

Pantheon Report

Generated at 2017-09-22 06:53:34 (UTC).

Data path: GCE London Ethernet (*local*) → GCE Tokyo 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.

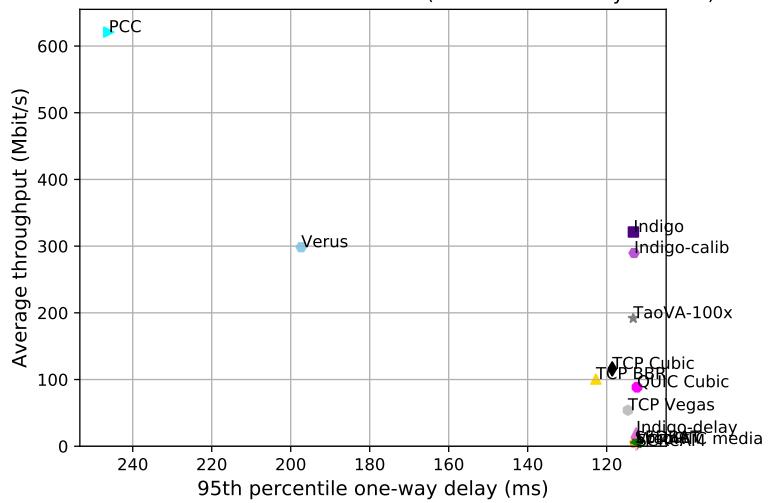
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

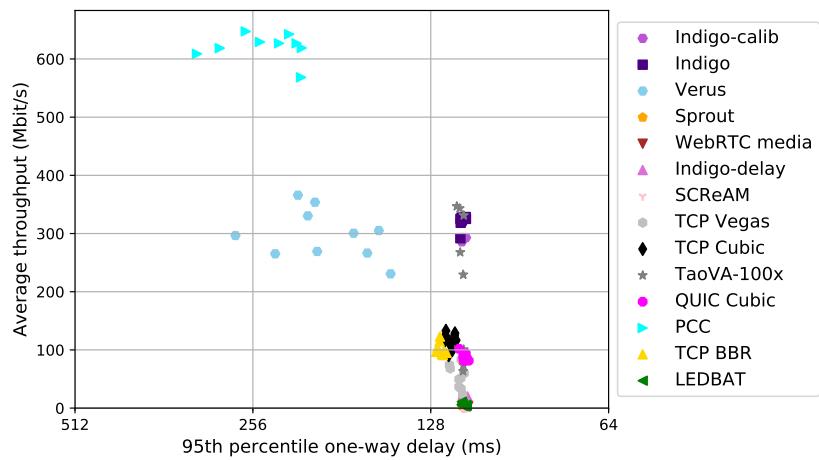
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
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 @ 57caa40858b964906edff4876d5a7e5bffff666c5
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from GCE London Ethernet to GCE Tokyo 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 | 49.47 | 52.17 | 50.60 | 122.42 | 123.08 | 122.21 | 0.01 | 0.01 | 0.00 |
| TCP Cubic | 10 | 59.61 | 56.51 | 56.77 | 117.22 | 118.62 | 119.85 | 0.00 | 0.01 | 0.00 |
| LEDBAT | 9 | 2.83 | 3.49 | 1.48 | 112.63 | 112.65 | 112.48 | 0.30 | 0.08 | 0.00 |
| PCC | 9 | 498.72 | 155.19 | 56.00 | 252.48 | 210.49 | 210.59 | 3.42 | 2.22 | 2.64 |
| QUIC Cubic | 10 | 49.17 | 45.25 | 28.94 | 111.08 | 111.28 | 111.65 | 0.00 | 0.00 | 0.00 |
| SCReAM | 10 | 0.21 | 0.21 | 0.19 | 111.40 | 112.00 | 111.94 | 0.00 | 0.00 | 0.00 |
| WebRTC media | 10 | 1.68 | 1.30 | 0.40 | 111.84 | 111.13 | 112.19 | 0.02 | 0.00 | 0.01 |
| Sprout | 10 | 2.59 | 2.34 | 1.88 | 112.89 | 112.92 | 112.66 | 0.34 | 0.13 | 0.20 |
| TaoVA-100x | 10 | 112.49 | 70.82 | 120.08 | 113.53 | 113.65 | 112.54 | 0.00 | 0.00 | 0.09 |
| TCP Vegas | 10 | 20.68 | 37.29 | 25.62 | 113.63 | 115.34 | 114.06 | 0.03 | 0.00 | 0.03 |
| Verus | 10 | 180.54 | 146.15 | 69.77 | 190.55 | 188.52 | 168.44 | 0.85 | 1.66 | 0.67 |
| Indigo | 10 | 168.95 | 160.17 | 144.06 | 112.92 | 113.60 | 113.83 | 0.01 | 0.00 | 0.01 |
| Indigo-calib | 7 | 152.33 | 146.00 | 127.00 | 112.86 | 113.18 | 113.39 | 0.00 | 0.00 | 0.01 |
| Indigo-delay | 9 | 9.03 | 10.58 | 12.91 | 112.63 | 112.52 | 112.66 | 0.00 | 0.00 | 0.00 |

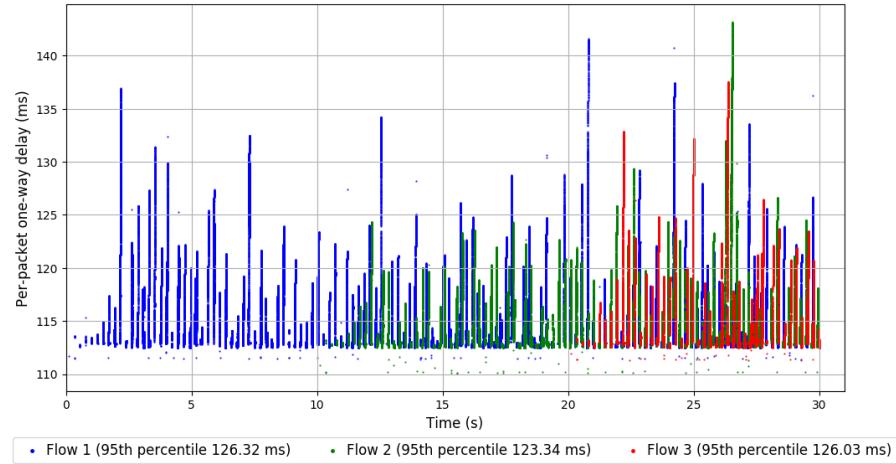
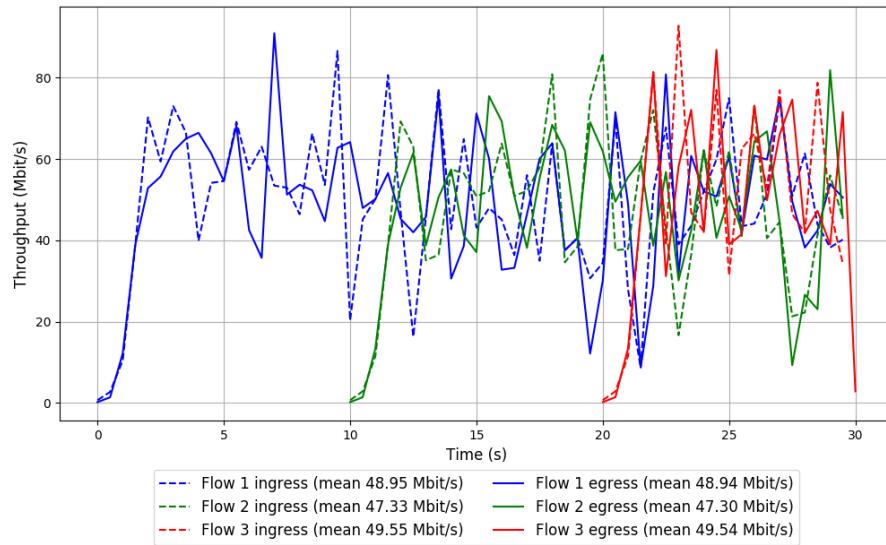
Run 1: Statistics of TCP BBR

Start at: 2017-09-22 03:11:04

End at: 2017-09-22 03:11:34

```
# Below is generated by plot.py at 2017-09-22 06:11:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 125.294 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 126.319 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 123.336 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 126.027 ms
Loss rate: 0.00%
```

Run 1: Report of TCP BBR — Data Link



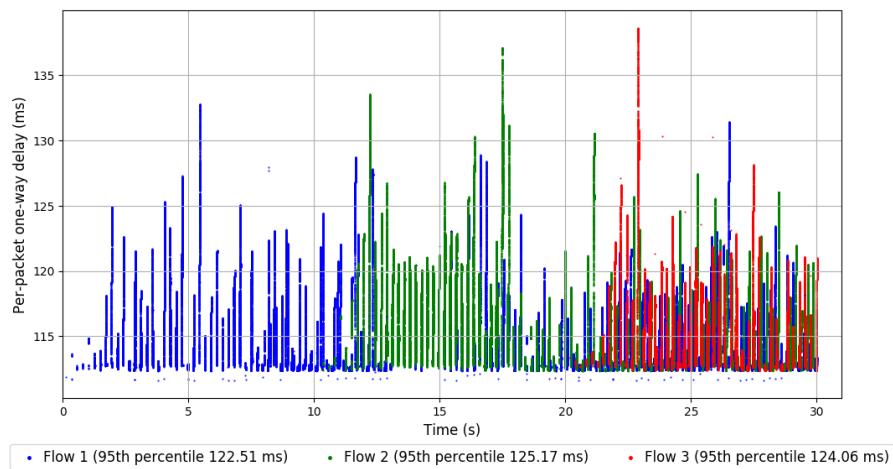
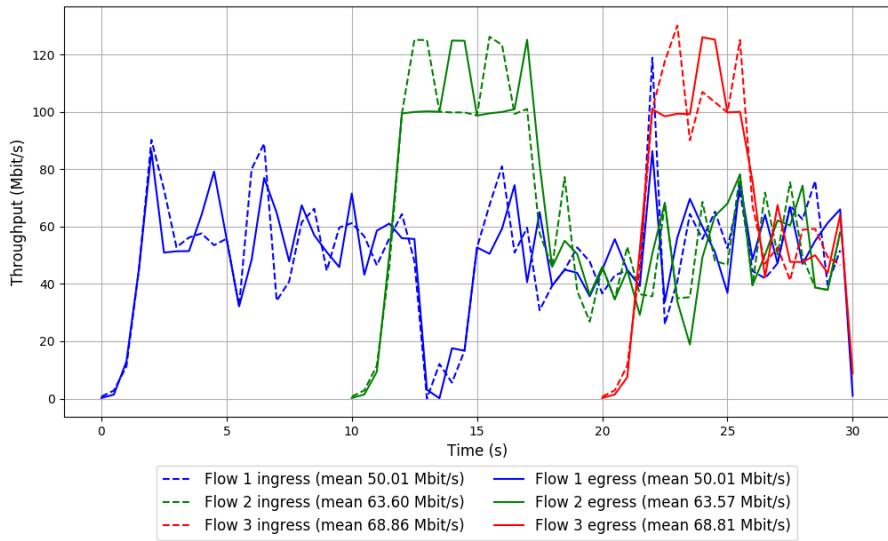
Run 2: Statistics of TCP BBR

Start at: 2017-09-22 03:24:24

End at: 2017-09-22 03:24:54

```
# Below is generated by plot.py at 2017-09-22 06:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 114.67 Mbit/s
95th percentile per-packet one-way delay: 123.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 122.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 125.173 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 124.064 ms
Loss rate: 0.00%
```

Run 2: Report of TCP BBR — Data Link



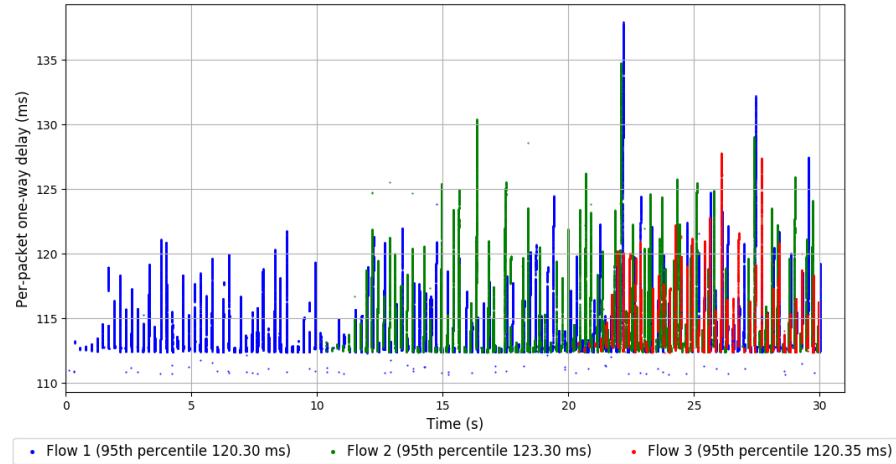
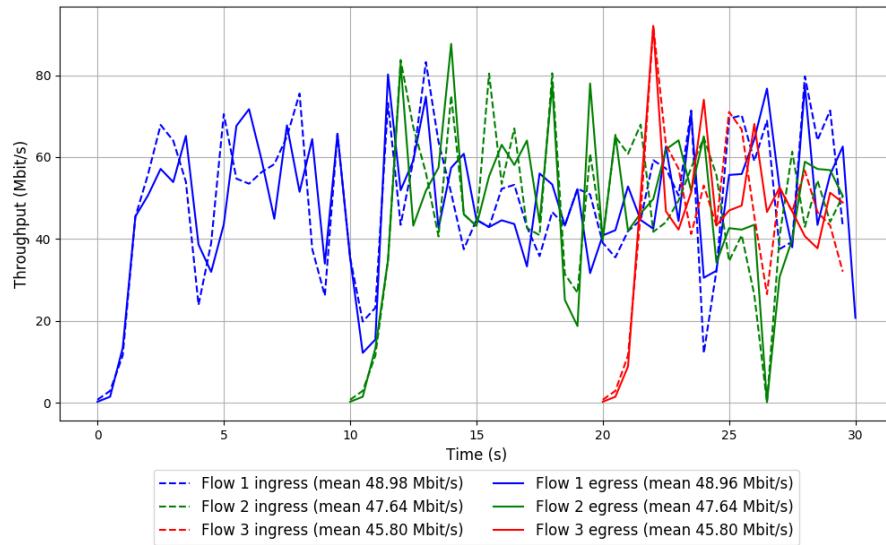
Run 3: Statistics of TCP BBR

Start at: 2017-09-22 03:38:12

End at: 2017-09-22 03:38:42

```
# Below is generated by plot.py at 2017-09-22 06:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 121.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 120.300 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 123.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 120.347 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link



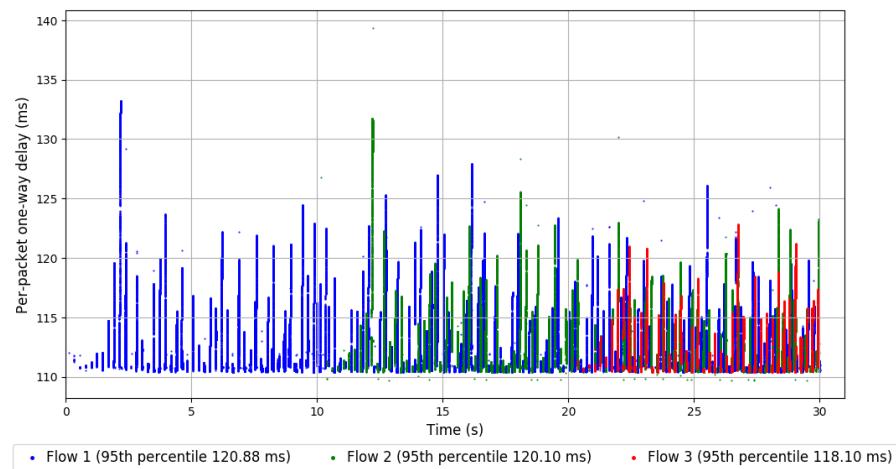
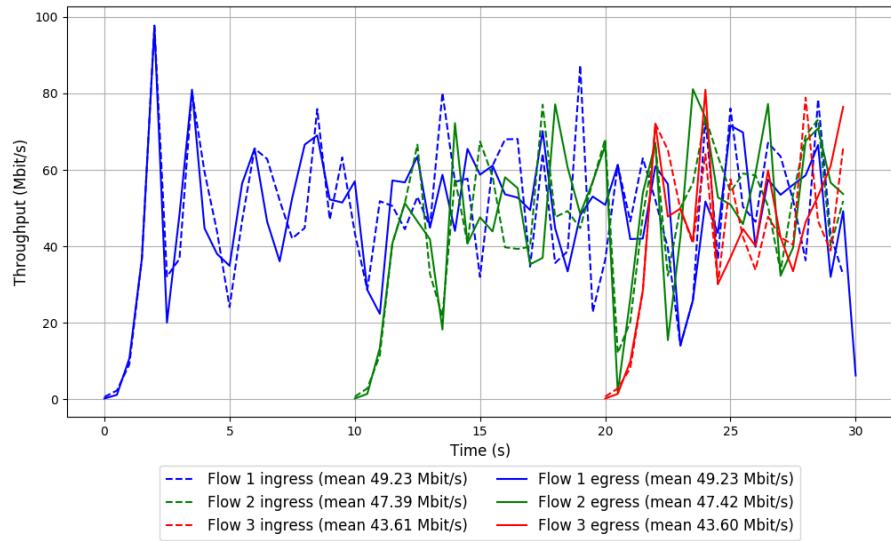
Run 4: Statistics of TCP BBR

Start at: 2017-09-22 03:51:33

End at: 2017-09-22 03:52:03

```
# Below is generated by plot.py at 2017-09-22 06:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 120.318 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 120.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 120.100 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.60 Mbit/s
95th percentile per-packet one-way delay: 118.101 ms
Loss rate: 0.02%
```

Run 4: Report of TCP BBR — Data Link



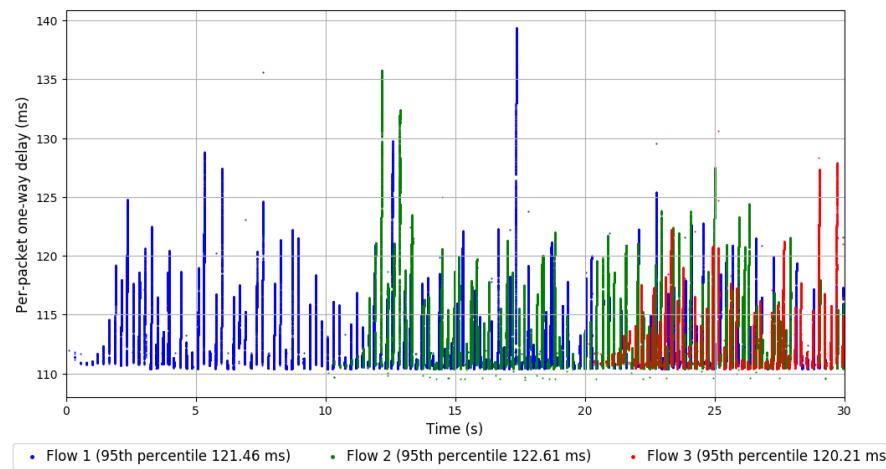
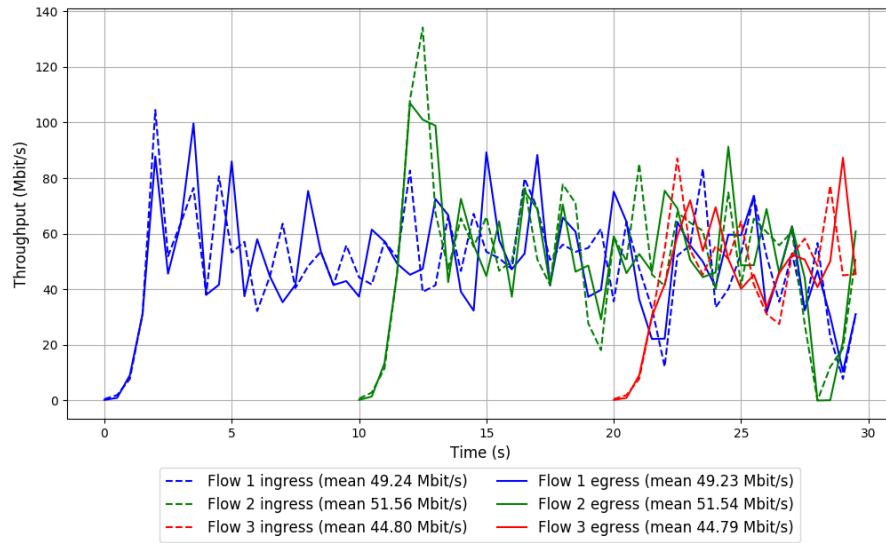
Run 5: Statistics of TCP BBR

Start at: 2017-09-22 04:04:58

End at: 2017-09-22 04:05:28

```
# Below is generated by plot.py at 2017-09-22 06:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 98.17 Mbit/s
95th percentile per-packet one-way delay: 121.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 121.463 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.54 Mbit/s
95th percentile per-packet one-way delay: 122.608 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 120.213 ms
Loss rate: 0.00%
```

Run 5: Report of TCP BBR — Data Link



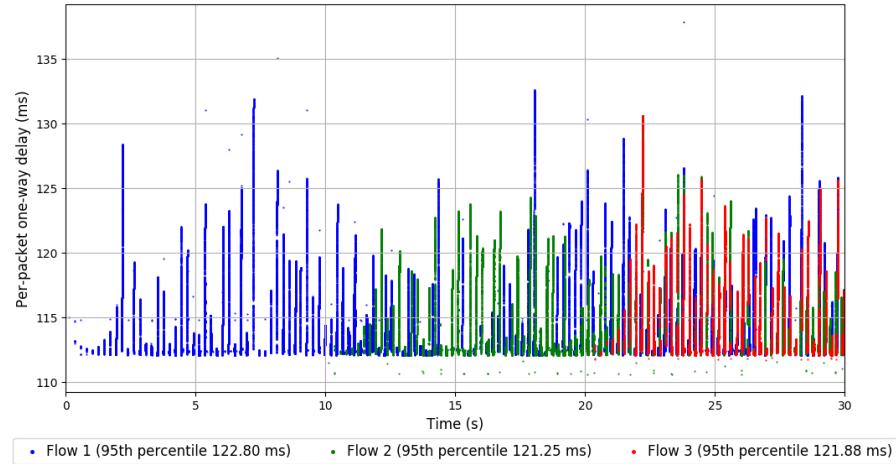
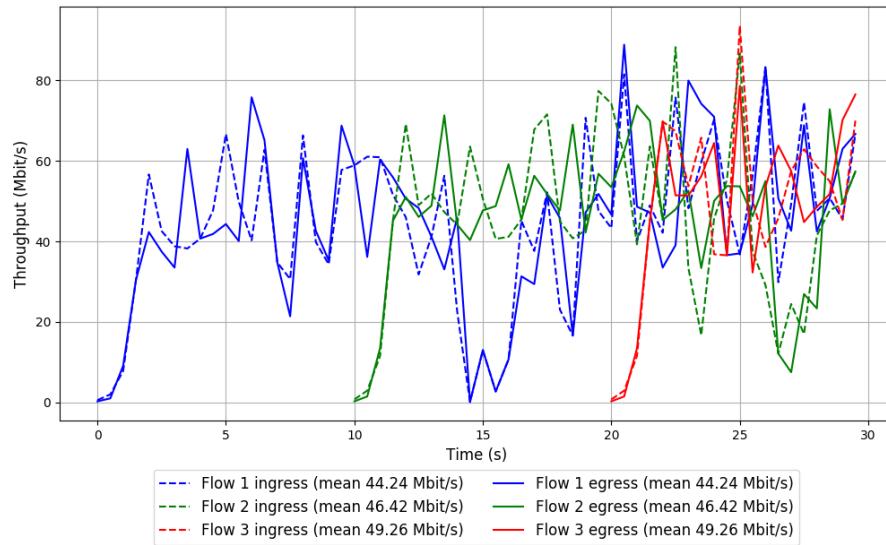
Run 6: Statistics of TCP BBR

Start at: 2017-09-22 04:18:51

End at: 2017-09-22 04:19:21

```
# Below is generated by plot.py at 2017-09-22 06:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 122.089 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 44.24 Mbit/s
95th percentile per-packet one-way delay: 122.800 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 121.252 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 121.882 ms
Loss rate: 0.00%
```

Run 6: Report of TCP BBR — Data Link



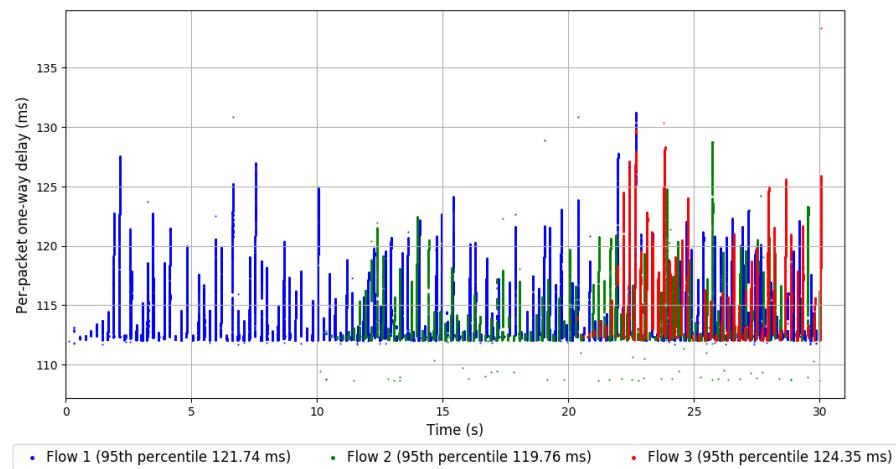
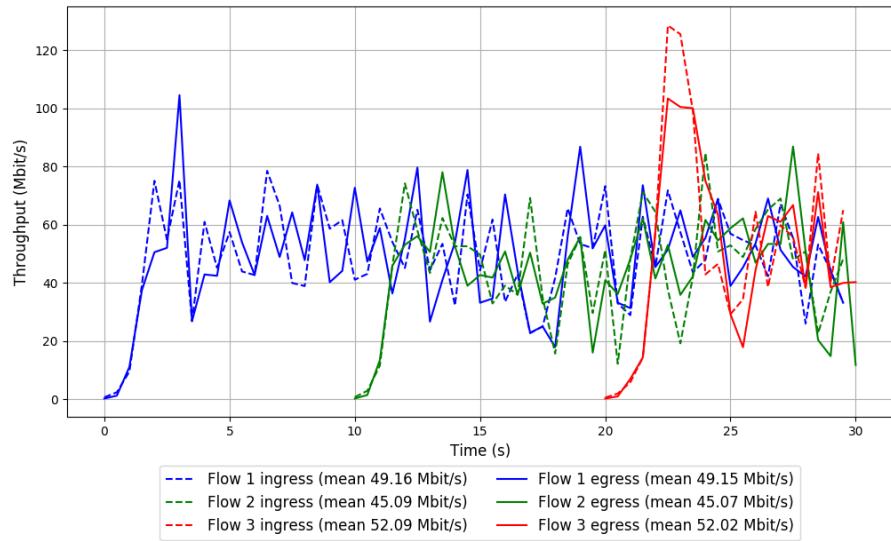
Run 7: Statistics of TCP BBR

Start at: 2017-09-22 04:32:38

End at: 2017-09-22 04:33:08

```
# Below is generated by plot.py at 2017-09-22 06:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 121.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 121.736 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 119.763 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 124.348 ms
Loss rate: 0.01%
```

Run 7: Report of TCP BBR — Data Link



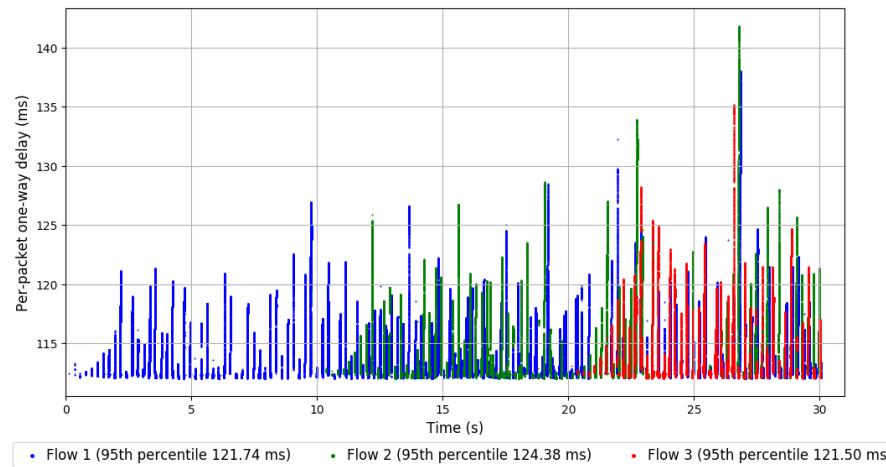
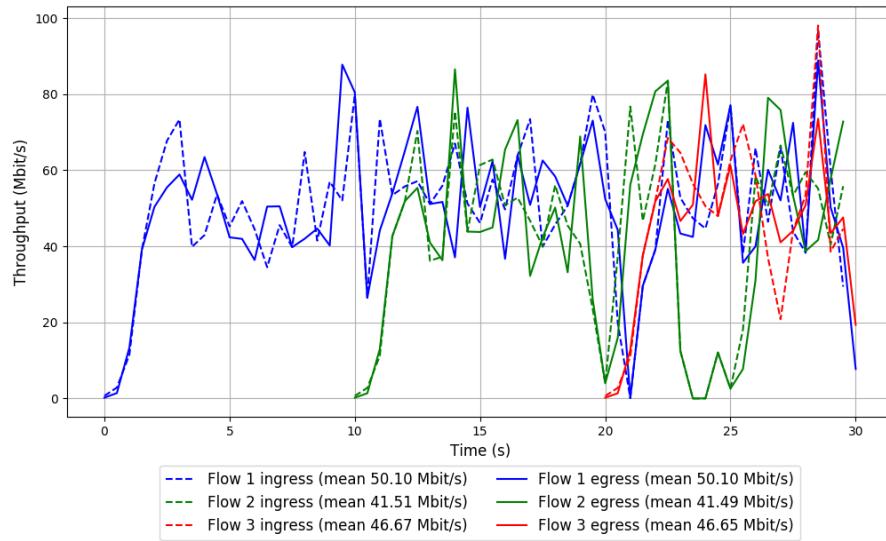
Run 8: Statistics of TCP BBR

Start at: 2017-09-22 04:46:39

End at: 2017-09-22 04:47:09

```
# Below is generated by plot.py at 2017-09-22 06:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 122.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 121.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 124.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 121.503 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link



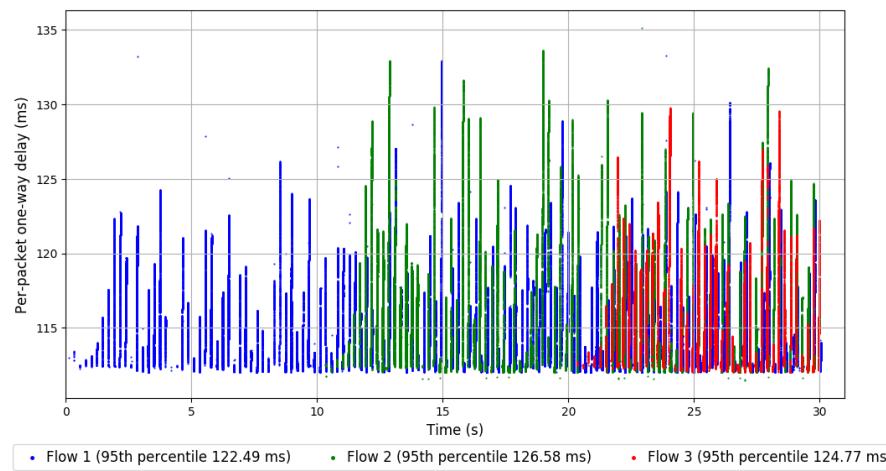
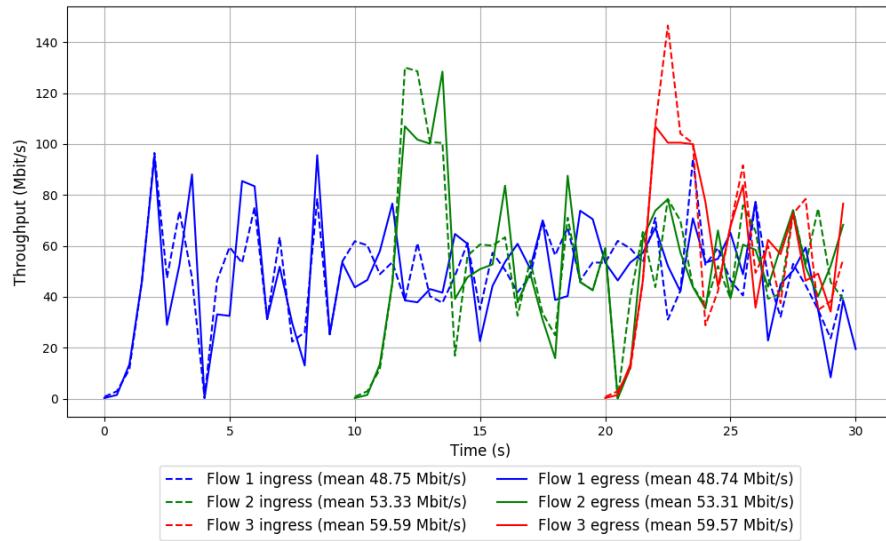
Run 9: Statistics of TCP BBR

Start at: 2017-09-22 04:59:46

End at: 2017-09-22 05:00:16

```
# Below is generated by plot.py at 2017-09-22 06:12:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.75 Mbit/s
95th percentile per-packet one-way delay: 124.712 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 122.491 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 126.575 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 124.772 ms
Loss rate: 0.01%
```

Run 9: Report of TCP BBR — Data Link



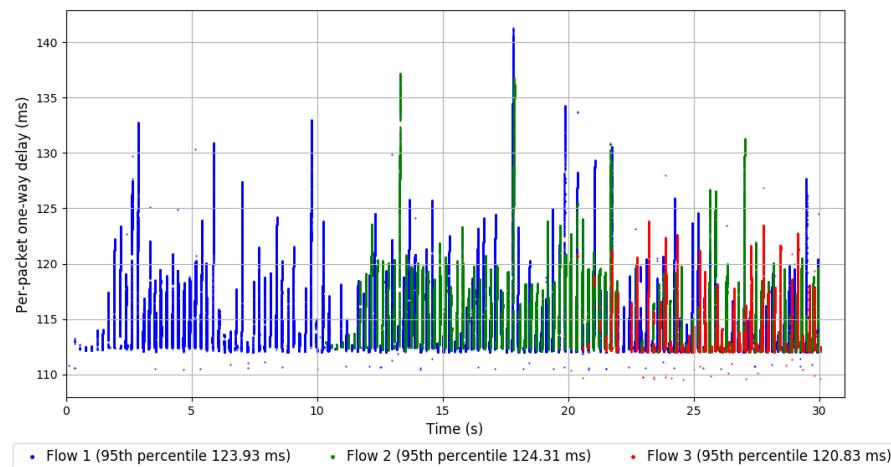
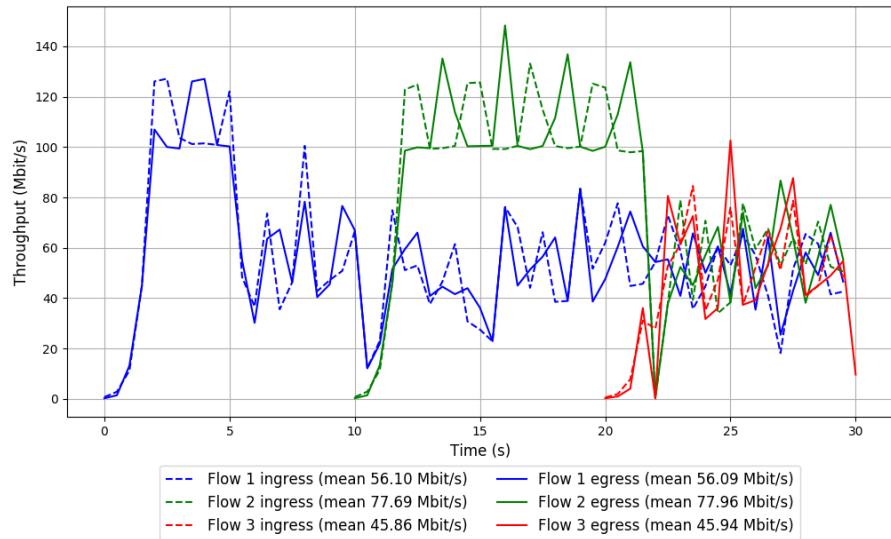
Run 10: Statistics of TCP BBR

Start at: 2017-09-22 05:12:51

End at: 2017-09-22 05:13:21

```
# Below is generated by plot.py at 2017-09-22 06:12:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.92 Mbit/s
95th percentile per-packet one-way delay: 123.523 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 123.929 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 124.313 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 120.835 ms
Loss rate: 0.00%
```

Run 10: Report of TCP BBR — Data Link

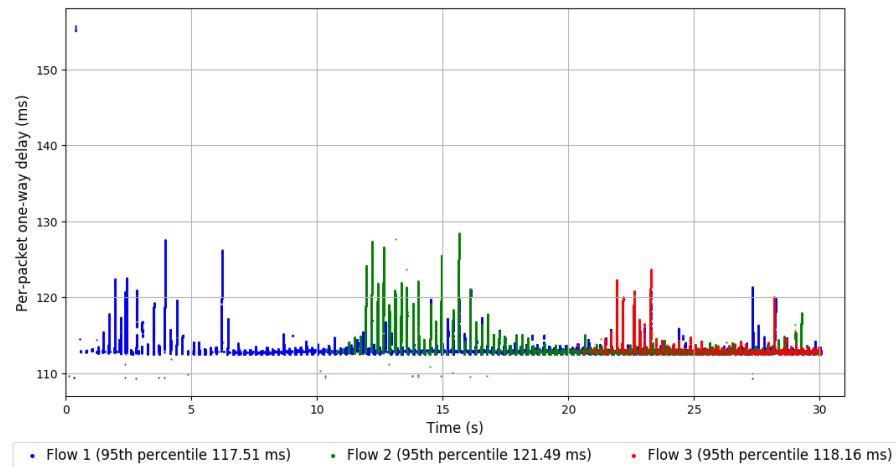
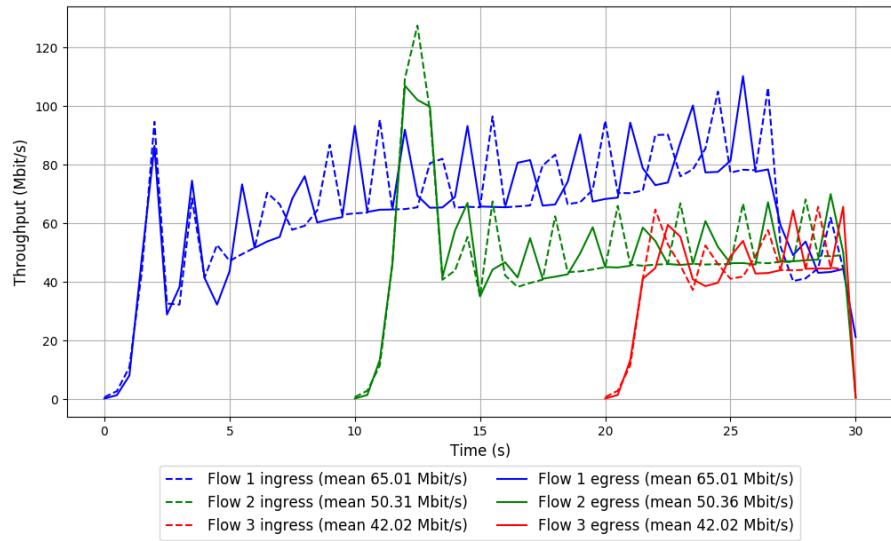


```
Run 1: Statistics of TCP Cubic

Start at: 2017-09-22 03:12:47
End at: 2017-09-22 03:13:17

# Below is generated by plot.py at 2017-09-22 06:12:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.43 Mbit/s
95th percentile per-packet one-way delay: 119.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 117.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 121.489 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 118.161 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Cubic — Data Link



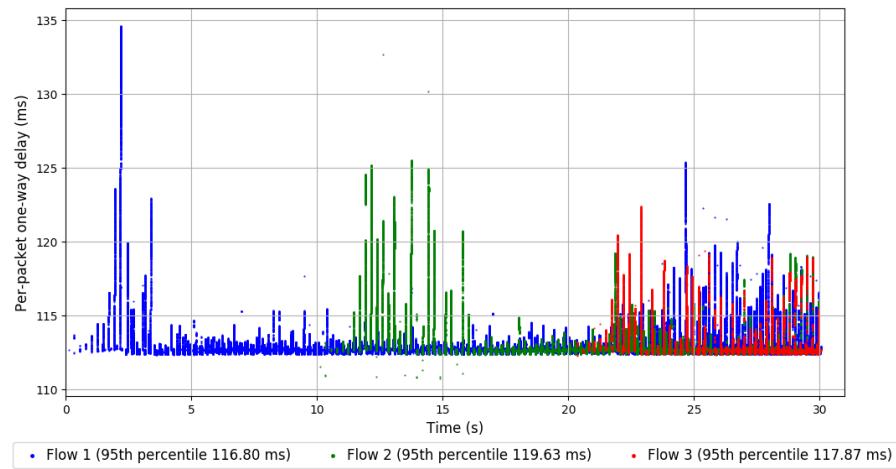
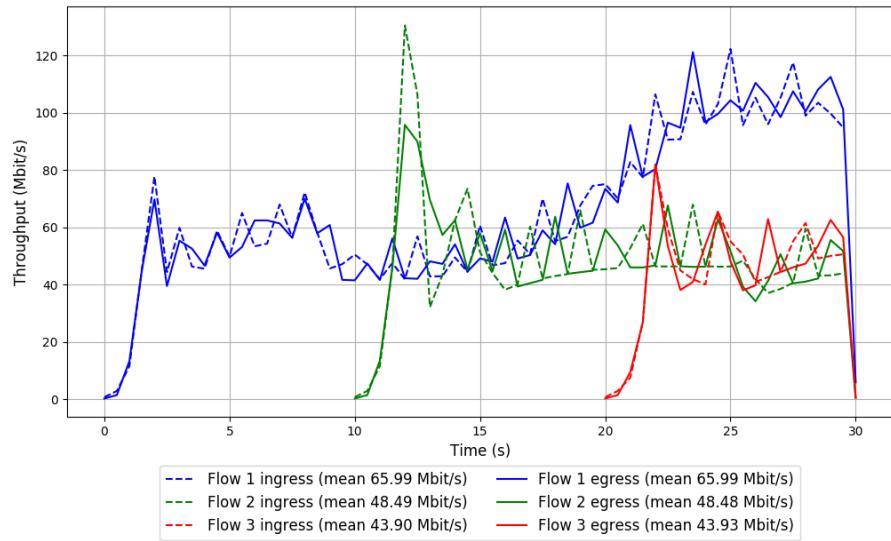
Run 2: Statistics of TCP Cubic

Start at: 2017-09-22 03:26:07

End at: 2017-09-22 03:26:37

```
# Below is generated by plot.py at 2017-09-22 06:12:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 112.78 Mbit/s
95th percentile per-packet one-way delay: 118.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 116.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 119.628 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 117.866 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Cubic — Data Link



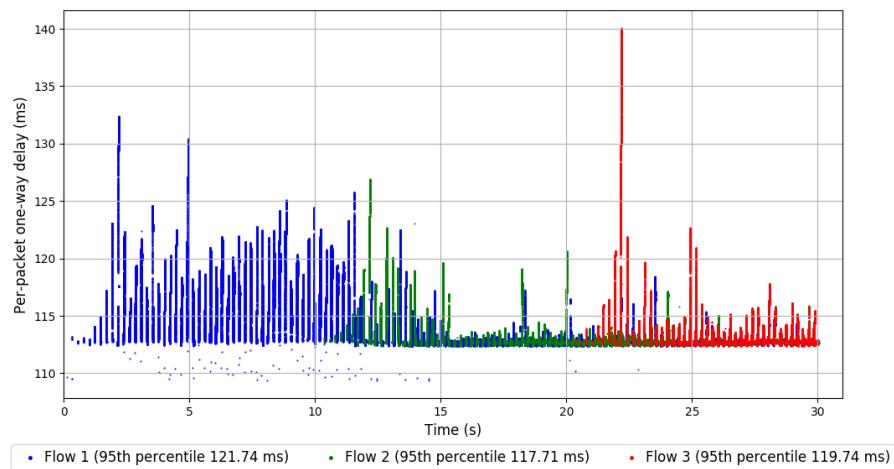
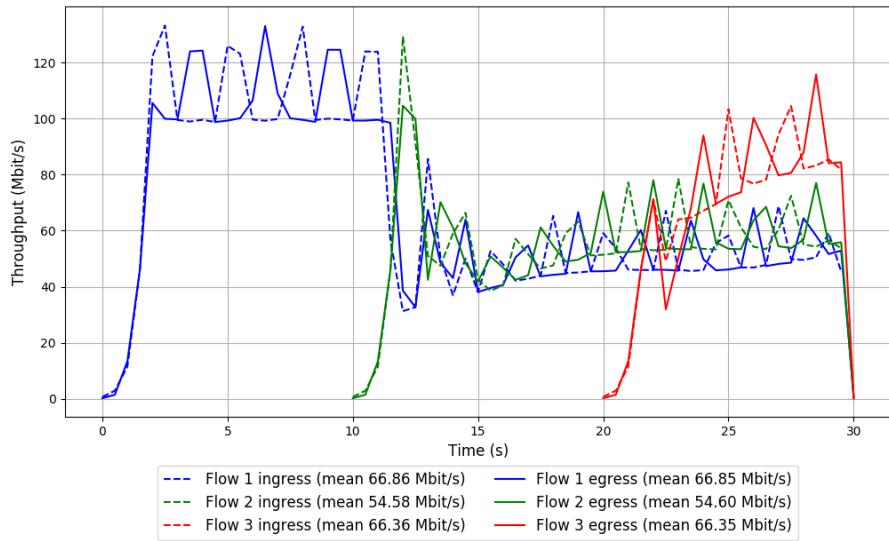
```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2017-09-22 03:39:53
```

```
End at: 2017-09-22 03:40:23
```

```
# Below is generated by plot.py at 2017-09-22 06:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.12 Mbit/s
95th percentile per-packet one-way delay: 120.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 121.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 117.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.35 Mbit/s
95th percentile per-packet one-way delay: 119.740 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Cubic — Data Link



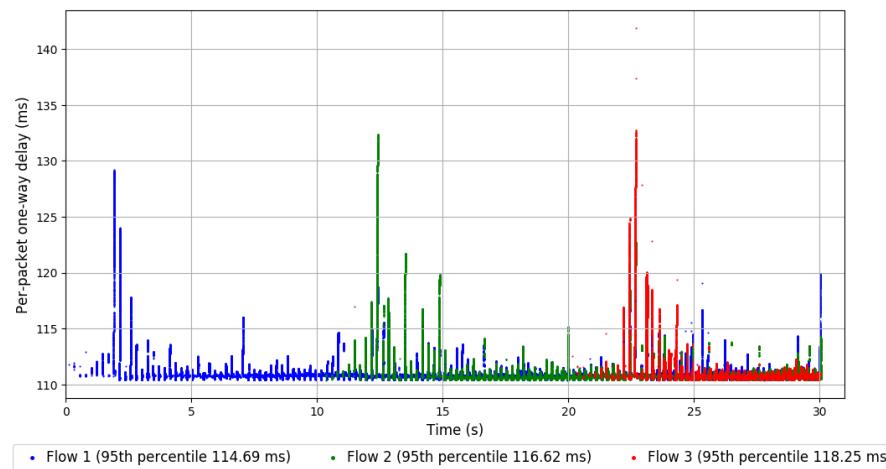
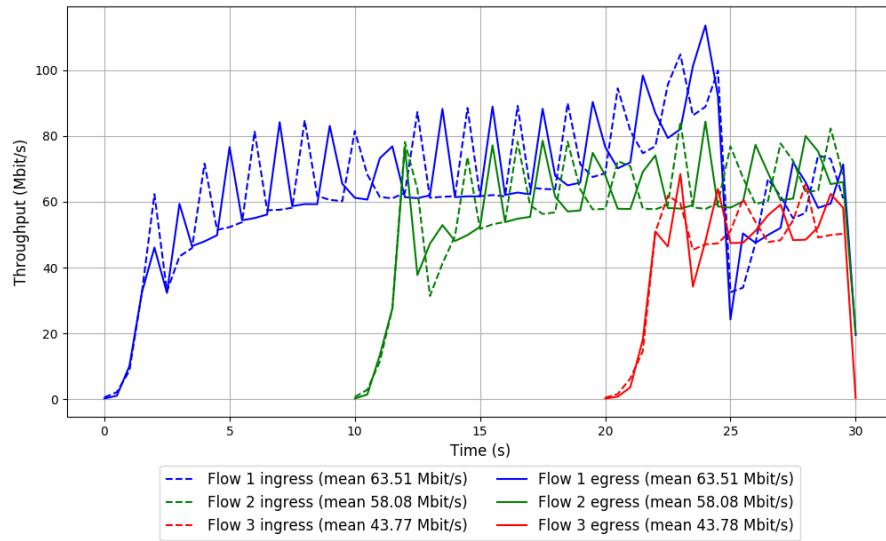
```
Run 4: Statistics of TCP Cubic
```

```
Start at: 2017-09-22 03:53:16
```

```
End at: 2017-09-22 03:53:46
```

```
# Below is generated by plot.py at 2017-09-22 06:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.59 Mbit/s
95th percentile per-packet one-way delay: 115.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.51 Mbit/s
95th percentile per-packet one-way delay: 114.689 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 116.619 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.78 Mbit/s
95th percentile per-packet one-way delay: 118.245 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Cubic — Data Link



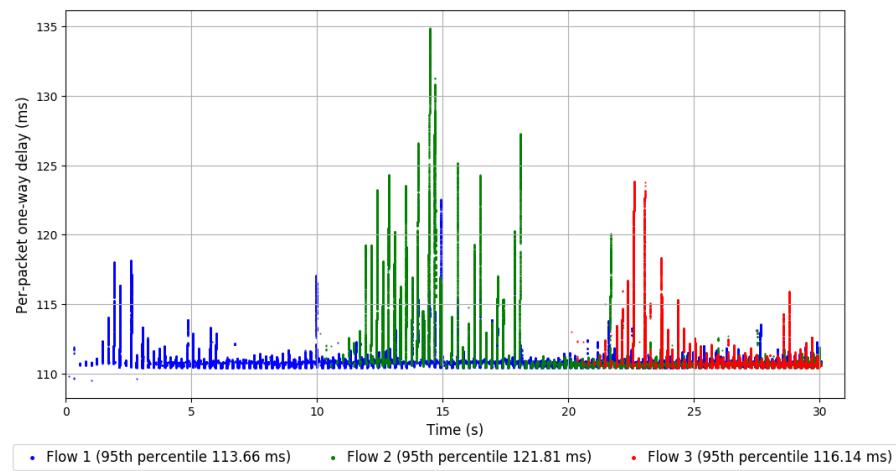
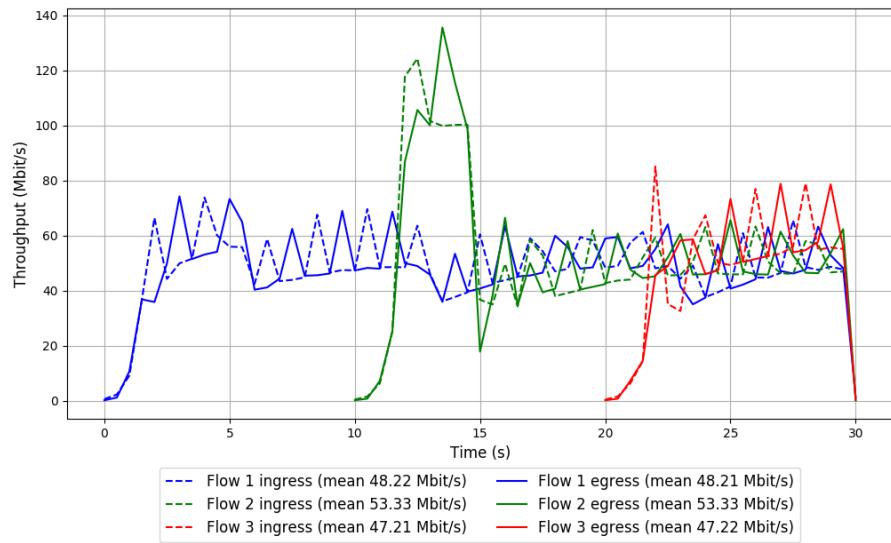
```
Run 5: Statistics of TCP Cubic
```

```
Start at: 2017-09-22 04:06:40
```

```
End at: 2017-09-22 04:07:10
```

```
# Below is generated by plot.py at 2017-09-22 06:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.32 Mbit/s
95th percentile per-packet one-way delay: 117.748 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 113.660 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 53.33 Mbit/s
95th percentile per-packet one-way delay: 121.808 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.22 Mbit/s
95th percentile per-packet one-way delay: 116.144 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link

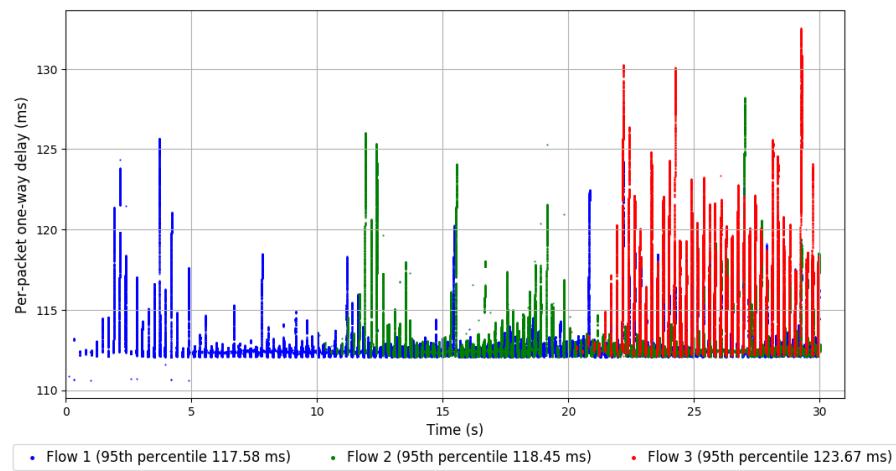
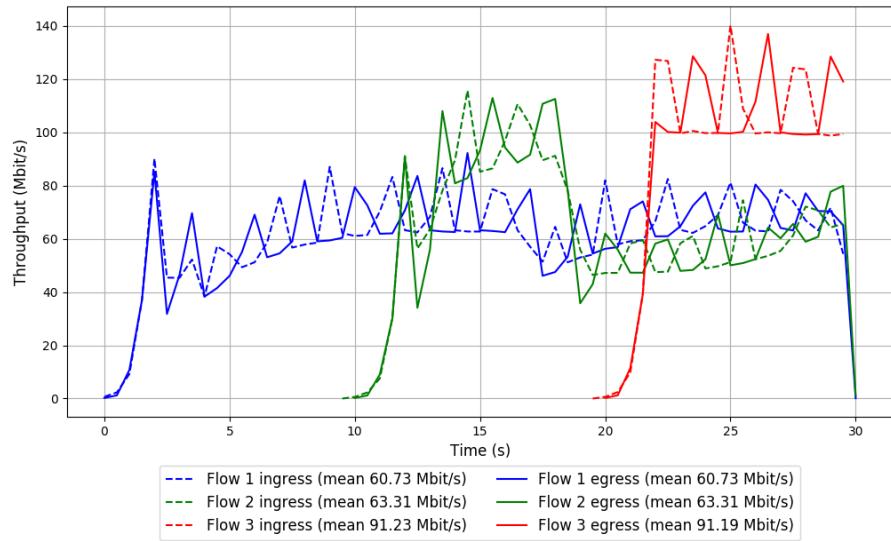


```
Run 6: Statistics of TCP Cubic

Start at: 2017-09-22 04:20:32
End at: 2017-09-22 04:21:02

# Below is generated by plot.py at 2017-09-22 06:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 132.91 Mbit/s
95th percentile per-packet one-way delay: 120.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 117.579 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 118.449 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 123.673 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Cubic — Data Link



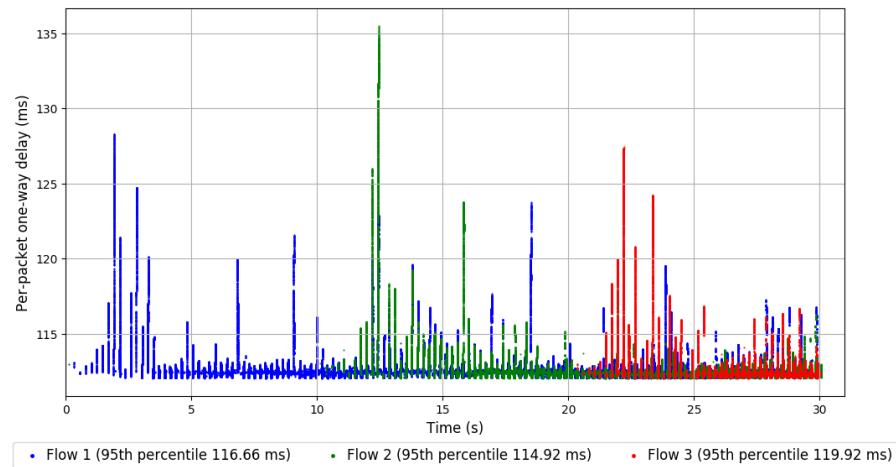
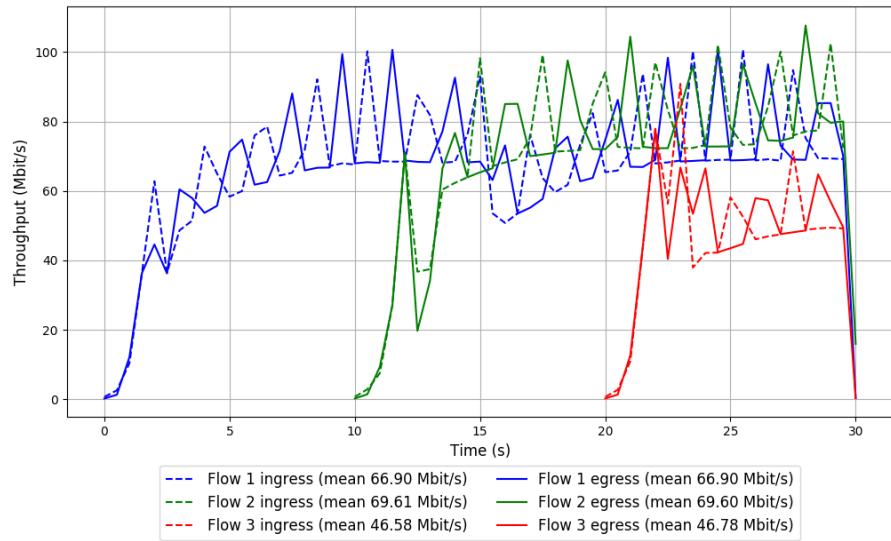
Run 7: Statistics of TCP Cubic

Start at: 2017-09-22 04:34:20

End at: 2017-09-22 04:34:50

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 128.63 Mbit/s
95th percentile per-packet one-way delay: 116.485 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 116.655 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 114.925 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 119.924 ms
Loss rate: 0.01%
```

Run 7: Report of TCP Cubic — Data Link



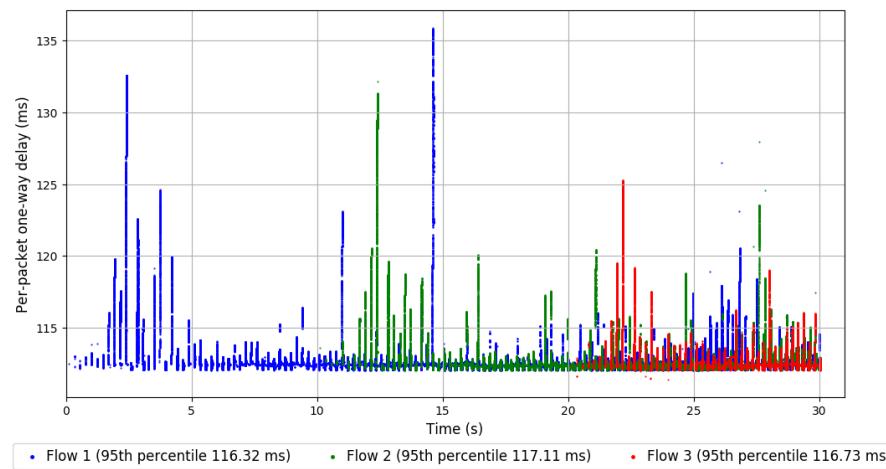
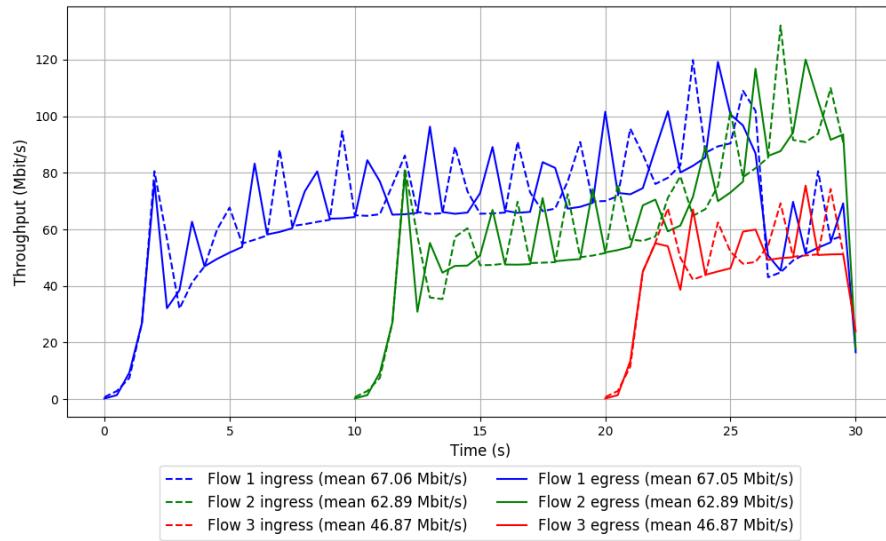
Run 8: Statistics of TCP Cubic

Start at: 2017-09-22 04:48:21

End at: 2017-09-22 04:48:51

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.44 Mbit/s
95th percentile per-packet one-way delay: 116.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.05 Mbit/s
95th percentile per-packet one-way delay: 116.318 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 117.105 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 116.728 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link



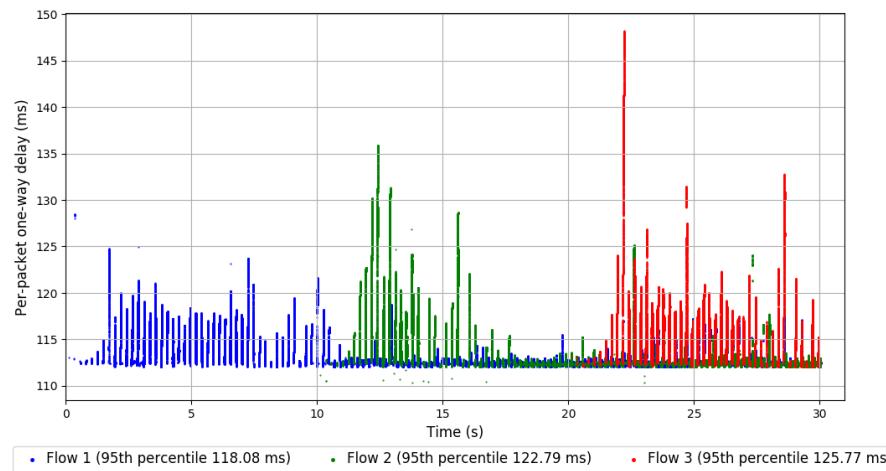
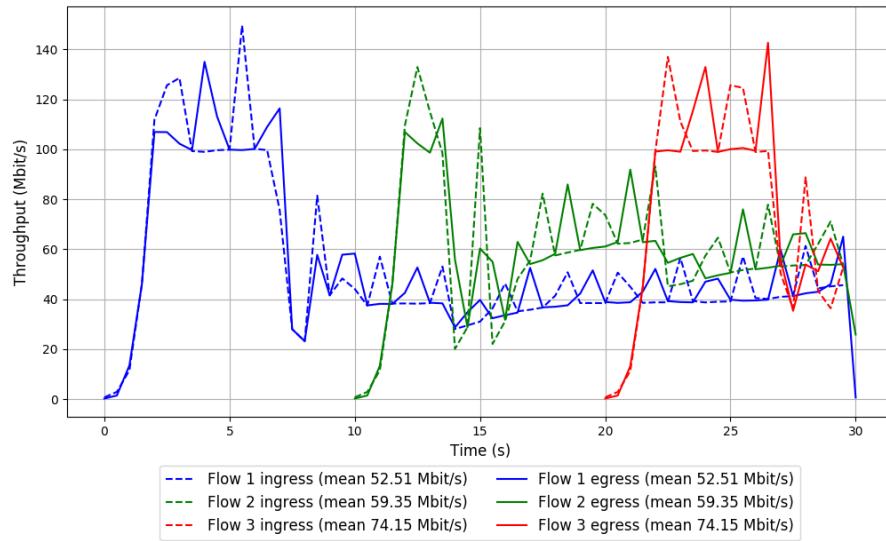
```
Run 9: Statistics of TCP Cubic
```

```
Start at: 2017-09-22 05:01:28
```

```
End at: 2017-09-22 05:01:58
```

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.38 Mbit/s
95th percentile per-packet one-way delay: 121.024 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 118.084 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 122.787 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: 125.772 ms
Loss rate: 0.02%
```

Run 9: Report of TCP Cubic — Data Link



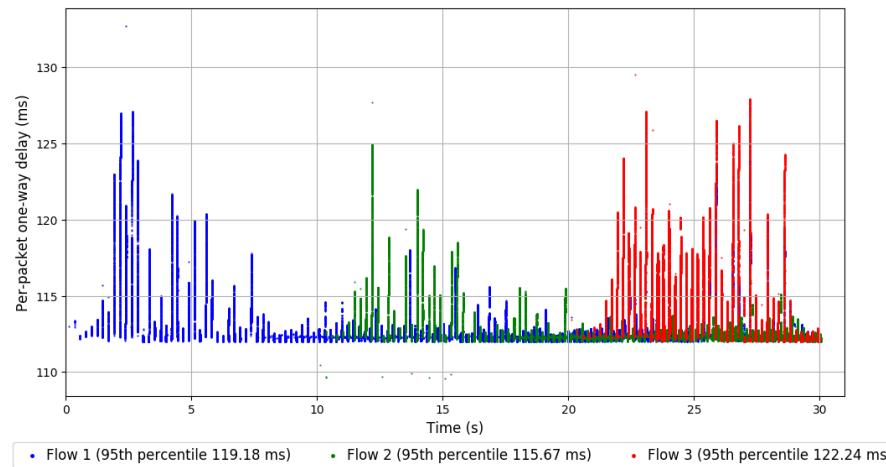
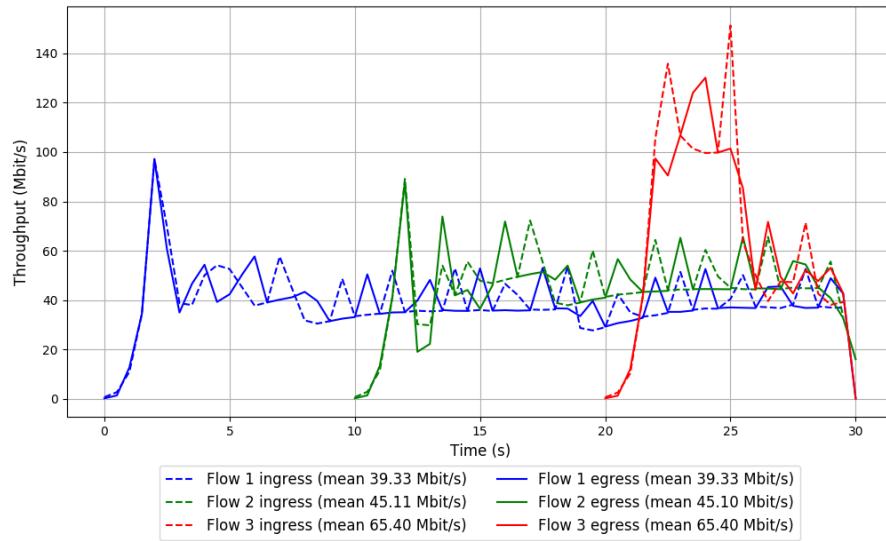
Run 10: Statistics of TCP Cubic

Start at: 2017-09-22 05:14:33

End at: 2017-09-22 05:15:03

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 119.359 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 119.181 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 115.668 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 122.238 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

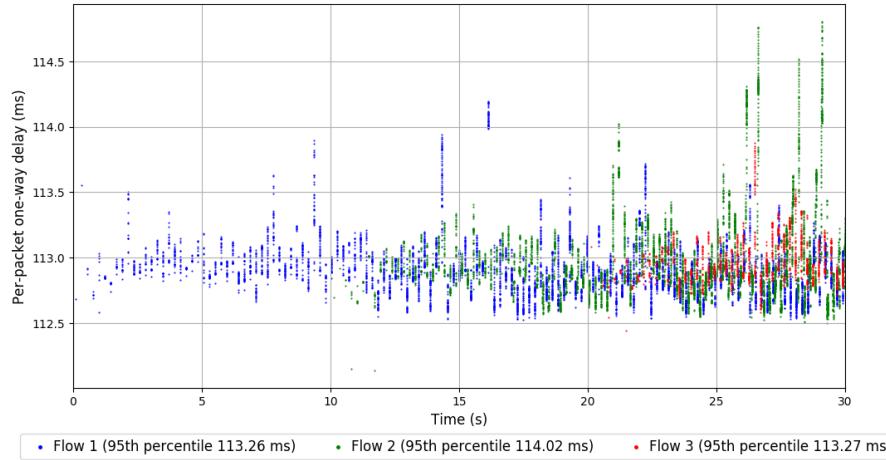
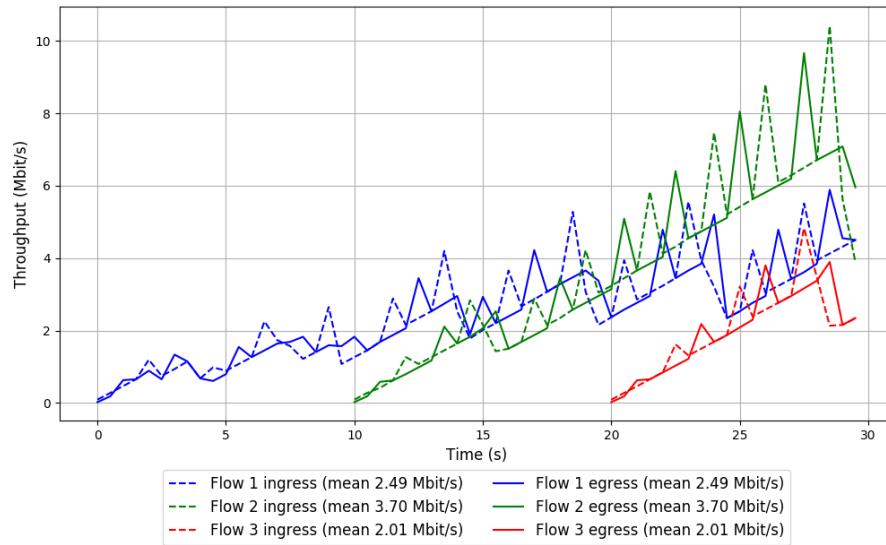


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-22 03:07:20
End at: 2017-09-22 03:07:50

# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 113.552 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 113.260 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 114.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 113.270 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



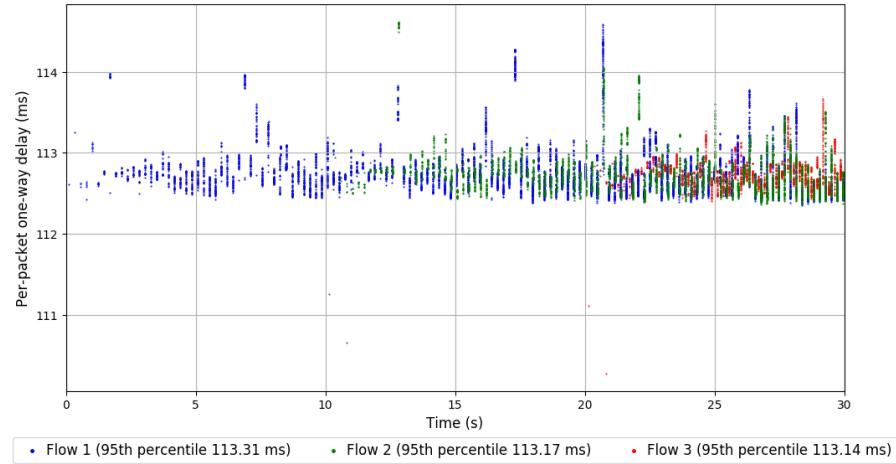
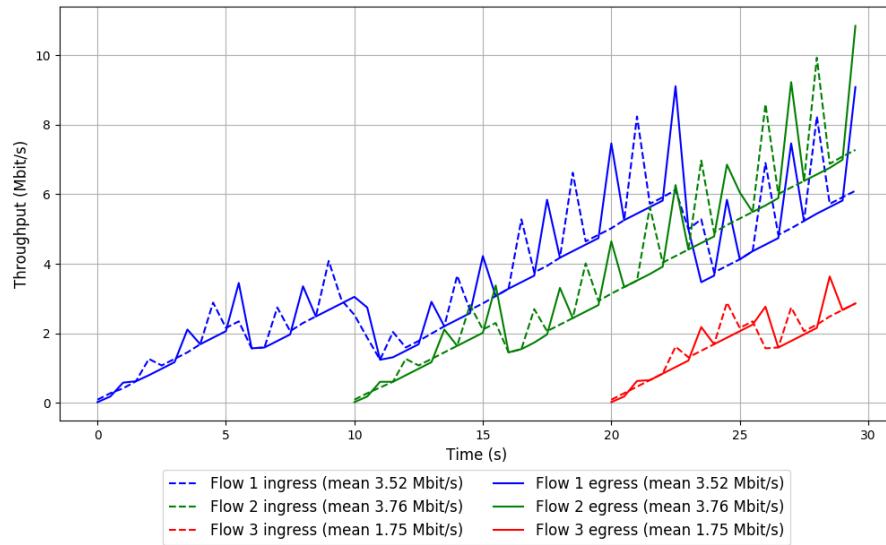
Run 2: Statistics of LEDBAT

Start at: 2017-09-22 03:20:40

End at: 2017-09-22 03:21:10

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 113.241 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 113.305 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 113.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 113.142 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



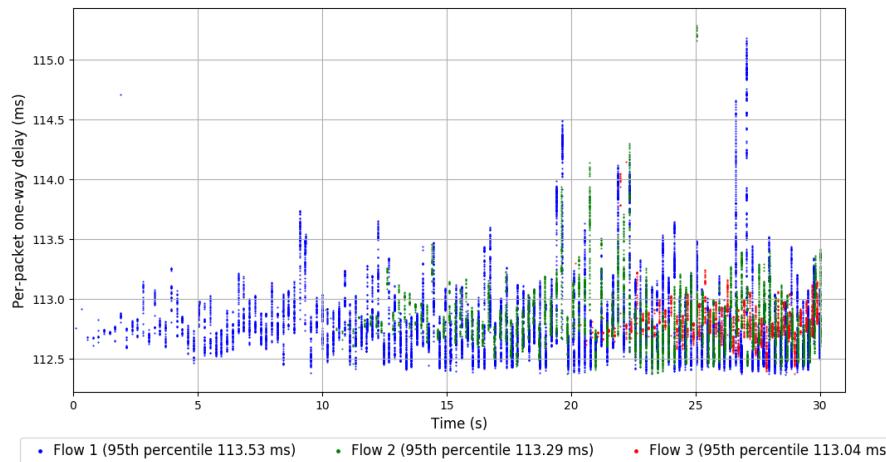
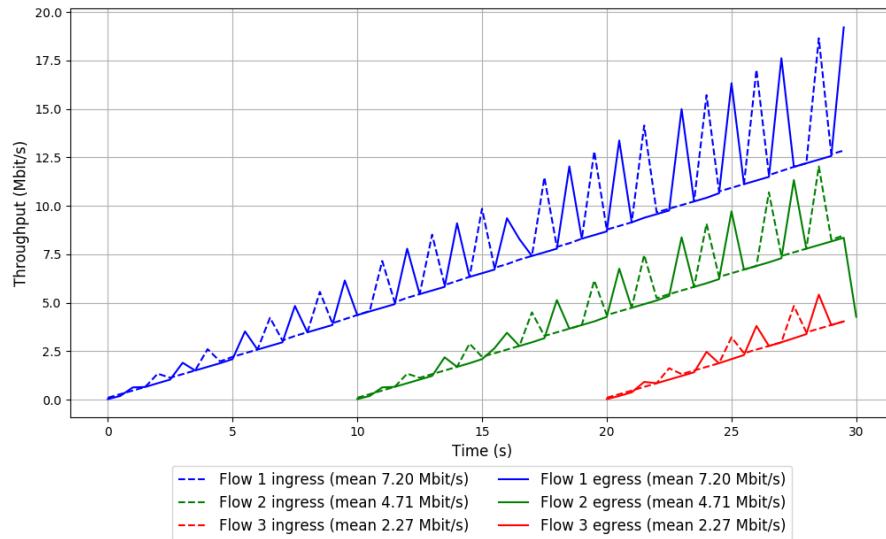
```
Run 3: Statistics of LEDBAT
```

```
Start at: 2017-09-22 03:34:23
```

```
End at: 2017-09-22 03:34:53
```

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 113.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 113.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 113.290 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 113.041 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link



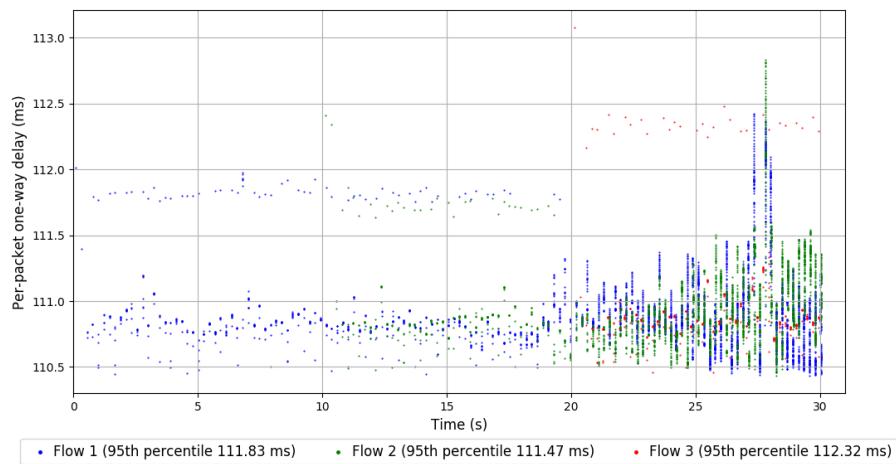
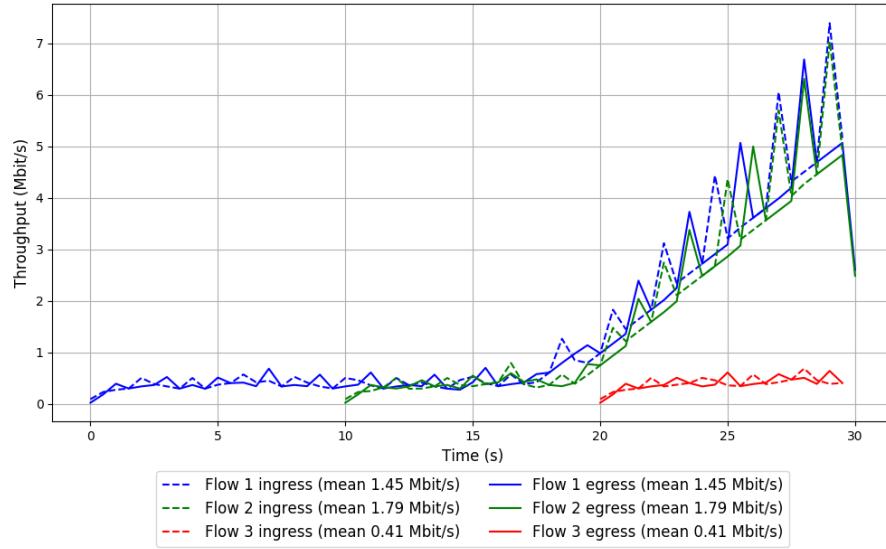
Run 4: Statistics of LEDBAT

Start at: 2017-09-22 03:47:53

End at: 2017-09-22 03:48:23

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 111.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 111.827 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 111.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 112.318 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link



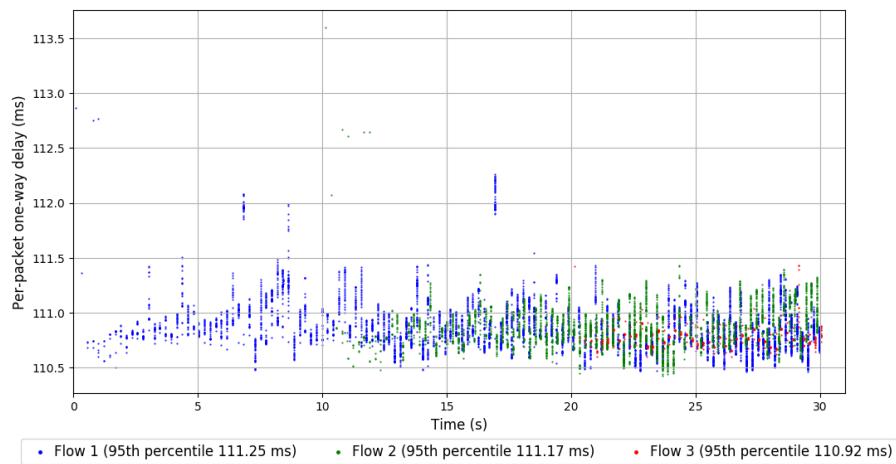
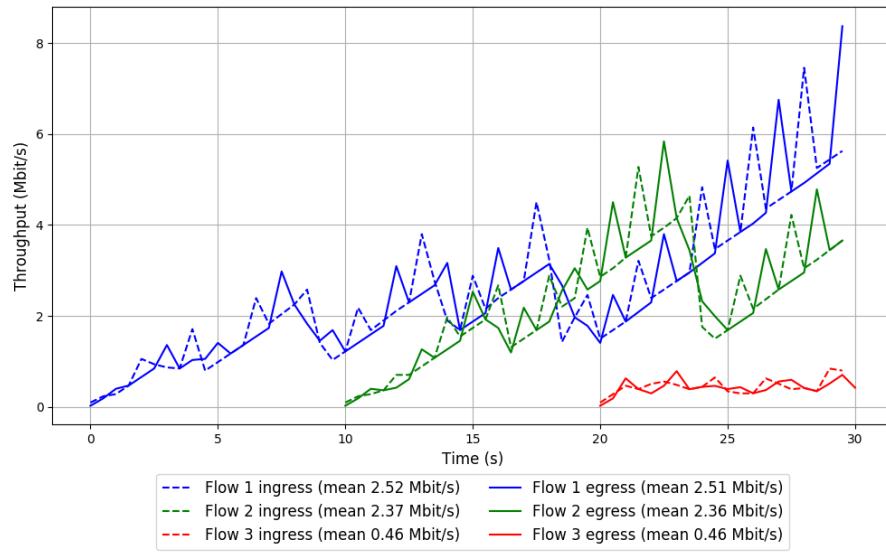
Run 5: Statistics of LEDBAT

Start at: 2017-09-22 04:01:13

End at: 2017-09-22 04:01:43

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 111.209 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 111.246 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 111.171 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 110.922 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link



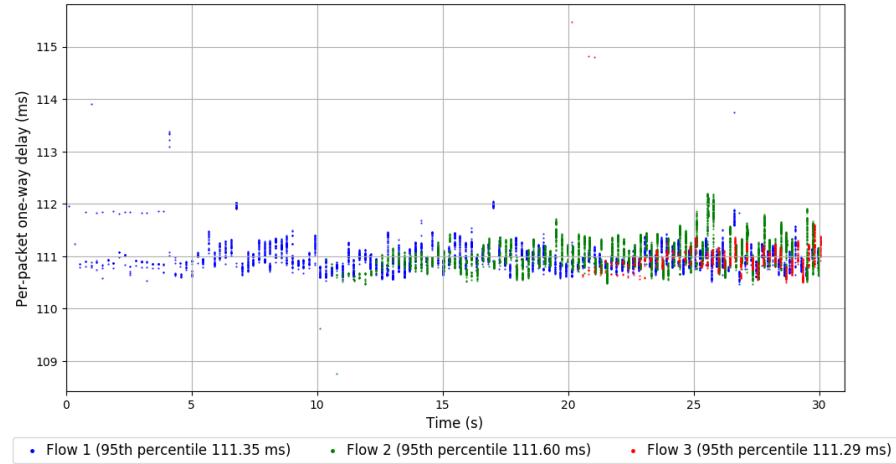
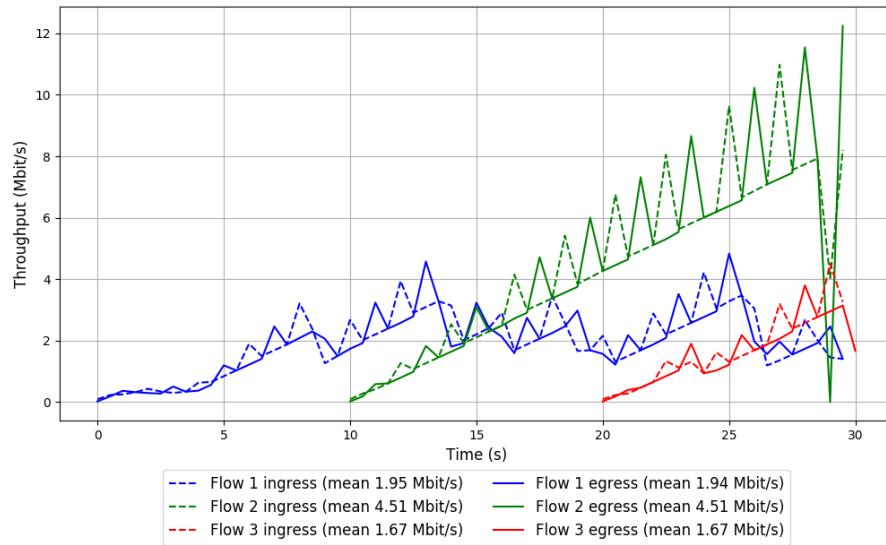
Run 6: Statistics of LEDBAT

Start at: 2017-09-22 04:15:05

End at: 2017-09-22 04:15:35

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 111.515 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 111.350 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 111.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 111.286 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link



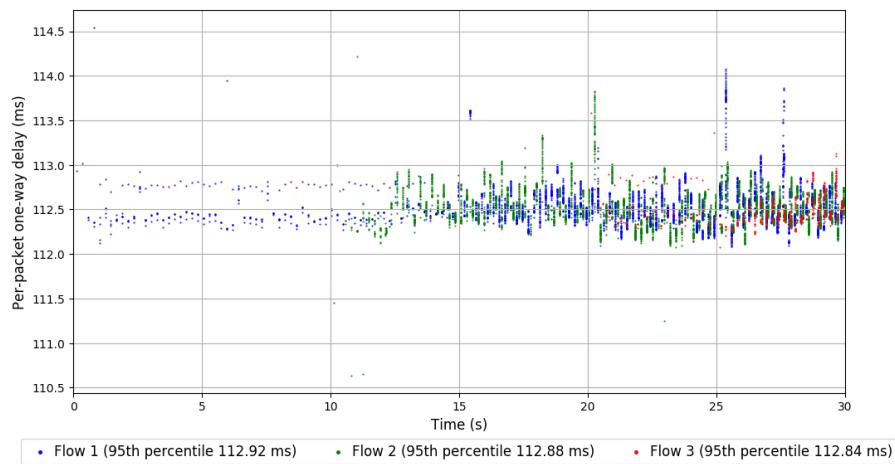
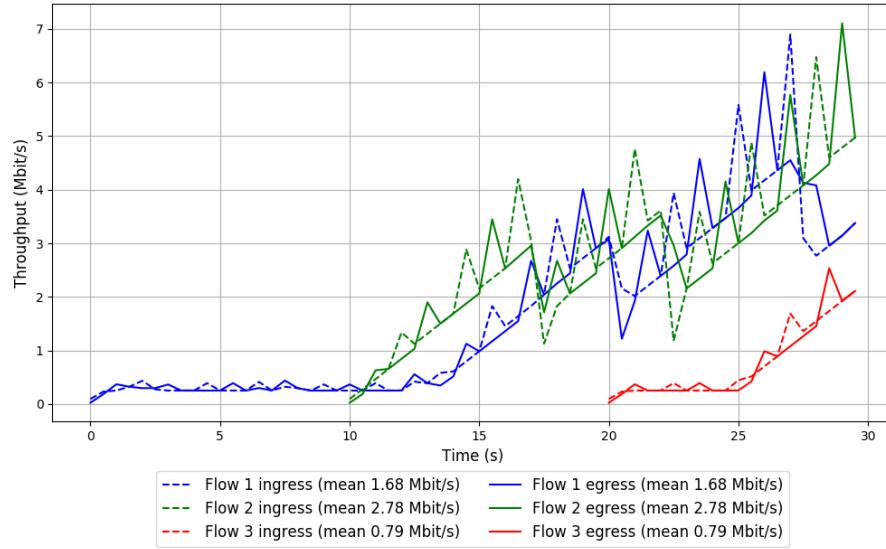
Run 7: Statistics of LEDBAT

Start at: 2017-09-22 04:28:58

End at: 2017-09-22 04:29:28

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 112.885 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 112.924 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 112.875 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 112.844 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link



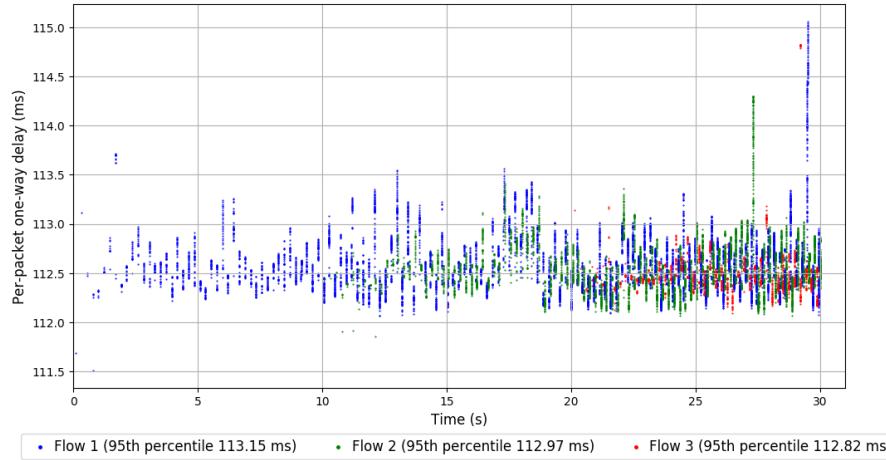
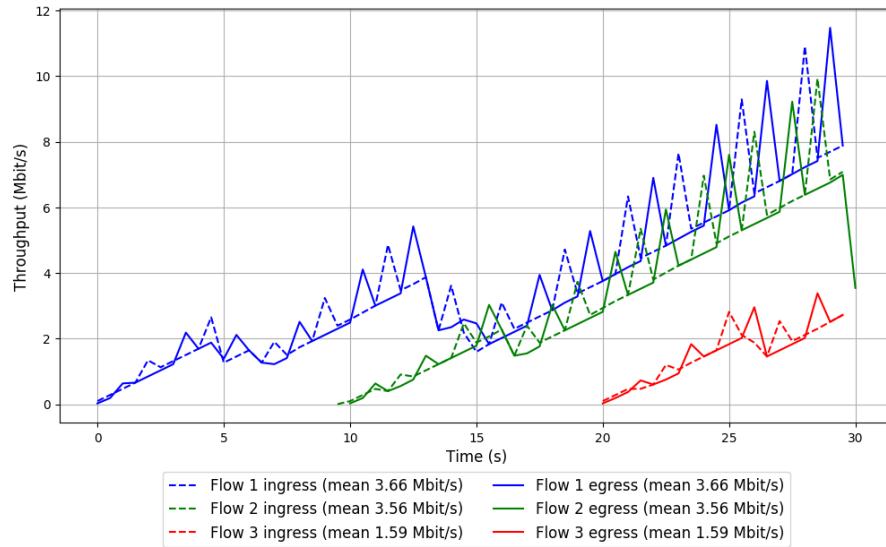
Run 8: Statistics of LEDBAT

Start at: 2017-09-22 04:42:46

End at: 2017-09-22 04:43:16

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 113.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 113.151 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 112.973 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 112.820 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link



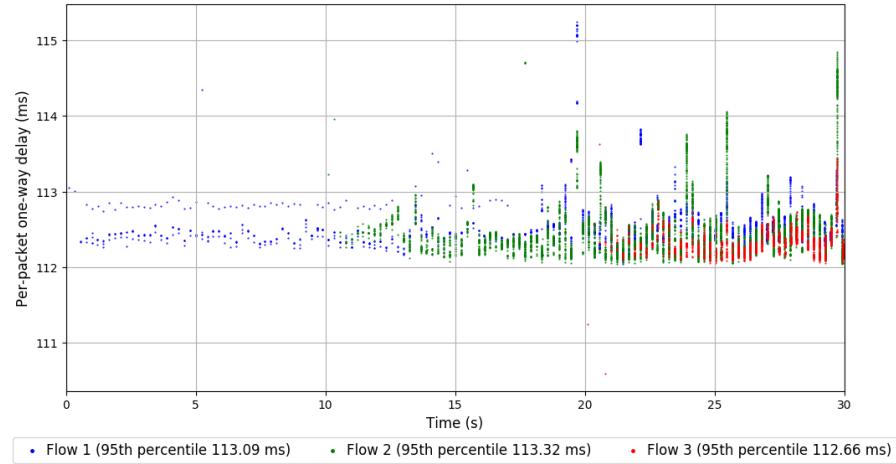
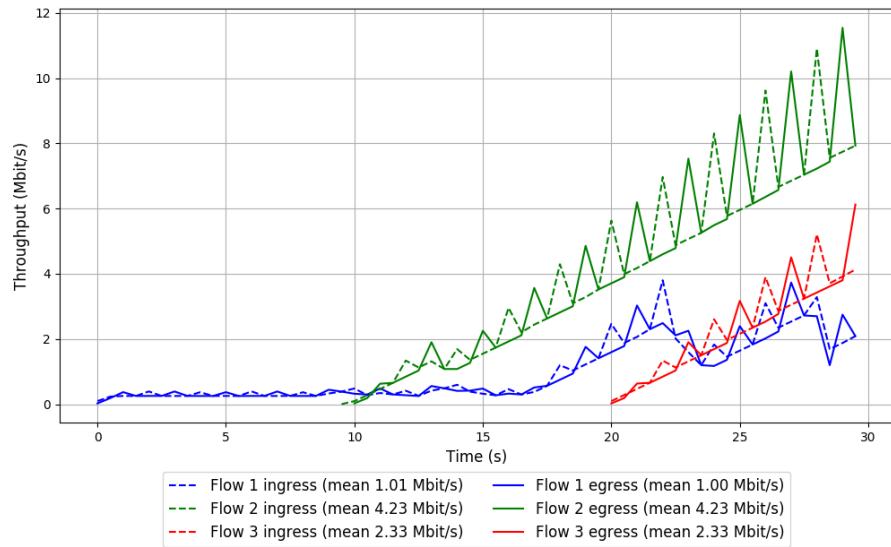
Run 9: Statistics of LEDBAT

Start at: 2017-09-22 04:56:06

End at: 2017-09-22 04:56:36

```
# Below is generated by plot.py at 2017-09-22 06:14:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 113.132 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 113.086 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 113.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 112.657 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-09-22 05:09:14

End at: 2017-09-22 05:09:44

Run 10: Report of LEDBAT — Data Link

Figure is missing

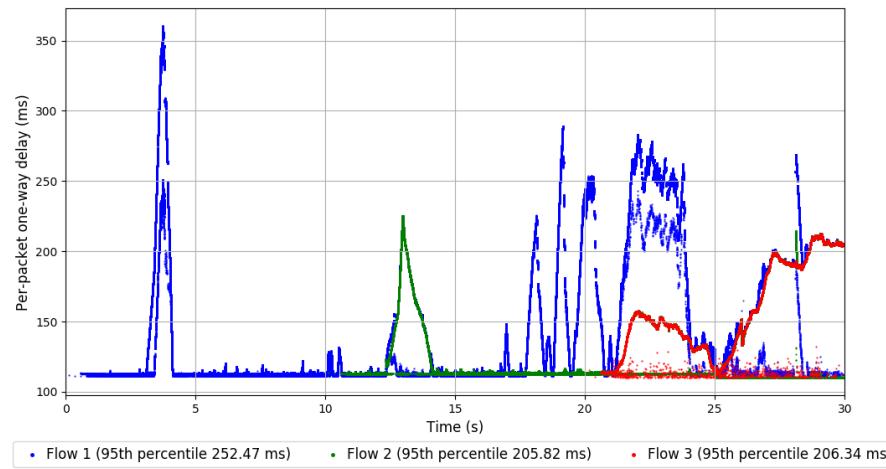
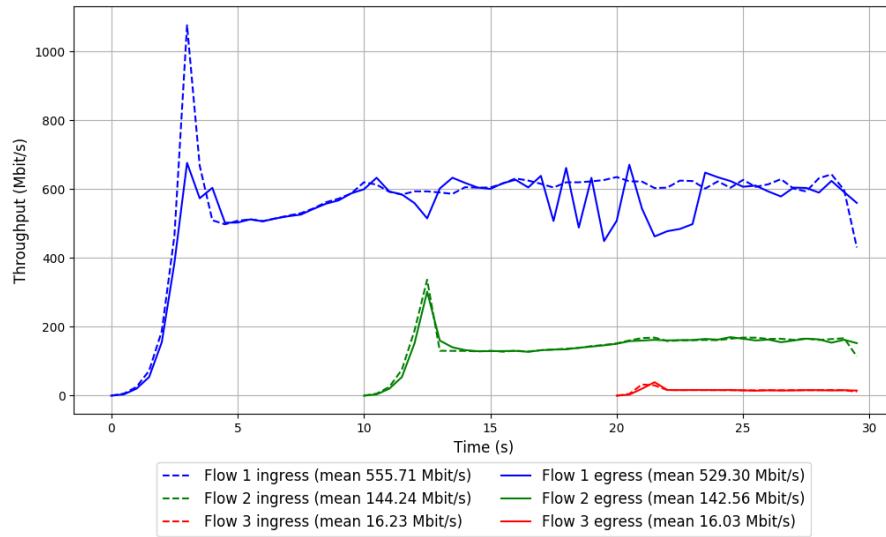
Figure is missing

```
Run 1: Statistics of PCC

Start at: 2017-09-22 03:18:08
End at: 2017-09-22 03:18:38

# Below is generated by plot.py at 2017-09-22 06:23:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 629.25 Mbit/s
95th percentile per-packet one-way delay: 249.045 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 529.30 Mbit/s
95th percentile per-packet one-way delay: 252.472 ms
Loss rate: 4.76%
-- Flow 2:
Average throughput: 142.56 Mbit/s
95th percentile per-packet one-way delay: 205.816 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 206.337 ms
Loss rate: 1.29%
```

Run 1: Report of PCC — Data Link



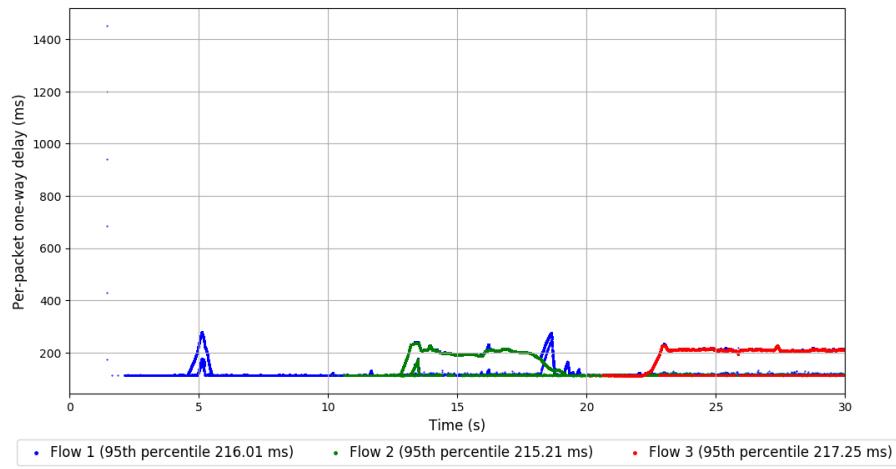
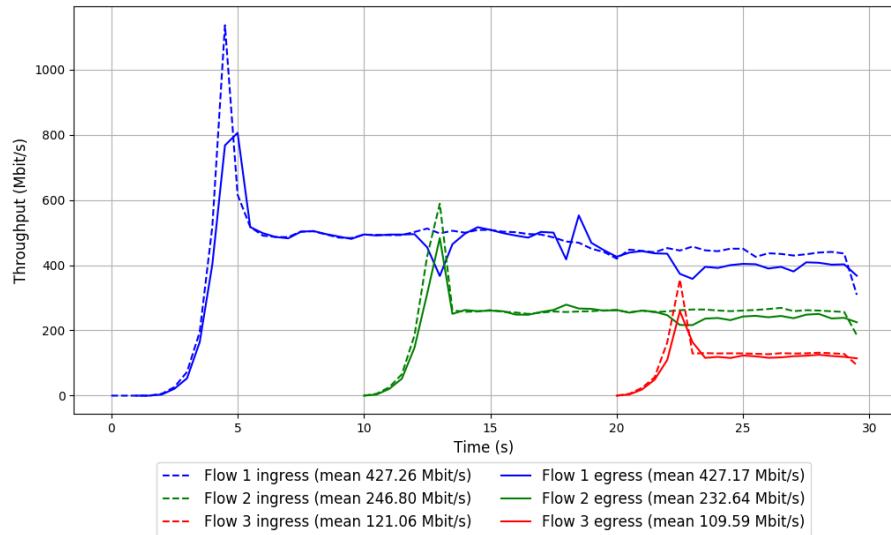
Run 2: Statistics of PCC

Start at: 2017-09-22 03:31:51

End at: 2017-09-22 03:32:21

```
# Below is generated by plot.py at 2017-09-22 06:23:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 626.75 Mbit/s
95th percentile per-packet one-way delay: 215.840 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 427.17 Mbit/s
95th percentile per-packet one-way delay: 216.008 ms
Loss rate: 4.50%
-- Flow 2:
Average throughput: 232.64 Mbit/s
95th percentile per-packet one-way delay: 215.208 ms
Loss rate: 5.74%
-- Flow 3:
Average throughput: 109.59 Mbit/s
95th percentile per-packet one-way delay: 217.246 ms
Loss rate: 9.52%
```

Run 2: Report of PCC — Data Link



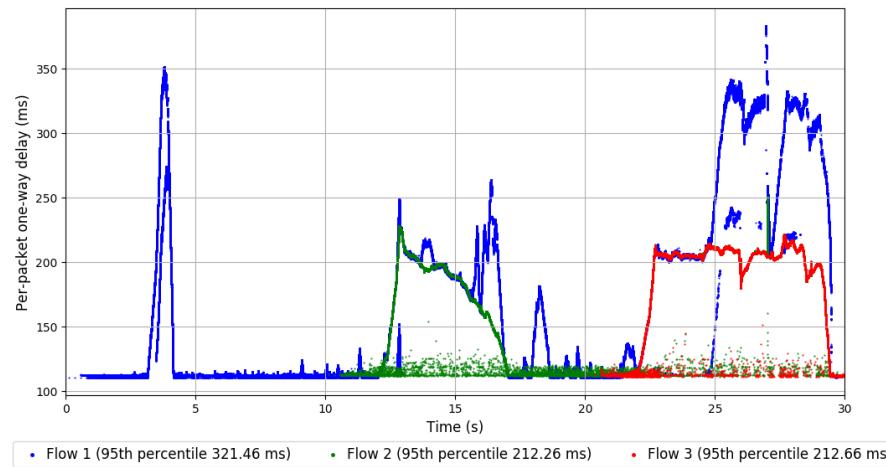
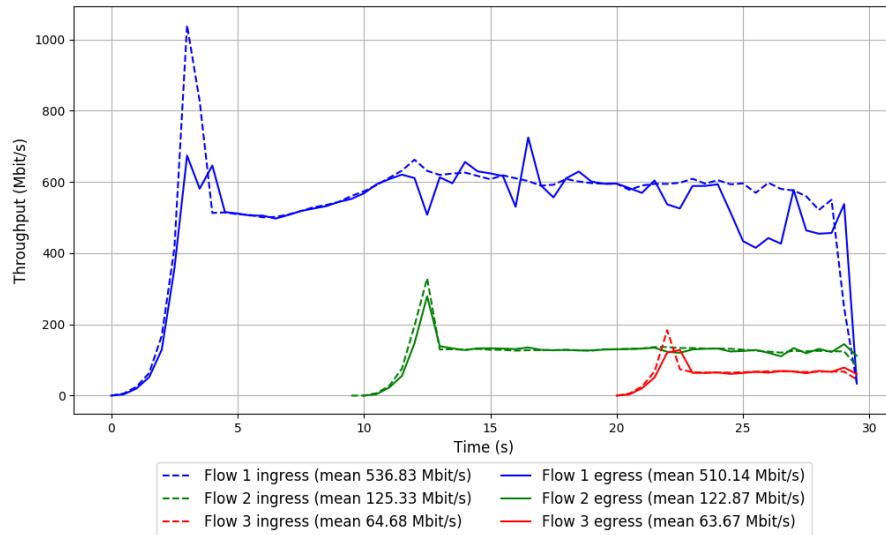
Run 3: Statistics of PCC

Start at: 2017-09-22 03:45:19

End at: 2017-09-22 03:45:49

```
# Below is generated by plot.py at 2017-09-22 06:23:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 608.73 Mbit/s
95th percentile per-packet one-way delay: 318.279 ms
Loss rate: 4.46%
-- Flow 1:
Average throughput: 510.14 Mbit/s
95th percentile per-packet one-way delay: 321.458 ms
Loss rate: 4.97%
-- Flow 2:
Average throughput: 122.87 Mbit/s
95th percentile per-packet one-way delay: 212.259 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 63.67 Mbit/s
95th percentile per-packet one-way delay: 212.655 ms
Loss rate: 1.55%
```

Run 3: Report of PCC — Data Link



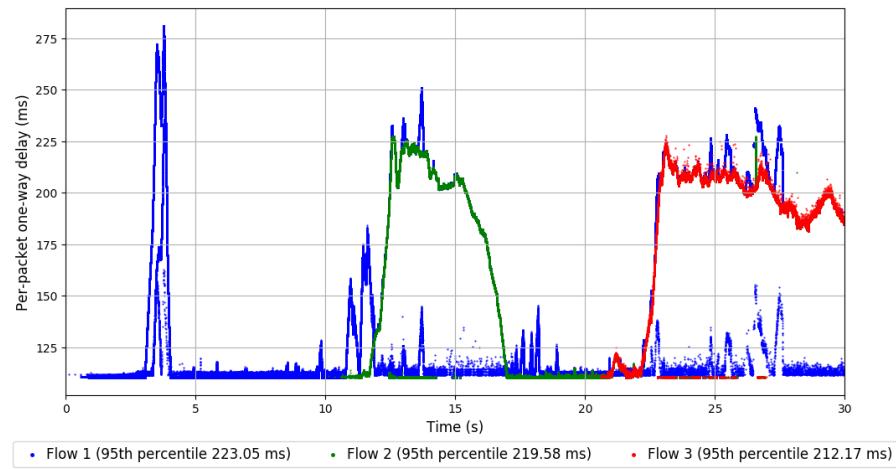
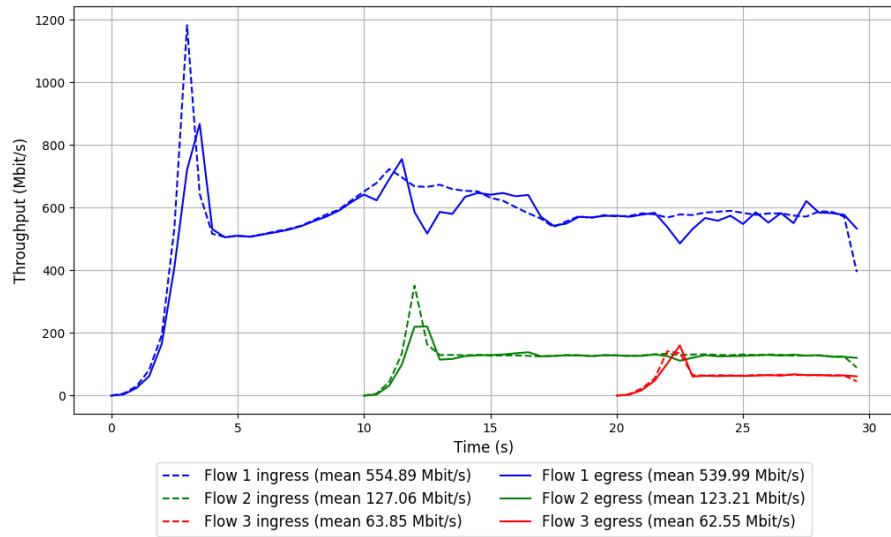
Run 4: Statistics of PCC

Start at: 2017-09-22 03:58:39

End at: 2017-09-22 03:59:09

```
# Below is generated by plot.py at 2017-09-22 06:24:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 642.42 Mbit/s
95th percentile per-packet one-way delay: 222.208 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 539.99 Mbit/s
95th percentile per-packet one-way delay: 223.046 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 123.21 Mbit/s
95th percentile per-packet one-way delay: 219.576 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: 212.171 ms
Loss rate: 2.02%
```

Run 4: Report of PCC — Data Link



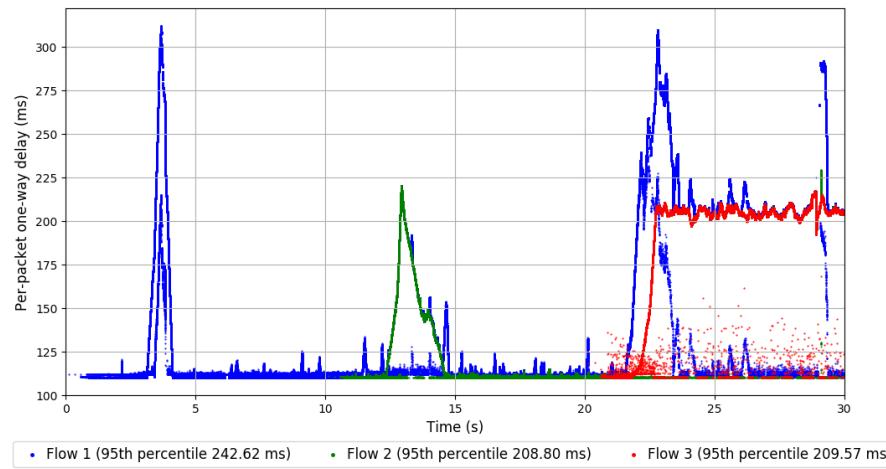
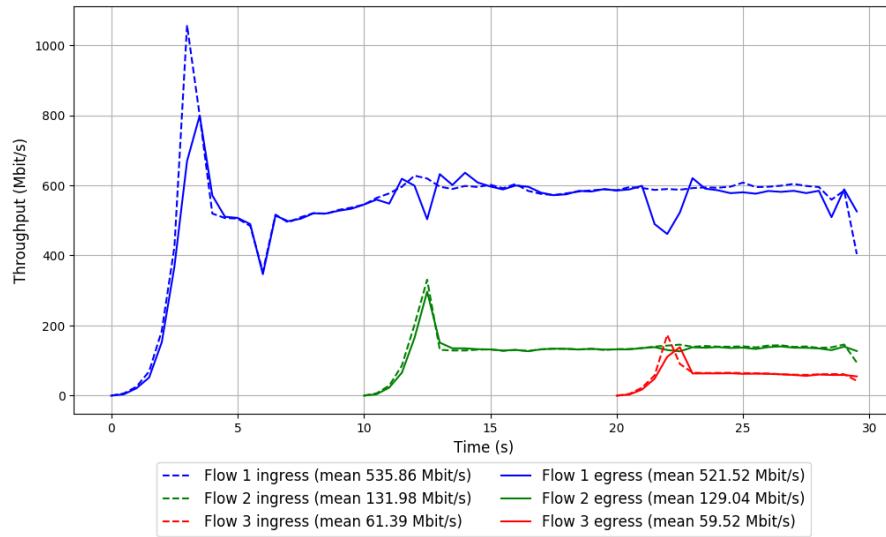
Run 5: Statistics of PCC

Start at: 2017-09-22 04:12:32

End at: 2017-09-22 04:13:02

```
# Below is generated by plot.py at 2017-09-22 06:24:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 626.84 Mbit/s
95th percentile per-packet one-way delay: 231.185 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 521.52 Mbit/s
95th percentile per-packet one-way delay: 242.621 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 129.04 Mbit/s
95th percentile per-packet one-way delay: 208.799 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 209.566 ms
Loss rate: 3.10%
```

Run 5: Report of PCC — Data Link



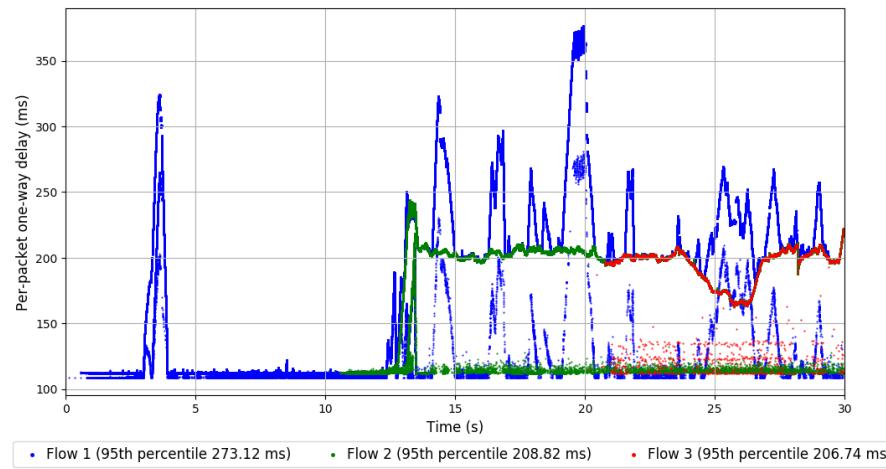
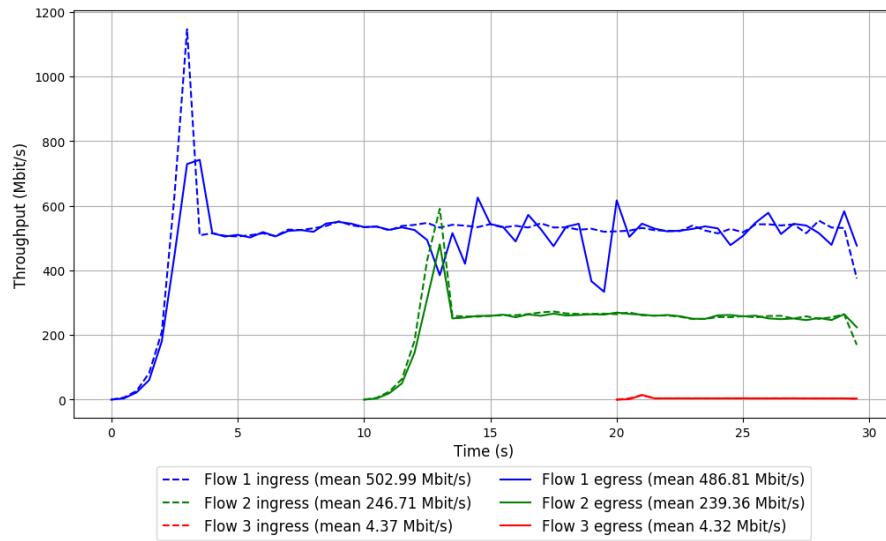
Run 6: Statistics of PCC

Start at: 2017-09-22 04:26:27

End at: 2017-09-22 04:26:57

```
# Below is generated by plot.py at 2017-09-22 06:24:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 647.34 Mbit/s
95th percentile per-packet one-way delay: 263.185 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 486.81 Mbit/s
95th percentile per-packet one-way delay: 273.125 ms
Loss rate: 3.20%
-- Flow 2:
Average throughput: 239.36 Mbit/s
95th percentile per-packet one-way delay: 208.819 ms
Loss rate: 2.98%
-- Flow 3:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 206.744 ms
Loss rate: 1.29%
```

Run 6: Report of PCC — Data Link



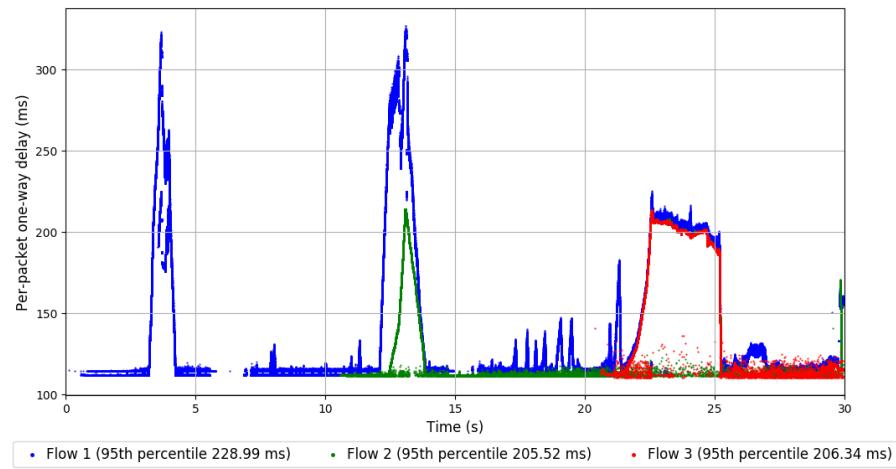
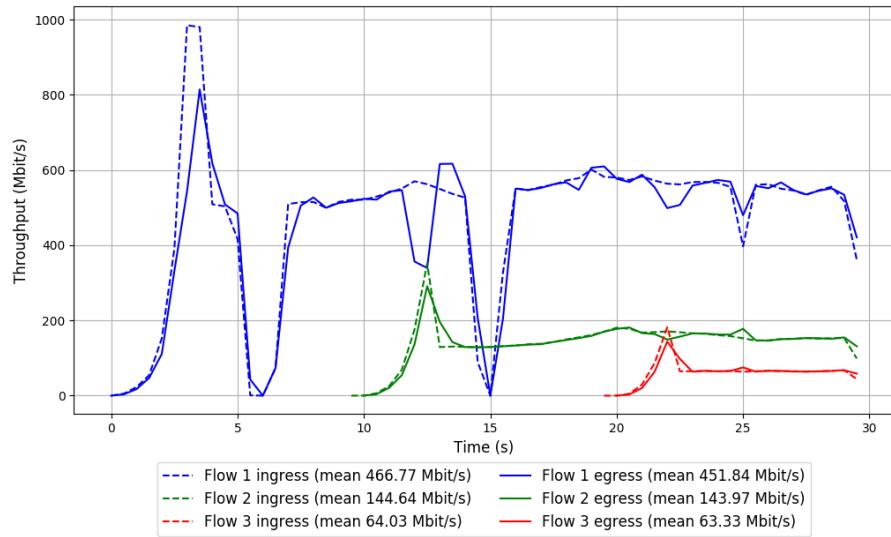
Run 7: Statistics of PCC

Start at: 2017-09-22 04:40:14

End at: 2017-09-22 04:40:44

```
# Below is generated by plot.py at 2017-09-22 06:24:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 568.41 Mbit/s
95th percentile per-packet one-way delay: 212.163 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 451.84 Mbit/s
95th percentile per-packet one-way delay: 228.993 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 143.97 Mbit/s
95th percentile per-packet one-way delay: 205.518 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 63.33 Mbit/s
95th percentile per-packet one-way delay: 206.340 ms
Loss rate: 1.13%
```

Run 7: Report of PCC — Data Link



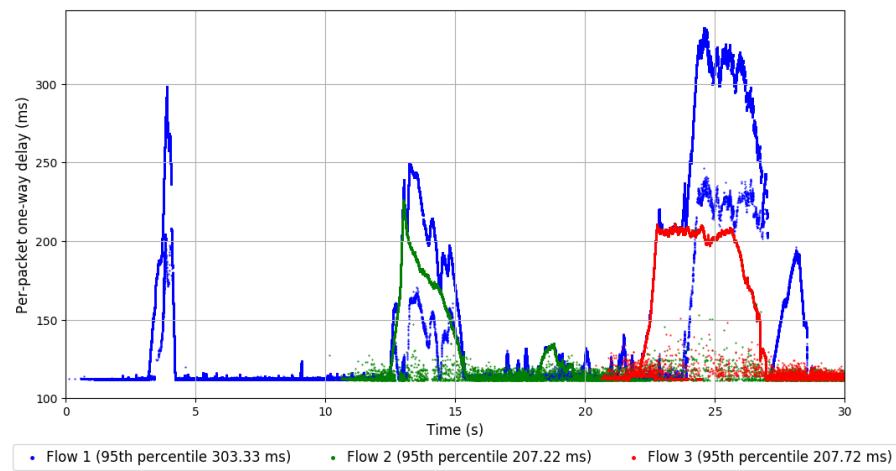
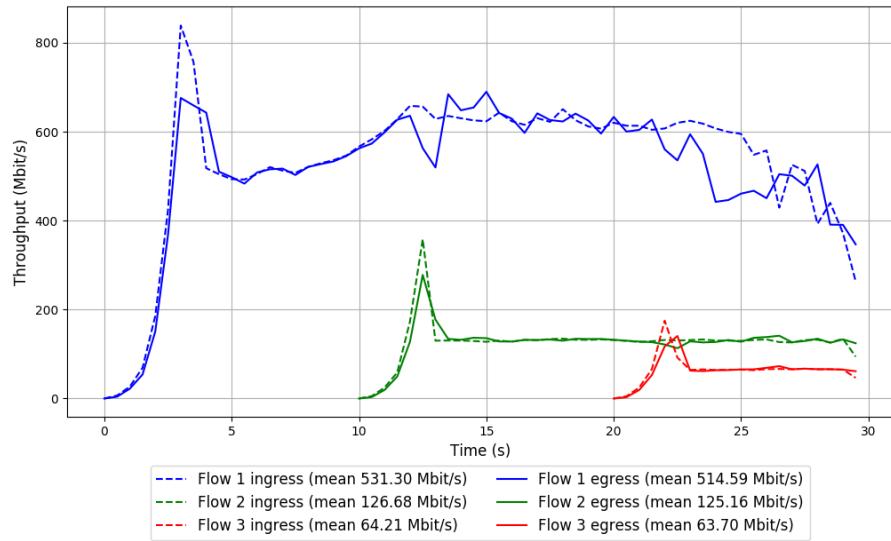
Run 8: Statistics of PCC

Start at: 2017-09-22 04:53:33

End at: 2017-09-22 04:54:03

```
# Below is generated by plot.py at 2017-09-22 06:24:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 618.60 Mbit/s
95th percentile per-packet one-way delay: 291.198 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 514.59 Mbit/s
95th percentile per-packet one-way delay: 303.330 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 125.16 Mbit/s
95th percentile per-packet one-way delay: 207.222 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 63.70 Mbit/s
95th percentile per-packet one-way delay: 207.716 ms
Loss rate: 0.84%
```

Run 8: Report of PCC — Data Link

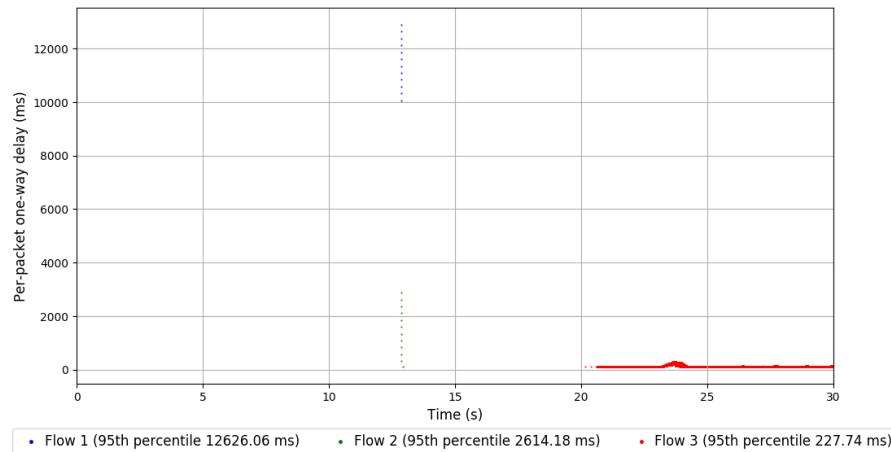
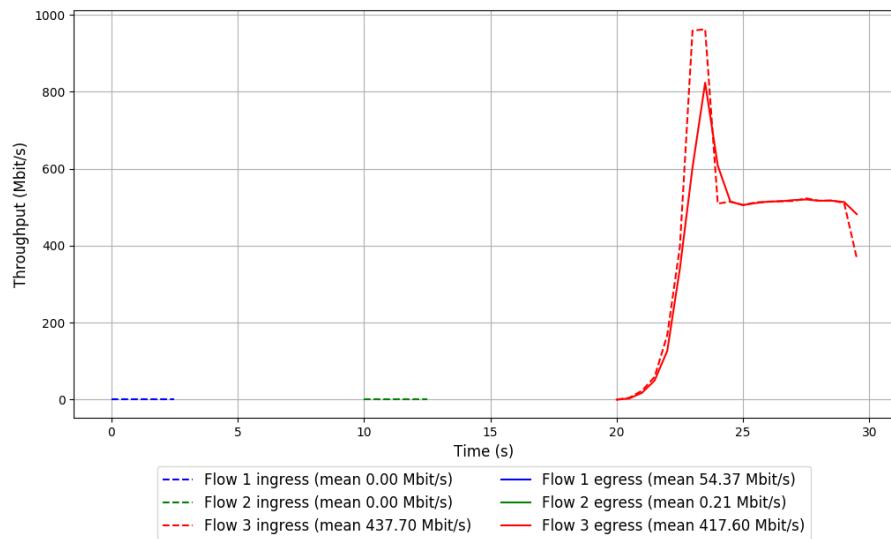


Run 9: Statistics of PCC

Start at: 2017-09-22 05:07:06

End at: 2017-09-22 05:07:36

Run 9: Report of PCC — Data Link



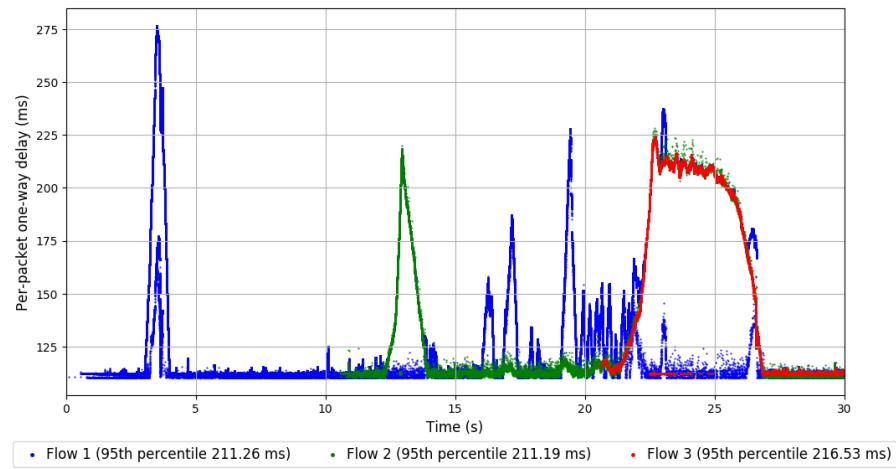
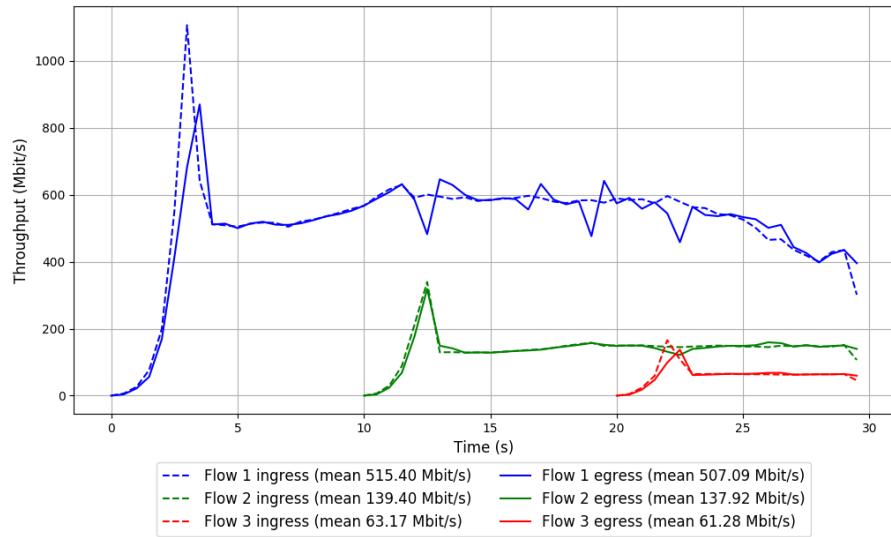
Run 10: Statistics of PCC

Start at: 2017-09-22 05:19:36

End at: 2017-09-22 05:20:06

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 618.89 Mbit/s
95th percentile per-packet one-way delay: 211.531 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 507.09 Mbit/s
95th percentile per-packet one-way delay: 211.264 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 137.92 Mbit/s
95th percentile per-packet one-way delay: 211.186 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 216.534 ms
Loss rate: 3.03%
```

Run 10: Report of PCC — Data Link

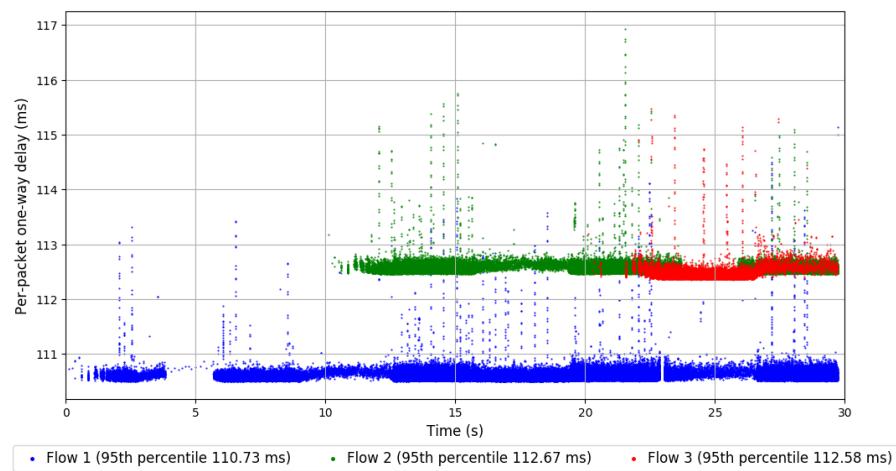
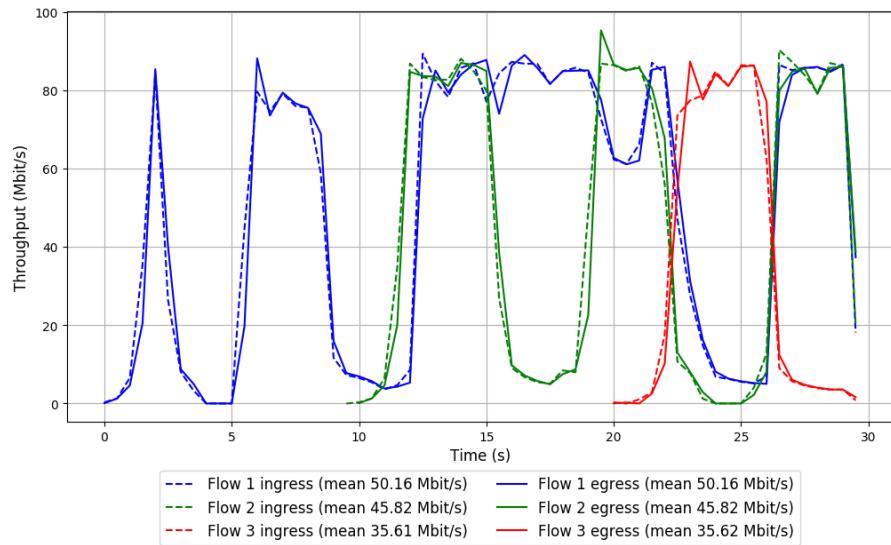


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-22 03:09:21
End at: 2017-09-22 03:09:51

# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 112.620 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 110.730 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 112.669 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 112.579 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



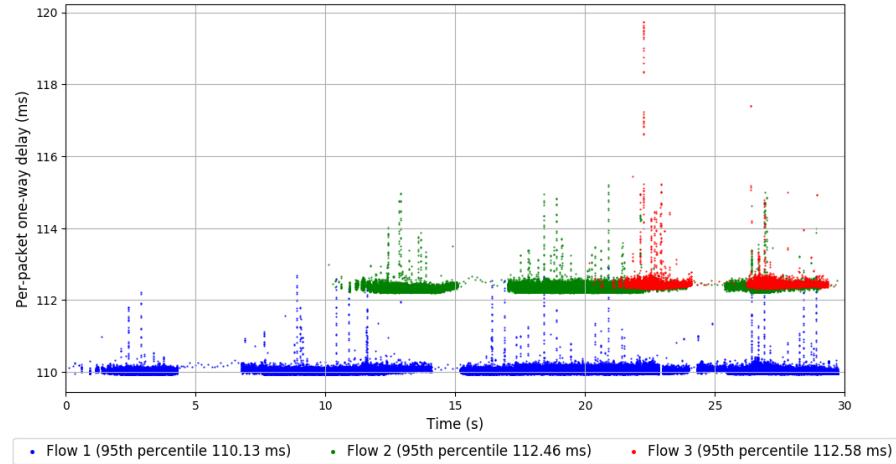
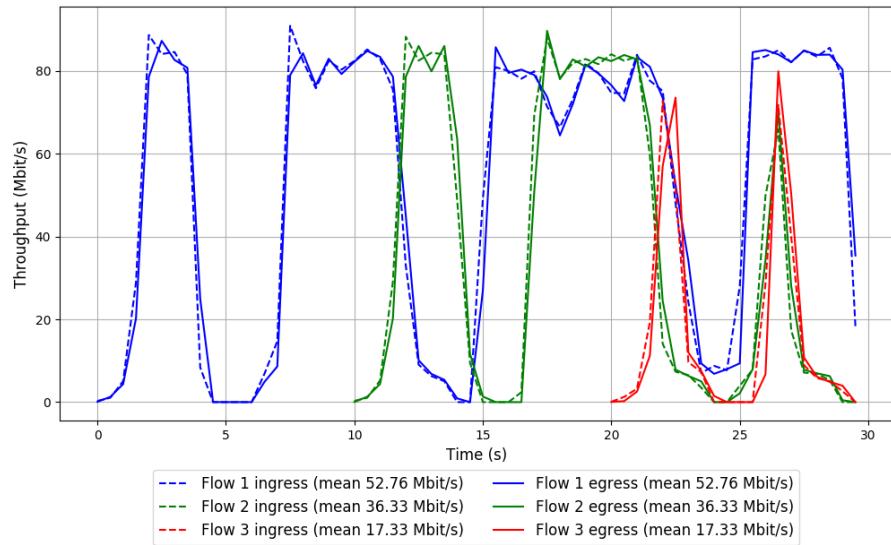
Run 2: Statistics of QUIC Cubic

Start at: 2017-09-22 03:22:42

End at: 2017-09-22 03:23:12

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 112.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.76 Mbit/s
95th percentile per-packet one-way delay: 110.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 112.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 112.576 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



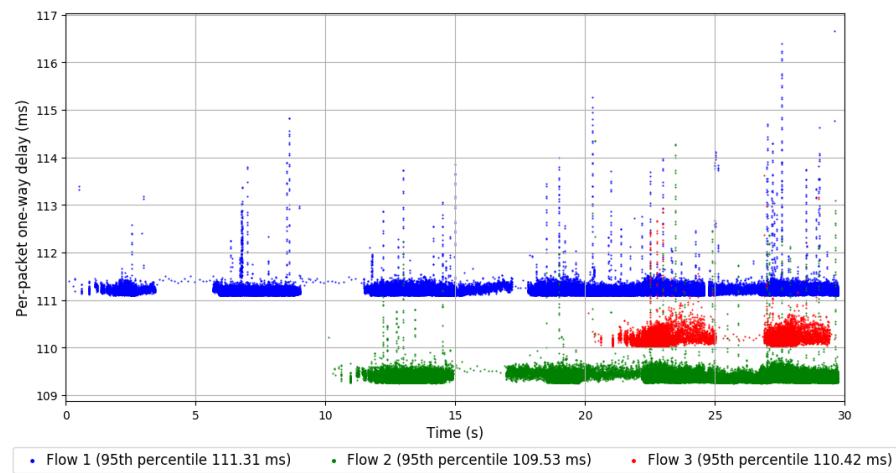
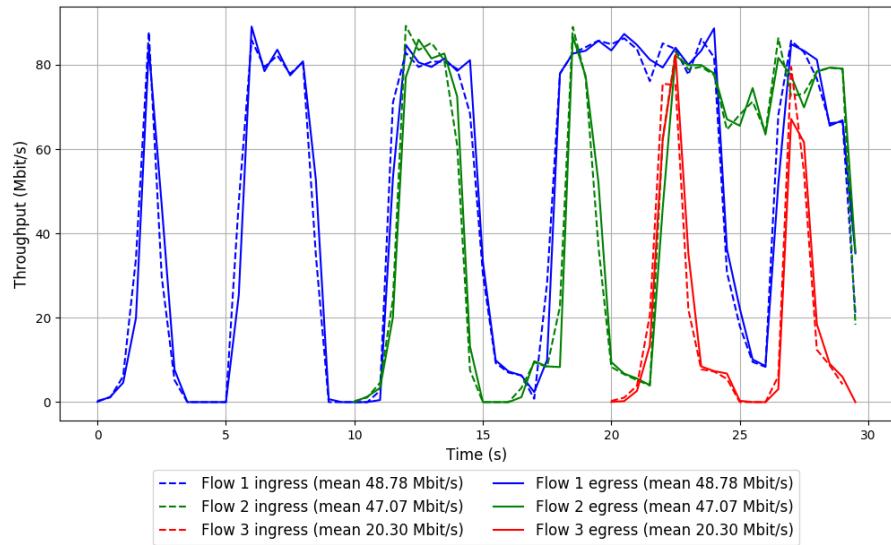
Run 3: Statistics of QUIC Cubic

Start at: 2017-09-22 03:36:30

End at: 2017-09-22 03:37:00

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 111.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 111.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 109.528 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 110.417 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link



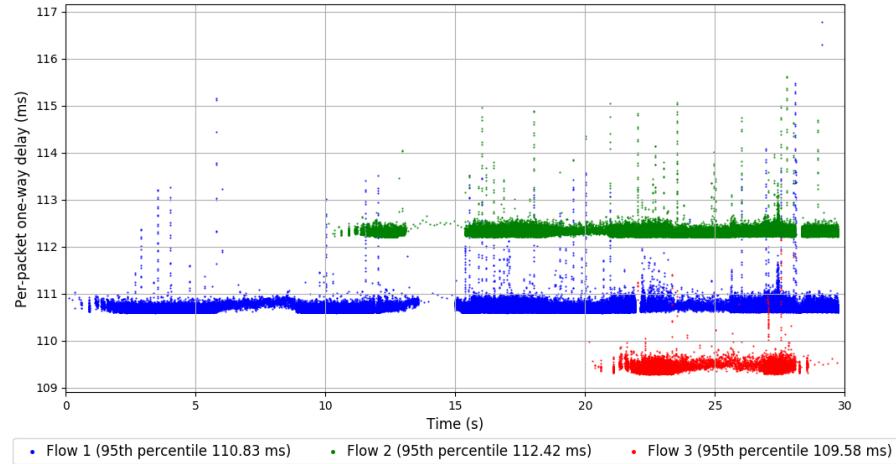
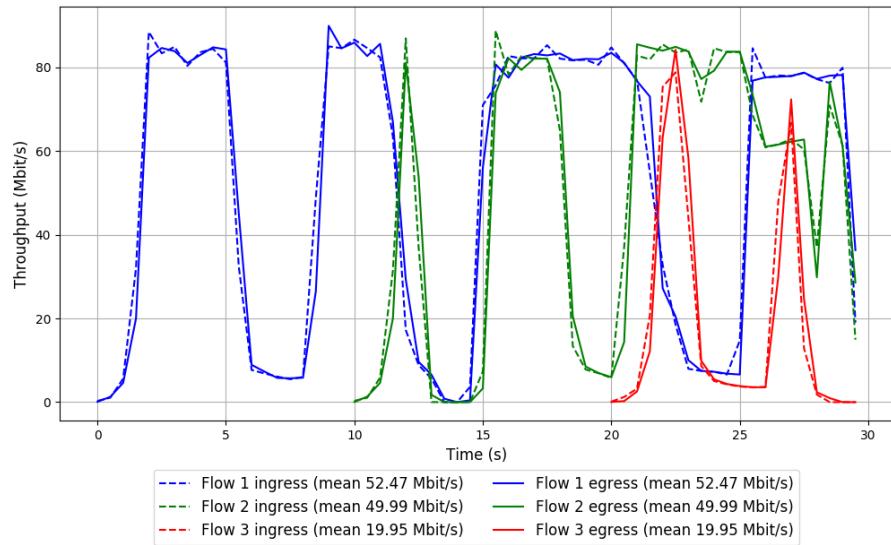
Run 4: Statistics of QUIC Cubic

Start at: 2017-09-22 03:49:49

End at: 2017-09-22 03:50:19

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 112.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 110.832 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 112.417 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 109.582 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link



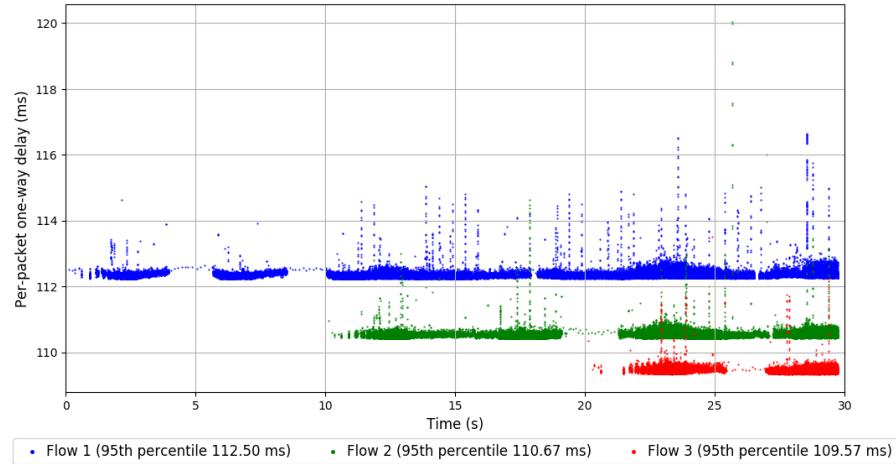
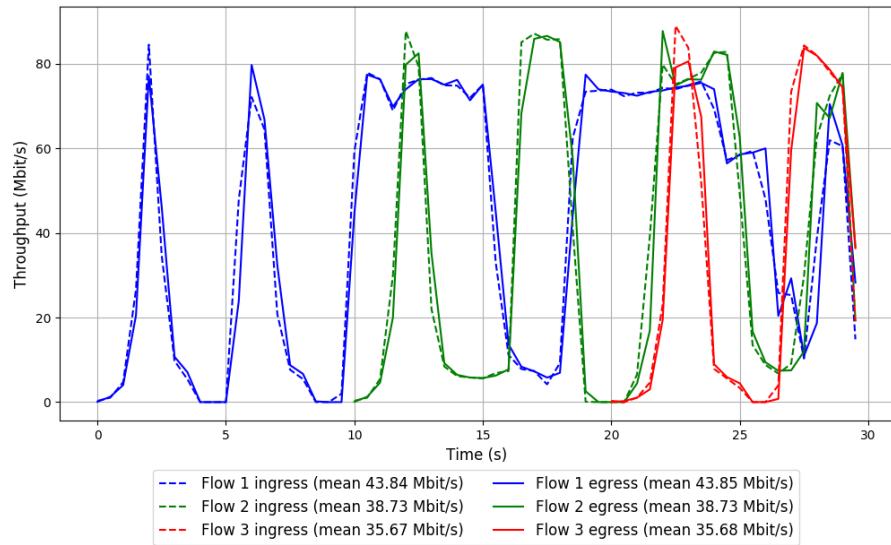
Run 5: Statistics of QUIC Cubic

Start at: 2017-09-22 04:03:13

End at: 2017-09-22 04:03:43

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 112.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 112.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 110.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 109.573 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link



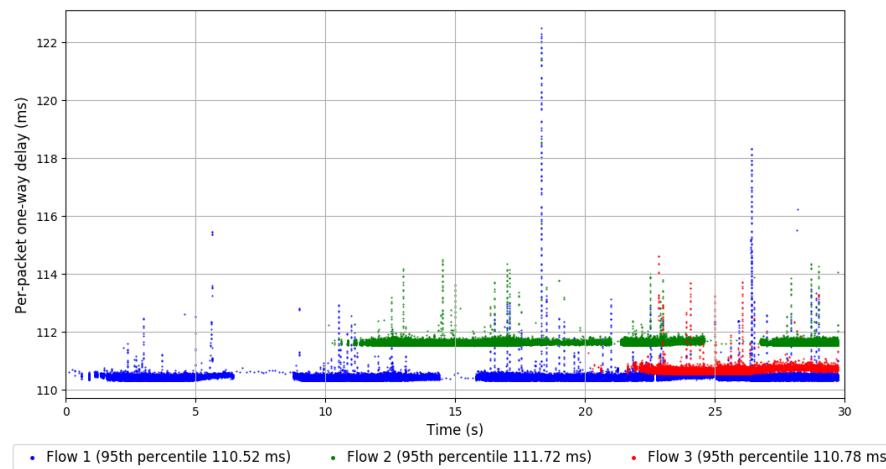
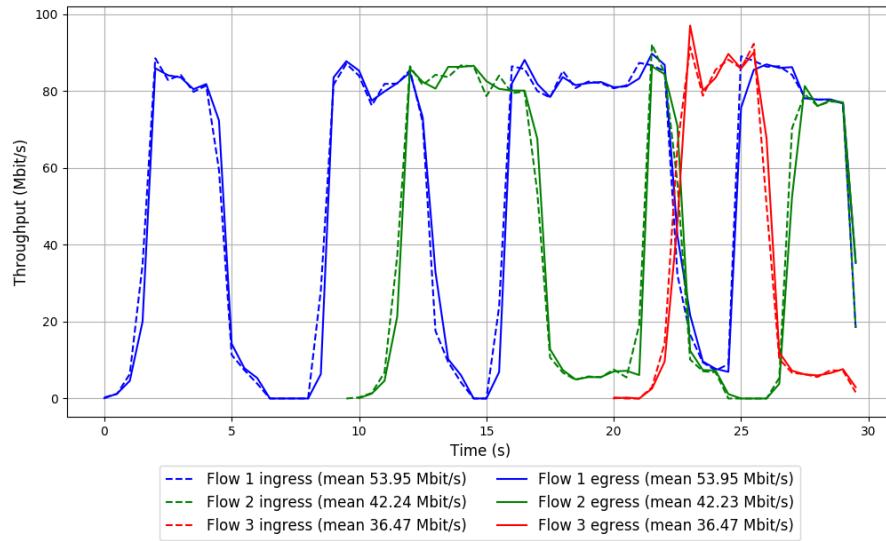
Run 6: Statistics of QUIC Cubic

Start at: 2017-09-22 04:17:06

End at: 2017-09-22 04:17:36

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 110.520 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 111.718 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 110.785 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link



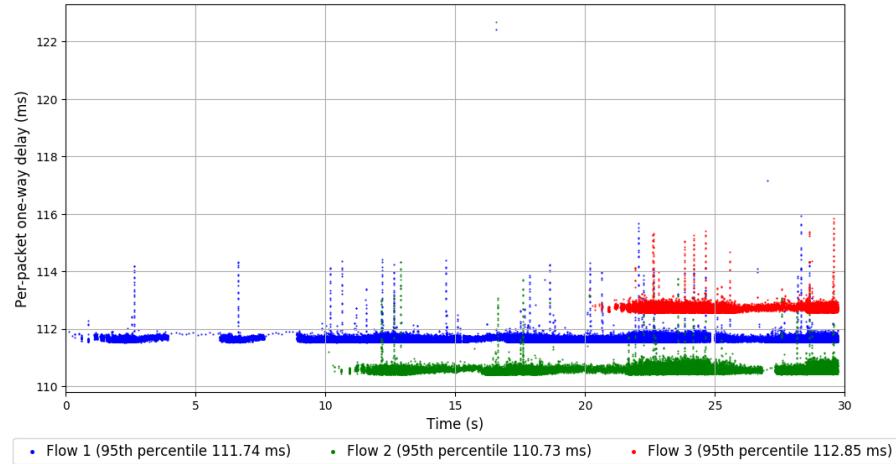
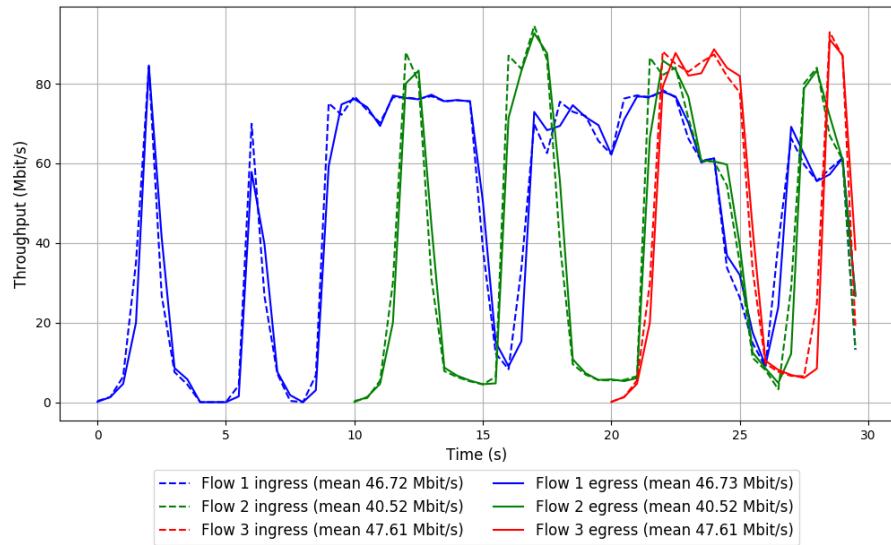
Run 7: Statistics of QUIC Cubic

Start at: 2017-09-22 04:30:57

End at: 2017-09-22 04:31:27

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 112.728 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 111.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 110.728 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 112.848 ms
Loss rate: 0.03%
```

Run 7: Report of QUIC Cubic — Data Link



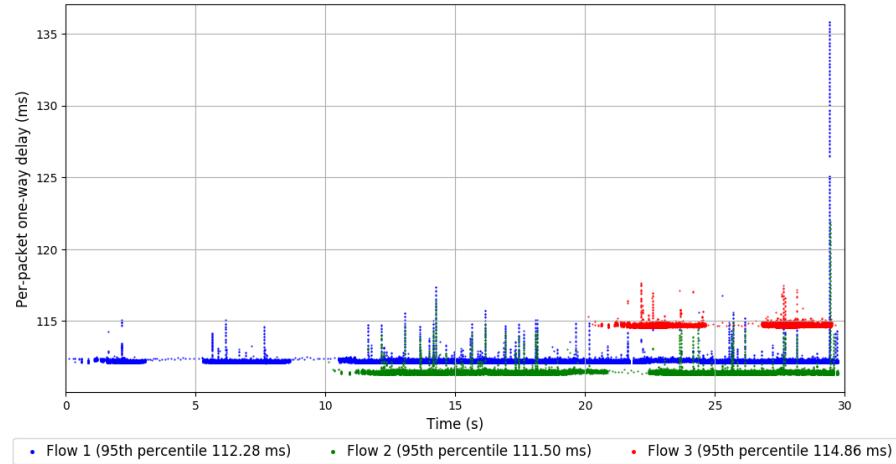
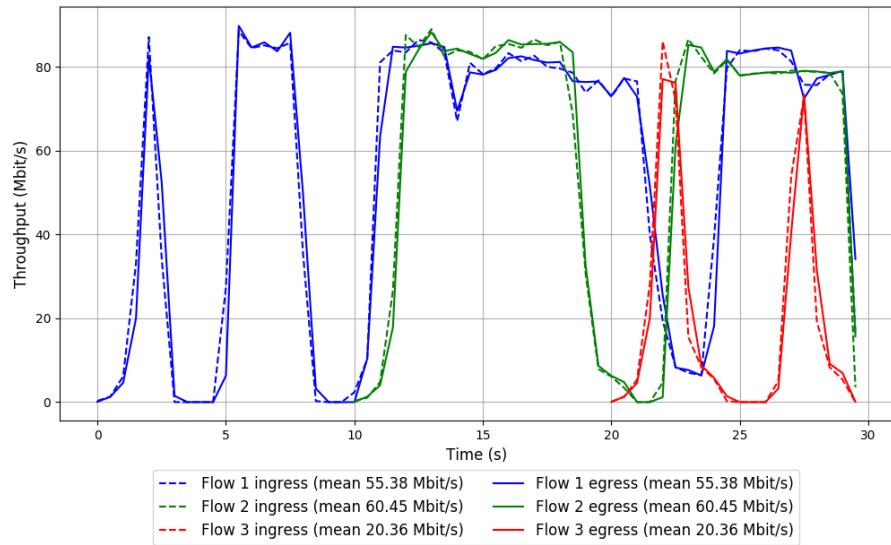
Run 8: Statistics of QUIC Cubic

Start at: 2017-09-22 04:44:52

End at: 2017-09-22 04:45:22

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.95 Mbit/s
95th percentile per-packet one-way delay: 114.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 112.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 111.500 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 114.857 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link



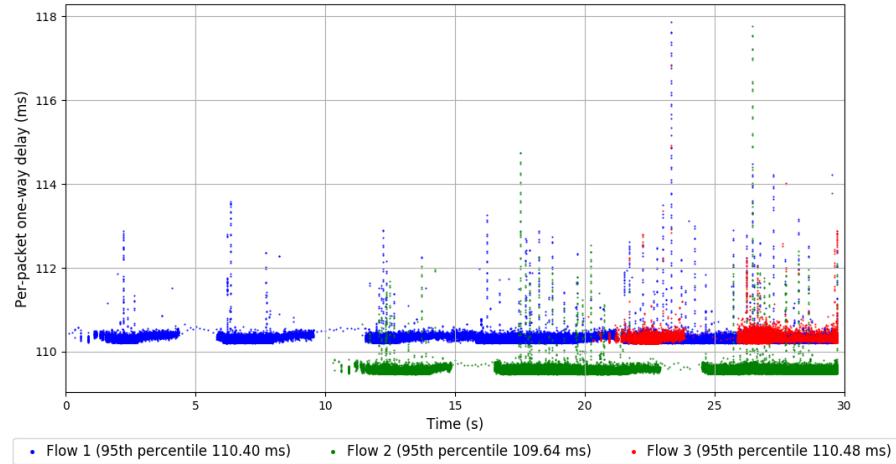
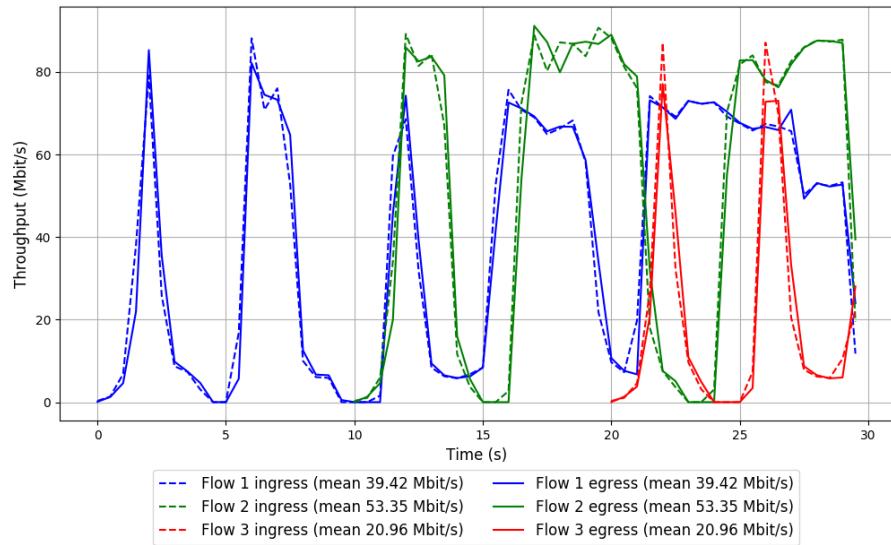
Run 9: Statistics of QUIC Cubic

Start at: 2017-09-22 04:58:04

End at: 2017-09-22 04:58:34

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 110.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 110.399 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 109.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 110.478 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link



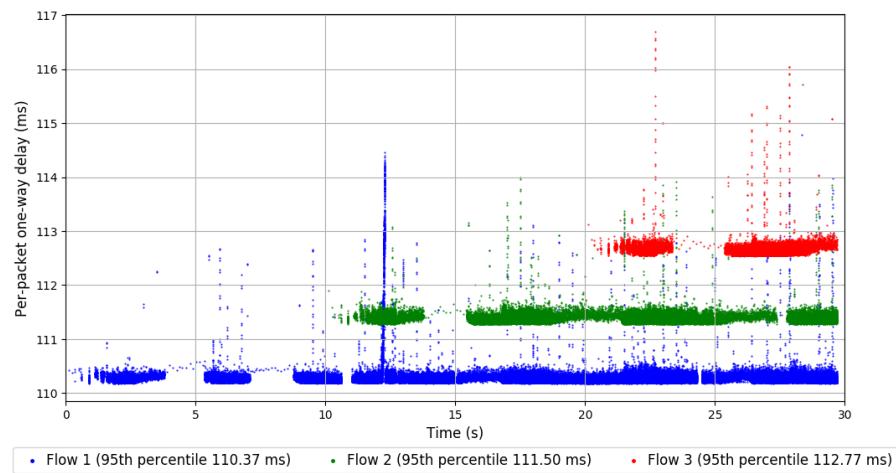
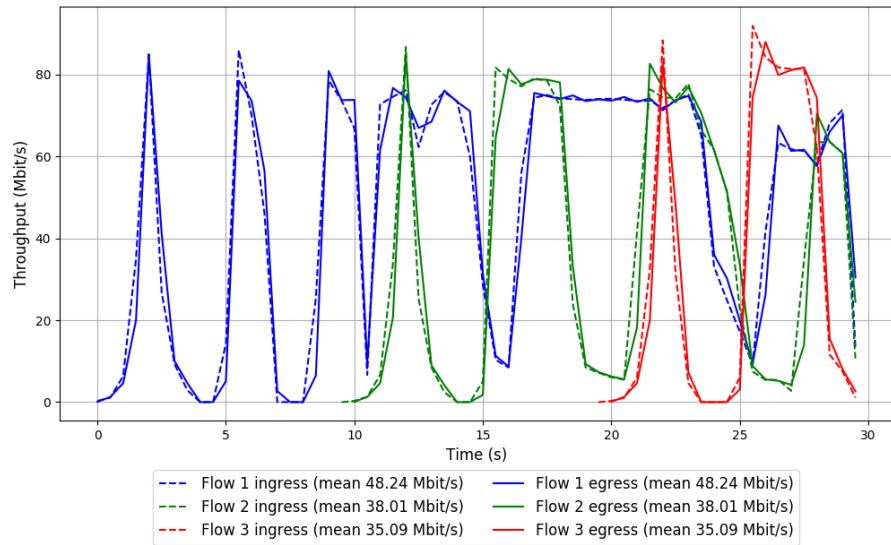
Run 10: Statistics of QUIC Cubic

Start at: 2017-09-22 05:11:06

End at: 2017-09-22 05:11:36

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 112.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 110.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 111.496 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 112.770 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

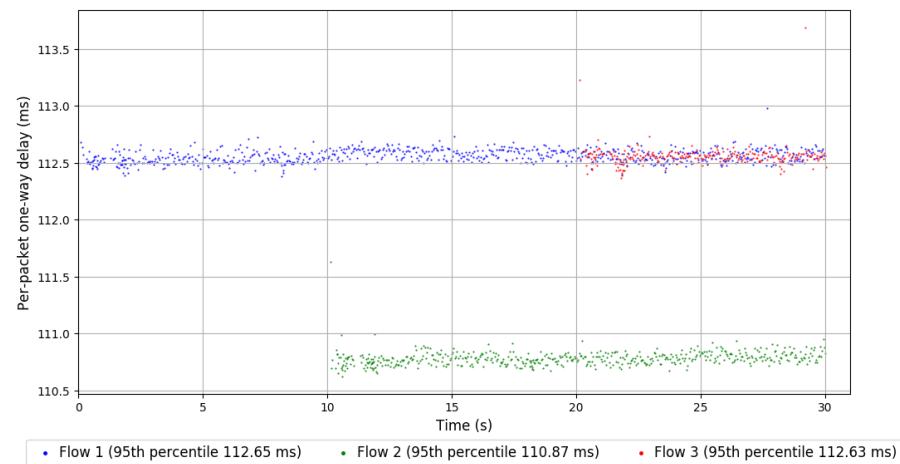
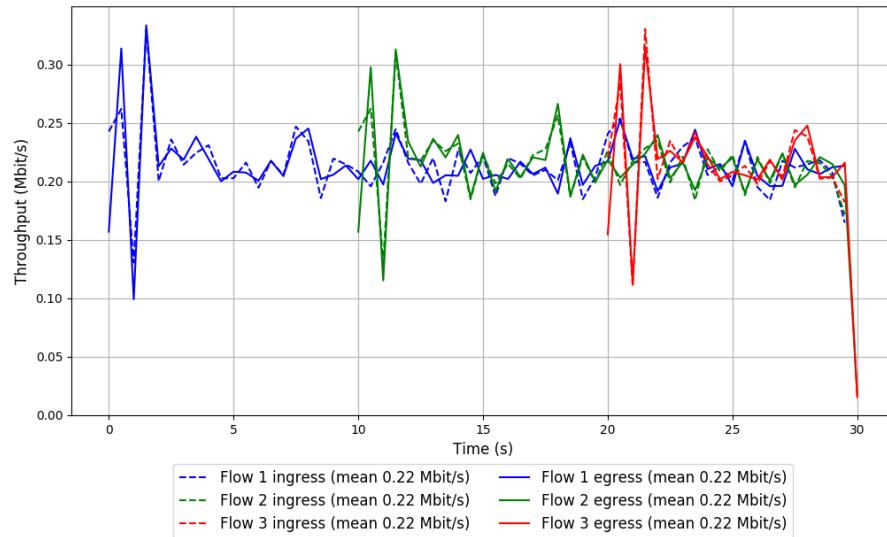


```
Run 1: Statistics of SCReAM

Start at: 2017-09-22 03:14:28
End at: 2017-09-22 03:14:58

# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.650 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.873 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.633 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link



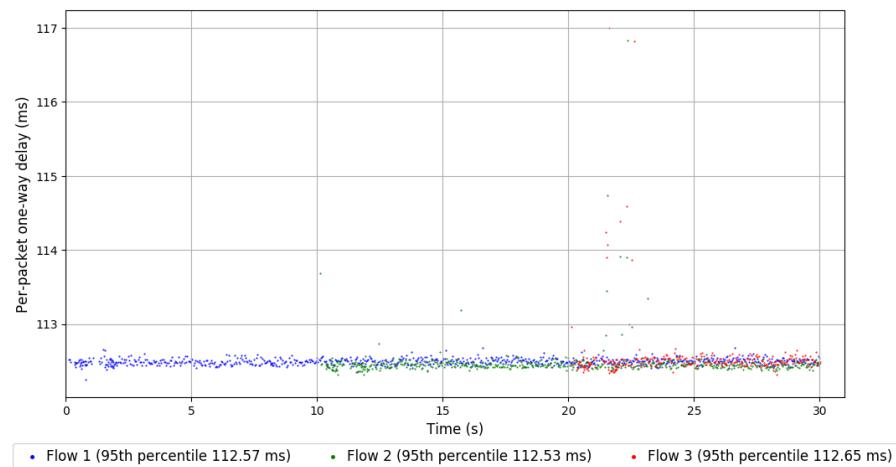
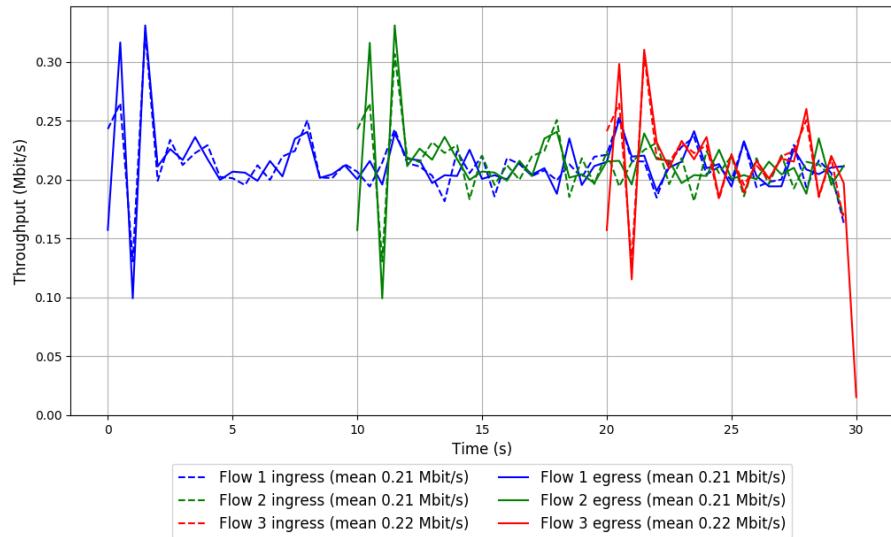
Run 2: Statistics of SCReAM

Start at: 2017-09-22 03:27:48

End at: 2017-09-22 03:28:18

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.567 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.535 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.648 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link



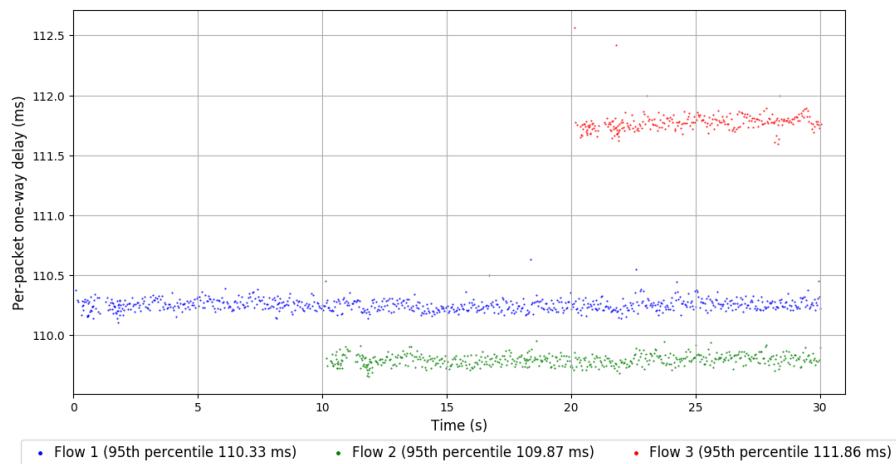
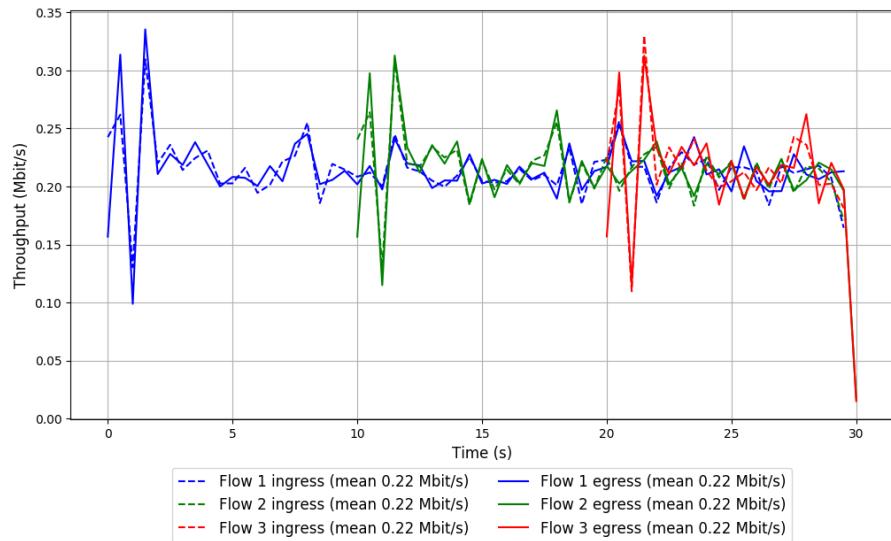
Run 3: Statistics of SCReAM

Start at: 2017-09-22 03:41:36

End at: 2017-09-22 03:42:06

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.873 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.865 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link



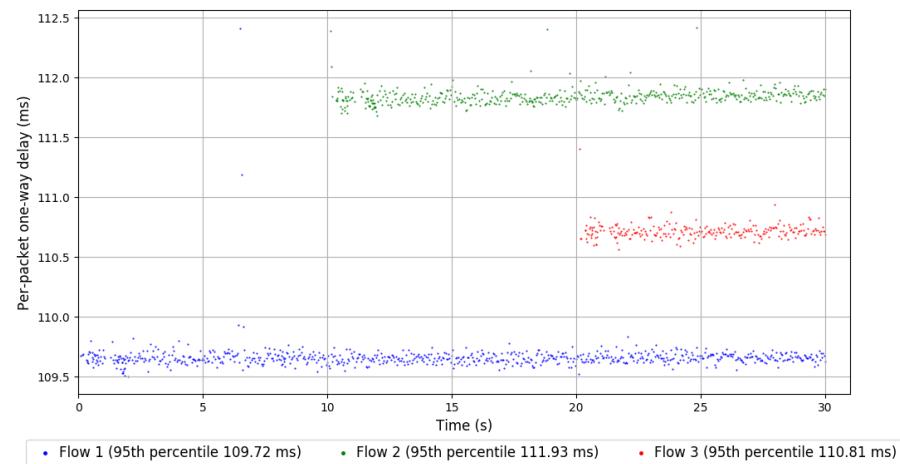
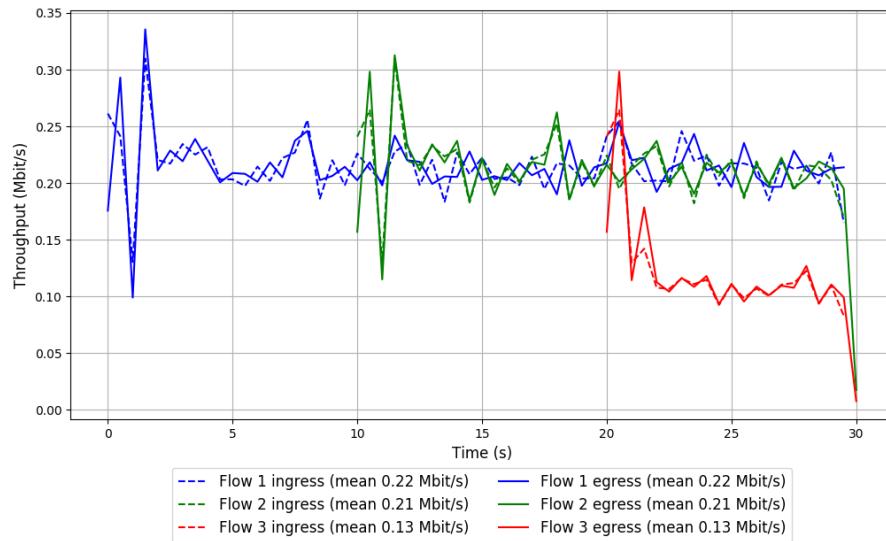
Run 4: Statistics of SCReAM

Start at: 2017-09-22 03:54:57

End at: 2017-09-22 03:55:27

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 110.806 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link



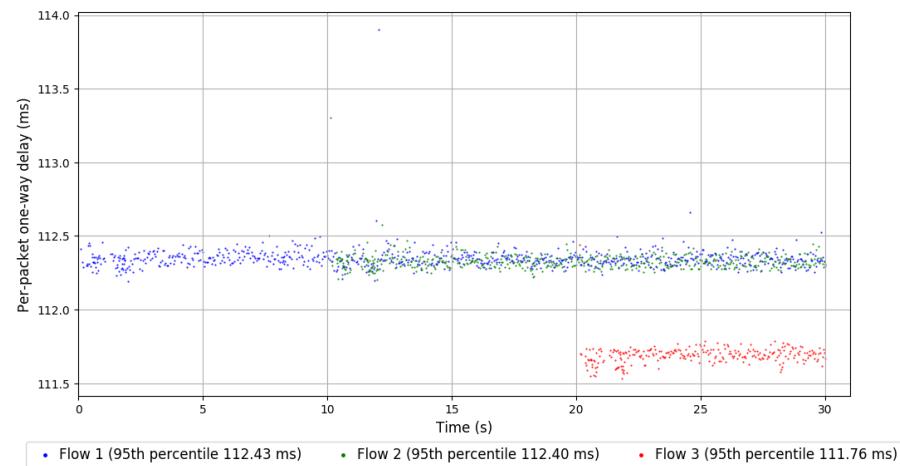
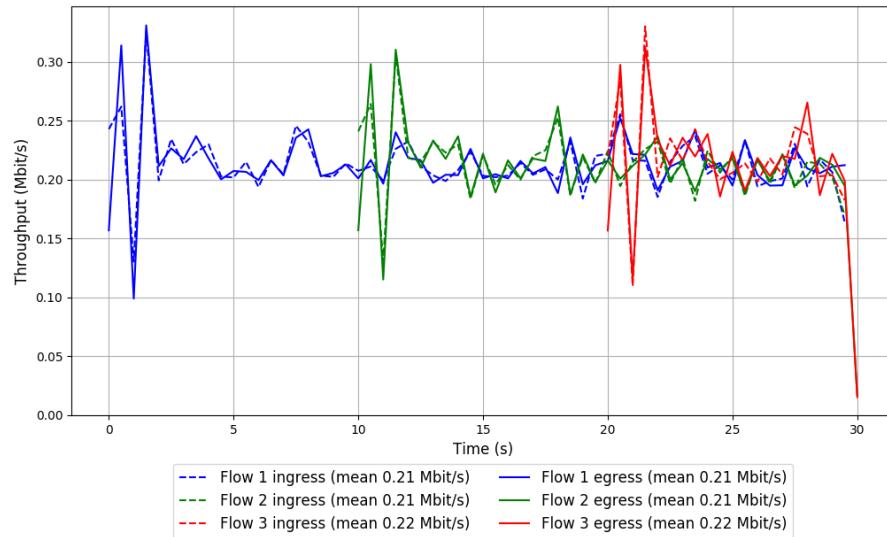
Run 5: Statistics of SCReAM

Start at: 2017-09-22 04:08:20

End at: 2017-09-22 04:08:50

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.397 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.762 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



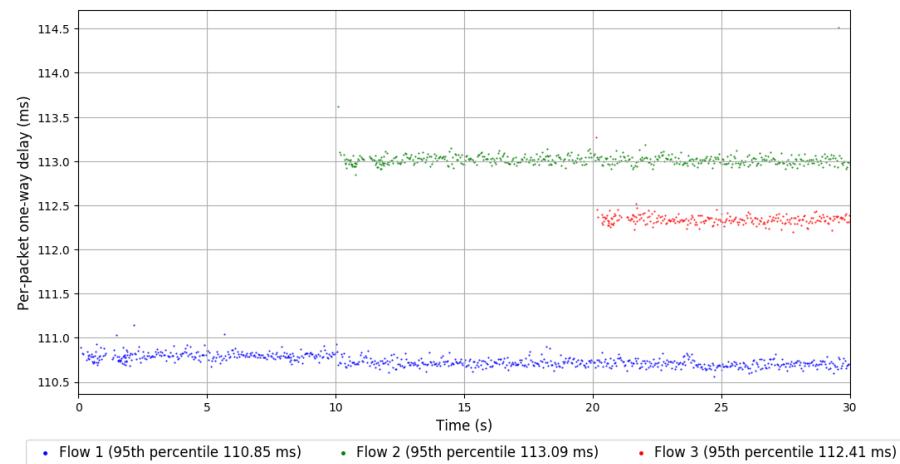
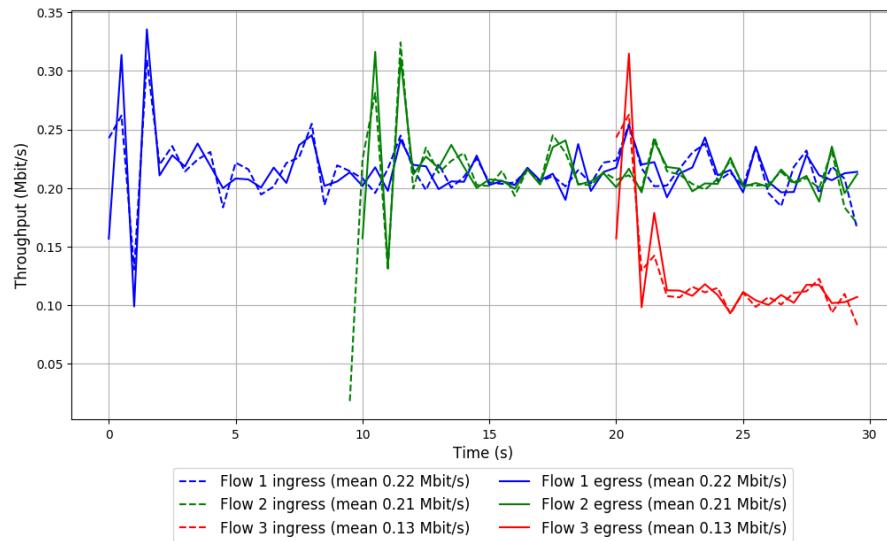
Run 6: Statistics of SCReAM

Start at: 2017-09-22 04:22:15

End at: 2017-09-22 04:22:45

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 113.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 112.414 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link



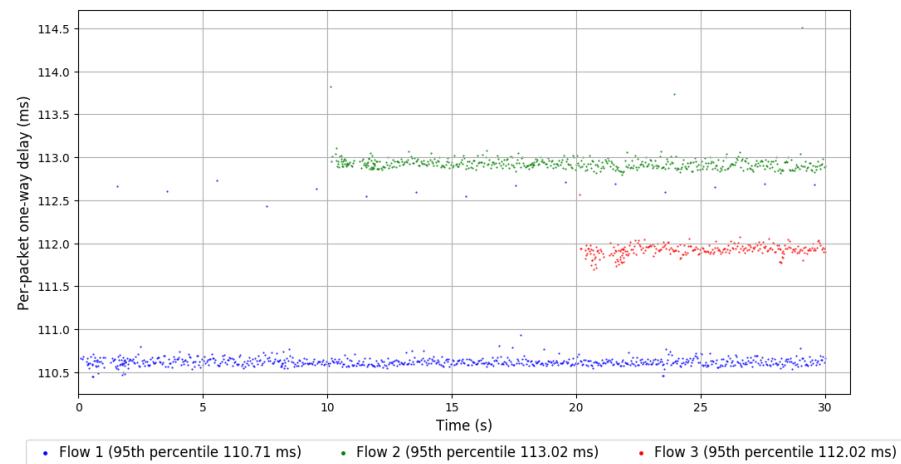
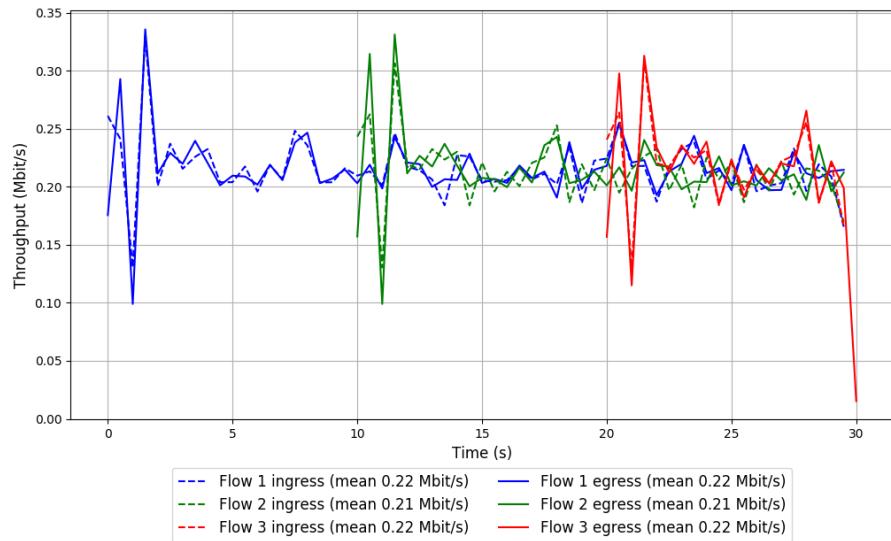
Run 7: Statistics of SCReAM

Start at: 2017-09-22 04:36:02

End at: 2017-09-22 04:36:32

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.712 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.020 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link



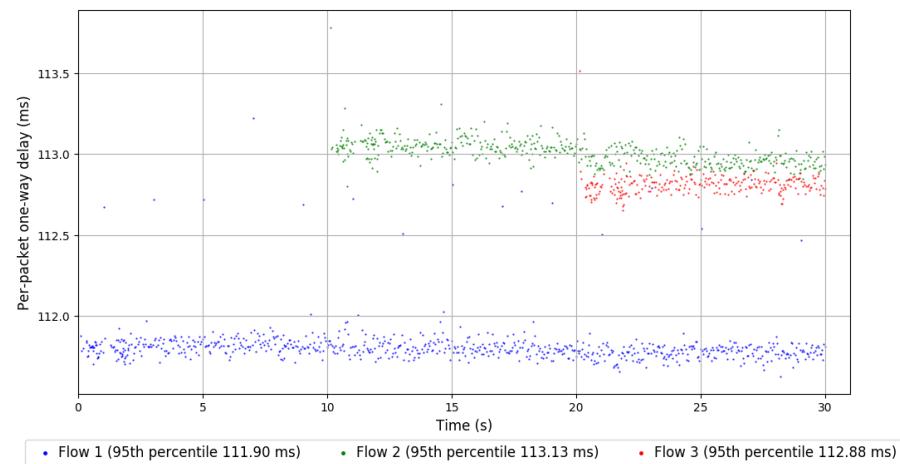
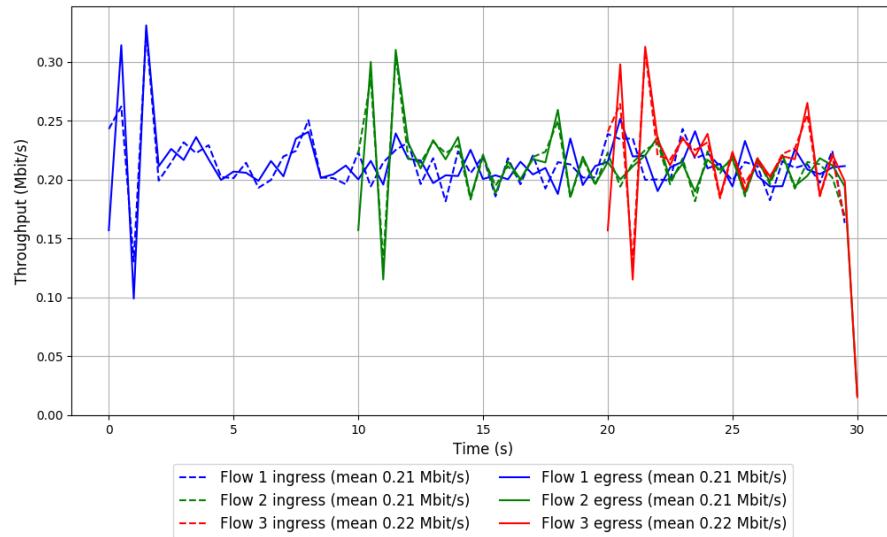
Run 8: Statistics of SCReAM

Start at: 2017-09-22 04:50:03

End at: 2017-09-22 04:50:33

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.898 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.882 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link



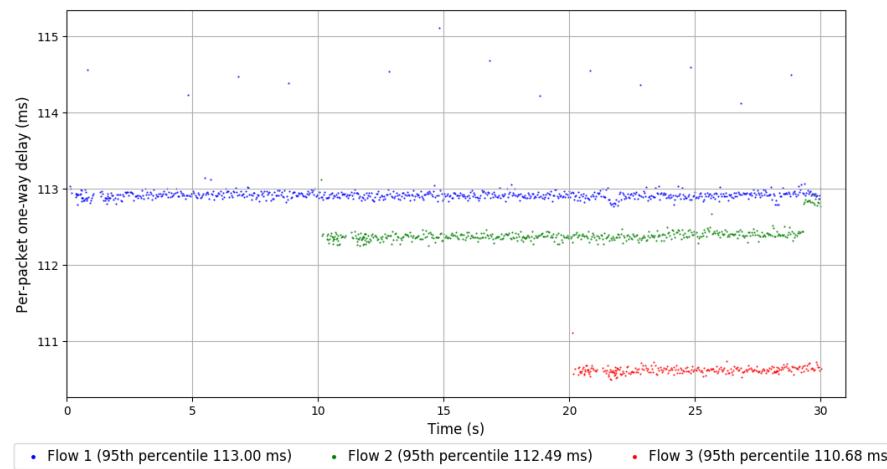
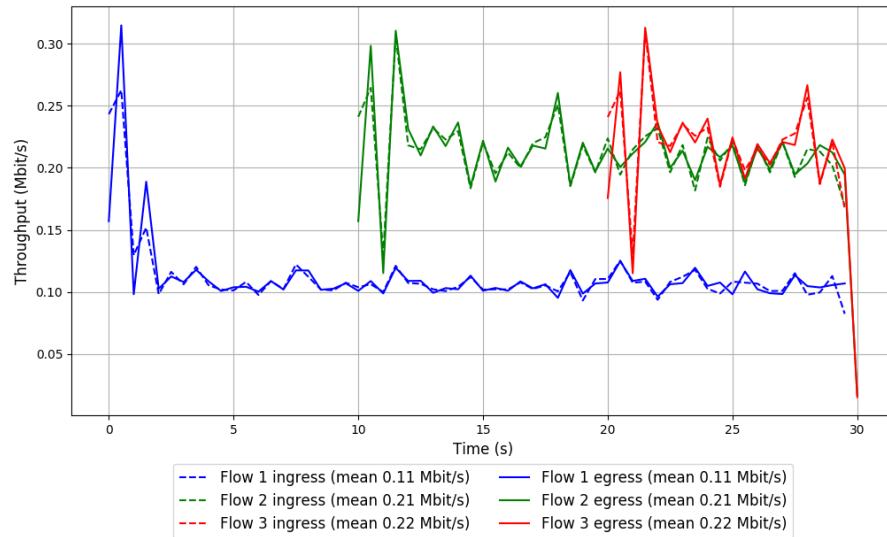
Run 9: Statistics of SCReAM

Start at: 2017-09-22 05:03:09

End at: 2017-09-22 05:03:39

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 112.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 113.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.486 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.682 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link



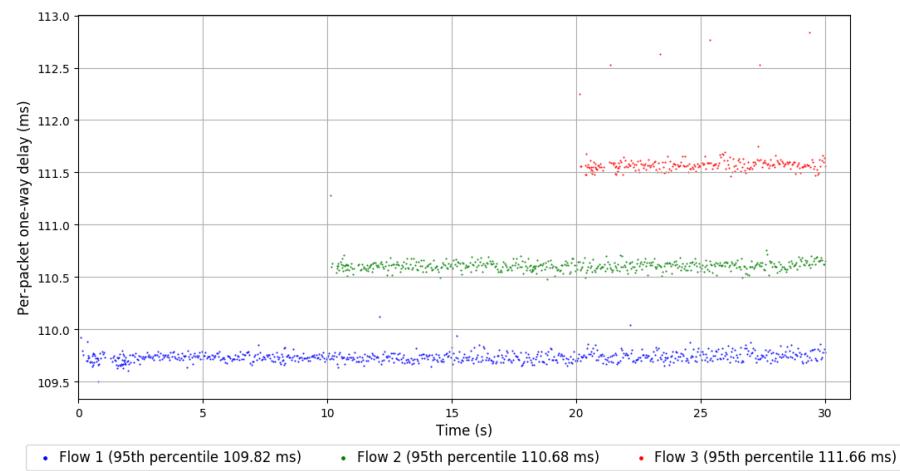
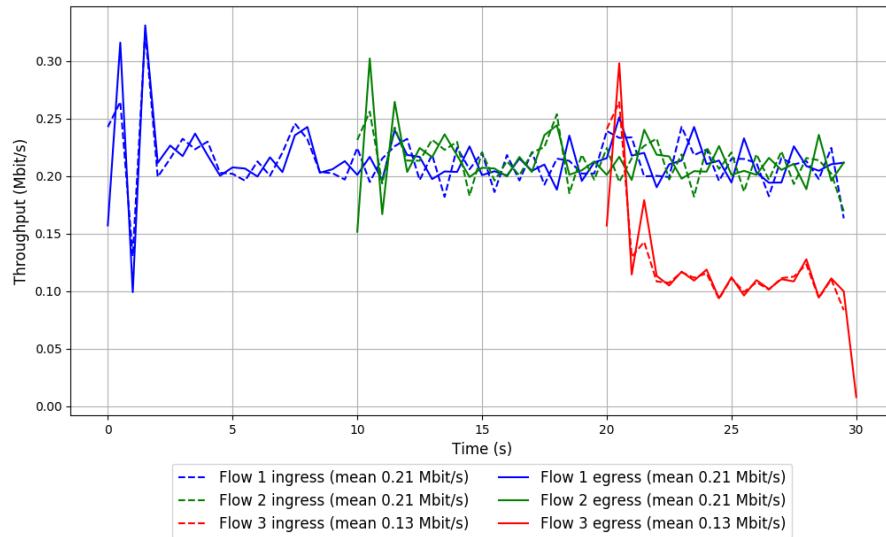
Run 10: Statistics of SCReAM

Start at: 2017-09-22 05:16:13

End at: 2017-09-22 05:16:43

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 109.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 111.661 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

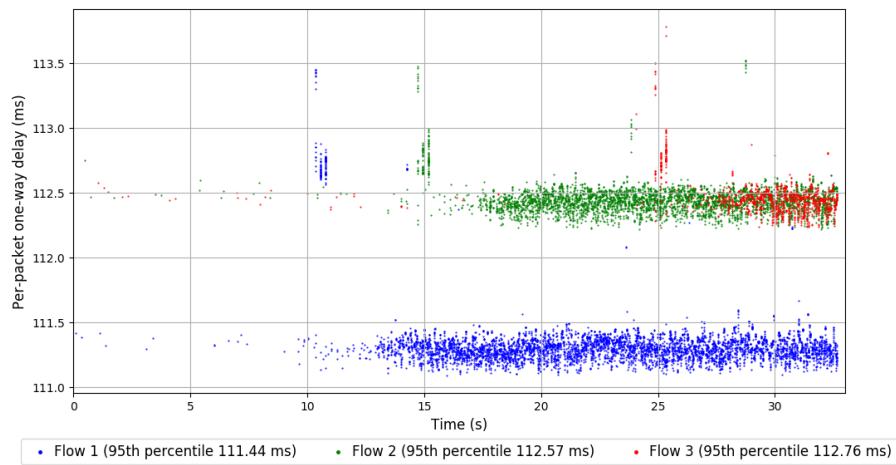
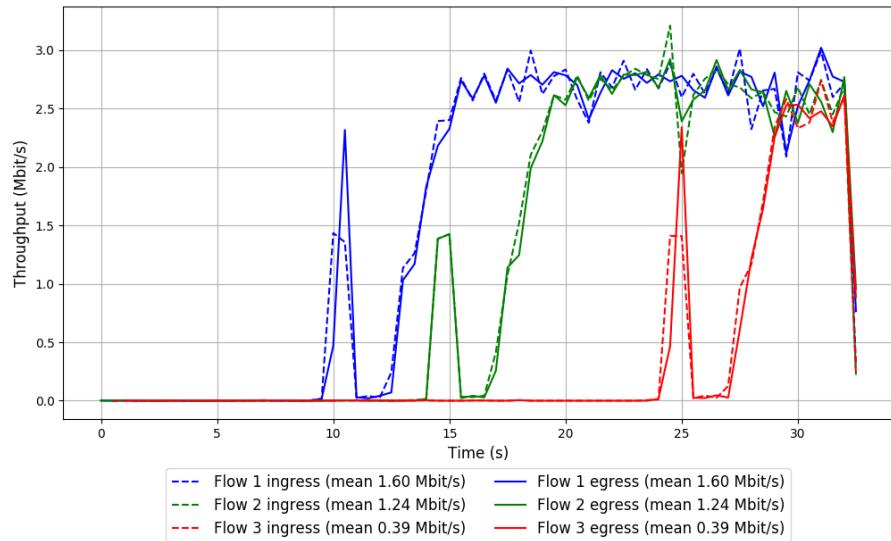


```
Run 1: Statistics of WebRTC media

Start at: 2017-09-22 03:13:42
End at: 2017-09-22 03:14:12

# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 112.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 111.441 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 112.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 112.759 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

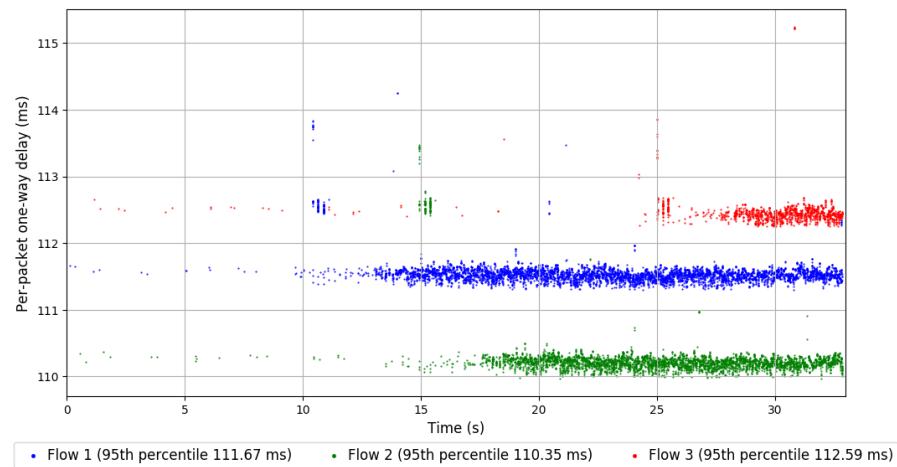
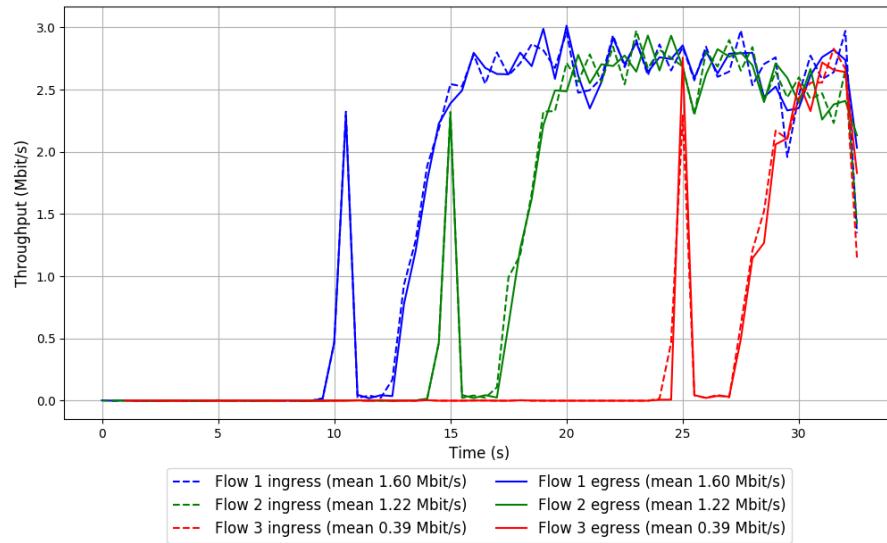


```
Run 2: Statistics of WebRTC media

Start at: 2017-09-22 03:27:02
End at: 2017-09-22 03:27:32

# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 112.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 111.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 110.353 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 112.589 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

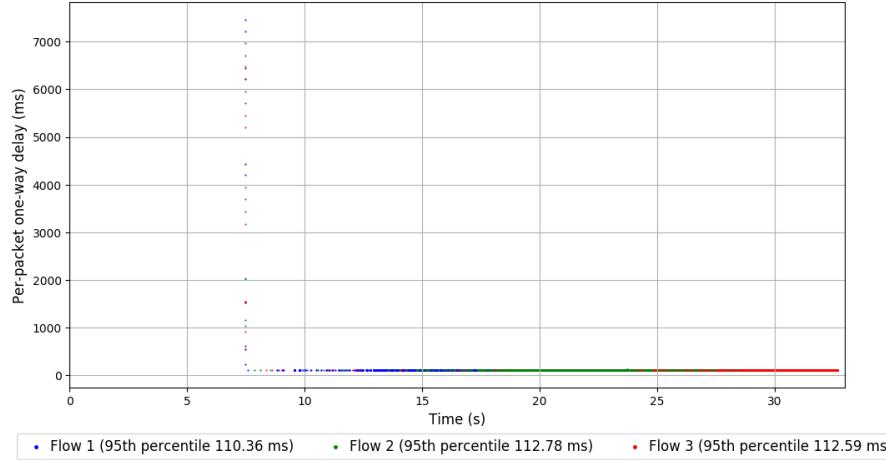
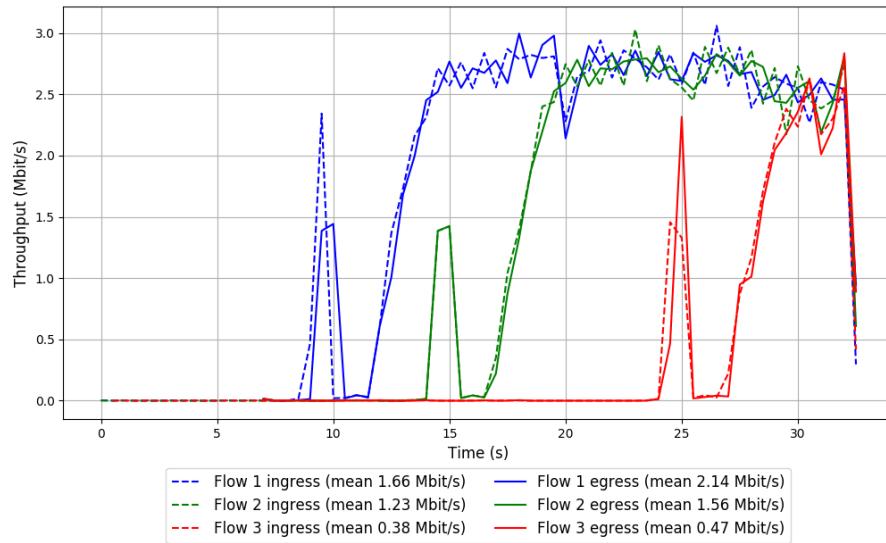


```
Run 3: Statistics of WebRTC media

Start at: 2017-09-22 03:40:50
End at: 2017-09-22 03:41:20

# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 112.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 110.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 112.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 112.595 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link



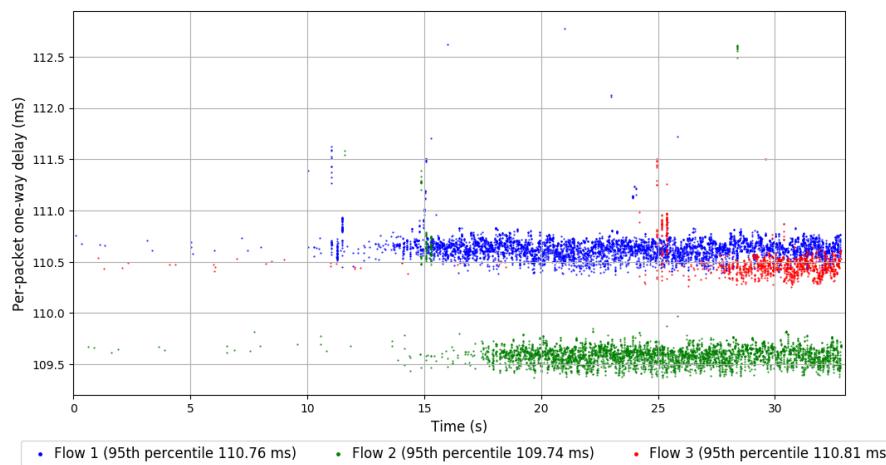
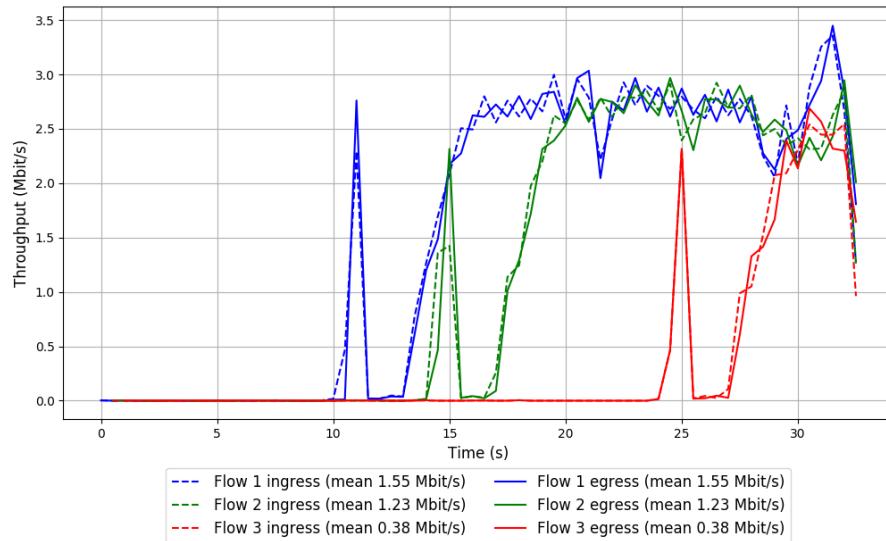
Run 4: Statistics of WebRTC media

Start at: 2017-09-22 03:54:11

End at: 2017-09-22 03:54:41

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 110.736 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 110.763 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 109.741 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 110.806 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

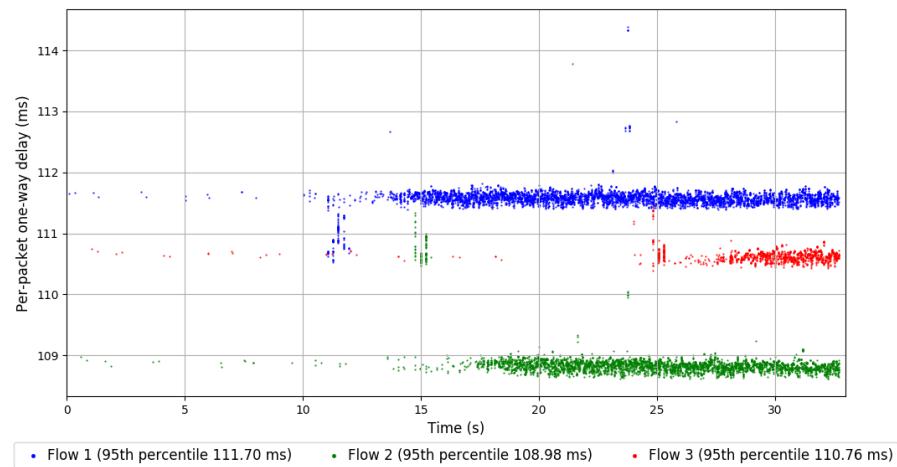
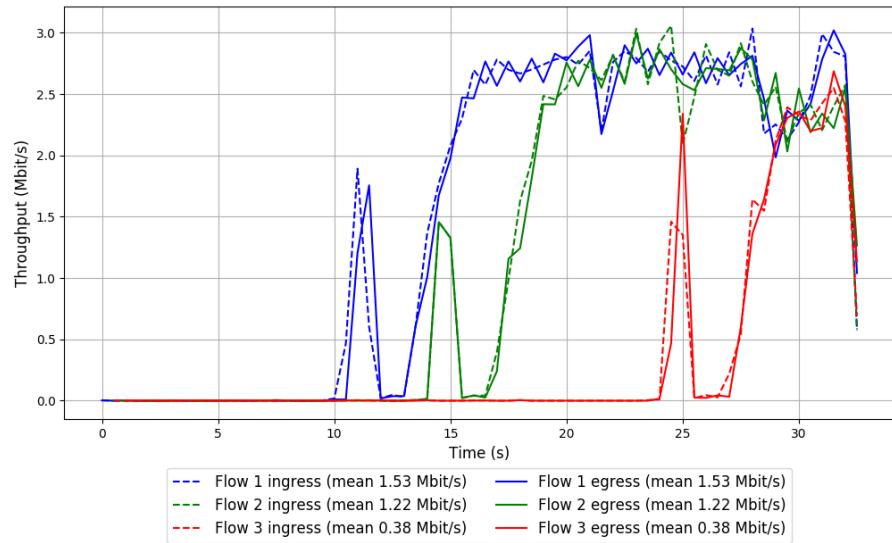


```
Run 5: Statistics of WebRTC media

Start at: 2017-09-22 04:07:34
End at: 2017-09-22 04:08:04

# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 111.676 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 111.702 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 108.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 110.759 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link



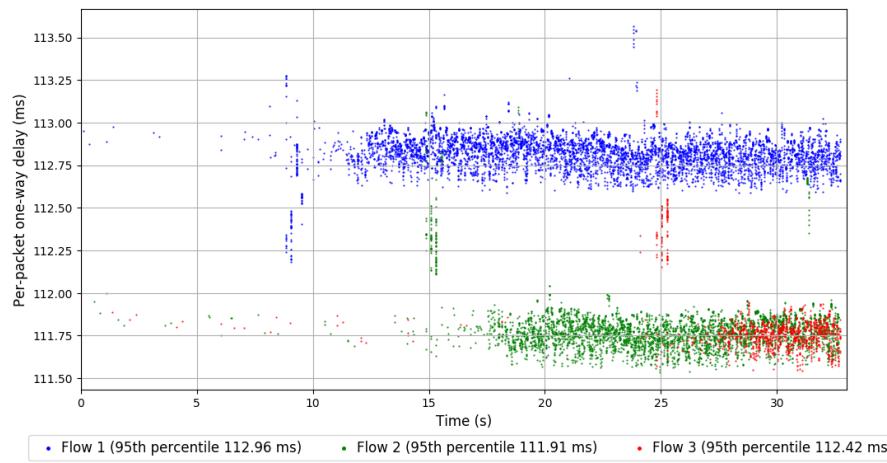
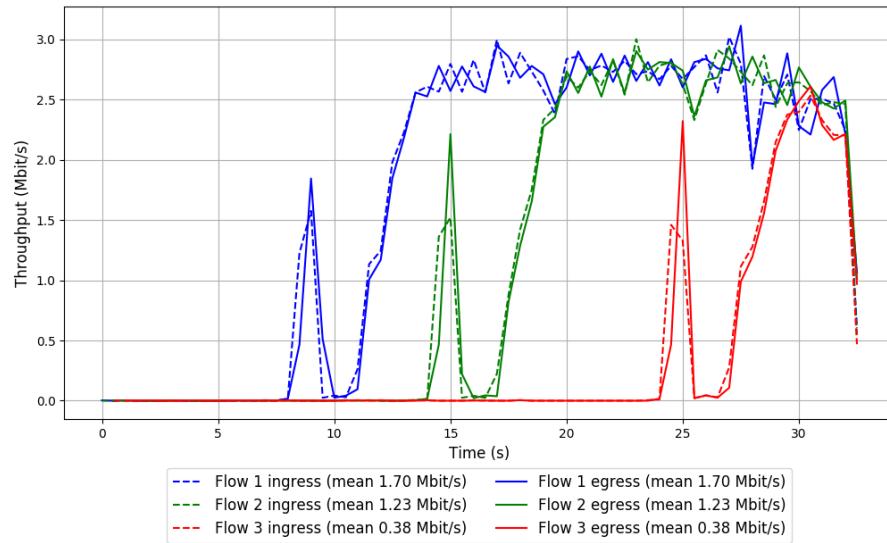
Run 6: Statistics of WebRTC media

Start at: 2017-09-22 04:21:29

End at: 2017-09-22 04:21:59

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 112.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 112.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 111.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 112.419 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link



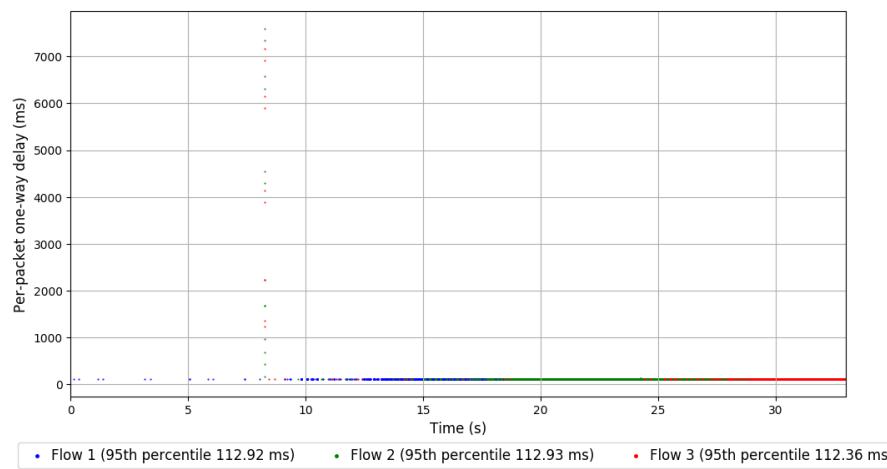
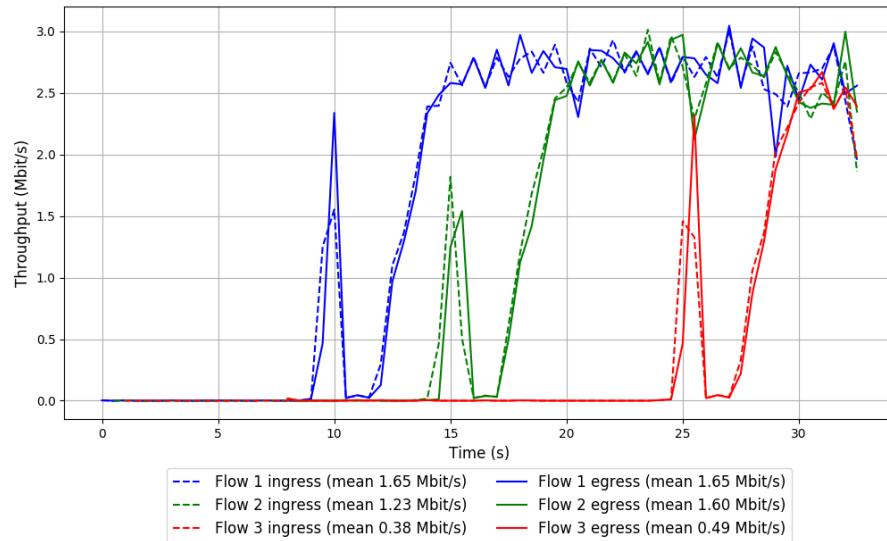
Run 7: Statistics of WebRTC media

Start at: 2017-09-22 04:35:15

End at: 2017-09-22 04:35:45

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 112.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 112.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 112.933 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 112.358 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link



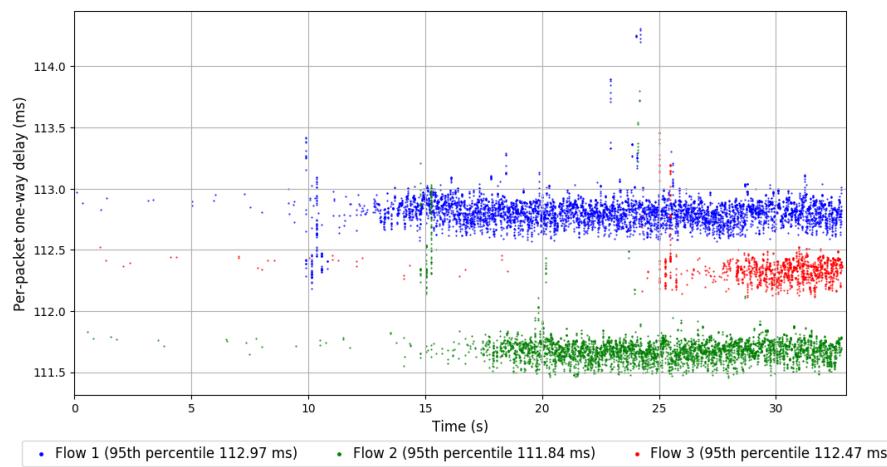
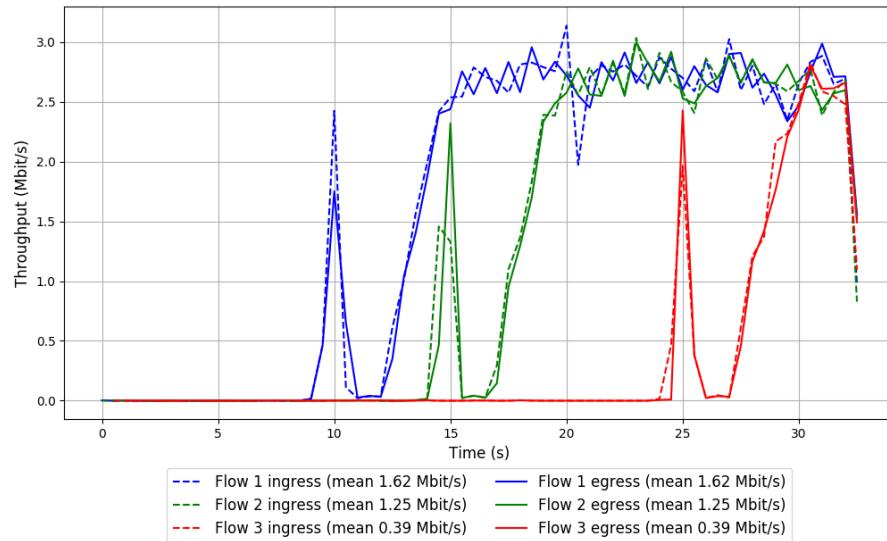
Run 8: Statistics of WebRTC media

Start at: 2017-09-22 04:49:16

End at: 2017-09-22 04:49:46

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 112.924 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 112.965 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 111.837 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 112.468 ms
Loss rate: 0.01%
```

Run 8: Report of WebRTC media — Data Link



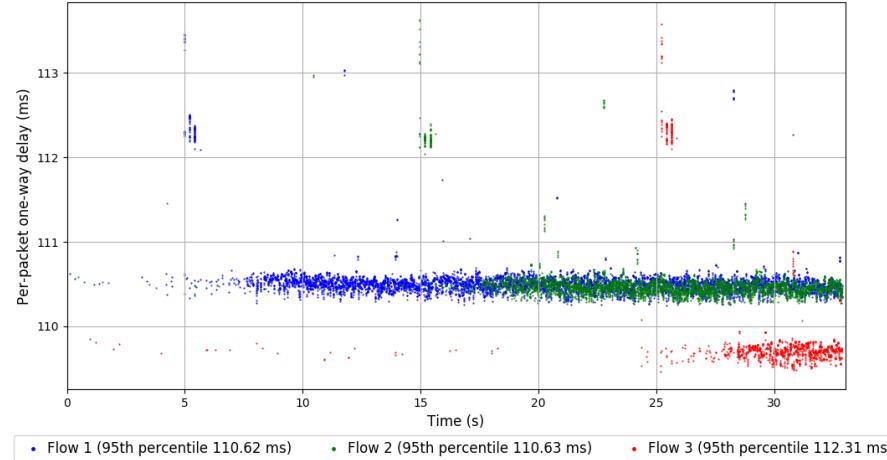
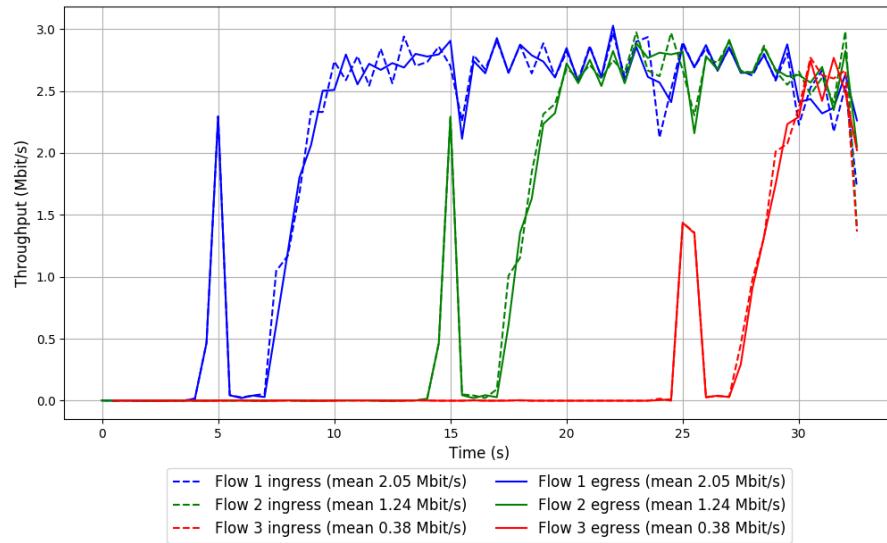
Run 9: Statistics of WebRTC media

Start at: 2017-09-22 05:02:22

End at: 2017-09-22 05:02:52

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 110.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 110.625 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 110.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 112.305 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



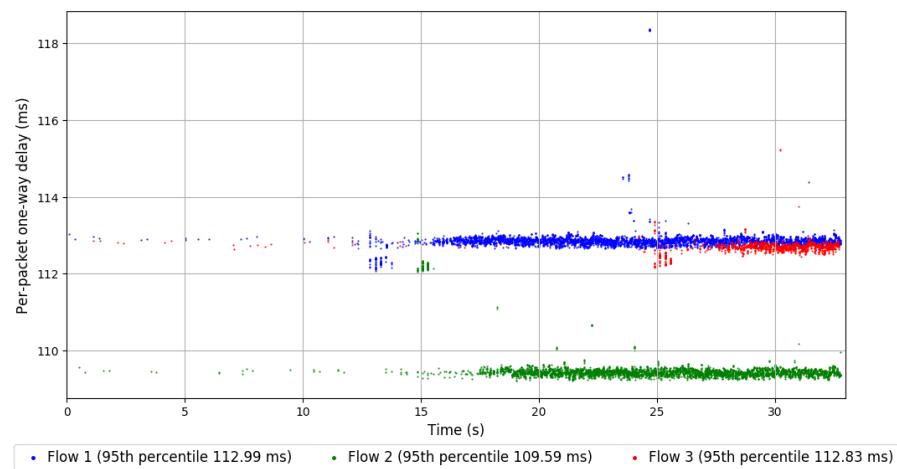
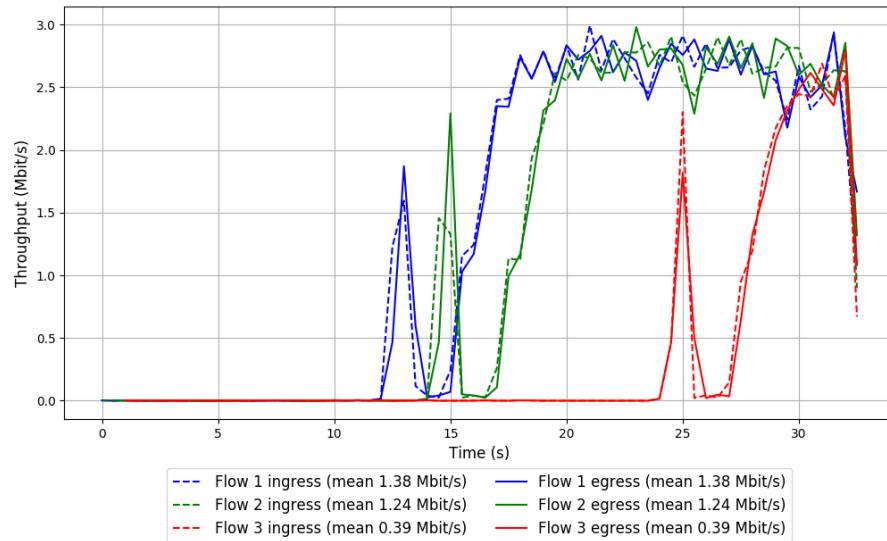
Run 10: Statistics of WebRTC media

Start at: 2017-09-22 05:15:26

End at: 2017-09-22 05:15:56

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 112.954 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 112.991 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 109.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 112.827 ms
Loss rate: 0.08%
```

Run 10: Report of WebRTC media — Data Link



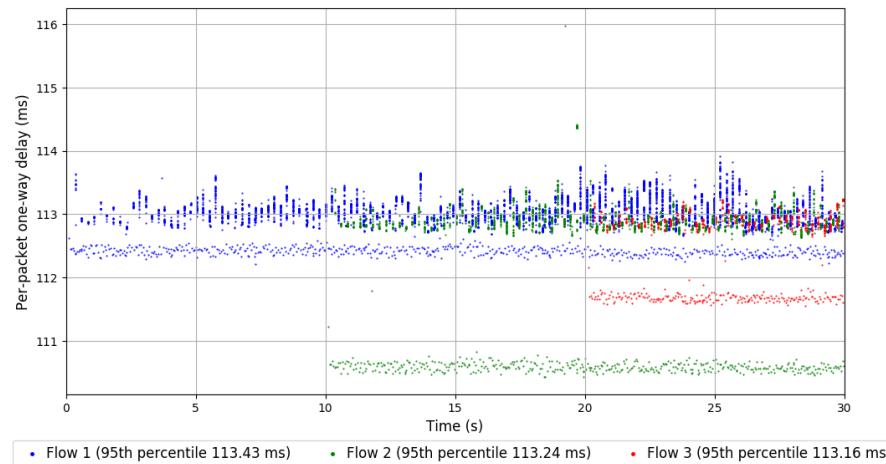
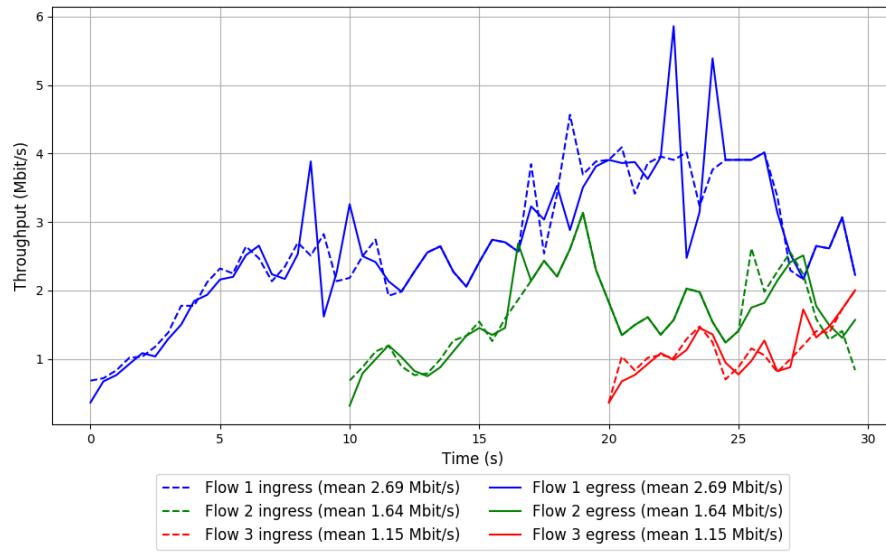
Run 1: Statistics of Sprout

Start at: 2017-09-22 03:12:00

End at: 2017-09-22 03:12:30

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 113.386 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 113.428 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 113.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 113.156 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



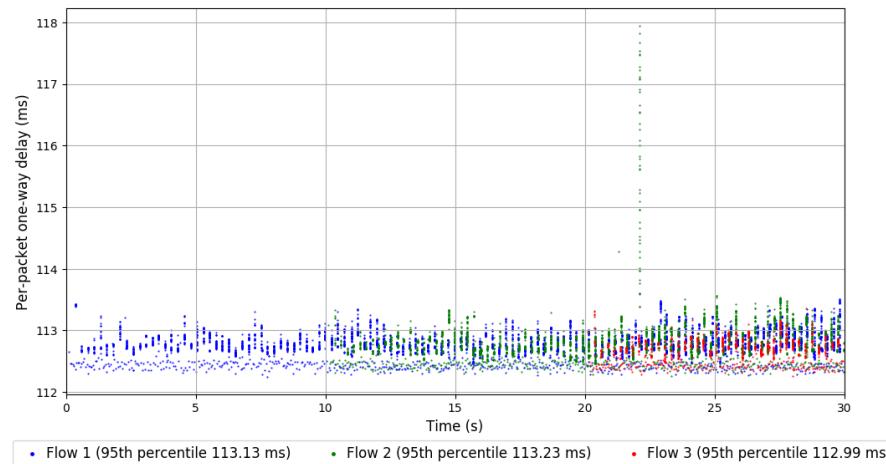
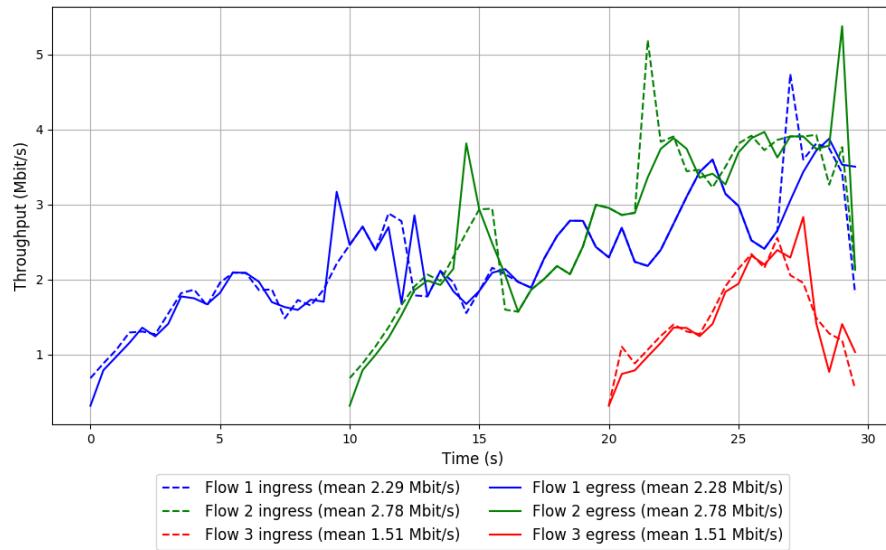
Run 2: Statistics of Sprout

Start at: 2017-09-22 03:25:20

End at: 2017-09-22 03:25:50

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 113.179 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 113.133 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 113.227 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 112.990 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



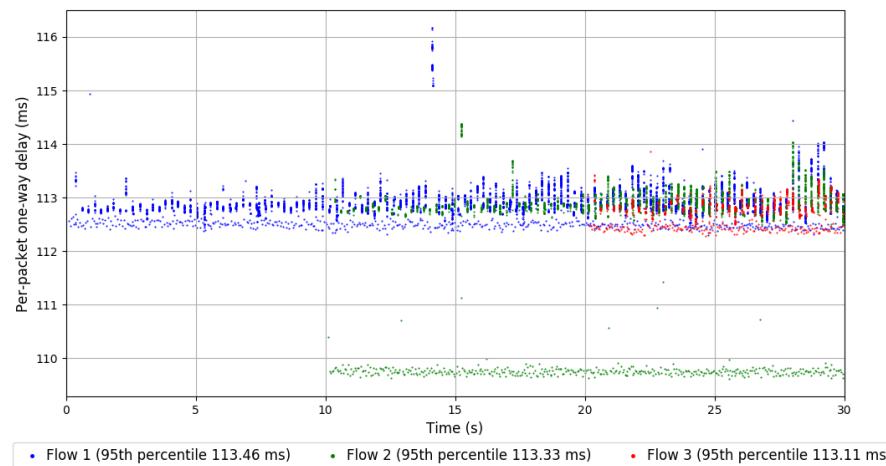
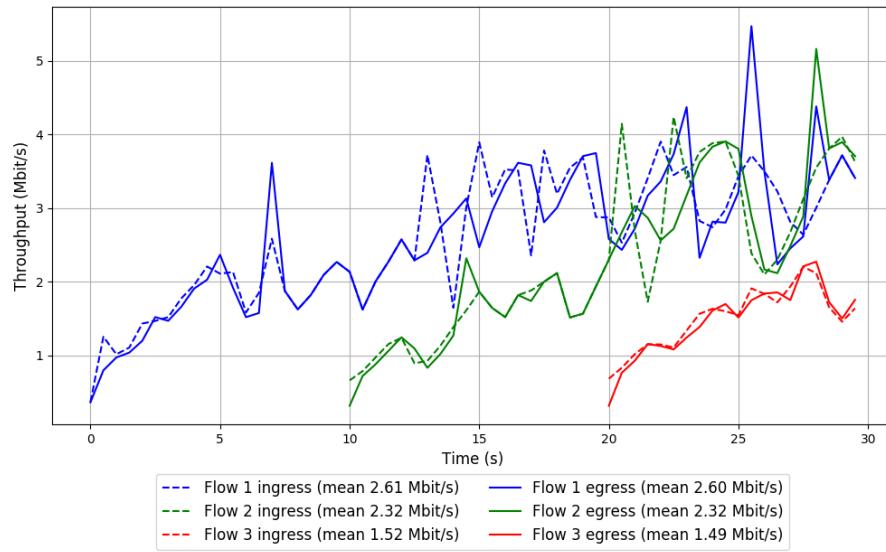
Run 3: Statistics of Sprout

Start at: 2017-09-22 03:39:07

End at: 2017-09-22 03:39:37

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 113.378 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 113.459 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 113.332 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 113.112 ms
Loss rate: 2.05%
```

Run 3: Report of Sprout — Data Link



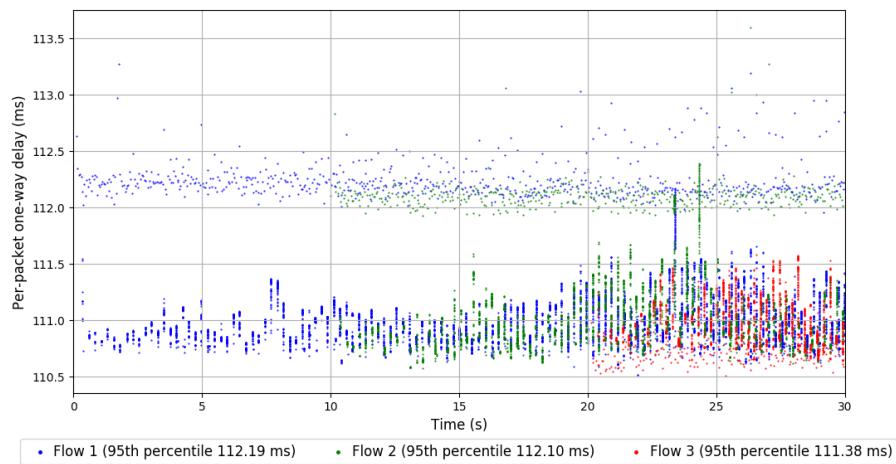
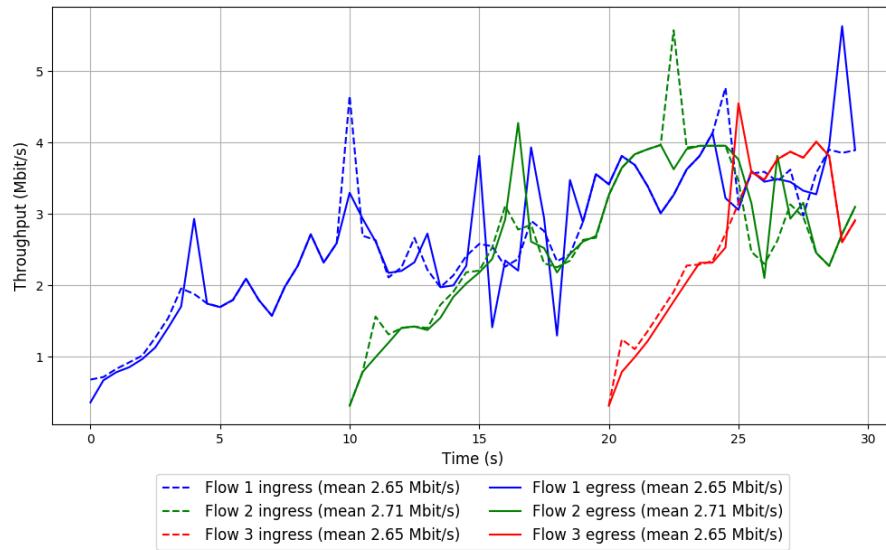
Run 4: Statistics of Sprout

Start at: 2017-09-22 03:52:29

End at: 2017-09-22 03:52:59

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 112.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 112.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 112.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 111.382 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



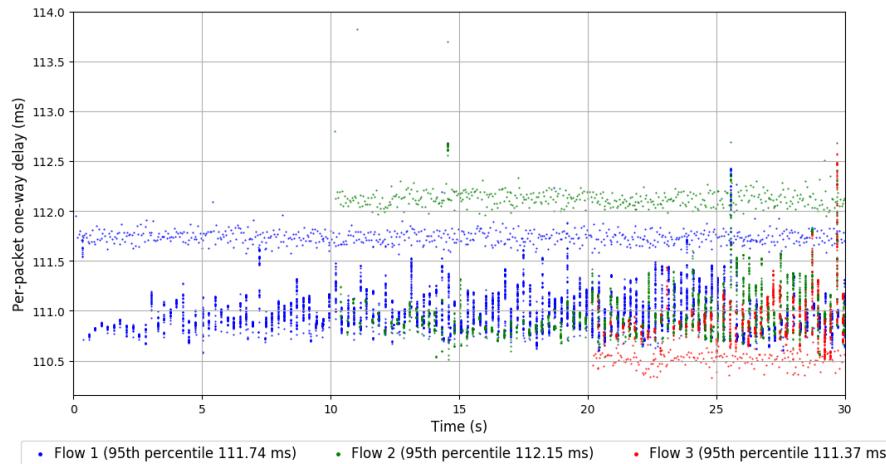
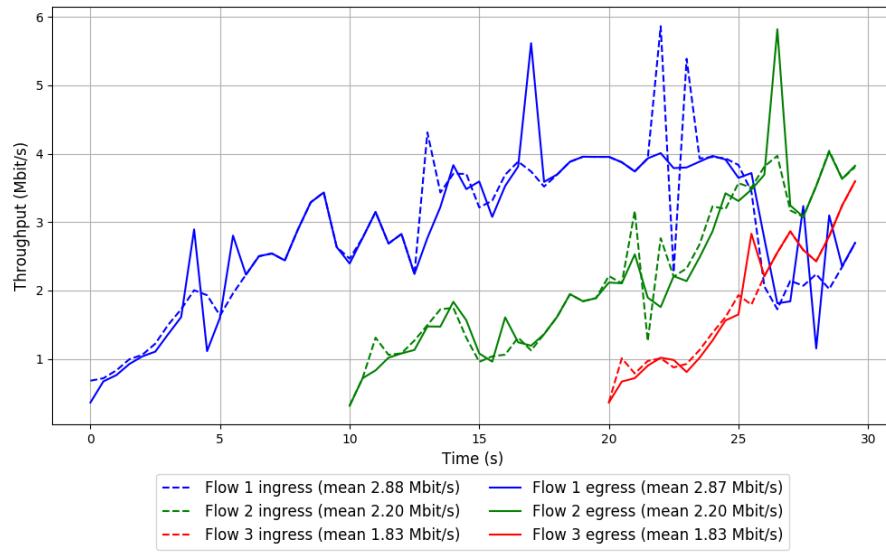
Run 5: Statistics of Sprout

Start at: 2017-09-22 04:05:53

End at: 2017-09-22 04:06:23

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.93 Mbit/s
95th percentile per-packet one-way delay: 111.818 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 111.738 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 112.149 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 111.366 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



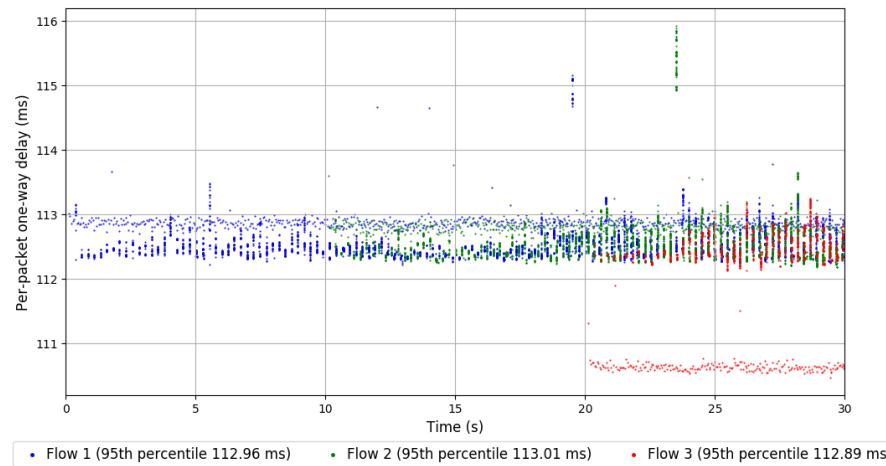
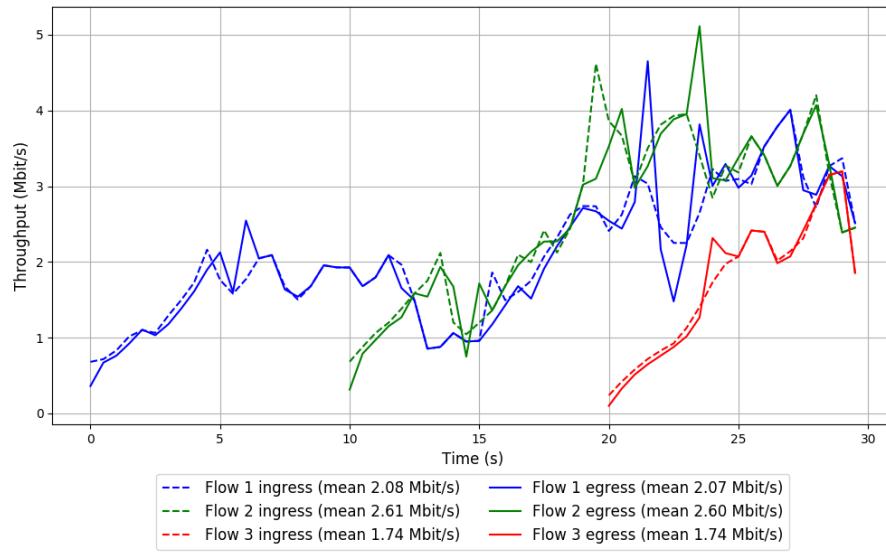
Run 6: Statistics of Sprout

Start at: 2017-09-22 04:19:46

End at: 2017-09-22 04:20:16

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 112.964 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 112.957 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 113.012 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 112.888 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



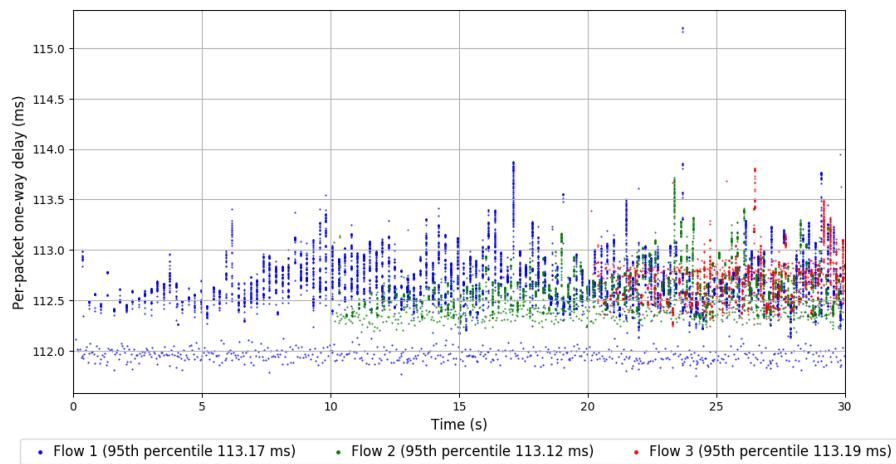
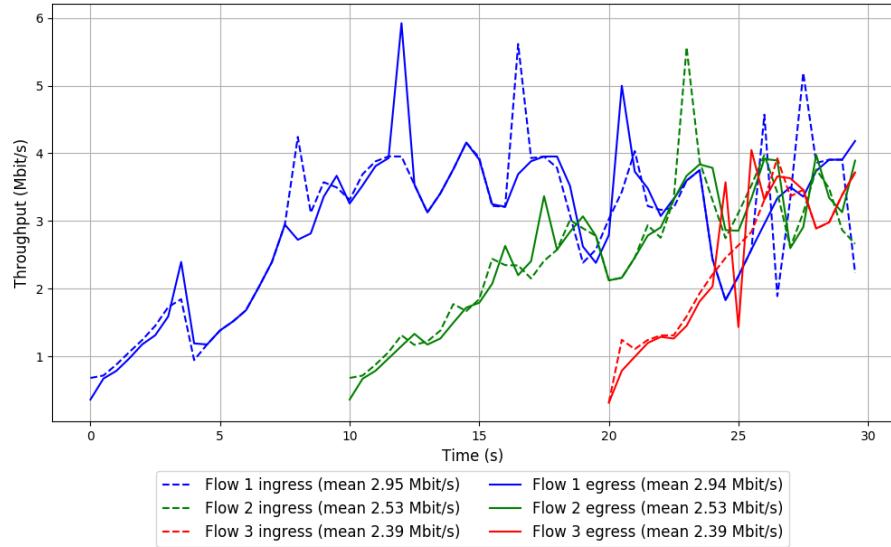
Run 7: Statistics of Sprout

Start at: 2017-09-22 04:33:33

End at: 2017-09-22 04:34:03

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 113.163 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 113.171 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 113.121 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 113.191 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



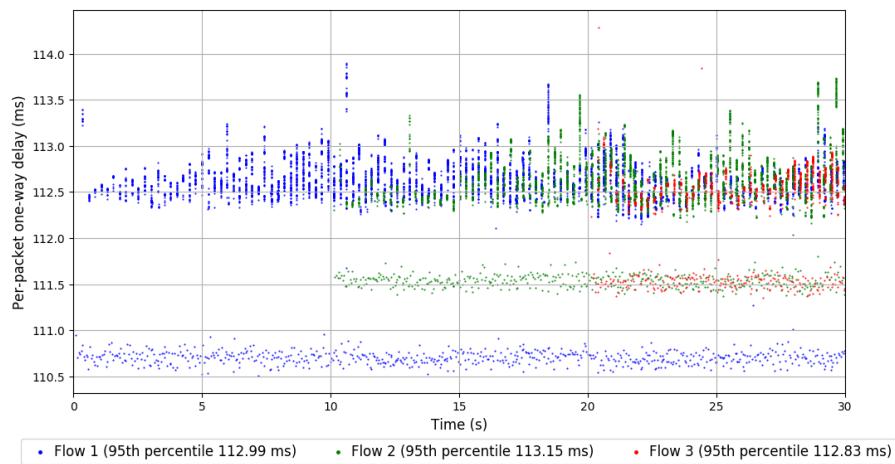
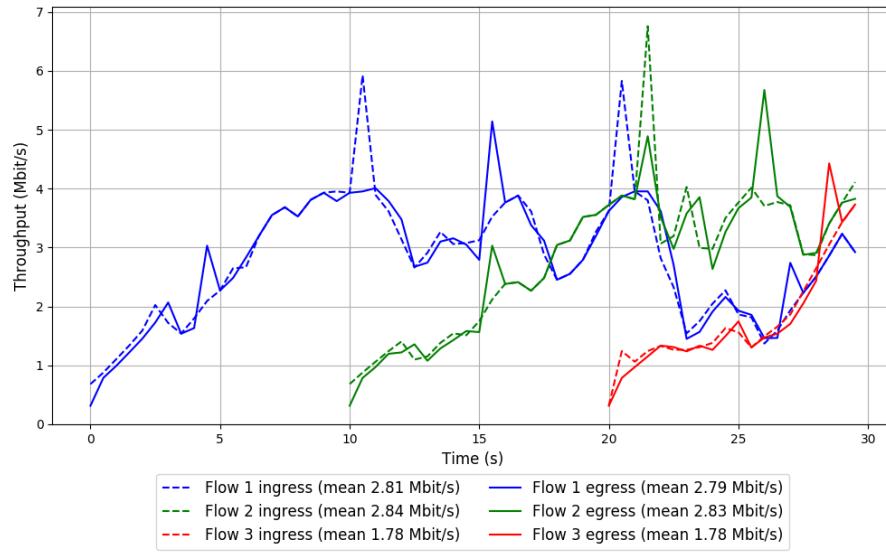
Run 8: Statistics of Sprout

Start at: 2017-09-22 04:47:34

End at: 2017-09-22 04:48:04

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 113.038 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 112.986 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 113.147 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 112.831 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



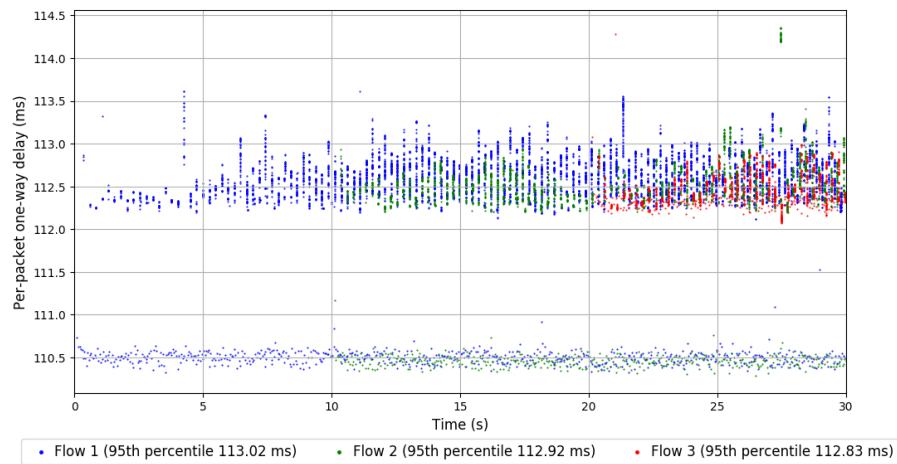
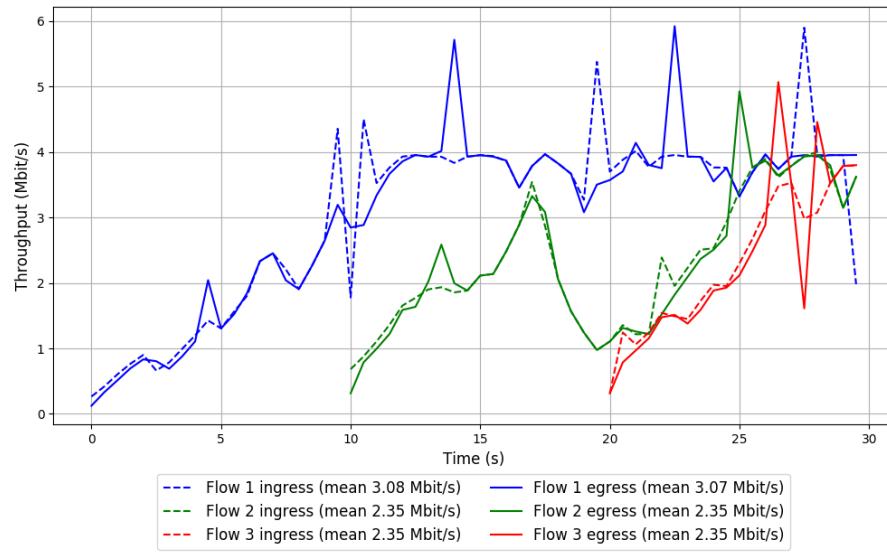
Run 9: Statistics of Sprout

Start at: 2017-09-22 05:00:41

End at: 2017-09-22 05:01:11

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 112.988 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 113.022 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 112.922 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 112.833 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



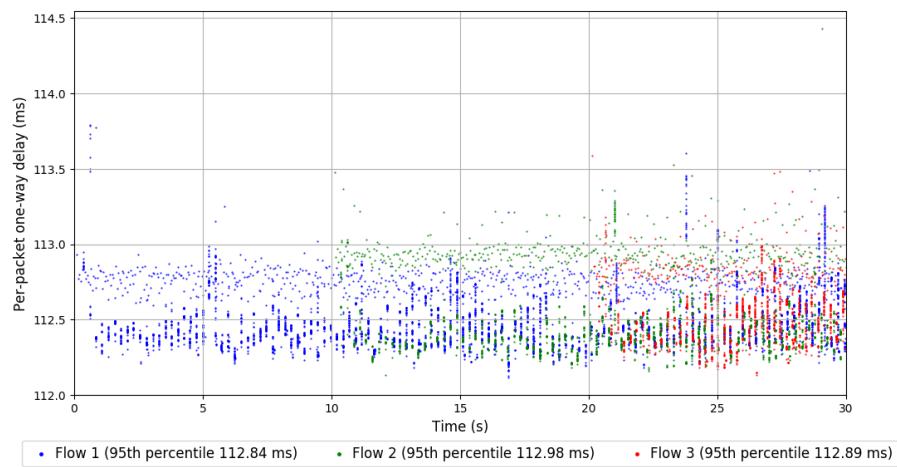
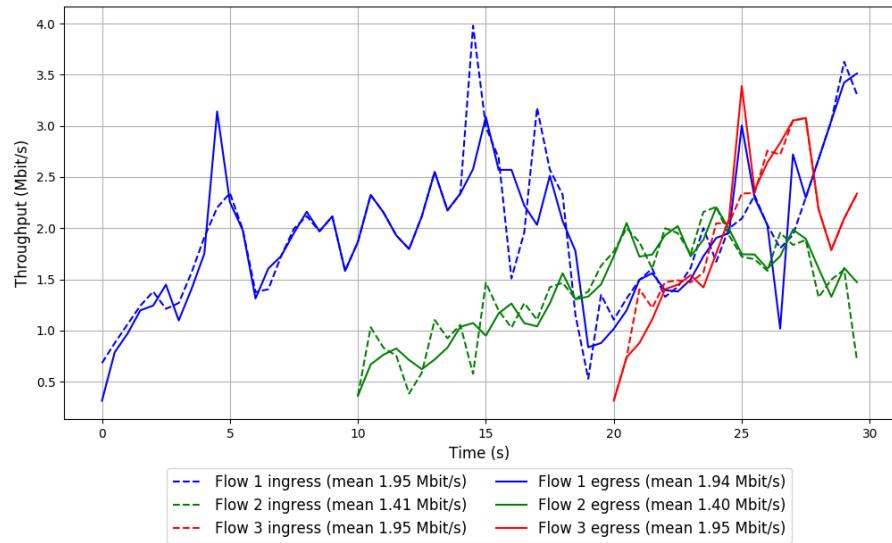
Run 10: Statistics of Sprout

Start at: 2017-09-22 05:13:46

End at: 2017-09-22 05:14:16

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 112.920 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 112.836 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 112.981 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 112.889 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



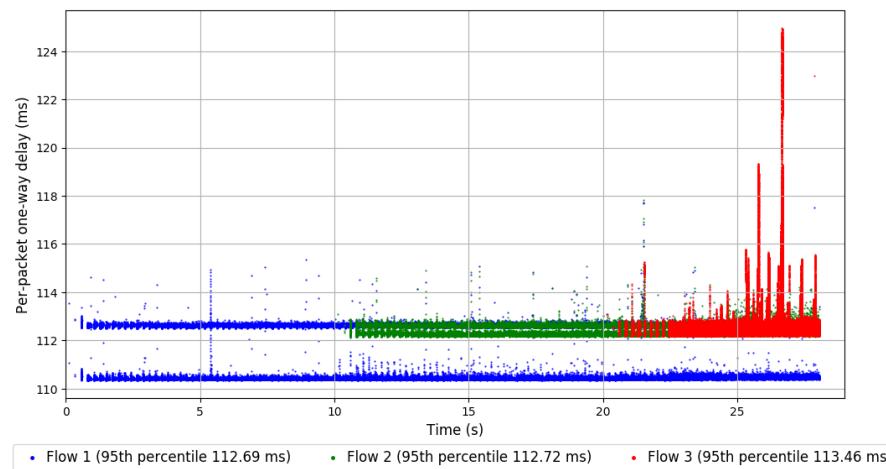
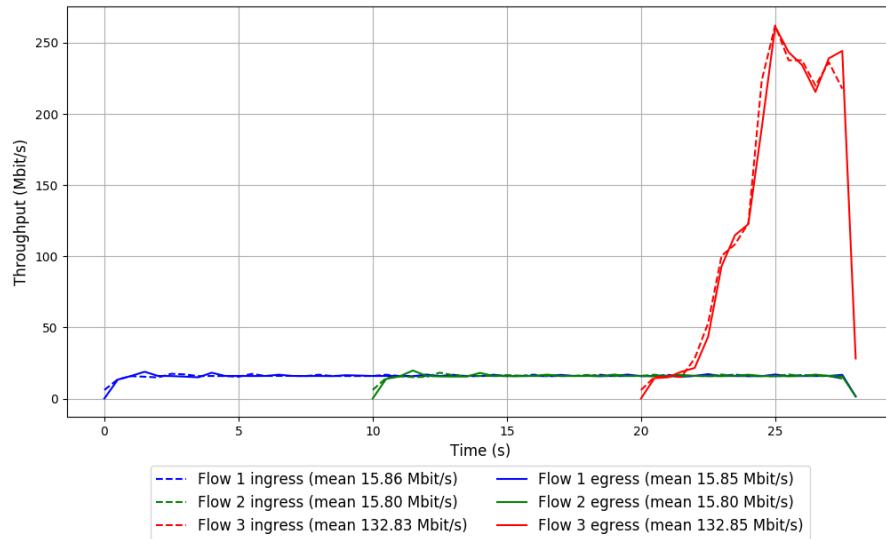
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-22 03:15:14

End at: 2017-09-22 03:15:44

```
# Below is generated by plot.py at 2017-09-22 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 112.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 112.695 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 112.720 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.85 Mbit/s
95th percentile per-packet one-way delay: 113.464 ms
Loss rate: 0.01%
```

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



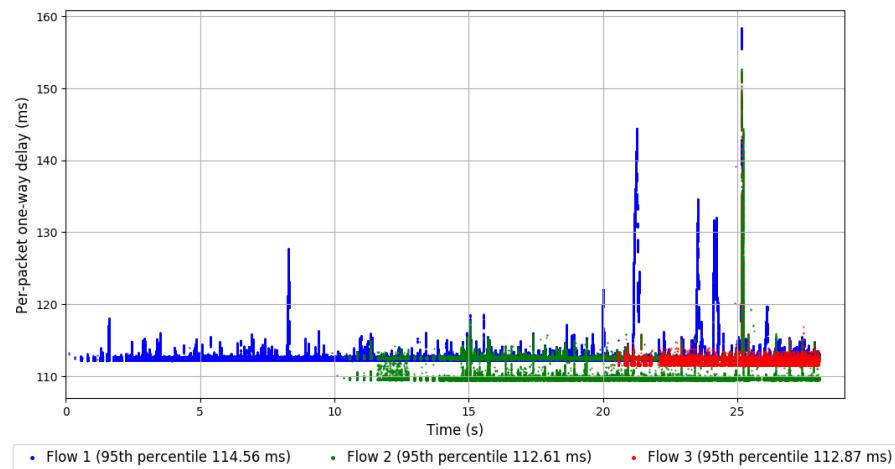
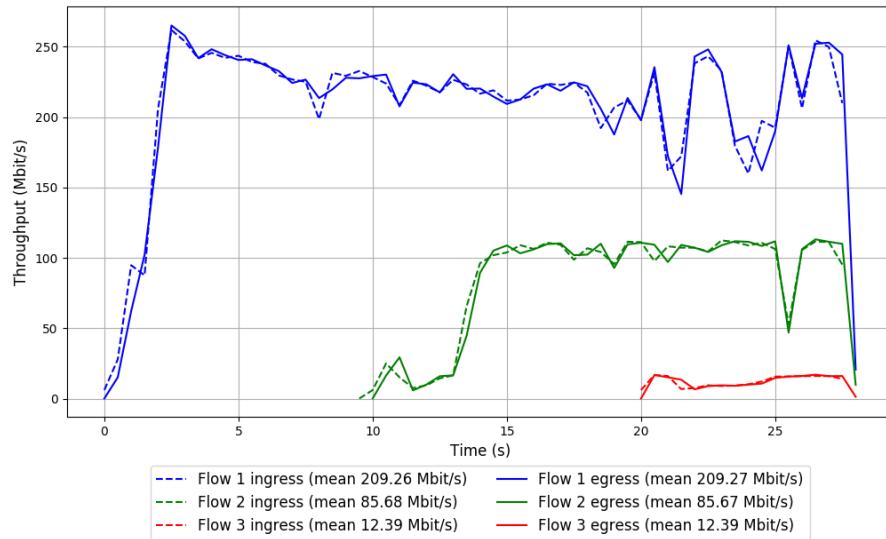
Run 2: Statistics of TaoVA-100x

Start at: 2017-09-22 03:28:34

End at: 2017-09-22 03:29:04

```
# Below is generated by plot.py at 2017-09-22 06:34:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 267.82 Mbit/s
95th percentile per-packet one-way delay: 114.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.27 Mbit/s
95th percentile per-packet one-way delay: 114.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 112.606 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 112.866 ms
Loss rate: 0.00%
```

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



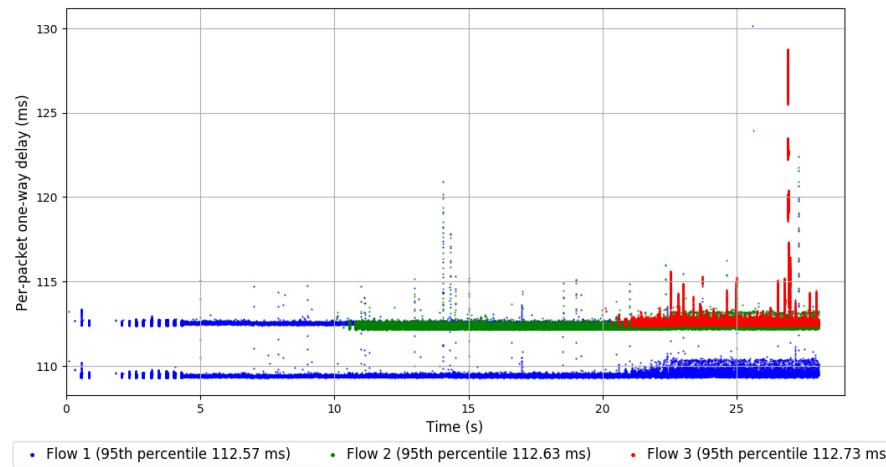
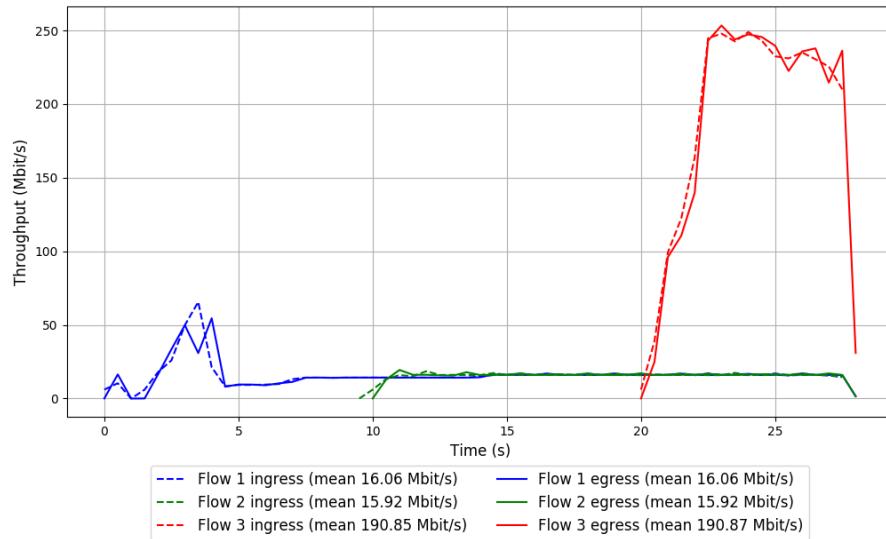
Run 3: Statistics of TaoVA-100x

Start at: 2017-09-22 03:42:23

End at: 2017-09-22 03:42:53

```
# Below is generated by plot.py at 2017-09-22 06:34:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 112.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 112.572 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 112.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 190.87 Mbit/s
95th percentile per-packet one-way delay: 112.731 ms
Loss rate: 0.00%
```

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



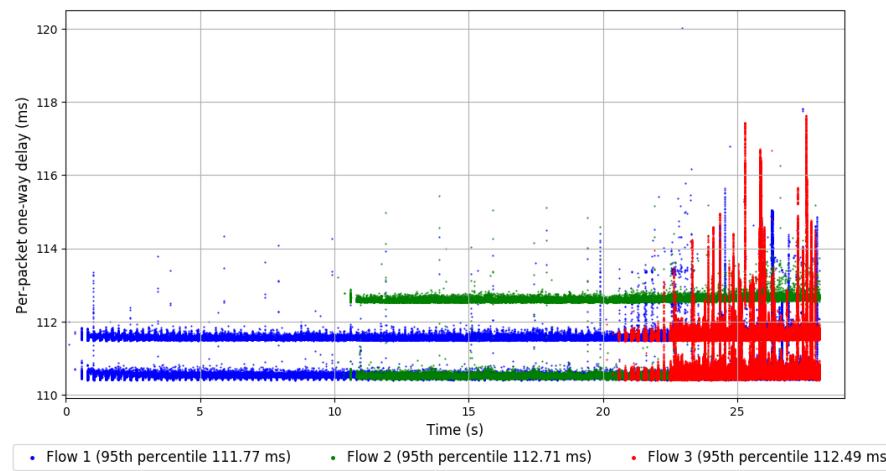
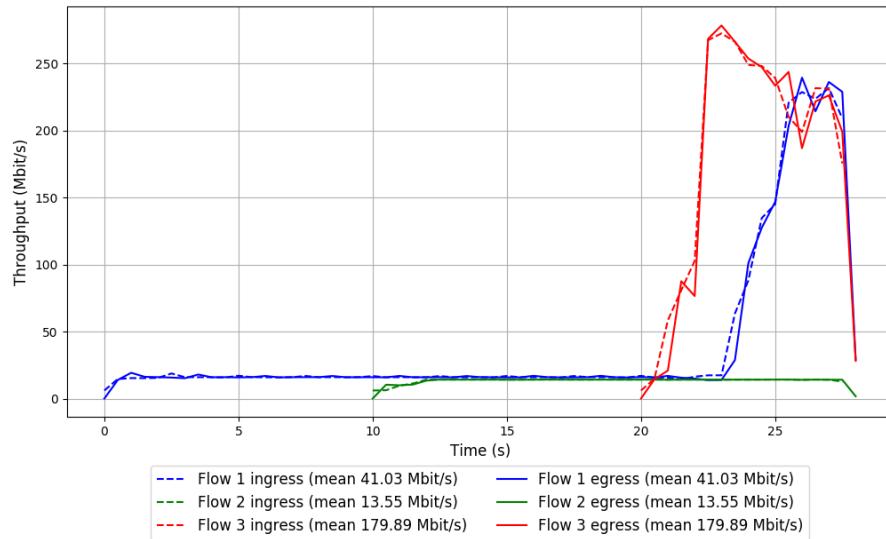
Run 4: Statistics of TaoVA-100x

Start at: 2017-09-22 03:55:44

End at: 2017-09-22 03:56:14

```
# Below is generated by plot.py at 2017-09-22 06:34:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.76 Mbit/s
95th percentile per-packet one-way delay: 112.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 111.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 112.714 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.89 Mbit/s
95th percentile per-packet one-way delay: 112.488 ms
Loss rate: 0.00%
```

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



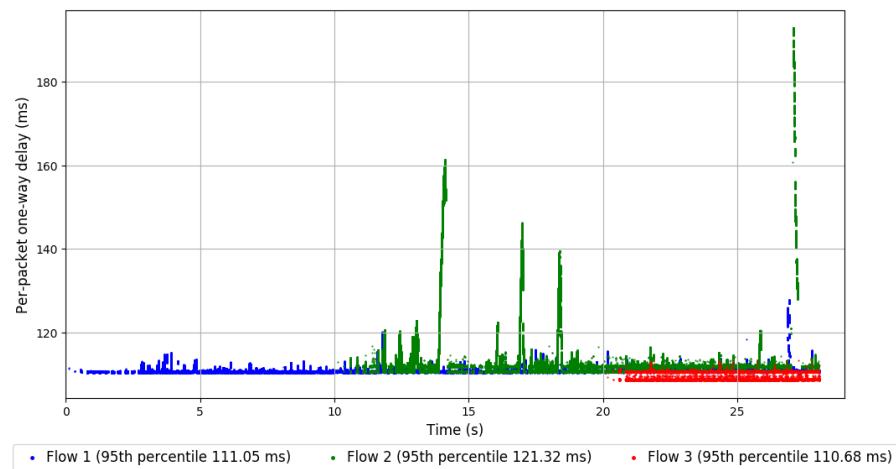
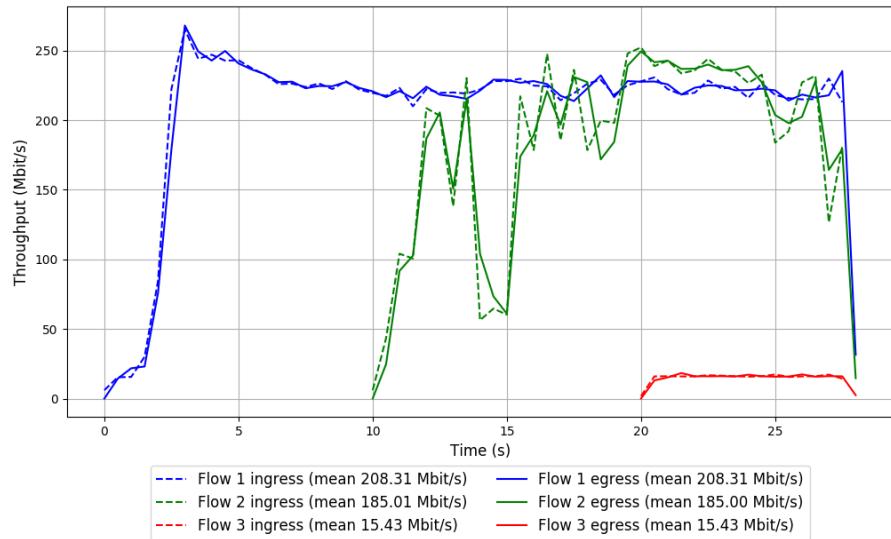
Run 5: Statistics of TaoVA-100x

Start at: 2017-09-22 04:09:07

End at: 2017-09-22 04:09:37

```
# Below is generated by plot.py at 2017-09-22 06:36:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 331.21 Mbit/s
95th percentile per-packet one-way delay: 112.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.31 Mbit/s
95th percentile per-packet one-way delay: 111.048 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 185.00 Mbit/s
95th percentile per-packet one-way delay: 121.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 110.676 ms
Loss rate: 0.00%
```

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



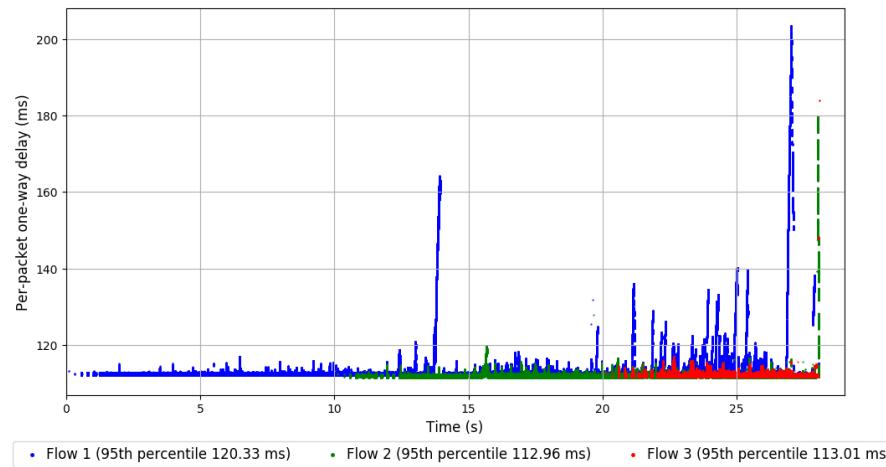
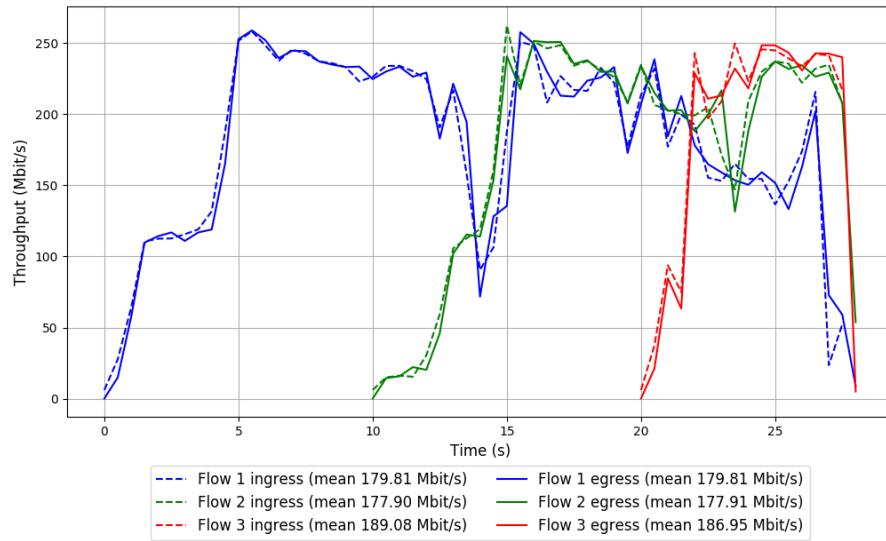
Run 6: Statistics of TaoVA-100x

Start at: 2017-09-22 04:23:02

End at: 2017-09-22 04:23:32

```
# Below is generated by plot.py at 2017-09-22 06:36:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 346.86 Mbit/s
95th percentile per-packet one-way delay: 115.659 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 179.81 Mbit/s
95th percentile per-packet one-way delay: 120.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.91 Mbit/s
95th percentile per-packet one-way delay: 112.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 186.95 Mbit/s
95th percentile per-packet one-way delay: 113.012 ms
Loss rate: 0.83%
```

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



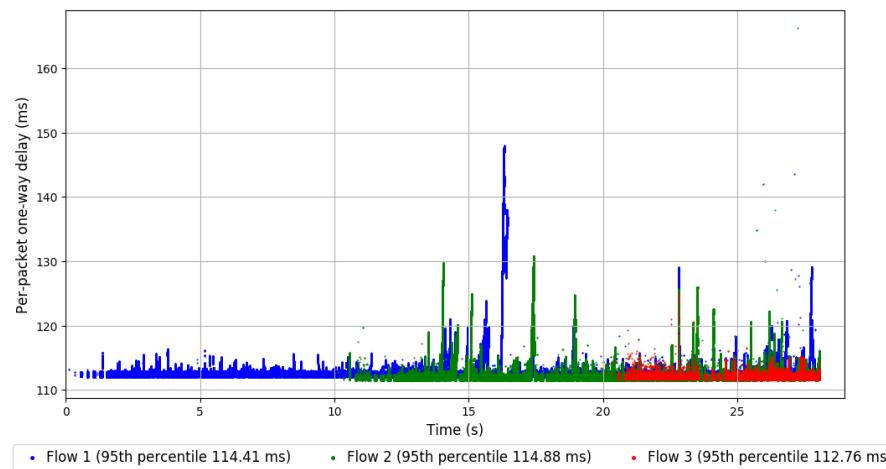
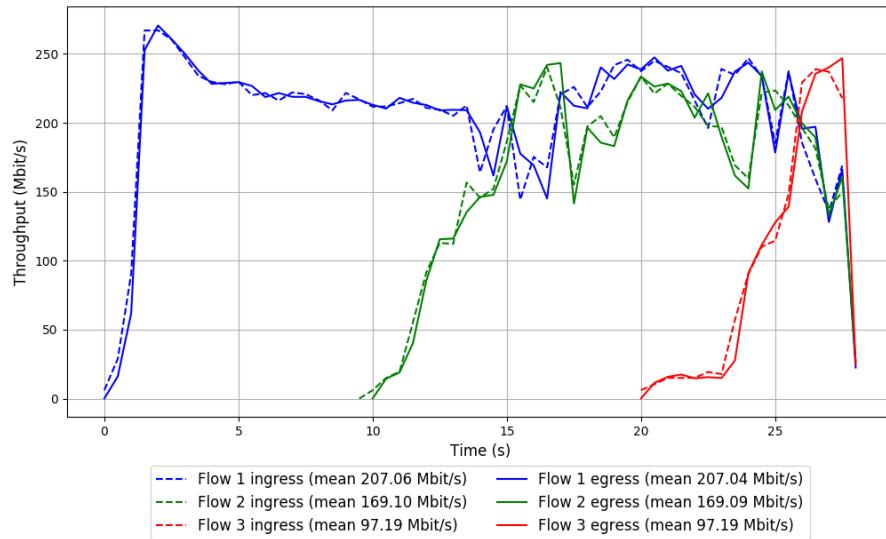
Run 7: Statistics of TaoVA-100x

Start at: 2017-09-22 04:36:48

End at: 2017-09-22 04:37:18

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 343.23 Mbit/s
95th percentile per-packet one-way delay: 114.367 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 207.04 Mbit/s
95th percentile per-packet one-way delay: 114.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.09 Mbit/s
95th percentile per-packet one-way delay: 114.879 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 112.756 ms
Loss rate: 0.00%
```

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



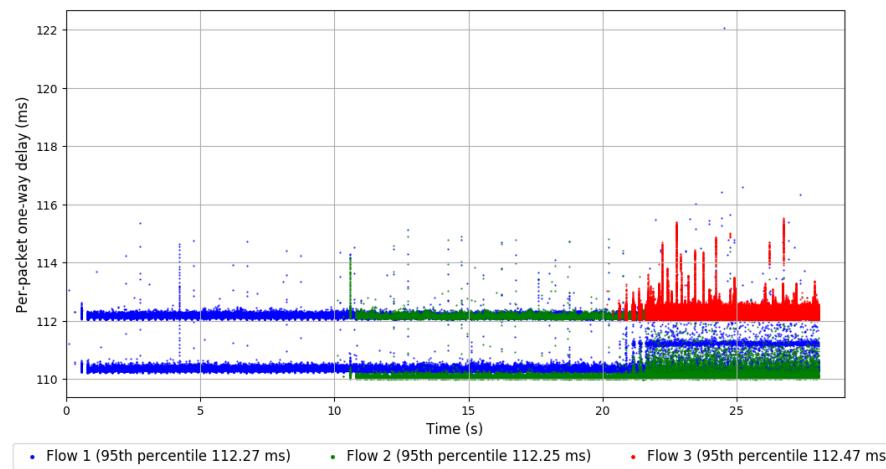
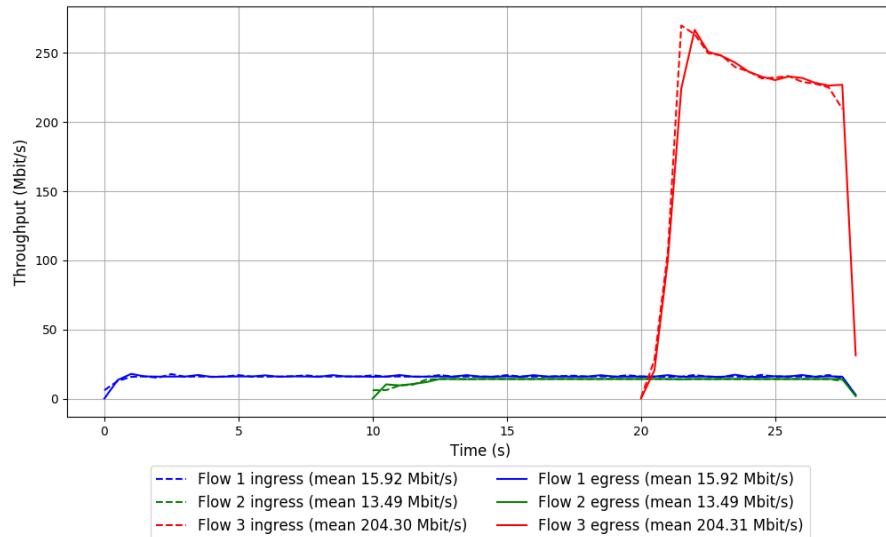
Run 8: Statistics of TaoVA-100x

Start at: 2017-09-22 04:50:49

End at: 2017-09-22 04:51:19

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 112.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 112.266 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 112.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 204.31 Mbit/s
95th percentile per-packet one-way delay: 112.469 ms
Loss rate: 0.00%
```

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



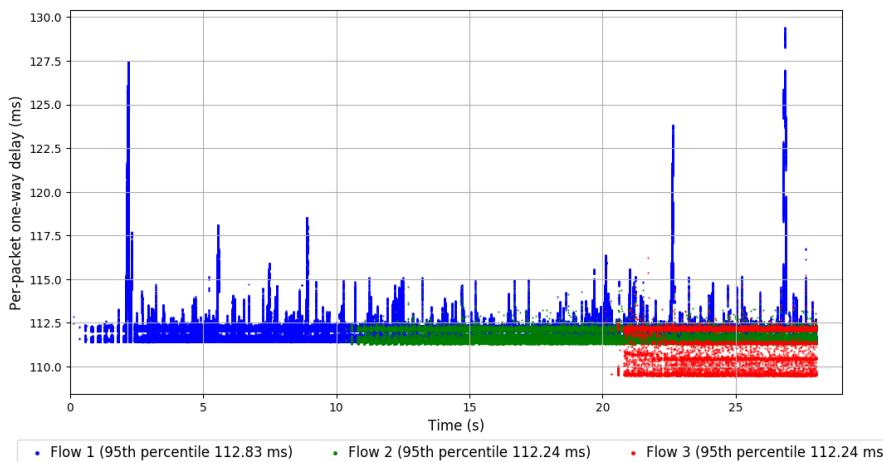
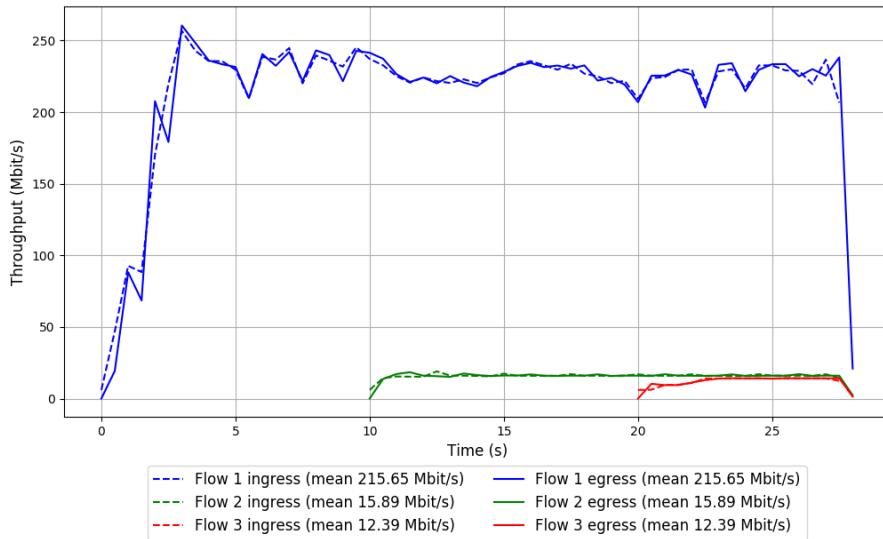
Run 9: Statistics of TaoVA-100x

Start at: 2017-09-22 05:03:55

End at: 2017-09-22 05:04:25

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 229.36 Mbit/s
95th percentile per-packet one-way delay: 112.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.65 Mbit/s
95th percentile per-packet one-way delay: 112.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 112.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 112.241 ms
Loss rate: 0.00%
```

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



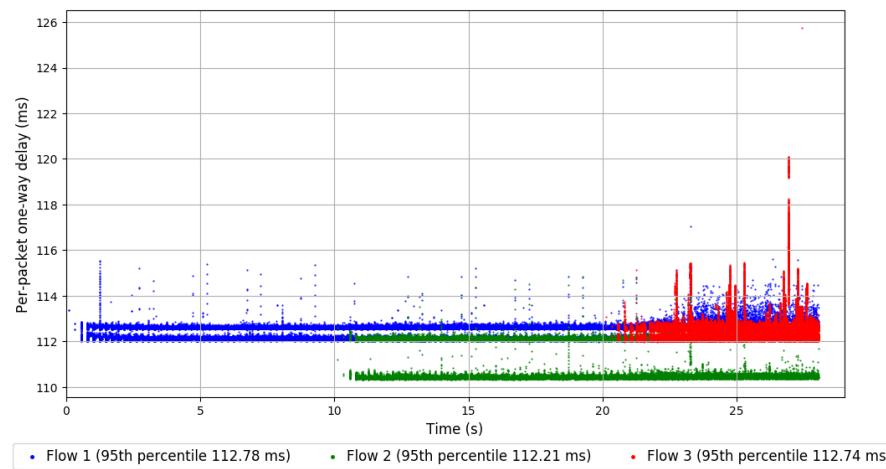
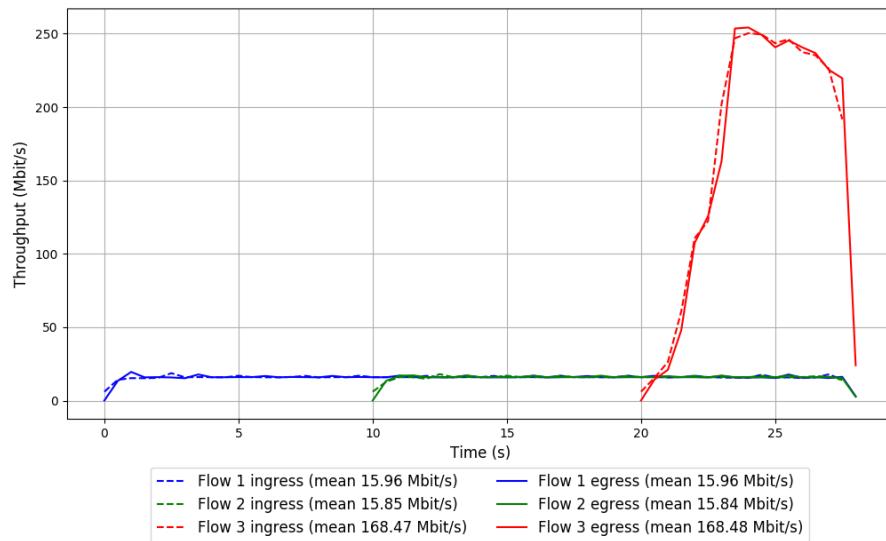
Run 10: Statistics of TaoVA-100x

Start at: 2017-09-22 05:16:59

End at: 2017-09-22 05:17:29

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.90 Mbit/s
95th percentile per-packet one-way delay: 112.730 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 112.775 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 112.209 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 168.48 Mbit/s
95th percentile per-packet one-way delay: 112.739 ms
Loss rate: 0.05%
```

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



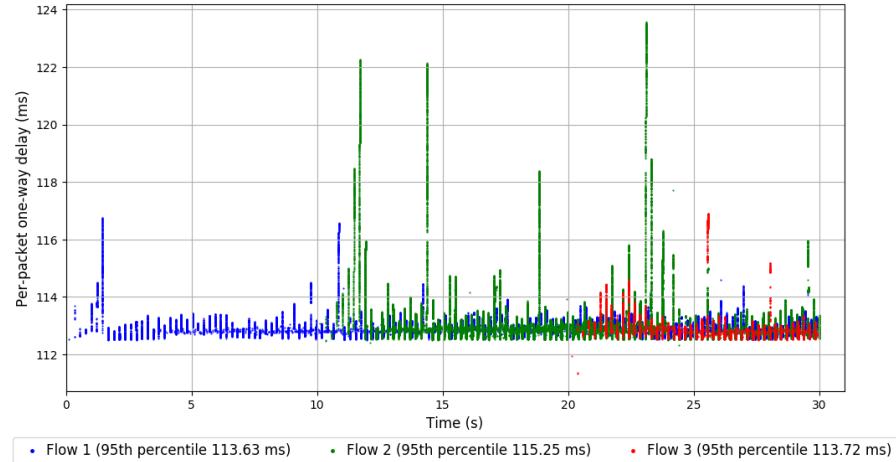
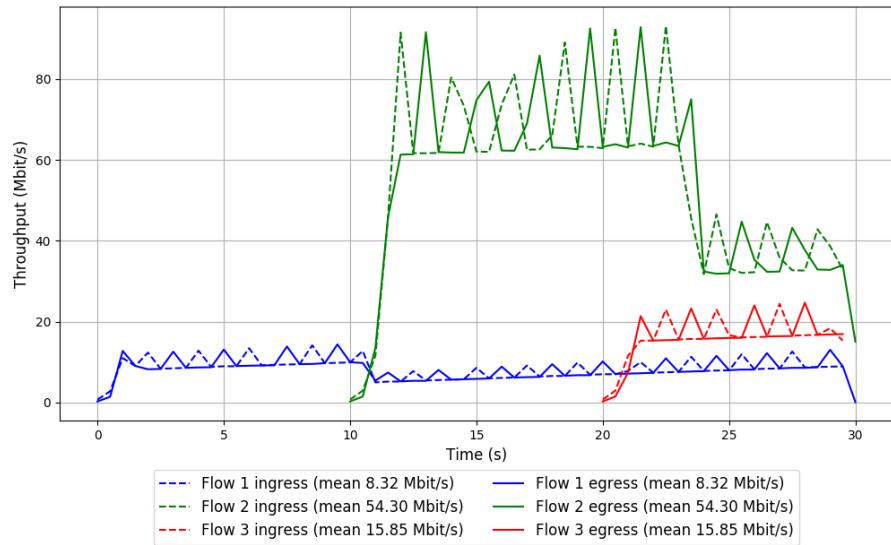
Run 1: Statistics of TCP Vegas

Start at: 2017-09-22 03:10:14

End at: 2017-09-22 03:10:44

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 114.699 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 113.631 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 54.30 Mbit/s
95th percentile per-packet one-way delay: 115.251 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 113.723 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link



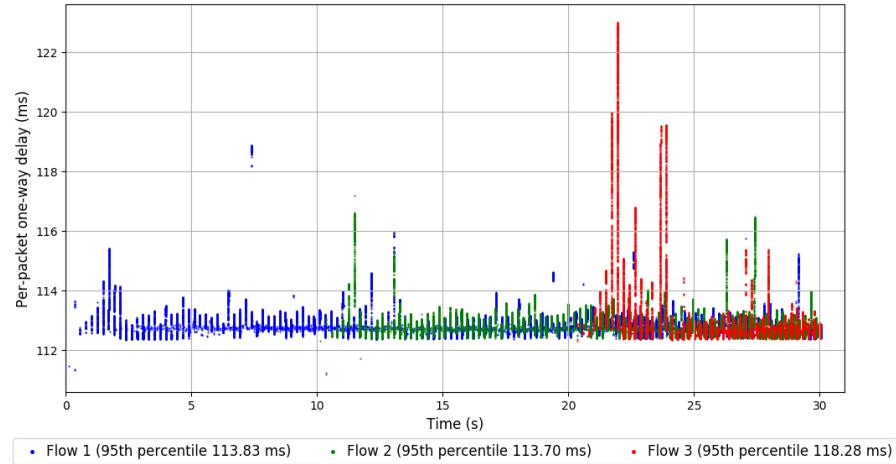
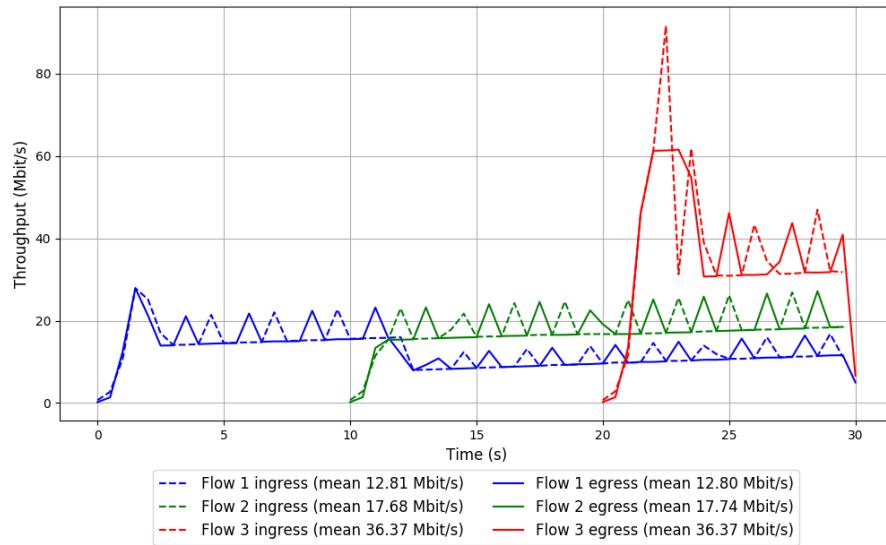
Run 2: Statistics of TCP Vegas

Start at: 2017-09-22 03:23:35

End at: 2017-09-22 03:24:05

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 114.691 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 113.829 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 17.74 Mbit/s
95th percentile per-packet one-way delay: 113.701 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 118.285 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link



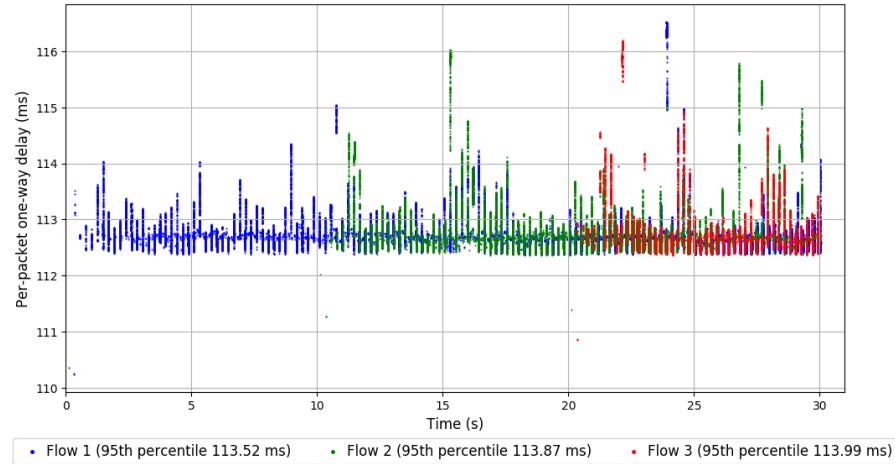
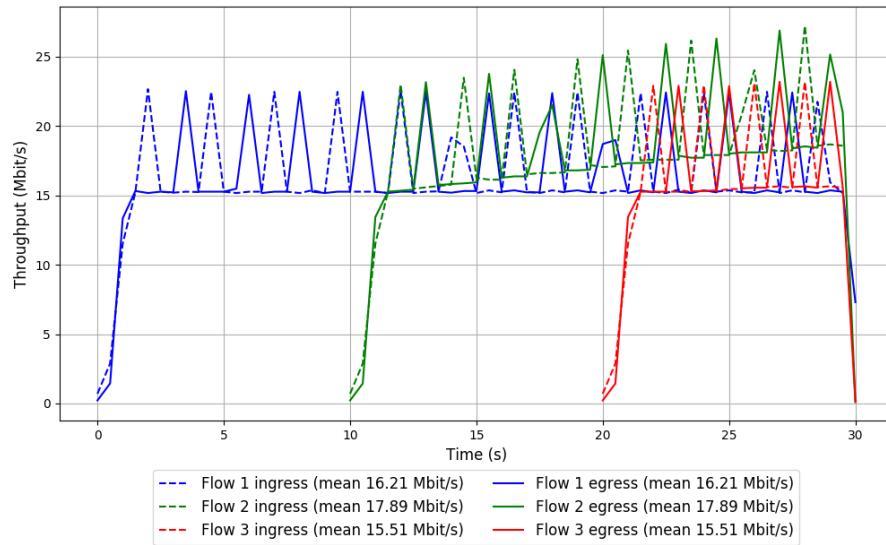
Run 3: Statistics of TCP Vegas

Start at: 2017-09-22 03:37:22

End at: 2017-09-22 03:37:52

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 113.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.21 Mbit/s
95th percentile per-packet one-way delay: 113.515 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.89 Mbit/s
95th percentile per-packet one-way delay: 113.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 113.994 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link



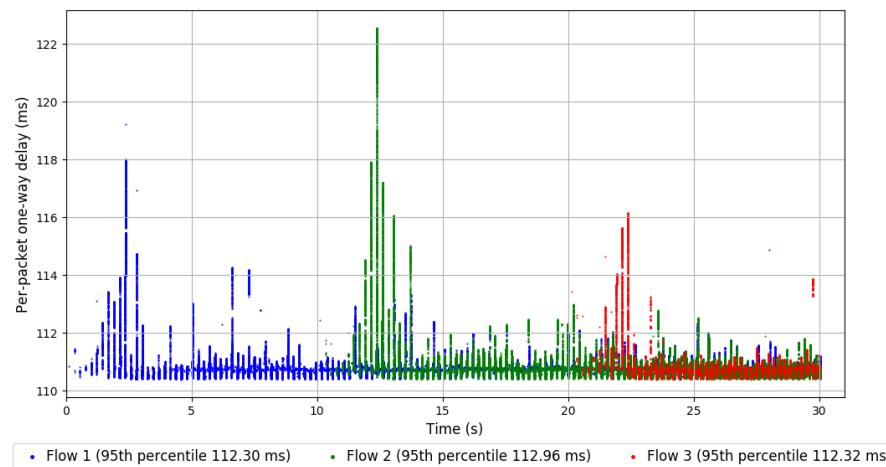
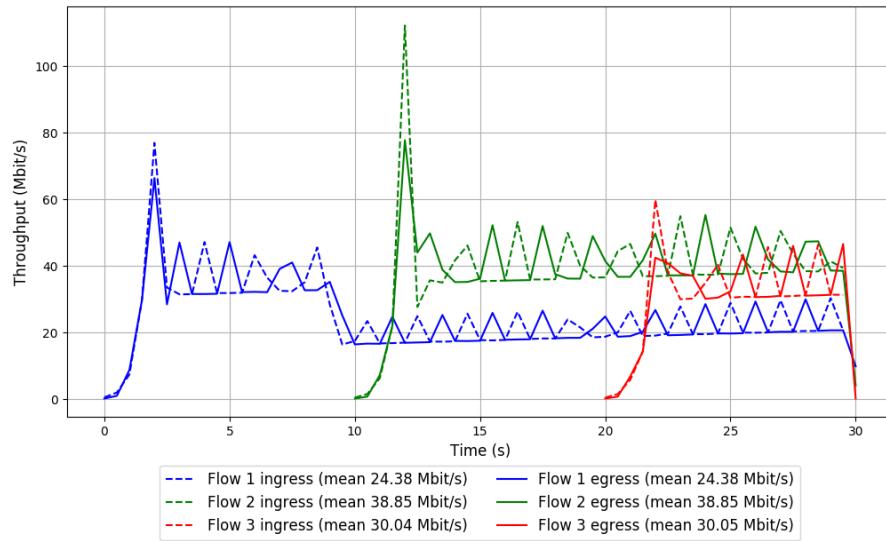
Run 4: Statistics of TCP Vegas

Start at: 2017-09-22 03:50:42

End at: 2017-09-22 03:51:12

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 112.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 112.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 112.962 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 112.317 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link



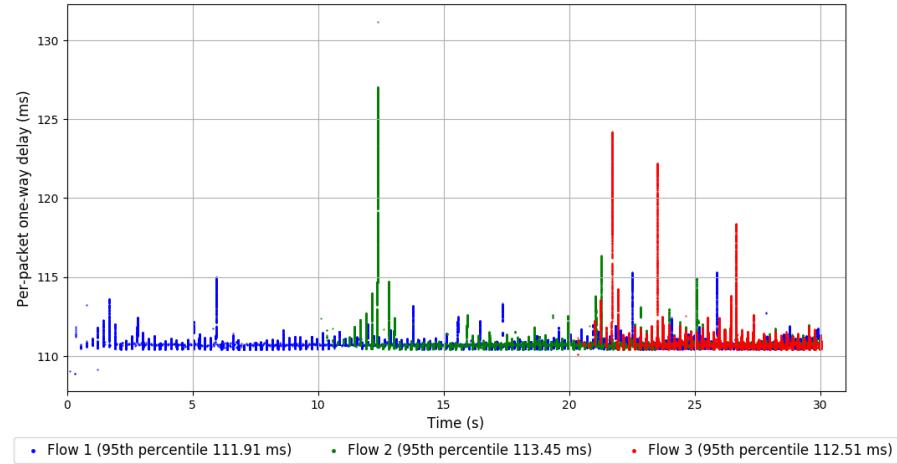
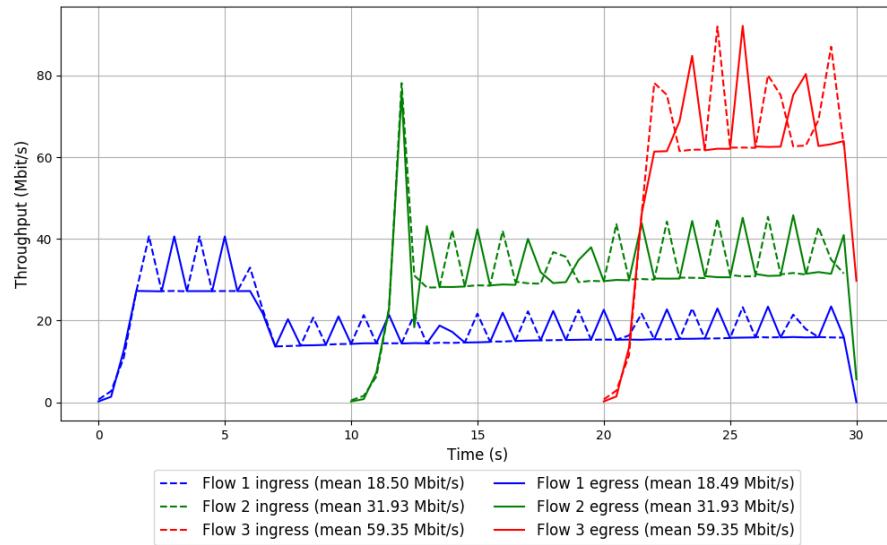
Run 5: Statistics of TCP Vegas

Start at: 2017-09-22 04:04:06

End at: 2017-09-22 04:04:36

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 112.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 111.909 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 113.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 112.514 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link



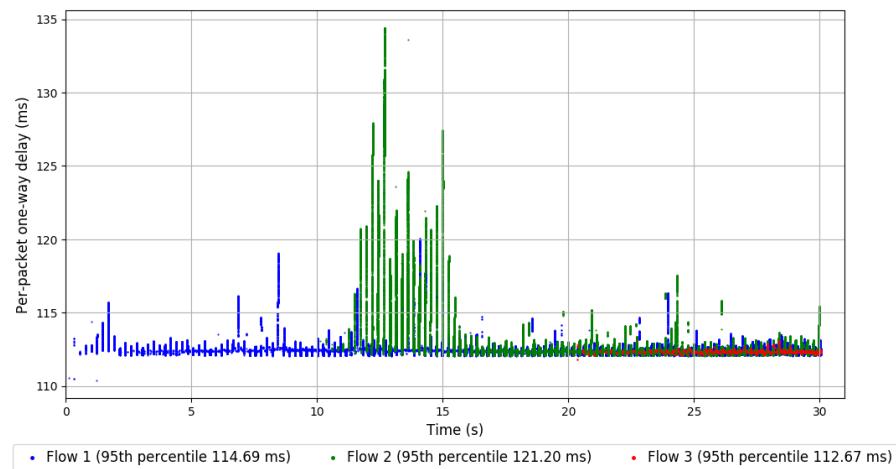
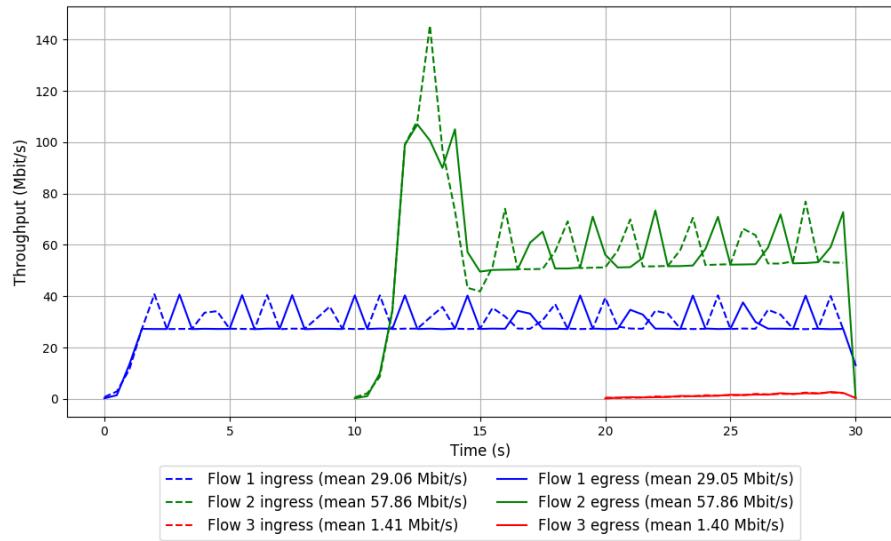
Run 6: Statistics of TCP Vegas

Start at: 2017-09-22 04:17:59

End at: 2017-09-22 04:18:29

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 118.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 114.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 121.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 112.668 ms
Loss rate: 0.34%
```

Run 6: Report of TCP Vegas — Data Link



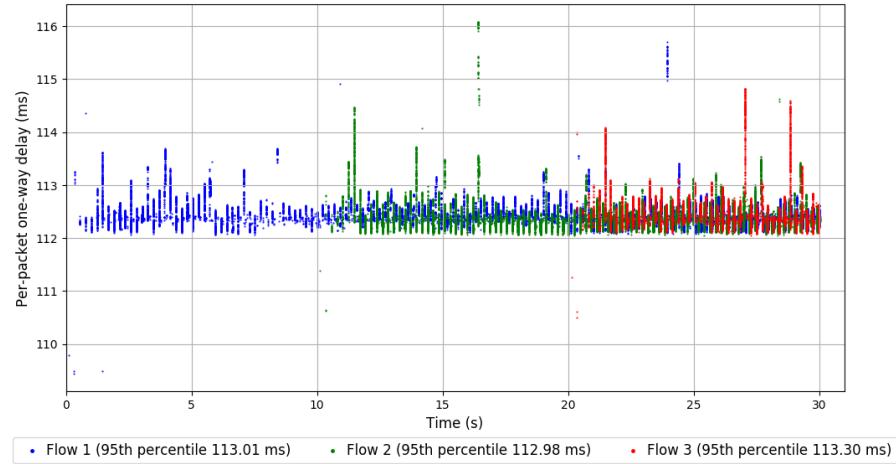
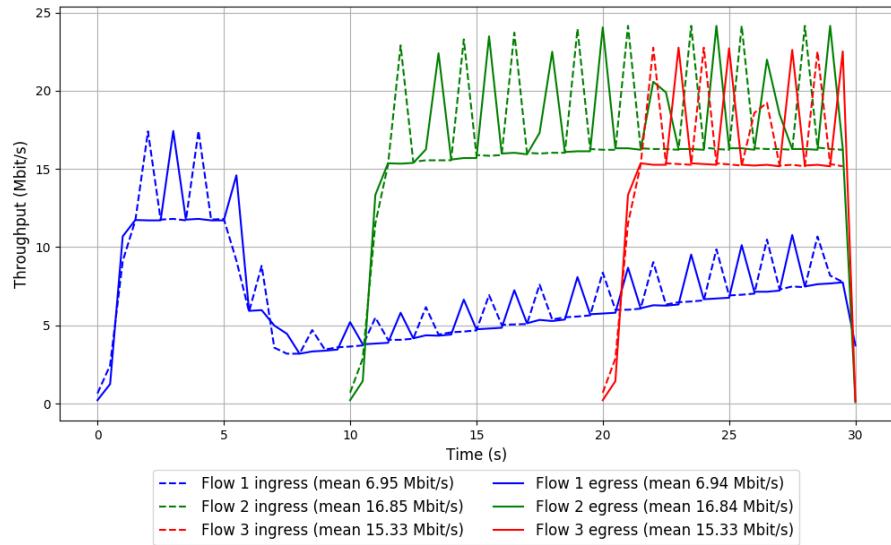
Run 7: Statistics of TCP Vegas

Start at: 2017-09-22 04:31:49

End at: 2017-09-22 04:32:19

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 113.030 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 113.006 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 112.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 113.302 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link



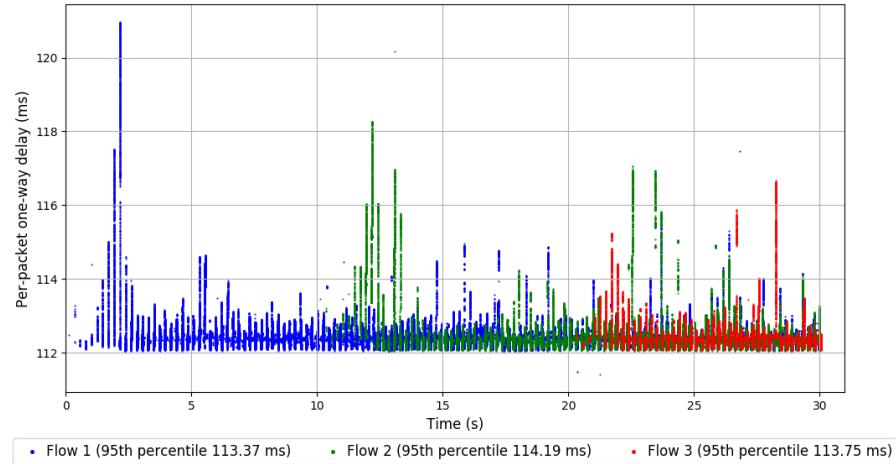
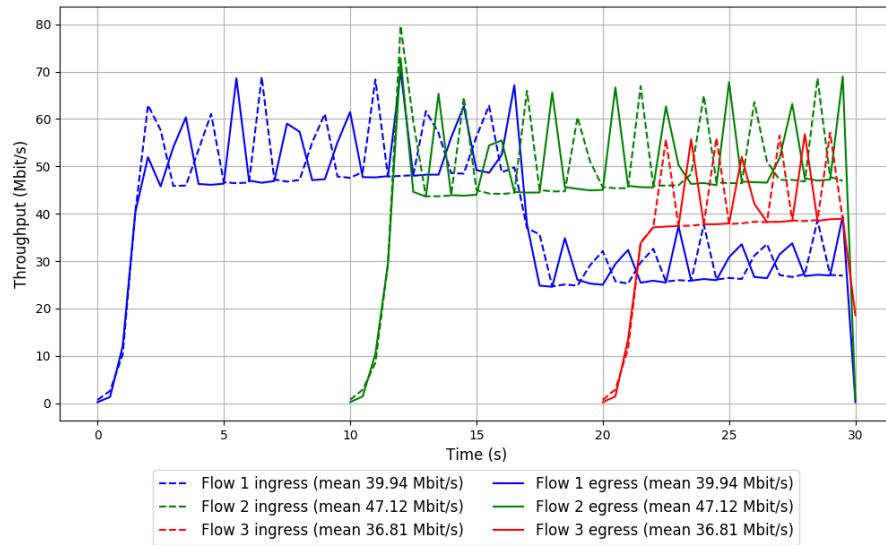
Run 8: Statistics of TCP Vegas

Start at: 2017-09-22 04:45:46

End at: 2017-09-22 04:46:16

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 113.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 113.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 114.194 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 113.755 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link



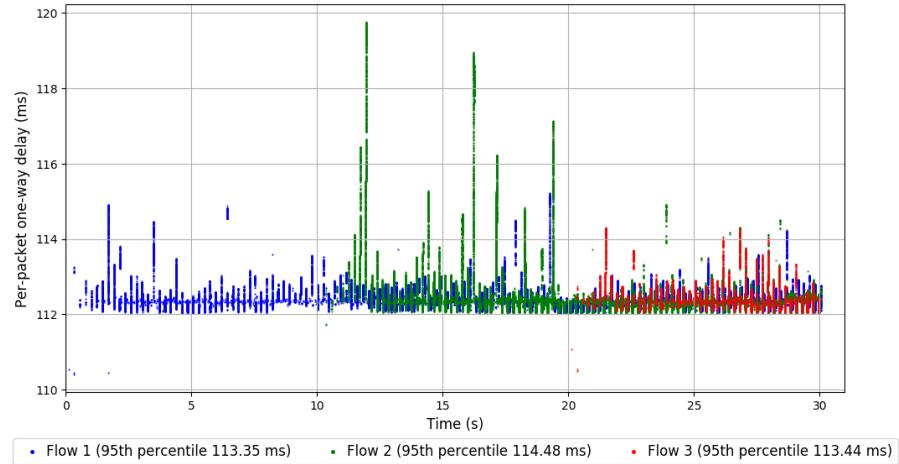
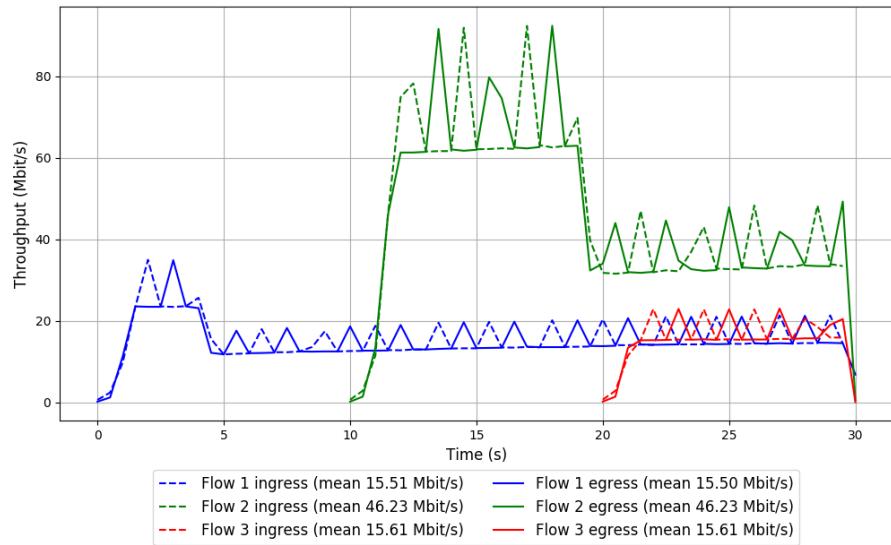
Run 9: Statistics of TCP Vegas

Start at: 2017-09-22 04:58:56

End at: 2017-09-22 04:59:26

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.44 Mbit/s
95th percentile per-packet one-way delay: 113.862 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 113.351 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 114.479 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 113.438 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link



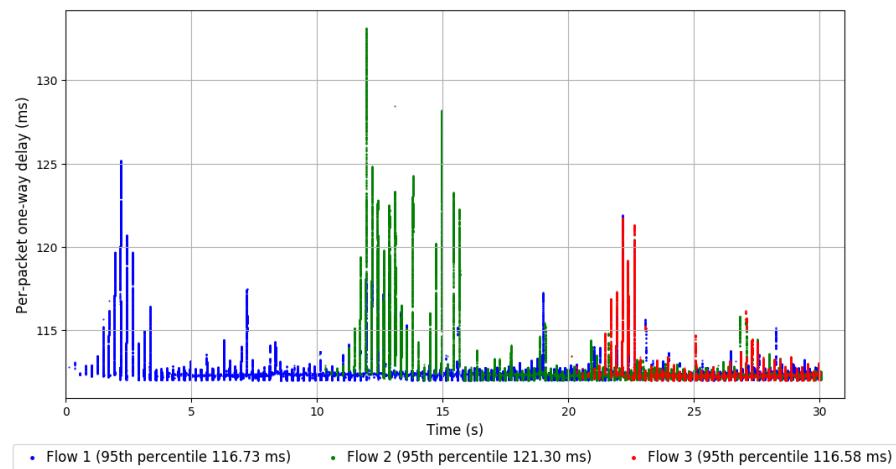
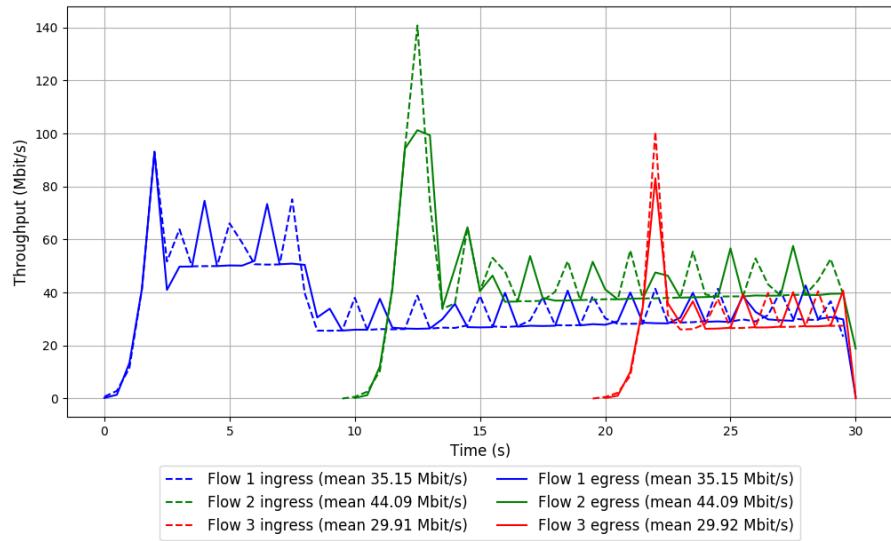
Run 10: Statistics of TCP Vegas

Start at: 2017-09-22 05:11:59

End at: 2017-09-22 05:12:29

```
# Below is generated by plot.py at 2017-09-22 06:36:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.41 Mbit/s
95th percentile per-packet one-way delay: 119.043 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 116.727 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 44.09 Mbit/s
95th percentile per-packet one-way delay: 121.296 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 116.585 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link



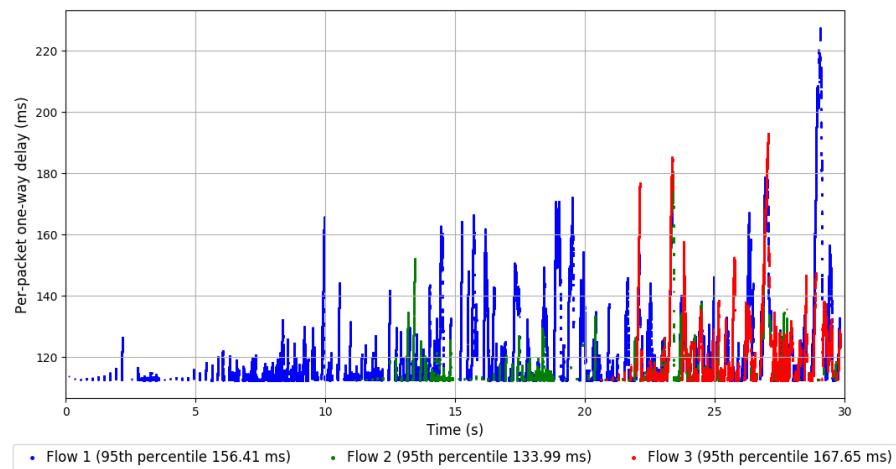
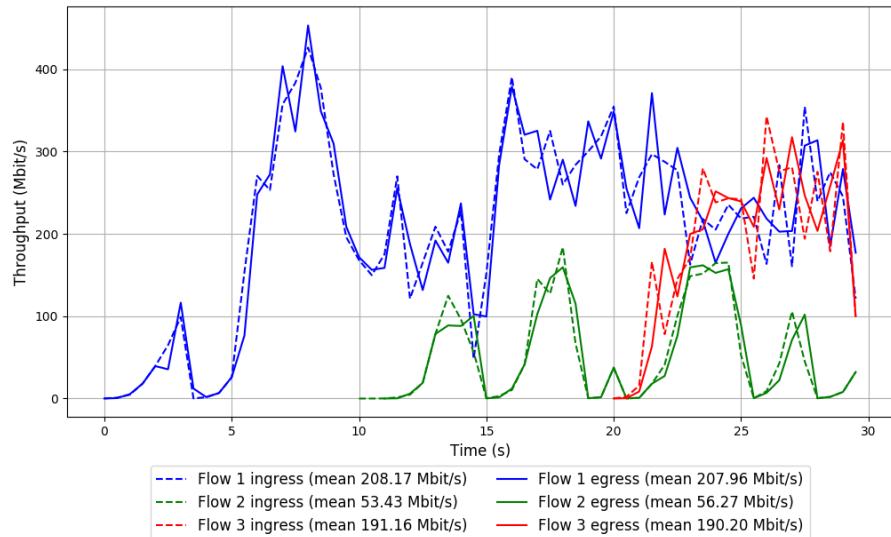
Run 1: Statistics of Verus

Start at: 2017-09-22 03:08:07

End at: 2017-09-22 03:08:37

```
# Below is generated by plot.py at 2017-09-22 06:39:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.13 Mbit/s
95th percentile per-packet one-way delay: 156.712 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 207.96 Mbit/s
95th percentile per-packet one-way delay: 156.406 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 133.991 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 190.20 Mbit/s
95th percentile per-packet one-way delay: 167.653 ms
Loss rate: 0.51%
```

Run 1: Report of Verus — Data Link



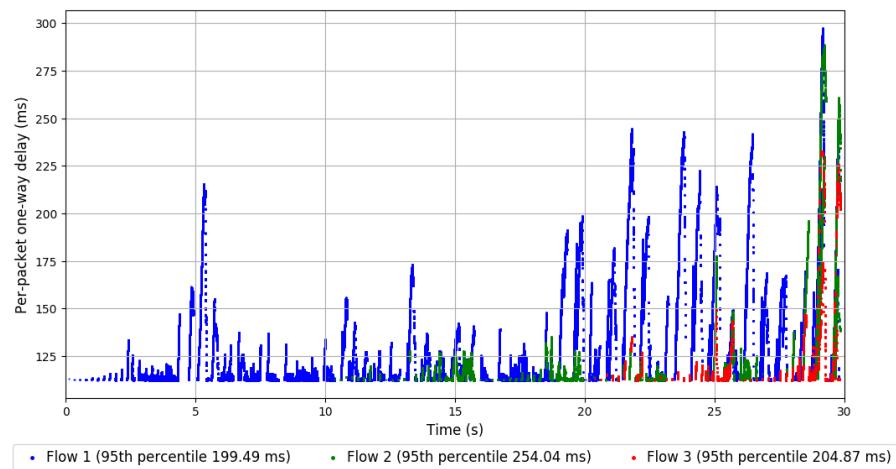
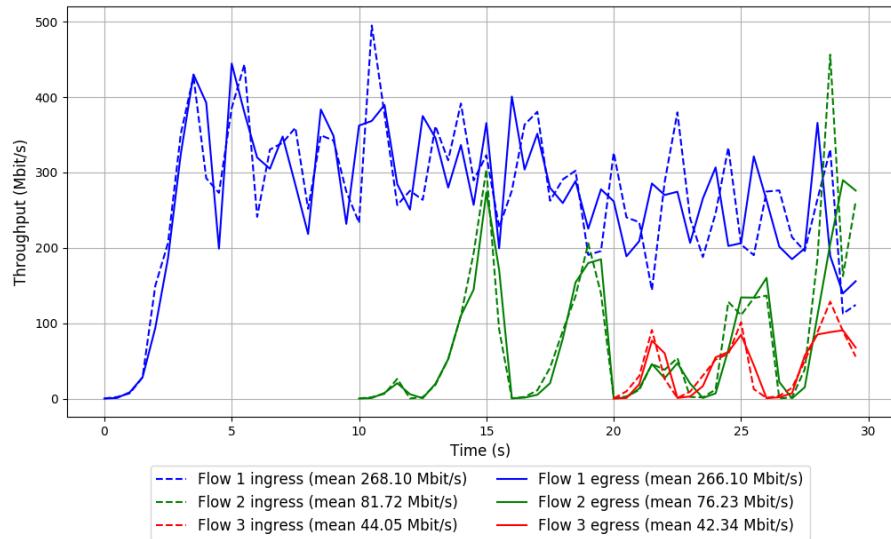
Run 2: Statistics of Verus

Start at: 2017-09-22 03:21:27

End at: 2017-09-22 03:21:57

```
# Below is generated by plot.py at 2017-09-22 06:40:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.41 Mbit/s
95th percentile per-packet one-way delay: 206.671 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 266.10 Mbit/s
95th percentile per-packet one-way delay: 199.493 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 76.23 Mbit/s
95th percentile per-packet one-way delay: 254.039 ms
Loss rate: 6.55%
-- Flow 3:
Average throughput: 42.34 Mbit/s
95th percentile per-packet one-way delay: 204.873 ms
Loss rate: 3.86%
```

Run 2: Report of Verus — Data Link



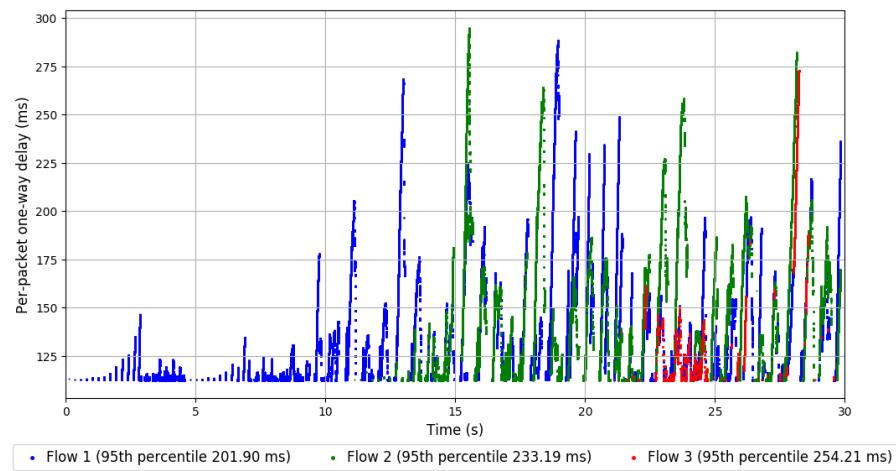
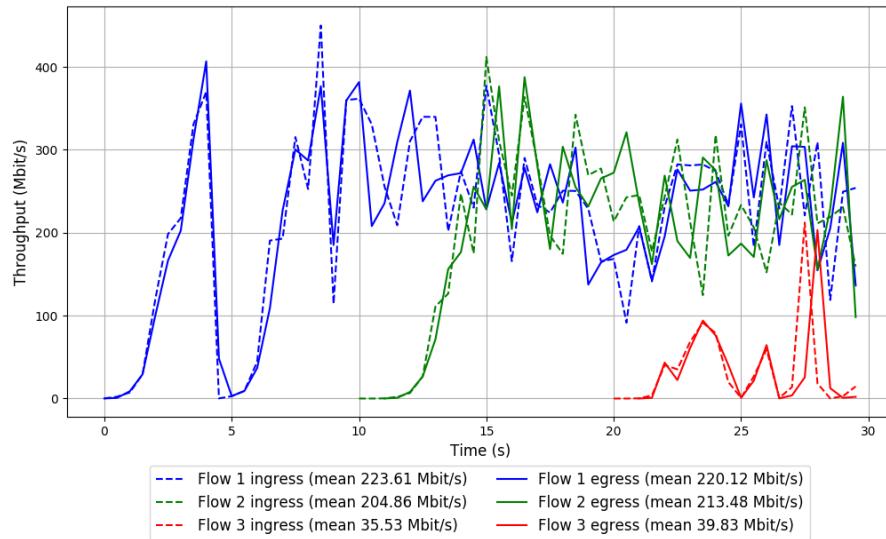
Run 3: Statistics of Verus

Start at: 2017-09-22 03:35:10

End at: 2017-09-22 03:35:40

```
# Below is generated by plot.py at 2017-09-22 06:41:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.89 Mbit/s
95th percentile per-packet one-way delay: 214.801 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 220.12 Mbit/s
95th percentile per-packet one-way delay: 201.901 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 213.48 Mbit/s
95th percentile per-packet one-way delay: 233.189 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 254.210 ms
Loss rate: 2.12%
```

Run 3: Report of Verus — Data Link



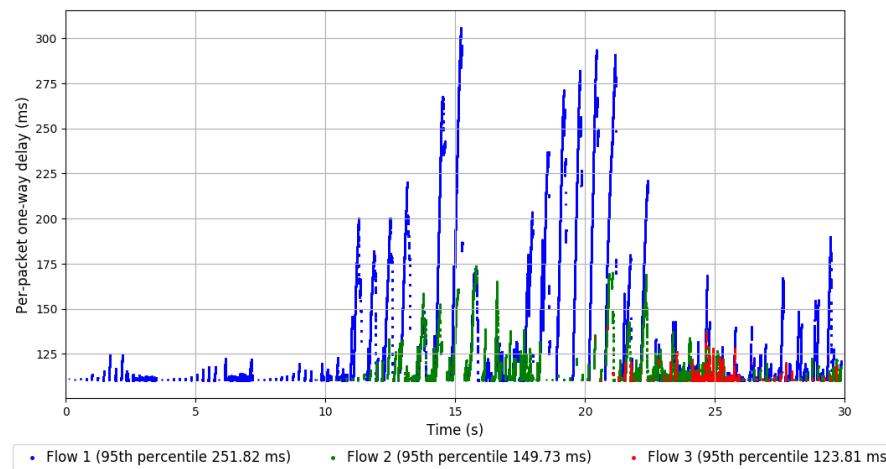
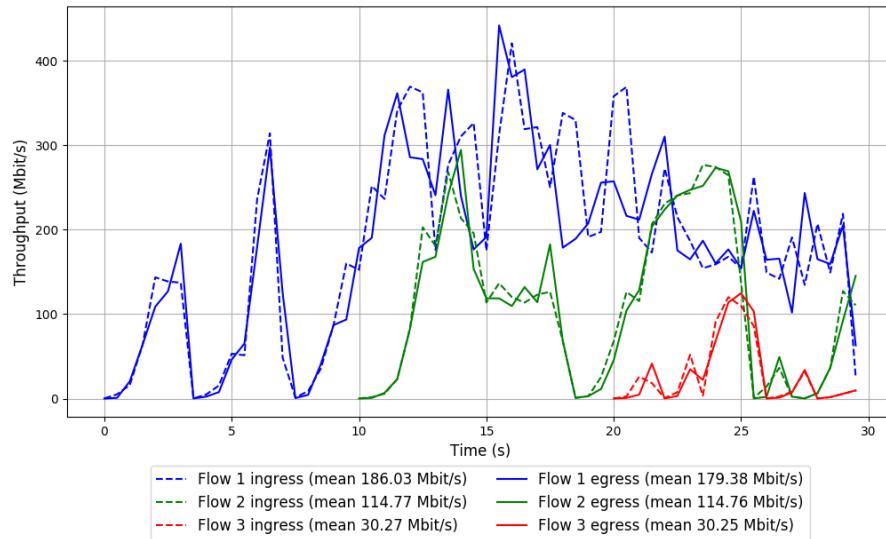
Run 4: Statistics of Verus

Start at: 2017-09-22 03:48:39

End at: 2017-09-22 03:49:09

```
# Below is generated by plot.py at 2017-09-22 06:41:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.16 Mbit/s
95th percentile per-packet one-way delay: 234.688 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 179.38 Mbit/s
95th percentile per-packet one-way delay: 251.819 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 114.76 Mbit/s
95th percentile per-packet one-way delay: 149.730 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 123.811 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link



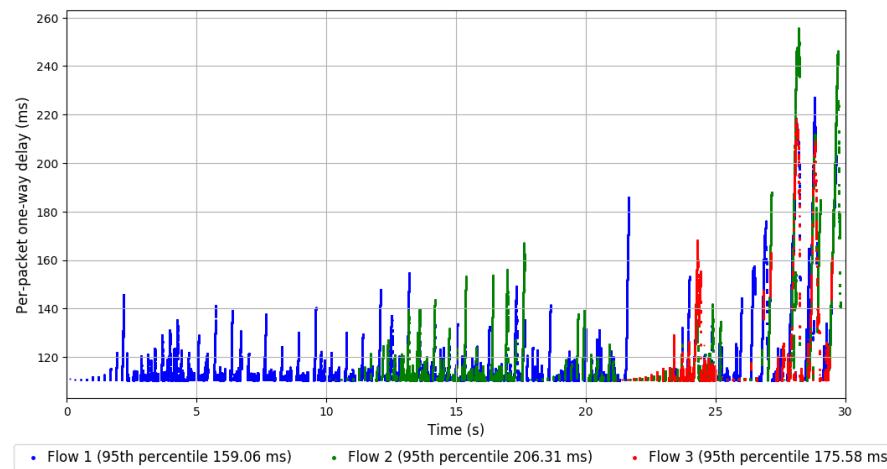
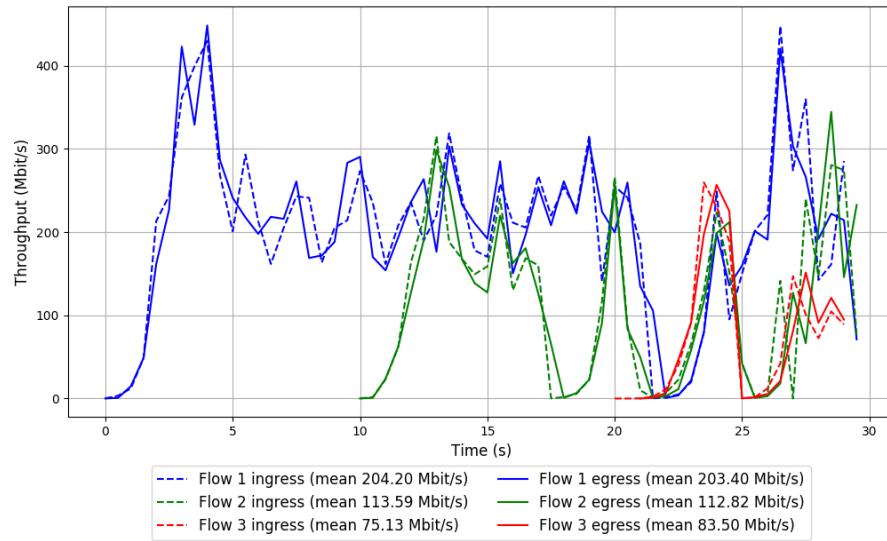
Run 5: Statistics of Verus

Start at: 2017-09-22 04:02:00

End at: 2017-09-22 04:02:30

```
# Below is generated by plot.py at 2017-09-22 06:41:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.56 Mbit/s
95th percentile per-packet one-way delay: 172.844 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 203.40 Mbit/s
95th percentile per-packet one-way delay: 159.060 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 112.82 Mbit/s
95th percentile per-packet one-way delay: 206.314 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 175.580 ms
Loss rate: 0.21%
```

Run 5: Report of Verus — Data Link



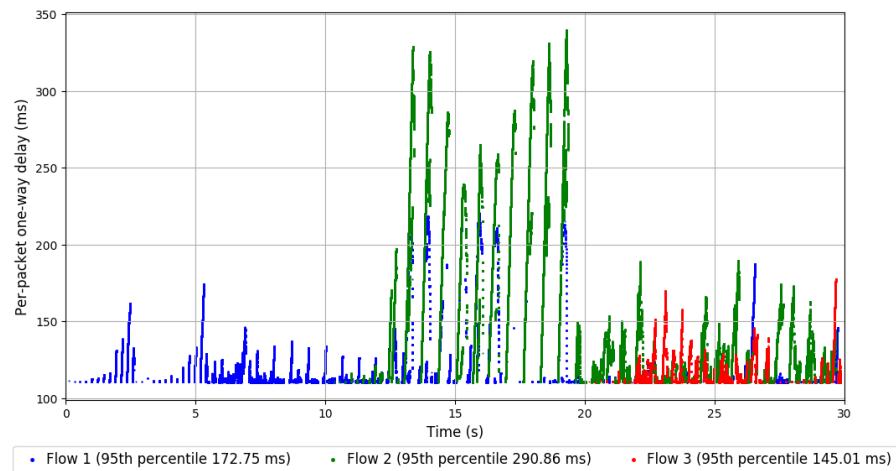
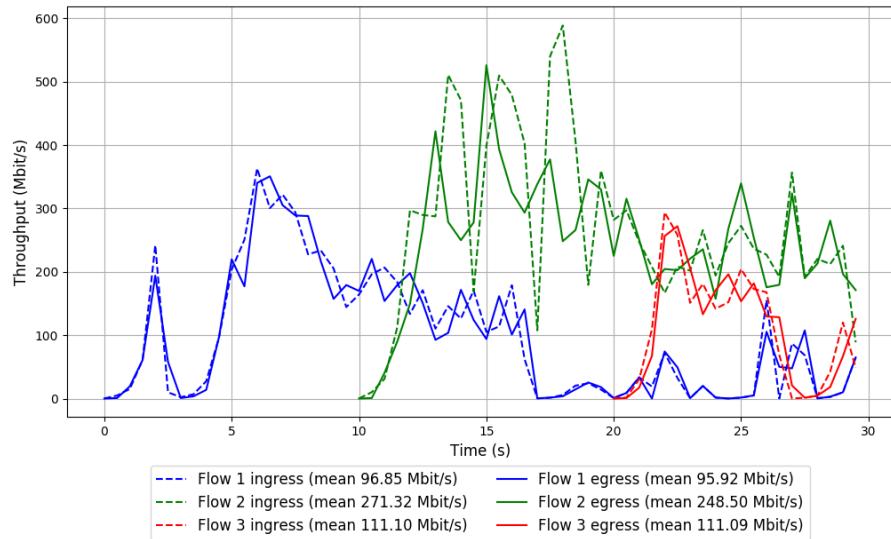
Run 6: Statistics of Verus

Start at: 2017-09-22 04:15:52

End at: 2017-09-22 04:16:22

```
# Below is generated by plot.py at 2017-09-22 06:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.58 Mbit/s
95th percentile per-packet one-way delay: 273.986 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 172.753 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 248.50 Mbit/s
95th percentile per-packet one-way delay: 290.860 ms
Loss rate: 8.41%
-- Flow 3:
Average throughput: 111.09 Mbit/s
95th percentile per-packet one-way delay: 145.008 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link



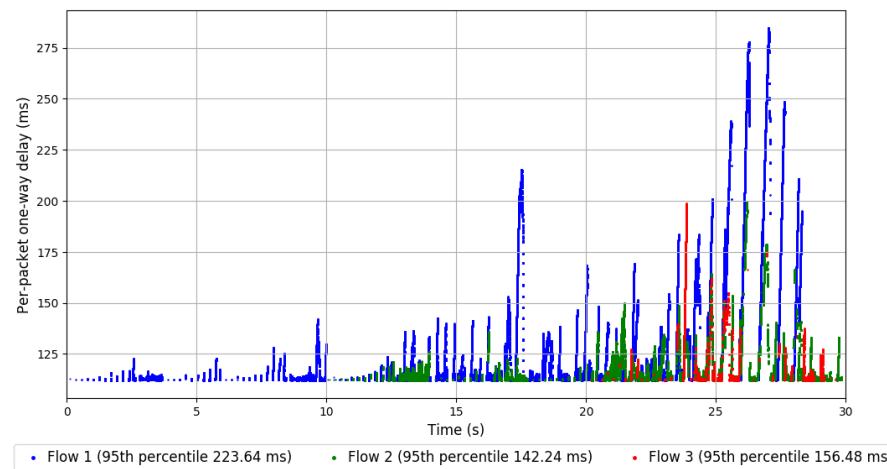
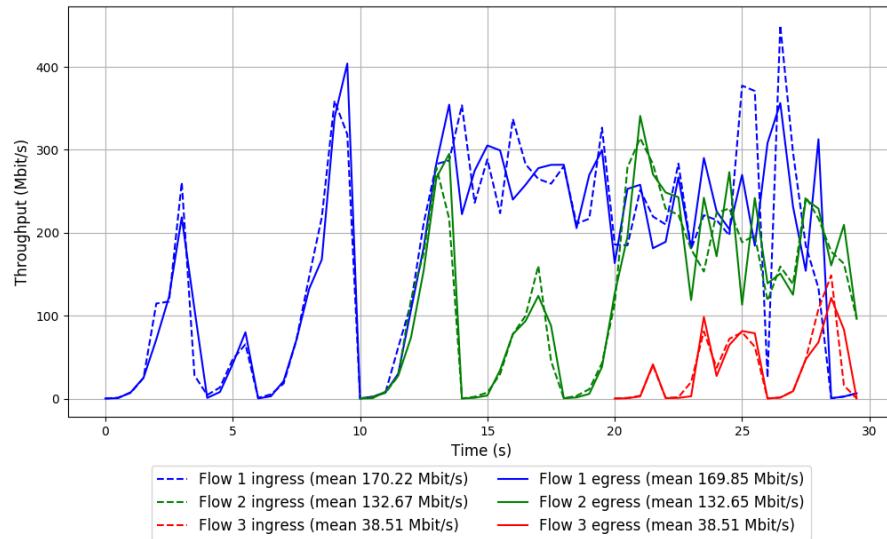
Run 7: Statistics of Verus

Start at: 2017-09-22 04:29:45

End at: 2017-09-22 04:30:15

```
# Below is generated by plot.py at 2017-09-22 06:41:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 269.18 Mbit/s
95th percentile per-packet one-way delay: 199.230 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 169.85 Mbit/s
95th percentile per-packet one-way delay: 223.637 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 132.65 Mbit/s
95th percentile per-packet one-way delay: 142.239 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 156.476 ms
Loss rate: 0.00%
```

Run 7: Report of Verus — Data Link



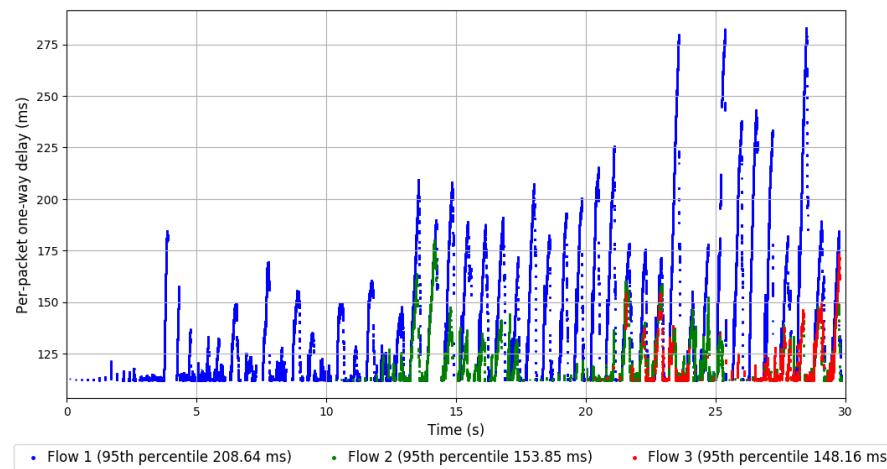
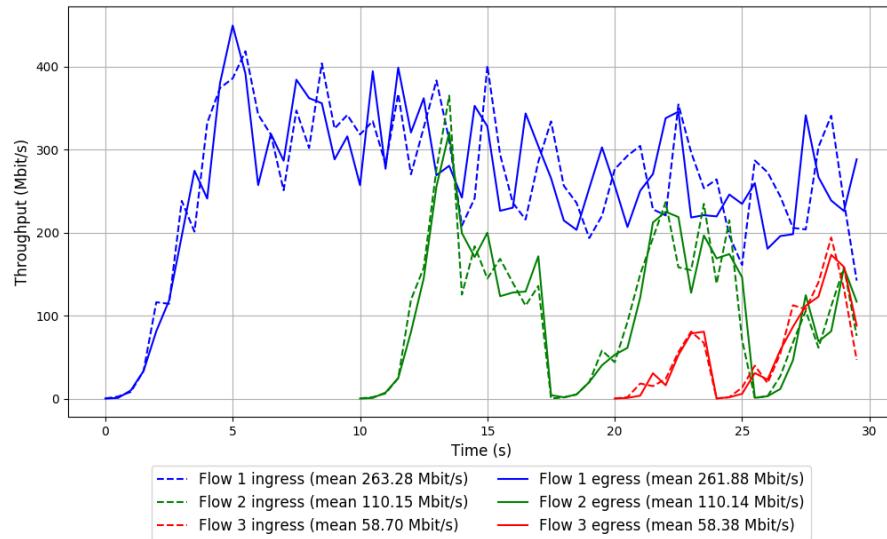
Run 8: Statistics of Verus

Start at: 2017-09-22 04:43:34

End at: 2017-09-22 04:44:04

```
# Below is generated by plot.py at 2017-09-22 06:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.80 Mbit/s
95th percentile per-packet one-way delay: 200.965 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 261.88 Mbit/s
95th percentile per-packet one-way delay: 208.644 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 110.14 Mbit/s
95th percentile per-packet one-way delay: 153.850 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.38 Mbit/s
95th percentile per-packet one-way delay: 148.160 ms
Loss rate: 0.02%
```

Run 8: Report of Verus — Data Link



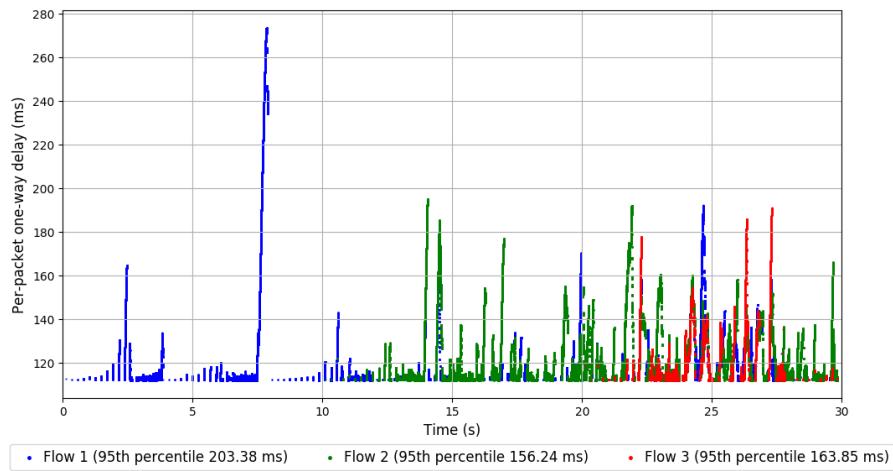
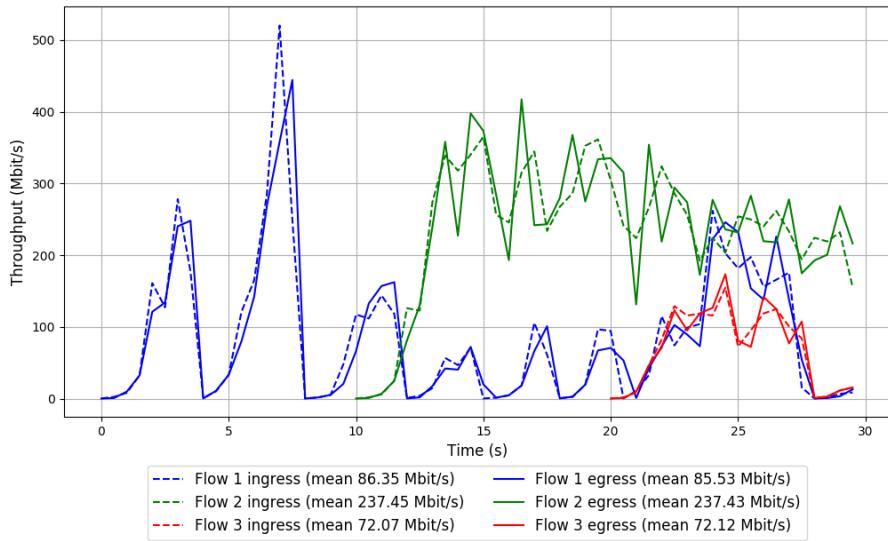
Run 9: Statistics of Verus

Start at: 2017-09-22 04:56:53

End at: 2017-09-22 04:57:23

```
# Below is generated by plot.py at 2017-09-22 06:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 266.42 Mbit/s
95th percentile per-packet one-way delay: 163.900 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 203.382 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 237.43 Mbit/s
95th percentile per-packet one-way delay: 156.240 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 72.12 Mbit/s
95th percentile per-packet one-way delay: 163.853 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link



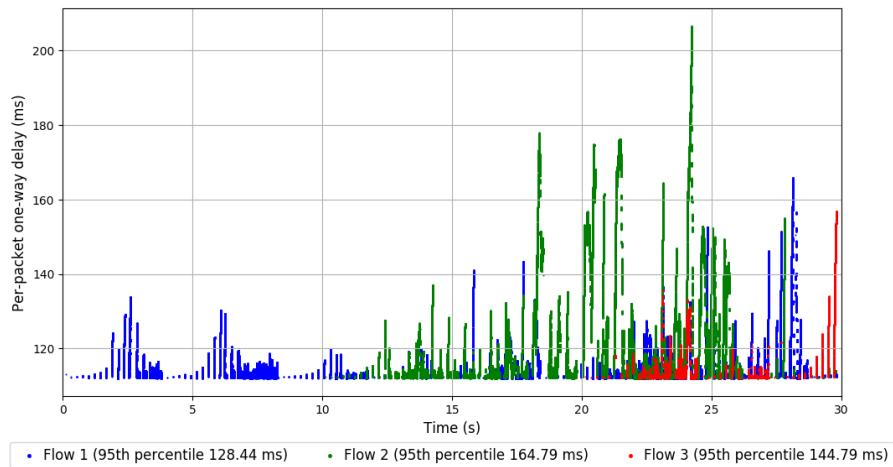
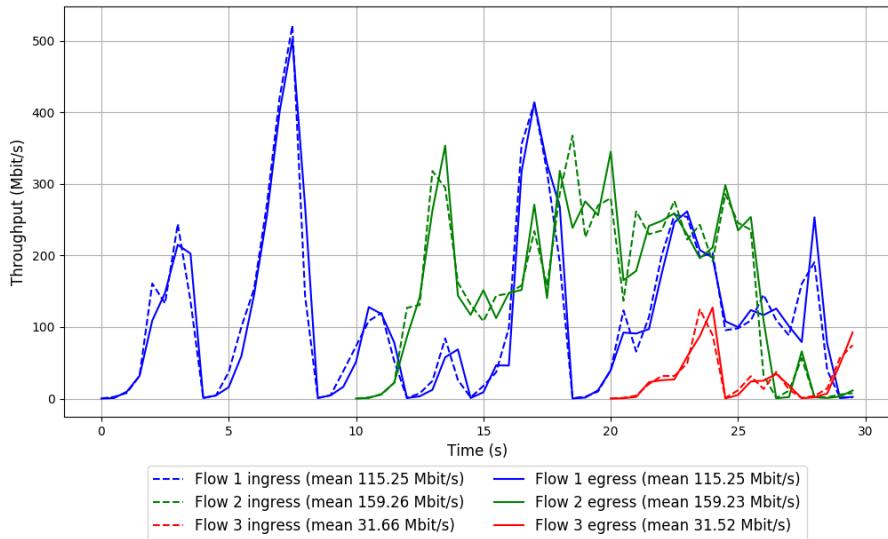
Run 10: Statistics of Verus

Start at: 2017-09-22 05:10:00

End at: 2017-09-22 05:10:30

```
# Below is generated by plot.py at 2017-09-22 06:43:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.74 Mbit/s
95th percentile per-packet one-way delay: 149.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.25 Mbit/s
95th percentile per-packet one-way delay: 128.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 164.793 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 144.787 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link



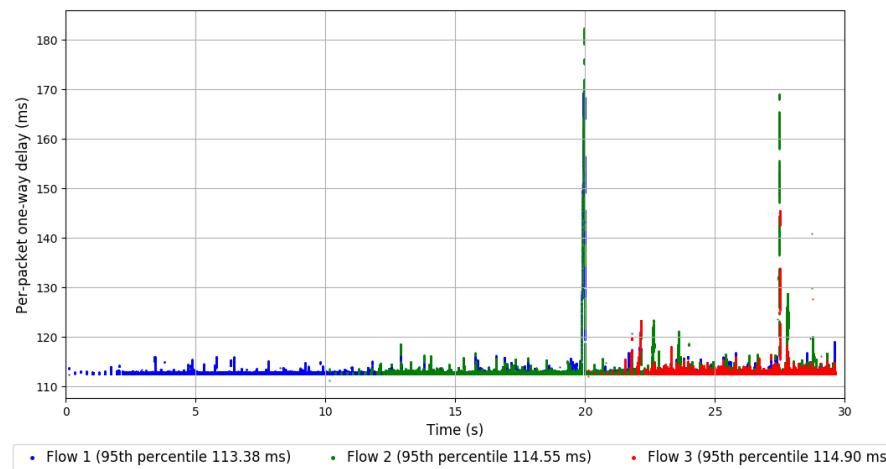
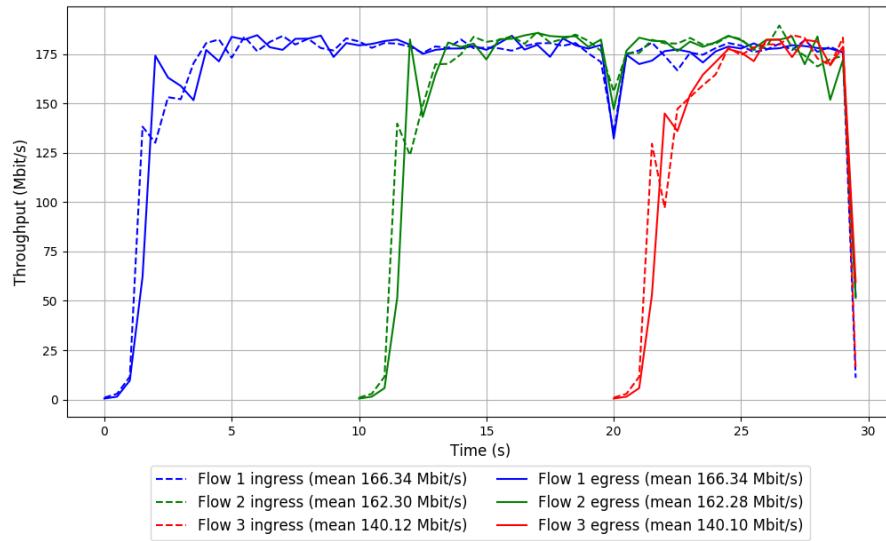
Run 1: Statistics of Indigo

Start at: 2017-09-22 03:06:05

End at: 2017-09-22 03:06:35

```
# Below is generated by plot.py at 2017-09-22 06:44:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 318.47 Mbit/s
95th percentile per-packet one-way delay: 113.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 113.381 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.28 Mbit/s
95th percentile per-packet one-way delay: 114.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 140.10 Mbit/s
95th percentile per-packet one-way delay: 114.896 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



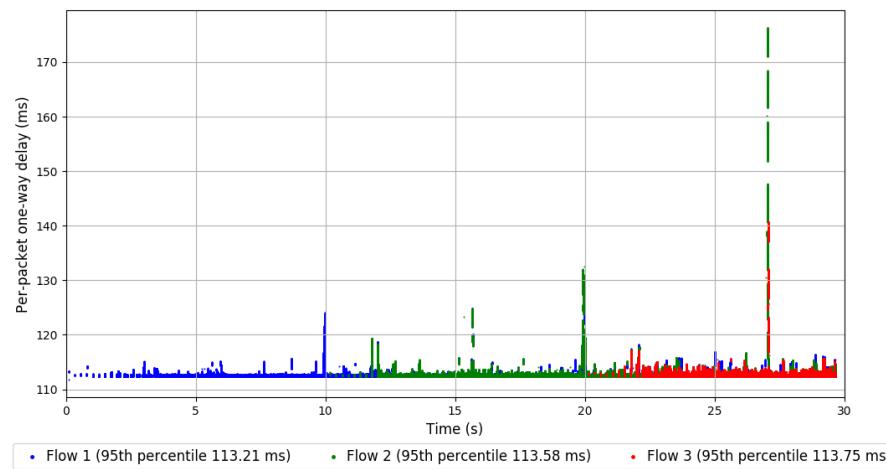
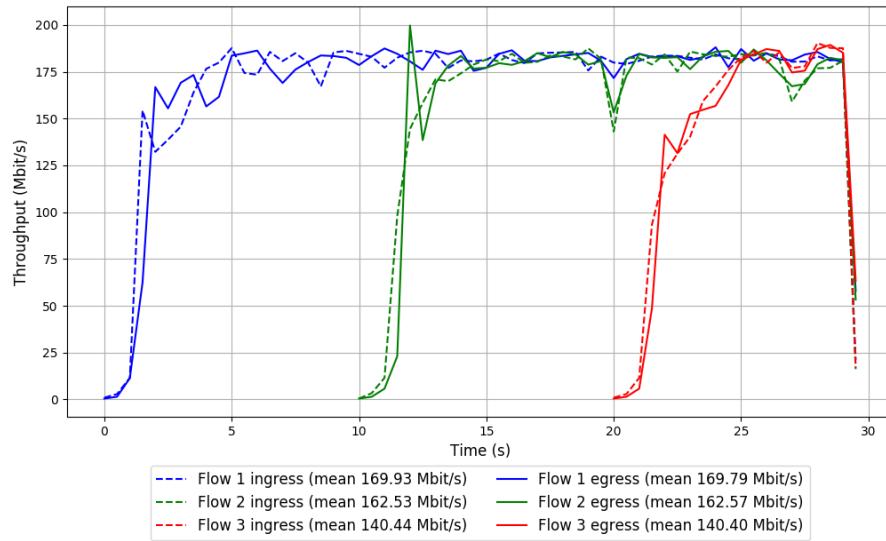
Run 2: Statistics of Indigo

Start at: 2017-09-22 03:19:26

End at: 2017-09-22 03:19:56

```
# Below is generated by plot.py at 2017-09-22 06:45:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 322.16 Mbit/s
95th percentile per-packet one-way delay: 113.402 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 169.79 Mbit/s
95th percentile per-packet one-way delay: 113.208 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 162.57 Mbit/s
95th percentile per-packet one-way delay: 113.584 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 140.40 Mbit/s
95th percentile per-packet one-way delay: 113.750 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link



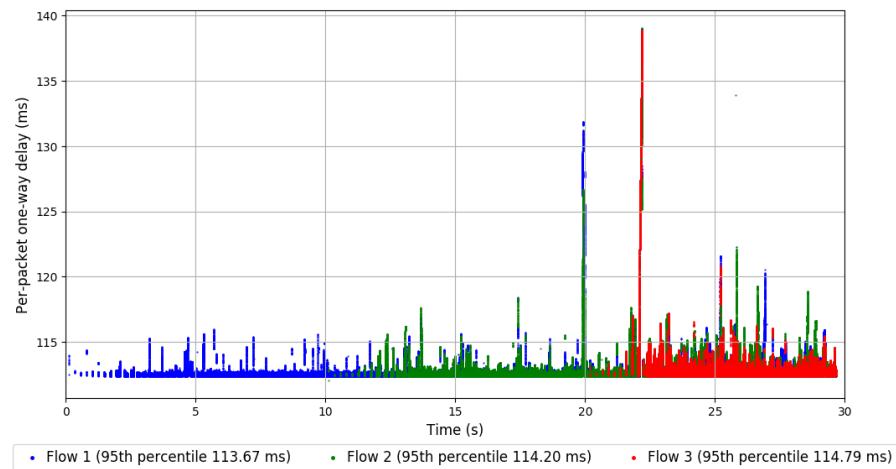
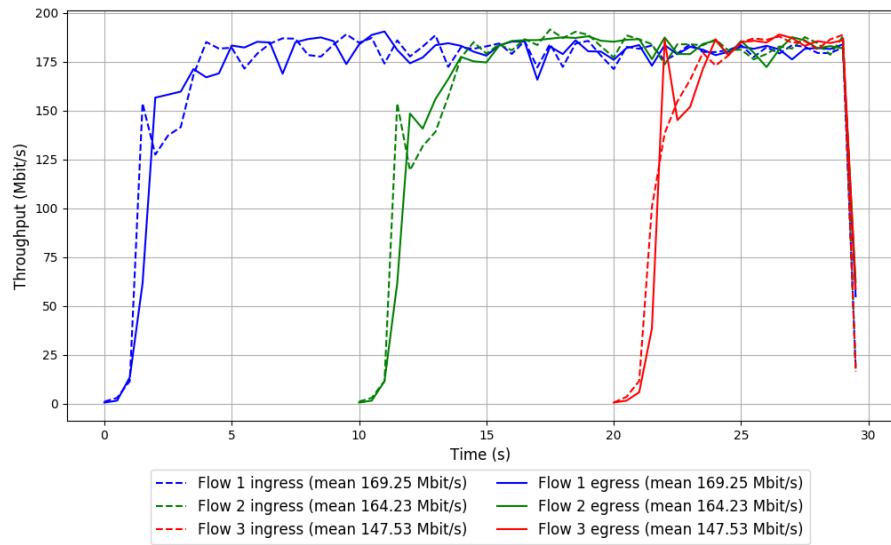
Run 3: Statistics of Indigo

Start at: 2017-09-22 03:33:08

End at: 2017-09-22 03:33:38

```
# Below is generated by plot.py at 2017-09-22 06:45:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.14 Mbit/s
95th percentile per-packet one-way delay: 114.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.25 Mbit/s
95th percentile per-packet one-way delay: 113.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.23 Mbit/s
95th percentile per-packet one-way delay: 114.197 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.53 Mbit/s
95th percentile per-packet one-way delay: 114.789 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link



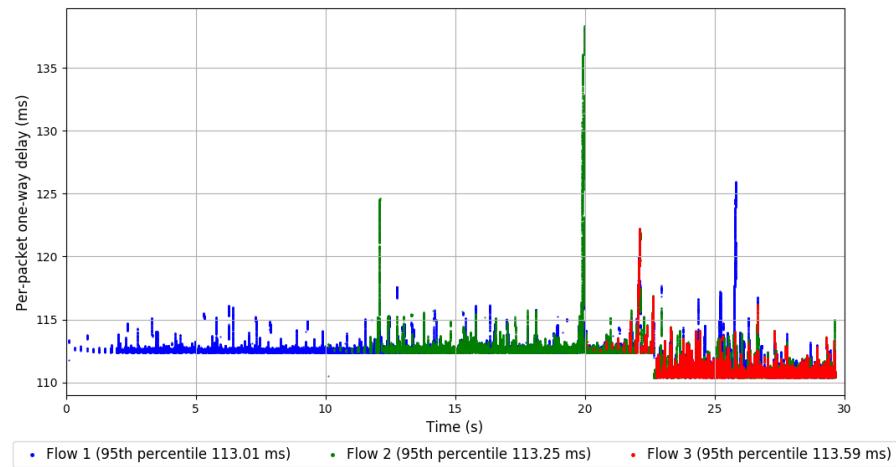
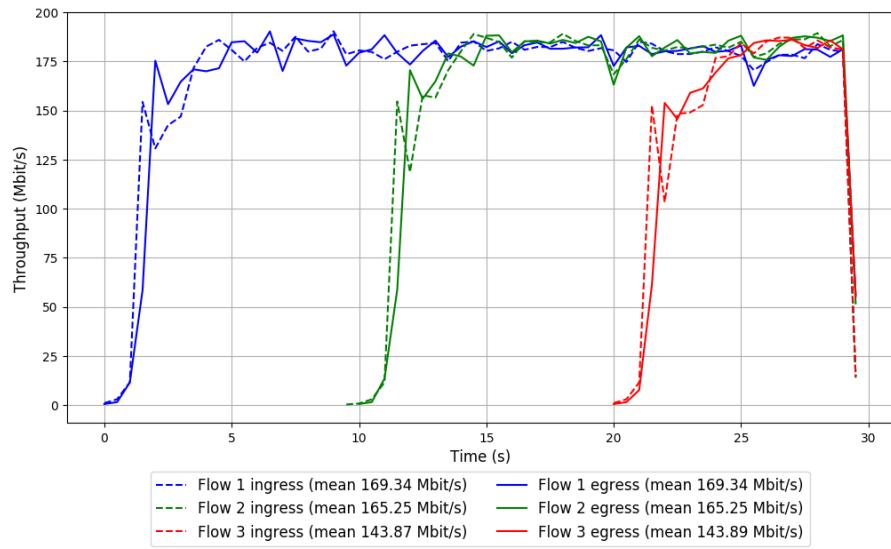
Run 4: Statistics of Indigo

Start at: 2017-09-22 03:46:37

End at: 2017-09-22 03:47:07

```
# Below is generated by plot.py at 2017-09-22 06:45:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.08 Mbit/s
95th percentile per-packet one-way delay: 113.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.34 Mbit/s
95th percentile per-packet one-way delay: 113.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 165.25 Mbit/s
95th percentile per-packet one-way delay: 113.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 143.89 Mbit/s
95th percentile per-packet one-way delay: 113.588 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link



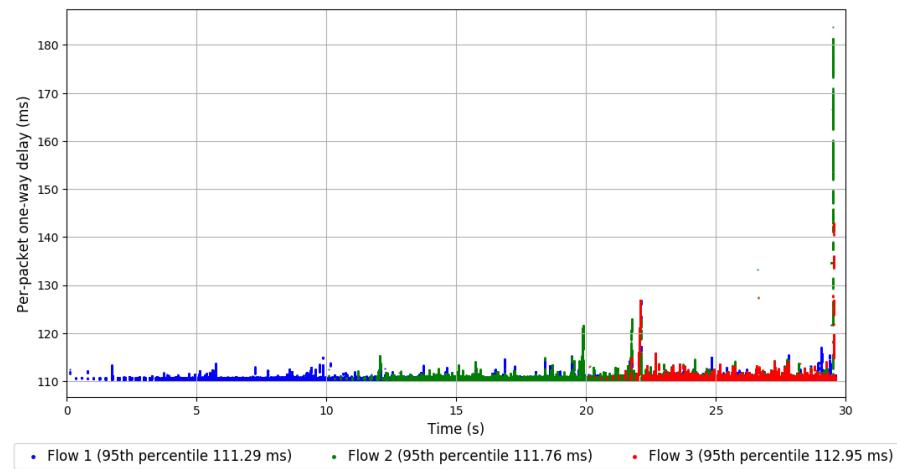
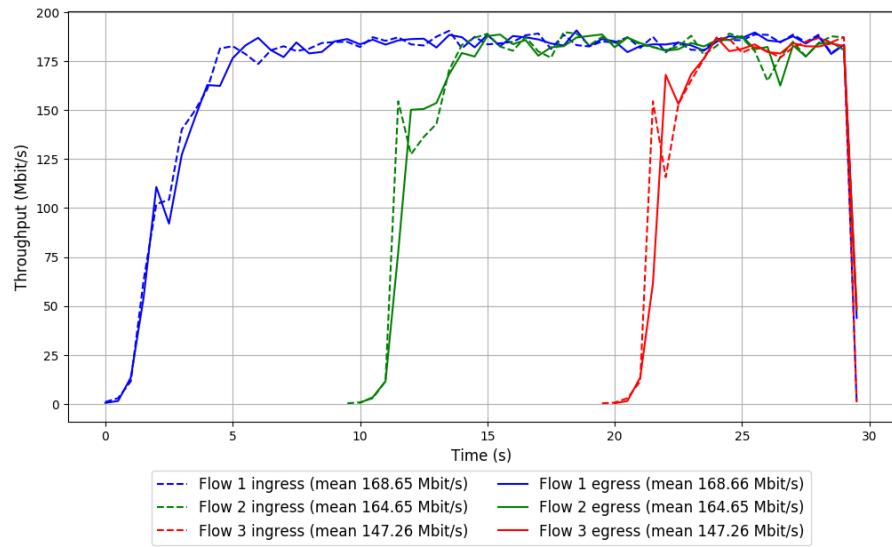
Run 5: Statistics of Indigo

Start at: 2017-09-22 03:59:57

End at: 2017-09-22 04:00:27

```
# Below is generated by plot.py at 2017-09-22 06:46:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.15 Mbit/s
95th percentile per-packet one-way delay: 111.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.66 Mbit/s
95th percentile per-packet one-way delay: 111.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.65 Mbit/s
95th percentile per-packet one-way delay: 111.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.26 Mbit/s
95th percentile per-packet one-way delay: 112.950 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link



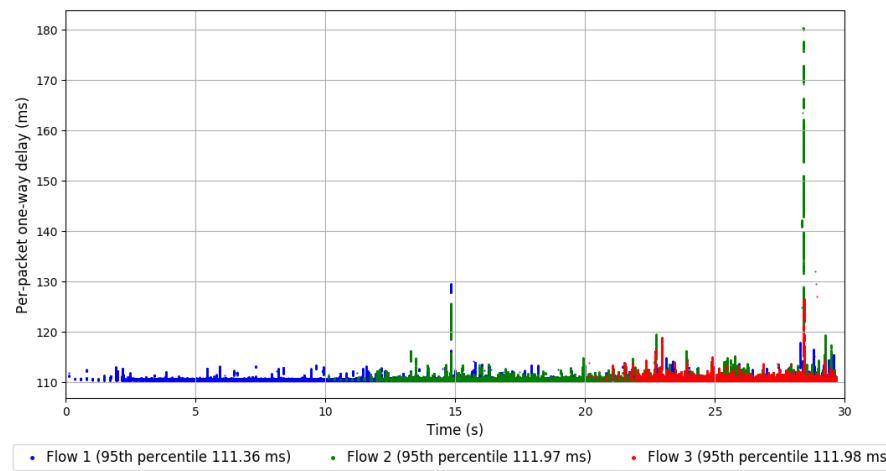
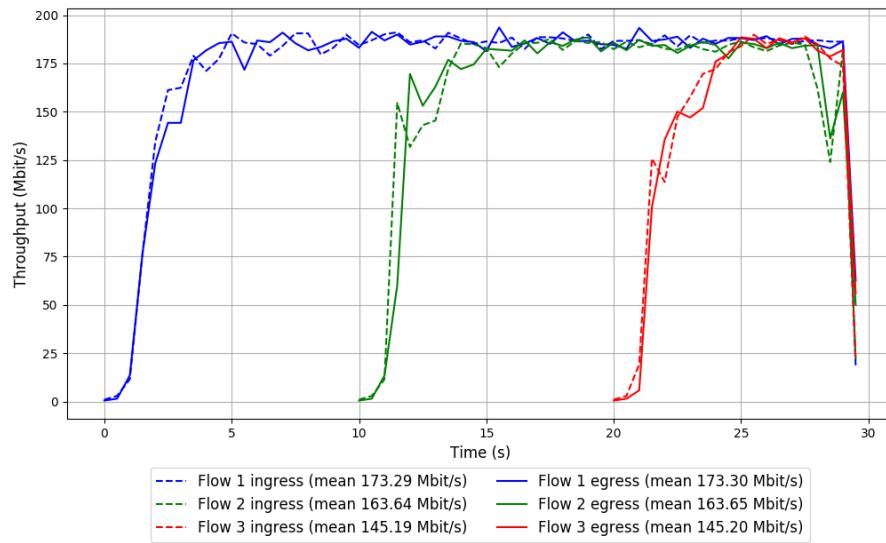
Run 6: Statistics of Indigo

Start at: 2017-09-22 04:13:49

End at: 2017-09-22 04:14:19

```
# Below is generated by plot.py at 2017-09-22 06:48:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.35 Mbit/s
95th percentile per-packet one-way delay: 111.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.30 Mbit/s
95th percentile per-packet one-way delay: 111.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 163.65 Mbit/s
95th percentile per-packet one-way delay: 111.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.20 Mbit/s
95th percentile per-packet one-way delay: 111.985 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link



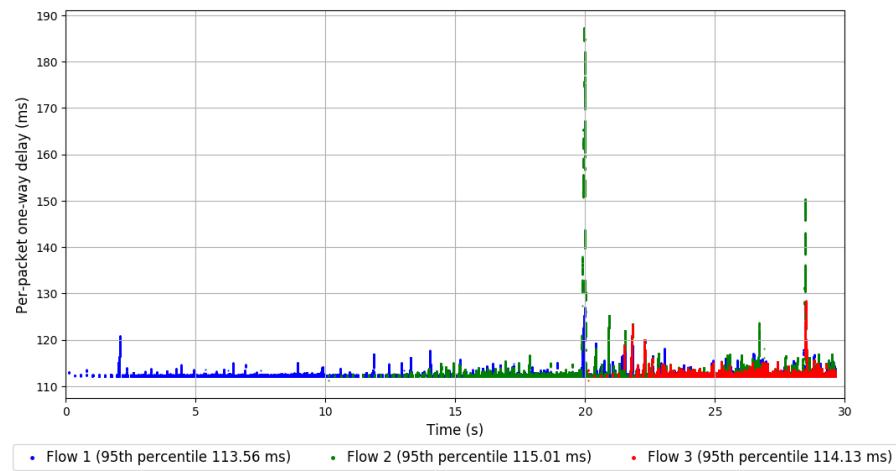
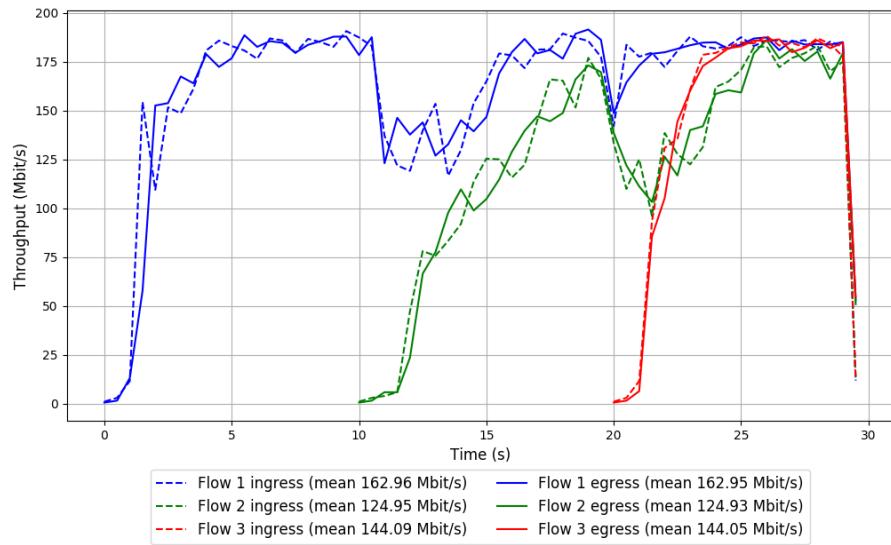
Run 7: Statistics of Indigo

Start at: 2017-09-22 04:27:46

End at: 2017-09-22 04:28:16

```
# Below is generated by plot.py at 2017-09-22 06:48:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.97 Mbit/s
95th percentile per-packet one-way delay: 114.052 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 162.95 Mbit/s
95th percentile per-packet one-way delay: 113.562 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 124.93 Mbit/s
95th percentile per-packet one-way delay: 115.014 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 144.05 Mbit/s
95th percentile per-packet one-way delay: 114.127 ms
Loss rate: 0.03%
```

Run 7: Report of Indigo — Data Link



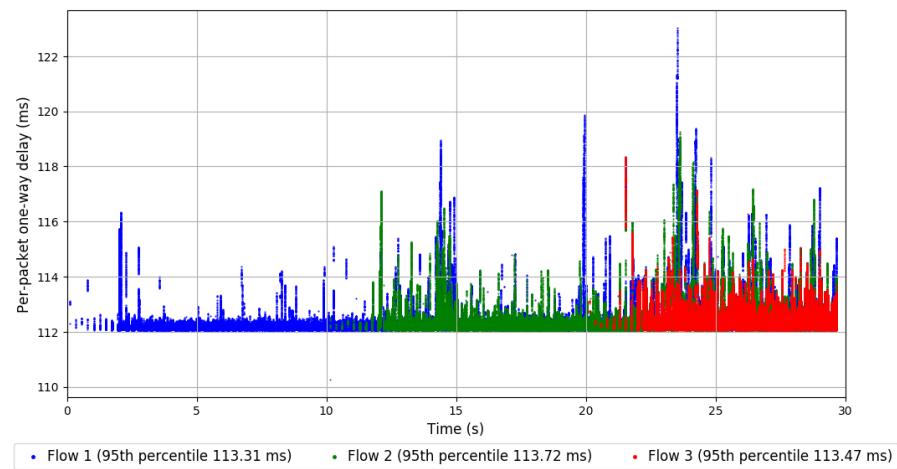
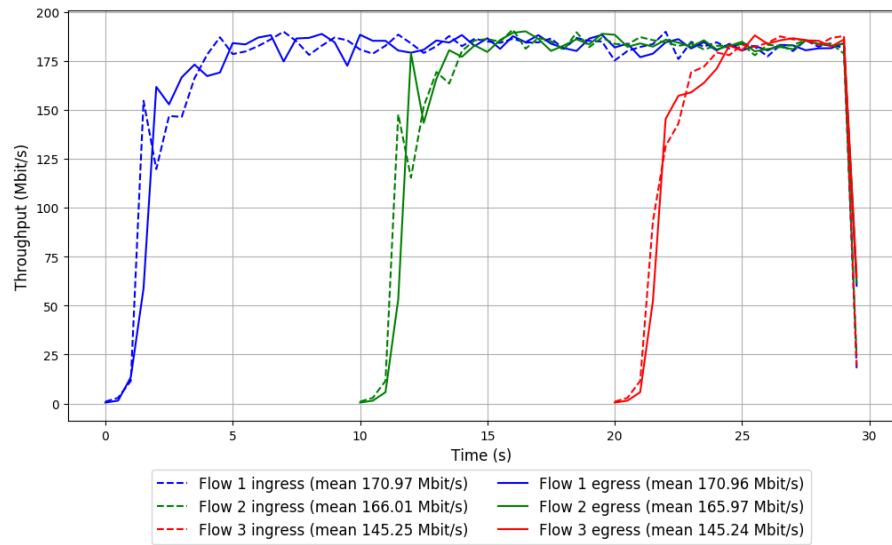
Run 8: Statistics of Indigo

Start at: 2017-09-22 04:41:30

End at: 2017-09-22 04:42:00

```
# Below is generated by plot.py at 2017-09-22 06:49:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.46 Mbit/s
95th percentile per-packet one-way delay: 113.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.96 Mbit/s
95th percentile per-packet one-way delay: 113.312 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 165.97 Mbit/s
95th percentile per-packet one-way delay: 113.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.24 Mbit/s
95th percentile per-packet one-way delay: 113.471 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link



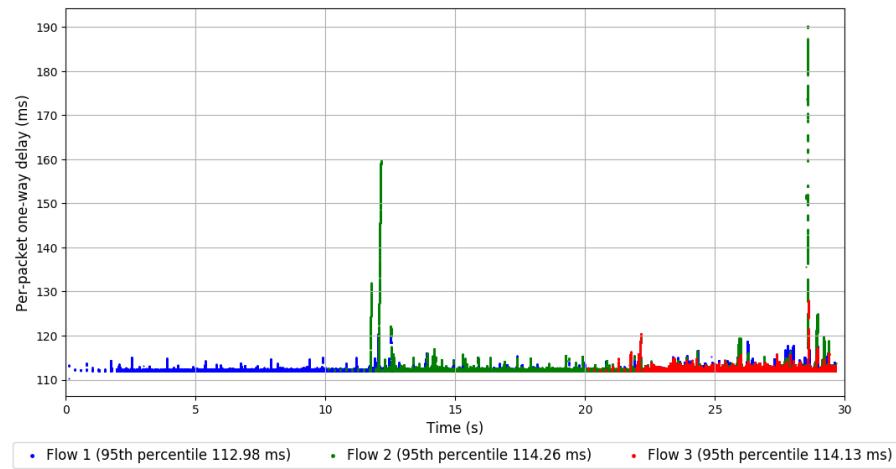
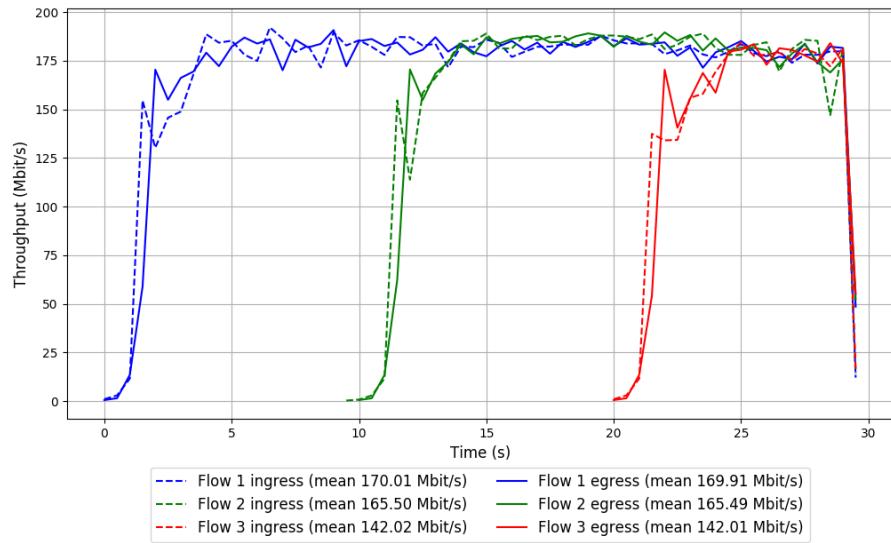
Run 9: Statistics of Indigo

Start at: 2017-09-22 04:54:52

End at: 2017-09-22 04:55:22

```
# Below is generated by plot.py at 2017-09-22 06:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.22 Mbit/s
95th percentile per-packet one-way delay: 113.385 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 169.91 Mbit/s
95th percentile per-packet one-way delay: 112.984 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 165.49 Mbit/s
95th percentile per-packet one-way delay: 114.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.01 Mbit/s
95th percentile per-packet one-way delay: 114.131 ms
Loss rate: 0.01%
```

Run 9: Report of Indigo — Data Link



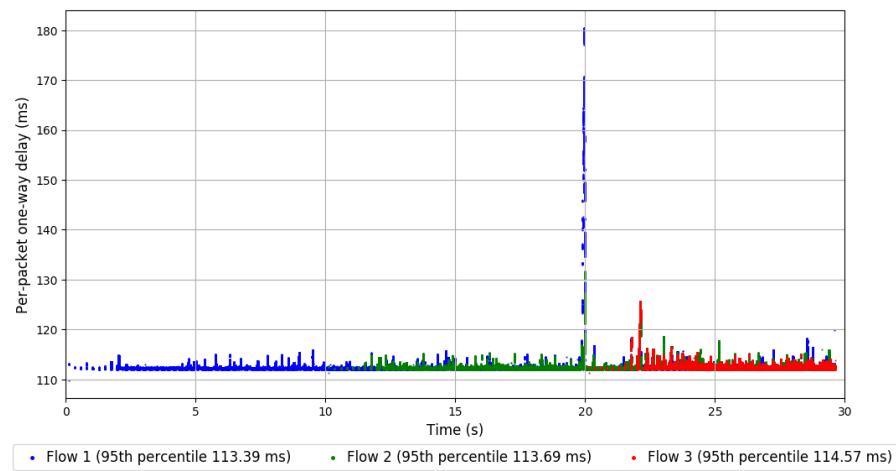
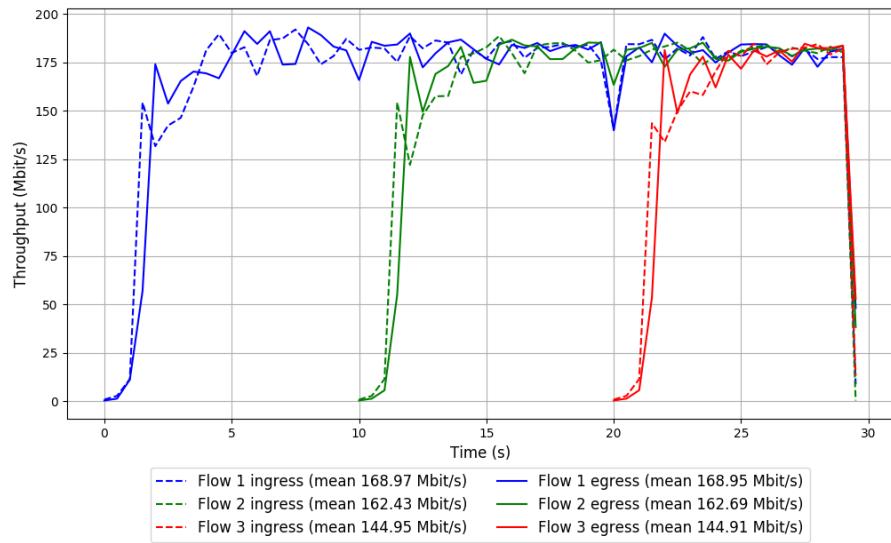
Run 10: Statistics of Indigo

Start at: 2017-09-22 05:07:59

End at: 2017-09-22 05:08:29

```
# Below is generated by plot.py at 2017-09-22 06:50:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.02 Mbit/s
95th percentile per-packet one-way delay: 113.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.95 Mbit/s
95th percentile per-packet one-way delay: 113.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.69 Mbit/s
95th percentile per-packet one-way delay: 113.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.91 Mbit/s
95th percentile per-packet one-way delay: 114.573 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

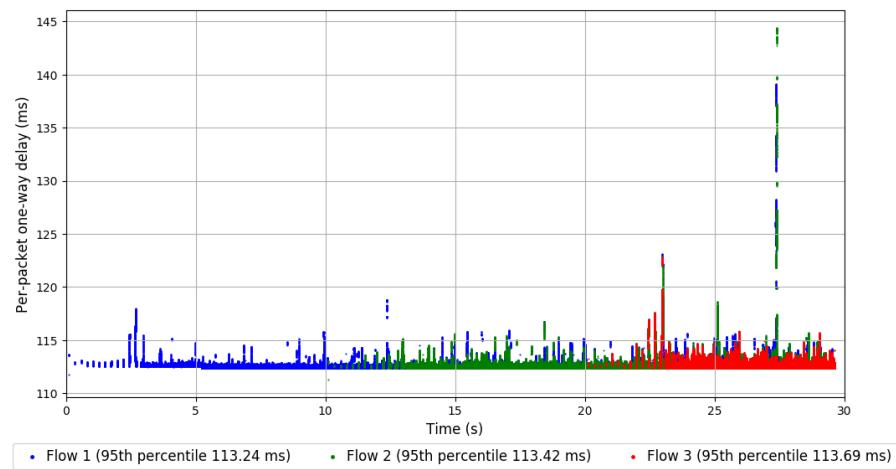
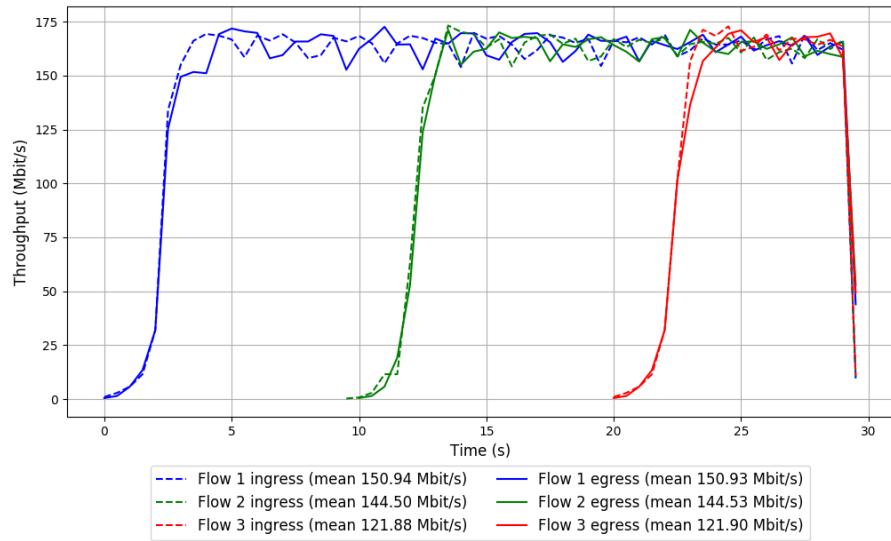


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-22 03:16:56
End at: 2017-09-22 03:17:26

# Below is generated by plot.py at 2017-09-22 06:50:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 285.78 Mbit/s
95th percentile per-packet one-way delay: 113.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 113.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.53 Mbit/s
95th percentile per-packet one-way delay: 113.420 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.90 Mbit/s
95th percentile per-packet one-way delay: 113.693 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link



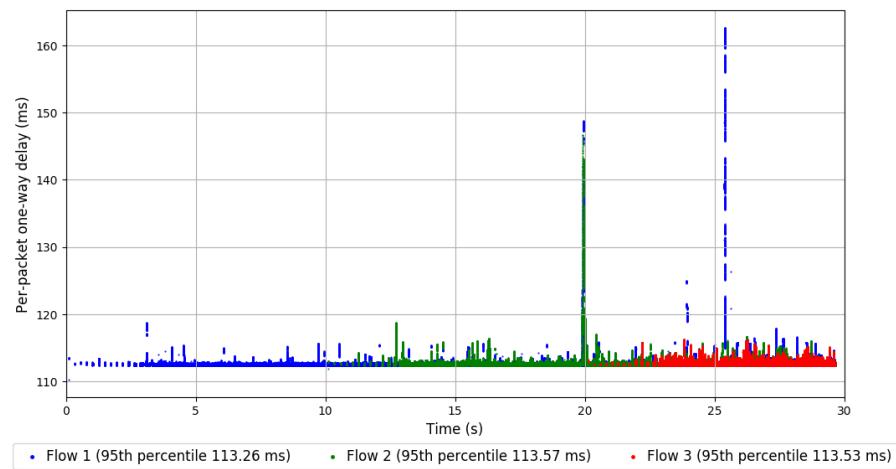
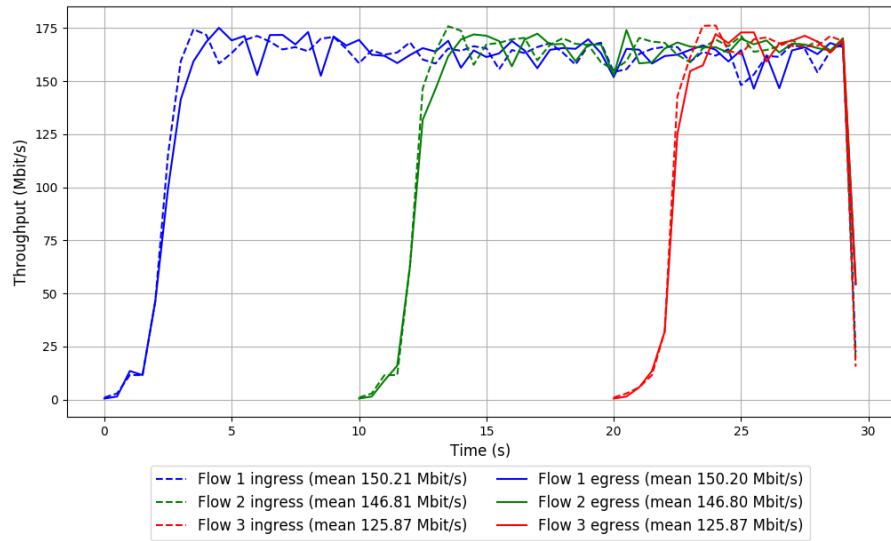
Run 2: Statistics of Indigo-calib

Start at: 2017-09-22 03:30:39

End at: 2017-09-22 03:31:09

```
# Below is generated by plot.py at 2017-09-22 06:50:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.83 Mbit/s
95th percentile per-packet one-way delay: 113.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.20 Mbit/s
95th percentile per-packet one-way delay: 113.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.80 Mbit/s
95th percentile per-packet one-way delay: 113.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.87 Mbit/s
95th percentile per-packet one-way delay: 113.527 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-calib — Data Link

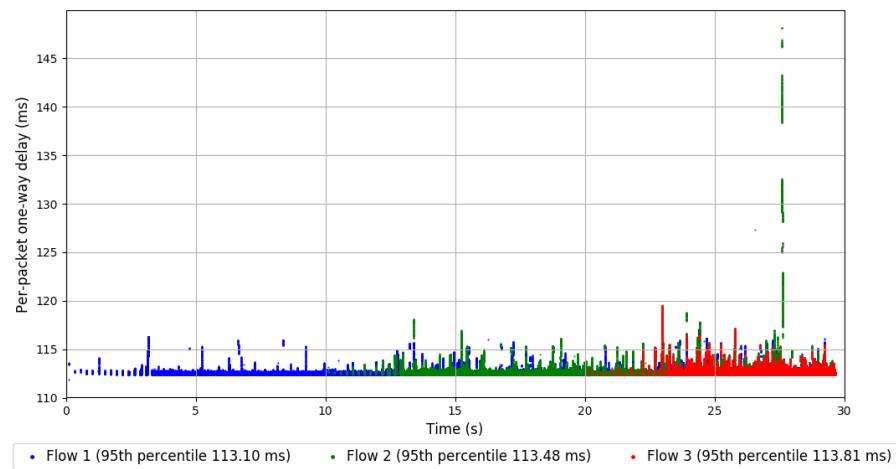
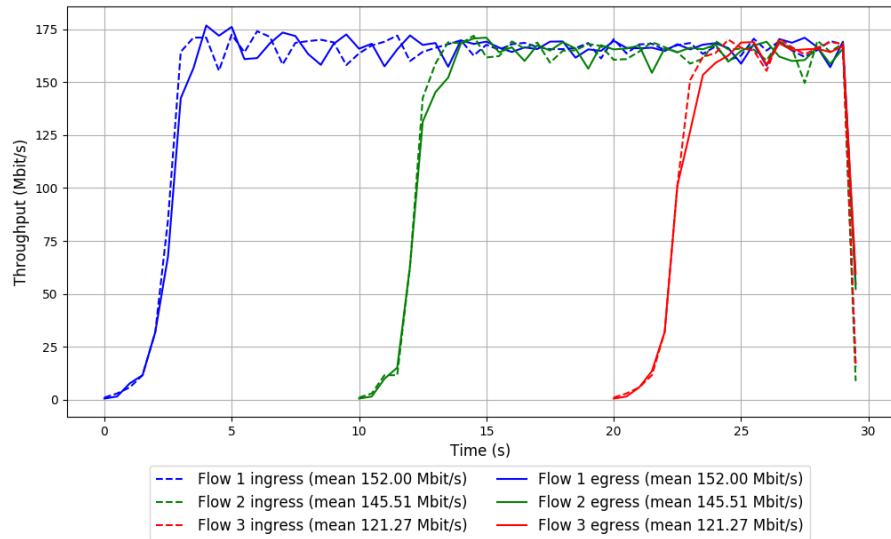


```
Run 3: Statistics of Indigo-calib

Start at: 2017-09-22 03:44:06
End at: 2017-09-22 03:44:36

# Below is generated by plot.py at 2017-09-22 06:50:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.19 Mbit/s
95th percentile per-packet one-way delay: 113.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.00 Mbit/s
95th percentile per-packet one-way delay: 113.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.51 Mbit/s
95th percentile per-packet one-way delay: 113.477 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.27 Mbit/s
95th percentile per-packet one-way delay: 113.809 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-calib — Data Link

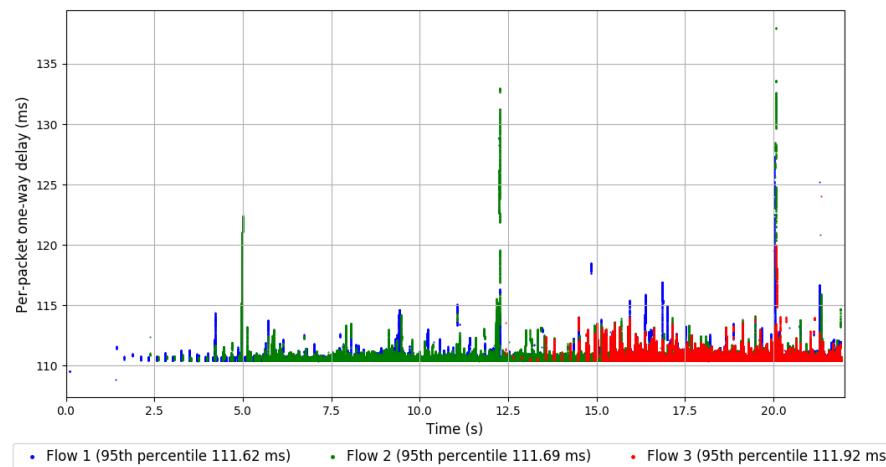
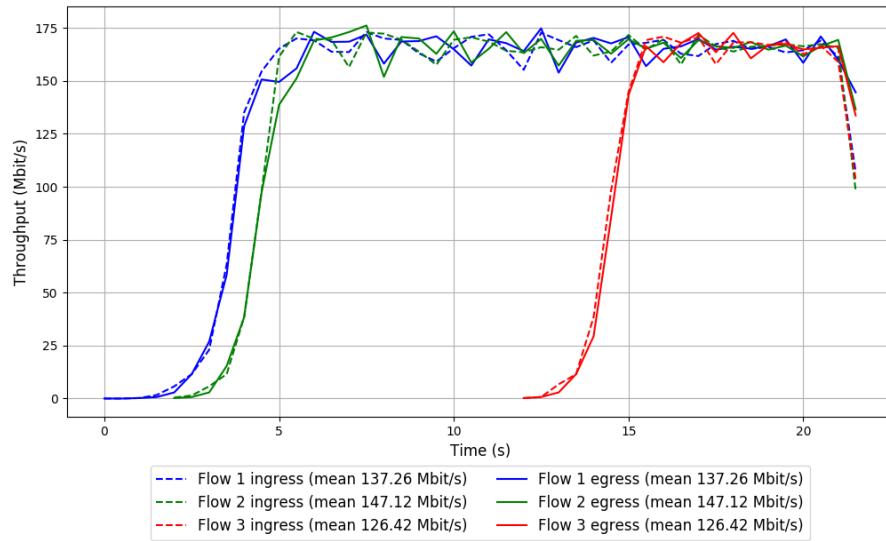


Run 4: Statistics of Indigo-calib

Start at: 2017-09-22 03:57:30

End at: 2017-09-22 03:58:00

Run 4: Report of Indigo-calib — Data Link



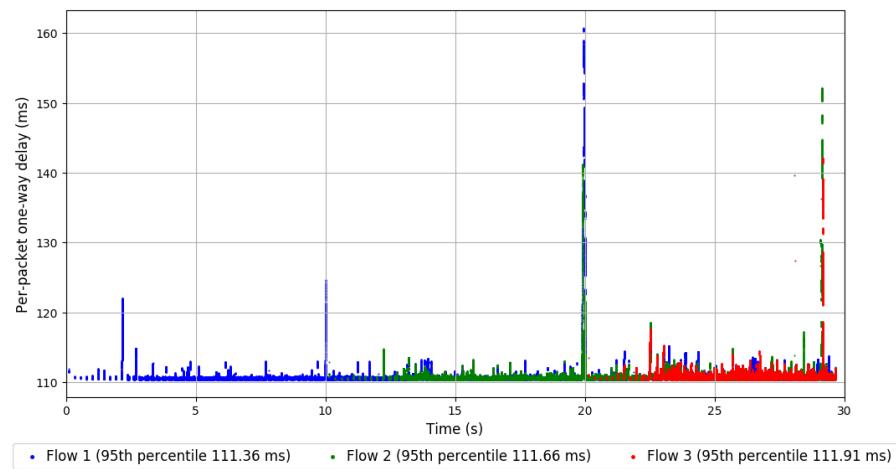
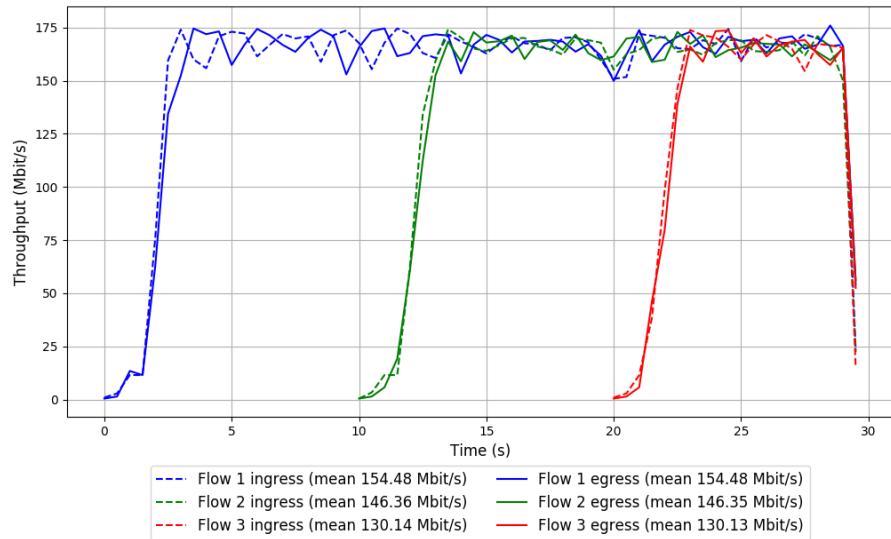
Run 5: Statistics of Indigo-calib

Start at: 2017-09-22 04:11:20

End at: 2017-09-22 04:11:50

```
# Below is generated by plot.py at 2017-09-22 06:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.05 Mbit/s
95th percentile per-packet one-way delay: 111.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.48 Mbit/s
95th percentile per-packet one-way delay: 111.362 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.35 Mbit/s
95th percentile per-packet one-way delay: 111.659 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.13 Mbit/s
95th percentile per-packet one-way delay: 111.908 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-calib — Data Link



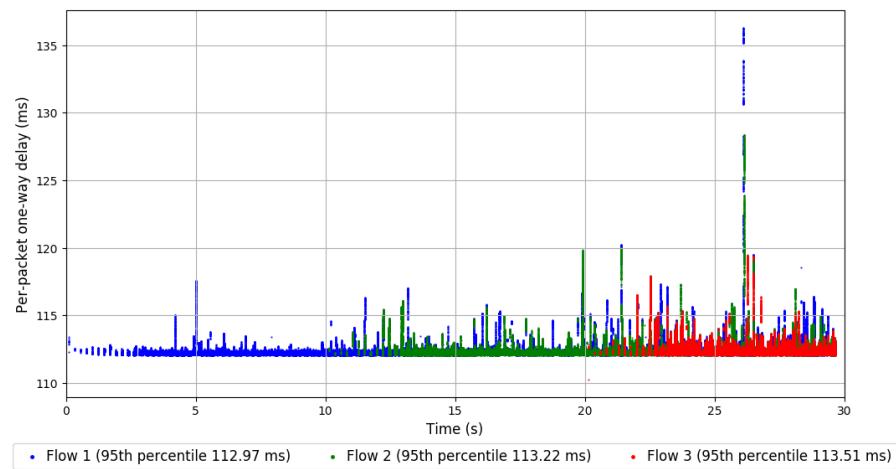
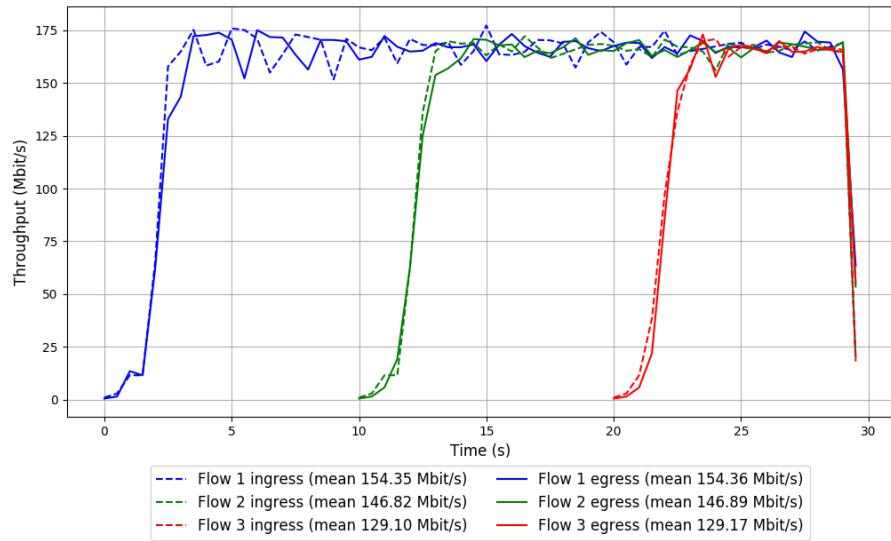
Run 6: Statistics of Indigo-calib

Start at: 2017-09-22 04:25:15

End at: 2017-09-22 04:25:45

```
# Below is generated by plot.py at 2017-09-22 06:53:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.06 Mbit/s
95th percentile per-packet one-way delay: 113.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.36 Mbit/s
95th percentile per-packet one-way delay: 112.975 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.89 Mbit/s
95th percentile per-packet one-way delay: 113.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.17 Mbit/s
95th percentile per-packet one-way delay: 113.511 ms
Loss rate: 0.02%
```

Run 6: Report of Indigo-calib — Data Link



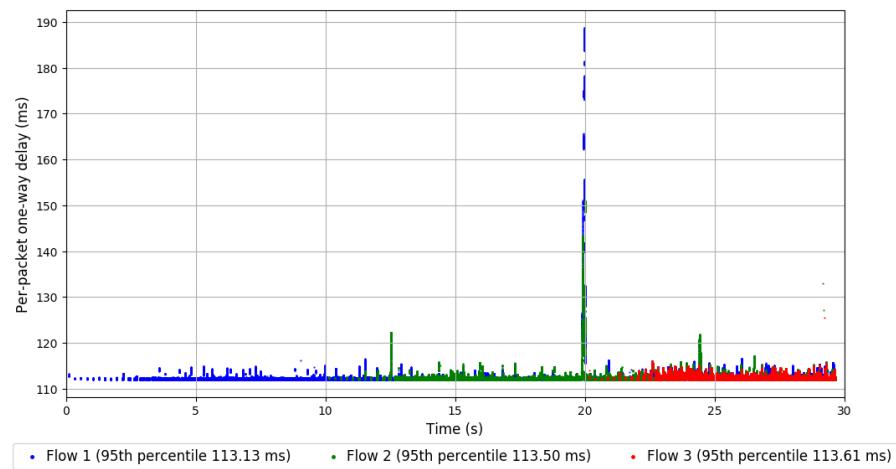
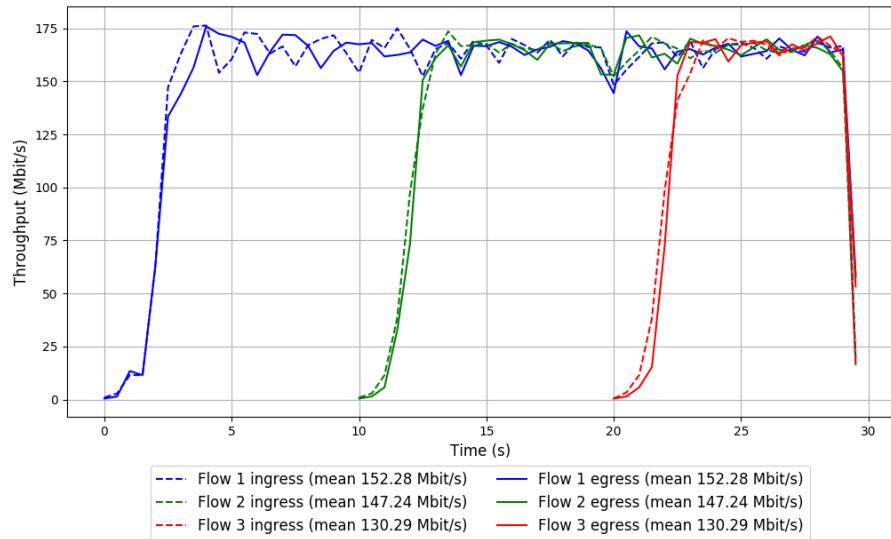
Run 7: Statistics of Indigo-calib

Start at: 2017-09-22 04:39:02

End at: 2017-09-22 04:39:32

```
# Below is generated by plot.py at 2017-09-22 06:53:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.35 Mbit/s
95th percentile per-packet one-way delay: 113.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.28 Mbit/s
95th percentile per-packet one-way delay: 113.134 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.24 Mbit/s
95th percentile per-packet one-way delay: 113.497 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.29 Mbit/s
95th percentile per-packet one-way delay: 113.608 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo-calib — Data Link

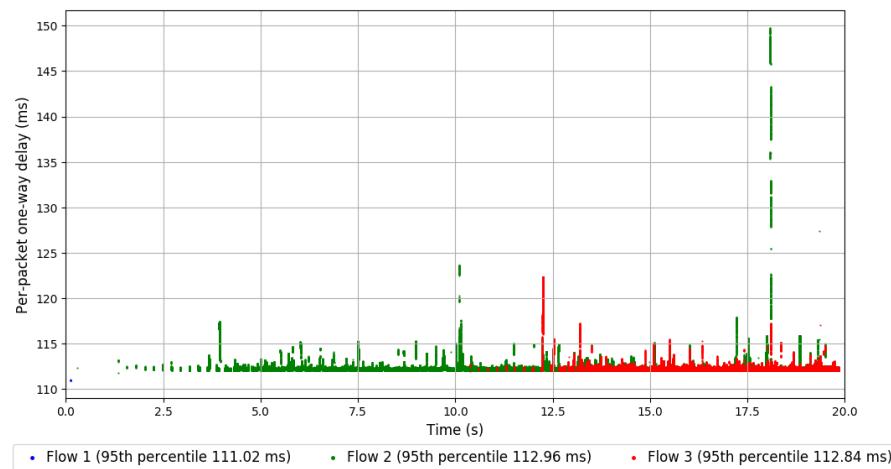
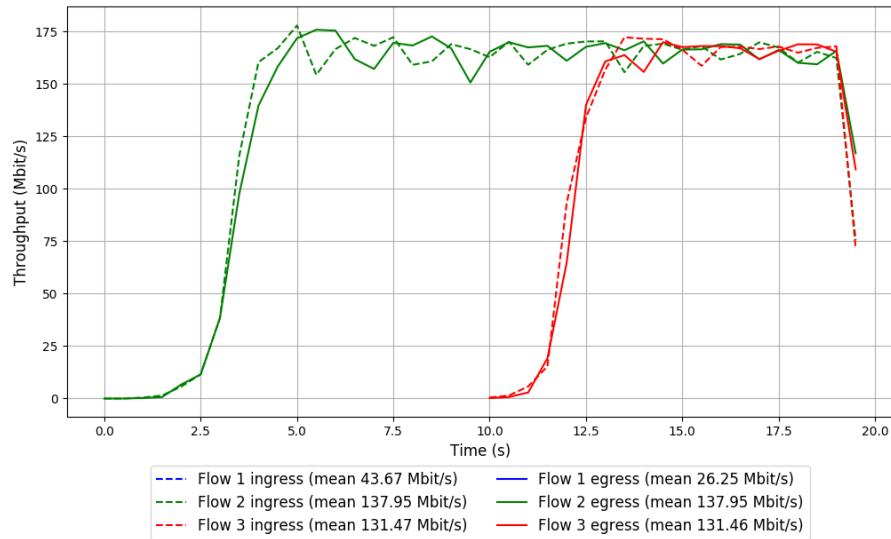


Run 8: Statistics of Indigo-calib

Start at: 2017-09-22 04:52:34

End at: 2017-09-22 04:53:04

Run 8: Report of Indigo-calib — Data Link



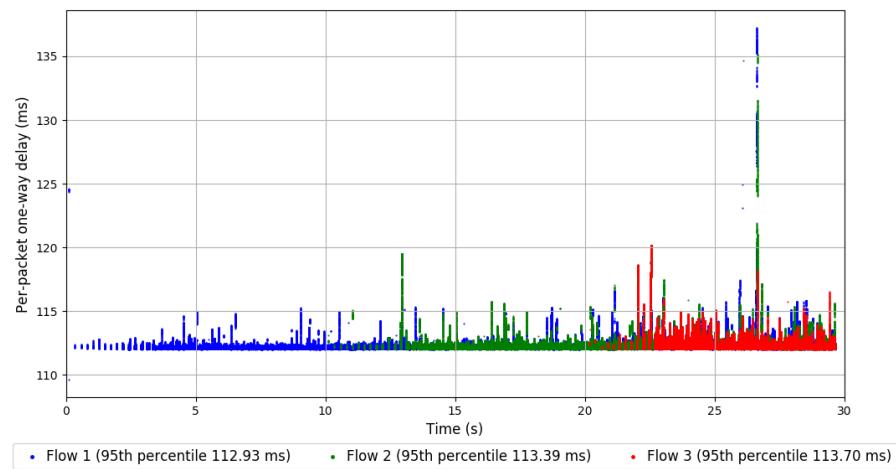
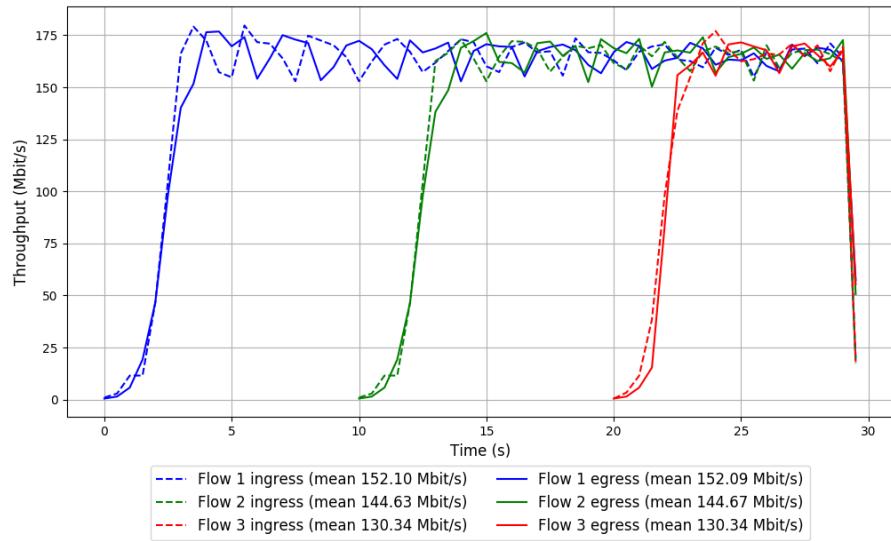
Run 9: Statistics of Indigo-calib

Start at: 2017-09-22 05:05:55

End at: 2017-09-22 05:06:25

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.51 Mbit/s
95th percentile per-packet one-way delay: 113.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.09 Mbit/s
95th percentile per-packet one-way delay: 112.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.67 Mbit/s
95th percentile per-packet one-way delay: 113.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.34 Mbit/s
95th percentile per-packet one-way delay: 113.703 ms
Loss rate: 0.01%
```

Run 9: Report of Indigo-calib — Data Link

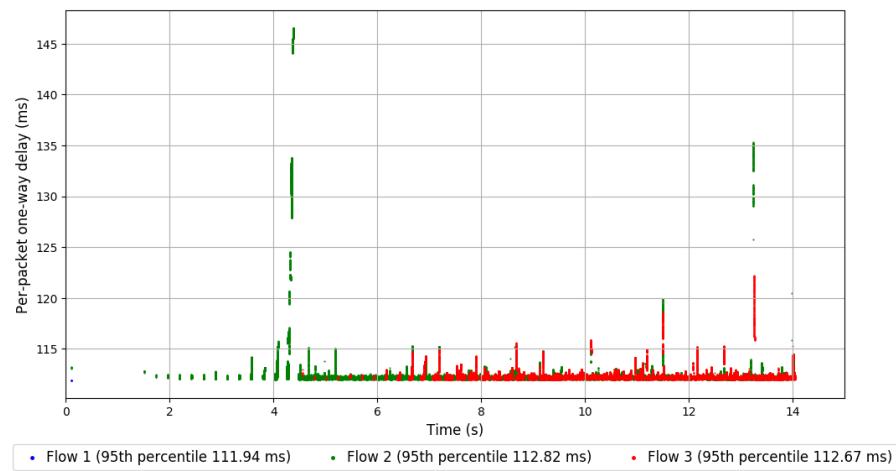
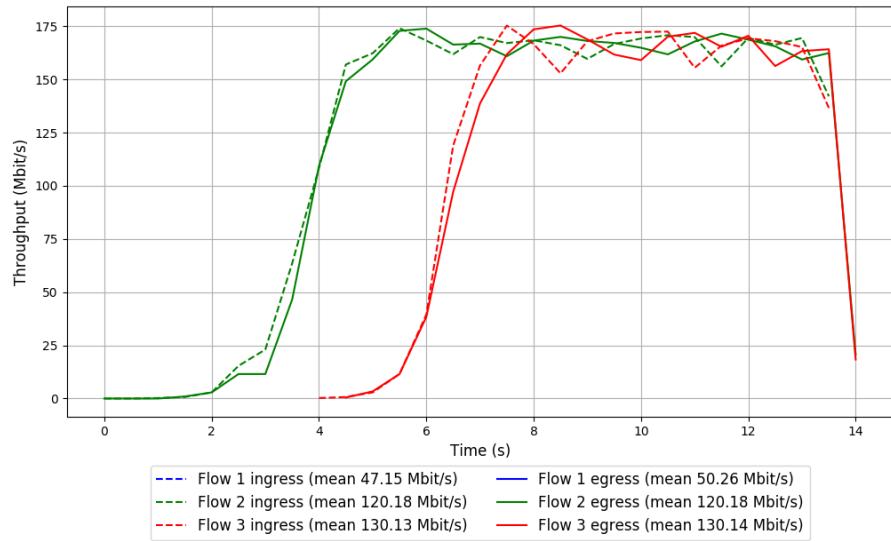


Run 10: Statistics of Indigo-calib

Start at: 2017-09-22 05:18:41

End at: 2017-09-22 05:19:11

Run 10: Report of Indigo-calib — Data Link



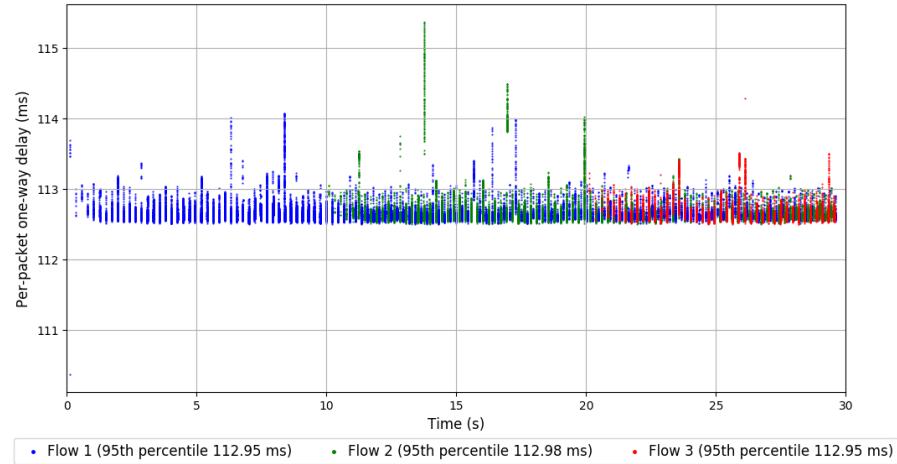
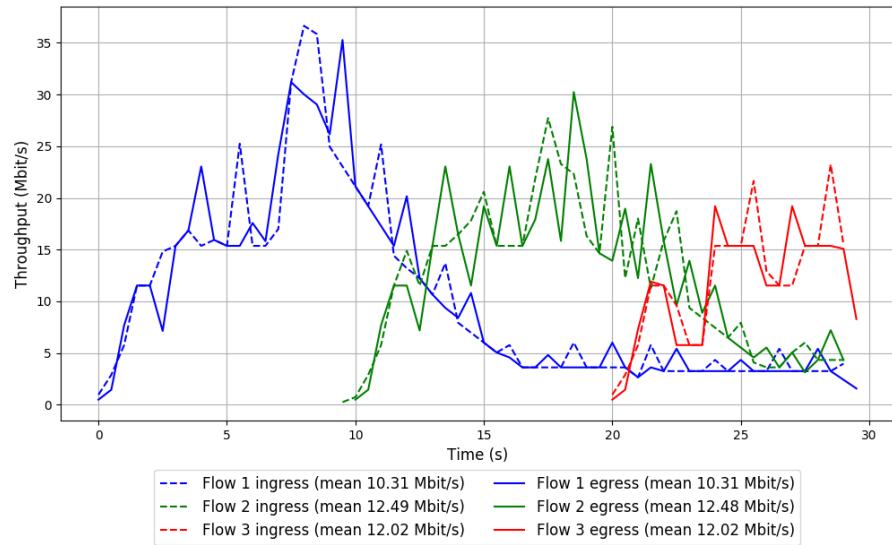
Run 1: Statistics of Indigo-delay

Start at: 2017-09-22 03:16:07

End at: 2017-09-22 03:16:37

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 112.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 112.955 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 112.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 112.953 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-delay — Data Link



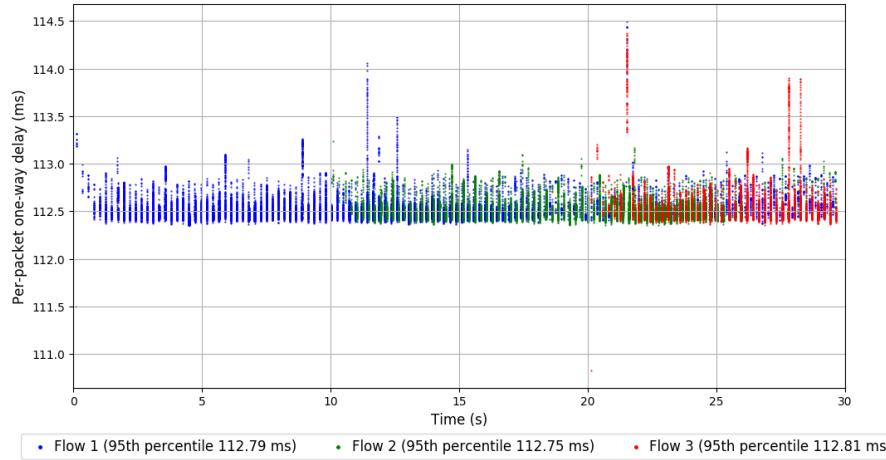
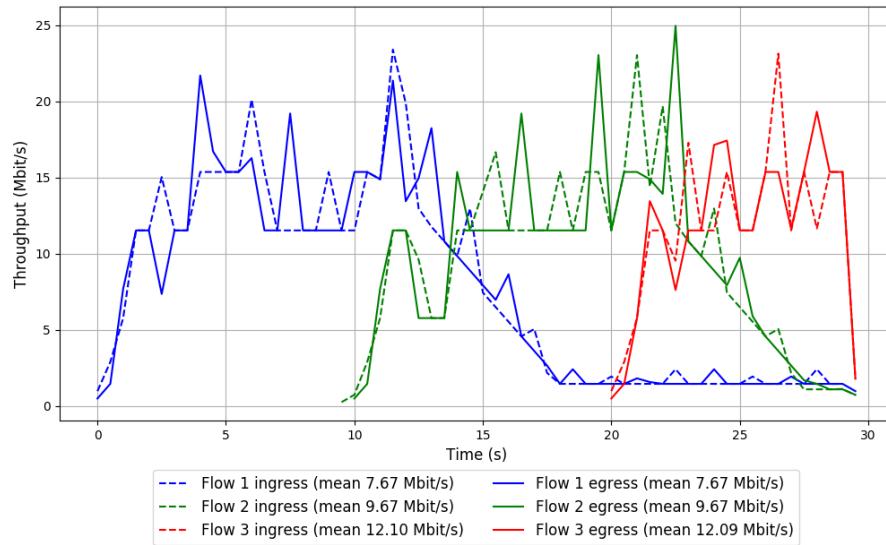
Run 2: Statistics of Indigo-delay

Start at: 2017-09-22 03:29:50

End at: 2017-09-22 03:30:20

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.92 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 112.787 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 112.755 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 112.813 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-delay — Data Link



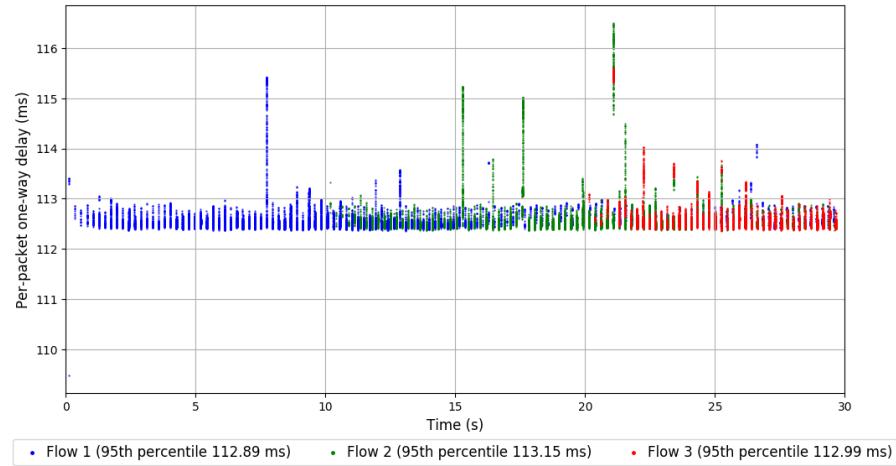
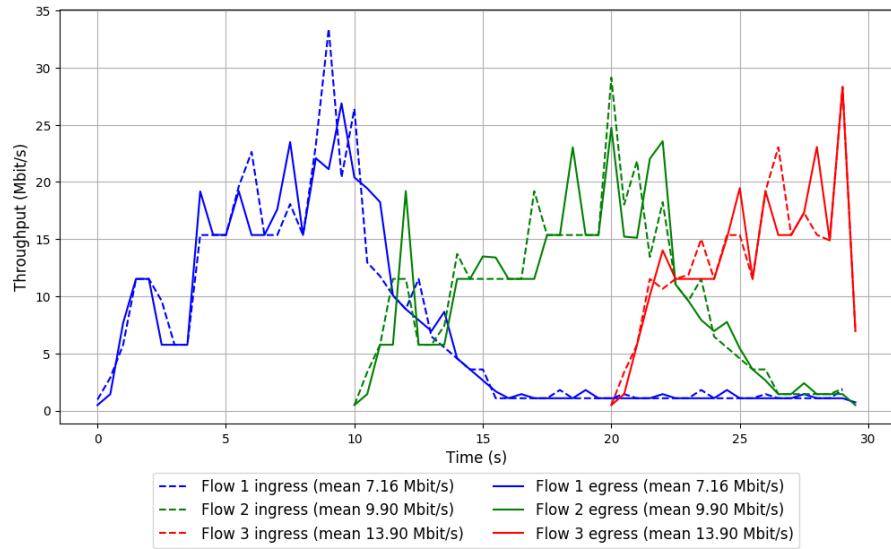
Run 3: Statistics of Indigo-delay

Start at: 2017-09-22 03:43:18

End at: 2017-09-22 03:43:48

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.12 Mbit/s
95th percentile per-packet one-way delay: 112.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 112.887 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 113.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 112.987 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-delay — Data Link



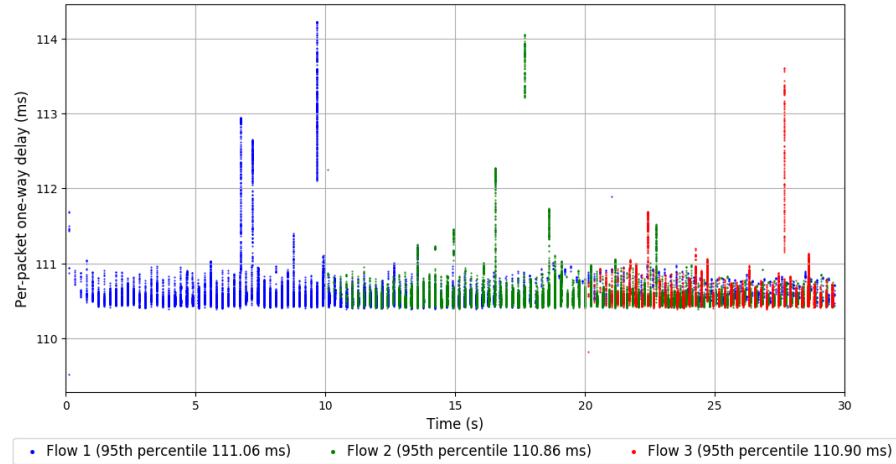
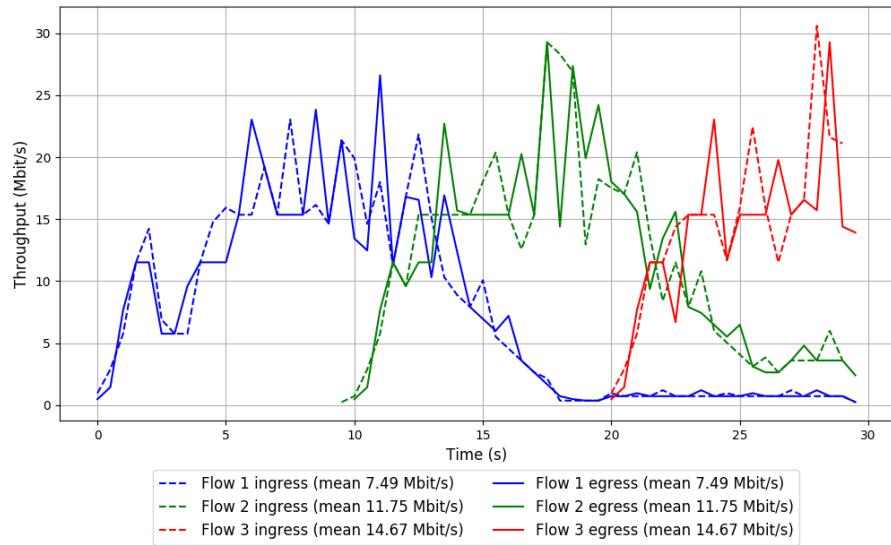
Run 4: Statistics of Indigo-delay

Start at: 2017-09-22 03:56:42

End at: 2017-09-22 03:57:12

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 110.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 111.055 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 110.862 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: 110.904 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-delay — Data Link

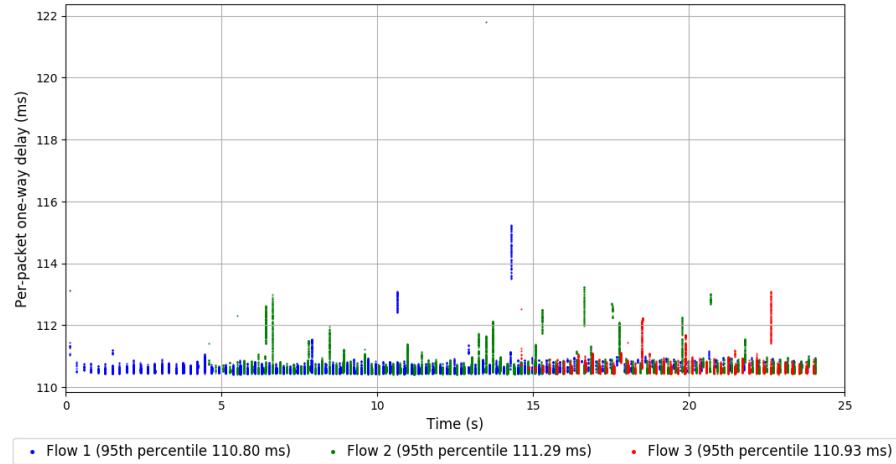
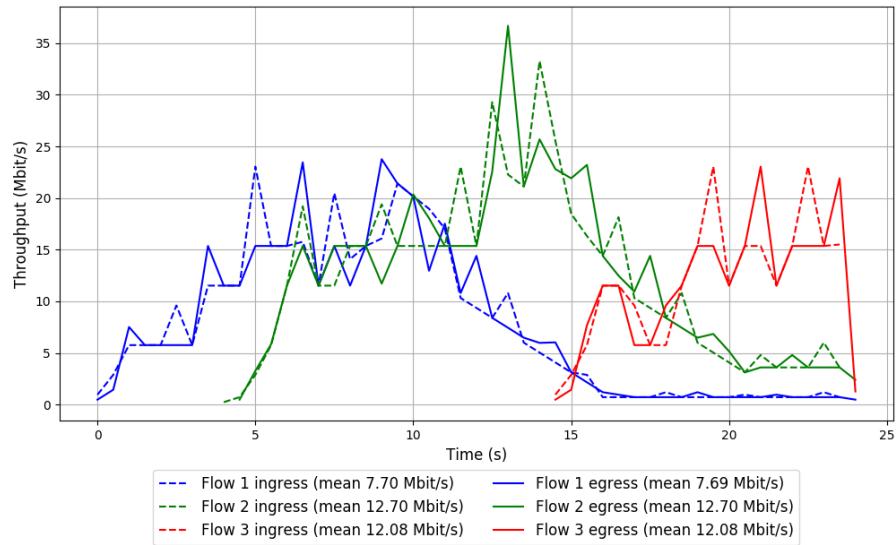


Run 5: Statistics of Indigo-delay

Start at: 2017-09-22 04:10:31

End at: 2017-09-22 04:11:01

Run 5: Report of Indigo-delay — Data Link



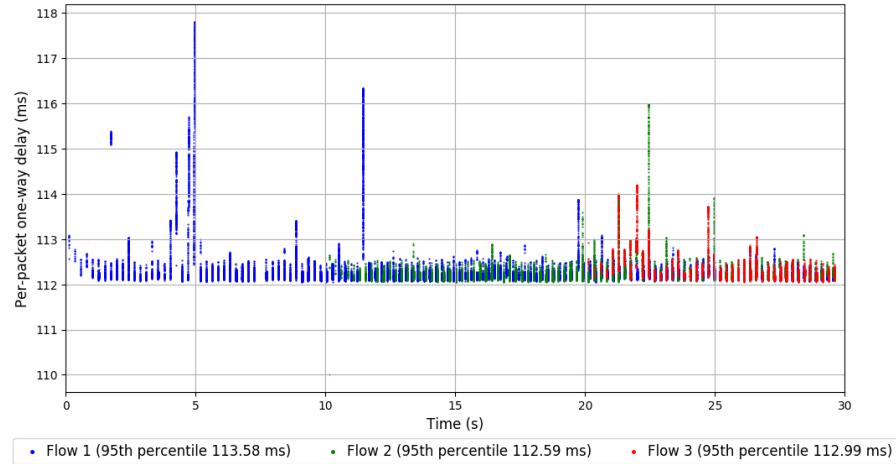
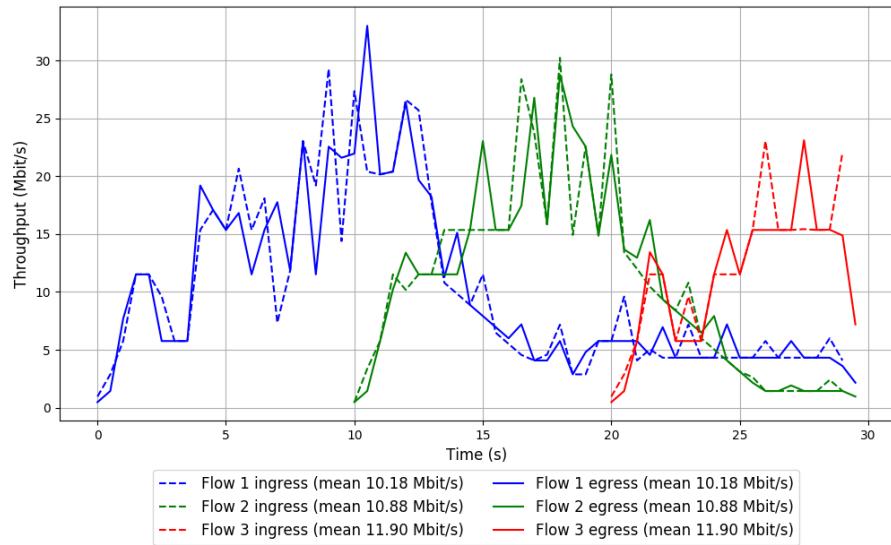
Run 6: Statistics of Indigo-delay

Start at: 2017-09-22 04:24:27

End at: 2017-09-22 04:24:57

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 112.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: 113.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 112.593 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 112.986 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-delay — Data Link



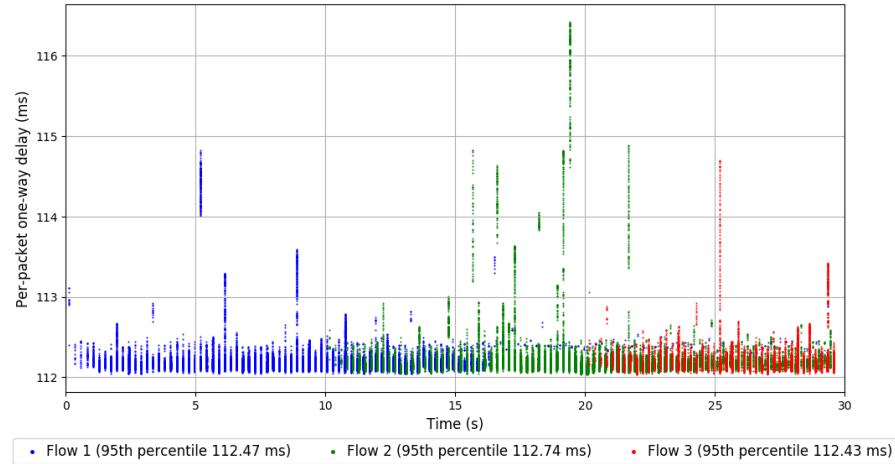
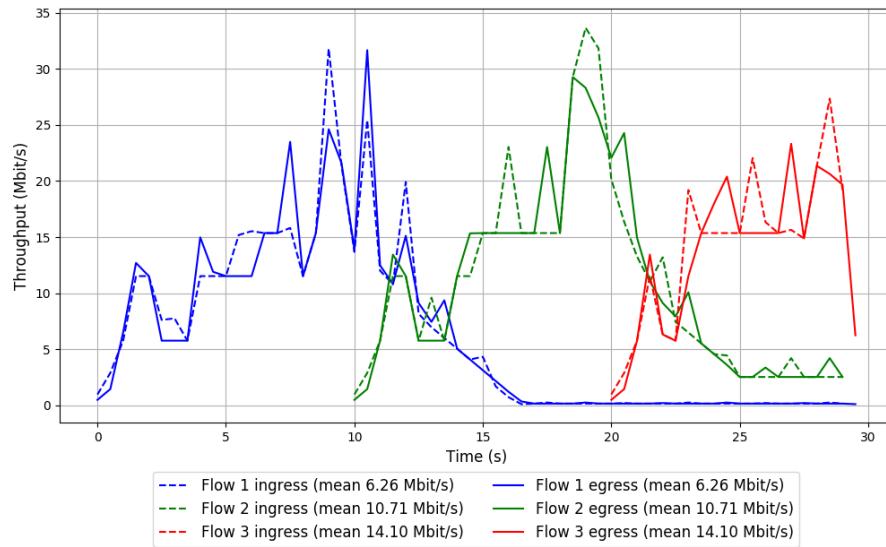
Run 7: Statistics of Indigo-delay

Start at: 2017-09-22 04:38:14

End at: 2017-09-22 04:38:44

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.79 Mbit/s
95th percentile per-packet one-way delay: 112.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 112.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 112.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.10 Mbit/s
95th percentile per-packet one-way delay: 112.430 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo-delay — Data Link



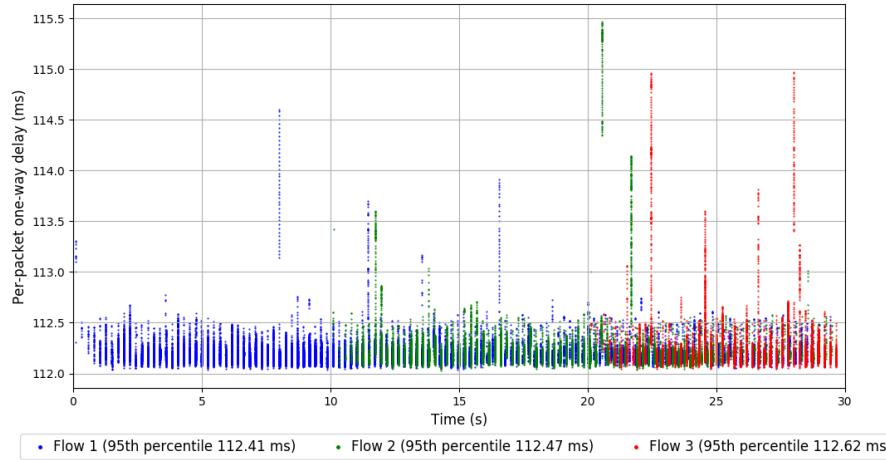
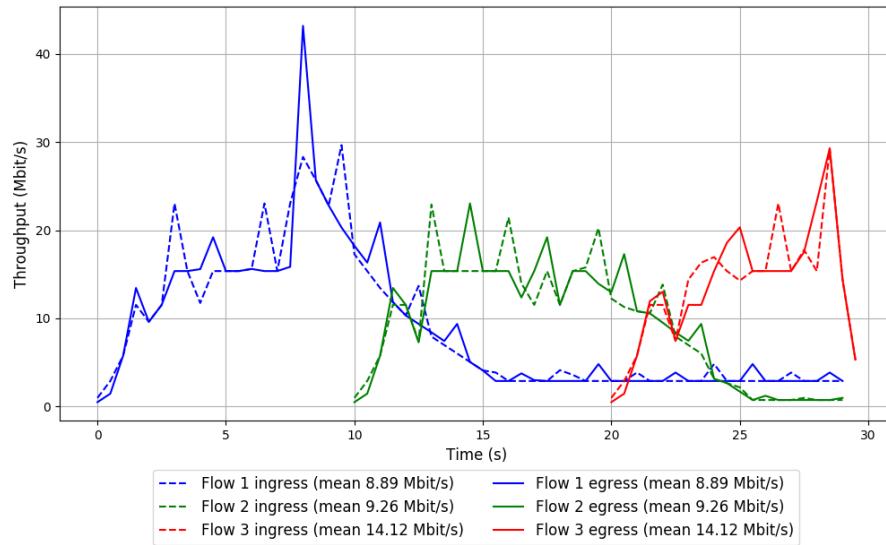
Run 8: Statistics of Indigo-delay

Start at: 2017-09-22 04:51:45

End at: 2017-09-22 04:52:15

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 112.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 112.413 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 112.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.12 Mbit/s
95th percentile per-packet one-way delay: 112.617 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo-delay — Data Link



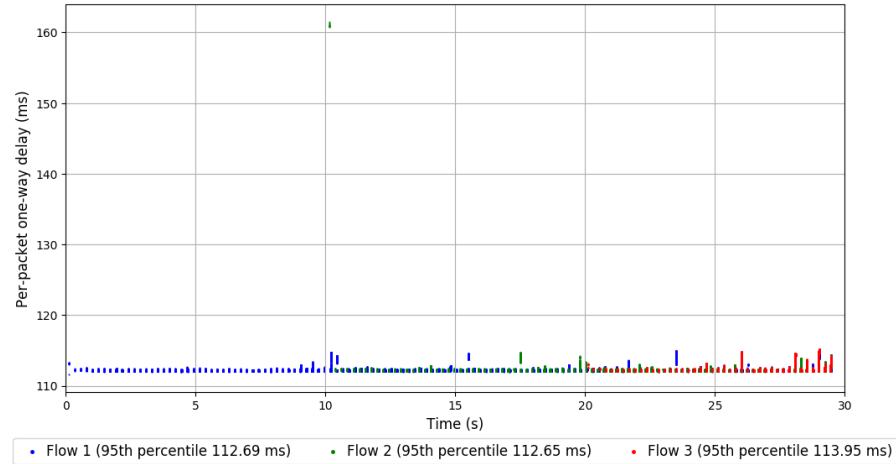
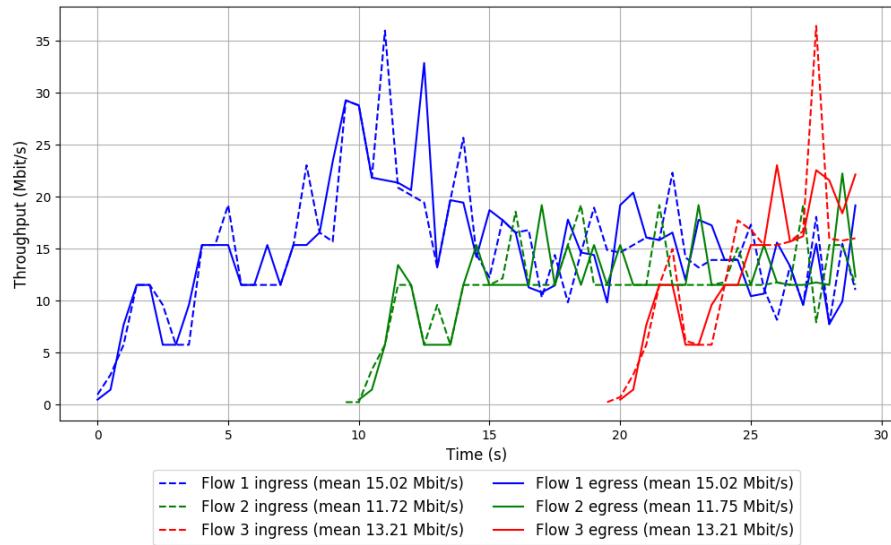
Run 9: Statistics of Indigo-delay

Start at: 2017-09-22 05:05:06

End at: 2017-09-22 05:05:36

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 112.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 112.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 112.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 113.952 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-22 05:17:53

End at: 2017-09-22 05:18:23

```
# Below is generated by plot.py at 2017-09-22 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.28 Mbit/s
95th percentile per-packet one-way delay: 112.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 112.791 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 112.505 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 112.340 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-delay — Data Link

