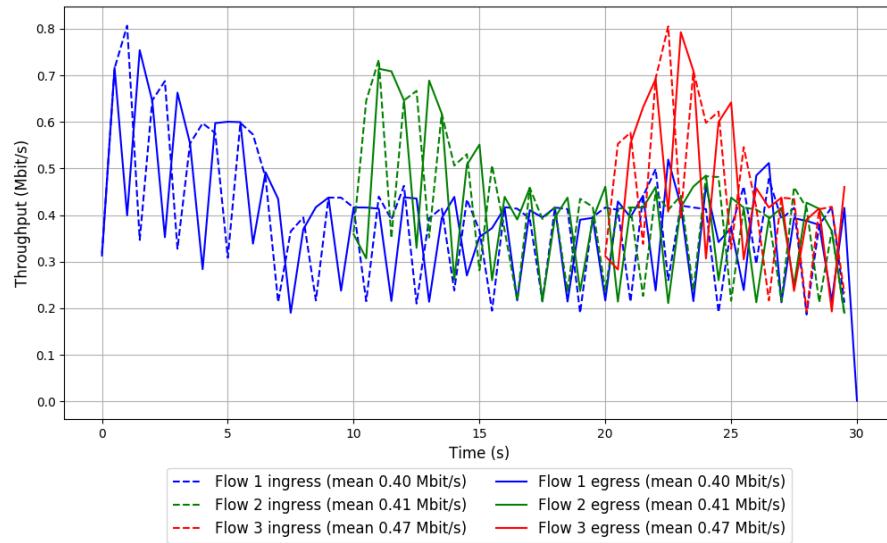
Run 6: Statistics of Sprout

Start at: 2017-12-01 12:19:48

End at: 2017-12-01 12:20:18

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 137.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 137.183 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 137.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 137.189 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



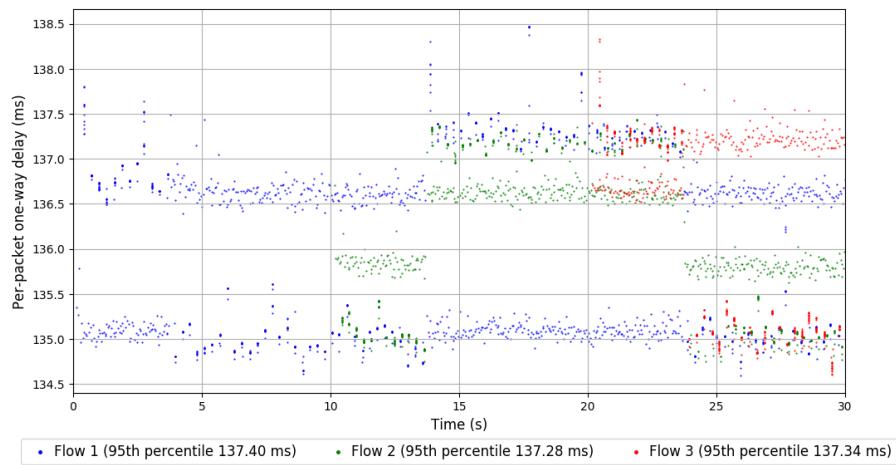
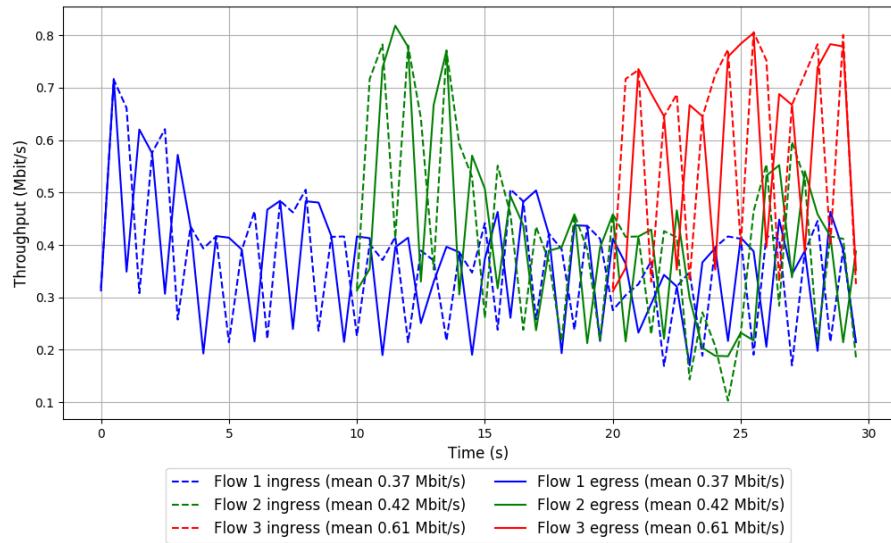
Run 7: Statistics of Sprout

Start at: 2017-12-01 12:33:20

End at: 2017-12-01 12:33:50

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 137.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 137.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 137.276 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 137.343 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



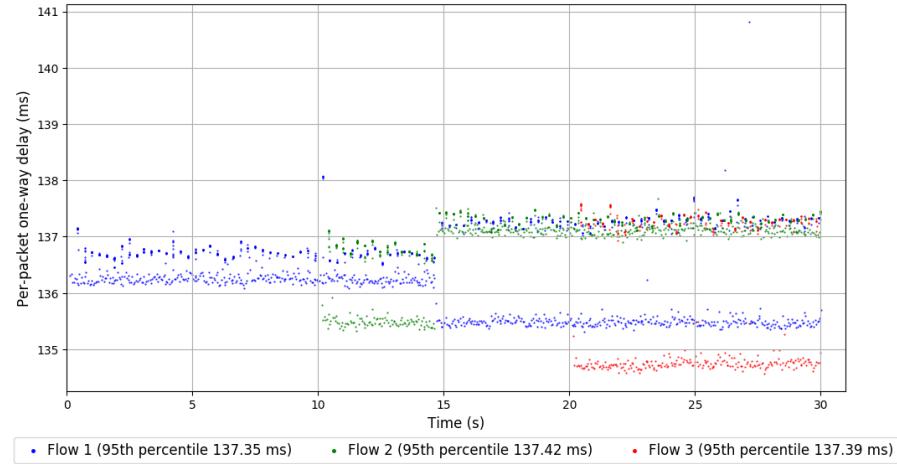
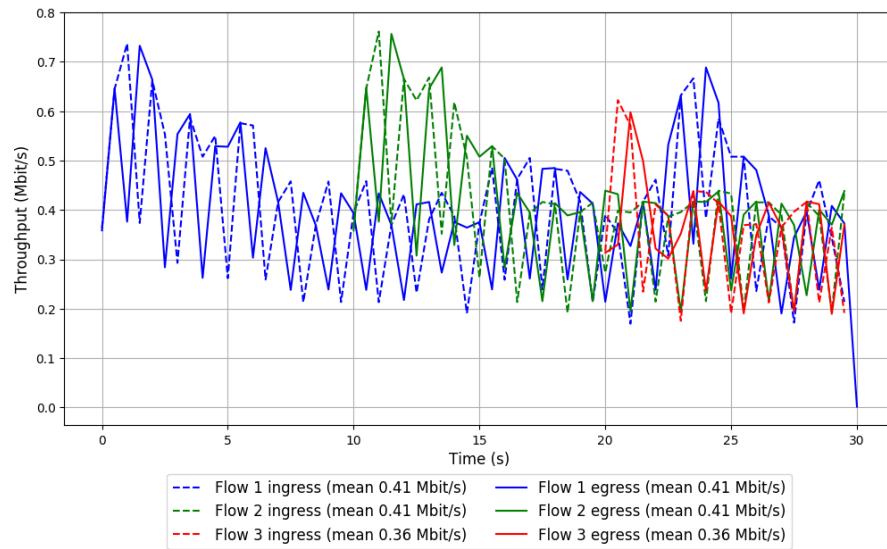
Run 8: Statistics of Sprout

Start at: 2017-12-01 12:47:09

End at: 2017-12-01 12:47:39

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 137.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 137.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 137.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 137.390 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



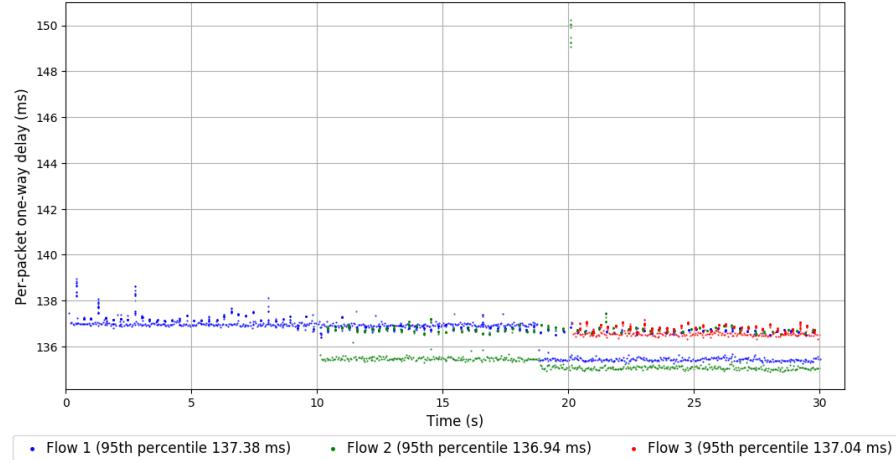
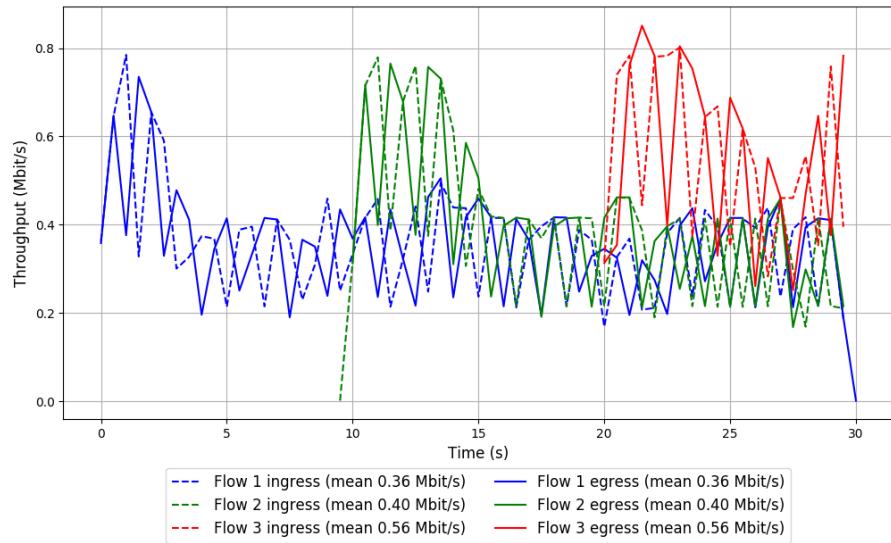
Run 9: Statistics of Sprout

Start at: 2017-12-01 13:01:35

End at: 2017-12-01 13:02:05

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 137.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 137.382 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.944 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 137.038 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



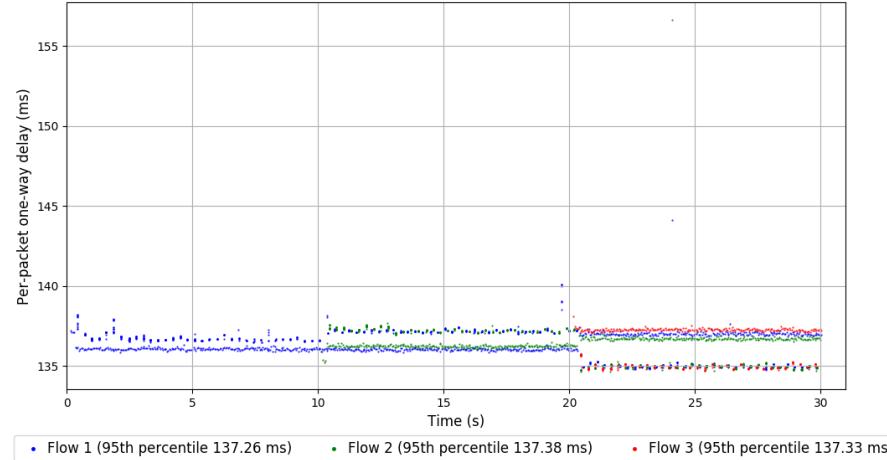
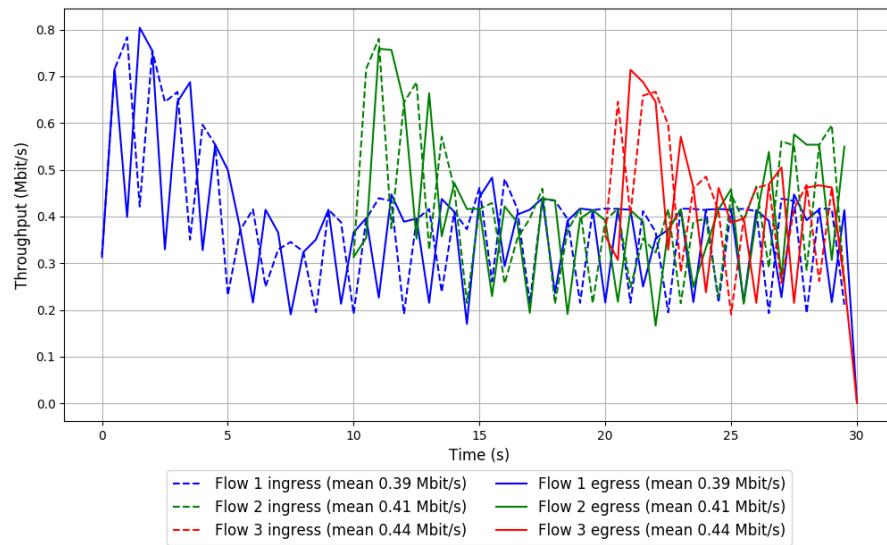
Run 10: Statistics of Sprout

Start at: 2017-12-01 13:15:13

End at: 2017-12-01 13:15:43

```
# Below is generated by plot.py at 2017-12-01 14:29:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 137.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 137.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 137.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.332 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

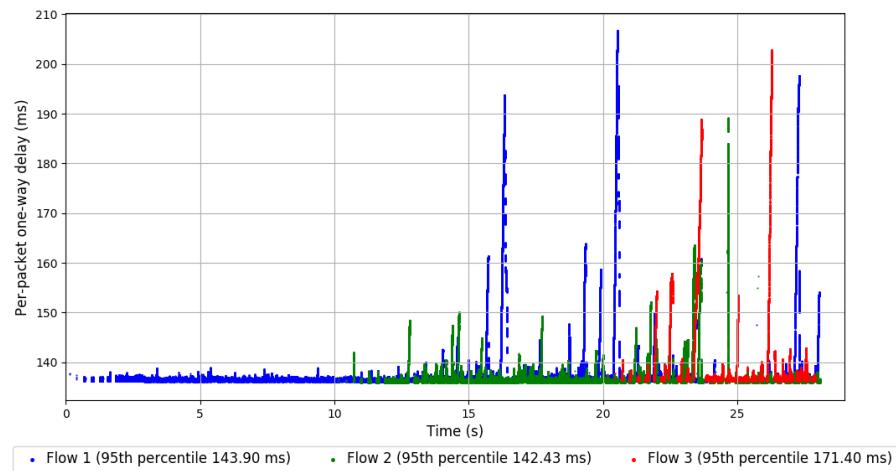
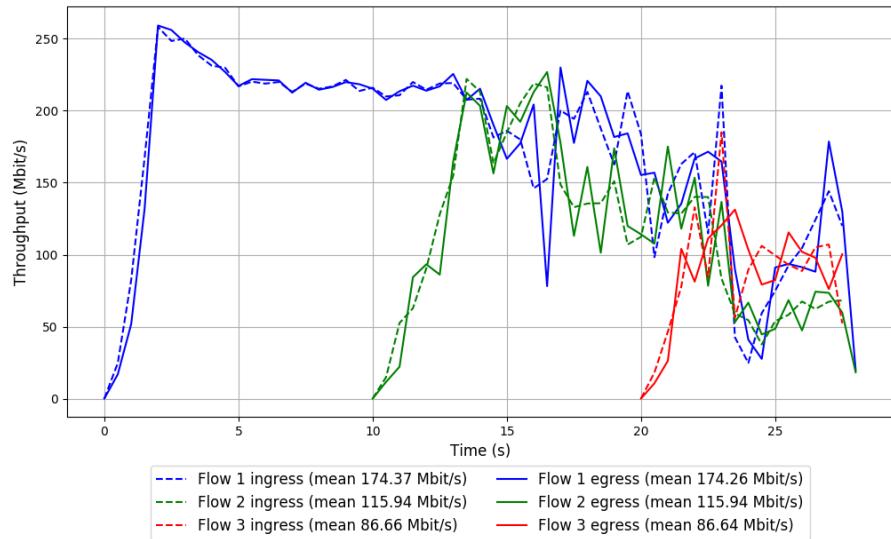


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-01 11:07:39
End at: 2017-12-01 11:08:09

# Below is generated by plot.py at 2017-12-01 14:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 272.43 Mbit/s
95th percentile per-packet one-way delay: 147.703 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 174.26 Mbit/s
95th percentile per-packet one-way delay: 143.902 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 115.94 Mbit/s
95th percentile per-packet one-way delay: 142.428 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 171.404 ms
Loss rate: 0.02%
```

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



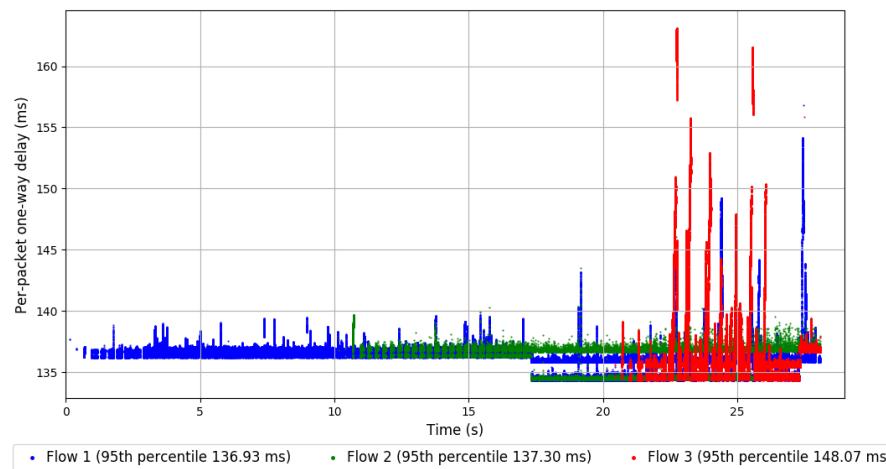
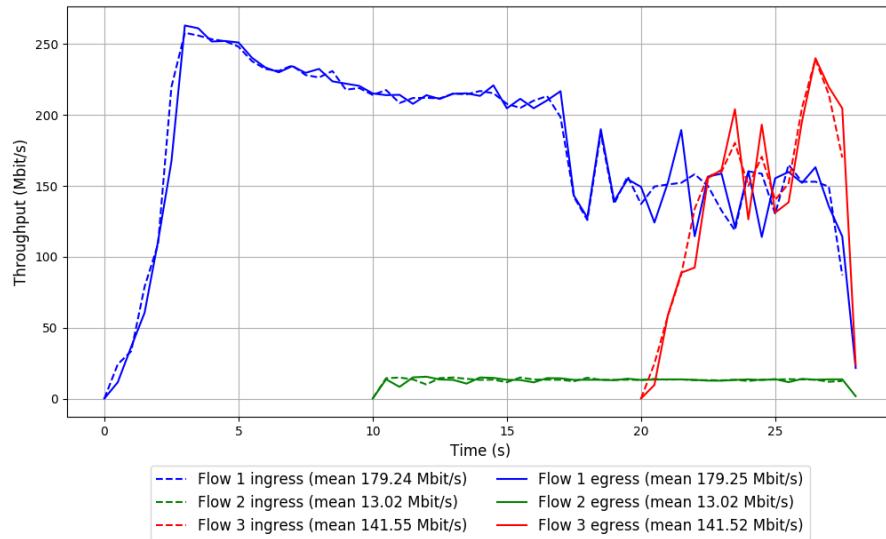
Run 2: Statistics of TaoVA-100x

Start at: 2017-12-01 11:21:44

End at: 2017-12-01 11:22:15

```
# Below is generated by plot.py at 2017-12-01 14:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 227.74 Mbit/s
95th percentile per-packet one-way delay: 137.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.25 Mbit/s
95th percentile per-packet one-way delay: 136.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 137.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 141.52 Mbit/s
95th percentile per-packet one-way delay: 148.066 ms
Loss rate: 0.00%
```

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



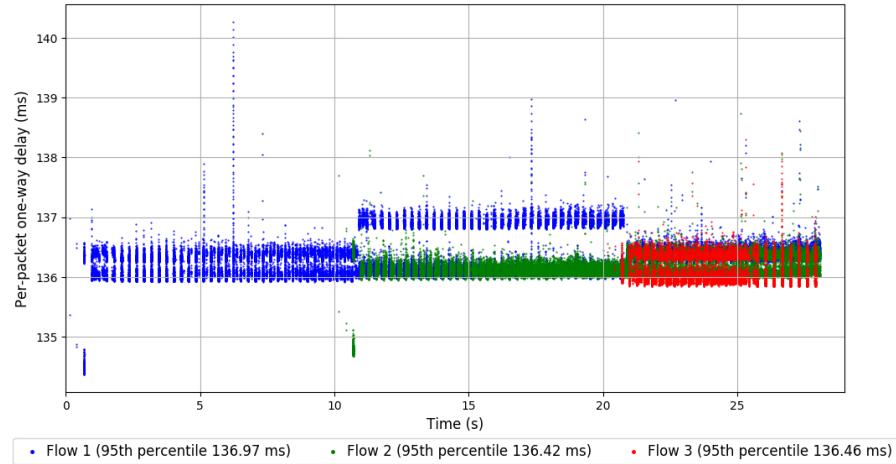
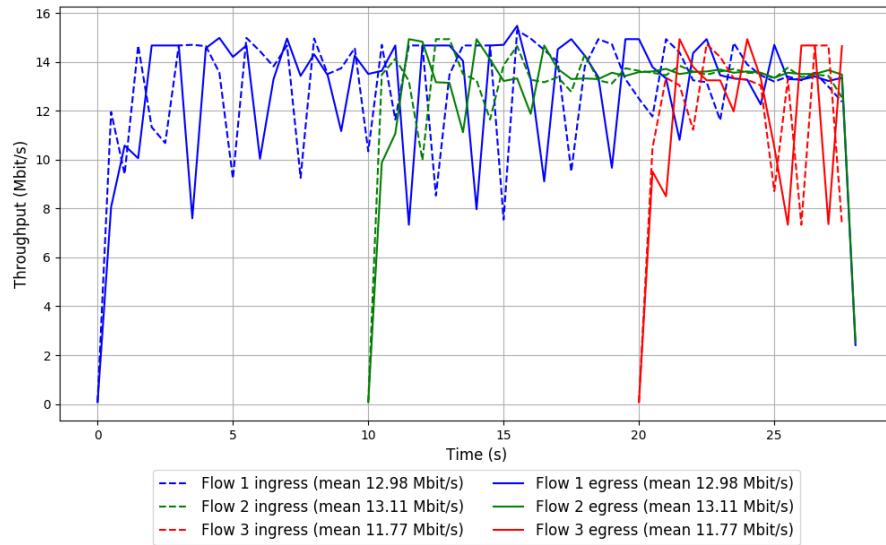
Run 3: Statistics of TaoVA-100x

Start at: 2017-12-01 11:35:31

End at: 2017-12-01 11:36:01

```
# Below is generated by plot.py at 2017-12-01 14:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 136.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 136.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 136.417 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 136.464 ms
Loss rate: 0.00%
```

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



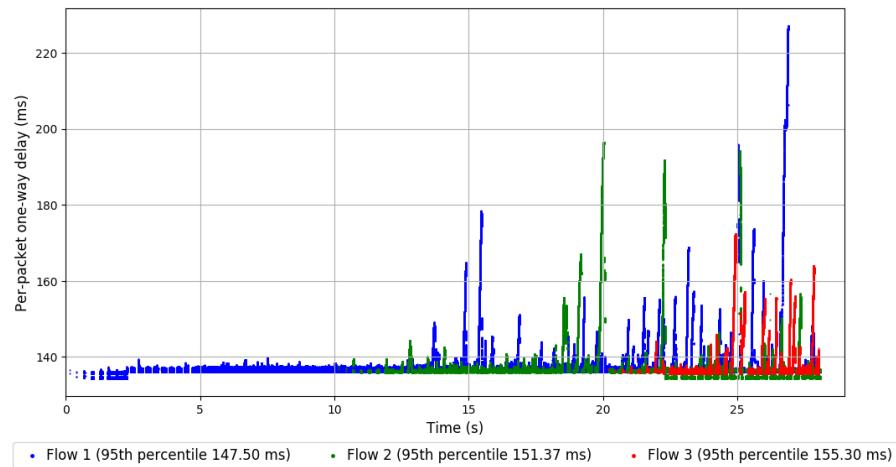
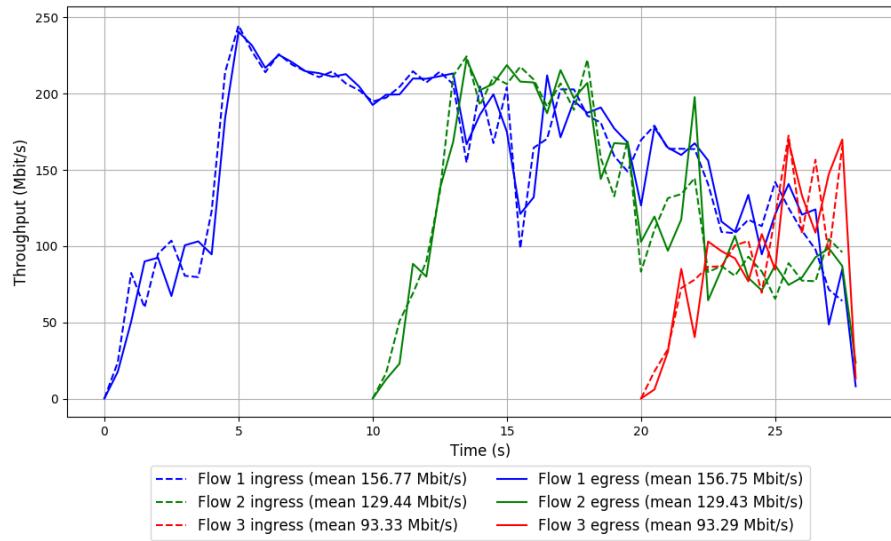
Run 4: Statistics of TaoVA-100x

Start at: 2017-12-01 11:49:10

End at: 2017-12-01 11:49:40

```
# Below is generated by plot.py at 2017-12-01 14:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 266.01 Mbit/s
95th percentile per-packet one-way delay: 149.884 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 156.75 Mbit/s
95th percentile per-packet one-way delay: 147.503 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 129.43 Mbit/s
95th percentile per-packet one-way delay: 151.366 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 155.300 ms
Loss rate: 0.00%
```

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



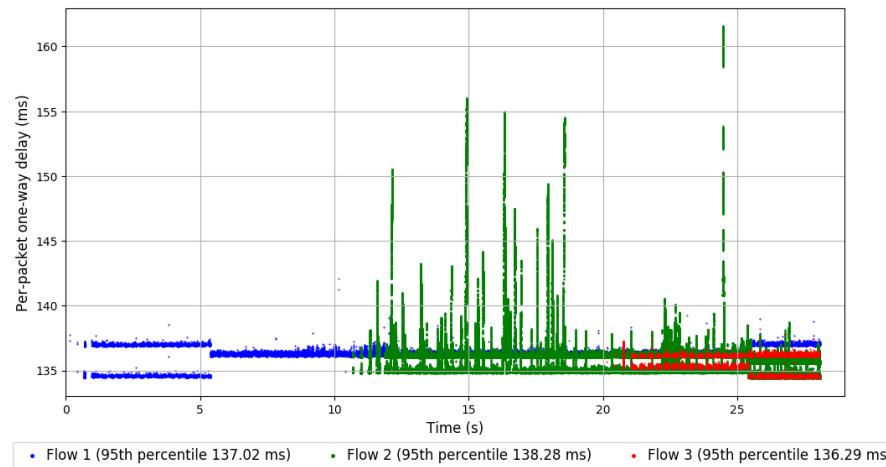
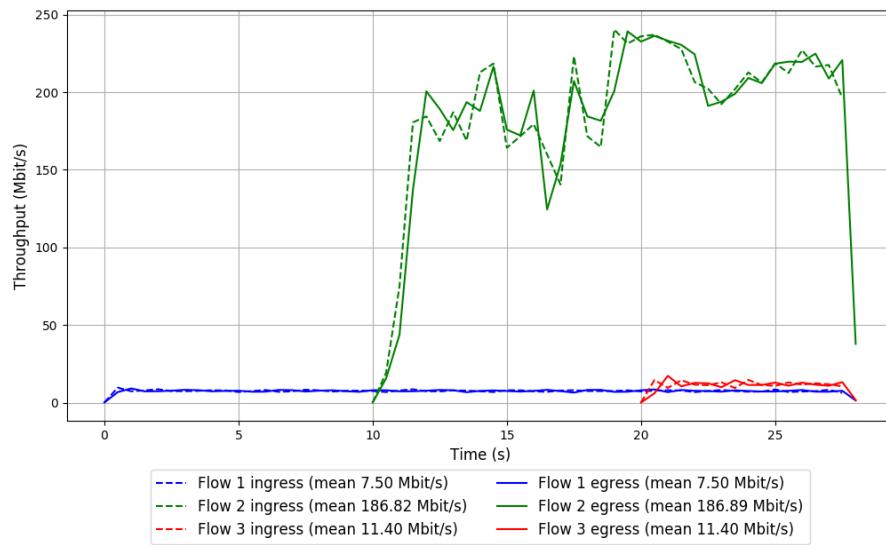
Run 5: Statistics of TaoVA-100x

Start at: 2017-12-01 12:03:36

End at: 2017-12-01 12:04:06

```
# Below is generated by plot.py at 2017-12-01 14:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 130.71 Mbit/s
95th percentile per-packet one-way delay: 138.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 137.020 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.89 Mbit/s
95th percentile per-packet one-way delay: 138.285 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 136.291 ms
Loss rate: 0.00%
```

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



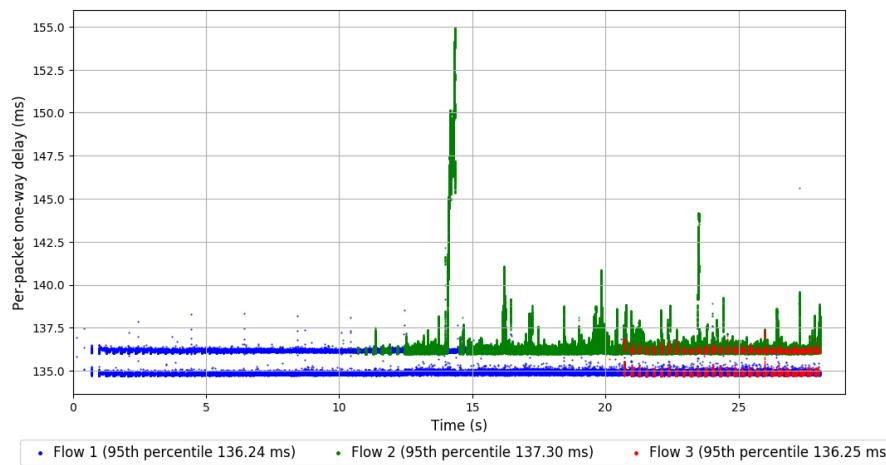
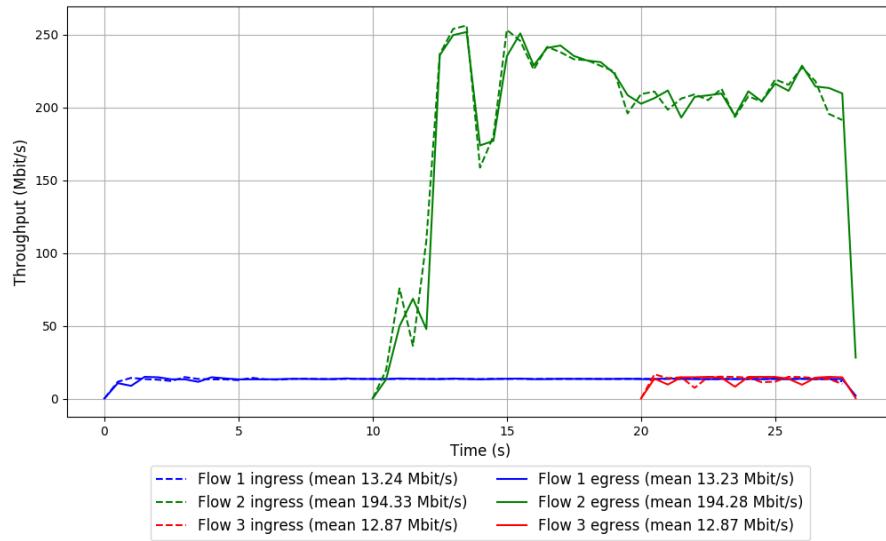
Run 6: Statistics of TaoVA-100x

Start at: 2017-12-01 12:17:22

End at: 2017-12-01 12:17:52

```
# Below is generated by plot.py at 2017-12-01 14:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.47 Mbit/s
95th percentile per-packet one-way delay: 137.132 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 136.242 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 194.28 Mbit/s
95th percentile per-packet one-way delay: 137.297 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 136.255 ms
Loss rate: 0.00%
```

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



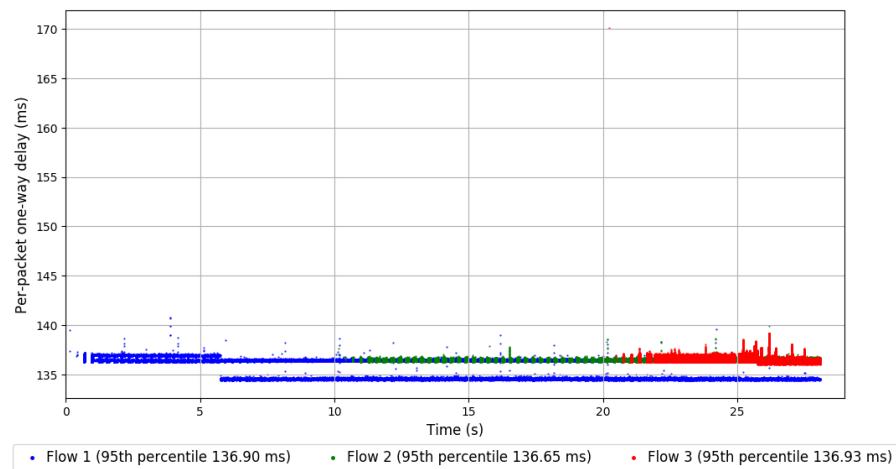
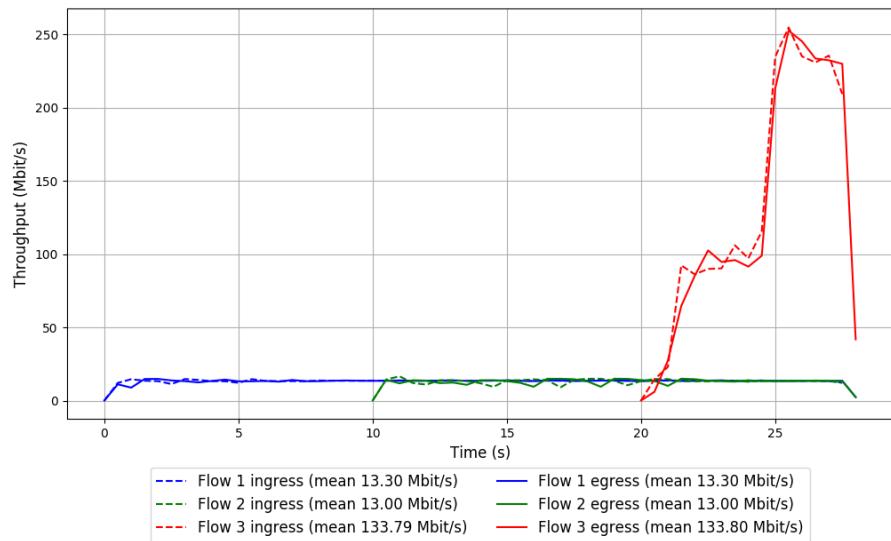
Run 7: Statistics of TaoVA-100x

Start at: 2017-12-01 12:31:16

End at: 2017-12-01 12:31:46

```
# Below is generated by plot.py at 2017-12-01 14:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 136.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 136.900 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 136.646 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.80 Mbit/s
95th percentile per-packet one-way delay: 136.931 ms
Loss rate: 0.00%
```

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



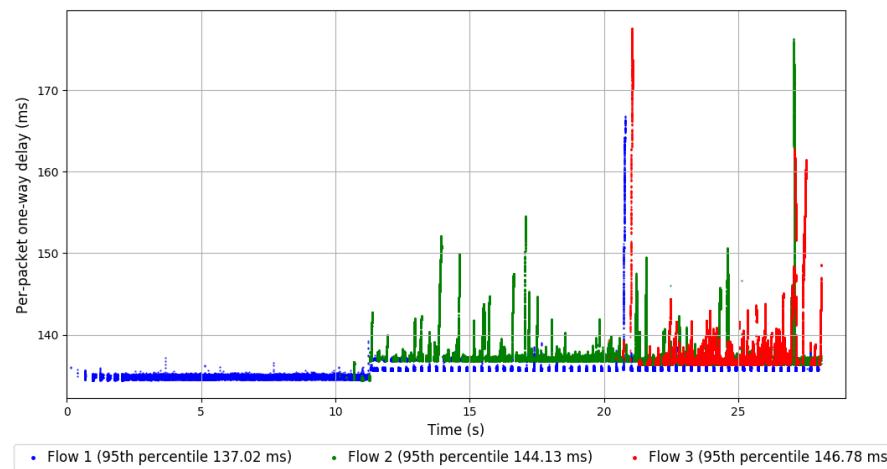
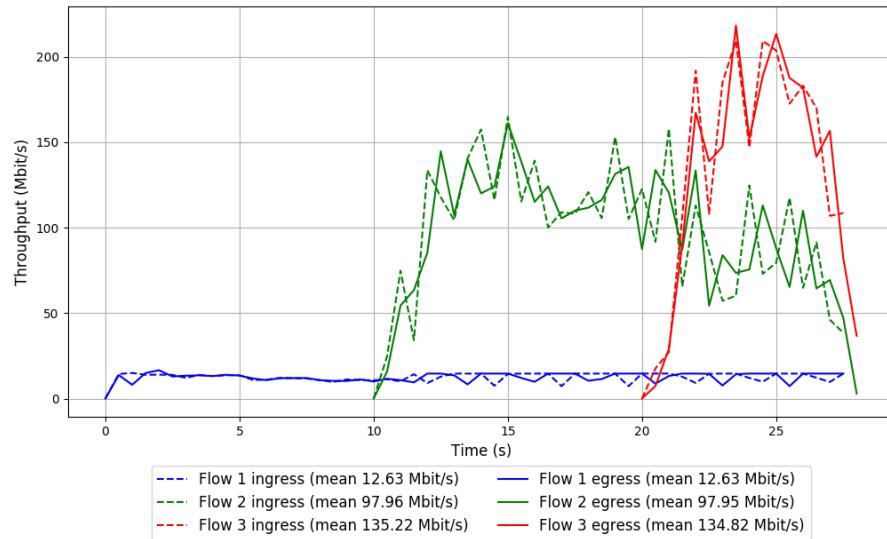
Run 8: Statistics of TaoVA-100x

Start at: 2017-12-01 12:44:51

End at: 2017-12-01 12:45:21

```
# Below is generated by plot.py at 2017-12-01 14:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 113.69 Mbit/s
95th percentile per-packet one-way delay: 144.242 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 137.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.95 Mbit/s
95th percentile per-packet one-way delay: 144.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.82 Mbit/s
95th percentile per-packet one-way delay: 146.781 ms
Loss rate: 0.35%
```

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



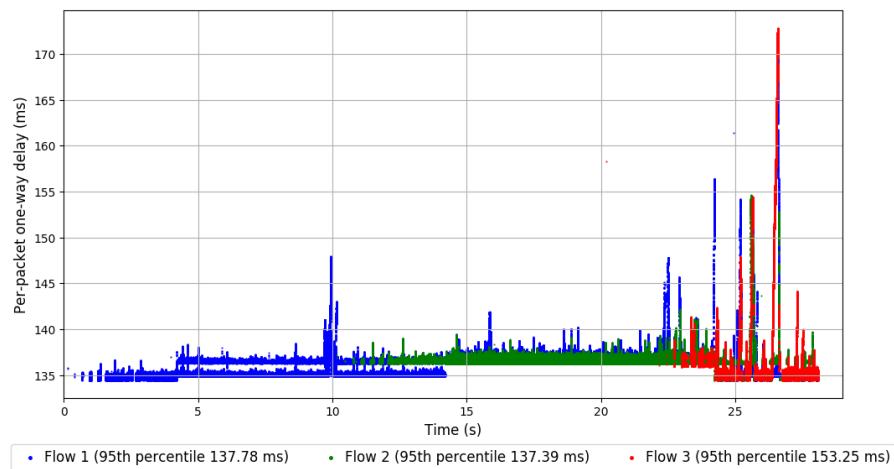
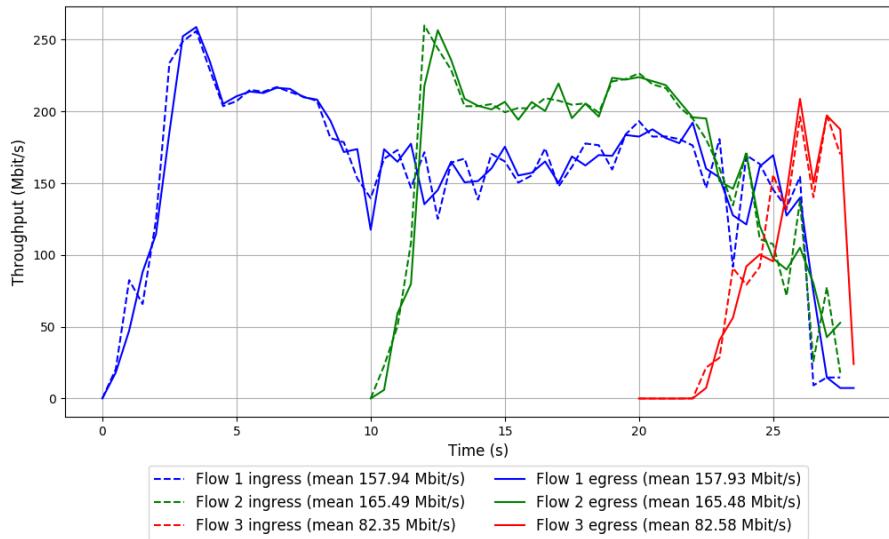
Run 9: Statistics of TaoVA-100x

Start at: 2017-12-01 12:58:58

End at: 2017-12-01 12:59:28

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 285.87 Mbit/s
95th percentile per-packet one-way delay: 137.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.93 Mbit/s
95th percentile per-packet one-way delay: 137.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 165.48 Mbit/s
95th percentile per-packet one-way delay: 137.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 153.254 ms
Loss rate: 0.02%
```

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



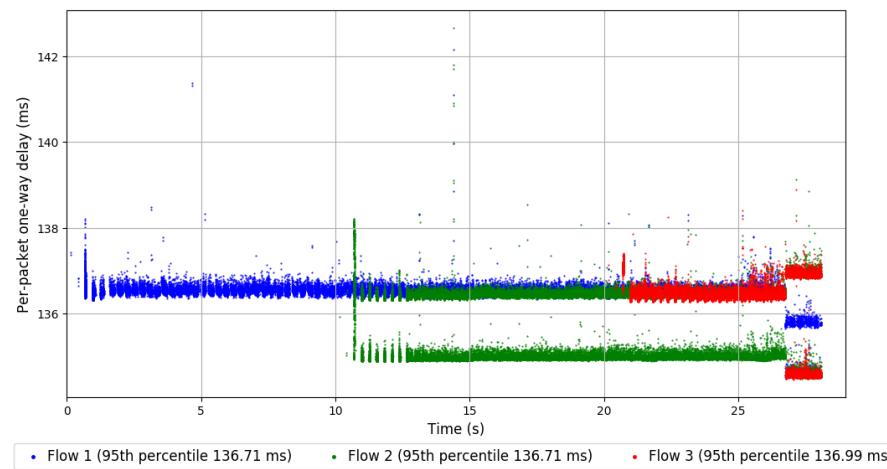
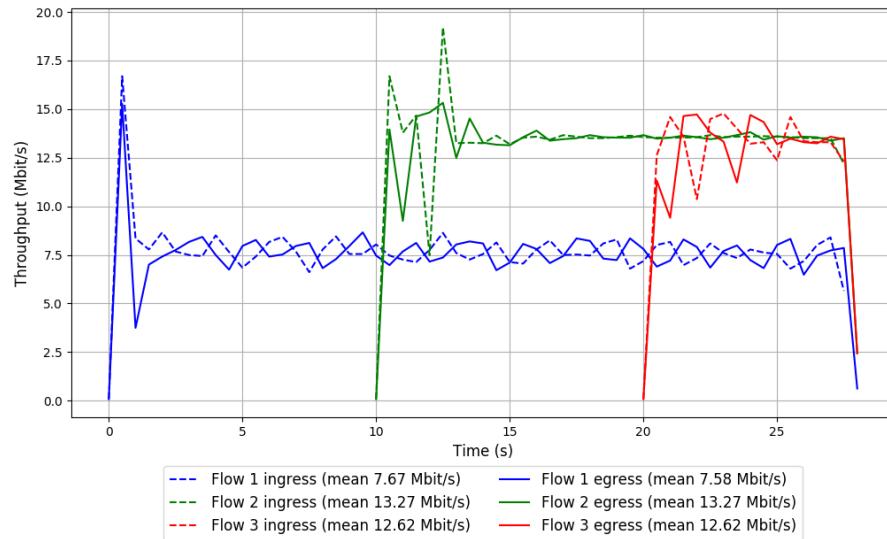
Run 10: Statistics of TaoVA-100x

Start at: 2017-12-01 13:13:05

End at: 2017-12-01 13:13:35

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 136.817 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 136.710 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 136.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 136.991 ms
Loss rate: 0.00%
```

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

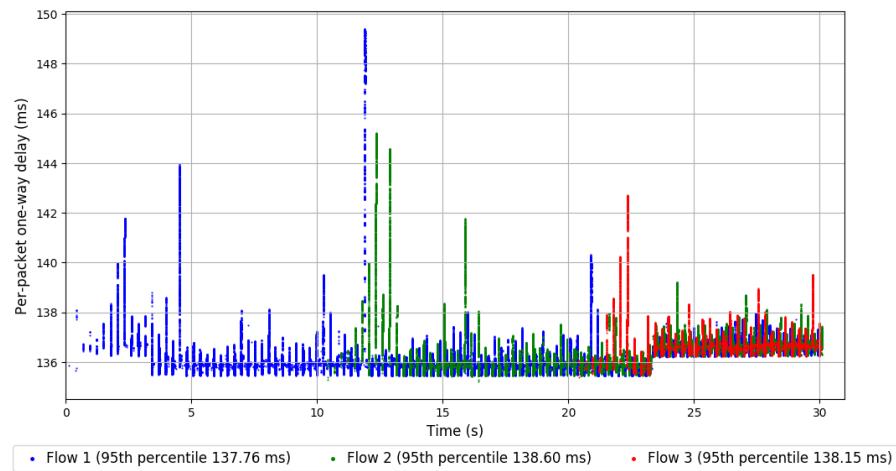
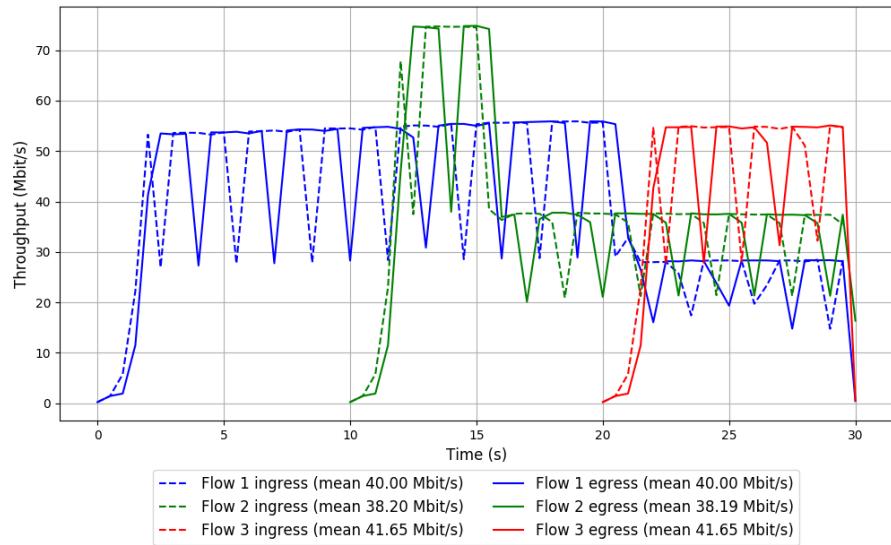


```
Run 1: Statistics of TCP Vegas

Start at: 2017-12-01 11:20:00
End at: 2017-12-01 11:20:31

# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.20 Mbit/s
95th percentile per-packet one-way delay: 138.191 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 137.765 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 138.596 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 41.65 Mbit/s
95th percentile per-packet one-way delay: 138.151 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link



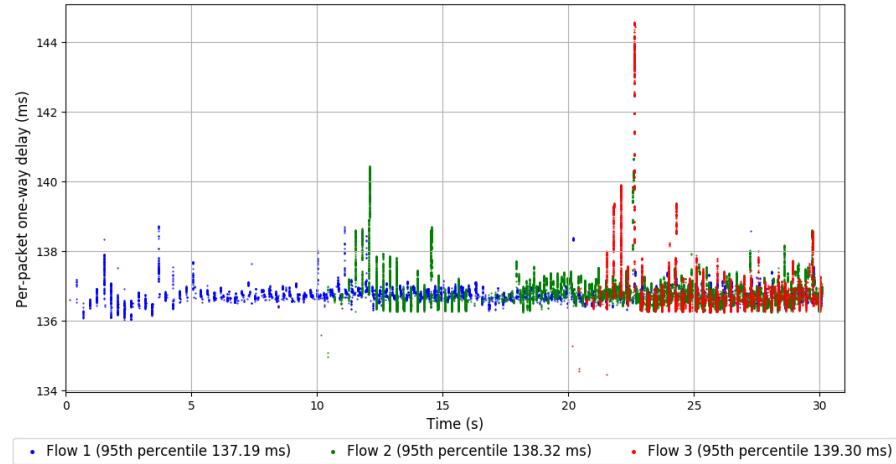
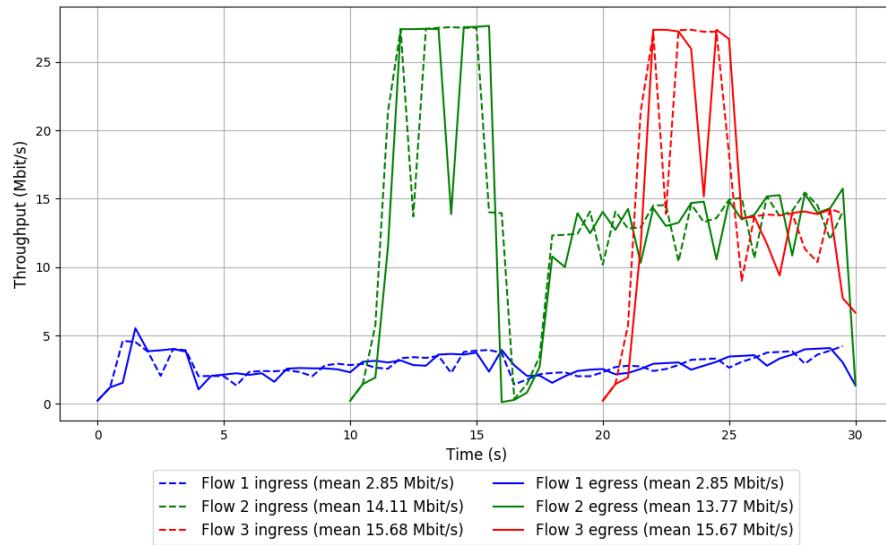
Run 2: Statistics of TCP Vegas

Start at: 2017-12-01 11:33:50

End at: 2017-12-01 11:34:20

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 138.414 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 137.192 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 138.318 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 139.299 ms
Loss rate: 0.06%
```

Run 2: Report of TCP Vegas — Data Link



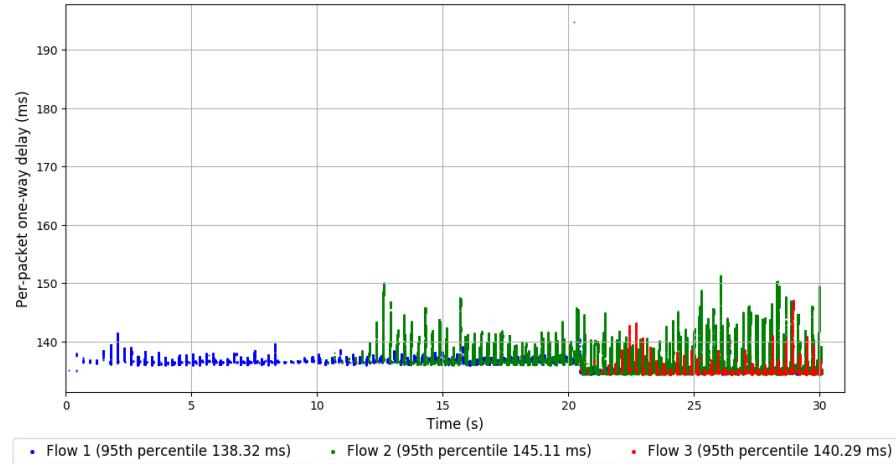
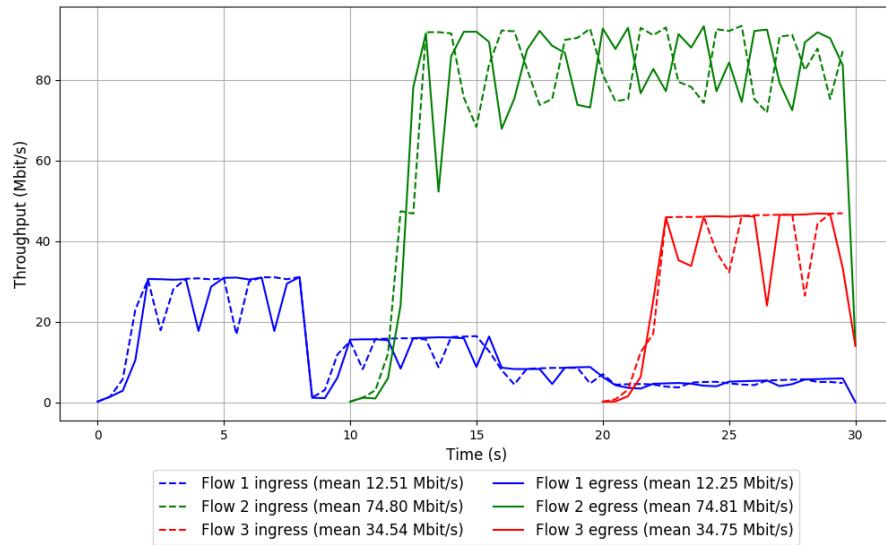
Run 3: Statistics of TCP Vegas

Start at: 2017-12-01 11:47:23

End at: 2017-12-01 11:47:53

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 144.090 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 138.319 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 145.113 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 140.286 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link



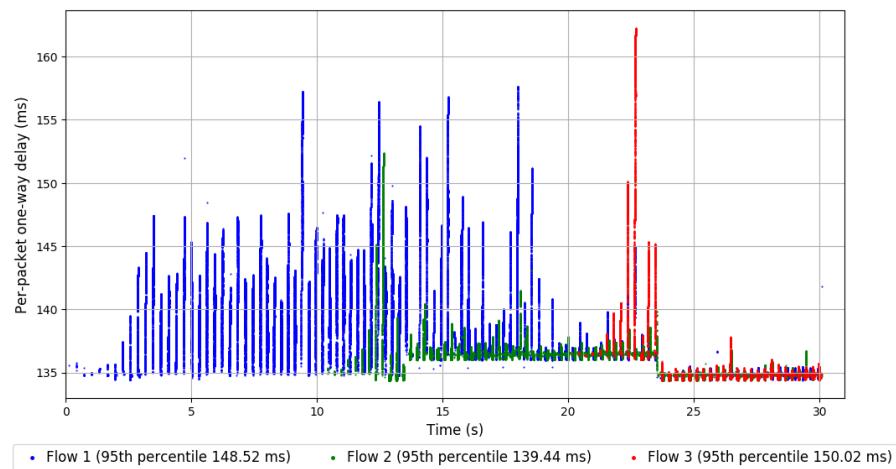
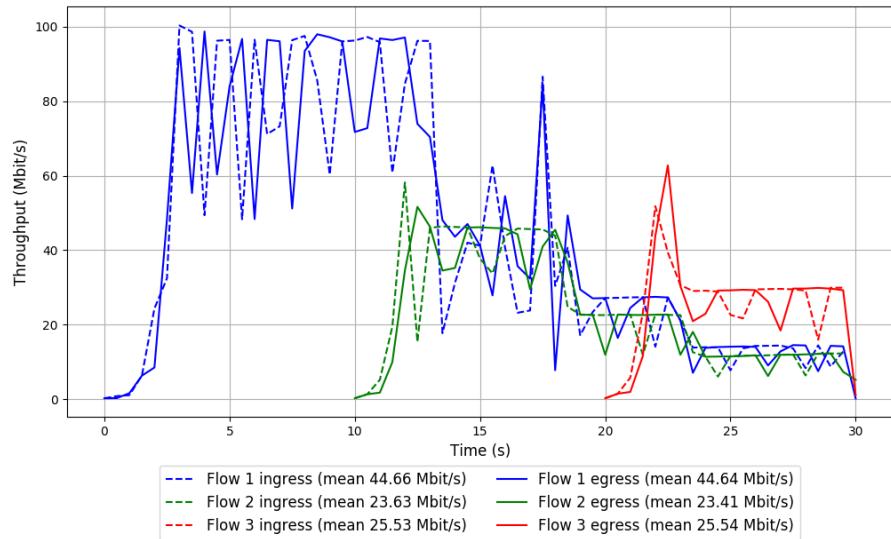
Run 4: Statistics of TCP Vegas

Start at: 2017-12-01 12:01:50

End at: 2017-12-01 12:02:20

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 147.770 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 44.64 Mbit/s
95th percentile per-packet one-way delay: 148.523 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 139.438 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 150.023 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link



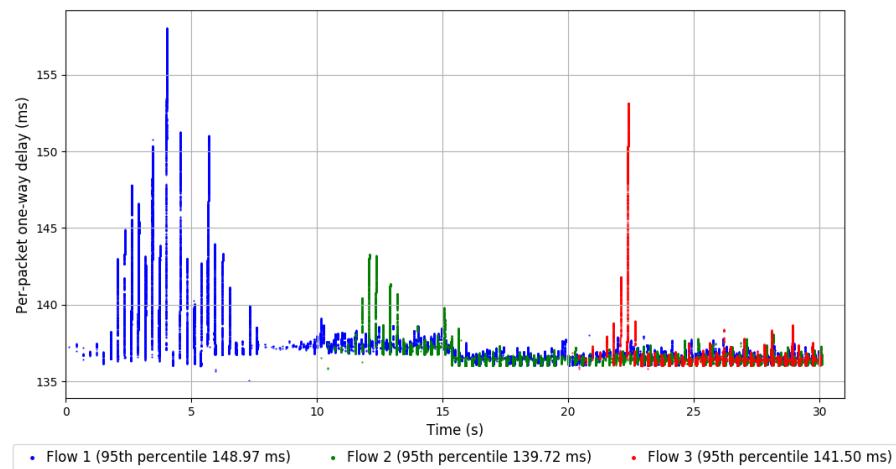
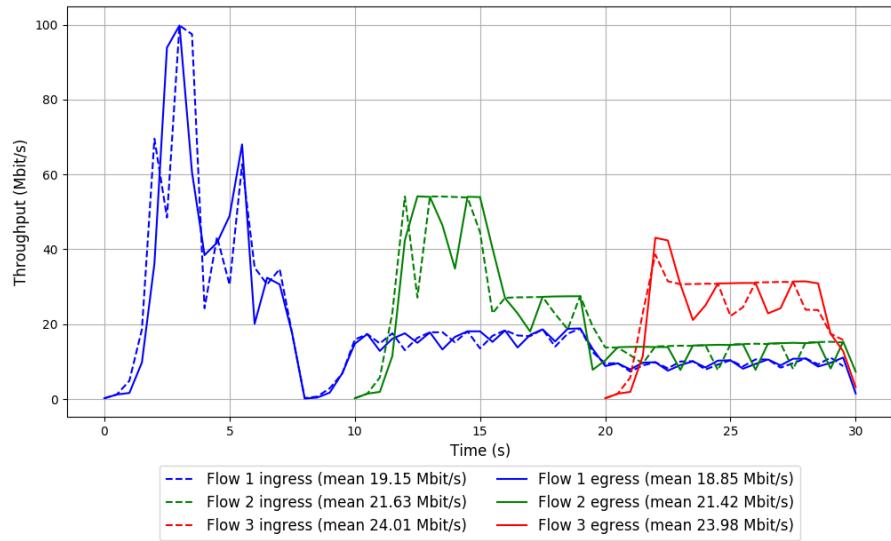
Run 5: Statistics of TCP Vegas

Start at: 2017-12-01 12:15:38

End at: 2017-12-01 12:16:08

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 146.107 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 148.965 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 139.718 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 141.500 ms
Loss rate: 0.12%
```

Run 5: Report of TCP Vegas — Data Link



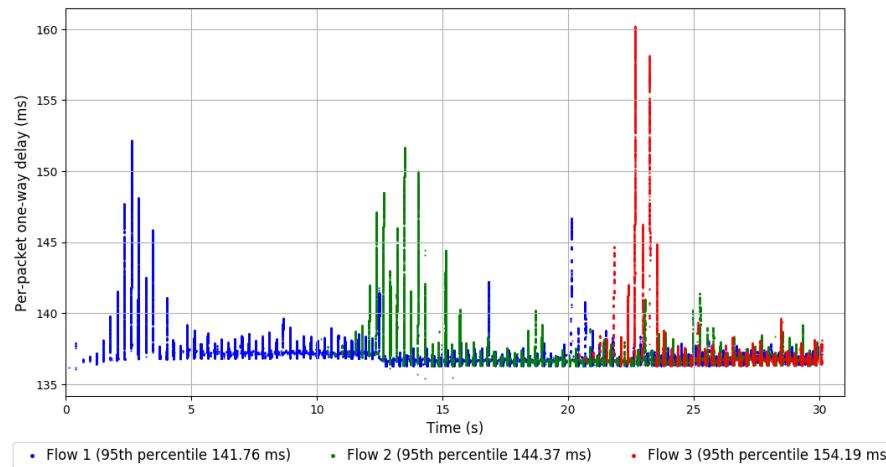
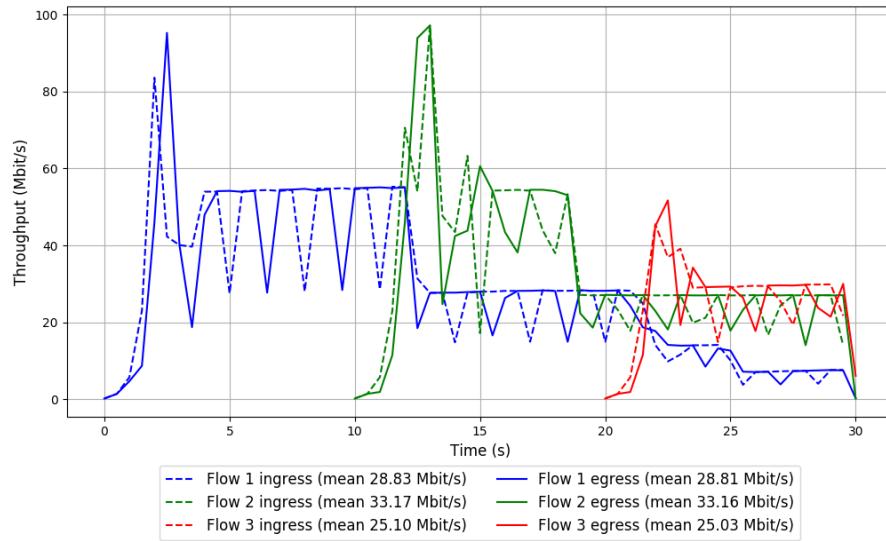
Run 6: Statistics of TCP Vegas

Start at: 2017-12-01 12:29:31

End at: 2017-12-01 12:30:01

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 144.190 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 141.757 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 144.370 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 154.193 ms
Loss rate: 0.29%
```

Run 6: Report of TCP Vegas — Data Link



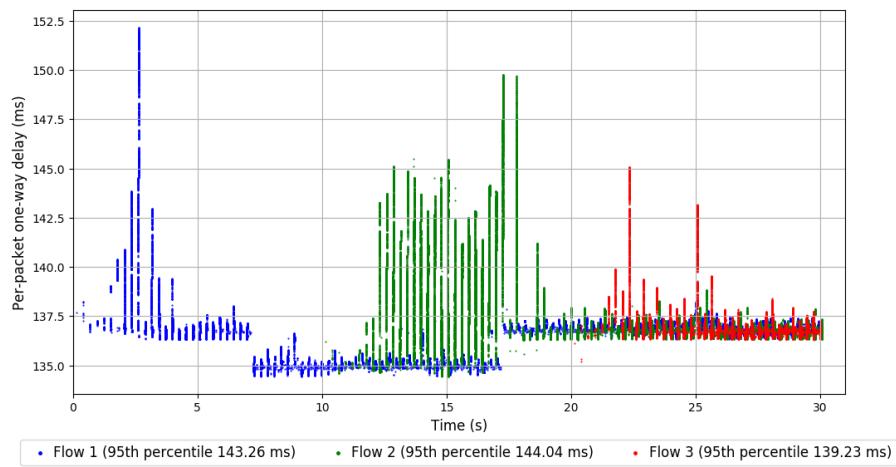
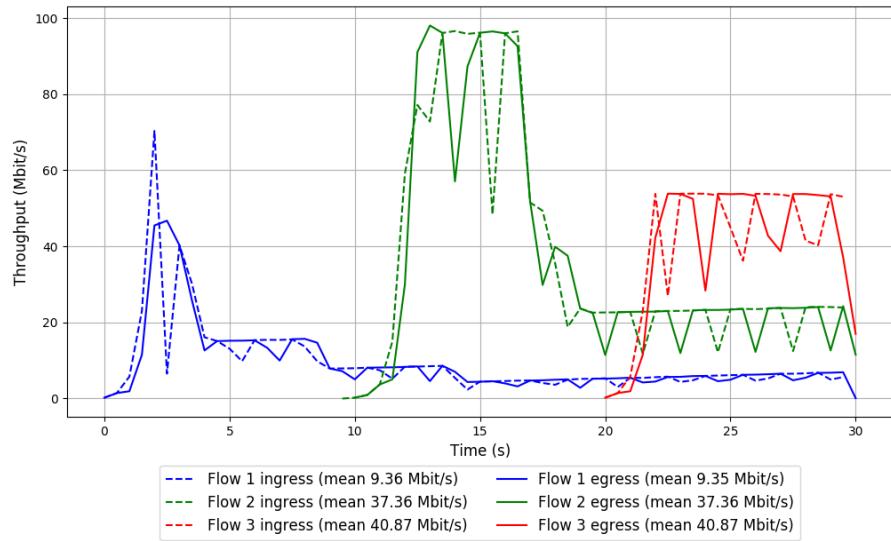
Run 7: Statistics of TCP Vegas

Start at: 2017-12-01 12:43:07

End at: 2017-12-01 12:43:37

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 143.504 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 143.262 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.36 Mbit/s
95th percentile per-packet one-way delay: 144.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 139.232 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link



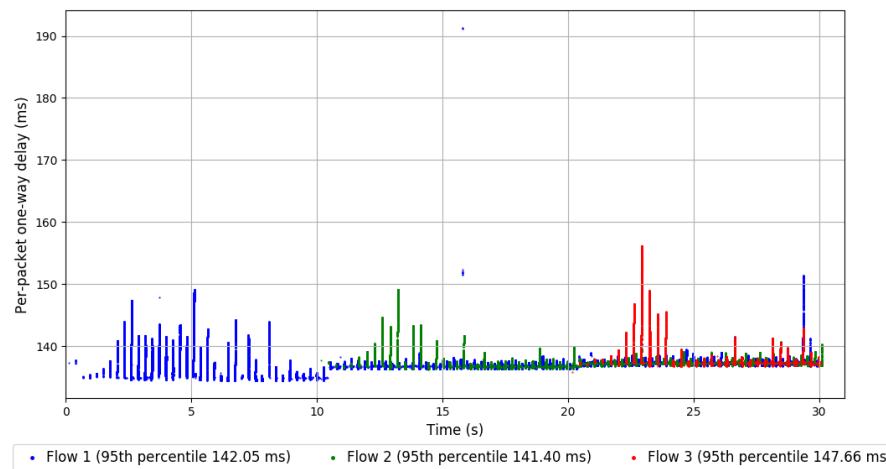
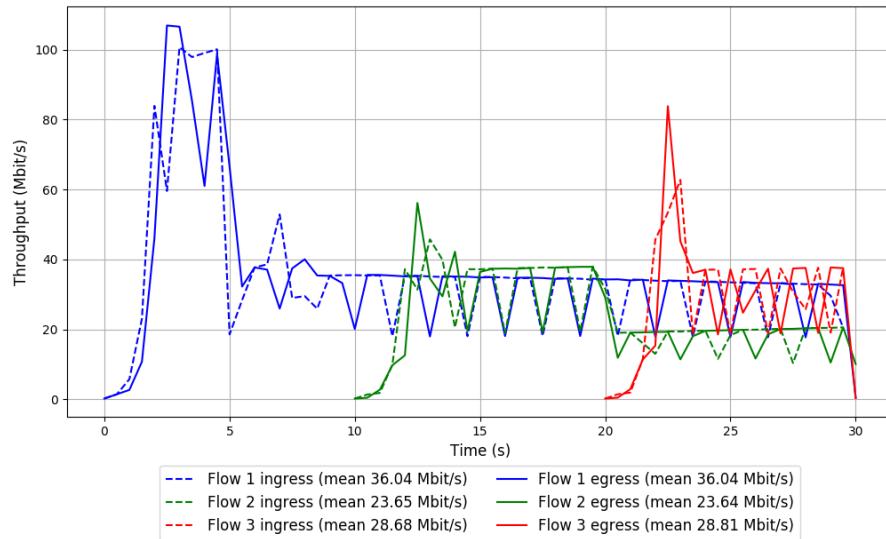
Run 8: Statistics of TCP Vegas

Start at: 2017-12-01 12:57:13

End at: 2017-12-01 12:57:43

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 142.767 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 142.049 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 141.397 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 147.664 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link



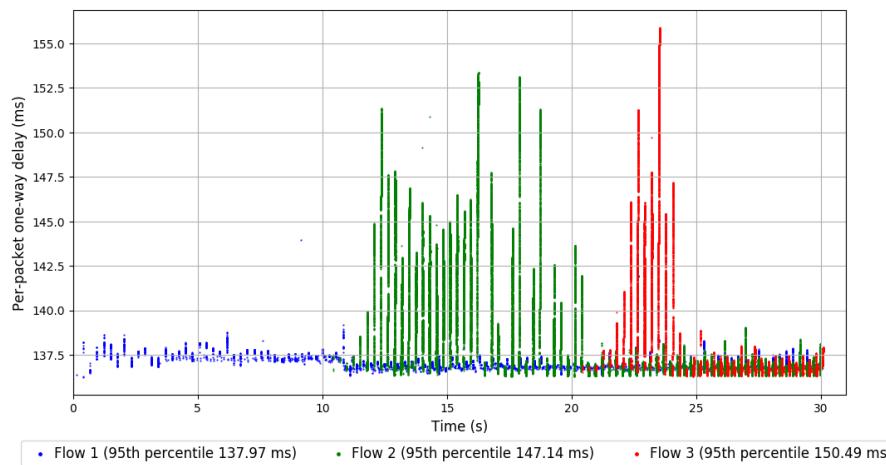
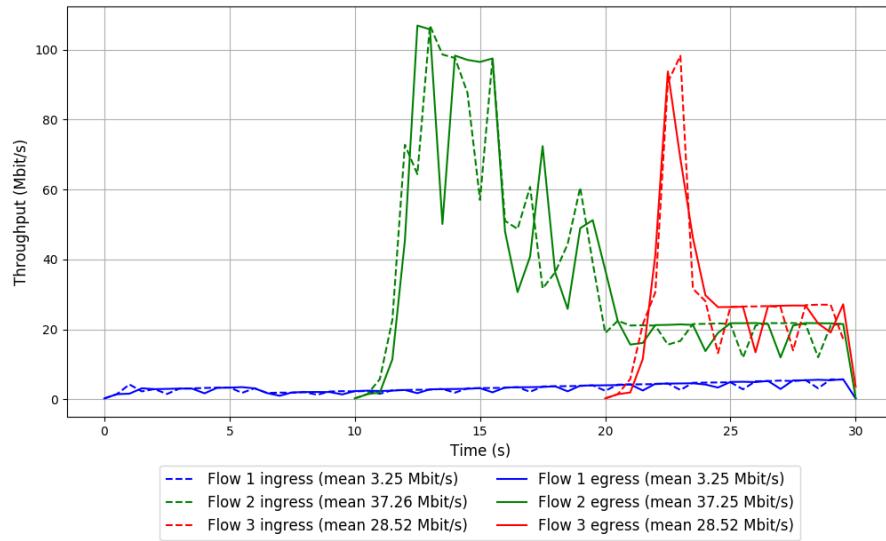
Run 9: Statistics of TCP Vegas

Start at: 2017-12-01 13:11:23

End at: 2017-12-01 13:11:53

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 147.594 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 137.971 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 147.139 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.52 Mbit/s
95th percentile per-packet one-way delay: 150.486 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link



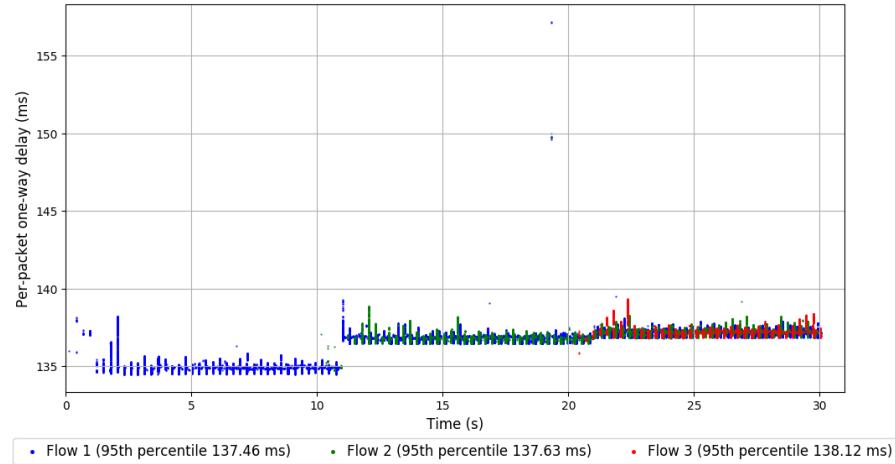
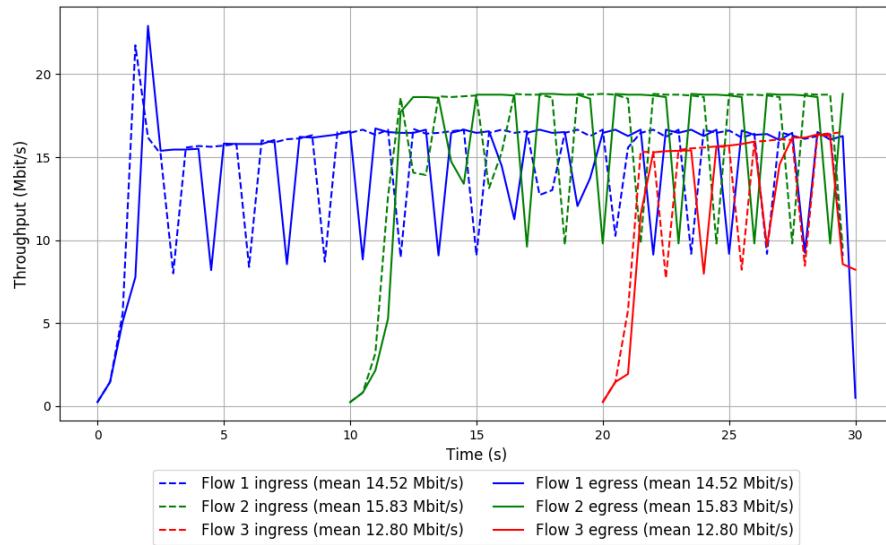
Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 13:24:53

End at: 2017-12-01 13:25:23

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 137.595 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 137.461 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 137.632 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 138.124 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link



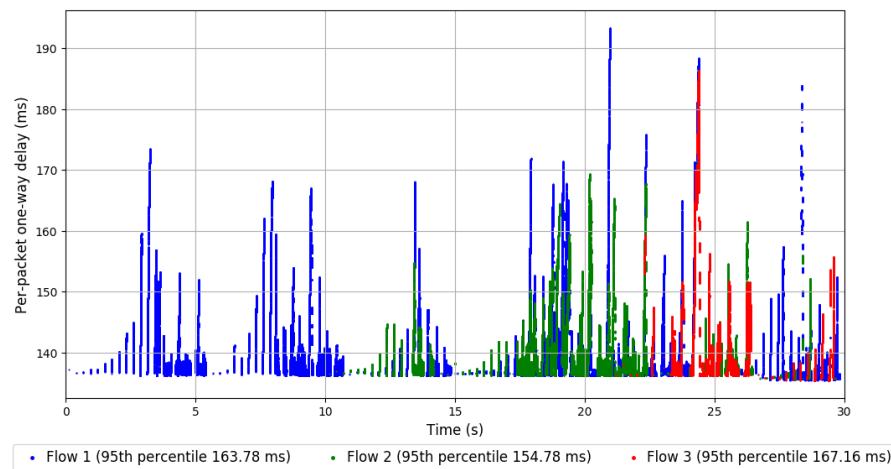
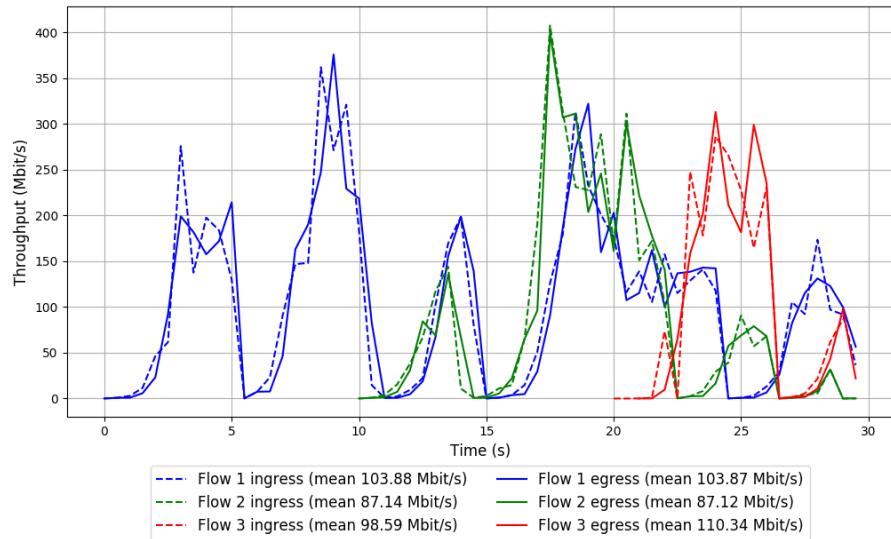
Run 1: Statistics of Verus

Start at: 2017-12-01 11:17:07

End at: 2017-12-01 11:17:37

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 192.31 Mbit/s
95th percentile per-packet one-way delay: 161.792 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 103.87 Mbit/s
95th percentile per-packet one-way delay: 163.784 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 154.785 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 110.34 Mbit/s
95th percentile per-packet one-way delay: 167.162 ms
Loss rate: 0.00%
```

Run 1: Report of Verus — Data Link



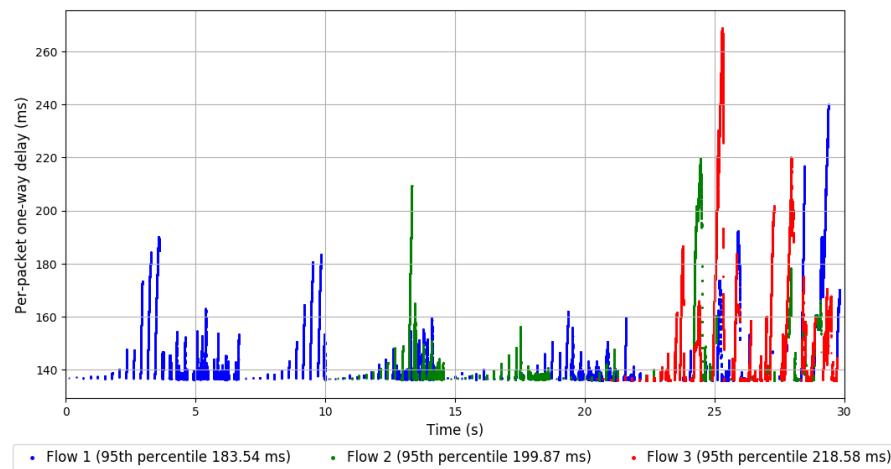
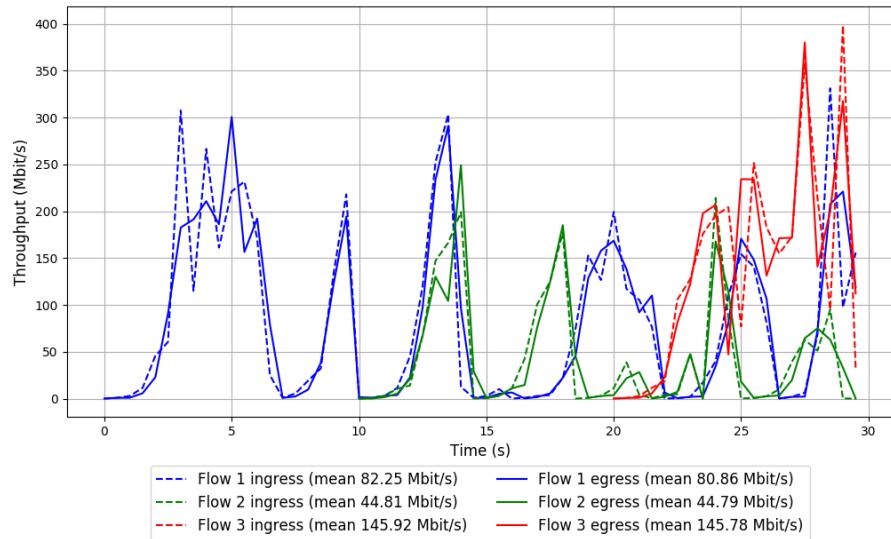
Run 2: Statistics of Verus

Start at: 2017-12-01 11:31:03

End at: 2017-12-01 11:31:33

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 157.08 Mbit/s
95th percentile per-packet one-way delay: 197.786 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 80.86 Mbit/s
95th percentile per-packet one-way delay: 183.540 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 199.865 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 145.78 Mbit/s
95th percentile per-packet one-way delay: 218.579 ms
Loss rate: 0.01%
```

Run 2: Report of Verus — Data Link



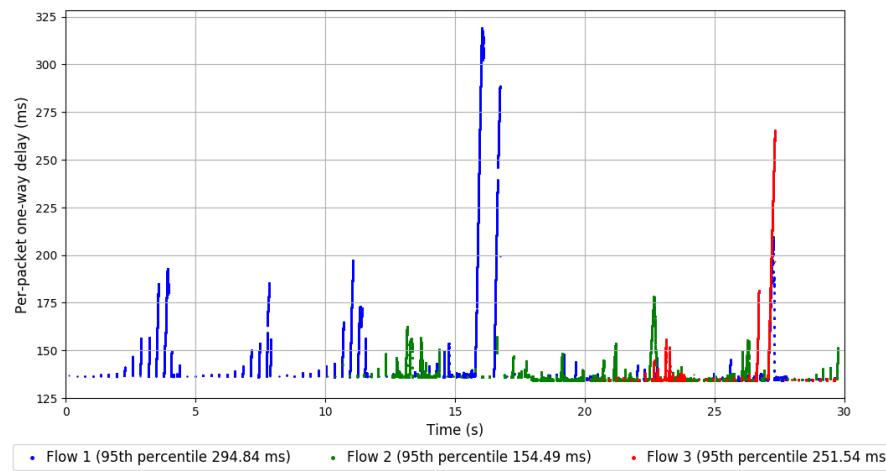
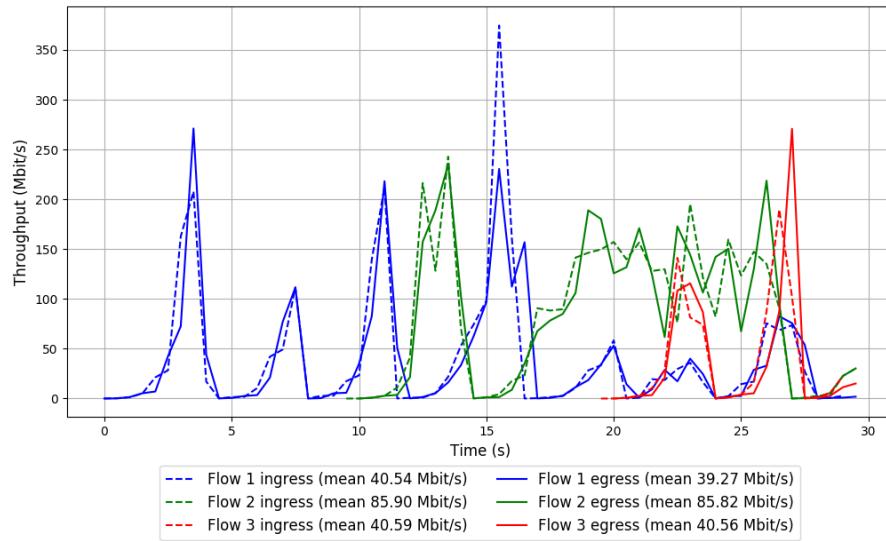
Run 3: Statistics of Verus

Start at: 2017-12-01 11:44:36

End at: 2017-12-01 11:45:06

```
# Below is generated by plot.py at 2017-12-01 14:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.99 Mbit/s
95th percentile per-packet one-way delay: 234.938 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 294.844 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 154.486 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 251.545 ms
Loss rate: 0.07%
```

Run 3: Report of Verus — Data Link



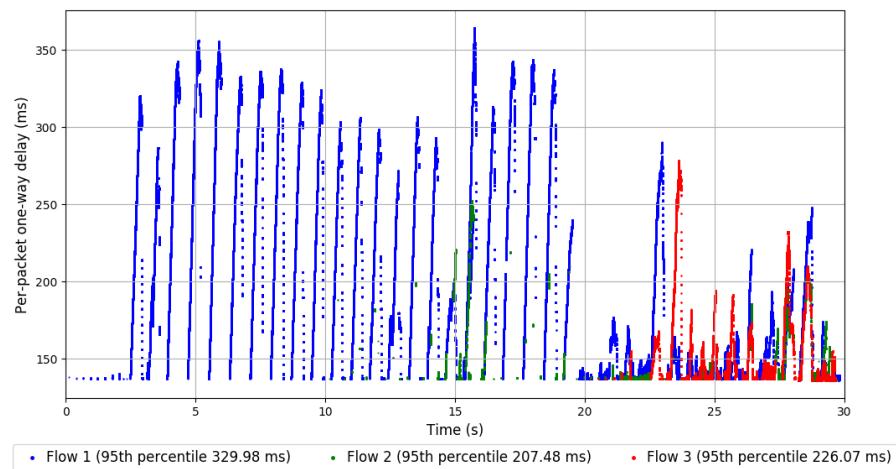
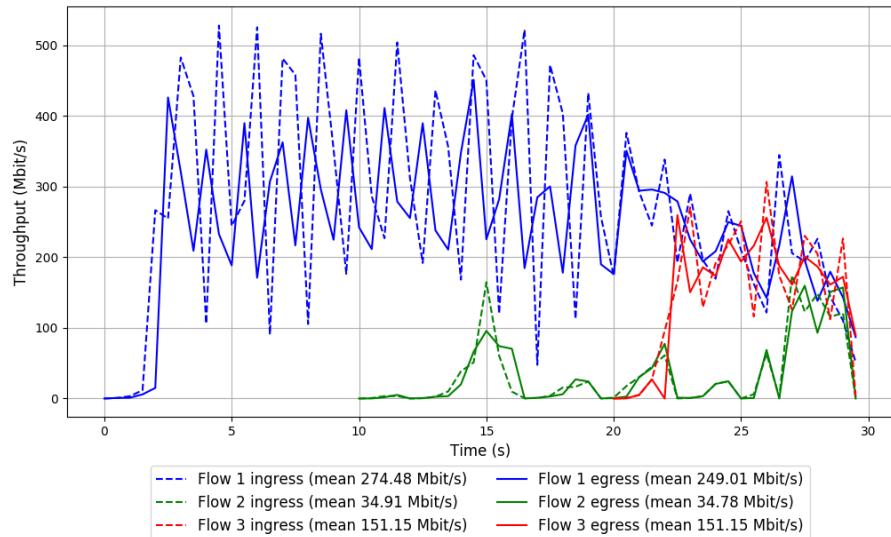
Run 4: Statistics of Verus

Start at: 2017-12-01 11:58:35

End at: 2017-12-01 11:59:05

```
# Below is generated by plot.py at 2017-12-01 14:38:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 320.05 Mbit/s
95th percentile per-packet one-way delay: 327.336 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 249.01 Mbit/s
95th percentile per-packet one-way delay: 329.981 ms
Loss rate: 9.28%
-- Flow 2:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 207.481 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 151.15 Mbit/s
95th percentile per-packet one-way delay: 226.069 ms
Loss rate: 0.01%
```

Run 4: Report of Verus — Data Link



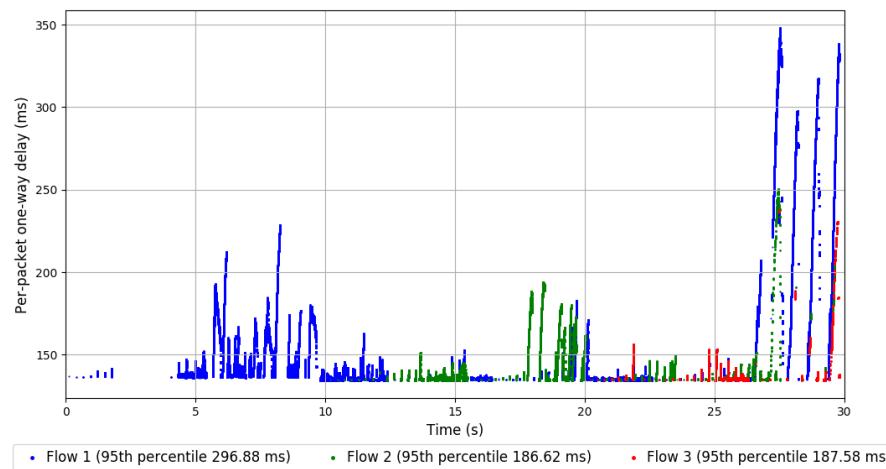
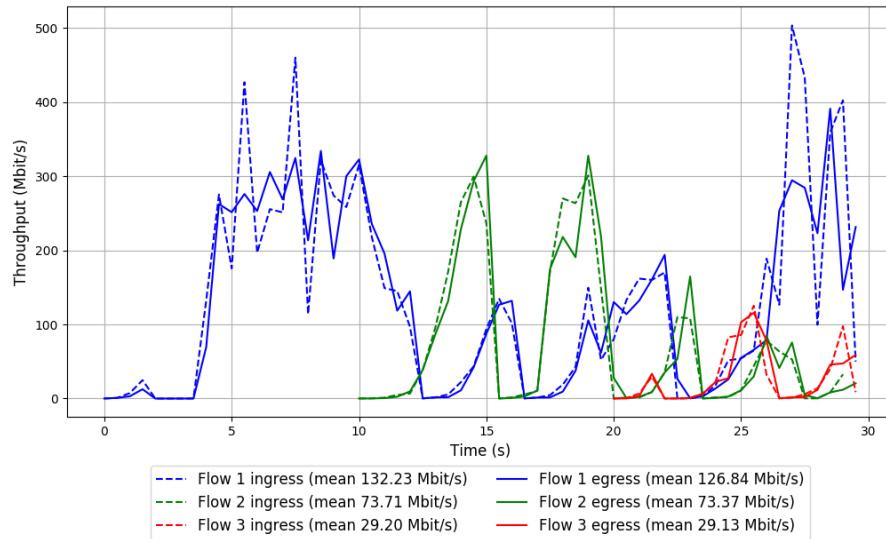
Run 5: Statistics of Verus

Start at: 2017-12-01 12:12:44

End at: 2017-12-01 12:13:14

```
# Below is generated by plot.py at 2017-12-01 14:38:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 184.28 Mbit/s
95th percentile per-packet one-way delay: 282.725 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 126.84 Mbit/s
95th percentile per-packet one-way delay: 296.882 ms
Loss rate: 3.89%
-- Flow 2:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 186.625 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 29.13 Mbit/s
95th percentile per-packet one-way delay: 187.576 ms
Loss rate: 0.21%
```

Run 5: Report of Verus — Data Link



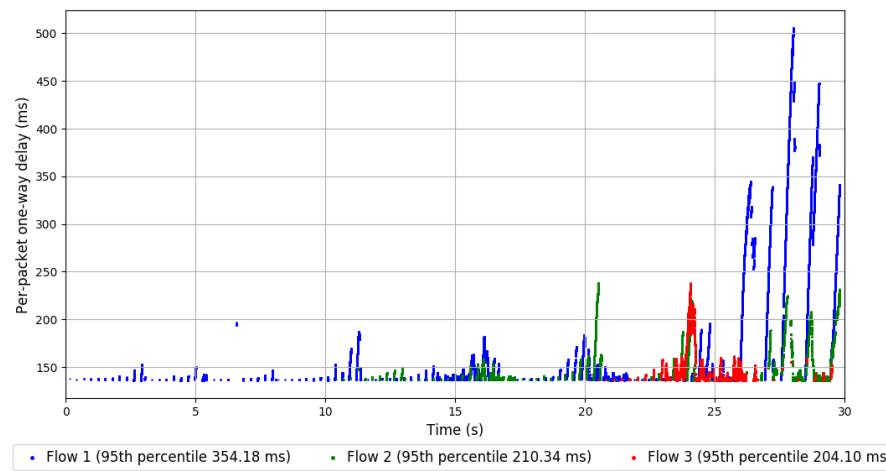
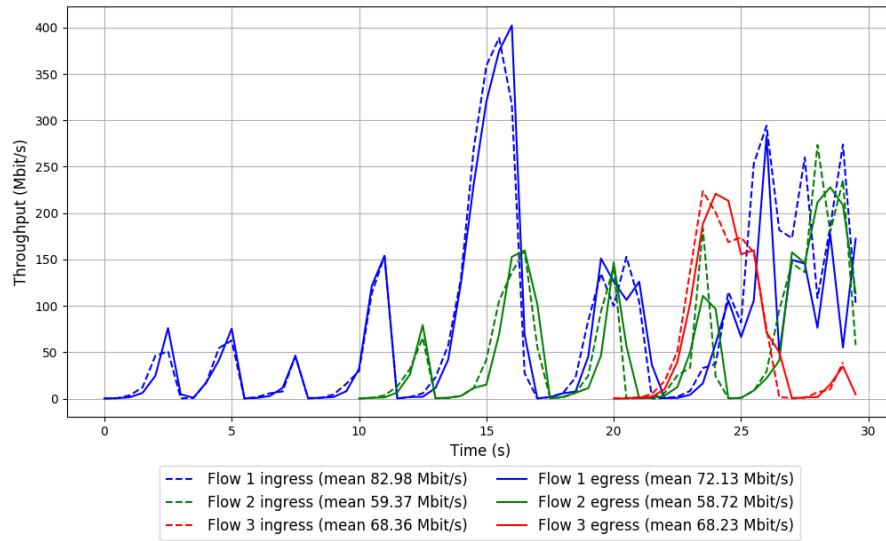
Run 6: Statistics of Verus

Start at: 2017-12-01 12:26:43

End at: 2017-12-01 12:27:13

```
# Below is generated by plot.py at 2017-12-01 14:38:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 132.50 Mbit/s
95th percentile per-packet one-way delay: 316.599 ms
Loss rate: 7.85%
-- Flow 1:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 354.175 ms
Loss rate: 13.08%
-- Flow 2:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 210.337 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 204.104 ms
Loss rate: 0.04%
```

Run 6: Report of Verus — Data Link



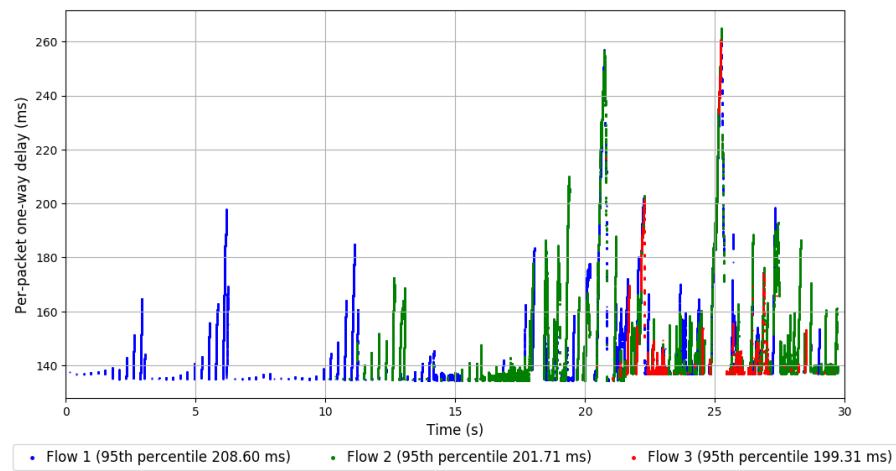
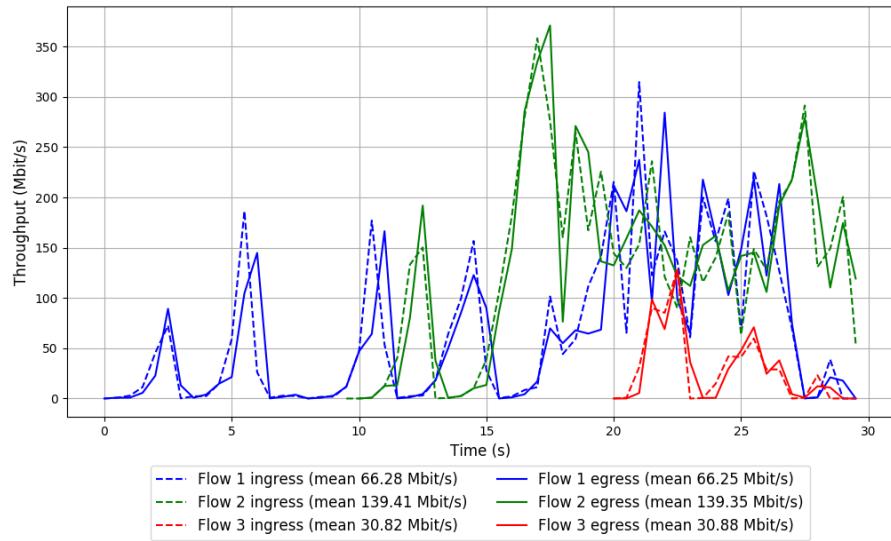
Run 7: Statistics of Verus

Start at: 2017-12-01 12:40:12

End at: 2017-12-01 12:40:42

```
# Below is generated by plot.py at 2017-12-01 14:38:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 168.29 Mbit/s
95th percentile per-packet one-way delay: 203.482 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 208.596 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 139.35 Mbit/s
95th percentile per-packet one-way delay: 201.710 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 199.310 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link



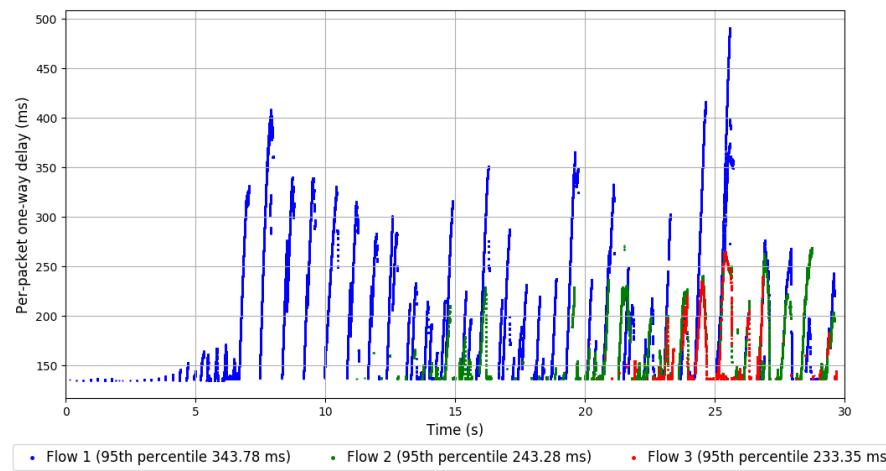
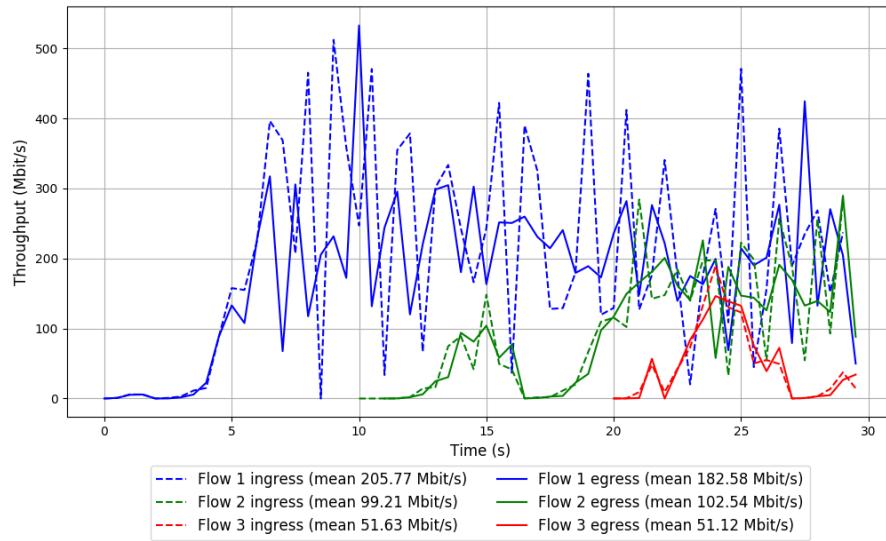
Run 8: Statistics of Verus

Start at: 2017-12-01 12:54:07

End at: 2017-12-01 12:54:37

```
# Below is generated by plot.py at 2017-12-01 14:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 262.52 Mbit/s
95th percentile per-packet one-way delay: 328.811 ms
Loss rate: 8.32%
-- Flow 1:
Average throughput: 182.58 Mbit/s
95th percentile per-packet one-way delay: 343.779 ms
Loss rate: 11.01%
-- Flow 2:
Average throughput: 102.54 Mbit/s
95th percentile per-packet one-way delay: 243.282 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 233.355 ms
Loss rate: 1.29%
```

Run 8: Report of Verus — Data Link



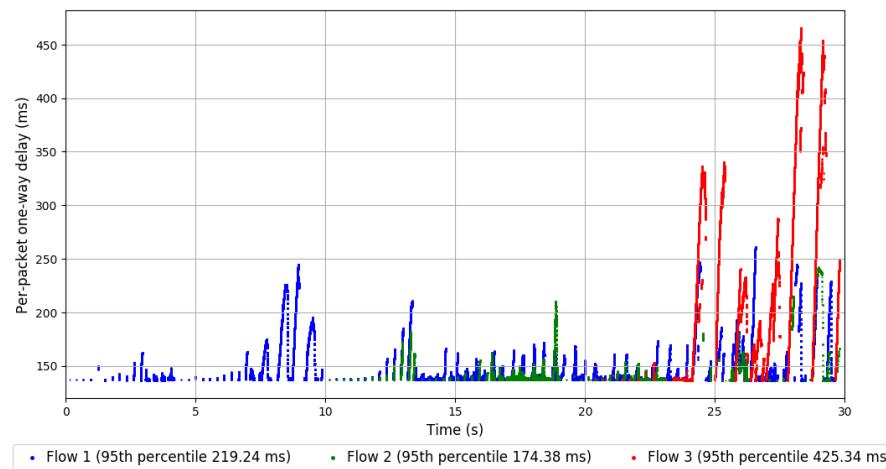
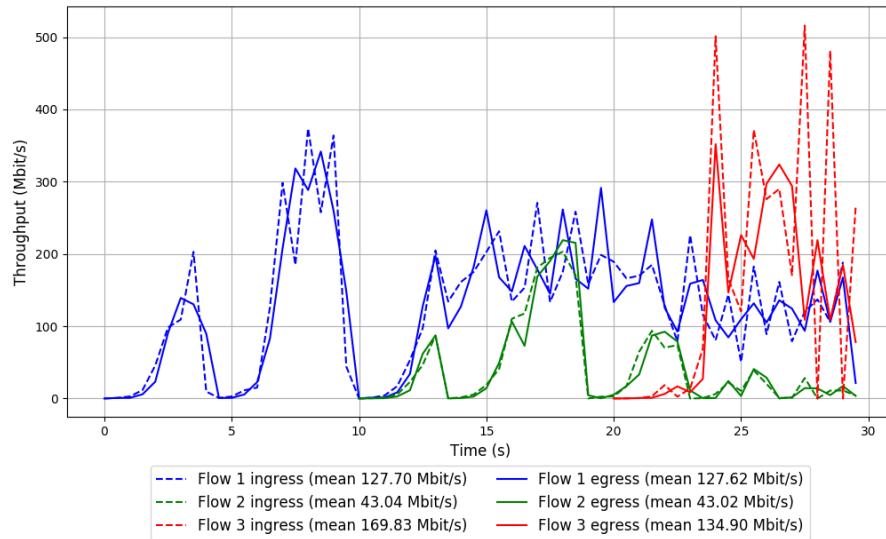
Run 9: Statistics of Verus

Start at: 2017-12-01 13:08:30

End at: 2017-12-01 13:09:00

```
# Below is generated by plot.py at 2017-12-01 14:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.99 Mbit/s
95th percentile per-packet one-way delay: 321.648 ms
Loss rate: 5.43%
-- Flow 1:
Average throughput: 127.62 Mbit/s
95th percentile per-packet one-way delay: 219.240 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 174.375 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 134.90 Mbit/s
95th percentile per-packet one-way delay: 425.342 ms
Loss rate: 20.57%
```

Run 9: Report of Verus — Data Link



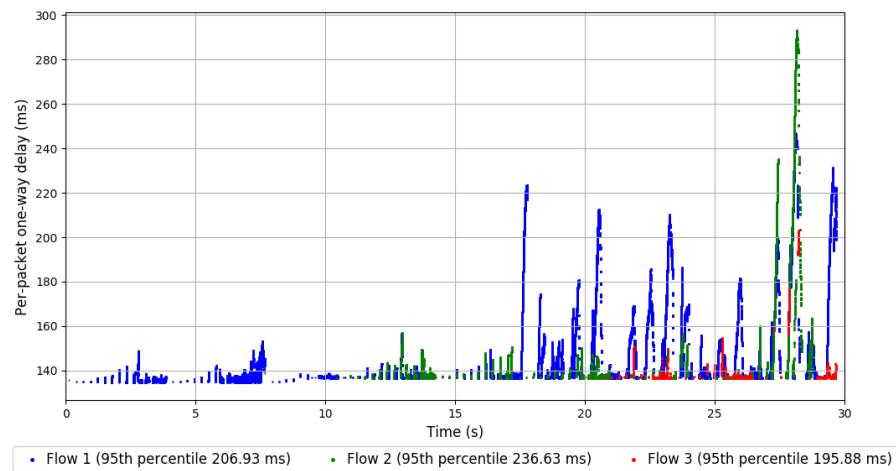
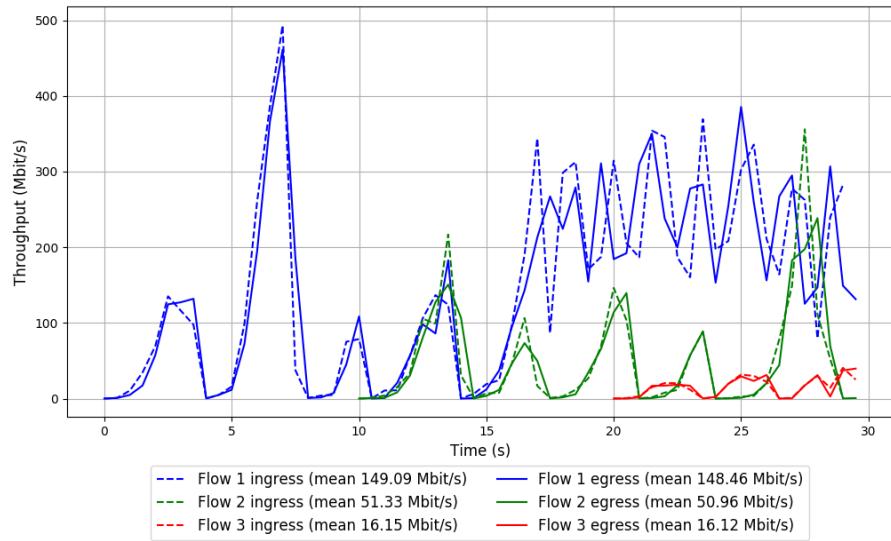
Run 10: Statistics of Verus

Start at: 2017-12-01 13:22:05

End at: 2017-12-01 13:22:35

```
# Below is generated by plot.py at 2017-12-01 14:39:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 187.13 Mbit/s
95th percentile per-packet one-way delay: 209.745 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 148.46 Mbit/s
95th percentile per-packet one-way delay: 206.928 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 236.634 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 195.883 ms
Loss rate: 0.14%
```

Run 10: Report of Verus — Data Link

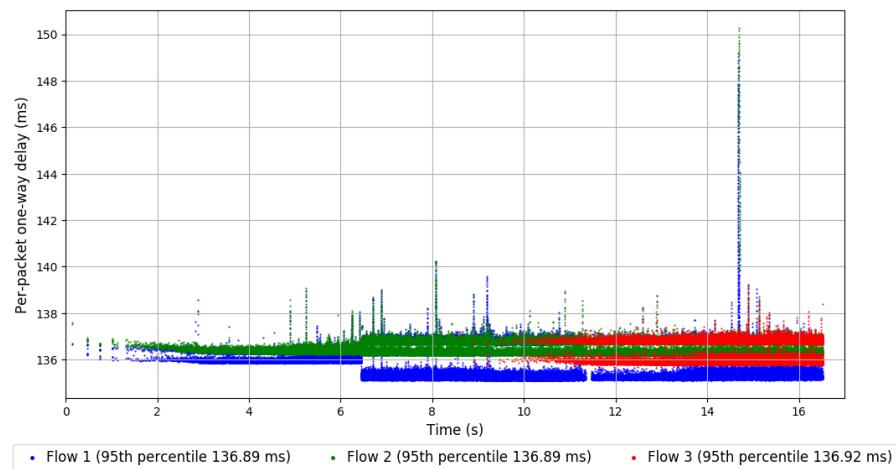
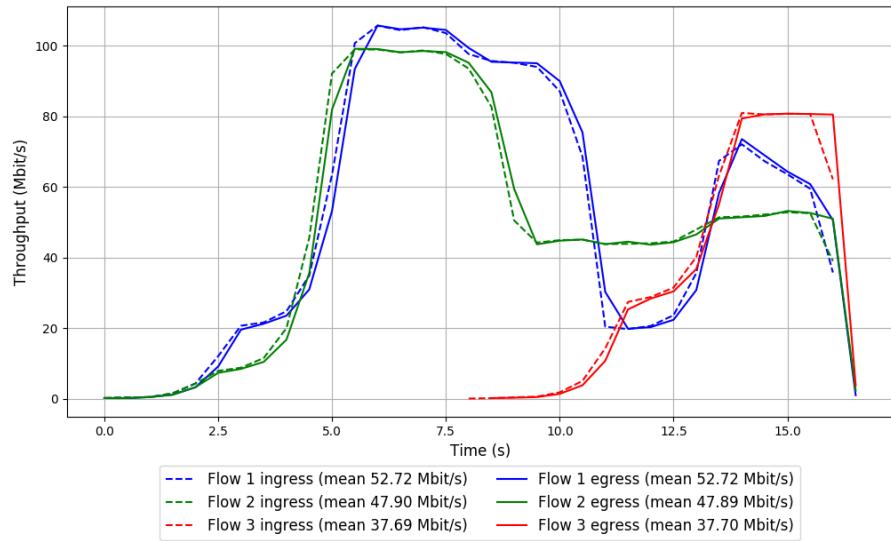


Run 1: Statistics of Copa

Start at: 2017-12-01 11:18:14

End at: 2017-12-01 11:18:44

Run 1: Report of Copa — Data Link

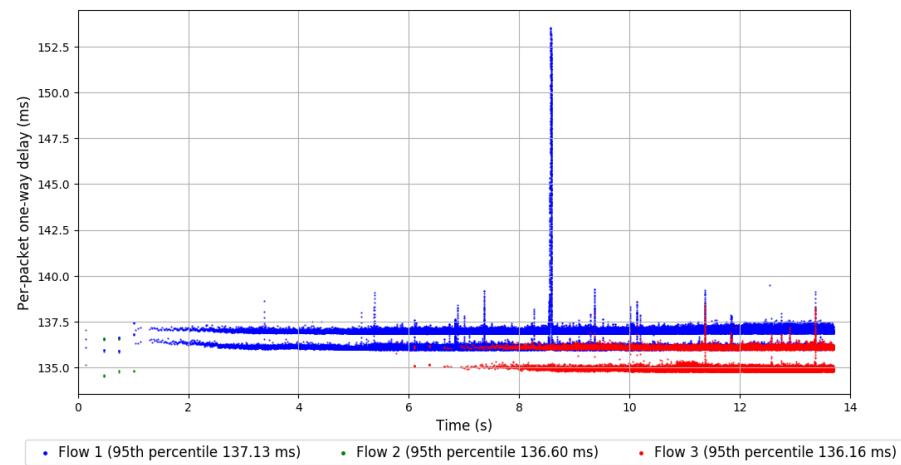
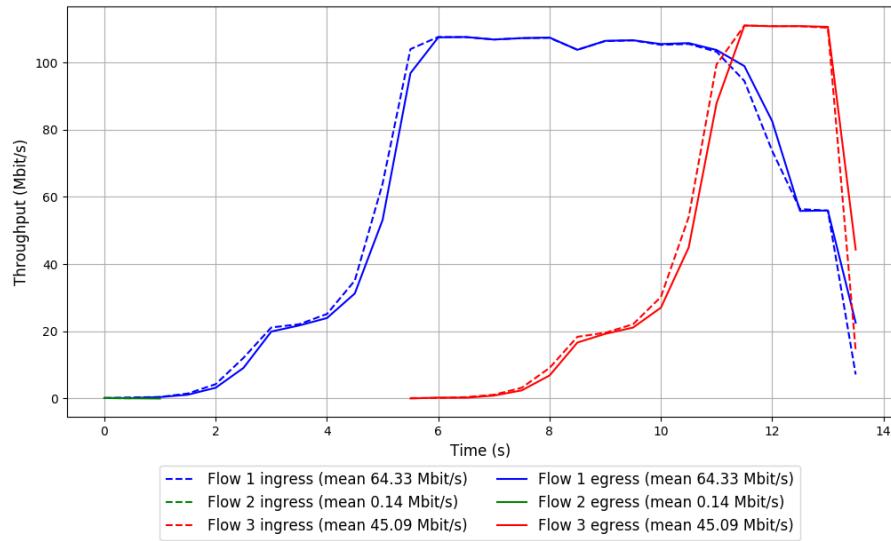


Run 2: Statistics of Copa

Start at: 2017-12-01 11:32:07

End at: 2017-12-01 11:32:37

Run 2: Report of Copa — Data Link

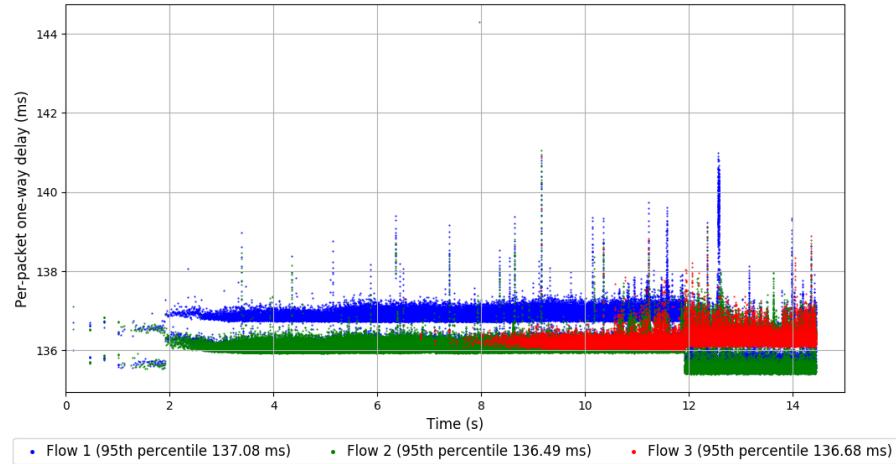
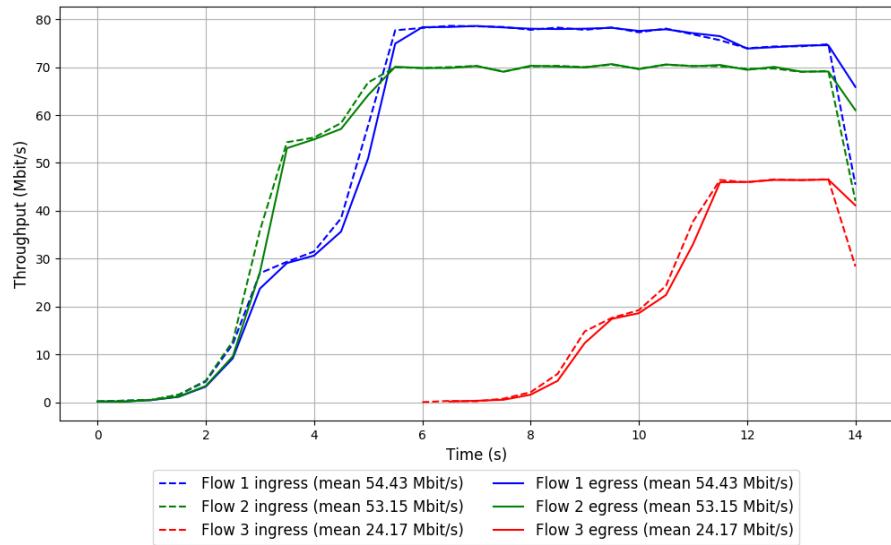


Run 3: Statistics of Copa

Start at: 2017-12-01 11:45:36

End at: 2017-12-01 11:46:06

Run 3: Report of Copa — Data Link



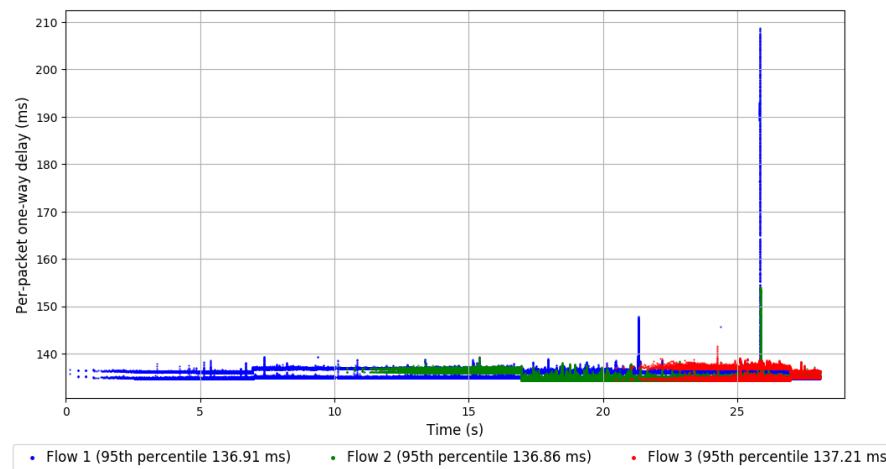
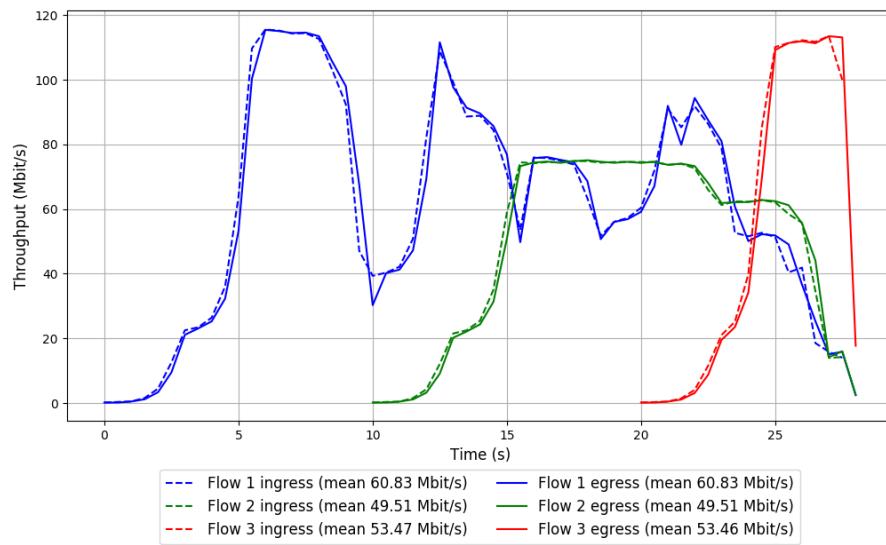
Run 4: Statistics of Copa

Start at: 2017-12-01 11:59:55

End at: 2017-12-01 12:00:25

```
# Below is generated by plot.py at 2017-12-01 14:41:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 107.79 Mbit/s
95th percentile per-packet one-way delay: 136.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 136.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 136.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.46 Mbit/s
95th percentile per-packet one-way delay: 137.207 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

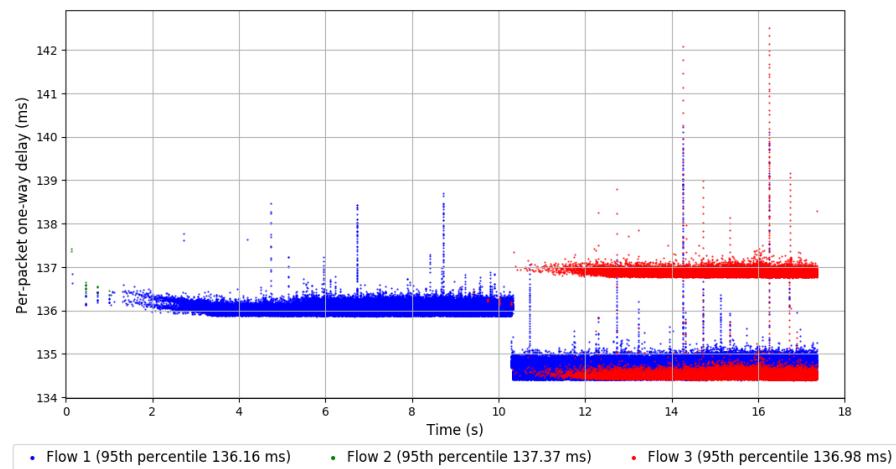
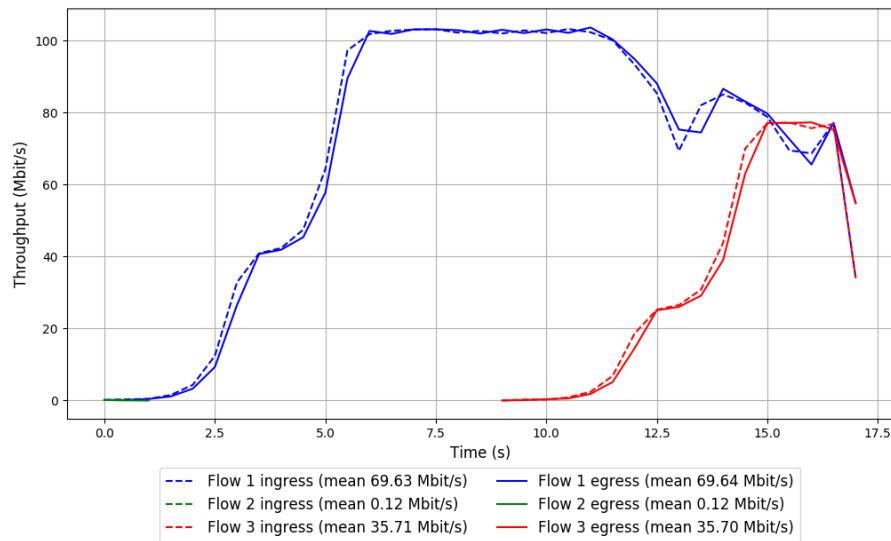


Run 5: Statistics of Copa

Start at: 2017-12-01 12:13:51

End at: 2017-12-01 12:14:21

Run 5: Report of Copa — Data Link

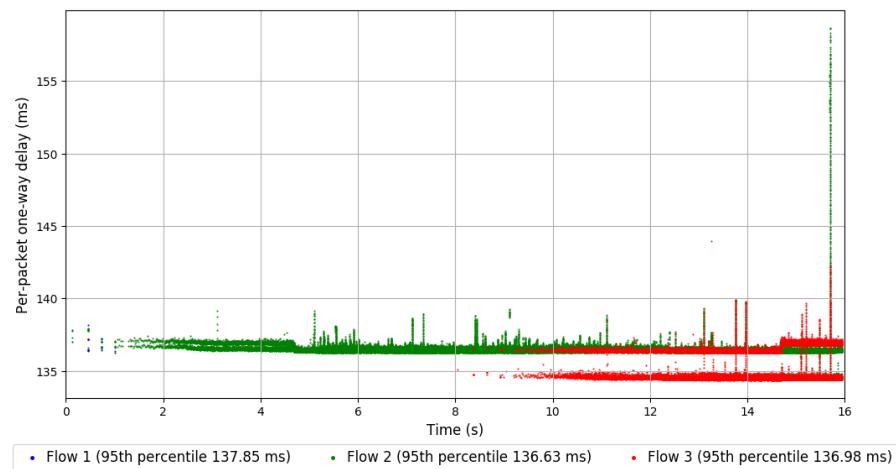
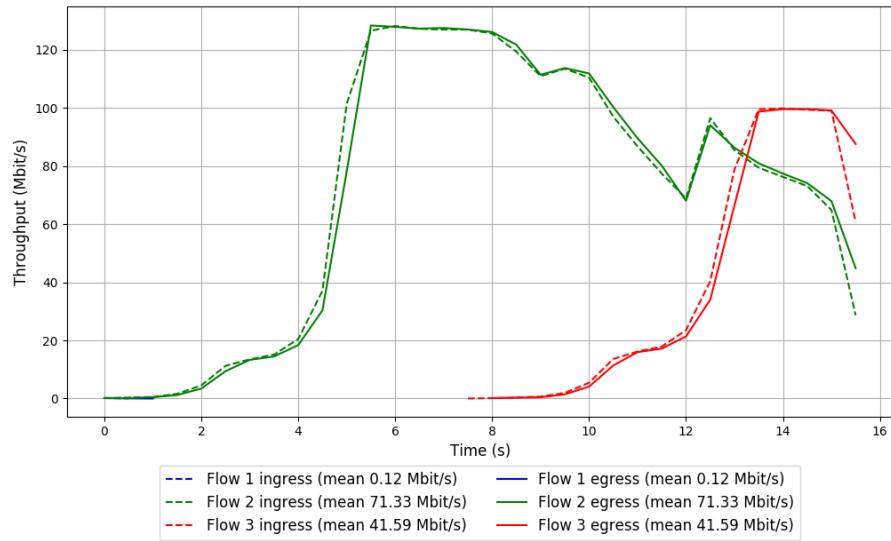


Run 6: Statistics of Copa

Start at: 2017-12-01 12:27:45

End at: 2017-12-01 12:28:15

Run 6: Report of Copa — Data Link

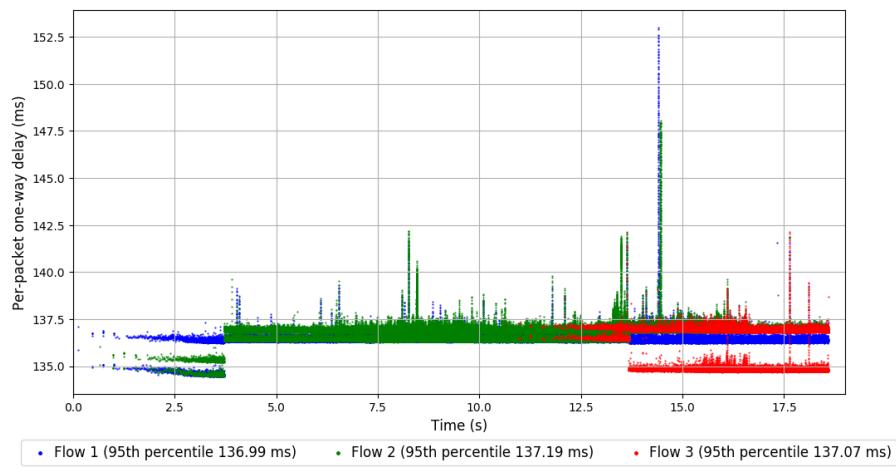
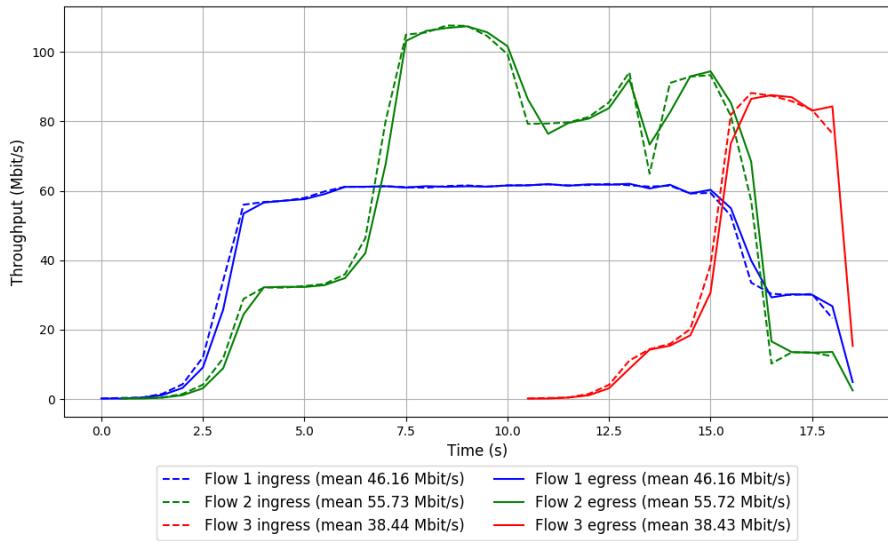


Run 7: Statistics of Copa

Start at: 2017-12-01 12:41:19

End at: 2017-12-01 12:41:49

Run 7: Report of Copa — Data Link



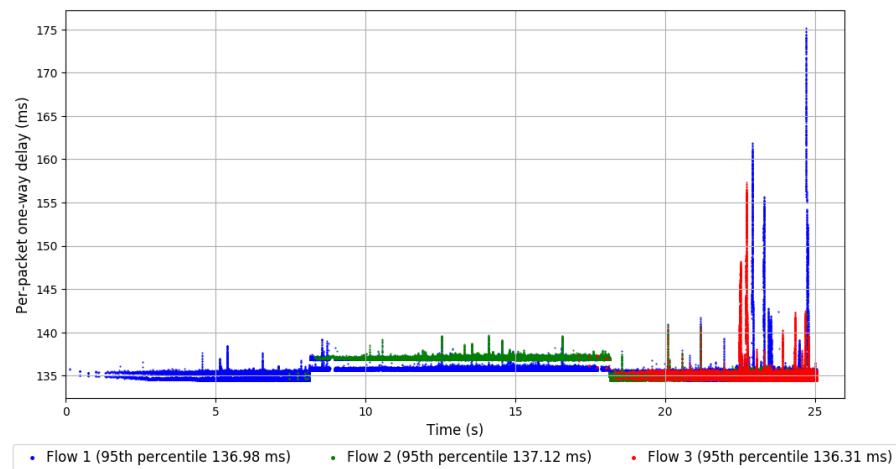
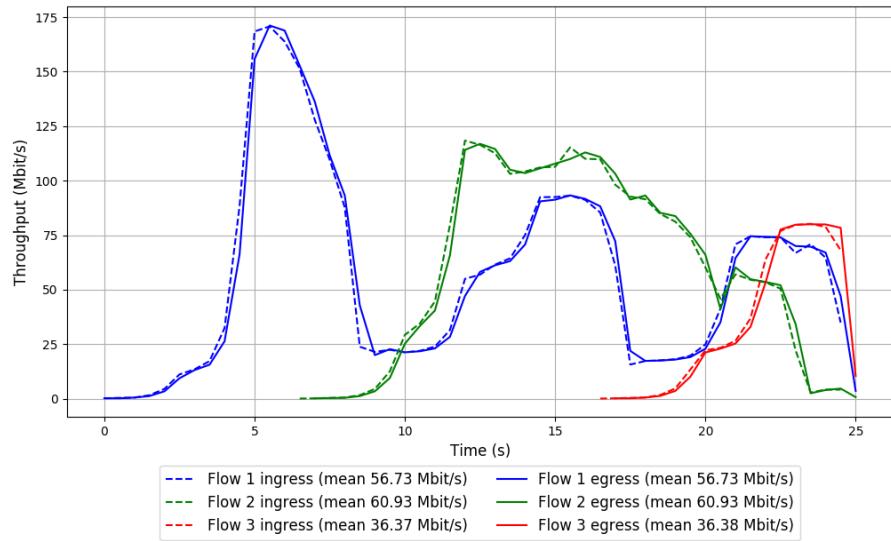
Run 8: Statistics of Copa

Start at: 2017-12-01 12:55:21

End at: 2017-12-01 12:55:51

```
# Below is generated by plot.py at 2017-12-01 14:41:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.16 Mbit/s
95th percentile per-packet one-way delay: 137.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 136.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 137.123 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 136.312 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

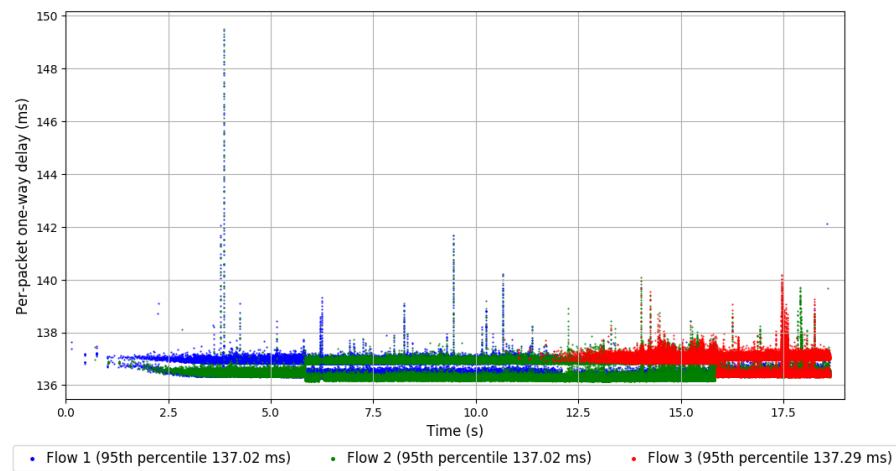
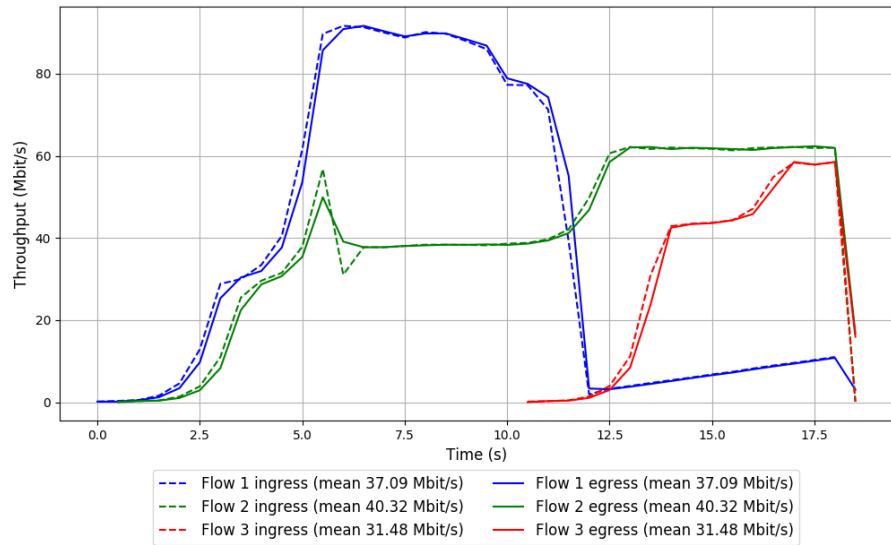


Run 9: Statistics of Copa

Start at: 2017-12-01 13:09:37

End at: 2017-12-01 13:10:07

Run 9: Report of Copa — Data Link

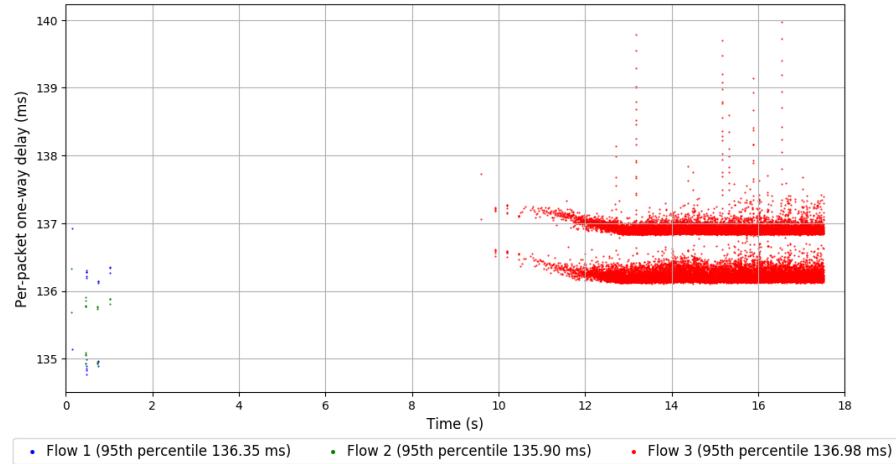
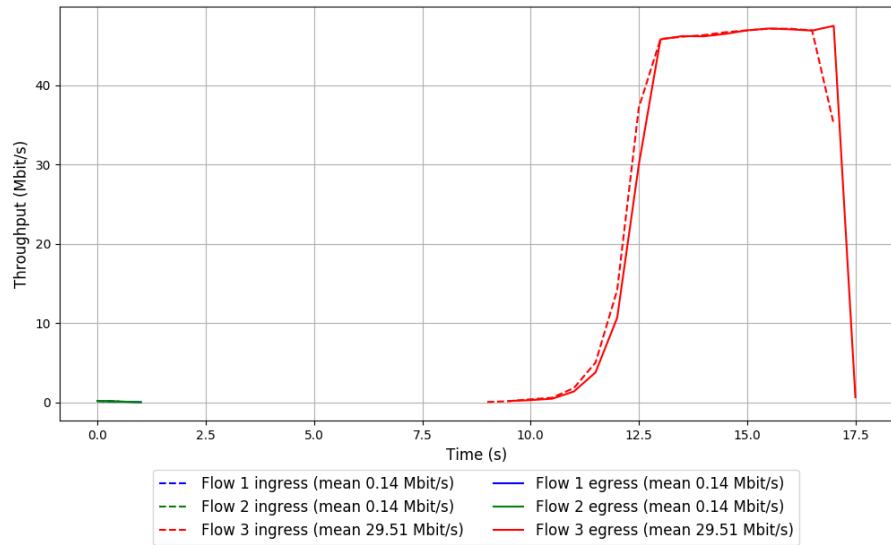


Run 10: Statistics of Copa

Start at: 2017-12-01 13:23:13

End at: 2017-12-01 13:23:43

Run 10: Report of Copa — Data Link



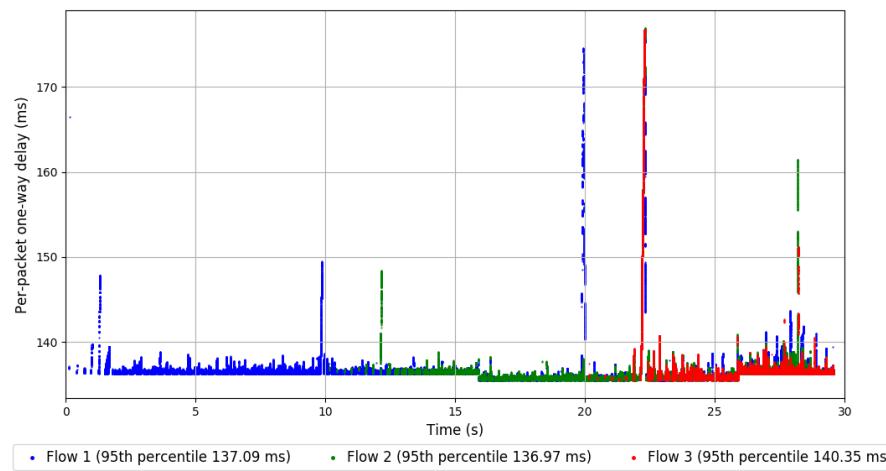
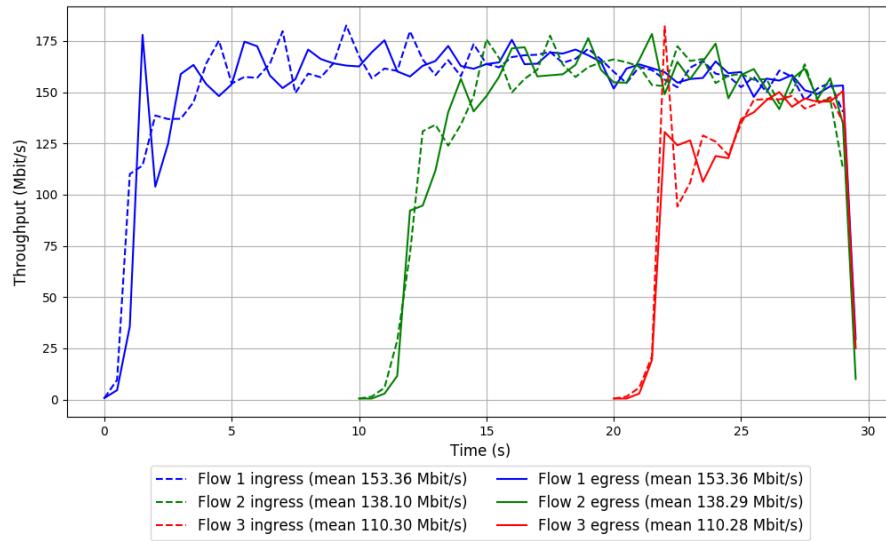
Run 1: Statistics of Indigo

Start at: 2017-12-01 11:14:07

End at: 2017-12-01 11:14:37

```
# Below is generated by plot.py at 2017-12-01 14:44:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.71 Mbit/s
95th percentile per-packet one-way delay: 137.208 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 153.36 Mbit/s
95th percentile per-packet one-way delay: 137.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 138.29 Mbit/s
95th percentile per-packet one-way delay: 136.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 110.28 Mbit/s
95th percentile per-packet one-way delay: 140.354 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link



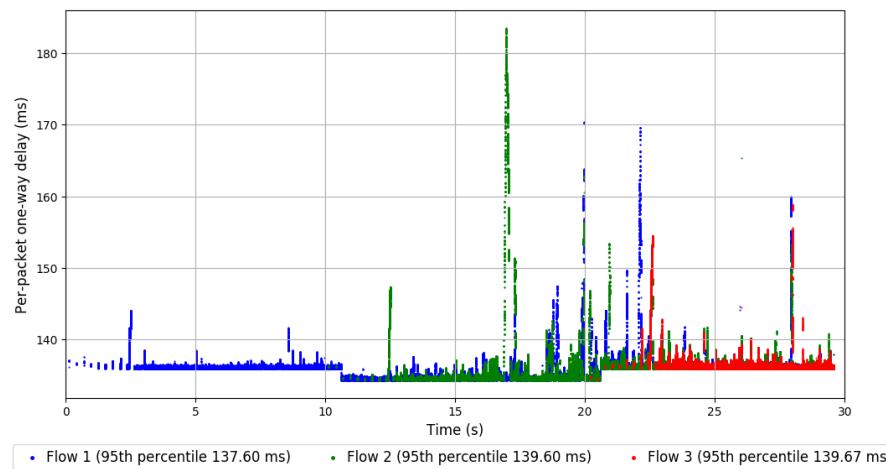
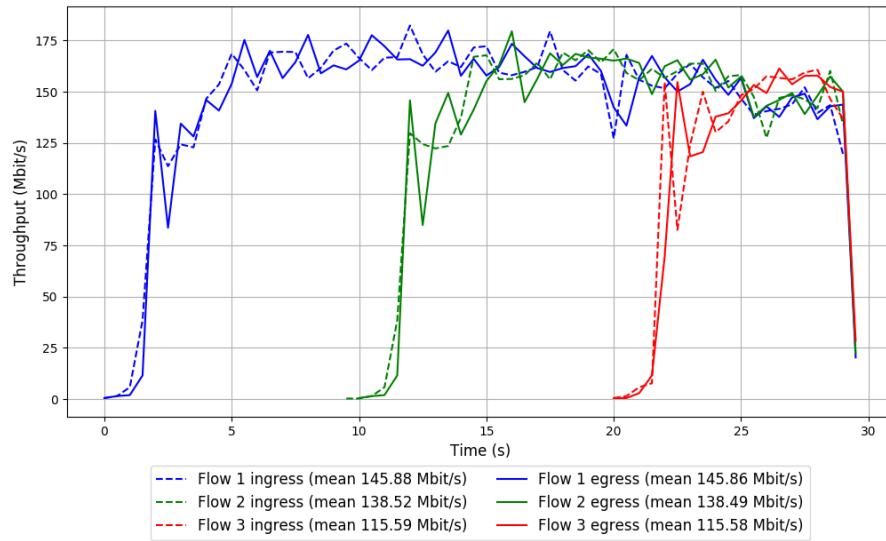
Run 2: Statistics of Indigo

Start at: 2017-12-01 11:28:03

End at: 2017-12-01 11:28:33

```
# Below is generated by plot.py at 2017-12-01 14:44:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 274.13 Mbit/s
95th percentile per-packet one-way delay: 138.377 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 145.86 Mbit/s
95th percentile per-packet one-way delay: 137.605 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 138.49 Mbit/s
95th percentile per-packet one-way delay: 139.598 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 115.58 Mbit/s
95th percentile per-packet one-way delay: 139.674 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link



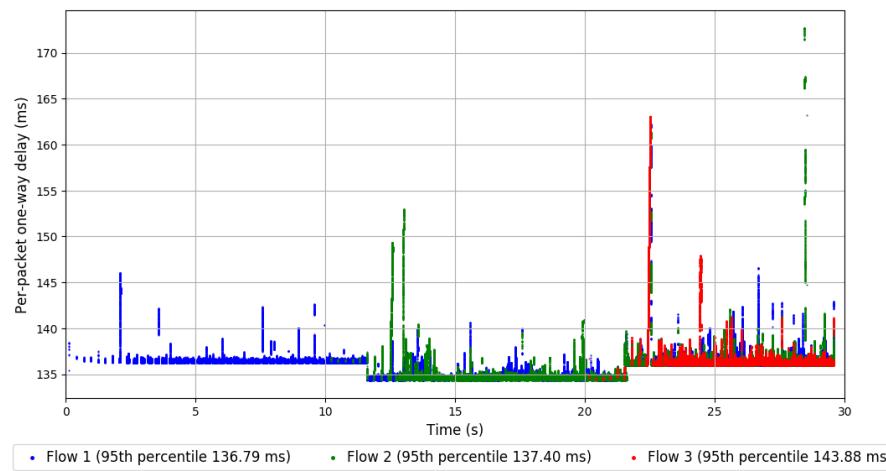
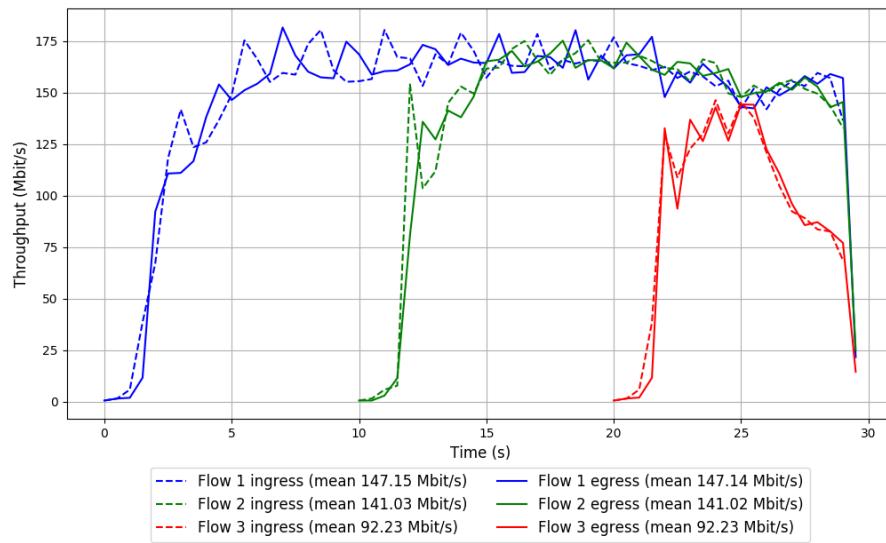
Run 3: Statistics of Indigo

Start at: 2017-12-01 11:41:32

End at: 2017-12-01 11:42:02

```
# Below is generated by plot.py at 2017-12-01 14:44:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.41 Mbit/s
95th percentile per-packet one-way delay: 137.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.14 Mbit/s
95th percentile per-packet one-way delay: 136.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.02 Mbit/s
95th percentile per-packet one-way delay: 137.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 143.879 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link



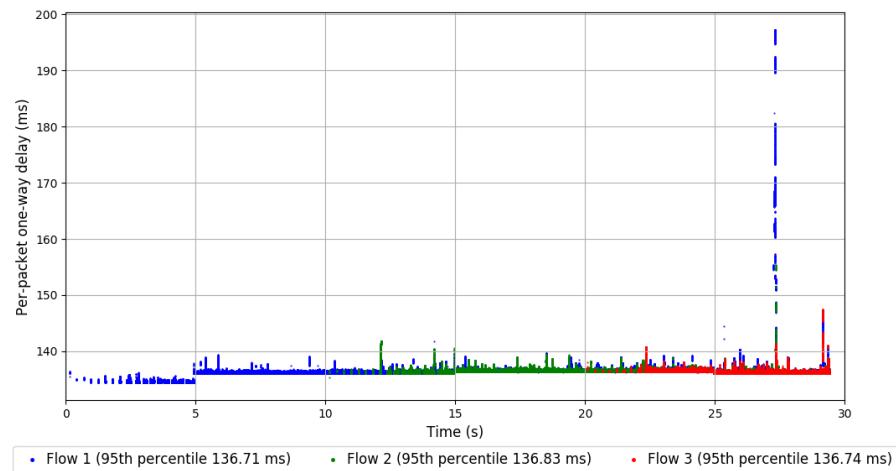
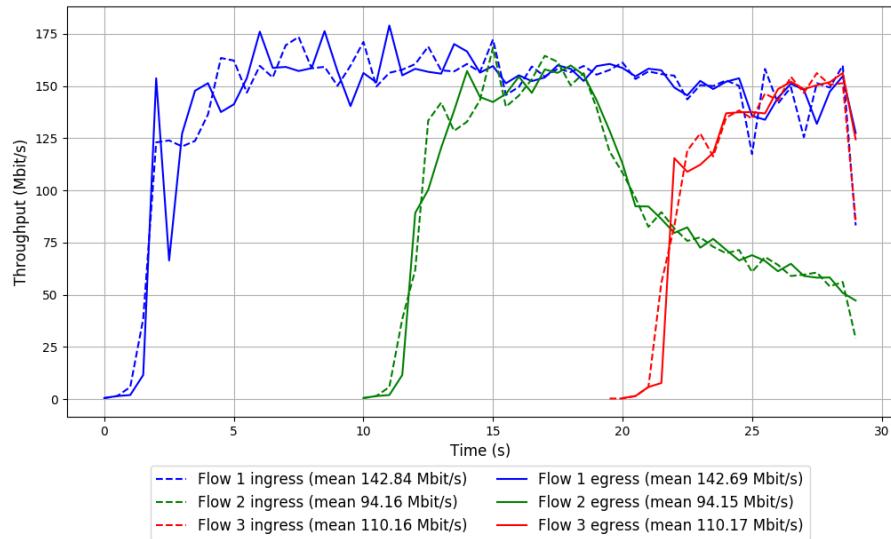
Run 4: Statistics of Indigo

Start at: 2017-12-01 11:55:38

End at: 2017-12-01 11:56:08

```
# Below is generated by plot.py at 2017-12-01 14:44:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 239.63 Mbit/s
95th percentile per-packet one-way delay: 136.752 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 142.69 Mbit/s
95th percentile per-packet one-way delay: 136.710 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 136.831 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 110.17 Mbit/s
95th percentile per-packet one-way delay: 136.740 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link



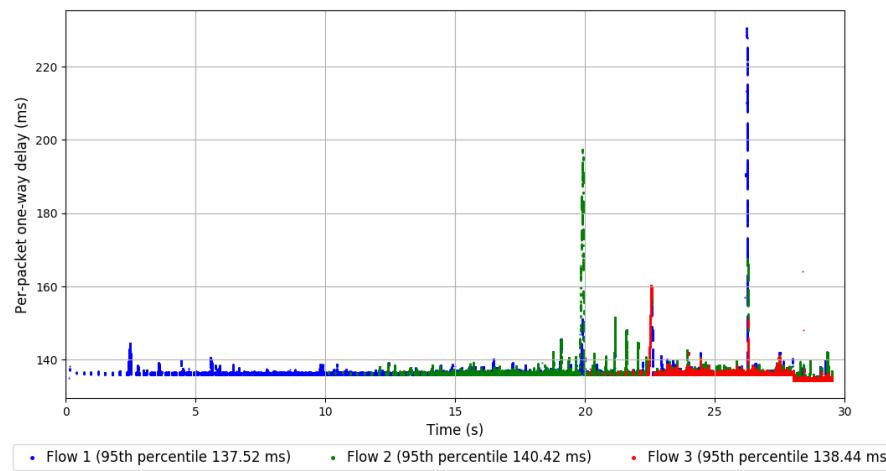
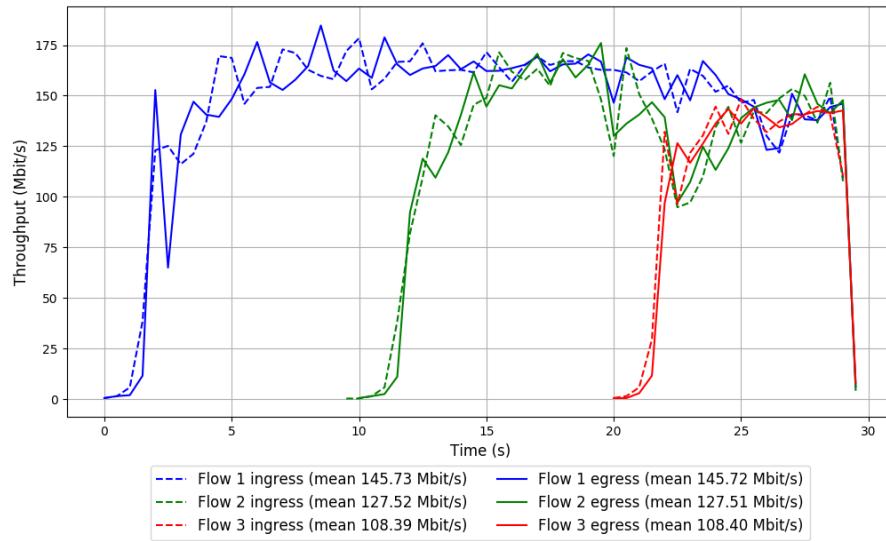
Run 5: Statistics of Indigo

Start at: 2017-12-01 12:09:45

End at: 2017-12-01 12:10:15

```
# Below is generated by plot.py at 2017-12-01 14:45:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 264.36 Mbit/s
95th percentile per-packet one-way delay: 138.334 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 145.72 Mbit/s
95th percentile per-packet one-way delay: 137.521 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 127.51 Mbit/s
95th percentile per-packet one-way delay: 140.419 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 108.40 Mbit/s
95th percentile per-packet one-way delay: 138.443 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link



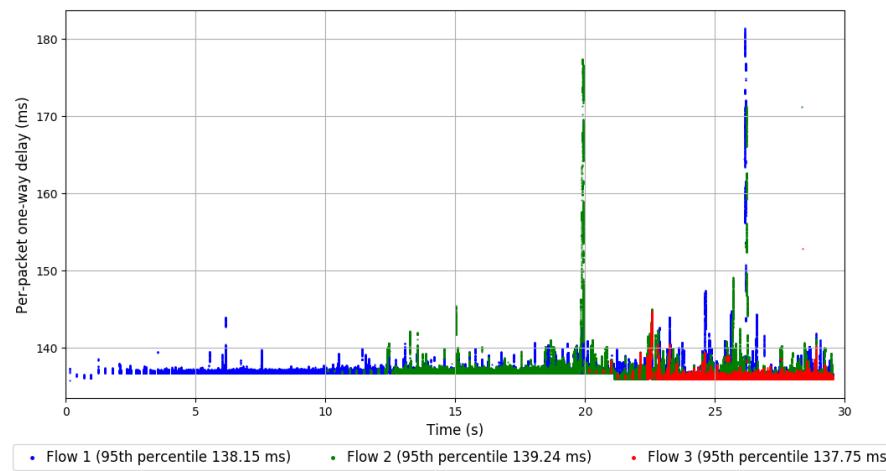
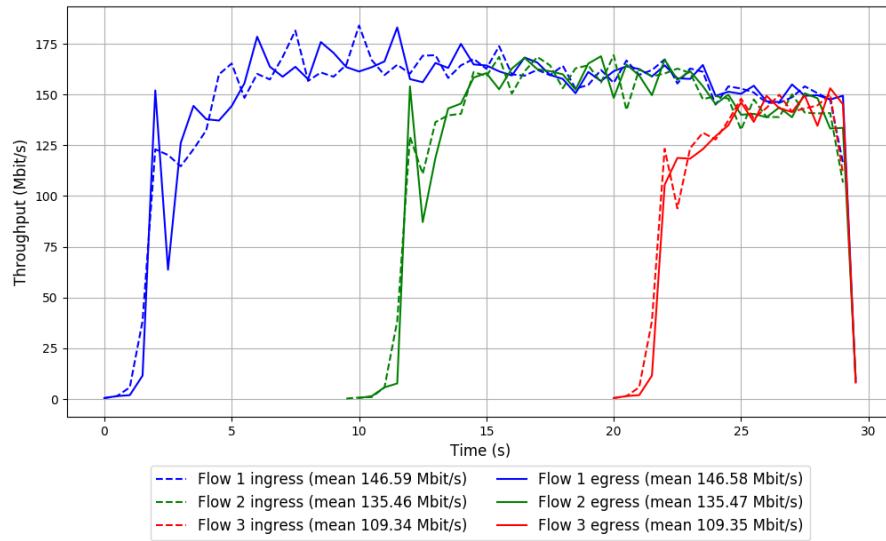
Run 6: Statistics of Indigo

Start at: 2017-12-01 12:23:42

End at: 2017-12-01 12:24:12

```
# Below is generated by plot.py at 2017-12-01 14:45:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 271.14 Mbit/s
95th percentile per-packet one-way delay: 138.452 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 146.58 Mbit/s
95th percentile per-packet one-way delay: 138.145 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 135.47 Mbit/s
95th percentile per-packet one-way delay: 139.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.35 Mbit/s
95th percentile per-packet one-way delay: 137.748 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link



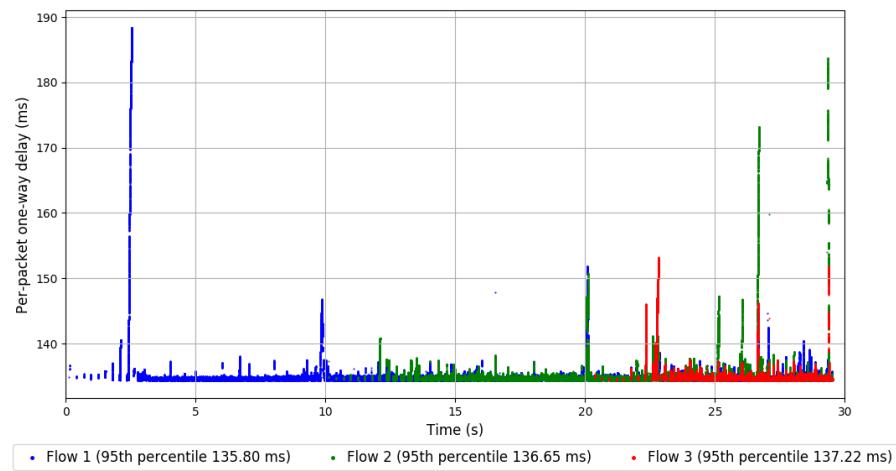
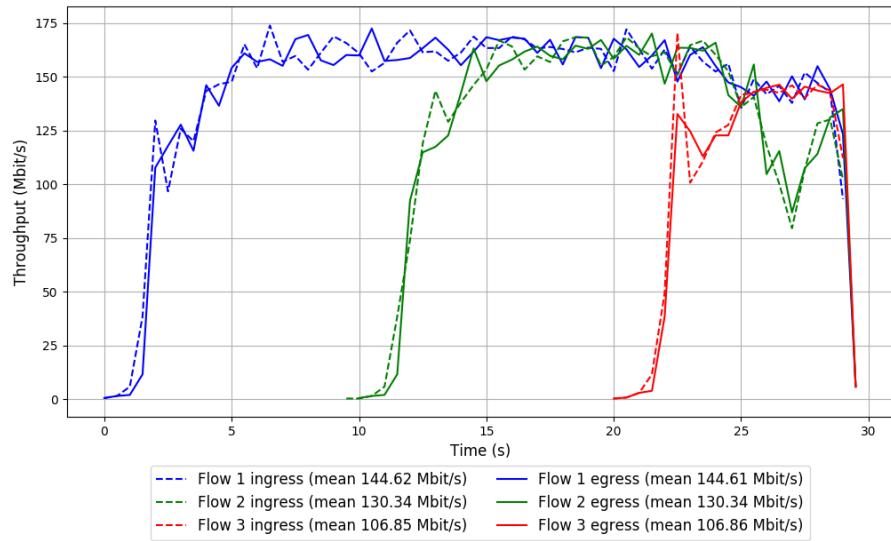
Run 7: Statistics of Indigo

Start at: 2017-12-01 12:37:14

End at: 2017-12-01 12:37:44

```
# Below is generated by plot.py at 2017-12-01 14:45:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 263.88 Mbit/s
95th percentile per-packet one-way delay: 136.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 144.61 Mbit/s
95th percentile per-packet one-way delay: 135.799 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 130.34 Mbit/s
95th percentile per-packet one-way delay: 136.649 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 106.86 Mbit/s
95th percentile per-packet one-way delay: 137.218 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link



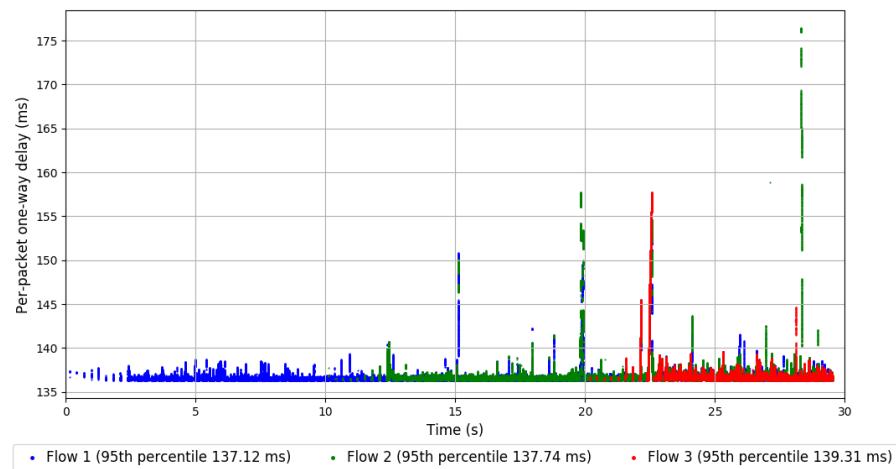
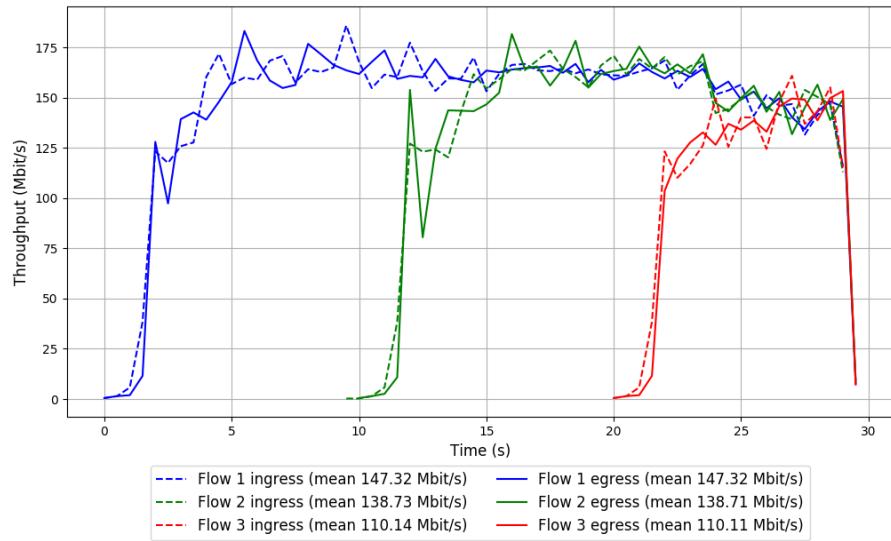
Run 8: Statistics of Indigo

Start at: 2017-12-01 12:51:05

End at: 2017-12-01 12:51:35

```
# Below is generated by plot.py at 2017-12-01 14:46:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 274.02 Mbit/s
95th percentile per-packet one-way delay: 137.480 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 147.32 Mbit/s
95th percentile per-packet one-way delay: 137.125 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 138.71 Mbit/s
95th percentile per-packet one-way delay: 137.743 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 110.11 Mbit/s
95th percentile per-packet one-way delay: 139.309 ms
Loss rate: 0.03%
```

Run 8: Report of Indigo — Data Link



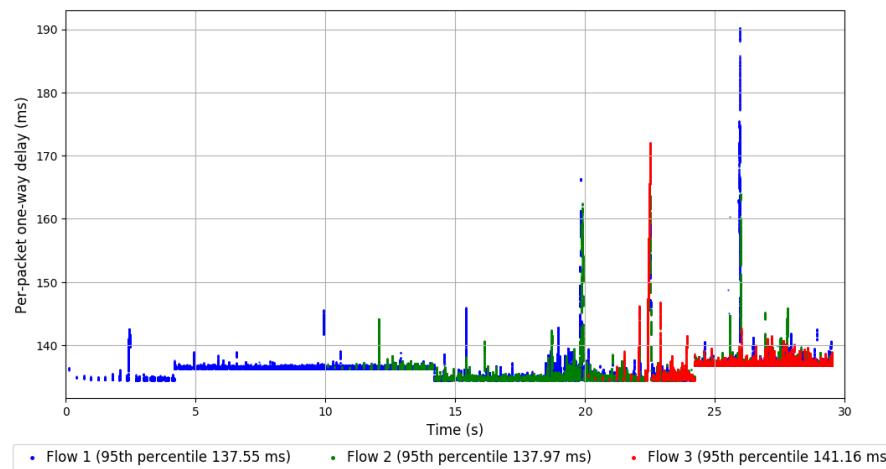
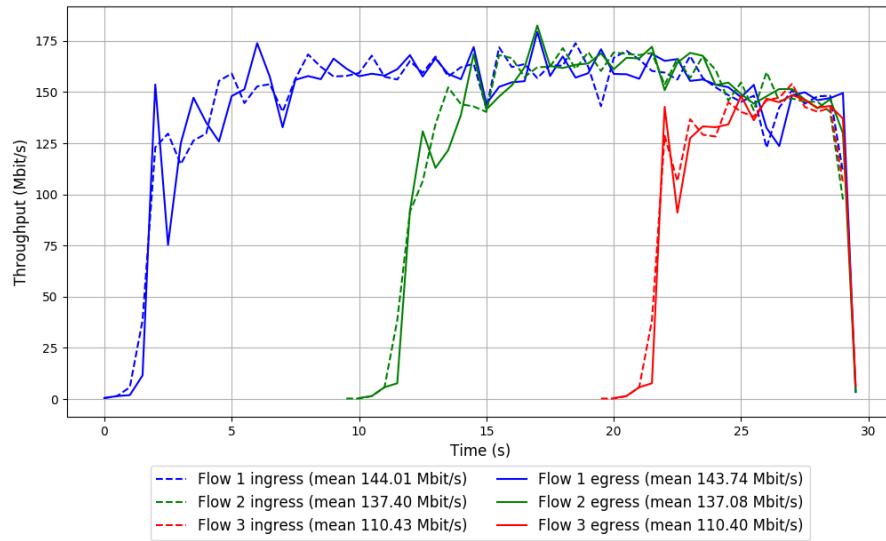
Run 9: Statistics of Indigo

Start at: 2017-12-01 13:05:29

End at: 2017-12-01 13:05:59

```
# Below is generated by plot.py at 2017-12-01 14:48:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.75 Mbit/s
95th percentile per-packet one-way delay: 138.080 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 143.74 Mbit/s
95th percentile per-packet one-way delay: 137.546 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 137.08 Mbit/s
95th percentile per-packet one-way delay: 137.966 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 110.40 Mbit/s
95th percentile per-packet one-way delay: 141.157 ms
Loss rate: 0.01%
```

Run 9: Report of Indigo — Data Link



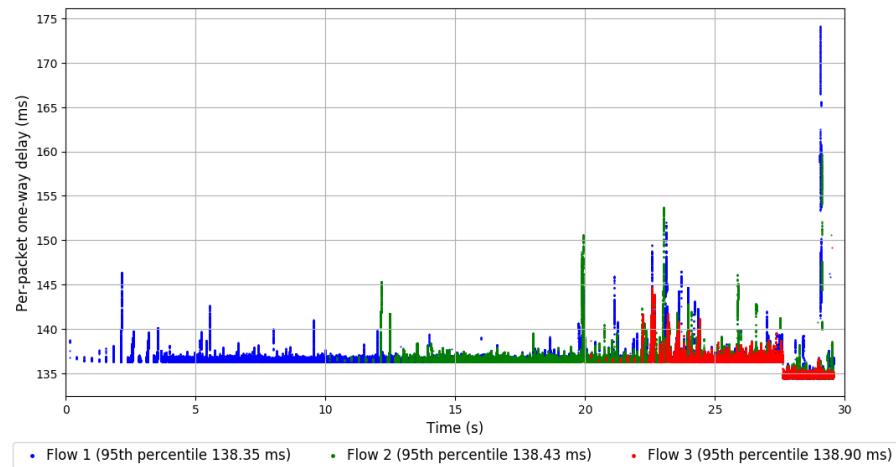
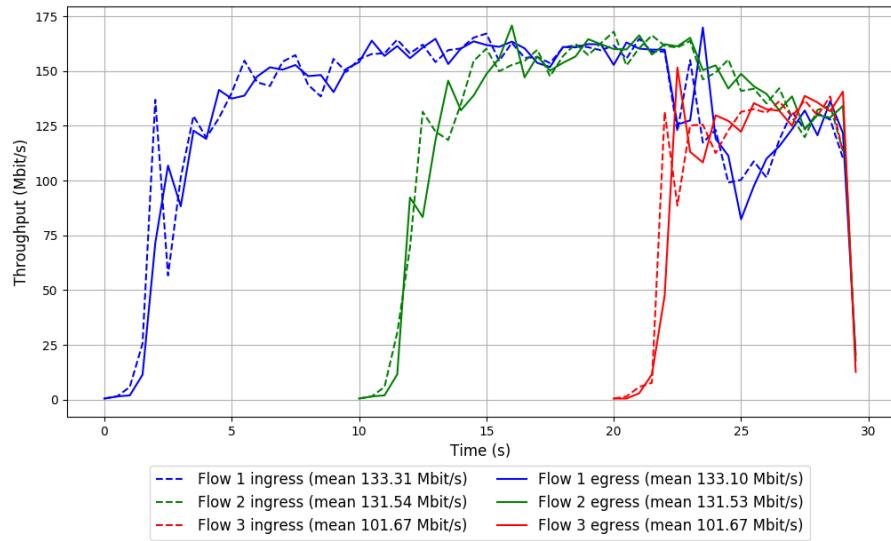
Run 10: Statistics of Indigo

Start at: 2017-12-01 13:19:06

End at: 2017-12-01 13:19:36

```
# Below is generated by plot.py at 2017-12-01 14:48:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 252.12 Mbit/s
95th percentile per-packet one-way delay: 138.473 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 133.10 Mbit/s
95th percentile per-packet one-way delay: 138.349 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 131.53 Mbit/s
95th percentile per-packet one-way delay: 138.432 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 101.67 Mbit/s
95th percentile per-packet one-way delay: 138.902 ms
Loss rate: 0.03%
```

Run 10: Report of Indigo — Data Link

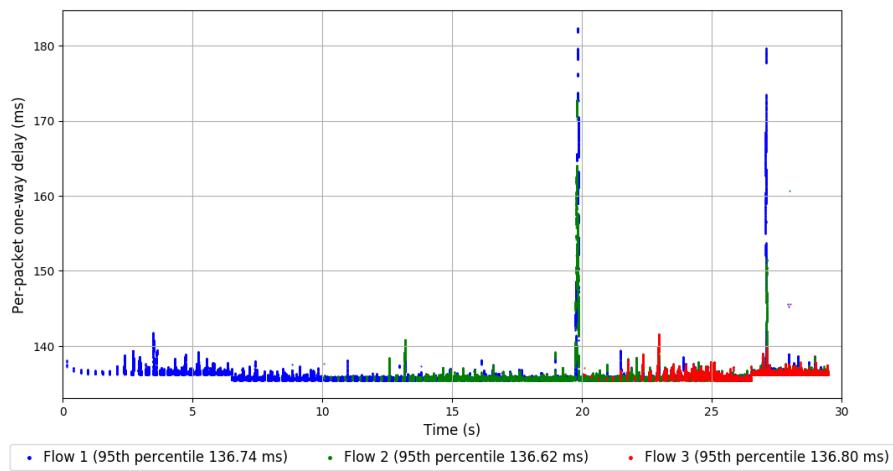
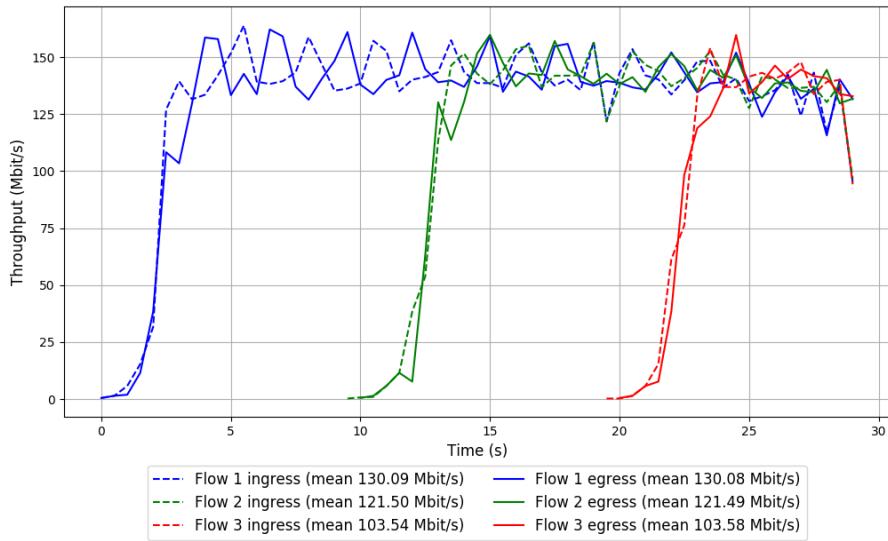


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-01 11:12:57
End at: 2017-12-01 11:13:27

# Below is generated by plot.py at 2017-12-01 14:48:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 243.68 Mbit/s
95th percentile per-packet one-way delay: 136.717 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 130.08 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 121.49 Mbit/s
95th percentile per-packet one-way delay: 136.625 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.58 Mbit/s
95th percentile per-packet one-way delay: 136.798 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-calib — Data Link



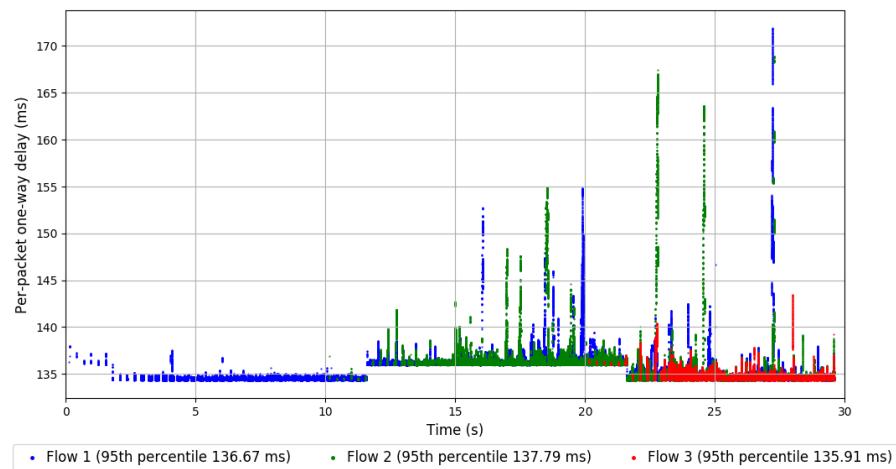
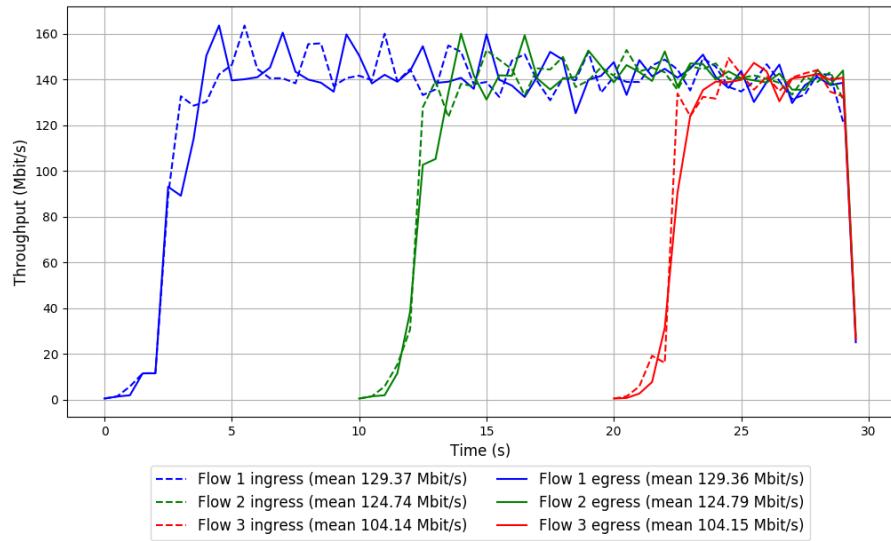
Run 2: Statistics of Indigo-calib

Start at: 2017-12-01 11:26:52

End at: 2017-12-01 11:27:22

```
# Below is generated by plot.py at 2017-12-01 14:48:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 245.00 Mbit/s
95th percentile per-packet one-way delay: 136.905 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 129.36 Mbit/s
95th percentile per-packet one-way delay: 136.673 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 124.79 Mbit/s
95th percentile per-packet one-way delay: 137.790 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 104.15 Mbit/s
95th percentile per-packet one-way delay: 135.913 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-calib — Data Link



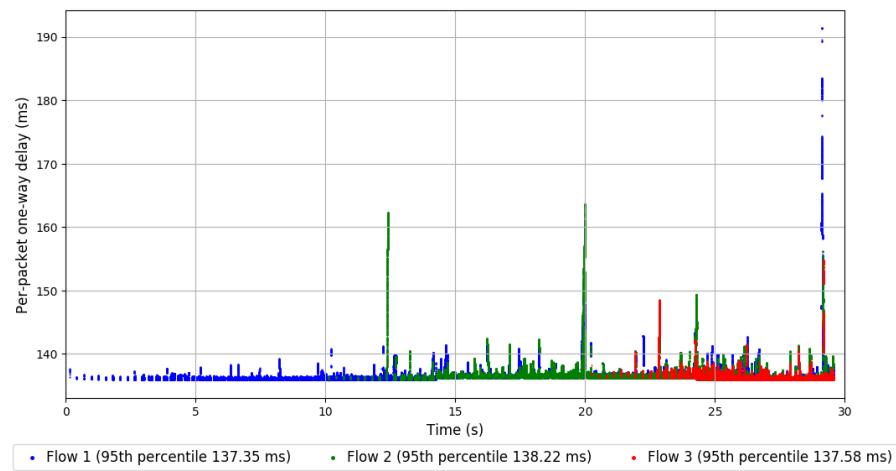
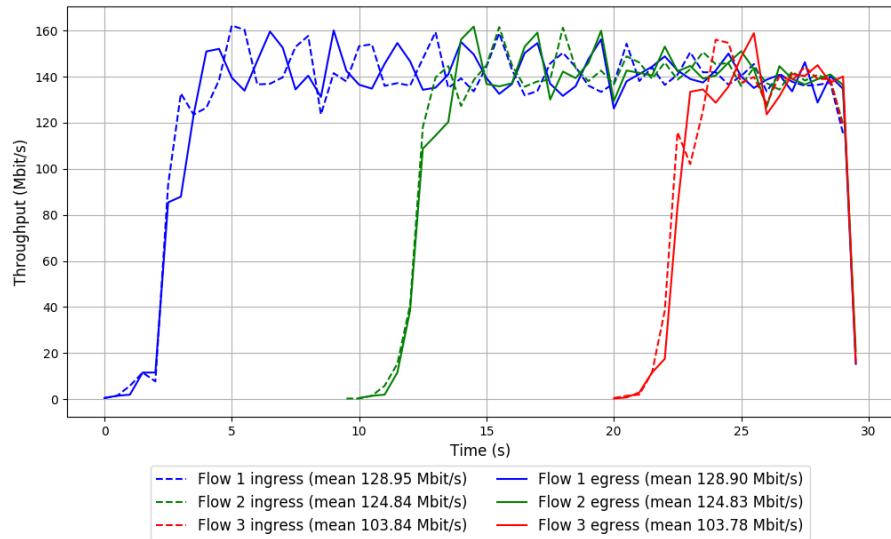
Run 3: Statistics of Indigo-calib

Start at: 2017-12-01 11:40:19

End at: 2017-12-01 11:40:49

```
# Below is generated by plot.py at 2017-12-01 14:49:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 244.16 Mbit/s
95th percentile per-packet one-way delay: 137.678 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 128.90 Mbit/s
95th percentile per-packet one-way delay: 137.350 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 124.83 Mbit/s
95th percentile per-packet one-way delay: 138.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.78 Mbit/s
95th percentile per-packet one-way delay: 137.584 ms
Loss rate: 0.06%
```

Run 3: Report of Indigo-calib — Data Link



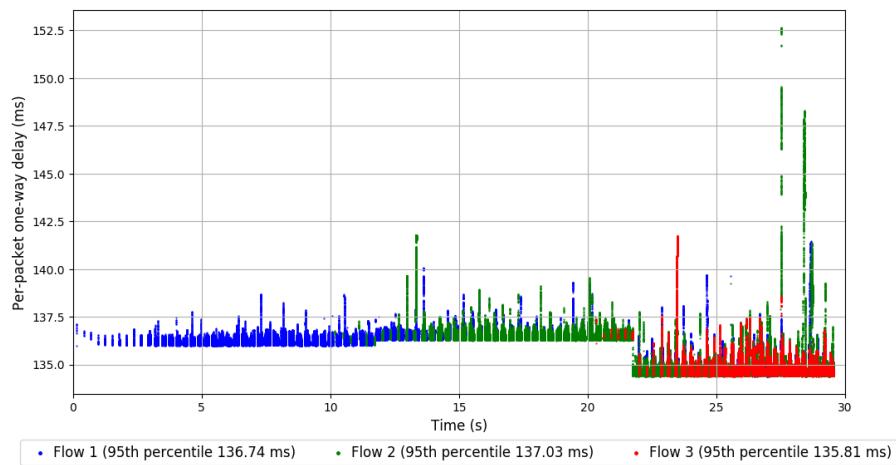
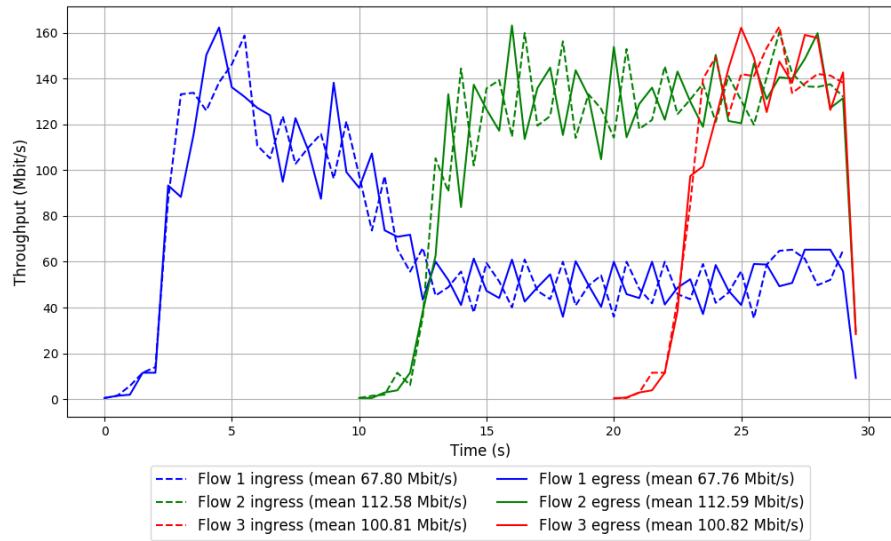
Run 4: Statistics of Indigo-calib

Start at: 2017-12-01 11:54:32

End at: 2017-12-01 11:55:02

```
# Below is generated by plot.py at 2017-12-01 14:49:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 173.46 Mbit/s
95th percentile per-packet one-way delay: 136.798 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.76 Mbit/s
95th percentile per-packet one-way delay: 136.741 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 112.59 Mbit/s
95th percentile per-packet one-way delay: 137.030 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.82 Mbit/s
95th percentile per-packet one-way delay: 135.805 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-calib — Data Link



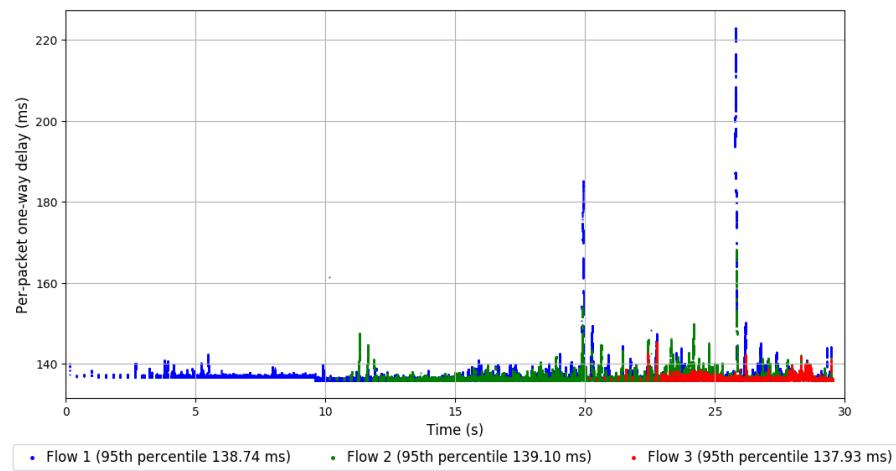
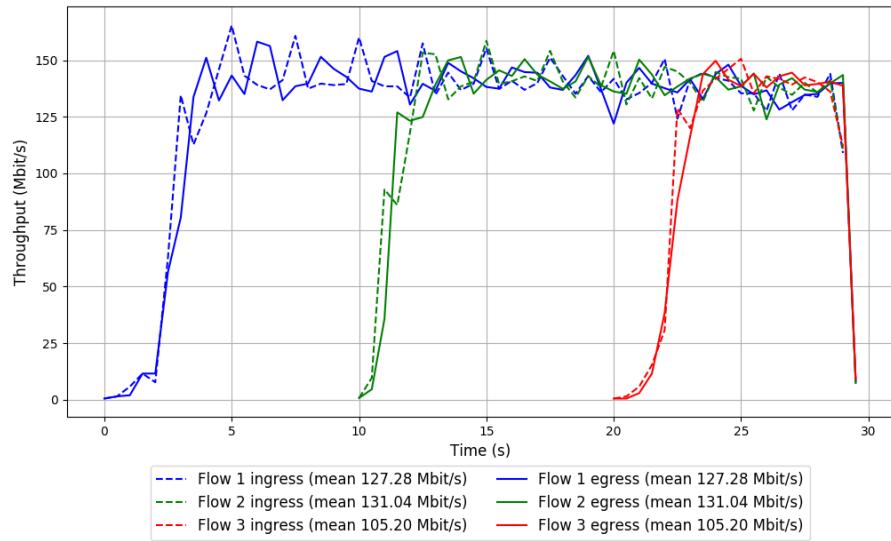
Run 5: Statistics of Indigo-calib

Start at: 2017-12-01 12:08:34

End at: 2017-12-01 12:09:04

```
# Below is generated by plot.py at 2017-12-01 14:49:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 247.19 Mbit/s
95th percentile per-packet one-way delay: 138.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.28 Mbit/s
95th percentile per-packet one-way delay: 138.744 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 131.04 Mbit/s
95th percentile per-packet one-way delay: 139.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.20 Mbit/s
95th percentile per-packet one-way delay: 137.926 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-calib — Data Link

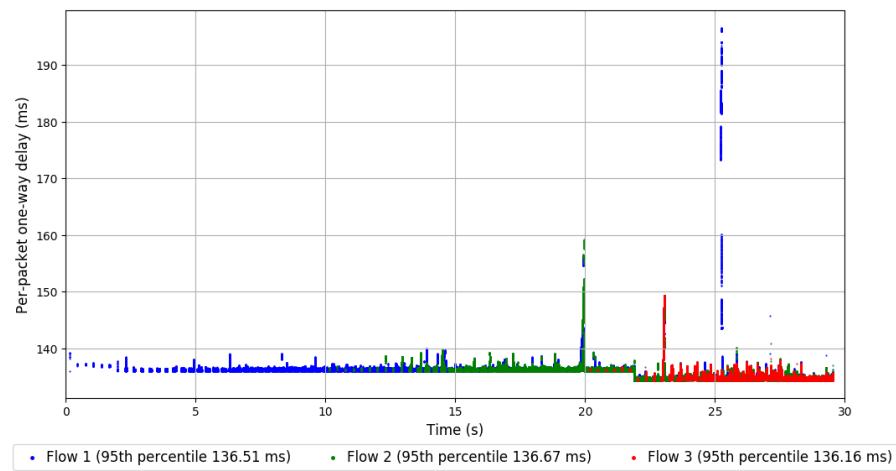
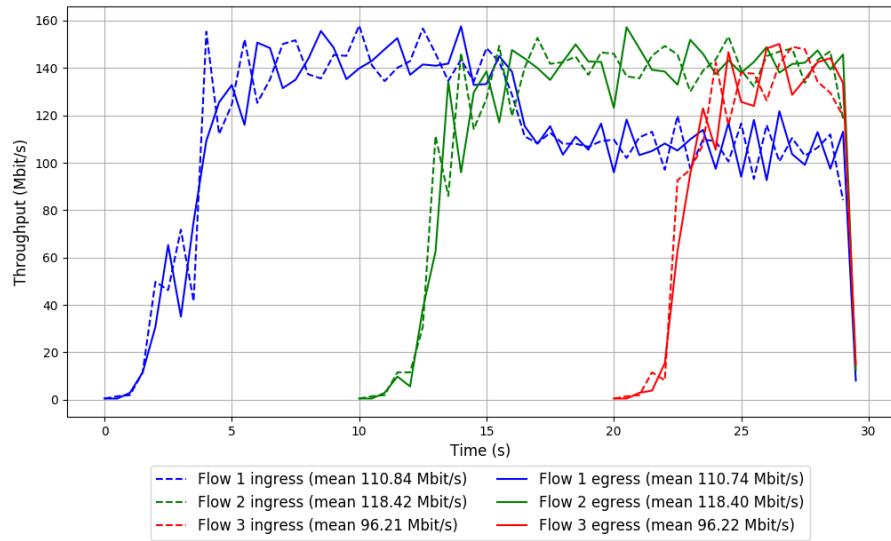


```
Run 6: Statistics of Indigo-calib

Start at: 2017-12-01 12:22:31
End at: 2017-12-01 12:23:01

# Below is generated by plot.py at 2017-12-01 14:50:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 219.47 Mbit/s
95th percentile per-packet one-way delay: 136.545 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 110.74 Mbit/s
95th percentile per-packet one-way delay: 136.513 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 118.40 Mbit/s
95th percentile per-packet one-way delay: 136.670 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 136.164 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-calib — Data Link



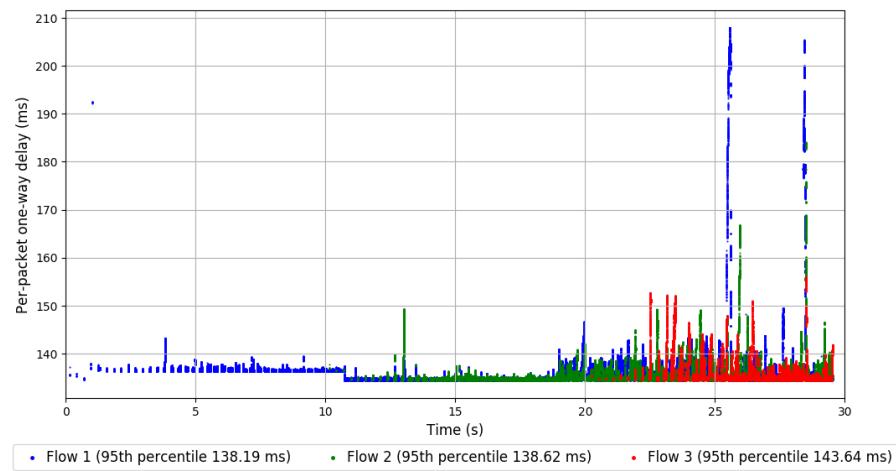
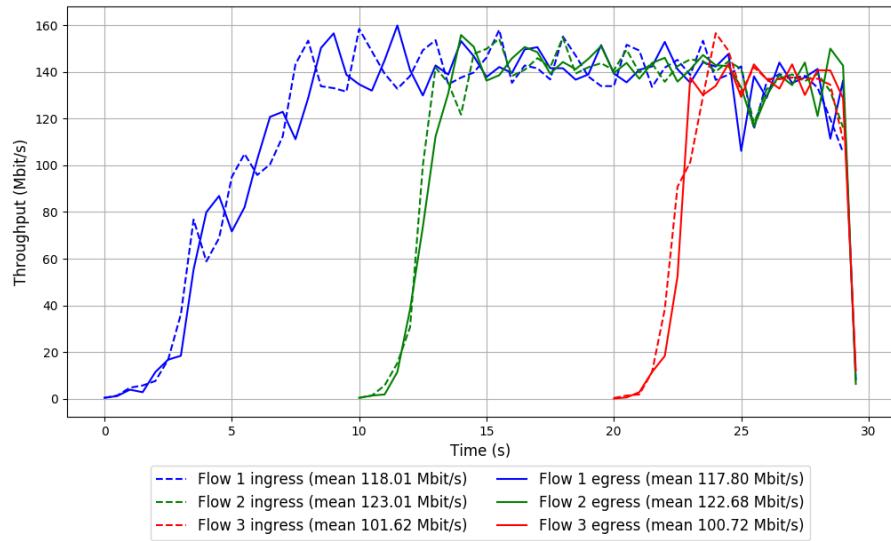
Run 7: Statistics of Indigo-calib

Start at: 2017-12-01 12:36:03

End at: 2017-12-01 12:36:33

```
# Below is generated by plot.py at 2017-12-01 14:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.45 Mbit/s
95th percentile per-packet one-way delay: 139.315 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 117.80 Mbit/s
95th percentile per-packet one-way delay: 138.189 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 122.68 Mbit/s
95th percentile per-packet one-way delay: 138.619 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 100.72 Mbit/s
95th percentile per-packet one-way delay: 143.636 ms
Loss rate: 0.84%
```

Run 7: Report of Indigo-calib — Data Link



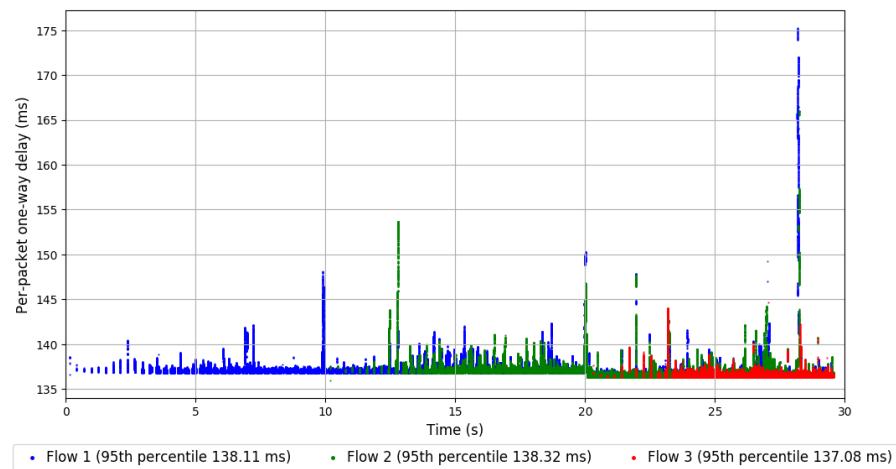
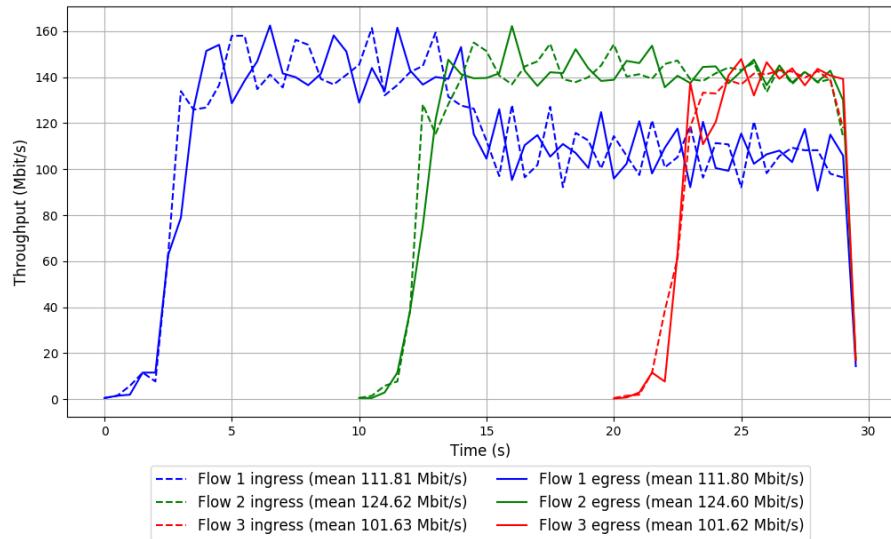
Run 8: Statistics of Indigo-calib

Start at: 2017-12-01 12:49:53

End at: 2017-12-01 12:50:23

```
# Below is generated by plot.py at 2017-12-01 14:50:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 225.78 Mbit/s
95th percentile per-packet one-way delay: 138.067 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 111.80 Mbit/s
95th percentile per-packet one-way delay: 138.108 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 124.60 Mbit/s
95th percentile per-packet one-way delay: 138.325 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 101.62 Mbit/s
95th percentile per-packet one-way delay: 137.082 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo-calib — Data Link



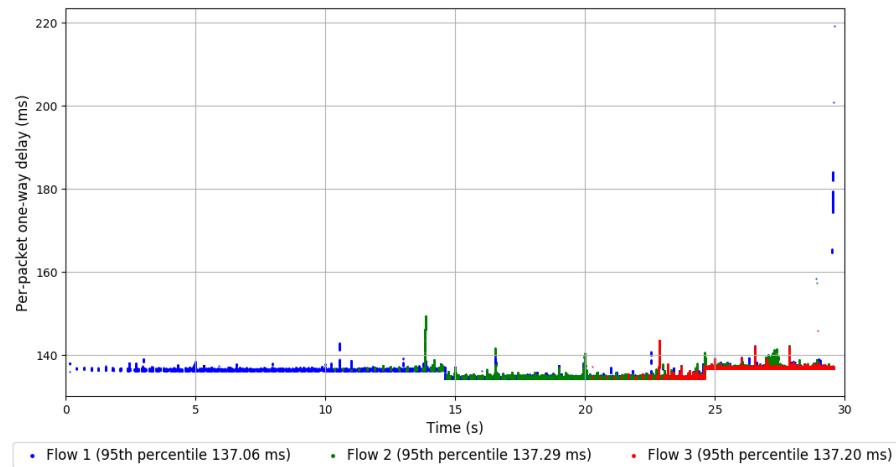
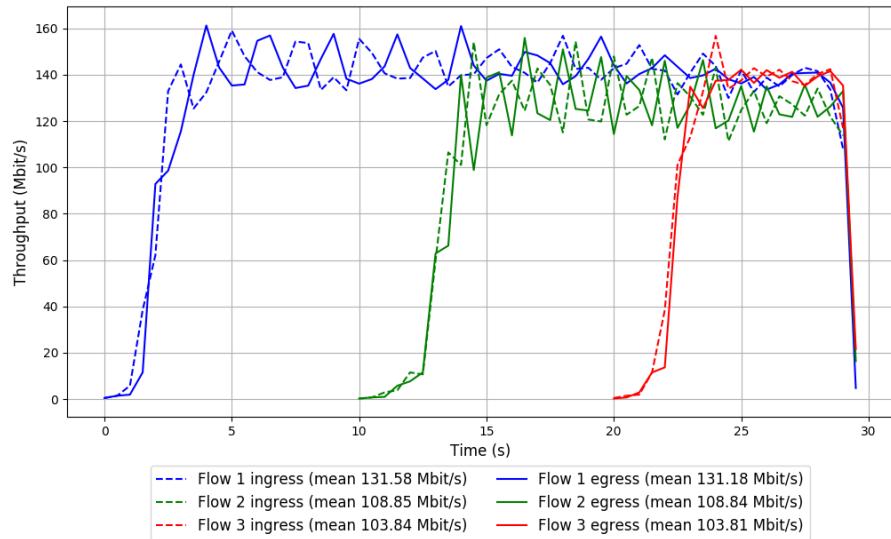
Run 9: Statistics of Indigo-calib

Start at: 2017-12-01 13:04:19

End at: 2017-12-01 13:04:49

```
# Below is generated by plot.py at 2017-12-01 14:50:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.84 Mbit/s
95th percentile per-packet one-way delay: 137.142 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 131.18 Mbit/s
95th percentile per-packet one-way delay: 137.059 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 108.84 Mbit/s
95th percentile per-packet one-way delay: 137.286 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.81 Mbit/s
95th percentile per-packet one-way delay: 137.198 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 13:17:53

End at: 2017-12-01 13:18:23

```
# Below is generated by plot.py at 2017-12-01 14:51:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 238.01 Mbit/s
95th percentile per-packet one-way delay: 138.125 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 128.72 Mbit/s
95th percentile per-packet one-way delay: 137.999 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 118.48 Mbit/s
95th percentile per-packet one-way delay: 138.402 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 97.63 Mbit/s
95th percentile per-packet one-way delay: 137.964 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-calib — Data Link

