

Pantheon Report

Generated at 2018-04-25 06:02:39 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

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

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

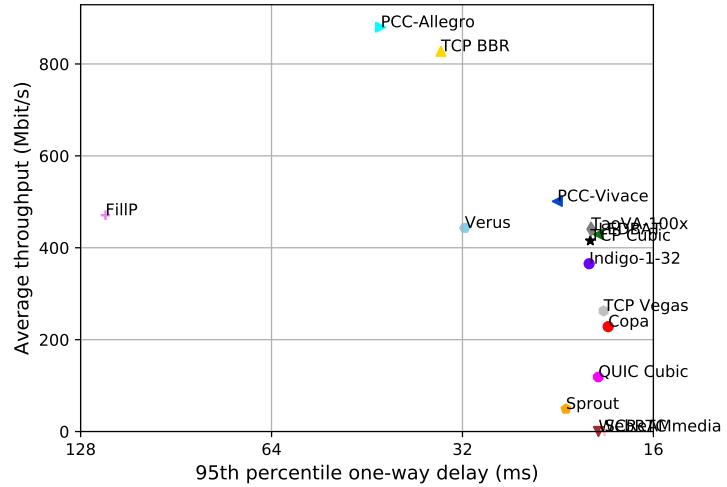
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

Git summary:

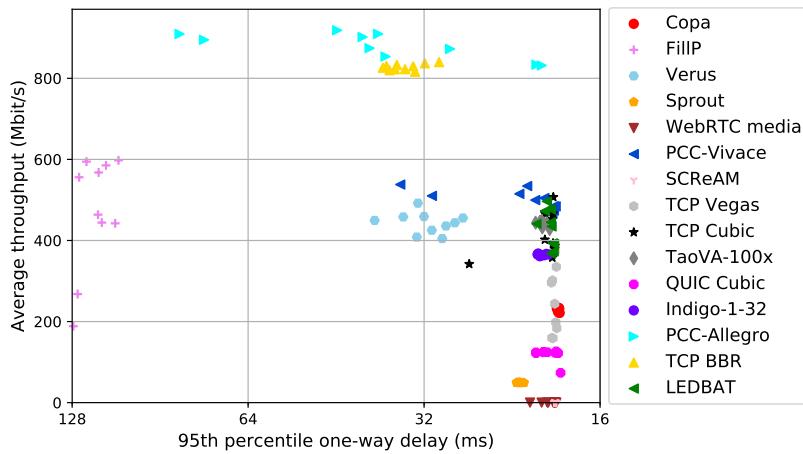
```
branch: master @ 114e807ac1bad7b85168ceb1f8a969063ee6c12c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ 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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
```

third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581

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



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

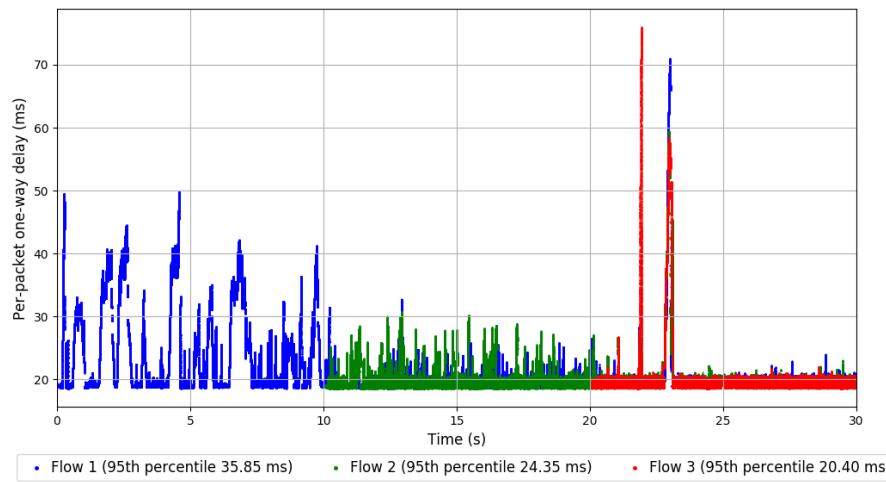
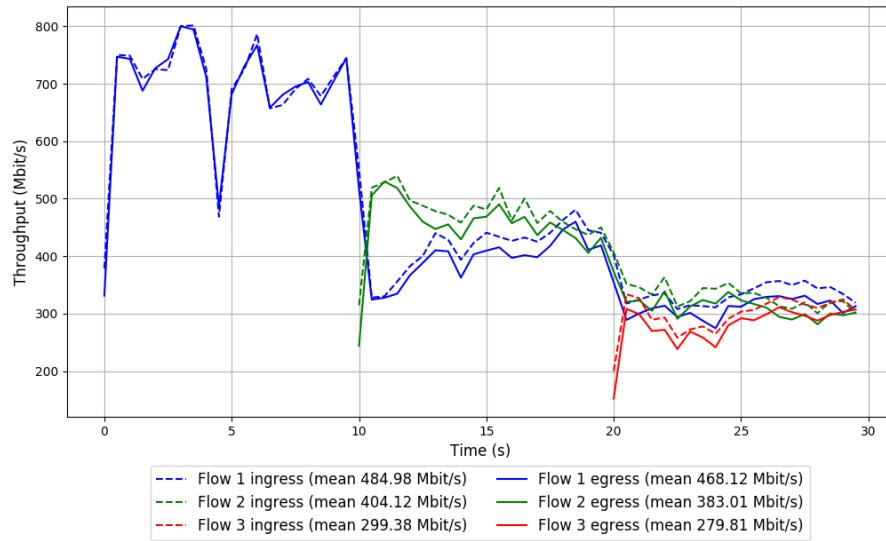


Run 1: Statistics of TCP BBR

```
Start at: 2018-04-24 21:39:56
End at: 2018-04-24 21:40:26
Local clock offset: 0.284 ms
Remote clock offset: -5.37 ms

# Below is generated by plot.py at 2018-04-25 04:20:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 816.17 Mbit/s
95th percentile per-packet one-way delay: 33.157 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 468.12 Mbit/s
95th percentile per-packet one-way delay: 35.846 ms
Loss rate: 3.48%
-- Flow 2:
Average throughput: 383.01 Mbit/s
95th percentile per-packet one-way delay: 24.346 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 279.81 Mbit/s
95th percentile per-packet one-way delay: 20.399 ms
Loss rate: 6.53%
```

Run 1: Report of TCP BBR — Data Link

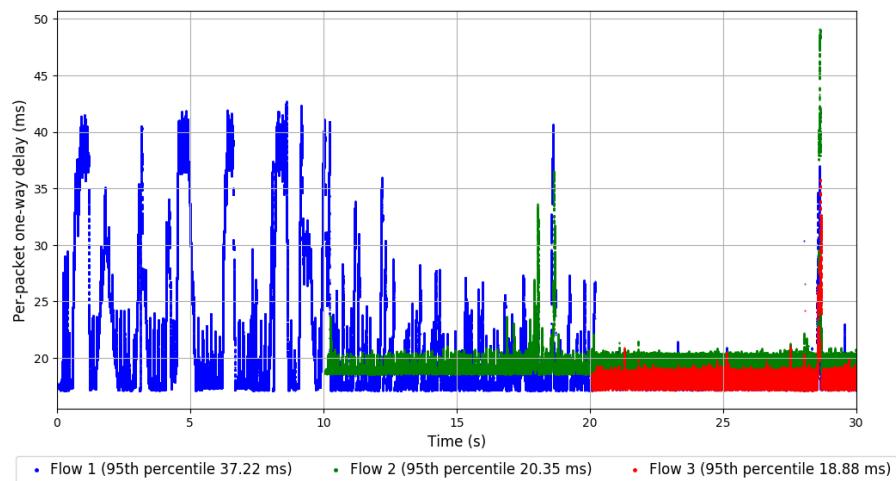
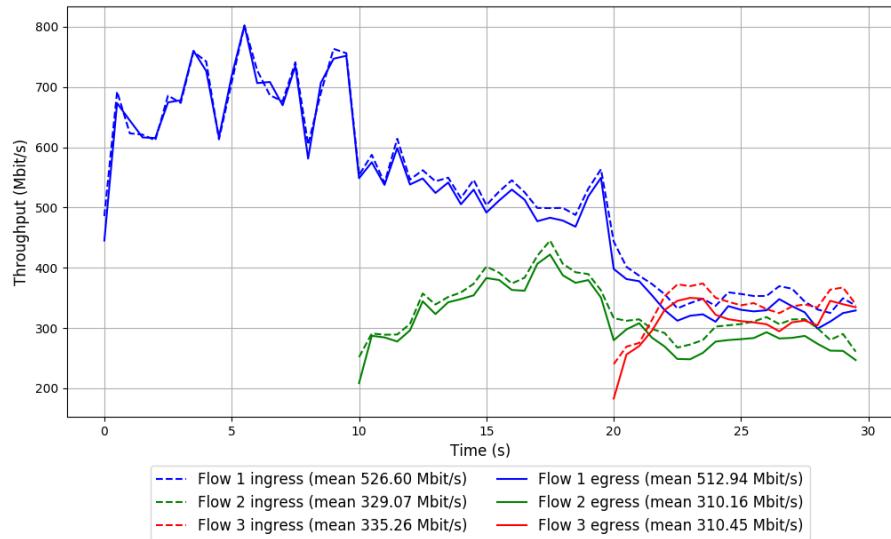


Run 2: Statistics of TCP BBR

```
Start at: 2018-04-24 22:06:29
End at: 2018-04-24 22:06:59
Local clock offset: 0.211 ms
Remote clock offset: -5.707 ms

# Below is generated by plot.py at 2018-04-25 04:20:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 822.60 Mbit/s
95th percentile per-packet one-way delay: 34.497 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 512.94 Mbit/s
95th percentile per-packet one-way delay: 37.216 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 310.16 Mbit/s
95th percentile per-packet one-way delay: 20.348 ms
Loss rate: 5.74%
-- Flow 3:
Average throughput: 310.45 Mbit/s
95th percentile per-packet one-way delay: 18.875 ms
Loss rate: 7.39%
```

Run 2: Report of TCP BBR — Data Link

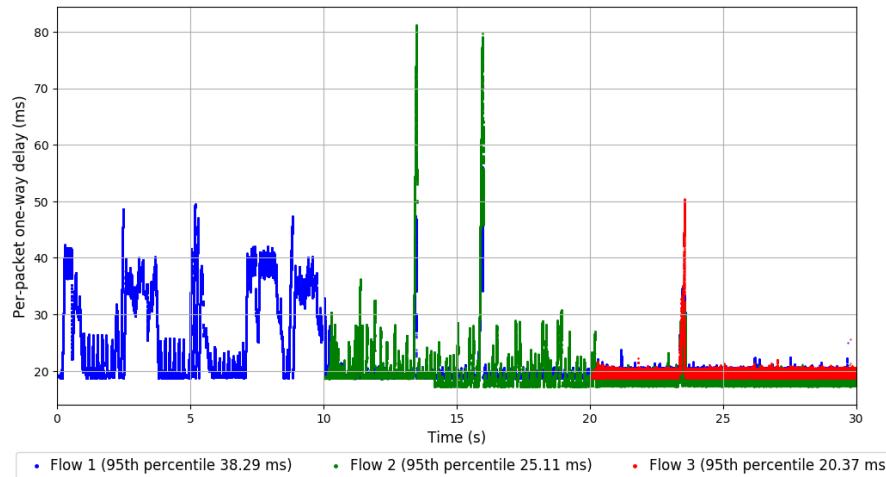
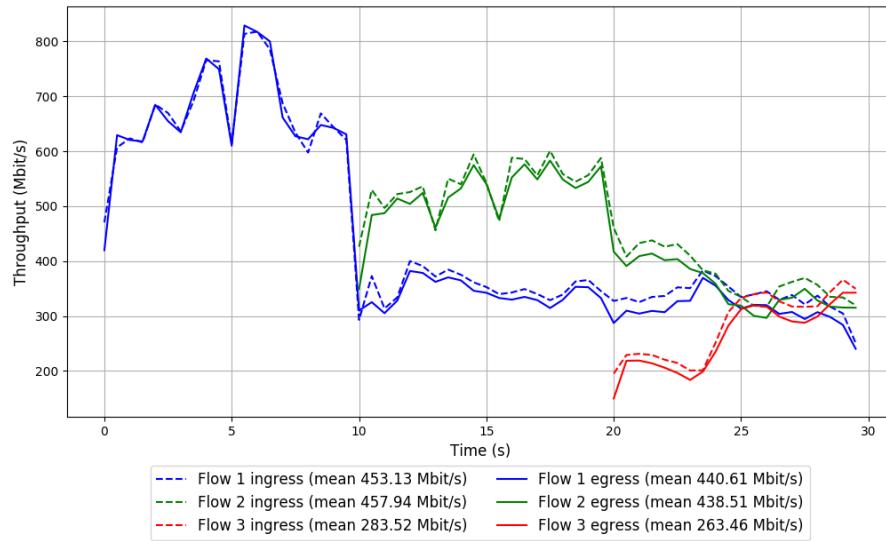


Run 3: Statistics of TCP BBR

```
Start at: 2018-04-24 22:33:14
End at: 2018-04-24 22:33:44
Local clock offset: -0.08 ms
Remote clock offset: -5.741 ms

# Below is generated by plot.py at 2018-04-25 04:20:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 820.01 Mbit/s
95th percentile per-packet one-way delay: 36.665 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 440.61 Mbit/s
95th percentile per-packet one-way delay: 38.291 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 438.51 Mbit/s
95th percentile per-packet one-way delay: 25.109 ms
Loss rate: 4.24%
-- Flow 3:
Average throughput: 263.46 Mbit/s
95th percentile per-packet one-way delay: 20.366 ms
Loss rate: 7.08%
```

Run 3: Report of TCP BBR — Data Link

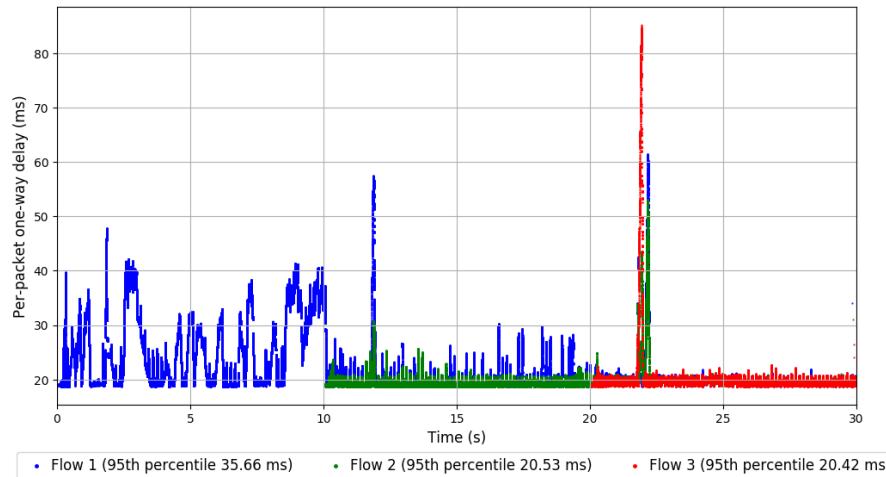
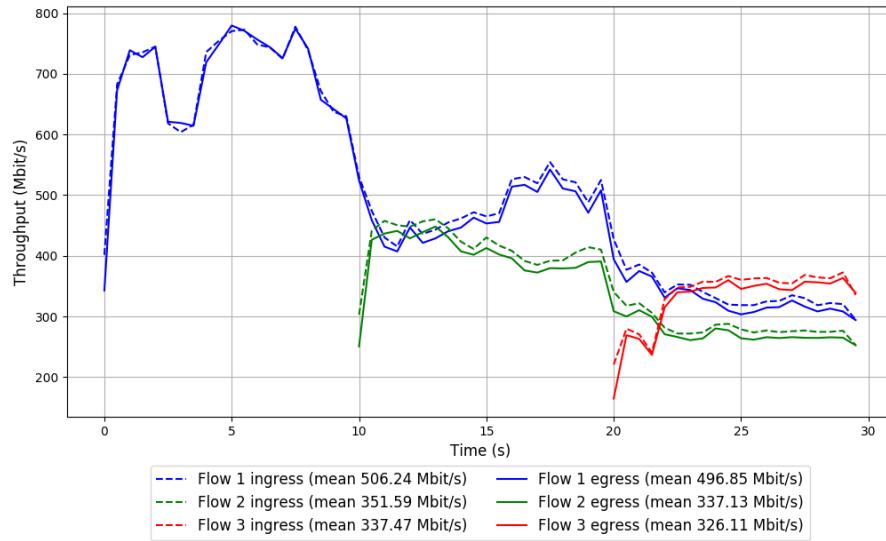


Run 4: Statistics of TCP BBR

```
Start at: 2018-04-24 22:59:55
End at: 2018-04-24 23:00:25
Local clock offset: -0.065 ms
Remote clock offset: -5.552 ms

# Below is generated by plot.py at 2018-04-25 04:20:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 829.61 Mbit/s
95th percentile per-packet one-way delay: 33.408 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 496.85 Mbit/s
95th percentile per-packet one-way delay: 35.662 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 337.13 Mbit/s
95th percentile per-packet one-way delay: 20.534 ms
Loss rate: 4.11%
-- Flow 3:
Average throughput: 326.11 Mbit/s
95th percentile per-packet one-way delay: 20.421 ms
Loss rate: 3.36%
```

Run 4: Report of TCP BBR — Data Link

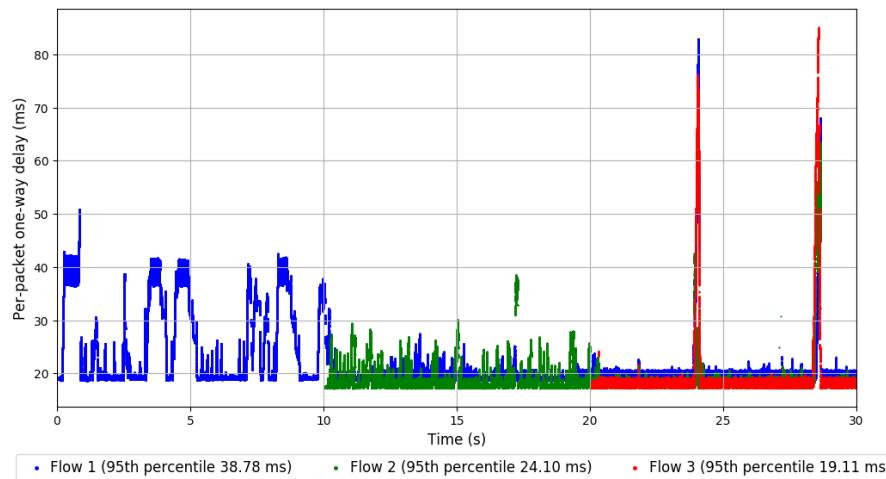
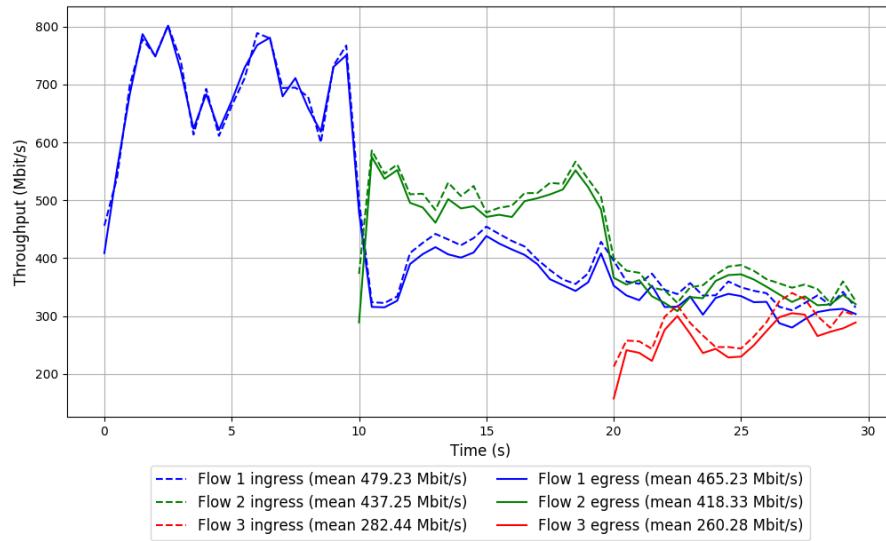


Run 5: Statistics of TCP BBR

```
Start at: 2018-04-24 23:26:39
End at: 2018-04-24 23:27:09
Local clock offset: 0.207 ms
Remote clock offset: -6.612 ms

# Below is generated by plot.py at 2018-04-25 04:20:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 830.18 Mbit/s
95th percentile per-packet one-way delay: 37.124 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 465.23 Mbit/s
95th percentile per-packet one-way delay: 38.778 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 418.33 Mbit/s
95th percentile per-packet one-way delay: 24.098 ms
Loss rate: 4.33%
-- Flow 3:
Average throughput: 260.28 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 7.84%
```

Run 5: Report of TCP BBR — Data Link

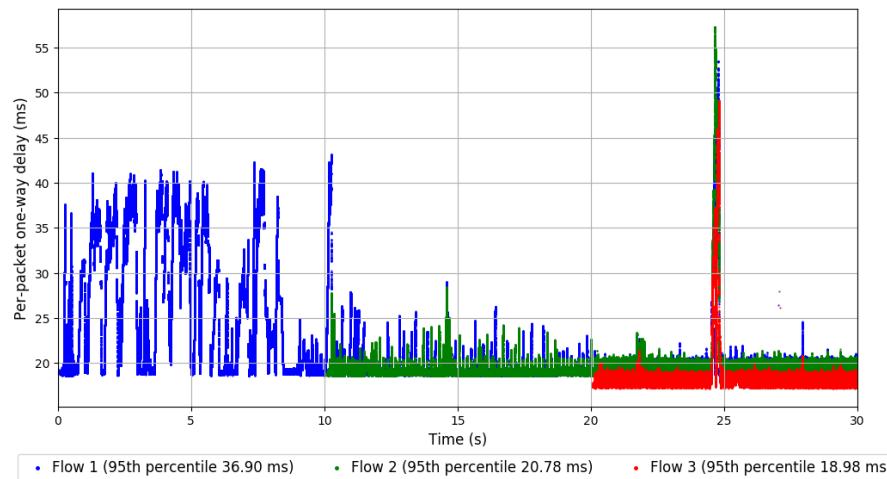
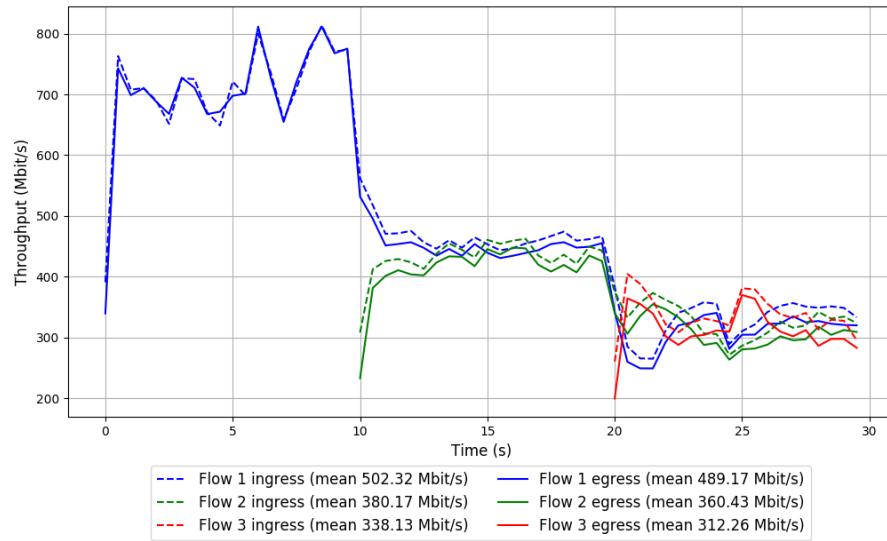


Run 6: Statistics of TCP BBR

```
Start at: 2018-04-24 23:53:12
End at: 2018-04-24 23:53:42
Local clock offset: 0.444 ms
Remote clock offset: -5.66 ms

# Below is generated by plot.py at 2018-04-25 04:20:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 833.01 Mbit/s
95th percentile per-packet one-way delay: 35.624 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 489.17 Mbit/s
95th percentile per-packet one-way delay: 36.903 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 360.43 Mbit/s
95th percentile per-packet one-way delay: 20.781 ms
Loss rate: 5.20%
-- Flow 3:
Average throughput: 312.26 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 7.64%
```

Run 6: Report of TCP BBR — Data Link

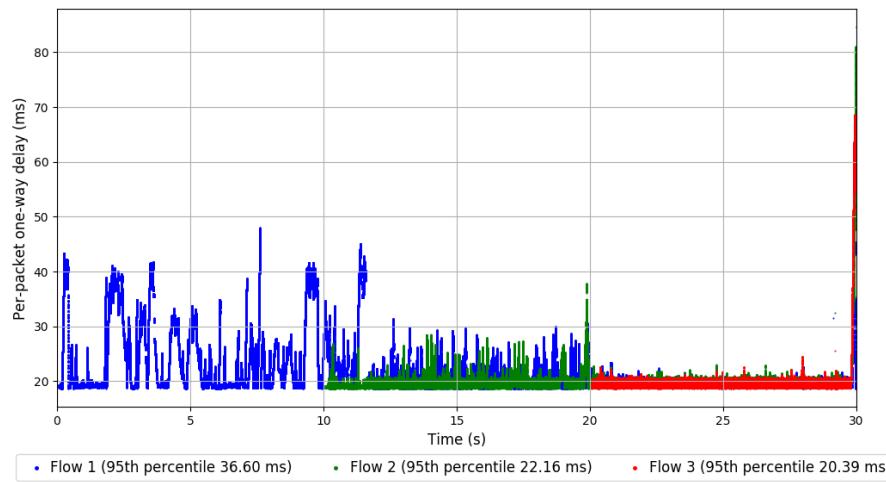
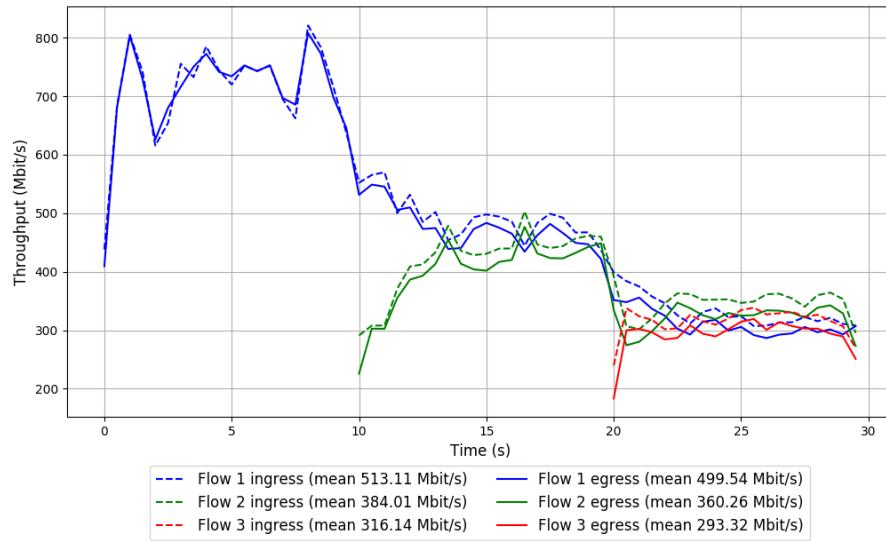


Run 7: Statistics of TCP BBR

```
Start at: 2018-04-25 00:19:36
End at: 2018-04-25 00:20:06
Local clock offset: -0.178 ms
Remote clock offset: -5.596 ms

# Below is generated by plot.py at 2018-04-25 04:20:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 836.84 Mbit/s
95th percentile per-packet one-way delay: 31.904 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 499.54 Mbit/s
95th percentile per-packet one-way delay: 36.603 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 360.26 Mbit/s
95th percentile per-packet one-way delay: 22.155 ms
Loss rate: 6.17%
-- Flow 3:
Average throughput: 293.32 Mbit/s
95th percentile per-packet one-way delay: 20.393 ms
Loss rate: 7.23%
```

Run 7: Report of TCP BBR — Data Link

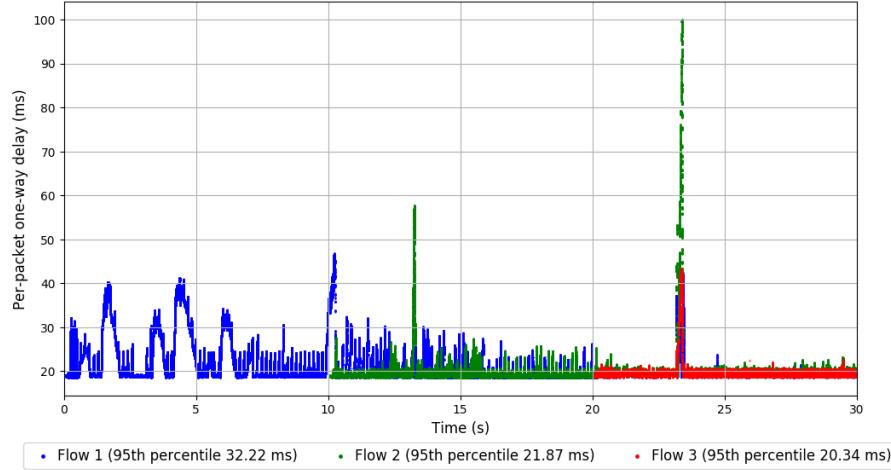
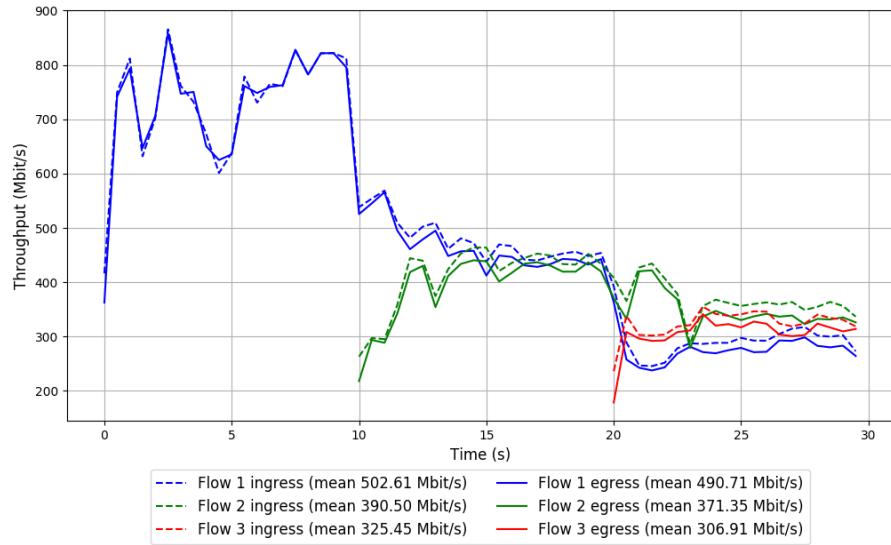


Run 8: Statistics of TCP BBR

```
Start at: 2018-04-25 00:46:12
End at: 2018-04-25 00:46:42
Local clock offset: 0.021 ms
Remote clock offset: -5.548 ms

# Below is generated by plot.py at 2018-04-25 04:20:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 839.97 Mbit/s
95th percentile per-packet one-way delay: 30.161 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 490.71 Mbit/s
95th percentile per-packet one-way delay: 32.221 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 371.35 Mbit/s
95th percentile per-packet one-way delay: 21.873 ms
Loss rate: 4.91%
-- Flow 3:
Average throughput: 306.91 Mbit/s
95th percentile per-packet one-way delay: 20.343 ms
Loss rate: 5.70%
```

Run 8: Report of TCP BBR — Data Link

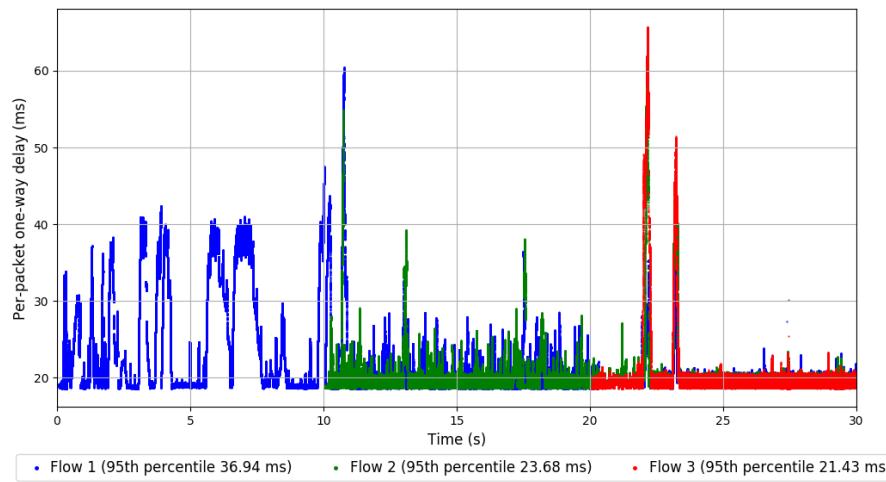
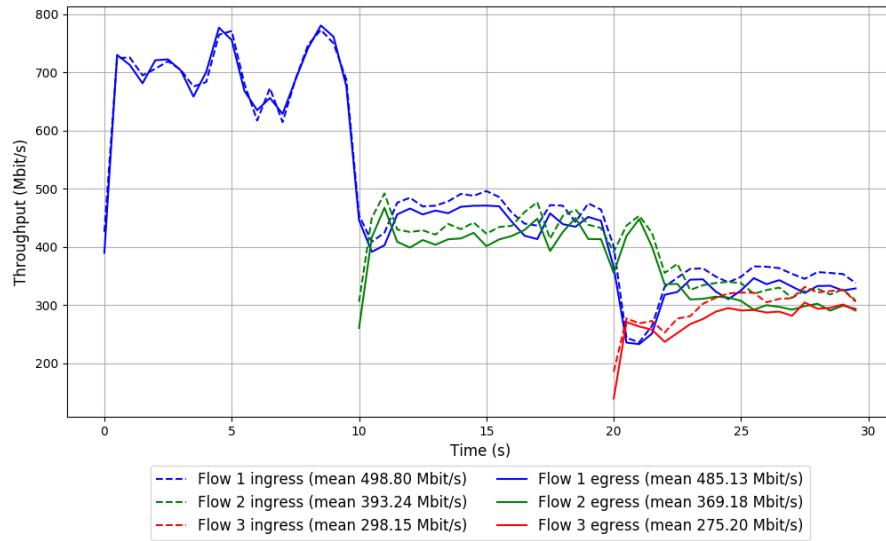


Run 9: Statistics of TCP BBR

```
Start at: 2018-04-25 01:12:54
End at: 2018-04-25 01:13:24
Local clock offset: 0.353 ms
Remote clock offset: -5.314 ms

# Below is generated by plot.py at 2018-04-25 04:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 822.26 Mbit/s
95th percentile per-packet one-way delay: 35.891 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 485.13 Mbit/s
95th percentile per-packet one-way delay: 36.941 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 369.18 Mbit/s
95th percentile per-packet one-way delay: 23.676 ms
Loss rate: 6.12%
-- Flow 3:
Average throughput: 275.20 Mbit/s
95th percentile per-packet one-way delay: 21.432 ms
Loss rate: 7.71%
```

Run 9: Report of TCP BBR — Data Link

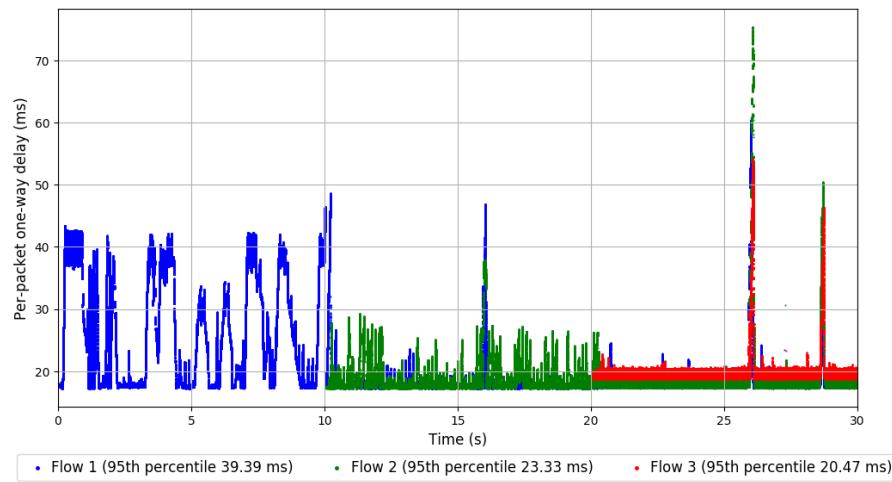
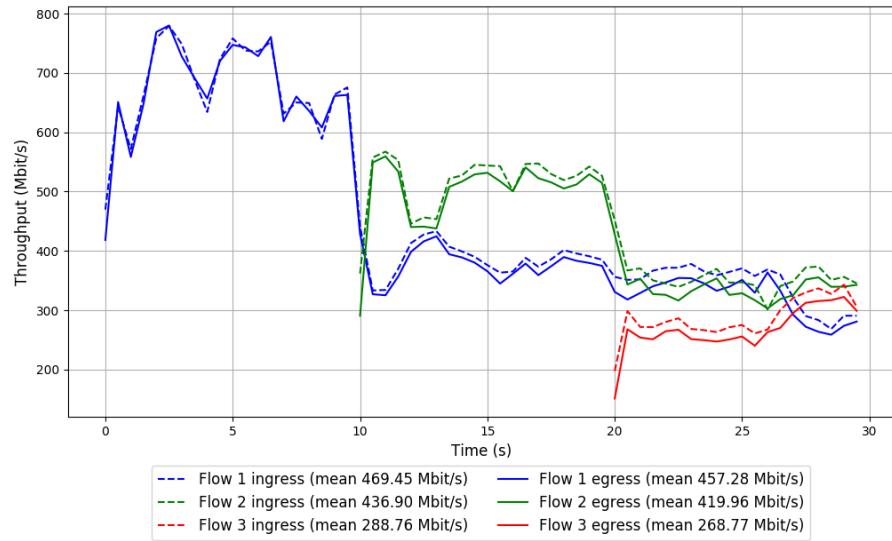


Run 10: Statistics of TCP BBR

```
Start at: 2018-04-25 01:39:49
End at: 2018-04-25 01:40:19
Local clock offset: 0.395 ms
Remote clock offset: -6.556 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 826.13 Mbit/s
95th percentile per-packet one-way delay: 37.633 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 457.28 Mbit/s
95th percentile per-packet one-way delay: 39.390 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 419.96 Mbit/s
95th percentile per-packet one-way delay: 23.334 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 268.77 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 6.93%
```

Run 10: Report of TCP BBR — Data Link

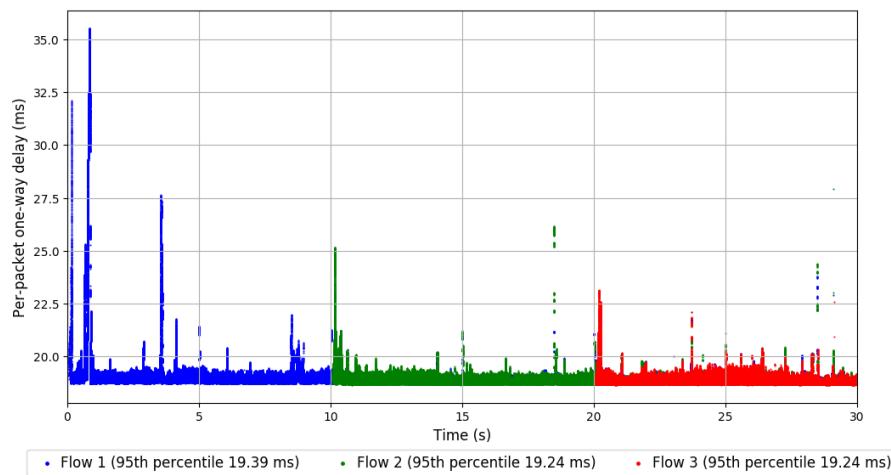
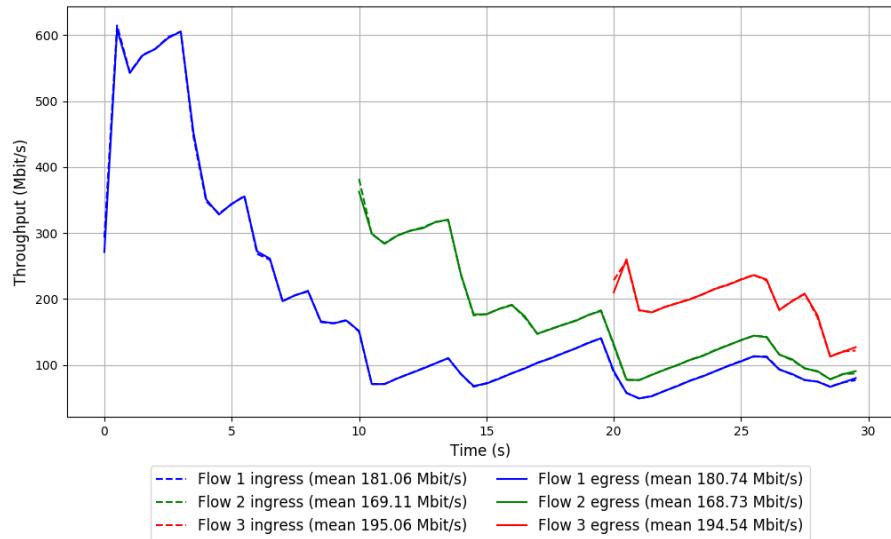


```
Run 1: Statistics of TCP Cubic

Start at: 2018-04-24 21:26:20
End at: 2018-04-24 21:26:50
Local clock offset: 0.313 ms
Remote clock offset: -5.256 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.75 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 180.74 Mbit/s
95th percentile per-packet one-way delay: 19.392 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 168.73 Mbit/s
95th percentile per-packet one-way delay: 19.243 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 194.54 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 0.27%
```

Run 1: Report of TCP Cubic — Data Link

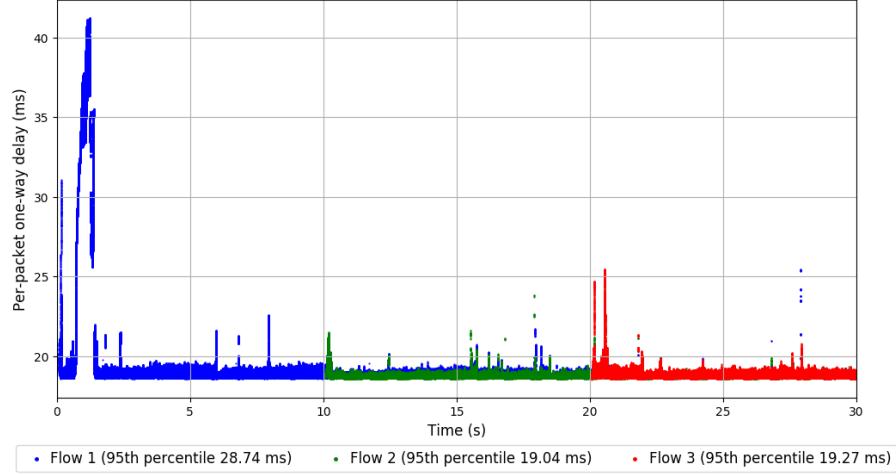
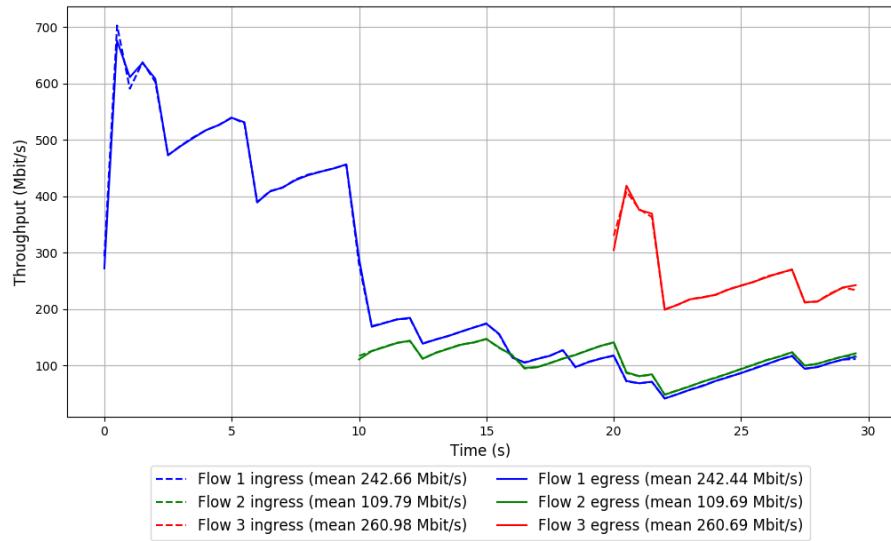


Run 2: Statistics of TCP Cubic

```
Start at: 2018-04-24 21:52:50
End at: 2018-04-24 21:53:20
Local clock offset: 0.235 ms
Remote clock offset: -5.407 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 402.04 Mbit/s
95th percentile per-packet one-way delay: 19.885 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 242.44 Mbit/s
95th percentile per-packet one-way delay: 28.741 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 109.69 Mbit/s
95th percentile per-packet one-way delay: 19.040 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 260.69 Mbit/s
95th percentile per-packet one-way delay: 19.269 ms
Loss rate: 0.11%
```

Run 2: Report of TCP Cubic — Data Link

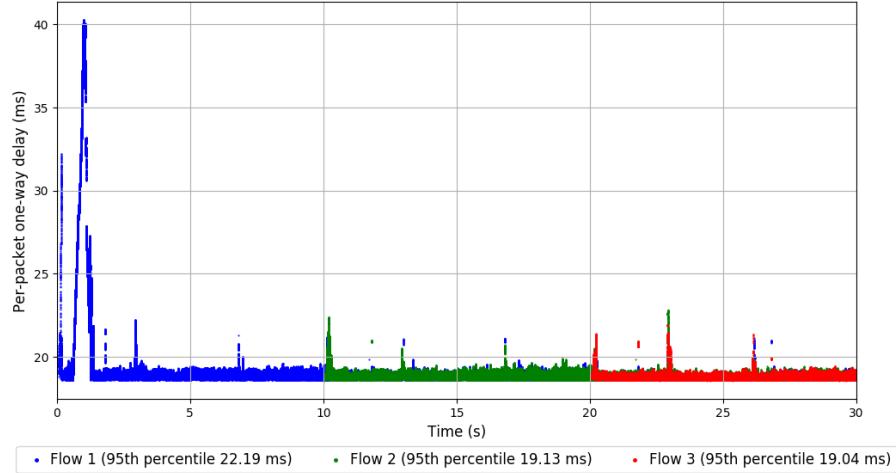
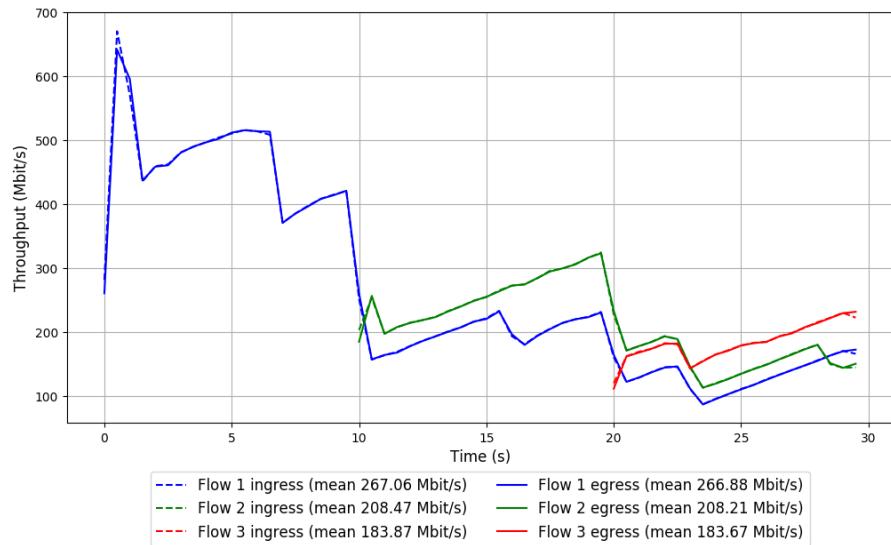


Run 3: Statistics of TCP Cubic

```
Start at: 2018-04-24 22:19:25
End at: 2018-04-24 22:19:55
Local clock offset: 0.054 ms
Remote clock offset: -5.844 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.57 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 266.88 Mbit/s
95th percentile per-packet one-way delay: 22.190 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 208.21 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 183.67 Mbit/s
95th percentile per-packet one-way delay: 19.040 ms
Loss rate: 0.11%
```

Run 3: Report of TCP Cubic — Data Link

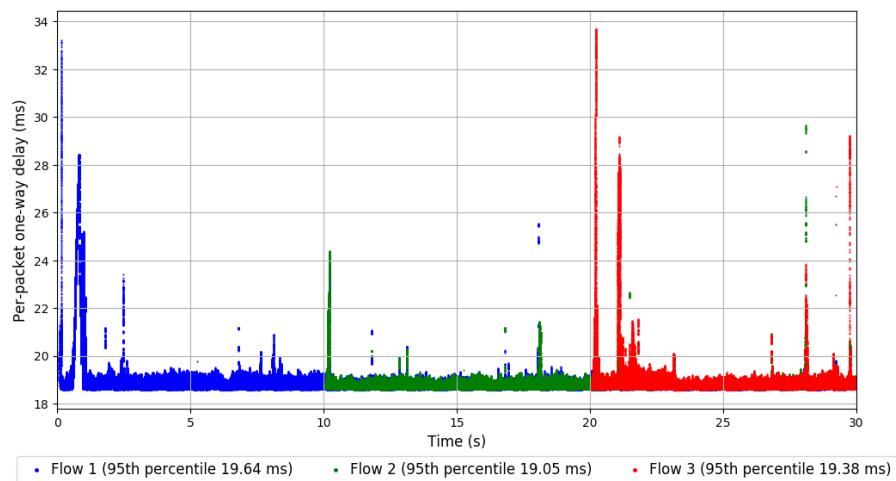
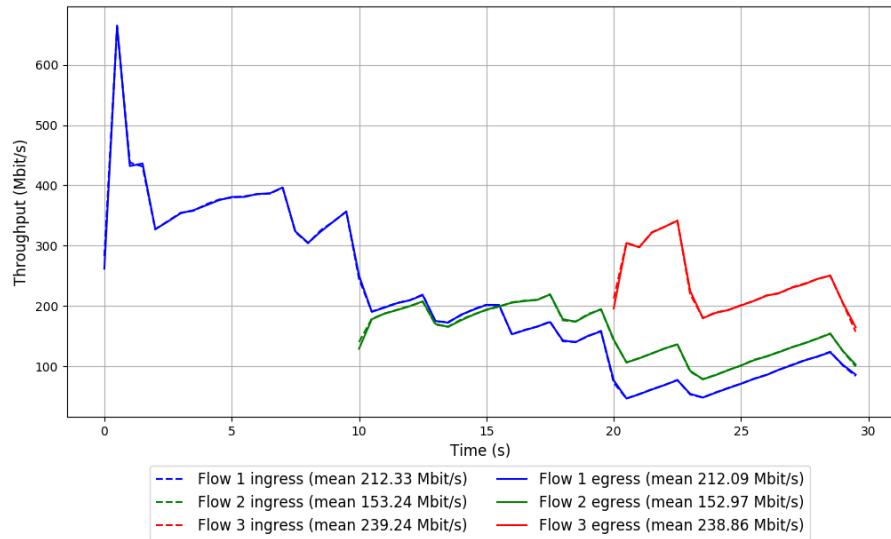


Run 4: Statistics of TCP Cubic

```
Start at: 2018-04-24 22:46:09
End at: 2018-04-24 22:46:39
Local clock offset: 0.014 ms
Remote clock offset: -5.58 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 393.29 Mbit/s
95th percentile per-packet one-way delay: 19.259 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 212.09 Mbit/s
95th percentile per-packet one-way delay: 19.641 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 152.97 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 238.86 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.16%
```

Run 4: Report of TCP Cubic — Data Link

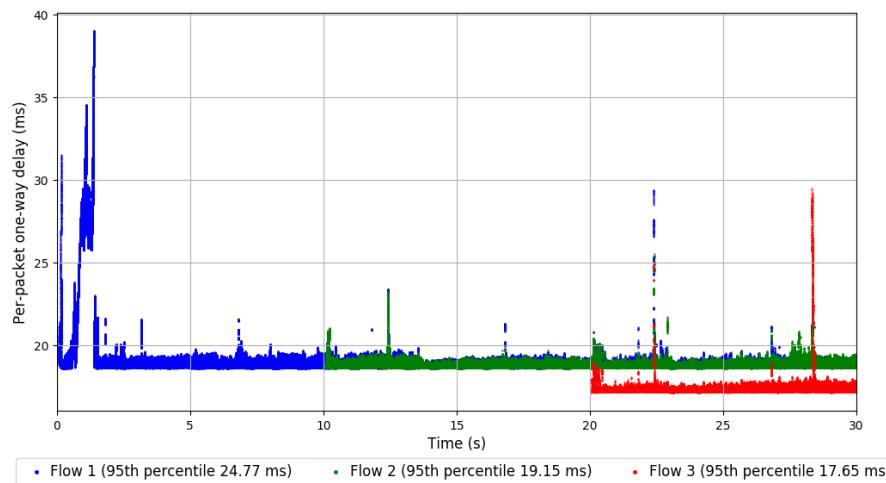
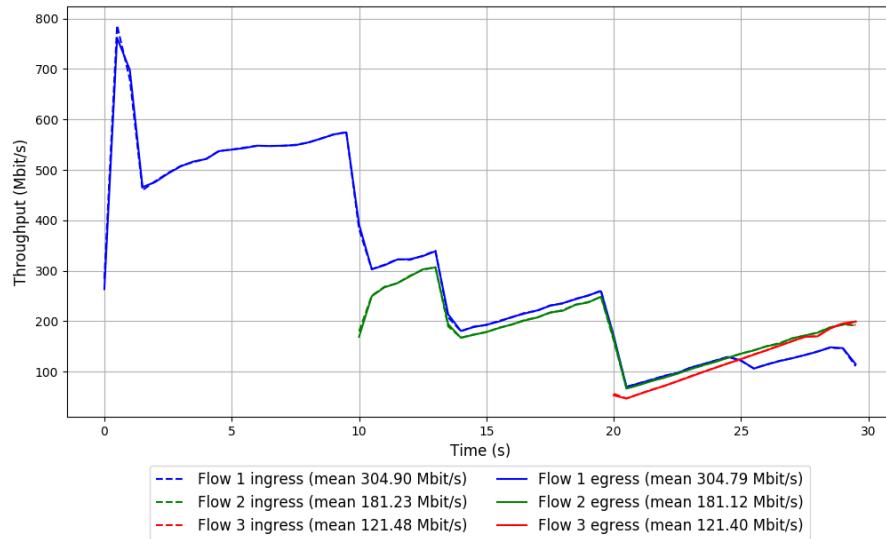


Run 5: Statistics of TCP Cubic

```
Start at: 2018-04-24 23:12:54
End at: 2018-04-24 23:13:24
Local clock offset: 0.115 ms
Remote clock offset: -6.272 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 465.72 Mbit/s
95th percentile per-packet one-way delay: 19.853 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 304.79 Mbit/s
95th percentile per-packet one-way delay: 24.772 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 181.12 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 121.40 Mbit/s
95th percentile per-packet one-way delay: 17.652 ms
Loss rate: 0.06%
```

Run 5: Report of TCP Cubic — Data Link

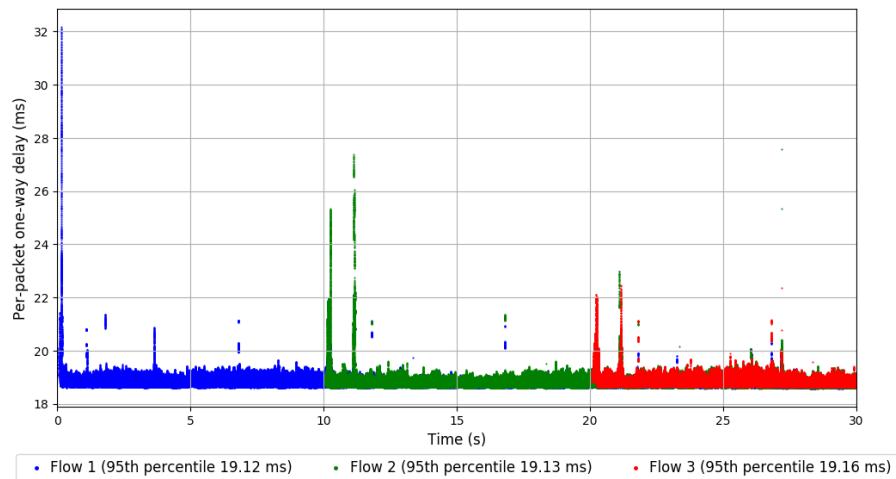
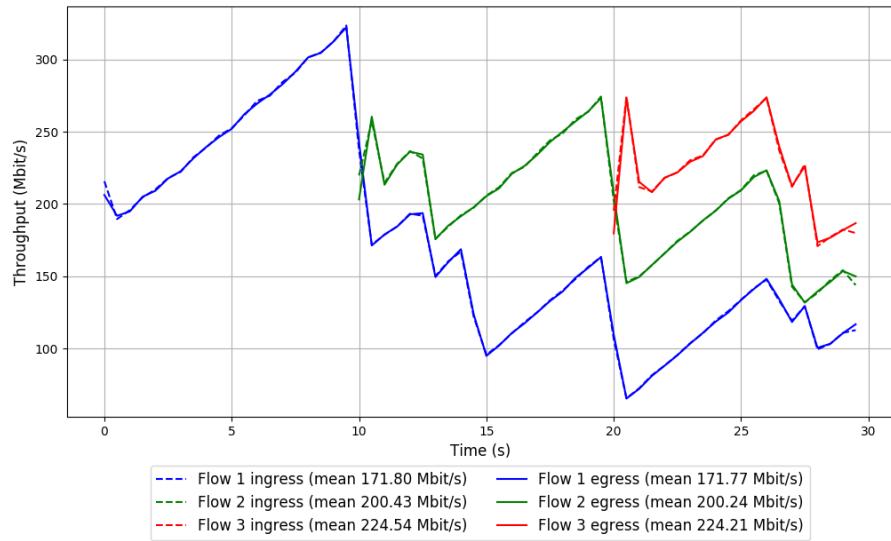


Run 6: Statistics of TCP Cubic

```
Start at: 2018-04-24 23:39:35
End at: 2018-04-24 23:40:05
Local clock offset: 0.497 ms
Remote clock offset: -6.267 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.56 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 171.77 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 200.24 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 224.21 Mbit/s
95th percentile per-packet one-way delay: 19.165 ms
Loss rate: 0.14%
```

Run 6: Report of TCP Cubic — Data Link

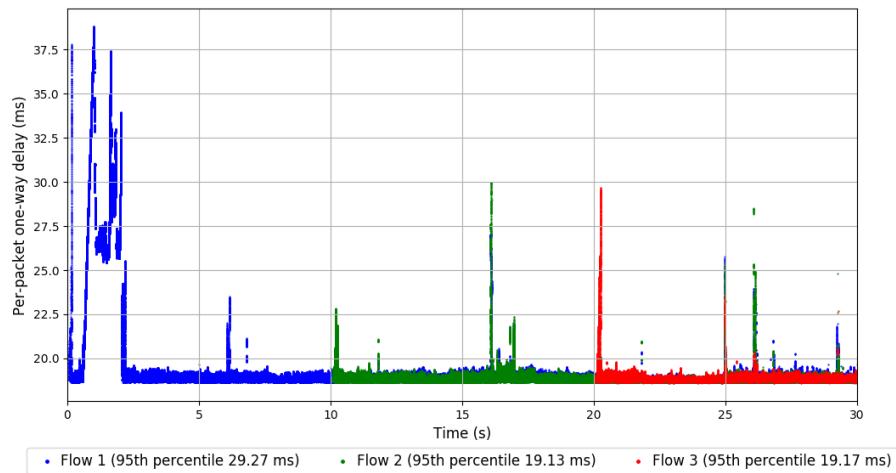
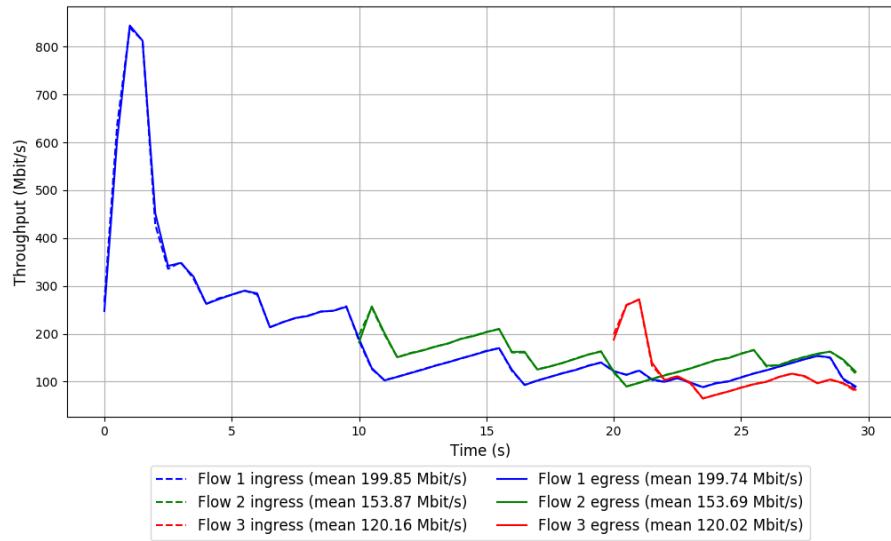


Run 7: Statistics of TCP Cubic

```
Start at: 2018-04-25 00:06:10
End at: 2018-04-25 00:06:40
Local clock offset: 0.11 ms
Remote clock offset: -5.5 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 341.93 Mbit/s
95th percentile per-packet one-way delay: 26.789 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 199.74 Mbit/s
95th percentile per-packet one-way delay: 29.269 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 153.69 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 120.02 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.10%
```

Run 7: Report of TCP Cubic — Data Link

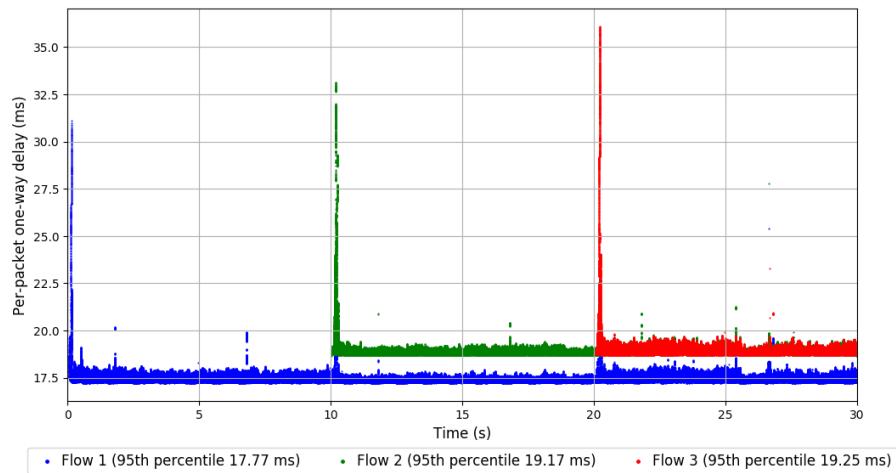
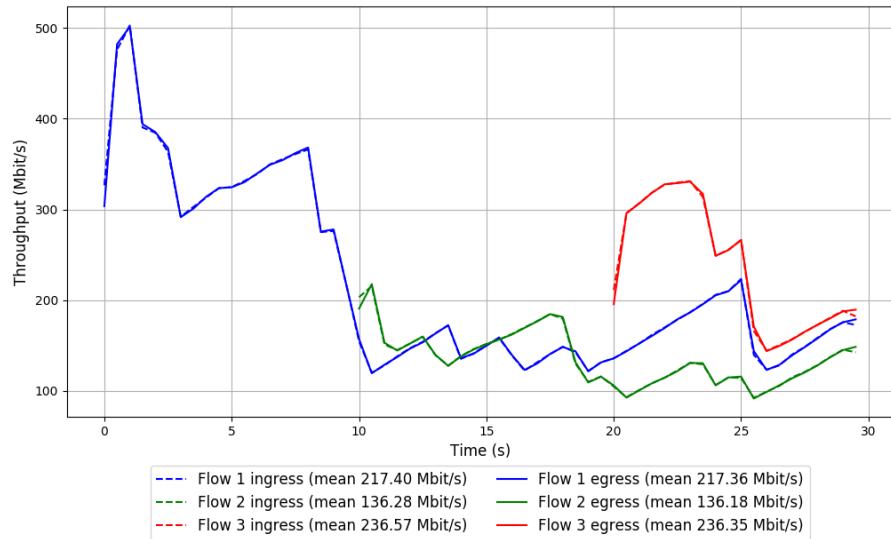


Run 8: Statistics of TCP Cubic

```
Start at: 2018-04-25 00:32:35
End at: 2018-04-25 00:33:05
Local clock offset: -0.013 ms
Remote clock offset: -5.523 ms

# Below is generated by plot.py at 2018-04-25 04:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.60 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 217.36 Mbit/s
95th percentile per-packet one-way delay: 17.774 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 136.18 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 236.35 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.09%
```

Run 8: Report of TCP Cubic — Data Link

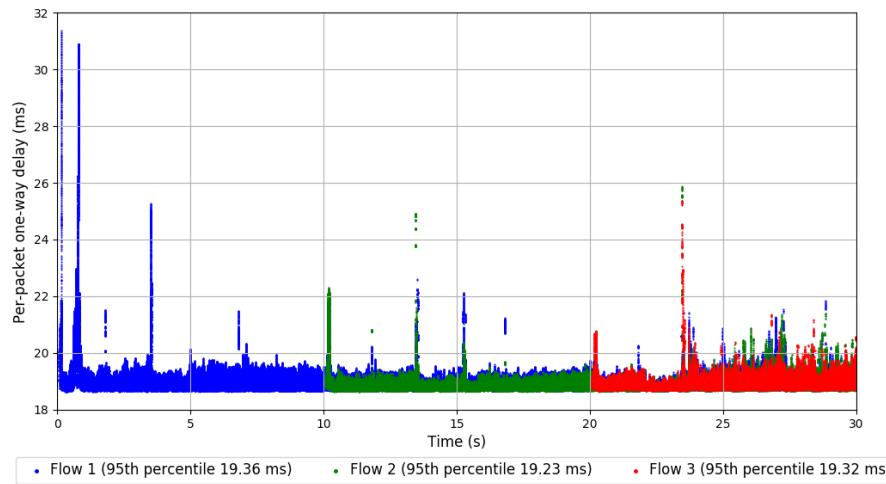
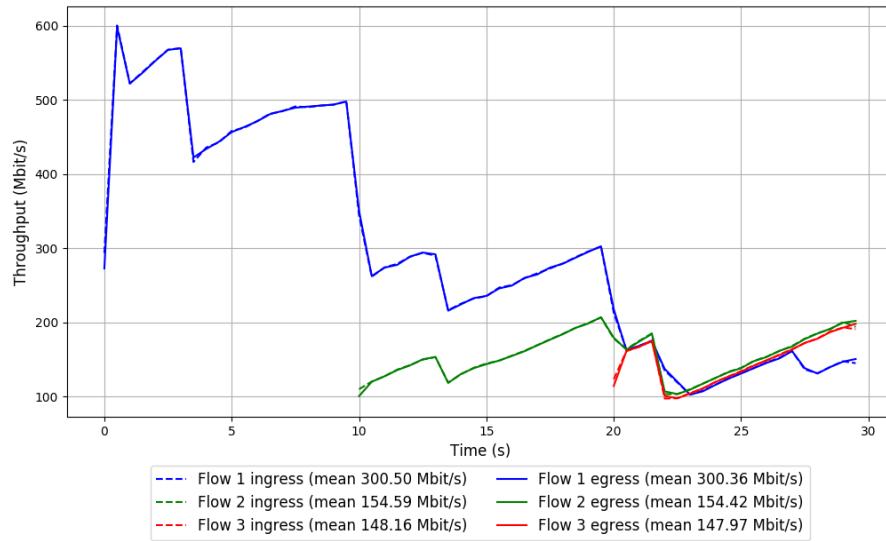


Run 9: Statistics of TCP Cubic

```
Start at: 2018-04-25 00:59:12
End at: 2018-04-25 00:59:42
Local clock offset: 0.021 ms
Remote clock offset: -5.371 ms

# Below is generated by plot.py at 2018-04-25 04:32:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 452.33 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 300.36 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 154.42 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 147.97 Mbit/s
95th percentile per-packet one-way delay: 19.316 ms
Loss rate: 0.12%
```

Run 9: Report of TCP Cubic — Data Link

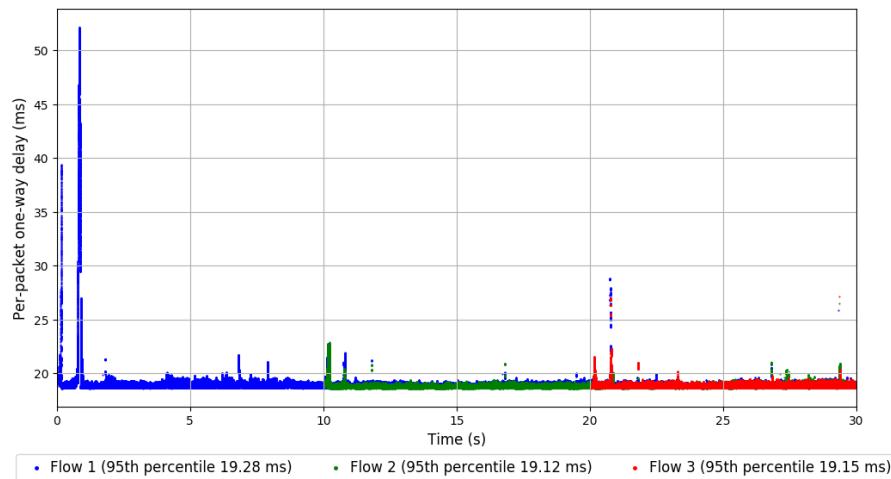
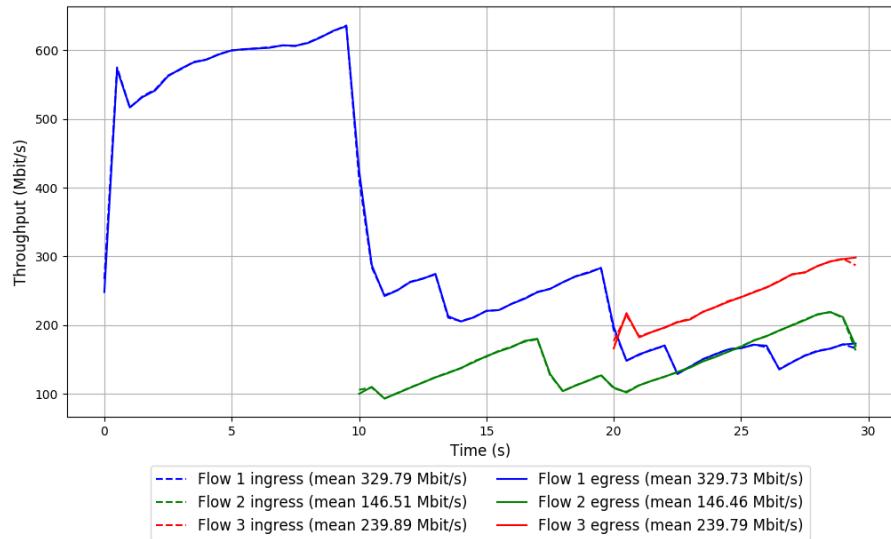


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-04-25 01:25:54
End at: 2018-04-25 01:26:24
Local clock offset: 0.425 ms
Remote clock offset: -6.032 ms

# Below is generated by plot.py at 2018-04-25 04:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 506.98 Mbit/s
95th percentile per-packet one-way delay: 19.236 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 329.73 Mbit/s
95th percentile per-packet one-way delay: 19.282 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 146.46 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 239.79 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.04%
```

Run 10: Report of TCP Cubic — Data Link

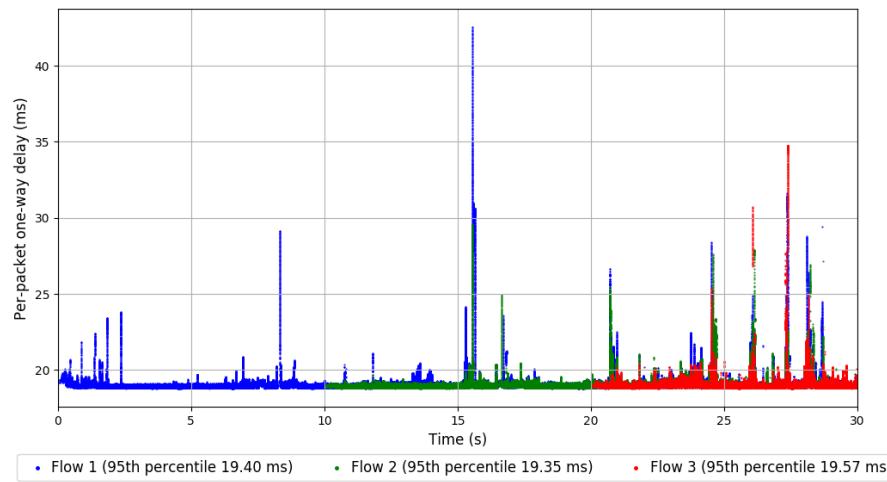
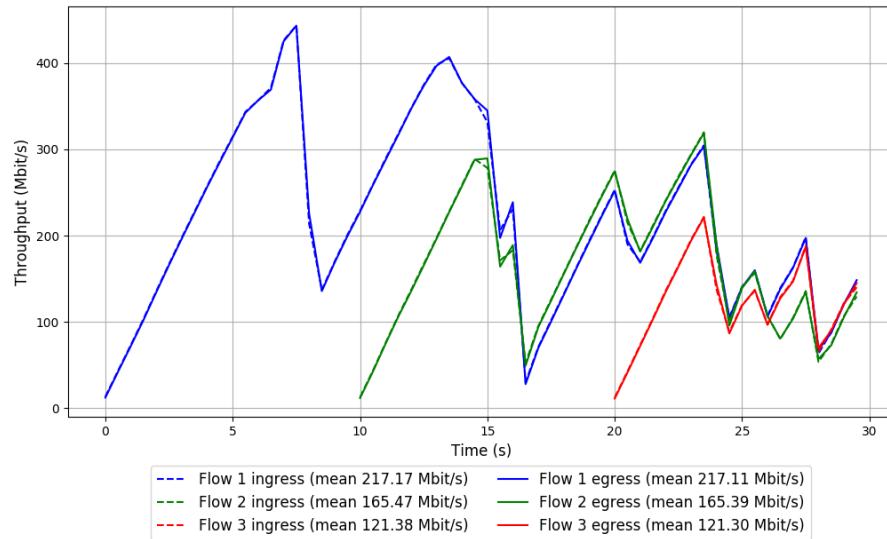


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-24 21:49:37
End at: 2018-04-24 21:50:07
Local clock offset: 0.154 ms
Remote clock offset: -5.284 ms

# Below is generated by plot.py at 2018-04-25 04:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 367.50 Mbit/s
95th percentile per-packet one-way delay: 19.406 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 217.11 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 165.39 Mbit/s
95th percentile per-packet one-way delay: 19.352 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 121.30 Mbit/s
95th percentile per-packet one-way delay: 19.565 ms
Loss rate: 0.06%
```

Run 1: Report of LEDBAT — Data Link

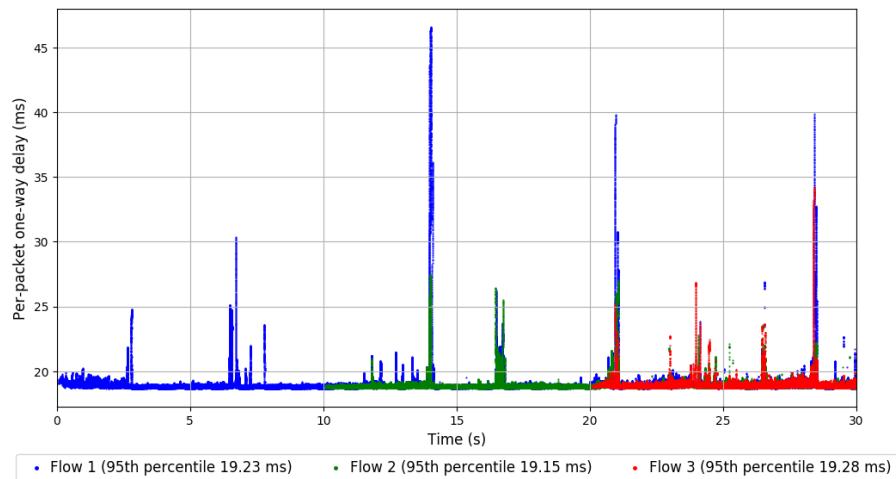
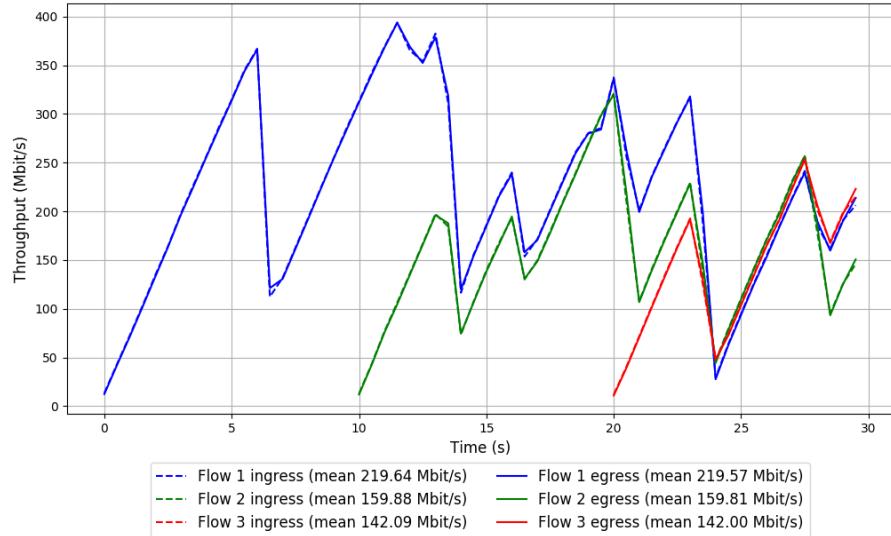


Run 2: Statistics of LEDBAT

```
Start at: 2018-04-24 22:16:11
End at: 2018-04-24 22:16:41
Local clock offset: 0.063 ms
Remote clock offset: -5.719 ms

# Below is generated by plot.py at 2018-04-25 04:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.09 Mbit/s
95th percentile per-packet one-way delay: 19.215 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 219.57 Mbit/s
95th percentile per-packet one-way delay: 19.228 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 159.81 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 142.00 Mbit/s
95th percentile per-packet one-way delay: 19.284 ms
Loss rate: 0.06%
```

Run 2: Report of LEDBAT — Data Link

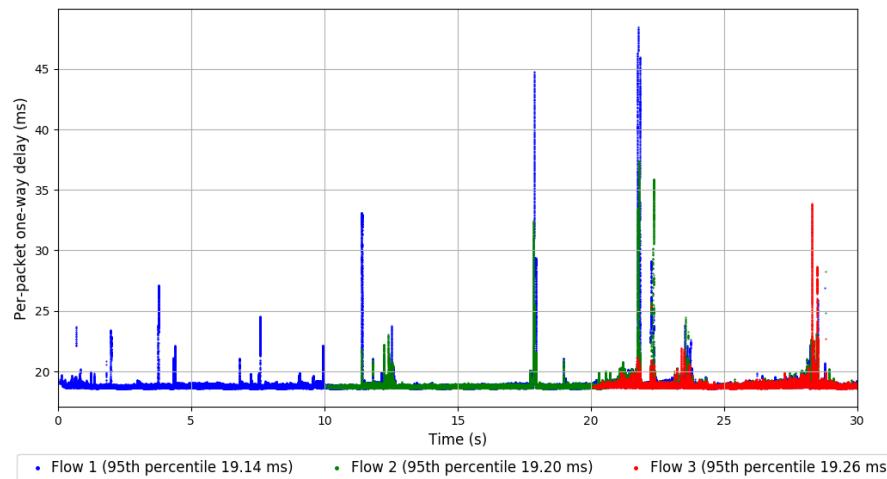
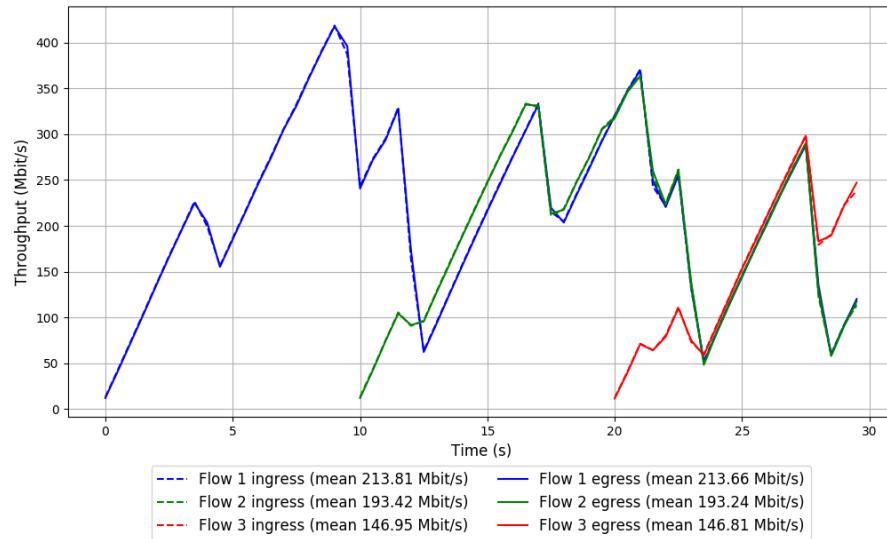


Run 3: Statistics of LEDBAT

```
Start at: 2018-04-24 22:42:55
End at: 2018-04-24 22:43:25
Local clock offset: -0.003 ms
Remote clock offset: -5.606 ms

# Below is generated by plot.py at 2018-04-25 04:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.98 Mbit/s
95th percentile per-packet one-way delay: 19.175 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 213.66 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 193.24 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 146.81 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.10%
```

Run 3: Report of LEDBAT — Data Link

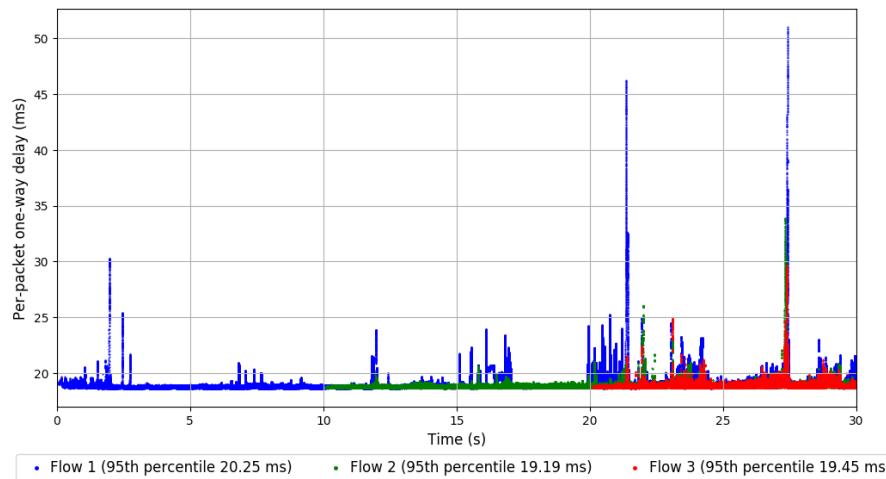
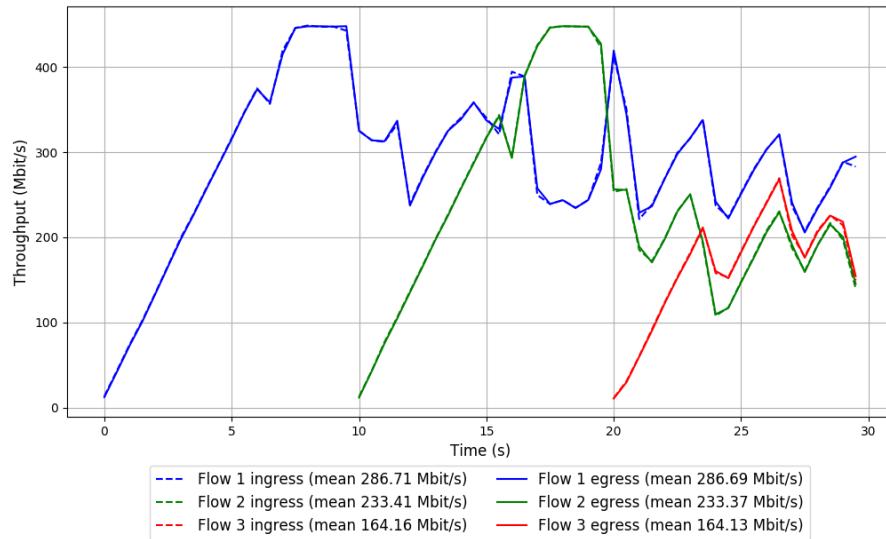


Run 4: Statistics of LEDBAT

```
Start at: 2018-04-24 23:09:35
End at: 2018-04-24 23:10:05
Local clock offset: 0.054 ms
Remote clock offset: -6.142 ms

# Below is generated by plot.py at 2018-04-25 04:39:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.49 Mbit/s
95th percentile per-packet one-way delay: 19.732 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 286.69 Mbit/s
95th percentile per-packet one-way delay: 20.245 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 233.37 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 164.13 Mbit/s
95th percentile per-packet one-way delay: 19.455 ms
Loss rate: 0.02%
```

Run 4: Report of LEDBAT — Data Link

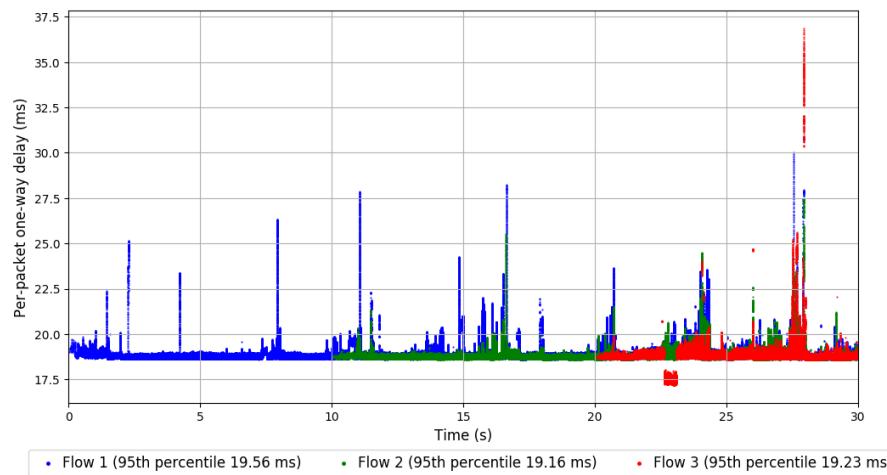
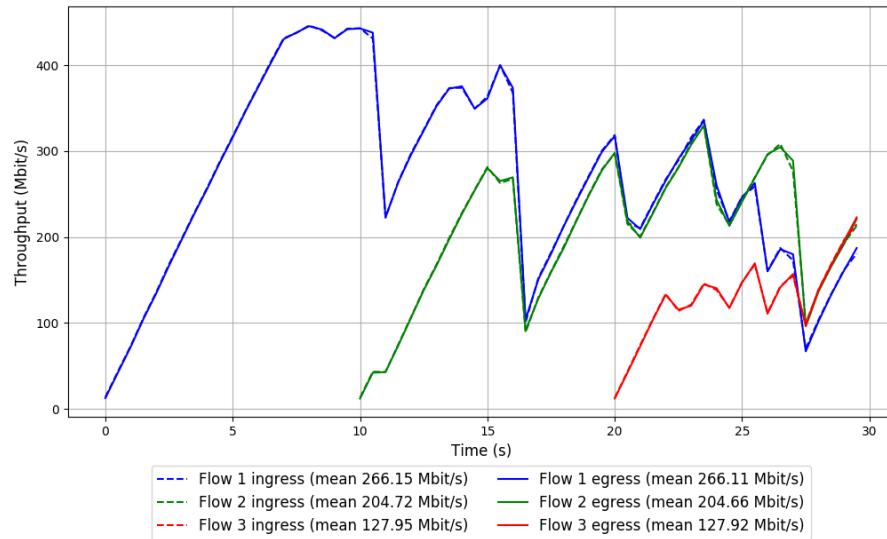


Run 5: Statistics of LEDBAT

```
Start at: 2018-04-24 23:36:19
End at: 2018-04-24 23:36:49
Local clock offset: 0.356 ms
Remote clock offset: -6.698 ms

# Below is generated by plot.py at 2018-04-25 04:39:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 444.85 Mbit/s
95th percentile per-packet one-way delay: 19.412 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 266.11 Mbit/s
95th percentile per-packet one-way delay: 19.564 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 204.66 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 127.92 Mbit/s
95th percentile per-packet one-way delay: 19.225 ms
Loss rate: 0.02%
```

Run 5: Report of LEDBAT — Data Link

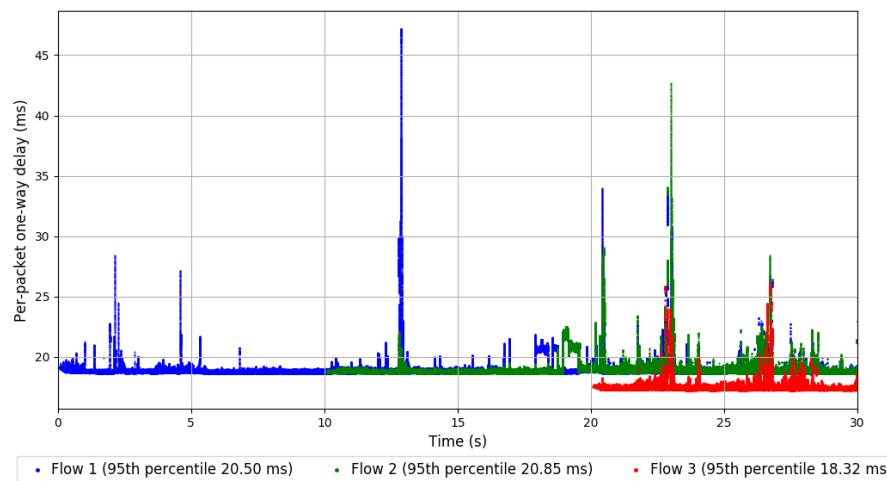
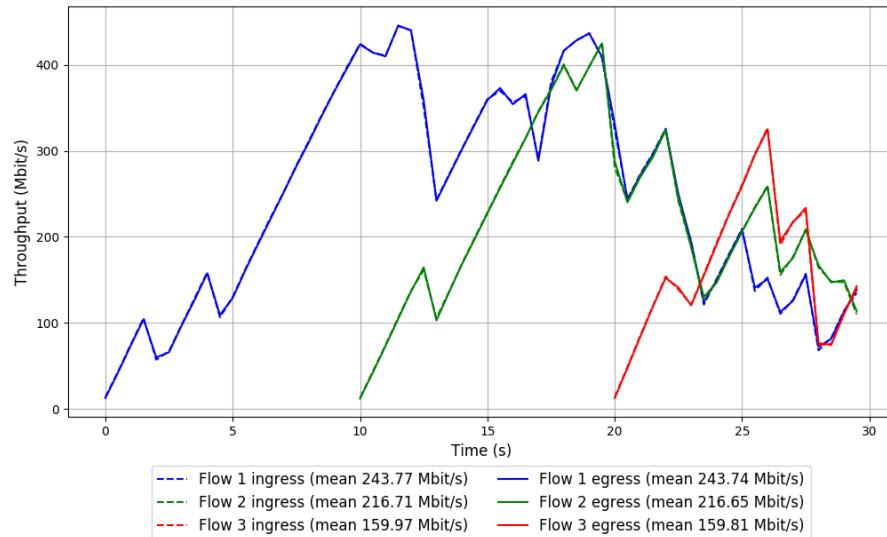


Run 6: Statistics of LEDBAT

```
Start at: 2018-04-25 00:02:53
End at: 2018-04-25 00:03:23
Local clock offset: 0.091 ms
Remote clock offset: -5.596 ms

# Below is generated by plot.py at 2018-04-25 04:39:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 440.94 Mbit/s
95th percentile per-packet one-way delay: 20.554 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 243.74 Mbit/s
95th percentile per-packet one-way delay: 20.496 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 216.65 Mbit/s
95th percentile per-packet one-way delay: 20.848 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 159.81 Mbit/s
95th percentile per-packet one-way delay: 18.317 ms
Loss rate: 0.05%
```

Run 6: Report of LEDBAT — Data Link

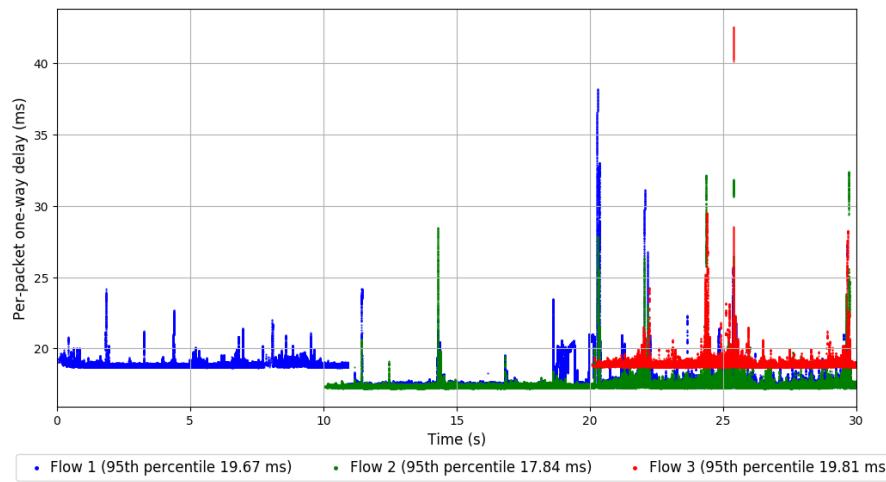
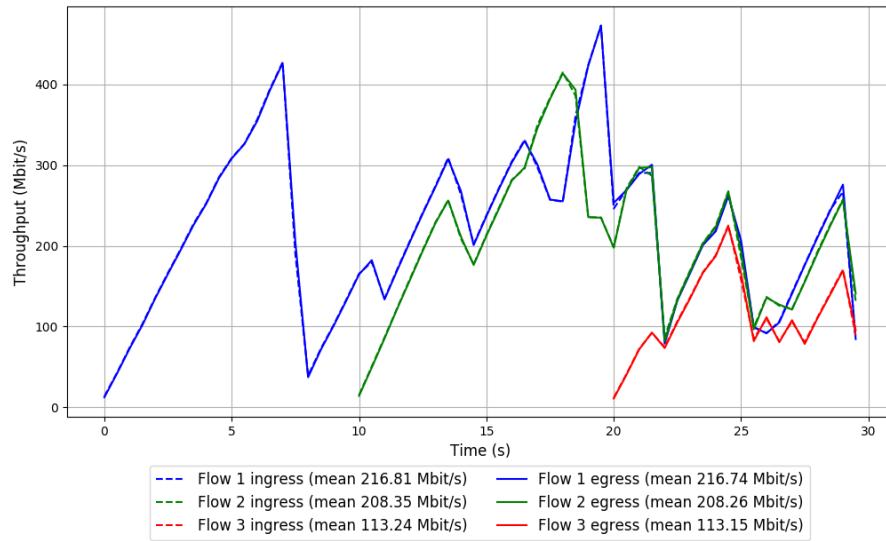


Run 7: Statistics of LEDBAT

```
Start at: 2018-04-25 00:29:21
End at: 2018-04-25 00:29:51
Local clock offset: -0.04 ms
Remote clock offset: -5.535 ms

# Below is generated by plot.py at 2018-04-25 04:39:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.90 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 216.74 Mbit/s
95th percentile per-packet one-way delay: 19.671 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 208.26 Mbit/s
95th percentile per-packet one-way delay: 17.841 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 113.15 Mbit/s
95th percentile per-packet one-way delay: 19.811 ms
Loss rate: 0.08%
```

Run 7: Report of LEDBAT — Data Link

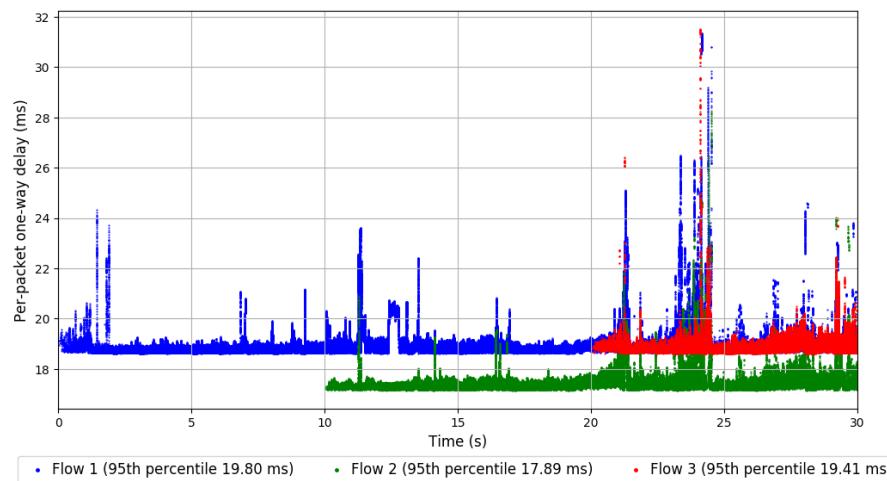
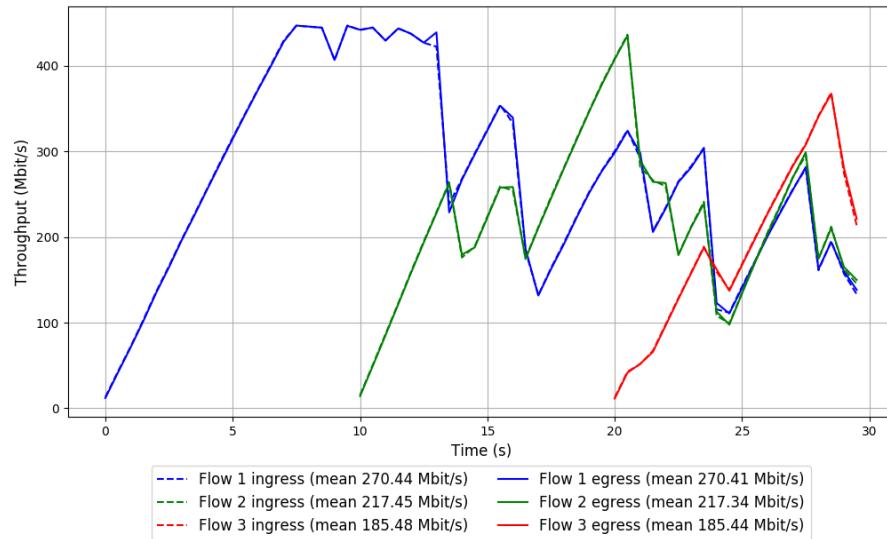


Run 8: Statistics of LEDBAT

```
Start at: 2018-04-25 00:55:54
End at: 2018-04-25 00:56:24
Local clock offset: 0.002 ms
Remote clock offset: -5.405 ms

# Below is generated by plot.py at 2018-04-25 04:39:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.69 Mbit/s
95th percentile per-packet one-way delay: 19.419 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 270.41 Mbit/s
95th percentile per-packet one-way delay: 19.795 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 217.34 Mbit/s
95th percentile per-packet one-way delay: 17.892 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 185.44 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.03%
```

Run 8: Report of LEDBAT — Data Link

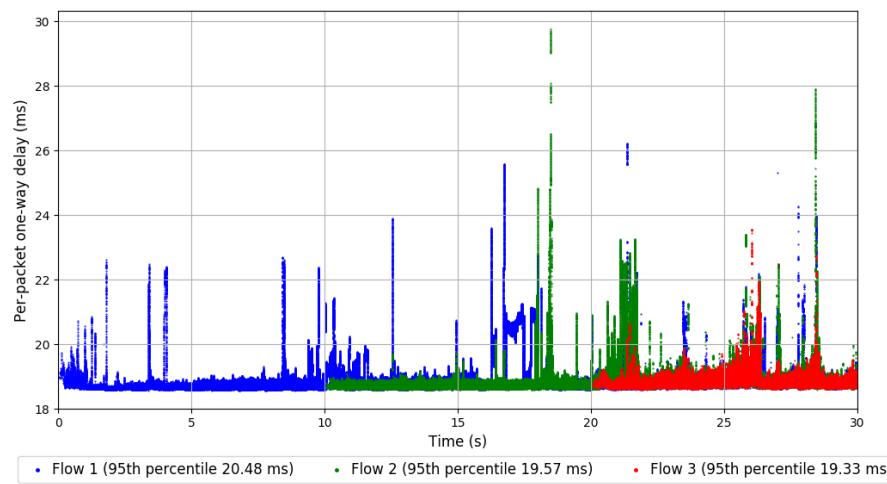
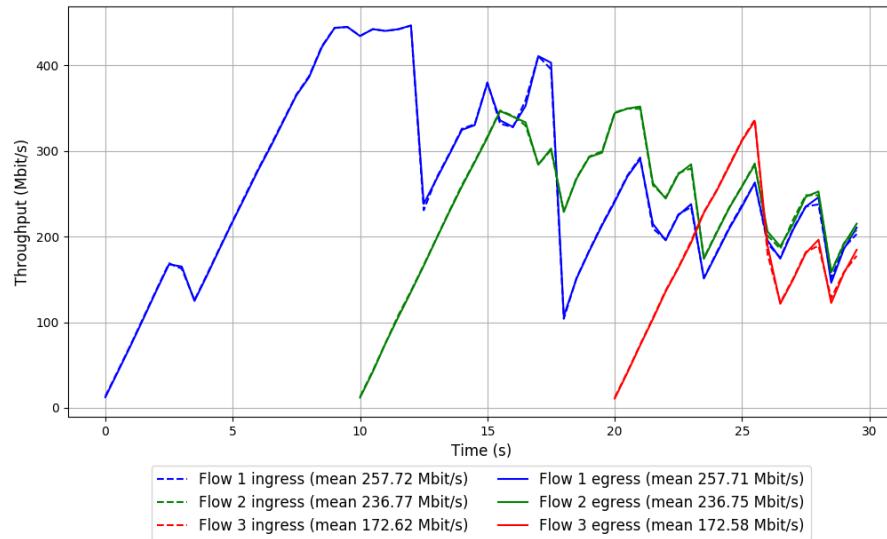


Run 9: Statistics of LEDBAT

```
Start at: 2018-04-25 01:22:36
End at: 2018-04-25 01:23:06
Local clock offset: 0.414 ms
Remote clock offset: -5.823 ms

# Below is generated by plot.py at 2018-04-25 04:39:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 472.66 Mbit/s
95th percentile per-packet one-way delay: 19.886 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 257.71 Mbit/s
95th percentile per-packet one-way delay: 20.482 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 236.75 Mbit/s
95th percentile per-packet one-way delay: 19.571 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 172.58 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.02%
```

Run 9: Report of LEDBAT — Data Link

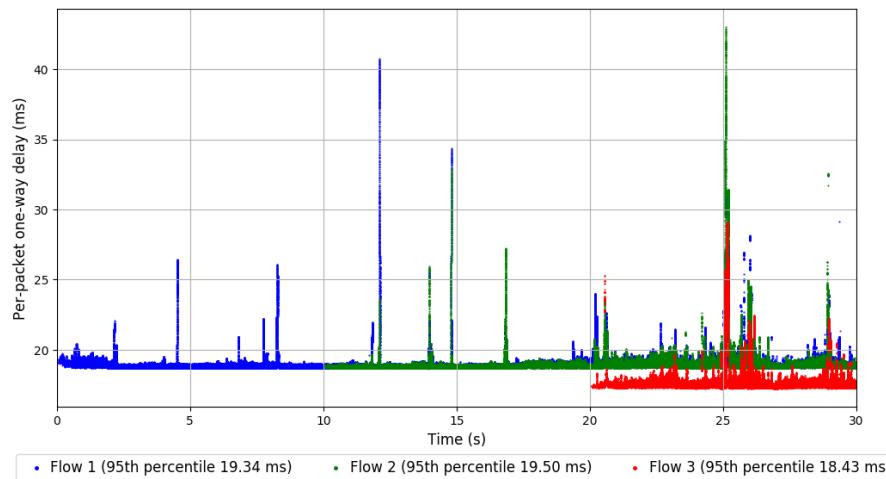
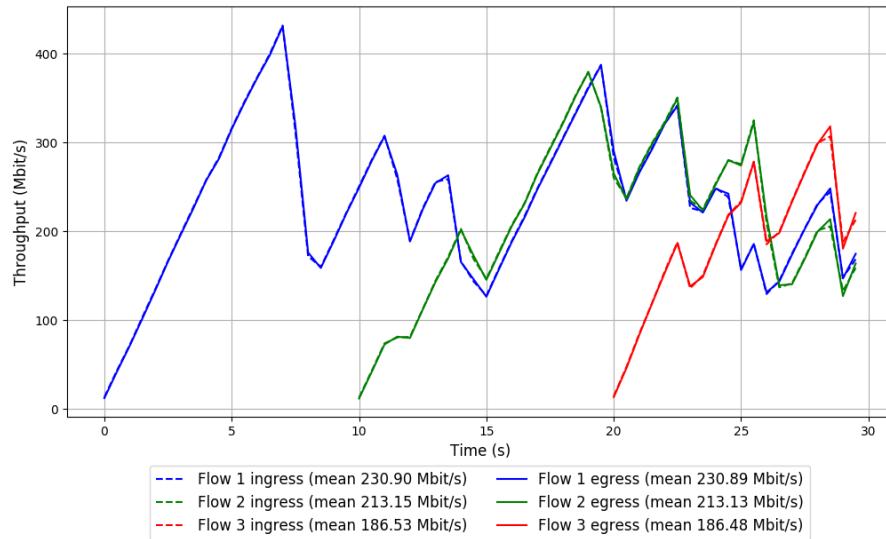


Run 10: Statistics of LEDBAT

```
Start at: 2018-04-25 01:49:30
End at: 2018-04-25 01:50:00
Local clock offset: 0.364 ms
Remote clock offset: -6.694 ms

# Below is generated by plot.py at 2018-04-25 04:40:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 434.61 Mbit/s
95th percentile per-packet one-way delay: 19.371 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 230.89 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 213.13 Mbit/s
95th percentile per-packet one-way delay: 19.502 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 186.48 Mbit/s
95th percentile per-packet one-way delay: 18.433 ms
Loss rate: 0.02%
```

Run 10: Report of LEDBAT — Data Link

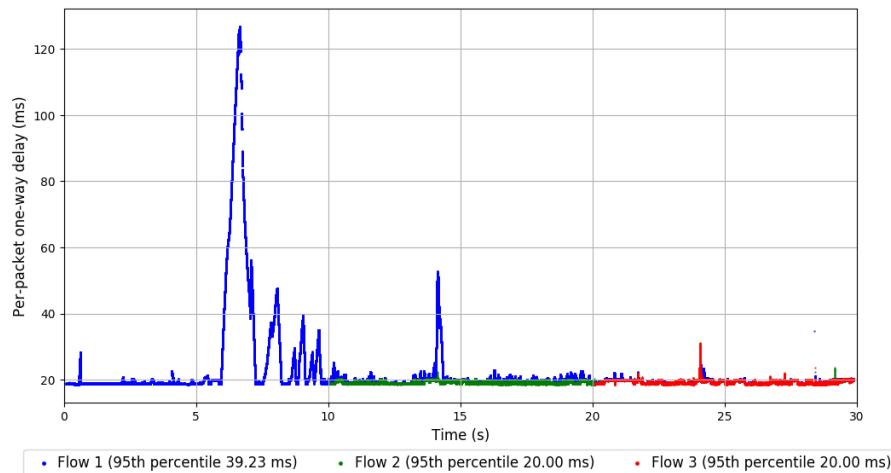
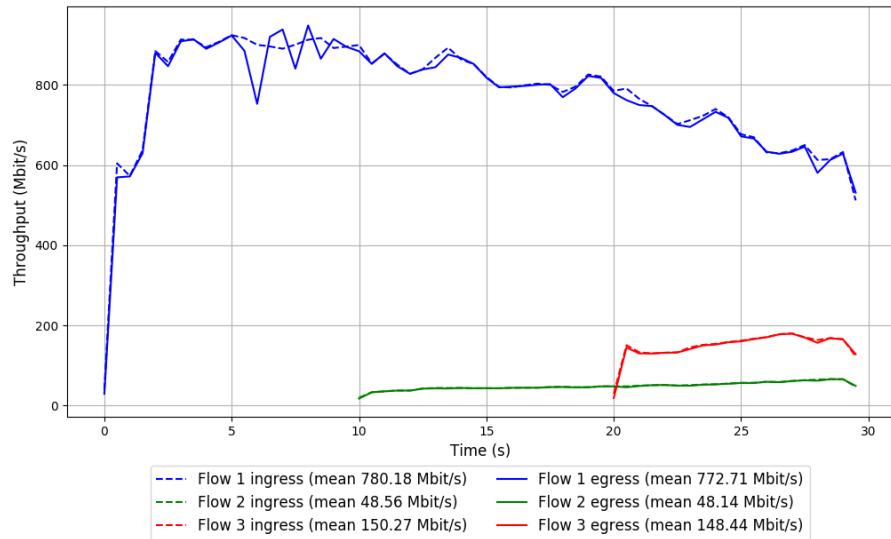


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-04-24 21:35:04
End at: 2018-04-24 21:35:34
Local clock offset: 0.295 ms
Remote clock offset: -5.357 ms

# Below is generated by plot.py at 2018-04-25 04:49:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 853.67 Mbit/s
95th percentile per-packet one-way delay: 37.246 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 772.71 Mbit/s
95th percentile per-packet one-way delay: 39.234 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 20.005 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 148.44 Mbit/s
95th percentile per-packet one-way delay: 20.002 ms
Loss rate: 1.21%
```

Run 1: Report of PCC-Allegro — Data Link

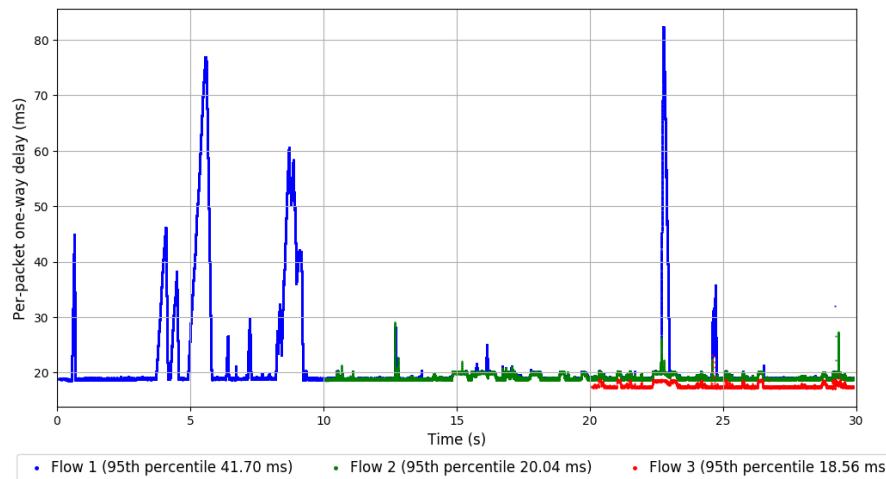
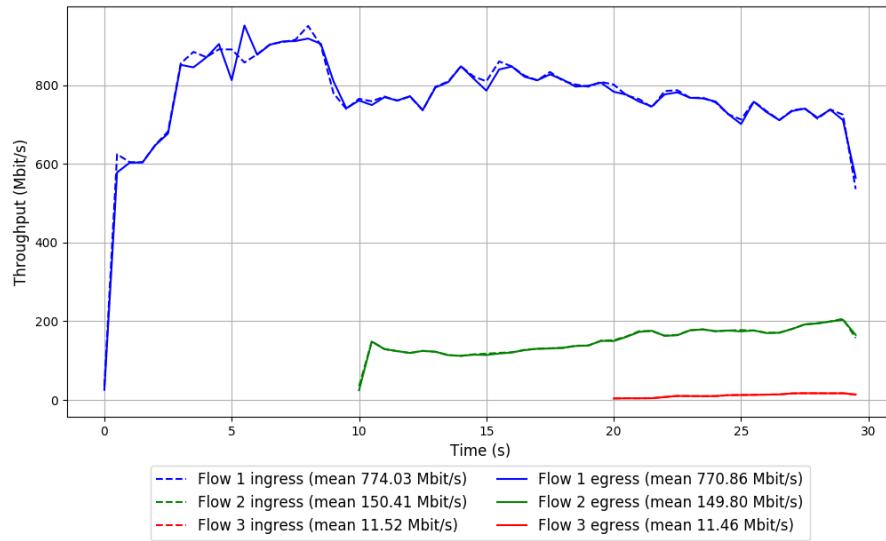


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-04-24 22:01:35
End at: 2018-04-24 22:02:05
Local clock offset: 0.233 ms
Remote clock offset: -5.632 ms

# Below is generated by plot.py at 2018-04-25 04:51:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 874.23 Mbit/s
95th percentile per-packet one-way delay: 39.661 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 770.86 Mbit/s
95th percentile per-packet one-way delay: 41.698 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 149.80 Mbit/s
95th percentile per-packet one-way delay: 20.044 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 18.557 ms
Loss rate: 0.46%
```

Run 2: Report of PCC-Allegro — Data Link

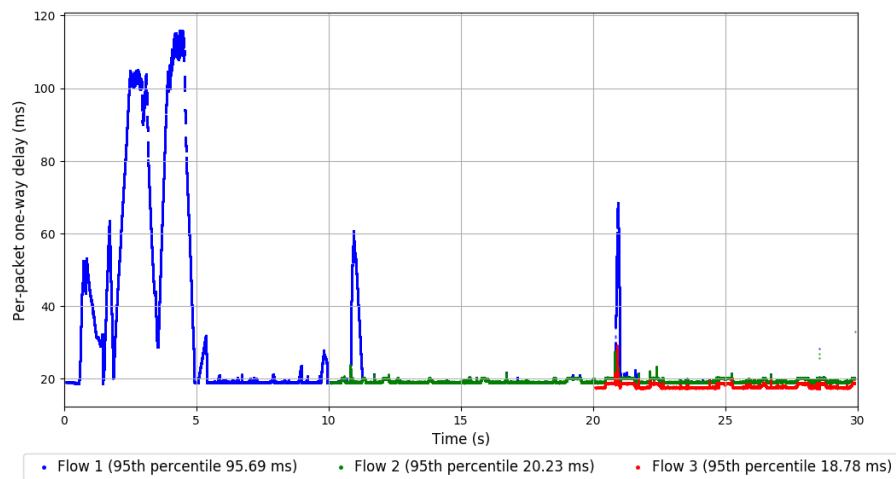
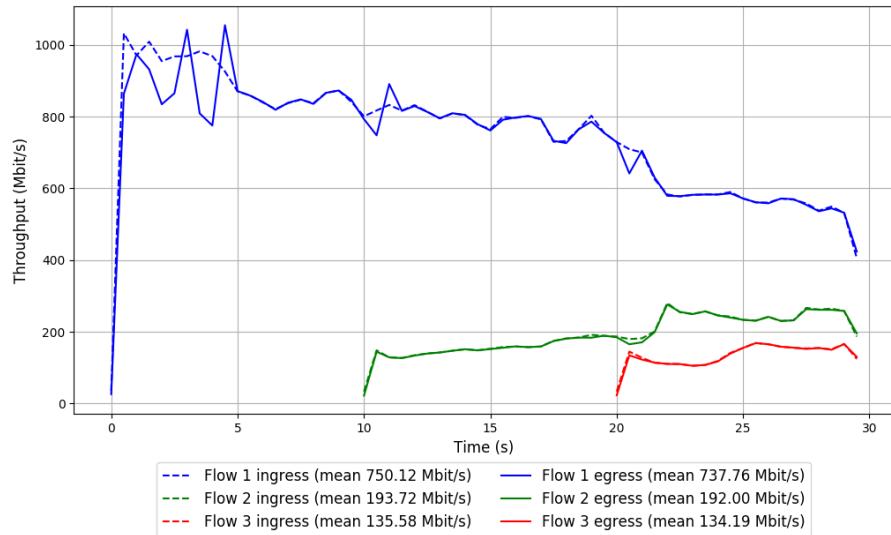


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-04-24 22:28:17
End at: 2018-04-24 22:28:47
Local clock offset: 0.015 ms
Remote clock offset: -5.795 ms

# Below is generated by plot.py at 2018-04-25 04:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 909.30 Mbit/s
95th percentile per-packet one-way delay: 83.829 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 737.76 Mbit/s
95th percentile per-packet one-way delay: 95.687 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 192.00 Mbit/s
95th percentile per-packet one-way delay: 20.232 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 134.19 Mbit/s
95th percentile per-packet one-way delay: 18.780 ms
Loss rate: 1.01%
```

Run 3: Report of PCC-Allegro — Data Link

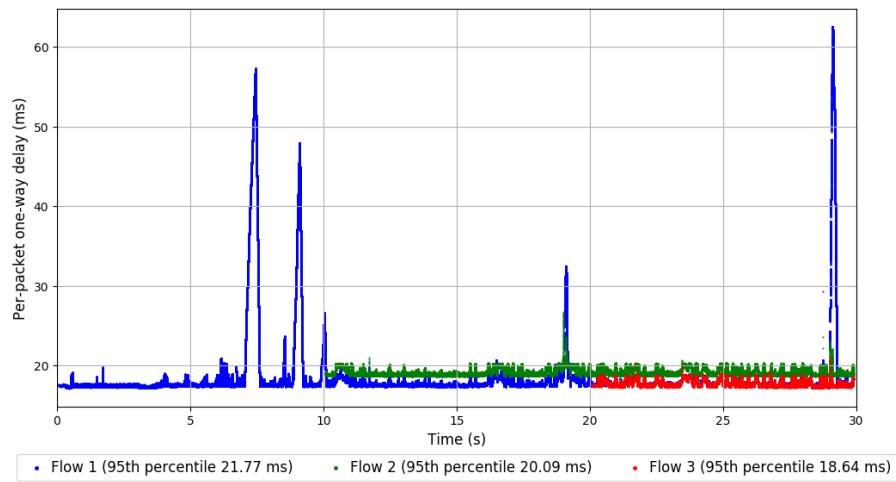
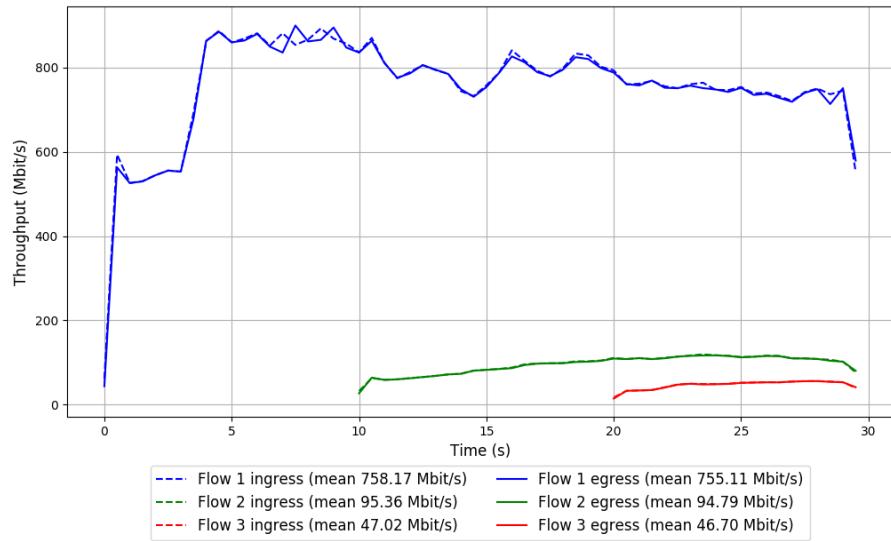


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-04-24 22:54:58
End at: 2018-04-24 22:55:28
Local clock offset: 0.006 ms
Remote clock offset: -5.596 ms

# Below is generated by plot.py at 2018-04-25 04:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 833.49 Mbit/s
95th percentile per-packet one-way delay: 20.553 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 755.11 Mbit/s
95th percentile per-packet one-way delay: 21.775 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 20.095 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 18.639 ms
Loss rate: 0.68%
```

Run 4: Report of PCC-Allegro — Data Link

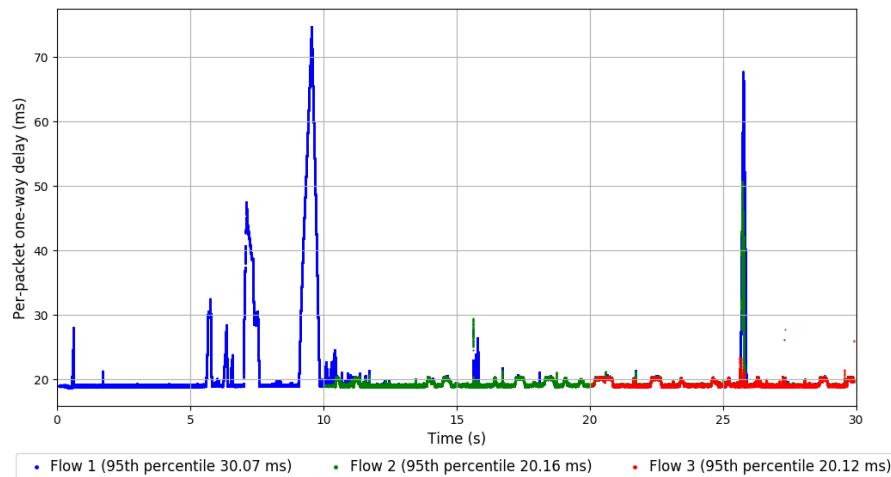
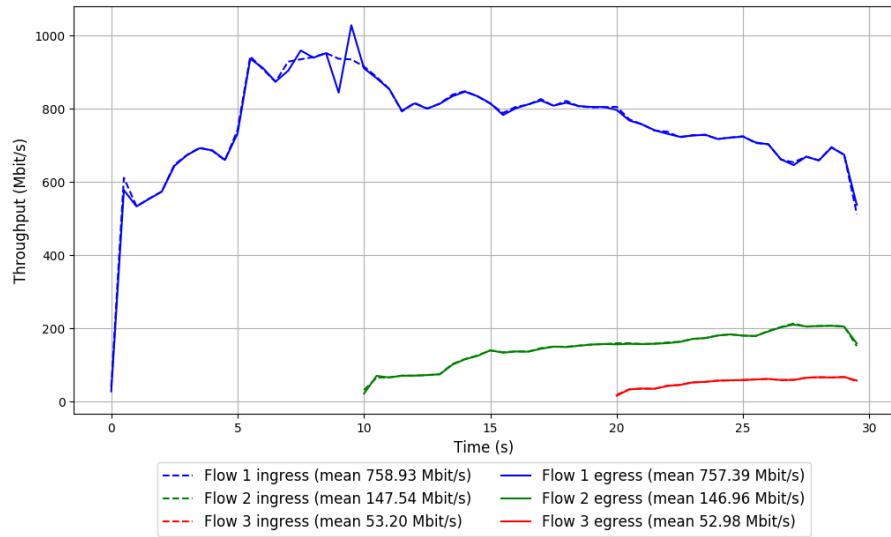


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-04-24 23:21:41
End at: 2018-04-24 23:22:11
Local clock offset: 0.223 ms
Remote clock offset: -6.471 ms

# Below is generated by plot.py at 2018-04-25 04:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 872.43 Mbit/s
95th percentile per-packet one-way delay: 28.891 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 757.39 Mbit/s
95th percentile per-packet one-way delay: 30.070 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 146.96 Mbit/s
95th percentile per-packet one-way delay: 20.155 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 52.98 Mbit/s
95th percentile per-packet one-way delay: 20.123 ms
Loss rate: 0.35%
```

Run 5: Report of PCC-Allegro — Data Link

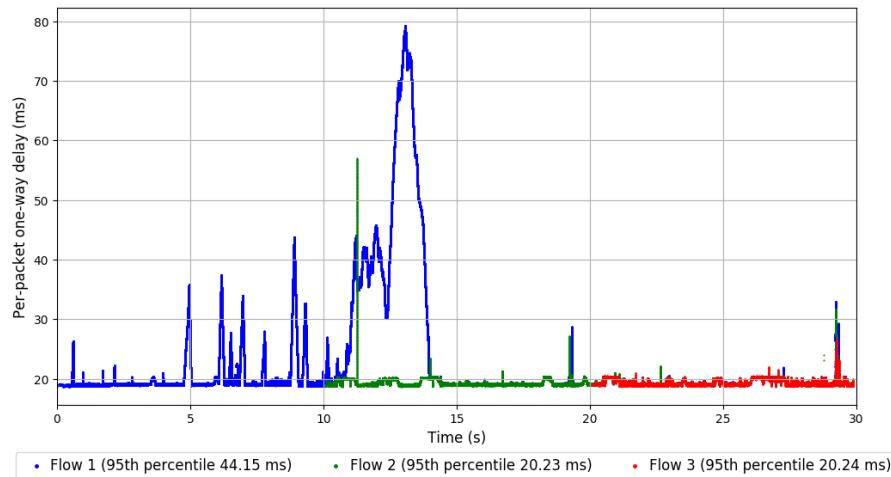
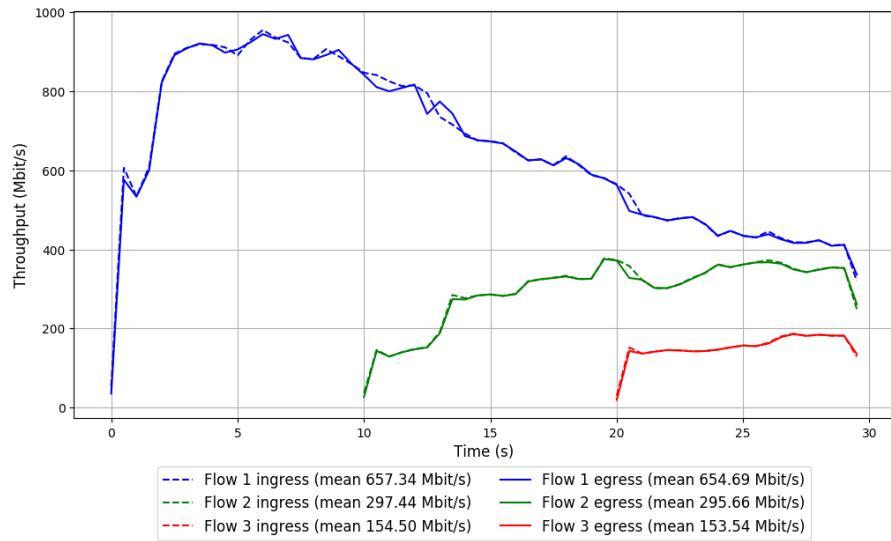


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-04-24 23:48:17
End at: 2018-04-24 23:48:47
Local clock offset: 0.512 ms
Remote clock offset: -5.795 ms

# Below is generated by plot.py at 2018-04-25 04:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 901.84 Mbit/s
95th percentile per-packet one-way delay: 40.770 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 654.69 Mbit/s
95th percentile per-packet one-way delay: 44.148 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 295.66 Mbit/s
95th percentile per-packet one-way delay: 20.231 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 153.54 Mbit/s
95th percentile per-packet one-way delay: 20.241 ms
Loss rate: 0.62%
```

Run 6: Report of PCC-Allegro — Data Link

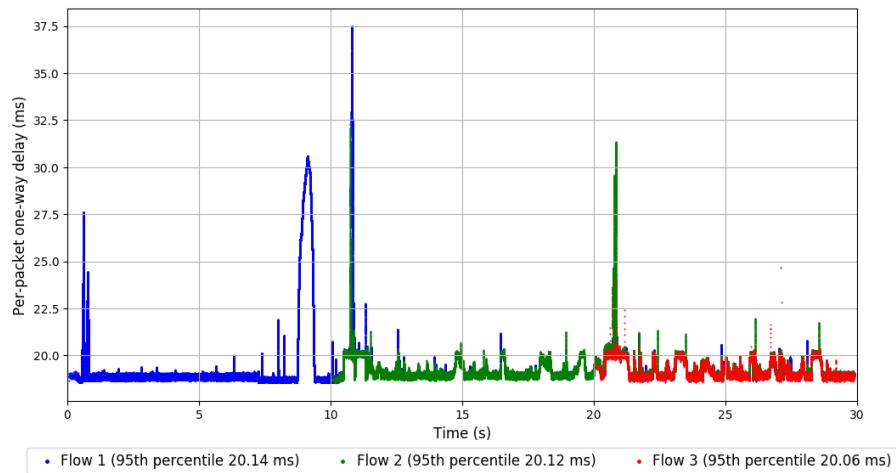
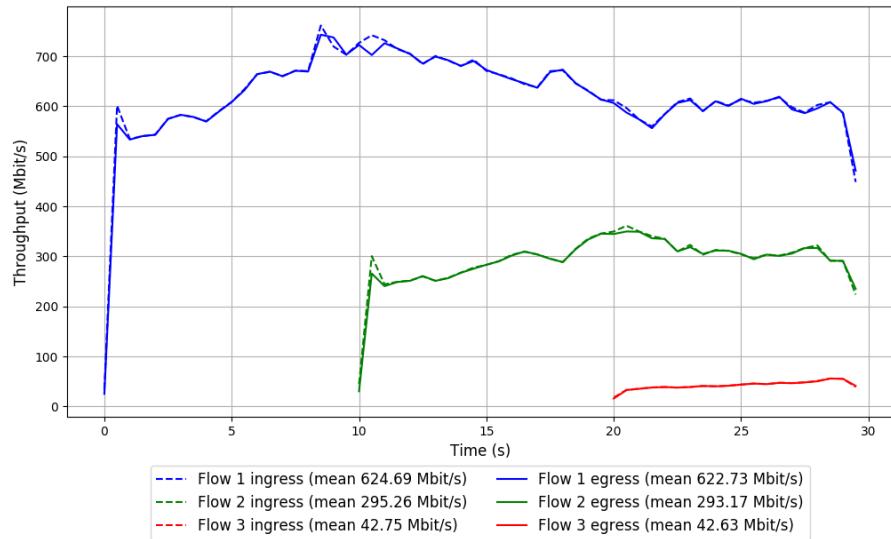


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-04-25 00:14:45
End at: 2018-04-25 00:15:15
Local clock offset: -0.026 ms
Remote clock offset: -5.591 ms

# Below is generated by plot.py at 2018-04-25 04:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 831.71 Mbit/s
95th percentile per-packet one-way delay: 20.133 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 622.73 Mbit/s
95th percentile per-packet one-way delay: 20.141 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 293.17 Mbit/s
95th percentile per-packet one-way delay: 20.120 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 20.064 ms
Loss rate: 0.30%
```

Run 7: Report of PCC-Allegro — Data Link

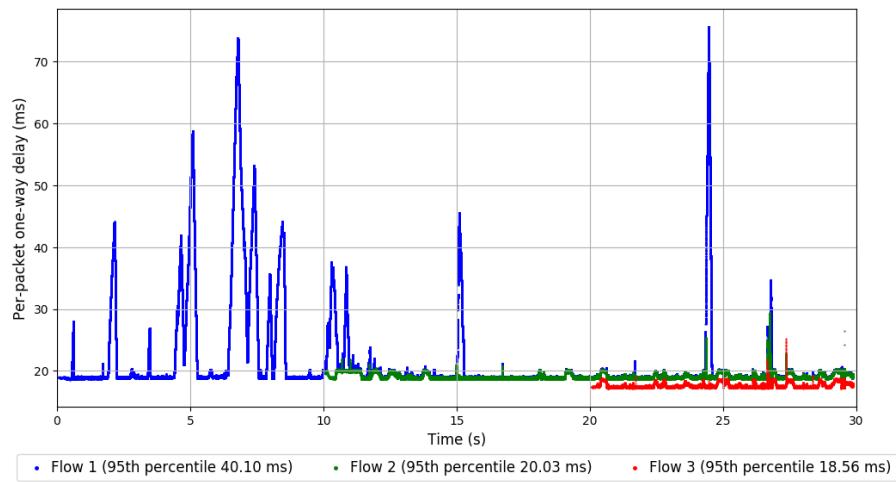
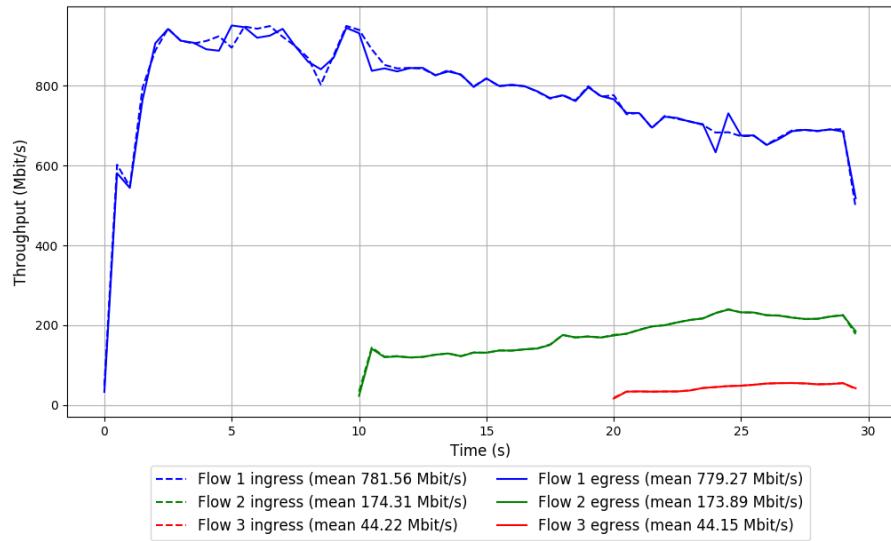


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-04-25 00:41:10
End at: 2018-04-25 00:41:40
Local clock offset: 0.04 ms
Remote clock offset: -5.59 ms

# Below is generated by plot.py at 2018-04-25 04:54:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 909.42 Mbit/s
95th percentile per-packet one-way delay: 38.345 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 779.27 Mbit/s
95th percentile per-packet one-way delay: 40.105 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 173.89 Mbit/s
95th percentile per-packet one-way delay: 20.029 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 18.564 ms
Loss rate: 0.15%
```

Run 8: Report of PCC-Allegro — Data Link

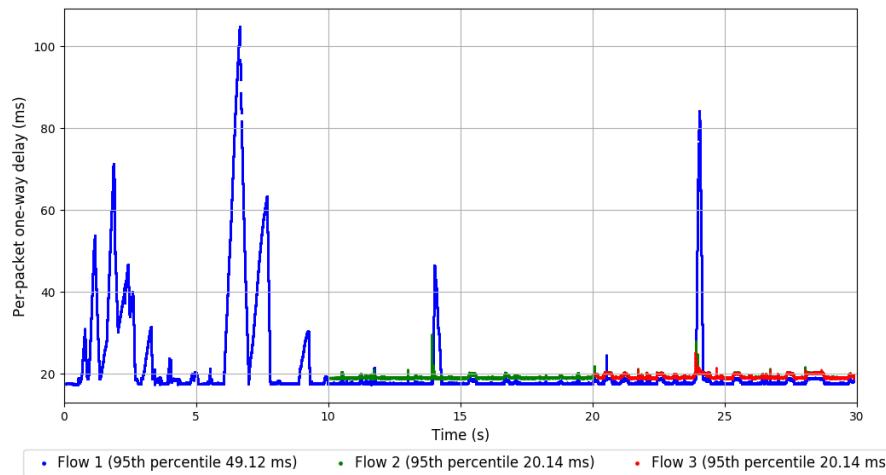
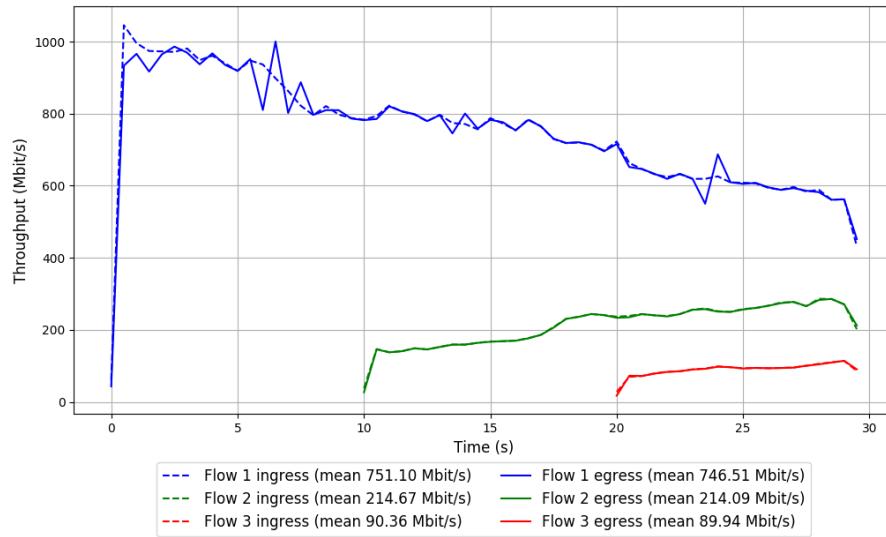


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-04-25 01:08:01
End at: 2018-04-25 01:08:31
Local clock offset: 0.286 ms
Remote clock offset: -5.327 ms

# Below is generated by plot.py at 2018-04-25 05:03:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 918.47 Mbit/s
95th percentile per-packet one-way delay: 45.076 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 746.51 Mbit/s
95th percentile per-packet one-way delay: 49.117 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 214.09 Mbit/s
95th percentile per-packet one-way delay: 20.139 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 20.145 ms
Loss rate: 0.47%
```

Run 9: Report of PCC-Allegro — Data Link

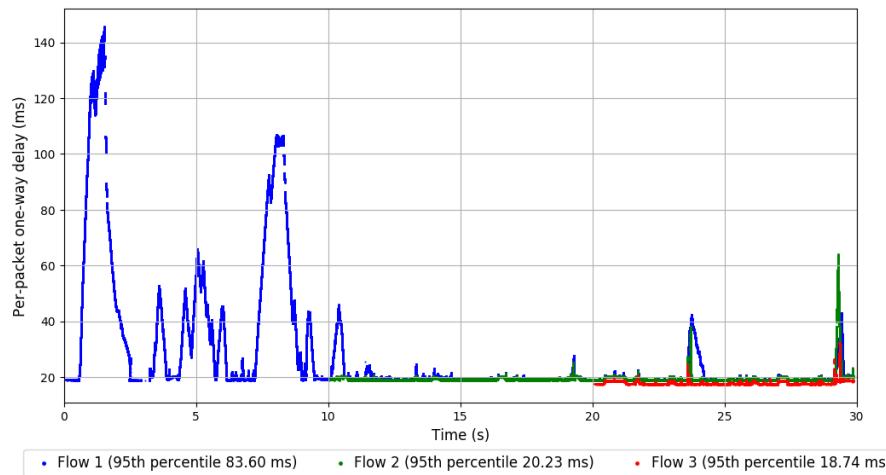
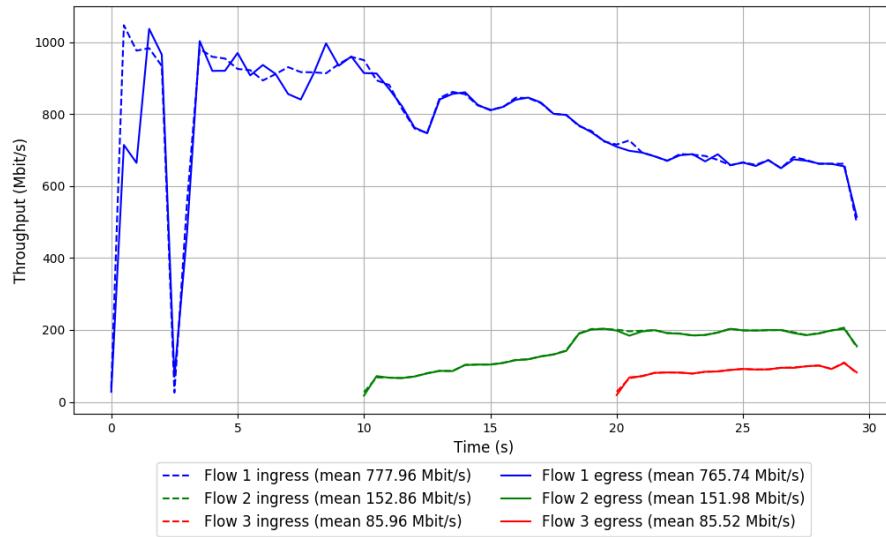


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-04-25 01:34:45
End at: 2018-04-25 01:35:15
Local clock offset: 0.351 ms
Remote clock offset: -6.421 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 894.91 Mbit/s
95th percentile per-packet one-way delay: 76.132 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 765.74 Mbit/s
95th percentile per-packet one-way delay: 83.597 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 151.98 Mbit/s
95th percentile per-packet one-way delay: 20.232 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 18.737 ms
Loss rate: 0.51%
```

Run 10: Report of PCC-Allegro — Data Link

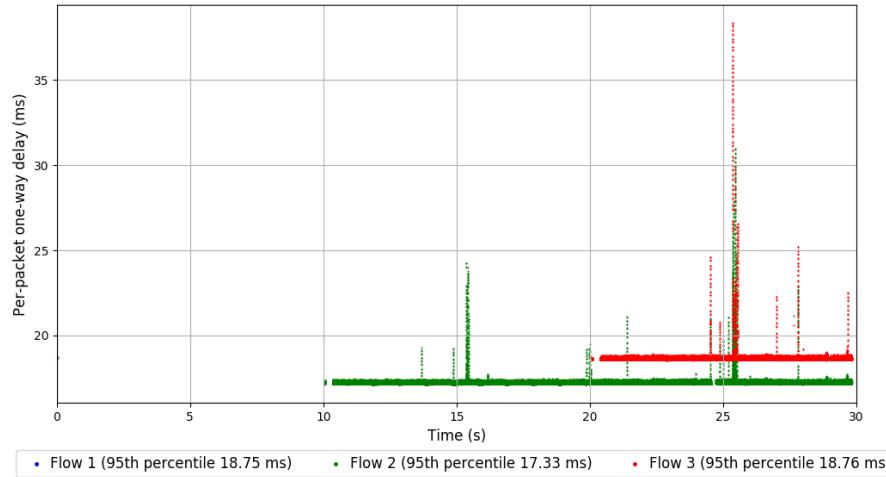
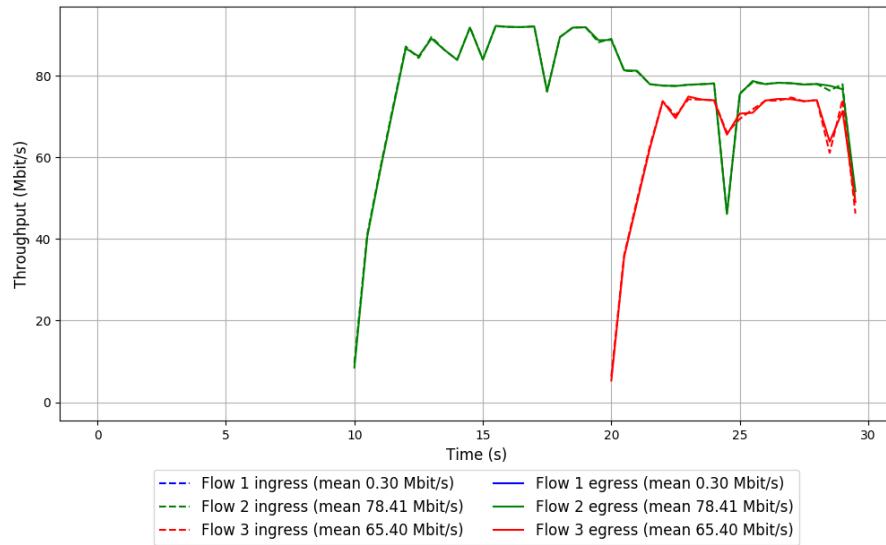


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-24 21:33:43
End at: 2018-04-24 21:34:13
Local clock offset: 0.307 ms
Remote clock offset: -5.354 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.57 Mbit/s
95th percentile per-packet one-way delay: 18.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 18.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.41 Mbit/s
95th percentile per-packet one-way delay: 17.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 18.756 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

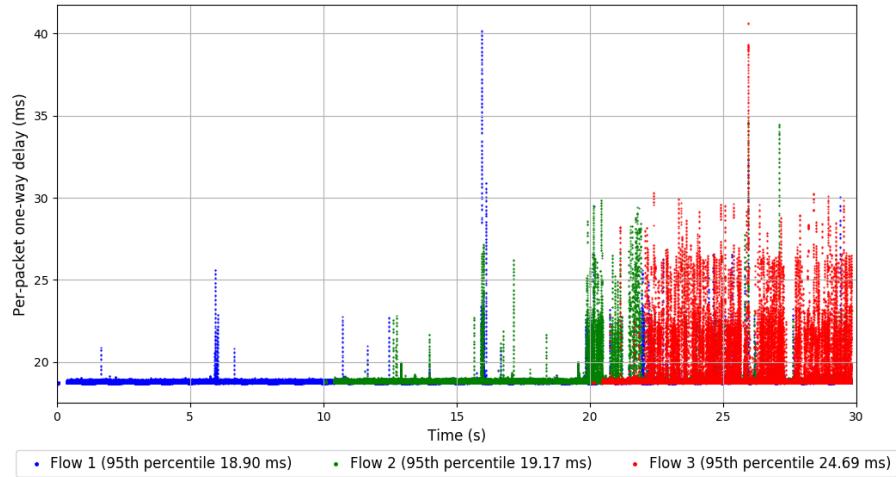
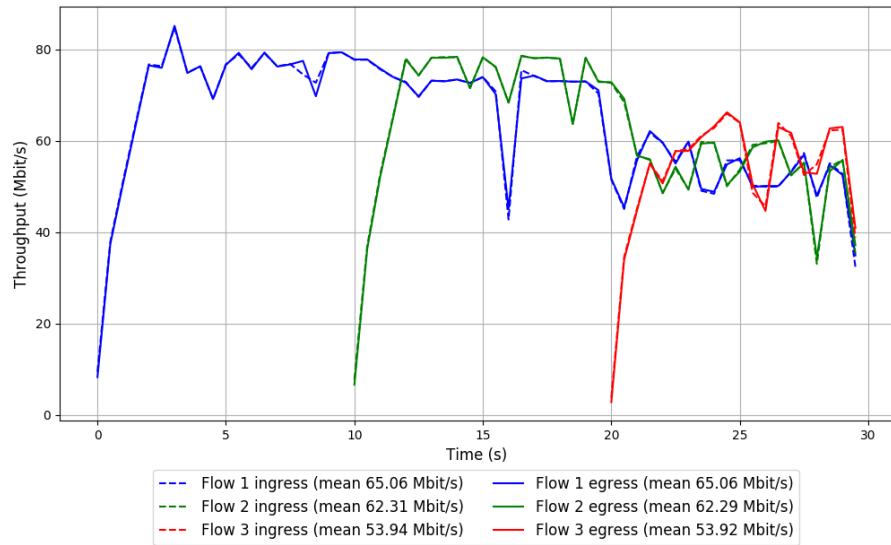


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-04-24 22:00:12
End at: 2018-04-24 22:00:42
Local clock offset: 0.222 ms
Remote clock offset: -5.497 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.01 Mbit/s
95th percentile per-packet one-way delay: 20.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.29 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 24.694 ms
Loss rate: 0.01%
```

Run 2: Report of QUIC Cubic — Data Link

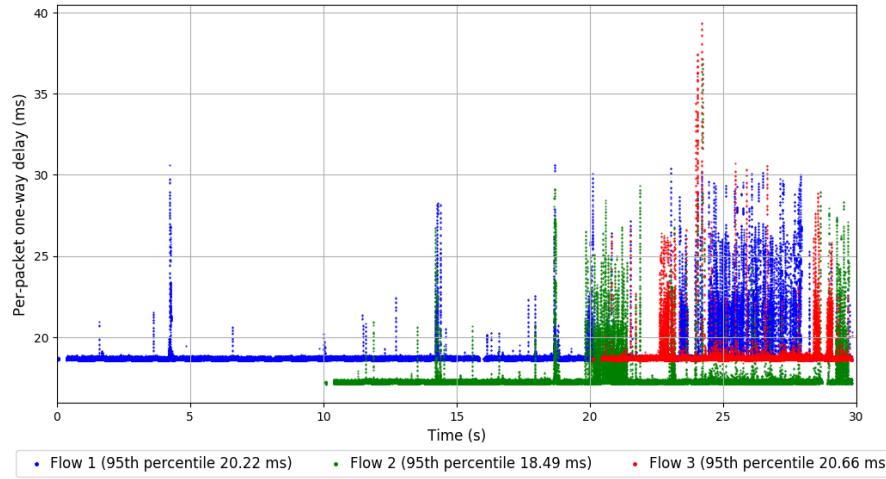
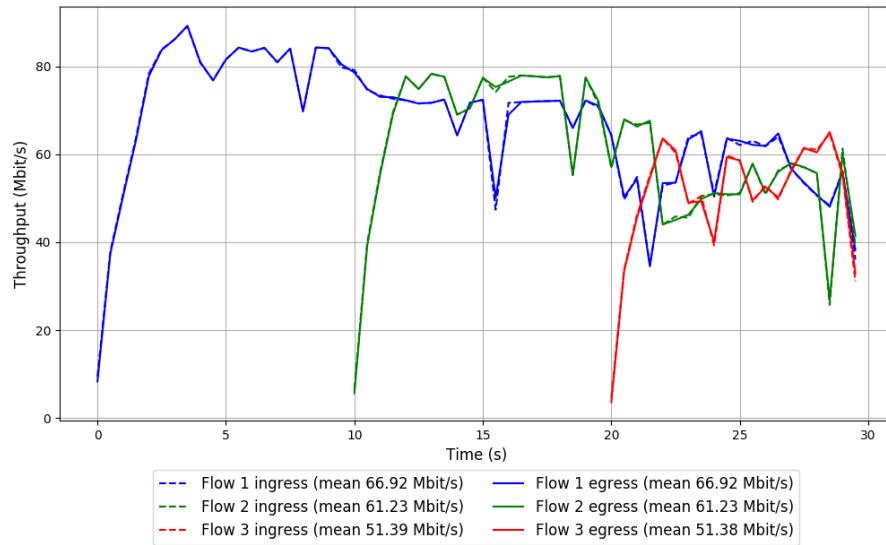


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-04-24 22:26:53
End at: 2018-04-24 22:27:23
Local clock offset: 0.044 ms
Remote clock offset: -5.947 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.35 Mbit/s
95th percentile per-packet one-way delay: 19.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.92 Mbit/s
95th percentile per-packet one-way delay: 20.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 18.494 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 20.656 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

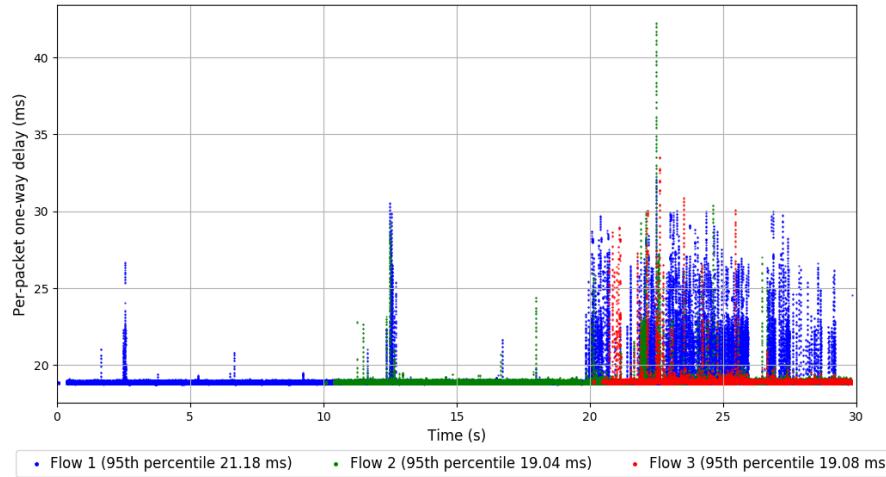
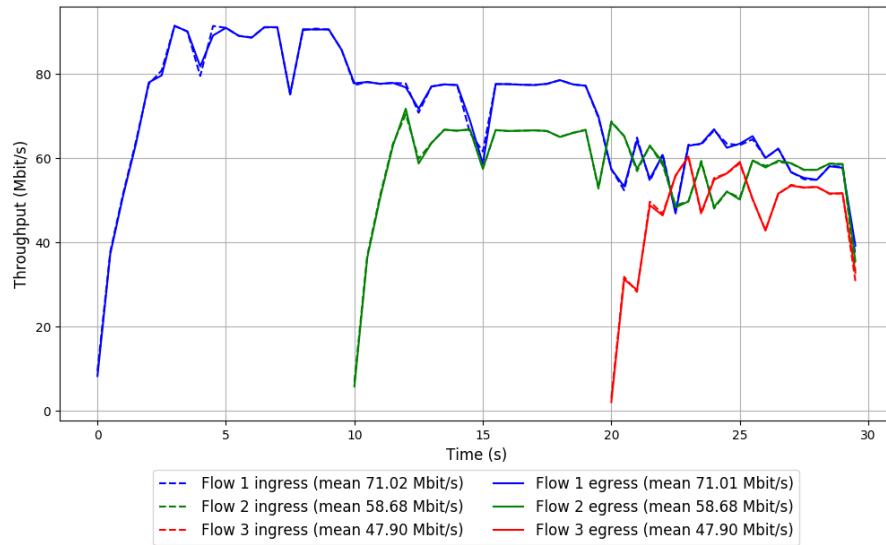


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-04-24 22:53:34
End at: 2018-04-24 22:54:04
Local clock offset: -0.076 ms
Remote clock offset: -5.503 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.50 Mbit/s
95th percentile per-packet one-way delay: 19.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 21.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.68 Mbit/s
95th percentile per-packet one-way delay: 19.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

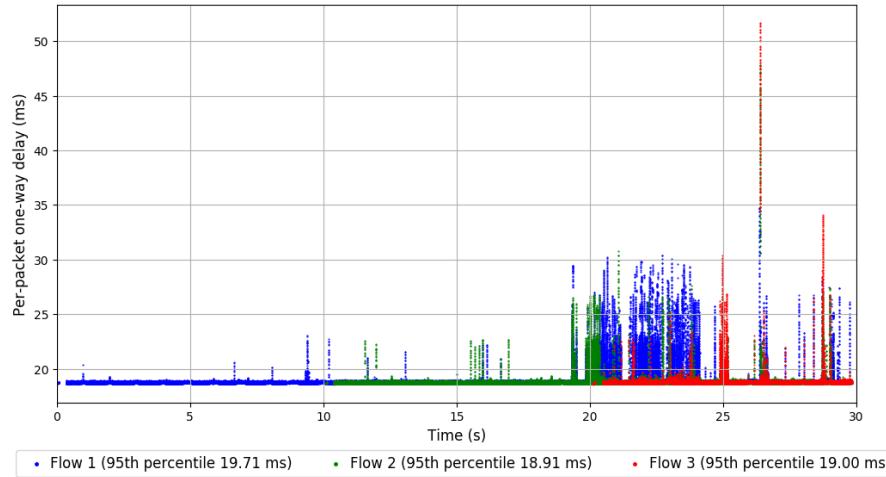
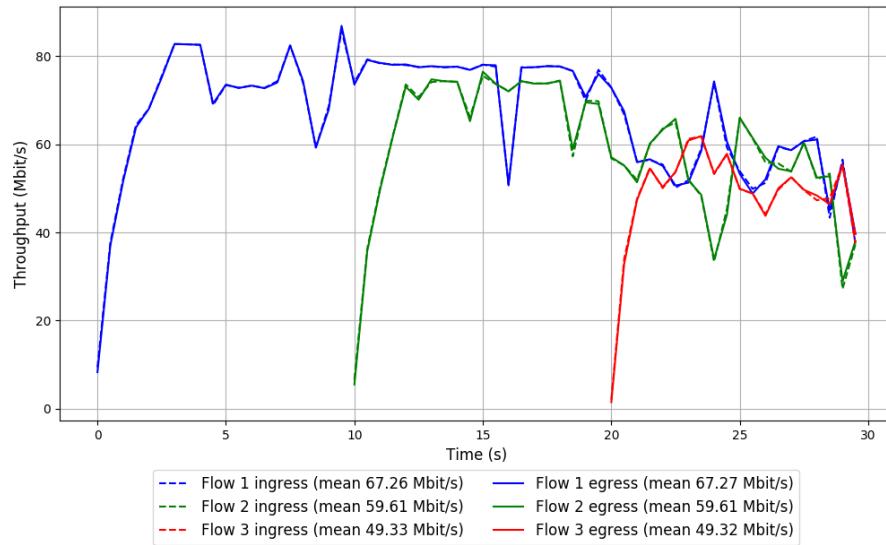


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-04-24 23:20:17
End at: 2018-04-24 23:20:47
Local clock offset: 0.214 ms
Remote clock offset: -6.449 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.87 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 19.712 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

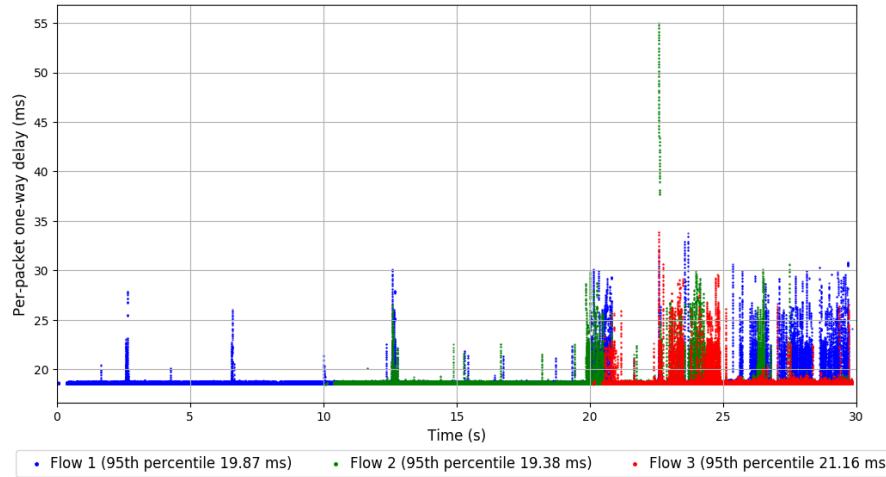
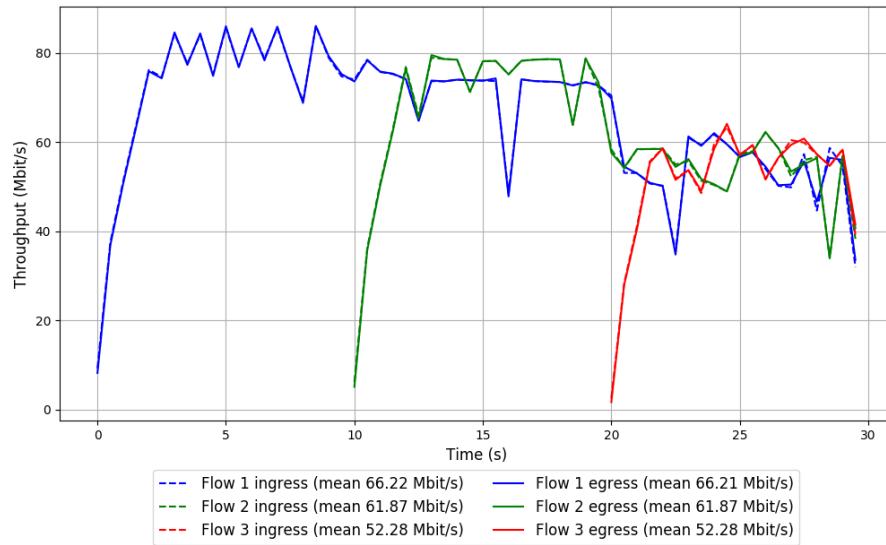


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-04-24 23:46:54
End at: 2018-04-24 23:47:24
Local clock offset: 0.597 ms
Remote clock offset: -5.909 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.28 Mbit/s
95th percentile per-packet one-way delay: 20.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 19.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 19.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.28 Mbit/s
95th percentile per-packet one-way delay: 21.158 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

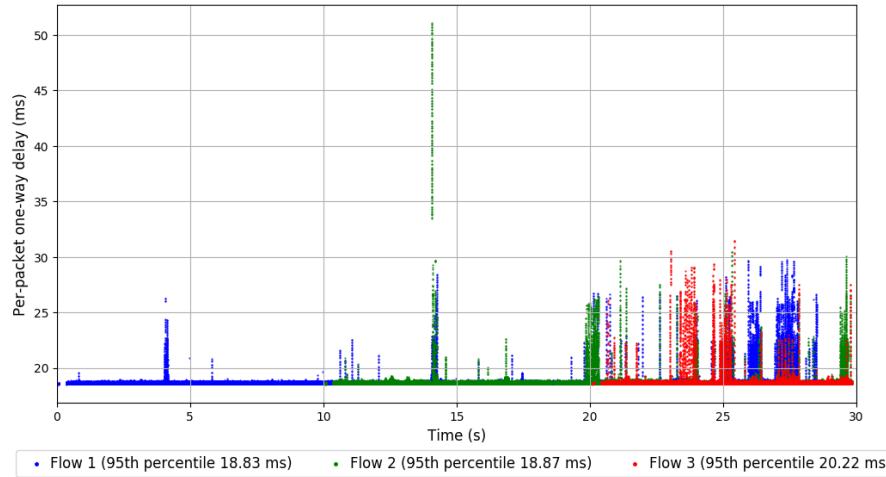
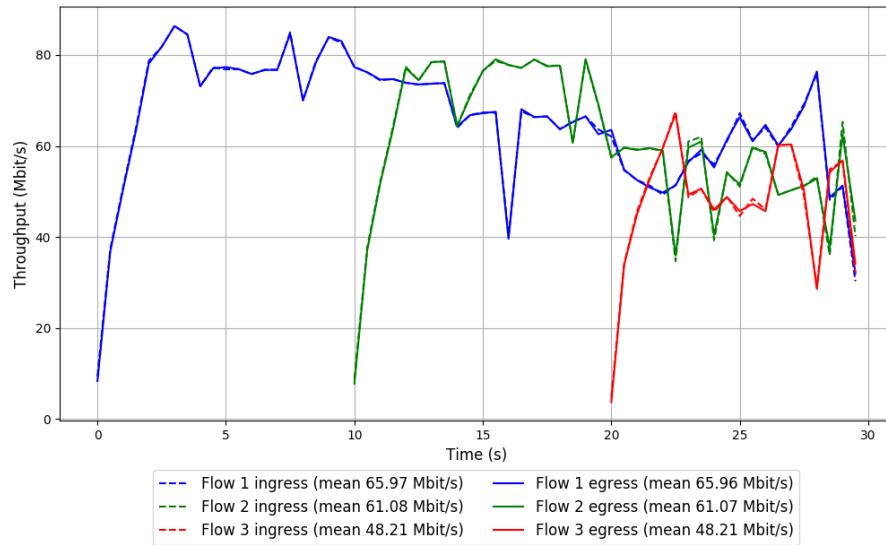


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-04-25 00:13:22
End at: 2018-04-25 00:13:52
Local clock offset: 0.021 ms
Remote clock offset: -5.565 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.30 Mbit/s
95th percentile per-packet one-way delay: 18.872 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 18.832 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 18.870 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 20.224 ms
Loss rate: 0.01%
```

Run 7: Report of QUIC Cubic — Data Link

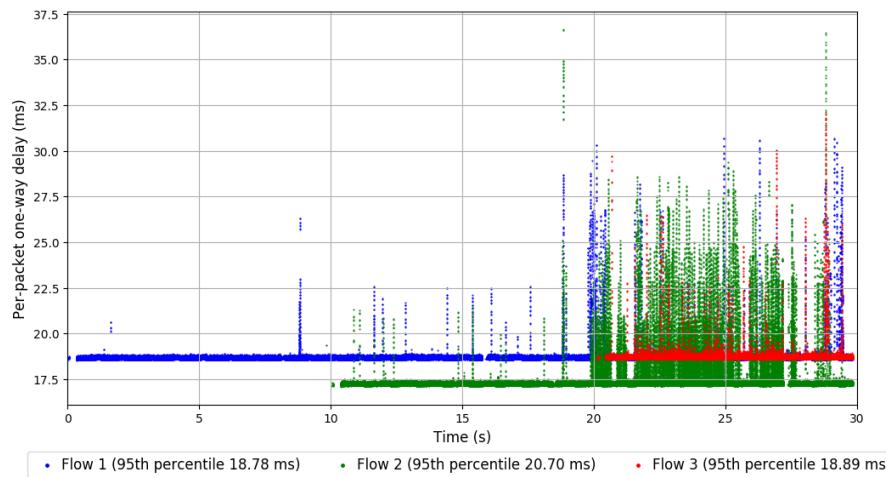
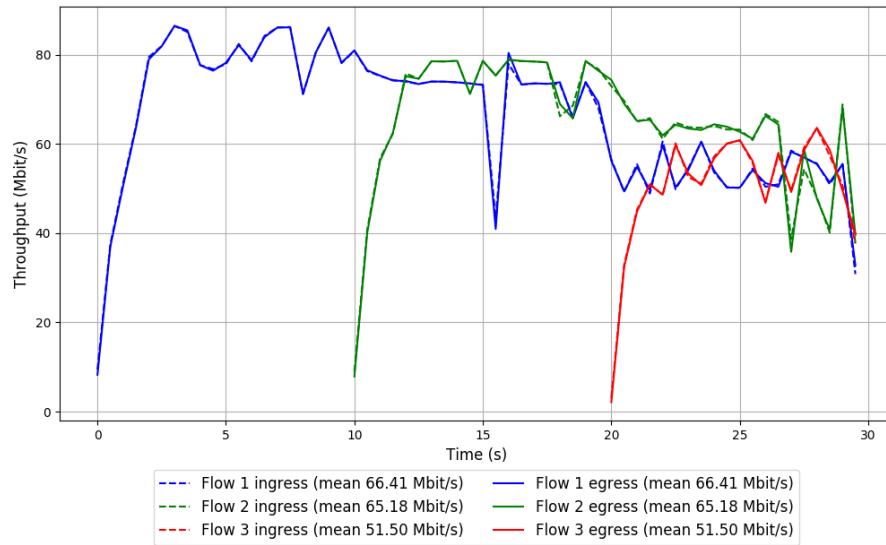


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-04-25 00:39:46
End at: 2018-04-25 00:40:16
Local clock offset: 0.039 ms
Remote clock offset: -5.609 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.48 Mbit/s
95th percentile per-packet one-way delay: 19.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.41 Mbit/s
95th percentile per-packet one-way delay: 18.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.18 Mbit/s
95th percentile per-packet one-way delay: 20.697 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

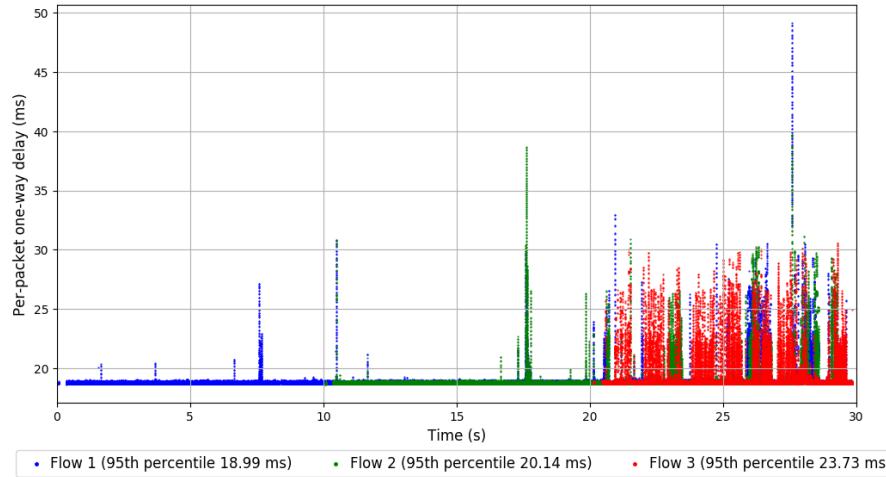
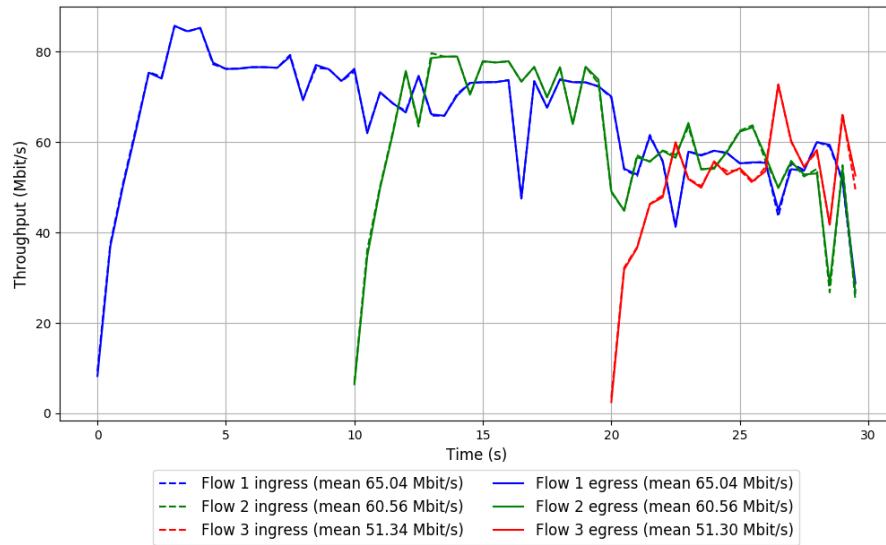


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-04-25 01:06:37
End at: 2018-04-25 01:07:07
Local clock offset: 0.146 ms
Remote clock offset: -5.409 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.01 Mbit/s
95th percentile per-packet one-way delay: 20.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 20.141 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.30 Mbit/s
95th percentile per-packet one-way delay: 23.728 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

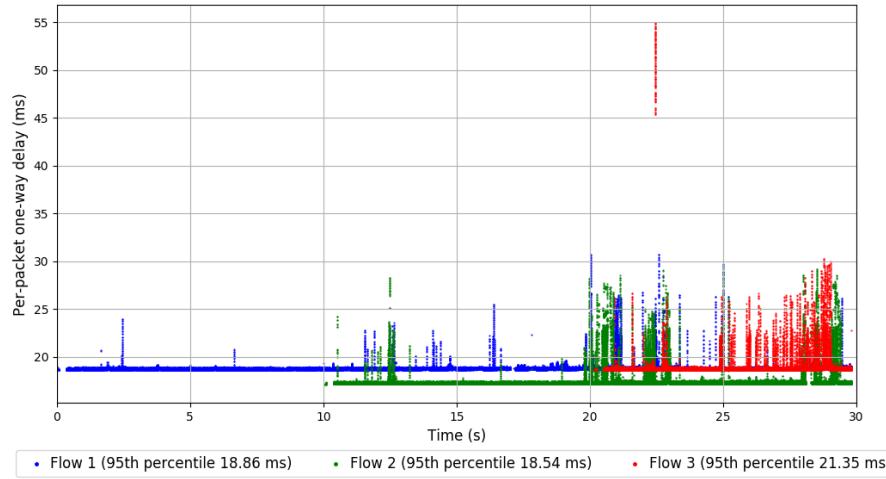
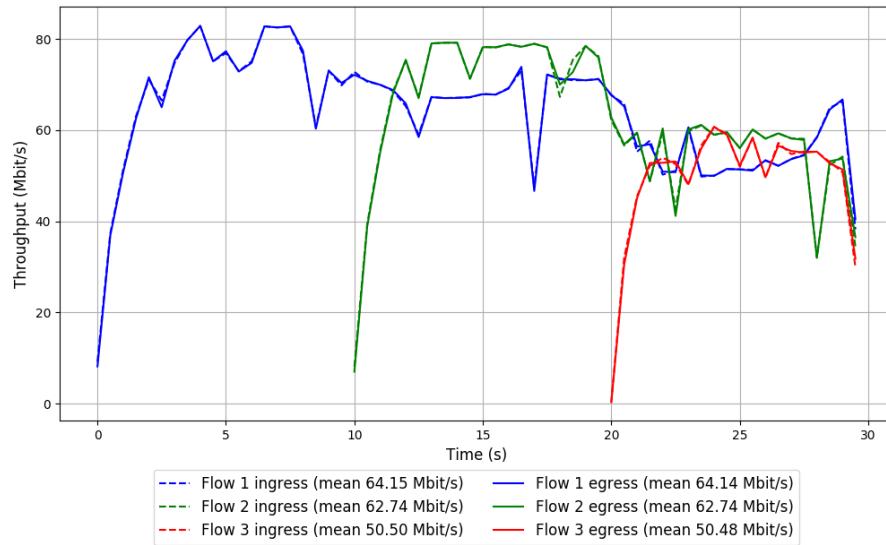


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-04-25 01:33:22
End at: 2018-04-25 01:33:52
Local clock offset: 0.433 ms
Remote clock offset: -6.415 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.14 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.14 Mbit/s
95th percentile per-packet one-way delay: 18.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 18.538 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 21.346 ms
Loss rate: 0.01%
```

Run 10: Report of QUIC Cubic — Data Link

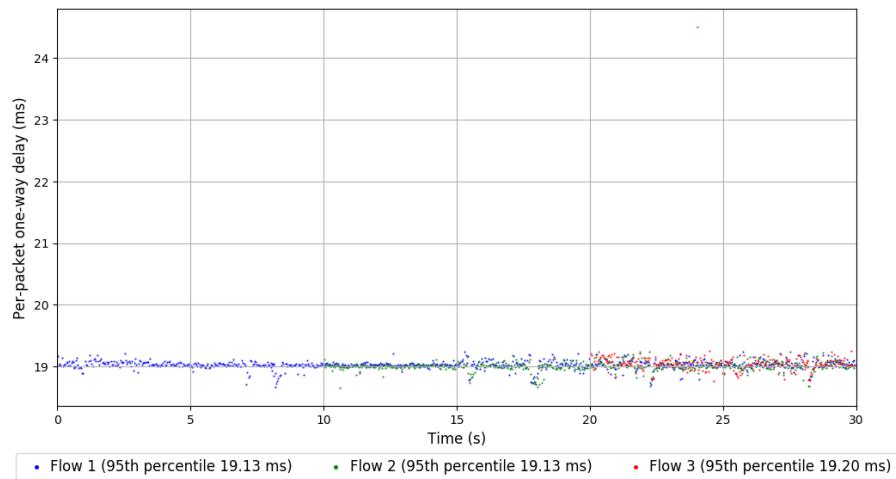
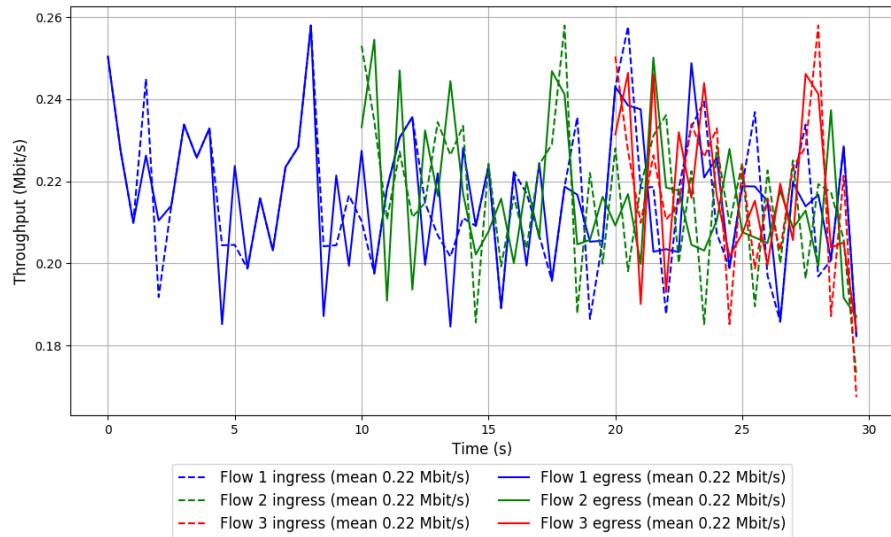


```
Run 1: Statistics of SCReAM

Start at: 2018-04-24 21:29:10
End at: 2018-04-24 21:29:40
Local clock offset: 0.239 ms
Remote clock offset: -5.326 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

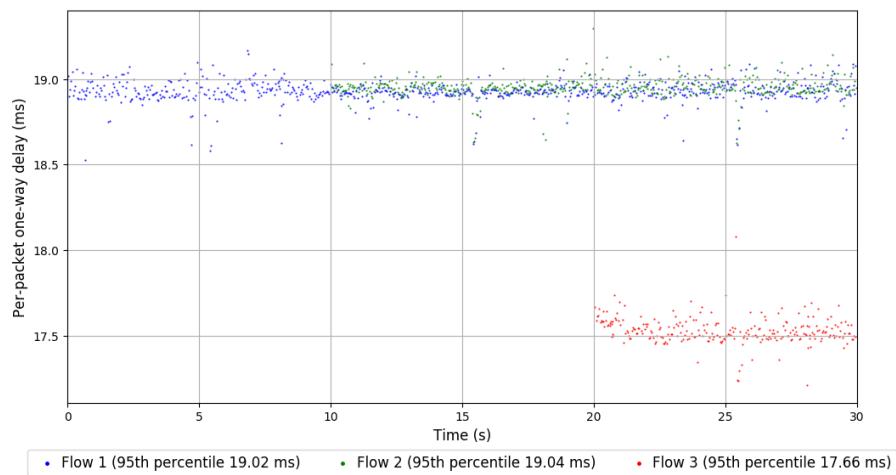
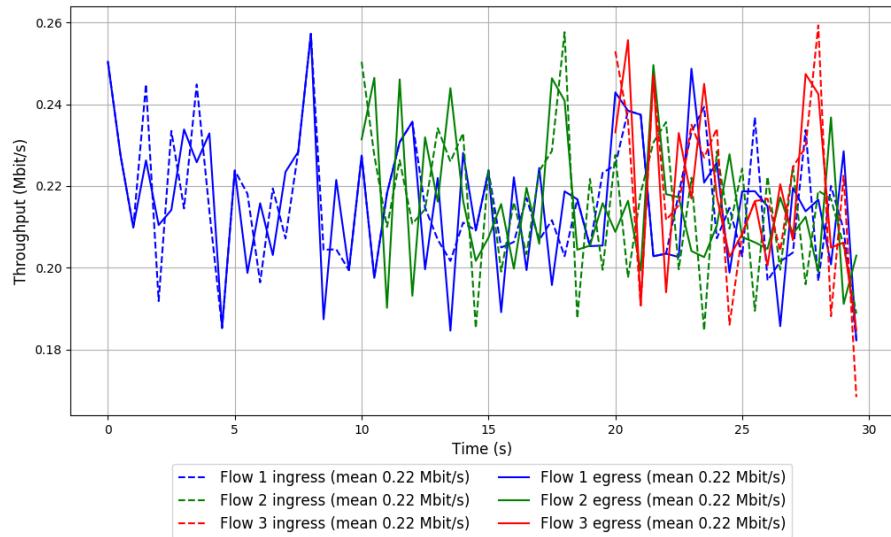


Run 2: Statistics of SCReAM

```
Start at: 2018-04-24 21:55:43
End at: 2018-04-24 21:56:13
Local clock offset: 0.235 ms
Remote clock offset: -5.477 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.656 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

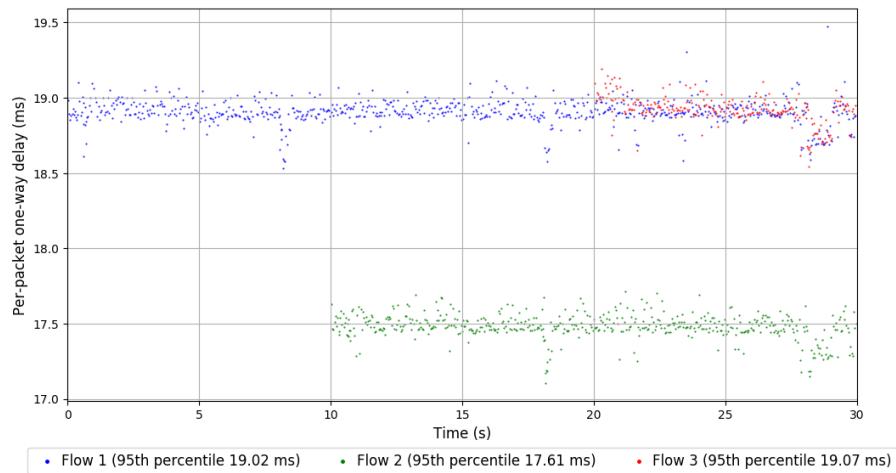
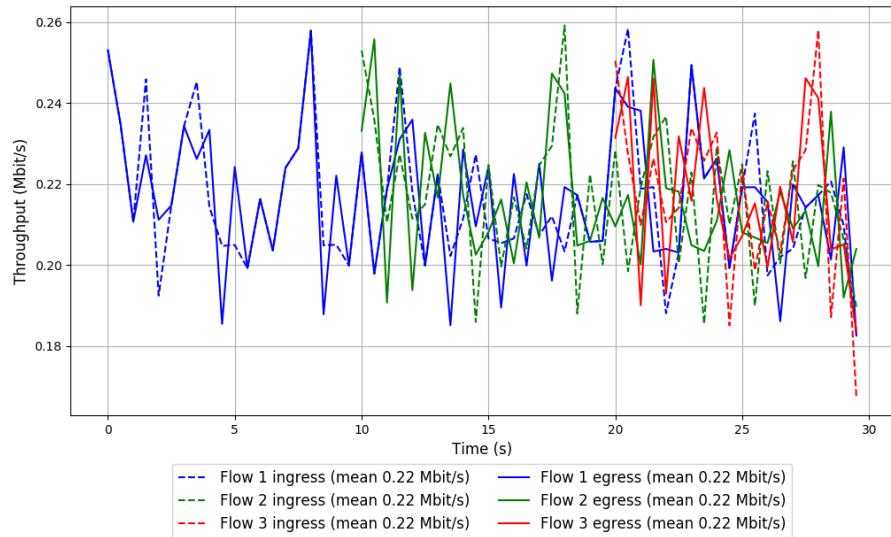


Run 3: Statistics of SCReAM

```
Start at: 2018-04-24 22:22:19
End at: 2018-04-24 22:22:49
Local clock offset: 0.041 ms
Remote clock offset: -5.879 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.611 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

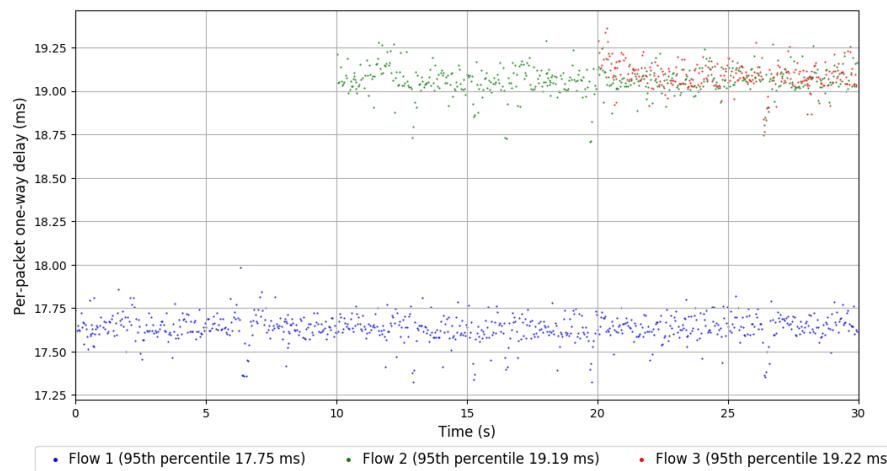
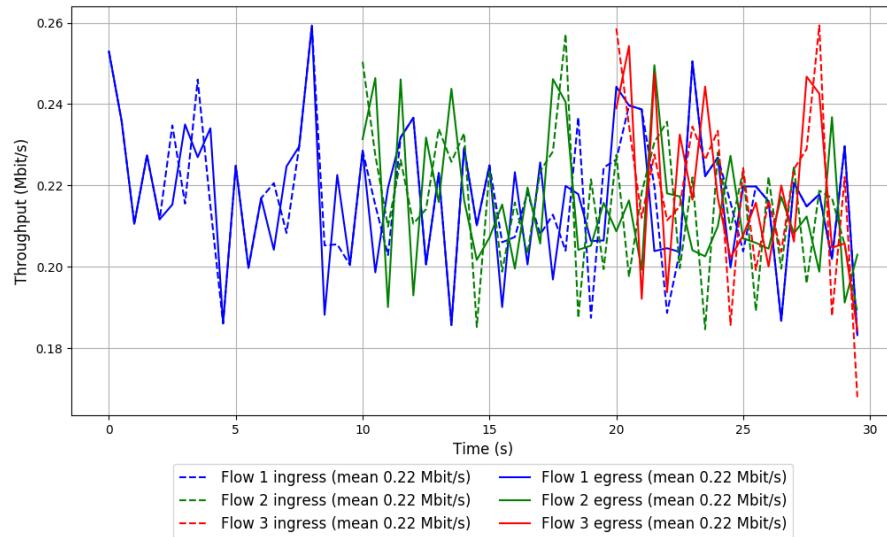


Run 4: Statistics of SCReAM

```
Start at: 2018-04-24 22:49:01
End at: 2018-04-24 22:49:31
Local clock offset: -0.067 ms
Remote clock offset: -5.57 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.749 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.220 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

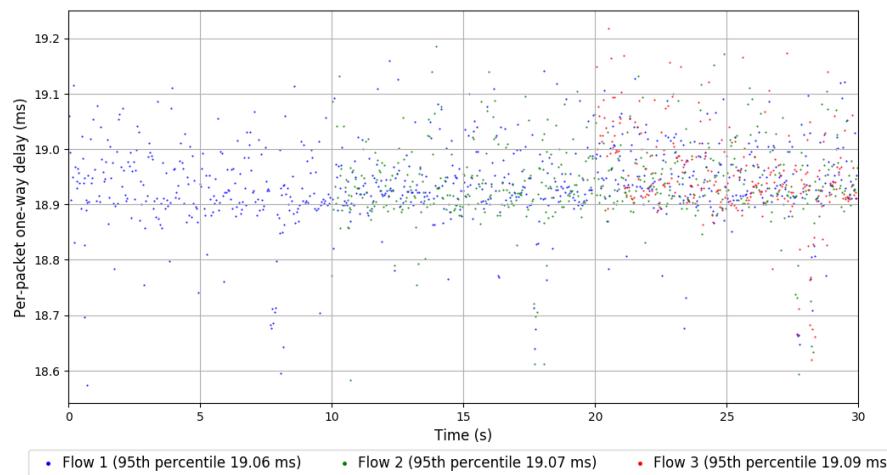
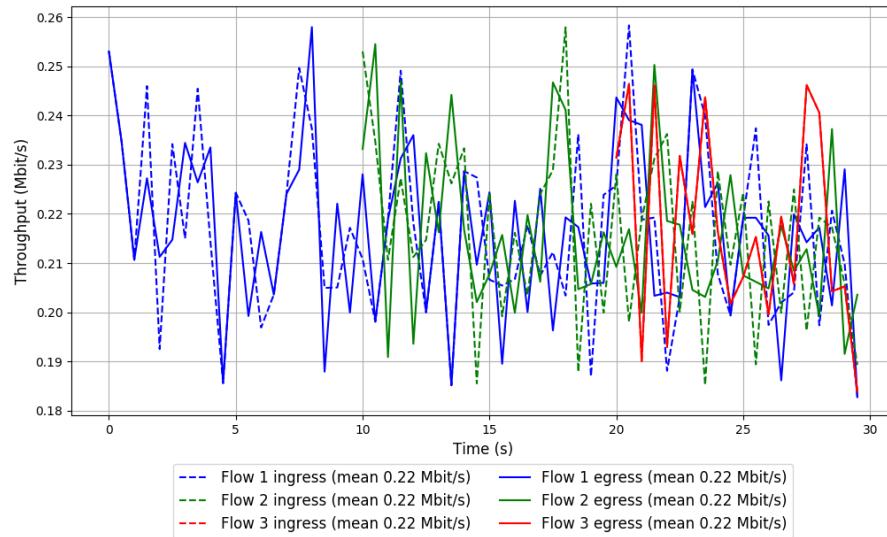


Run 5: Statistics of SCReAM

```
Start at: 2018-04-24 23:15:49
End at: 2018-04-24 23:16:19
Local clock offset: 0.158 ms
Remote clock offset: -6.368 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.056 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.094 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

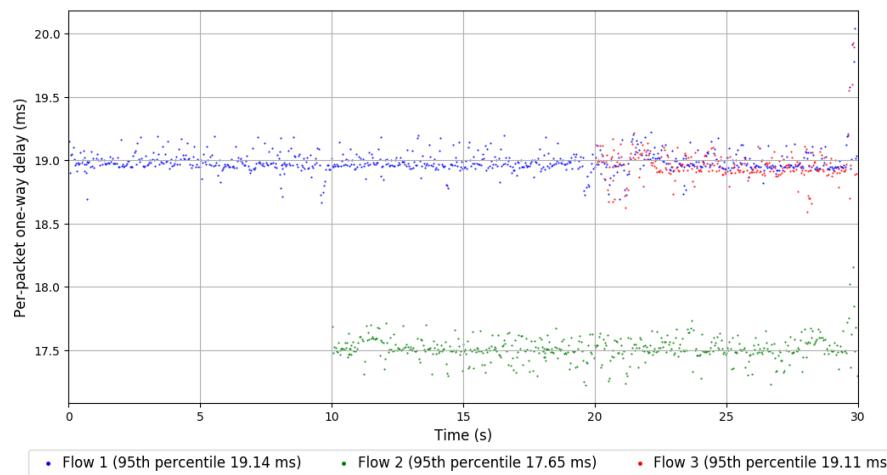
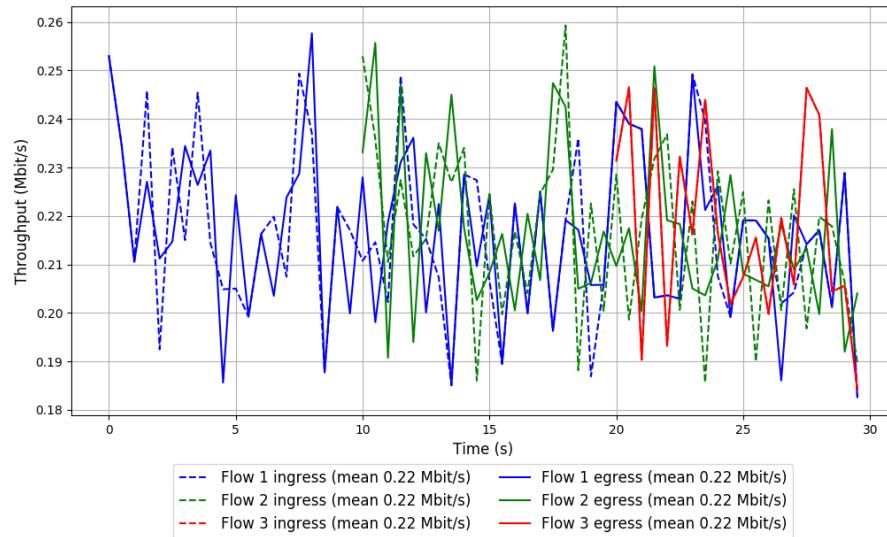


Run 6: Statistics of SCReAM

```
Start at: 2018-04-24 23:42:27
End at: 2018-04-24 23:42:57
Local clock offset: 0.507 ms
Remote clock offset: -6.086 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.135 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

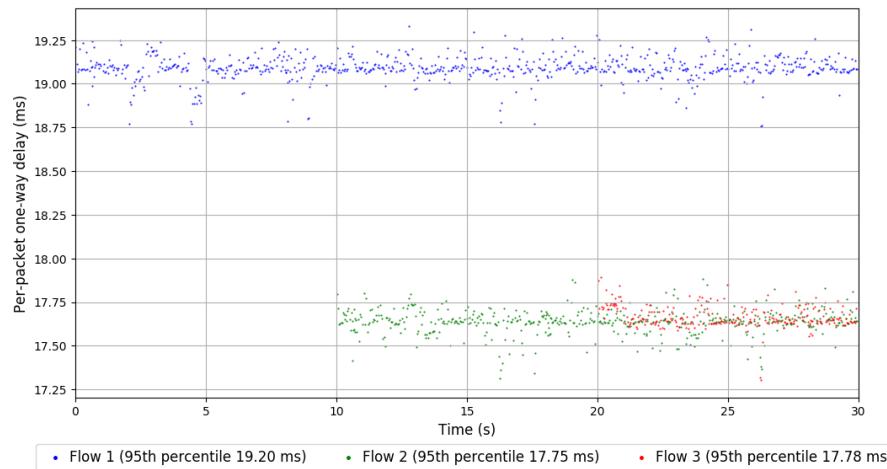
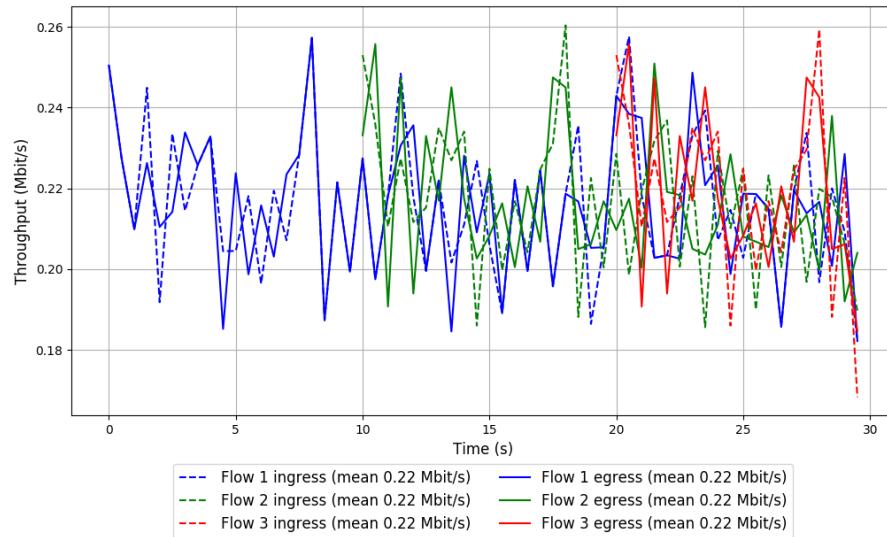


Run 7: Statistics of SCReAM

```
Start at: 2018-04-25 00:09:00
End at: 2018-04-25 00:09:30
Local clock offset: -0.01 ms
Remote clock offset: -5.442 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.779 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

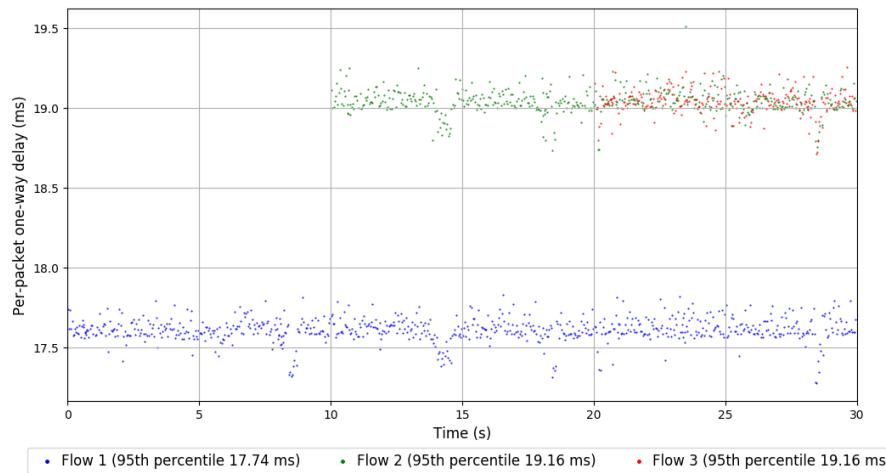
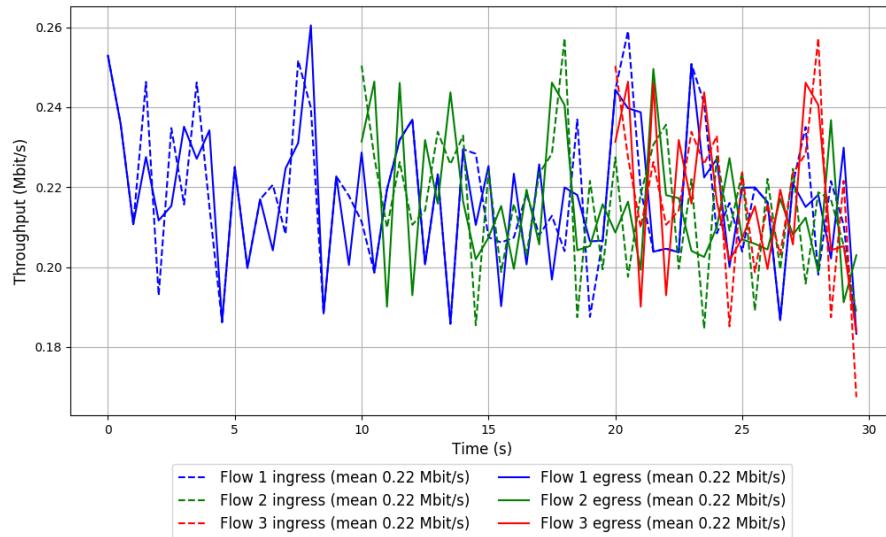


Run 8: Statistics of SCReAM

```
Start at: 2018-04-25 00:35:27
End at: 2018-04-25 00:35:57
Local clock offset: -0.057 ms
Remote clock offset: -5.58 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.736 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.163 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

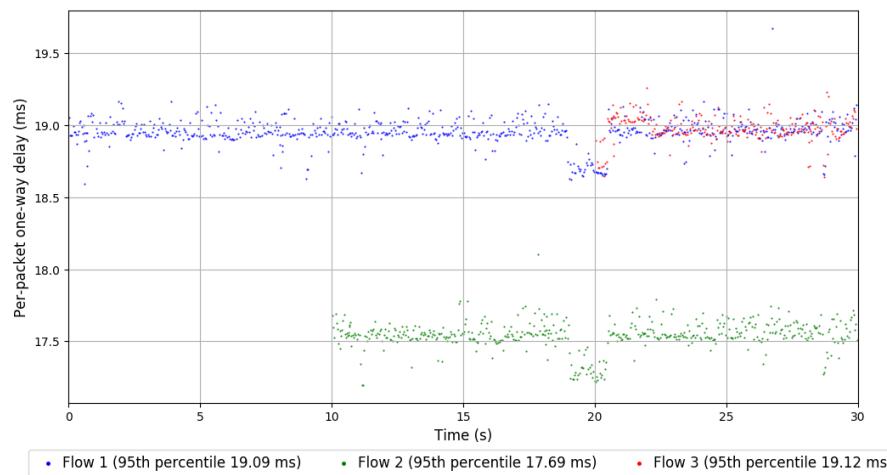
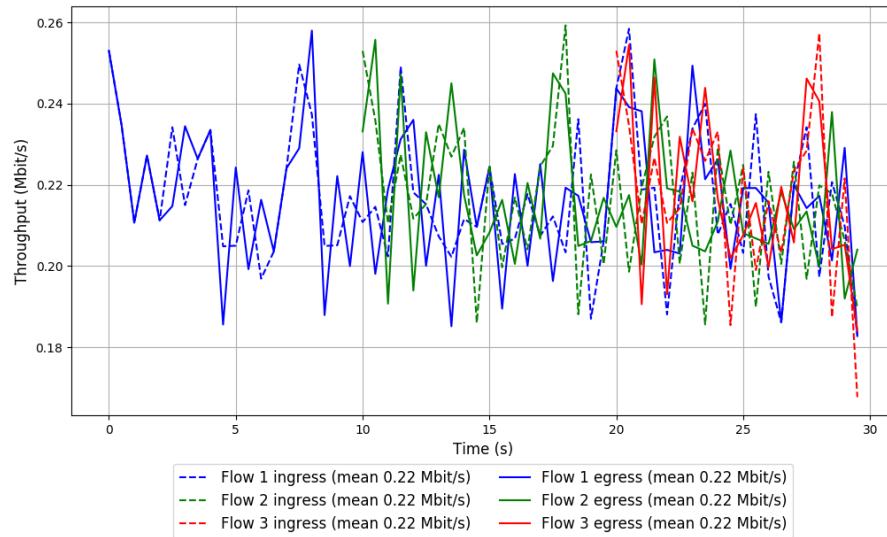


Run 9: Statistics of SCReAM

```
Start at: 2018-04-25 01:02:06
End at: 2018-04-25 01:02:36
Local clock offset: 0.117 ms
Remote clock offset: -5.405 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.688 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

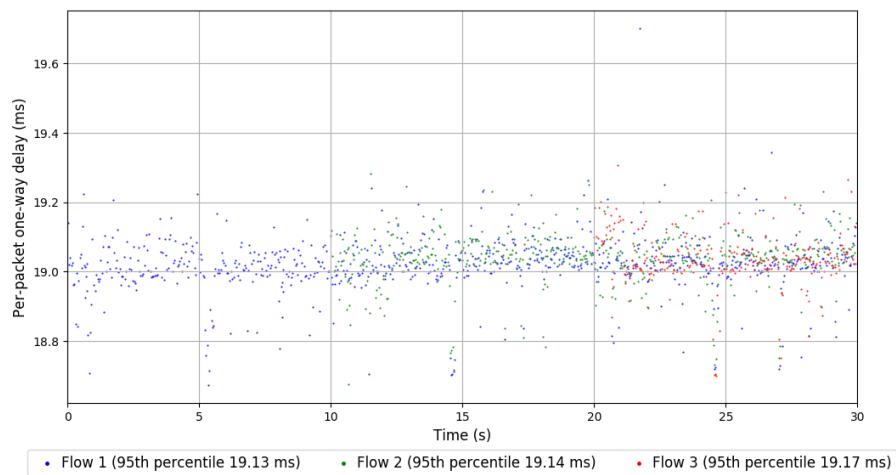
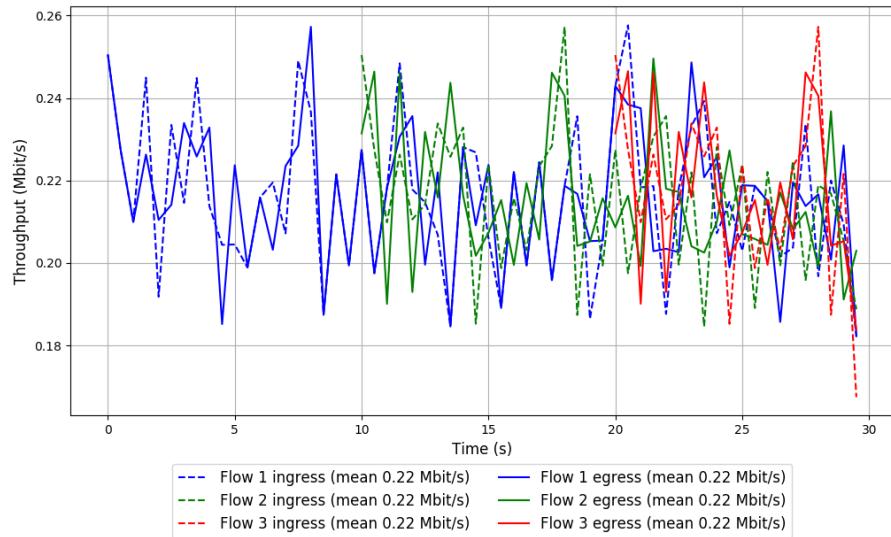


Run 10: Statistics of SCReAM

```
Start at: 2018-04-25 01:28:50
End at: 2018-04-25 01:29:20
Local clock offset: 0.423 ms
Remote clock offset: -6.155 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

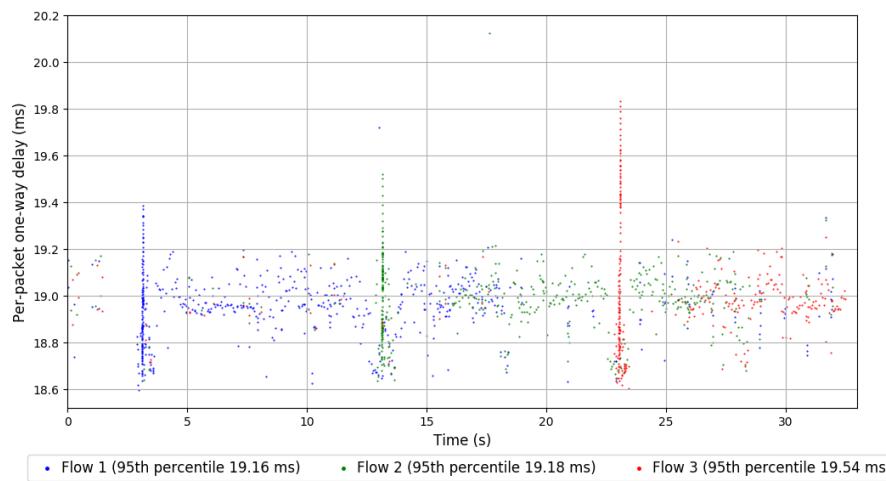
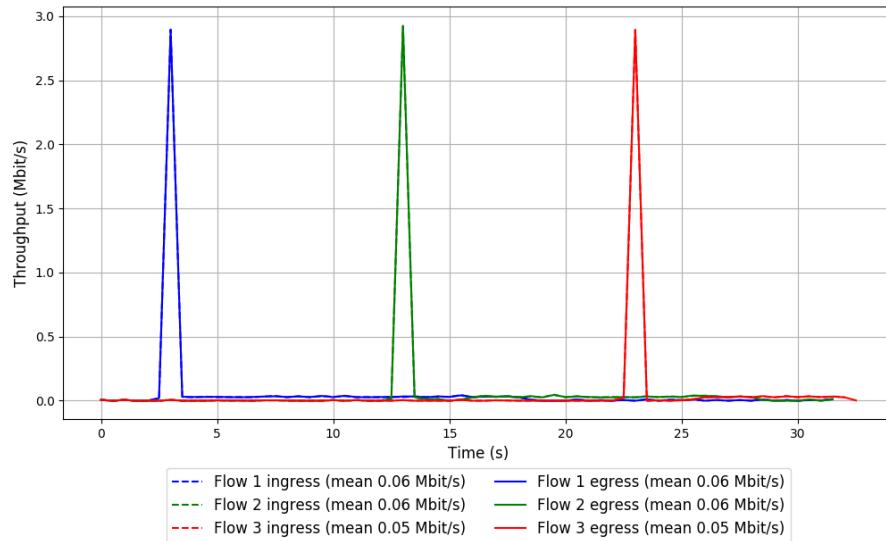


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-24 21:41:53
End at: 2018-04-24 21:42:23
Local clock offset: 0.215 ms
Remote clock offset: -5.357 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.538 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

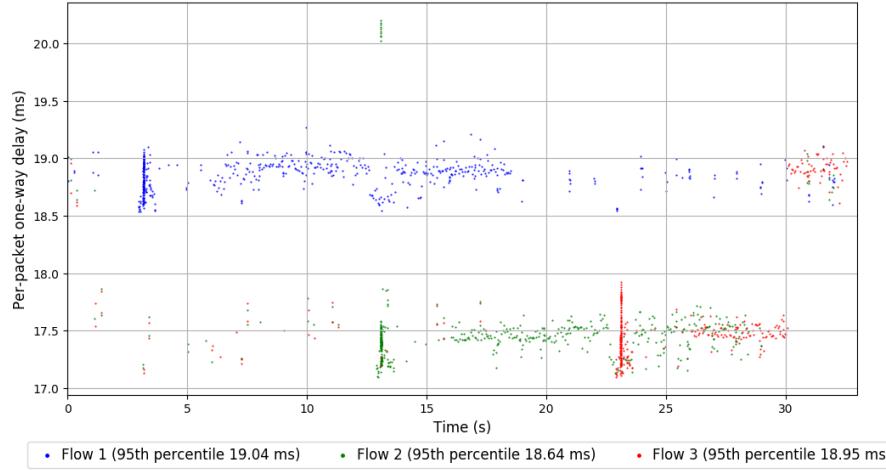
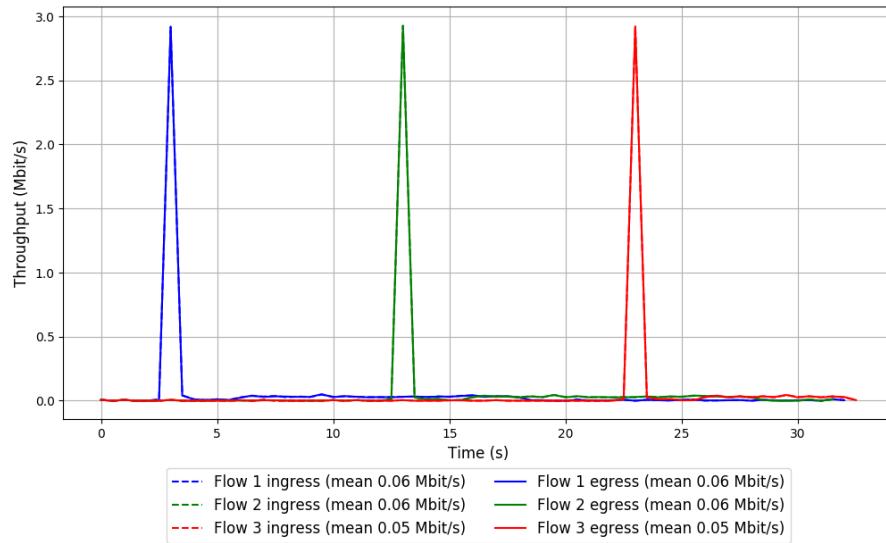


Run 2: Statistics of WebRTC media

```
Start at: 2018-04-24 22:08:26
End at: 2018-04-24 22:08:56
Local clock offset: 0.186 ms
Remote clock offset: -5.708 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 18.642 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.954 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

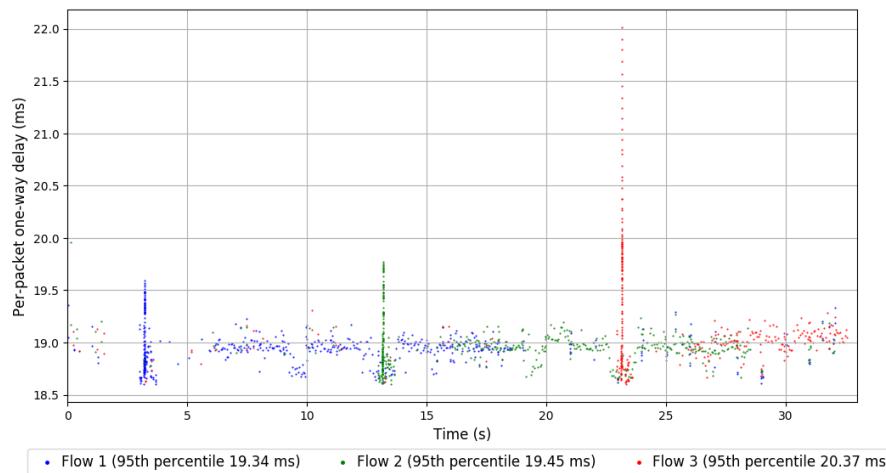
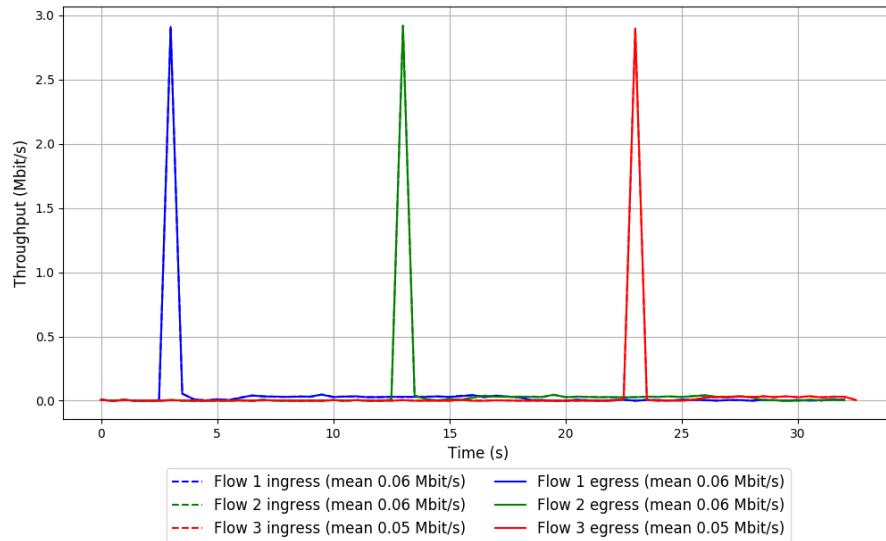


Run 3: Statistics of WebRTC media

```
Start at: 2018-04-24 22:35:11
End at: 2018-04-24 22:35:41
Local clock offset: -0.082 ms
Remote clock offset: -5.696 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.370 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

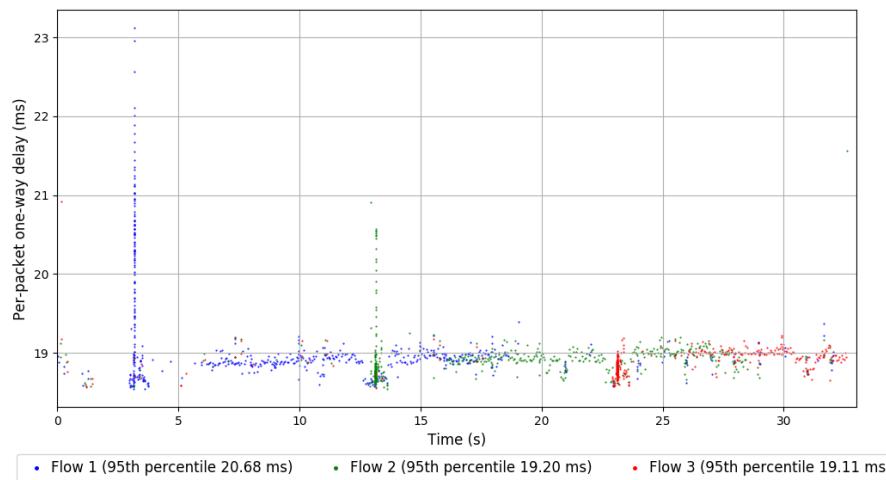
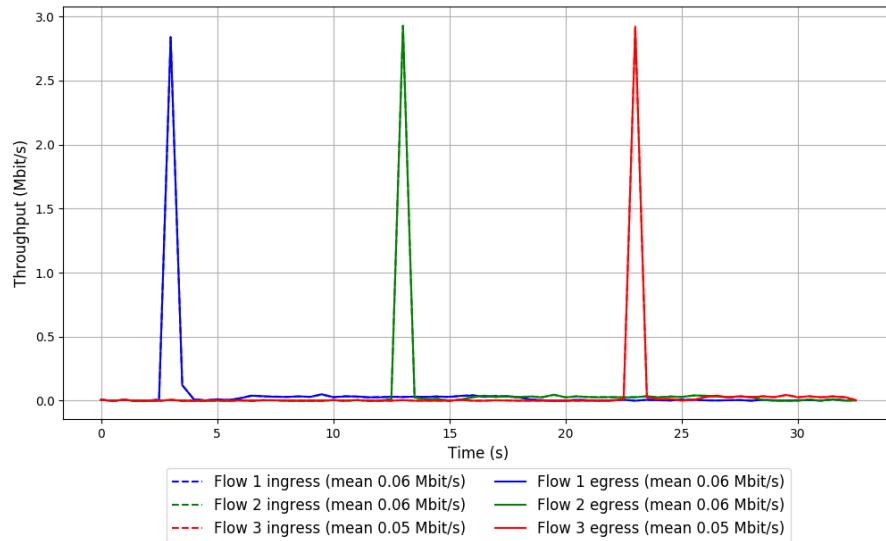


Run 4: Statistics of WebRTC media

```
Start at: 2018-04-24 23:01:49
End at: 2018-04-24 23:02:19
Local clock offset: 0.03 ms
Remote clock offset: -5.633 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 20.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.680 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

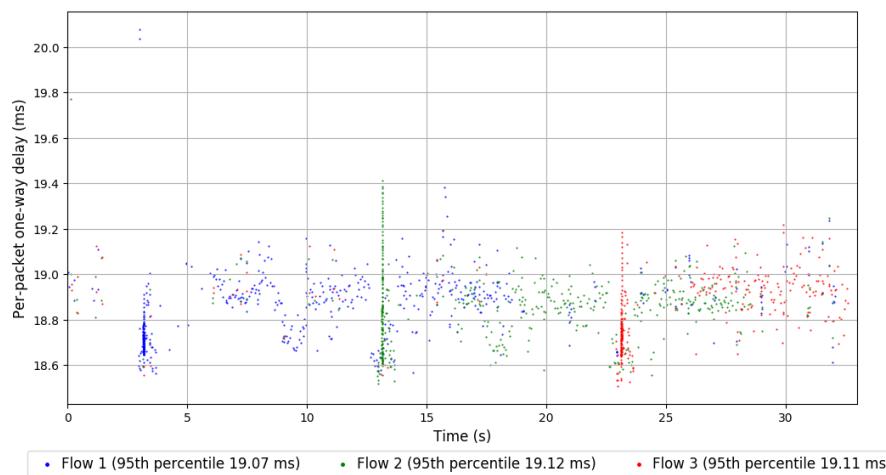
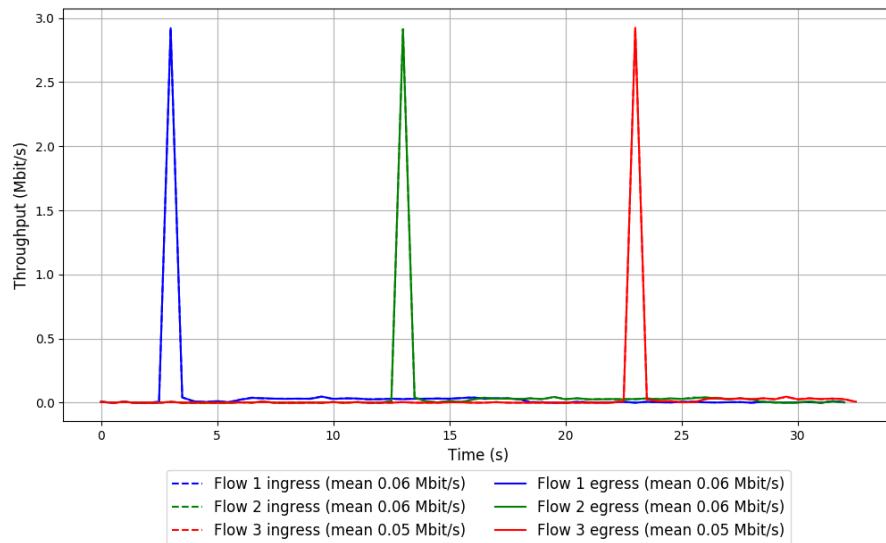


Run 5: Statistics of WebRTC media

```
Start at: 2018-04-24 23:28:35
End at: 2018-04-24 23:29:05
Local clock offset: 0.333 ms
Remote clock offset: -6.65 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

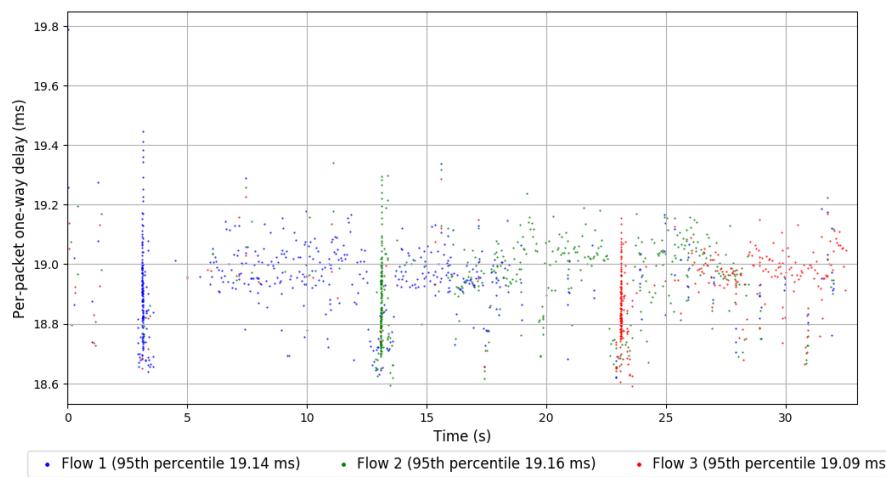
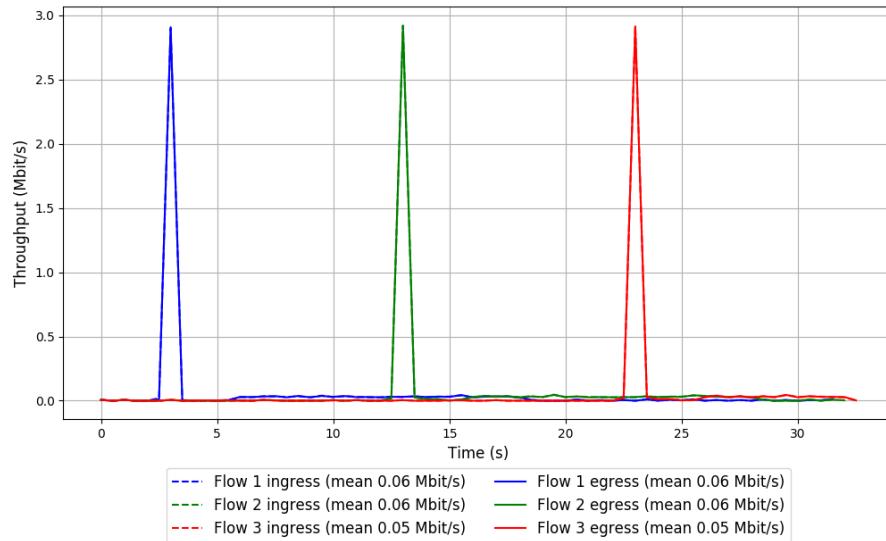


Run 6: Statistics of WebRTC media

```
Start at: 2018-04-24 23:55:08
End at: 2018-04-24 23:55:38
Local clock offset: 0.291 ms
Remote clock offset: -5.649 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

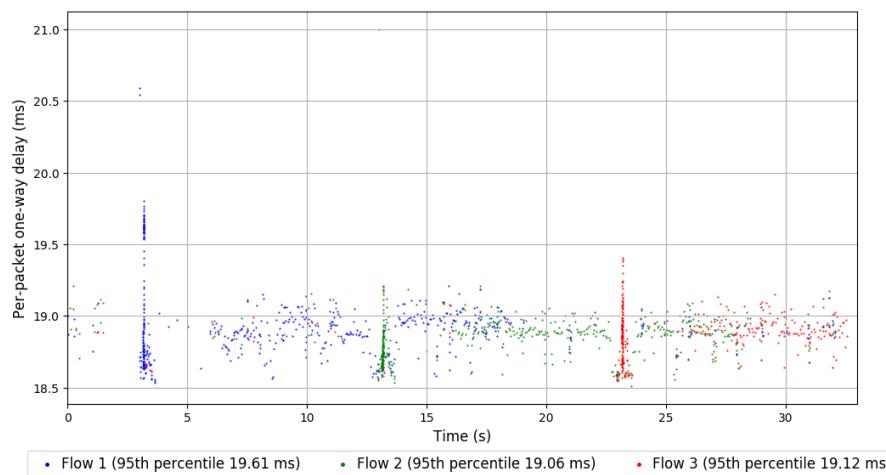
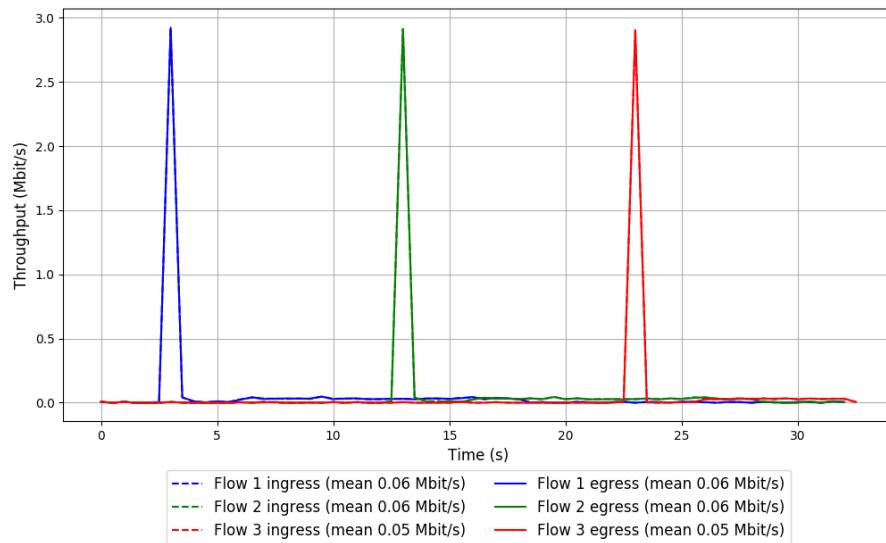


Run 7: Statistics of WebRTC media

```
Start at: 2018-04-25 00:21:33
End at: 2018-04-25 00:22:03
Local clock offset: -0.122 ms
Remote clock offset: -5.58 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

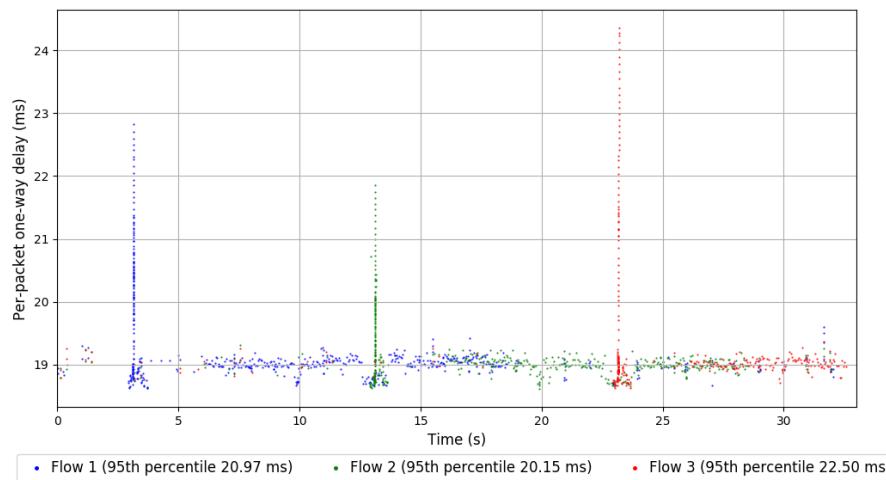
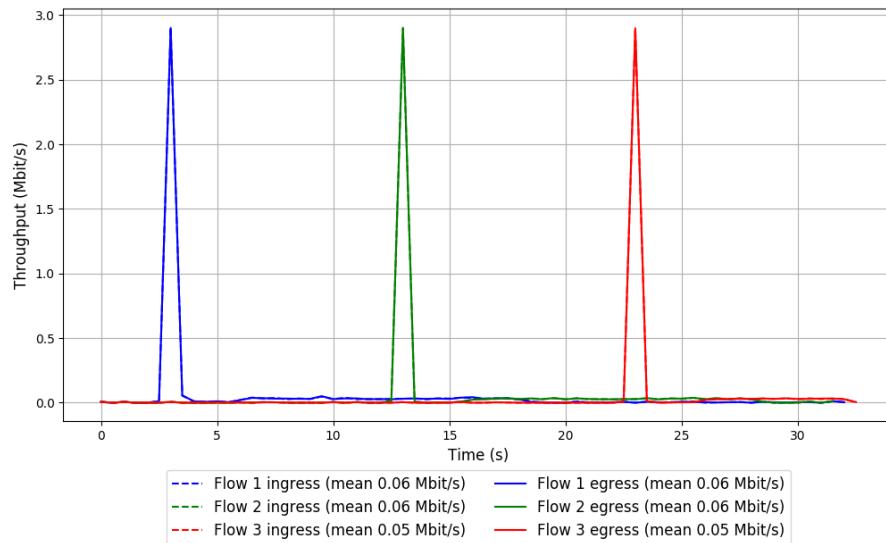


Run 8: Statistics of WebRTC media

```
Start at: 2018-04-25 00:48:08
End at: 2018-04-25 00:48:38
Local clock offset: 0.019 ms
Remote clock offset: -5.402 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 21.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.966 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 20.152 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 22.499 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

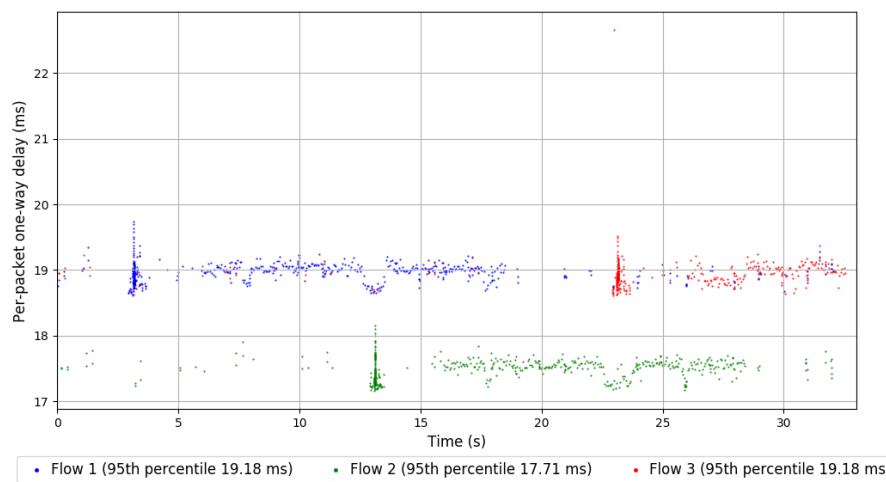
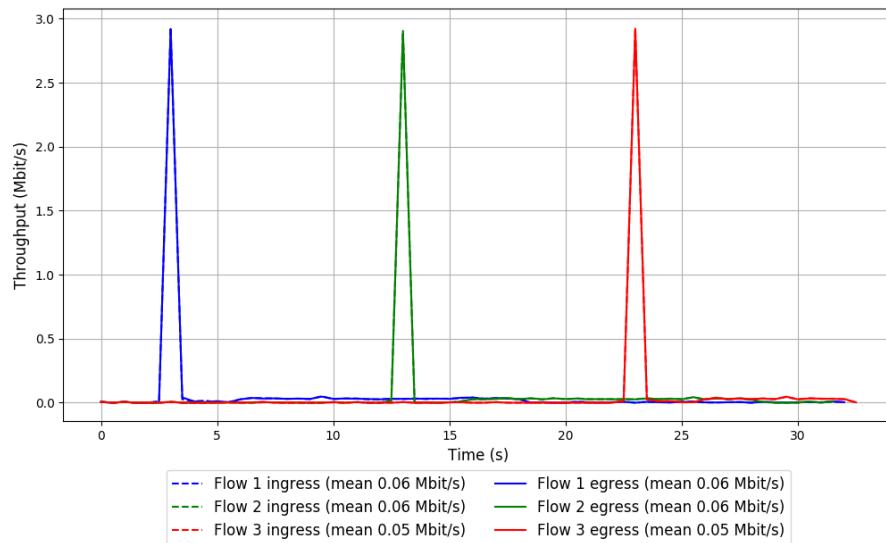


Run 9: Statistics of WebRTC media

```
Start at: 2018-04-25 01:14:50
End at: 2018-04-25 01:15:20
Local clock offset: 0.343 ms
Remote clock offset: -5.28 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 17.707 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

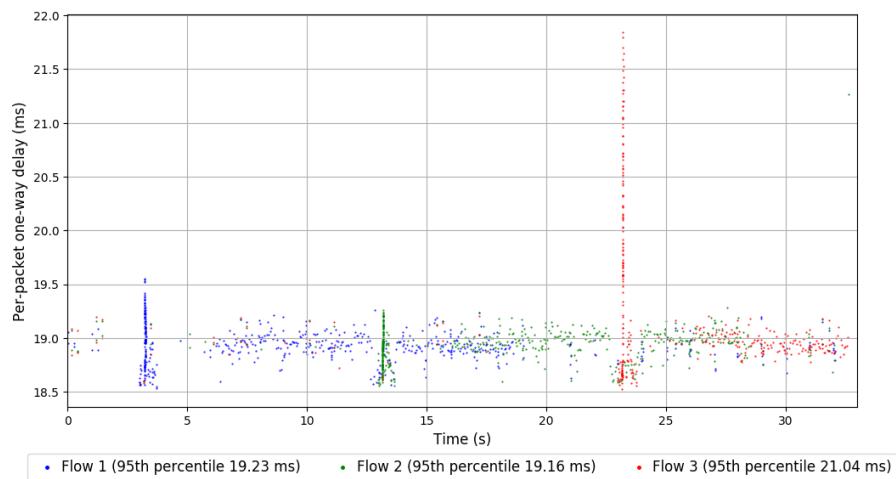
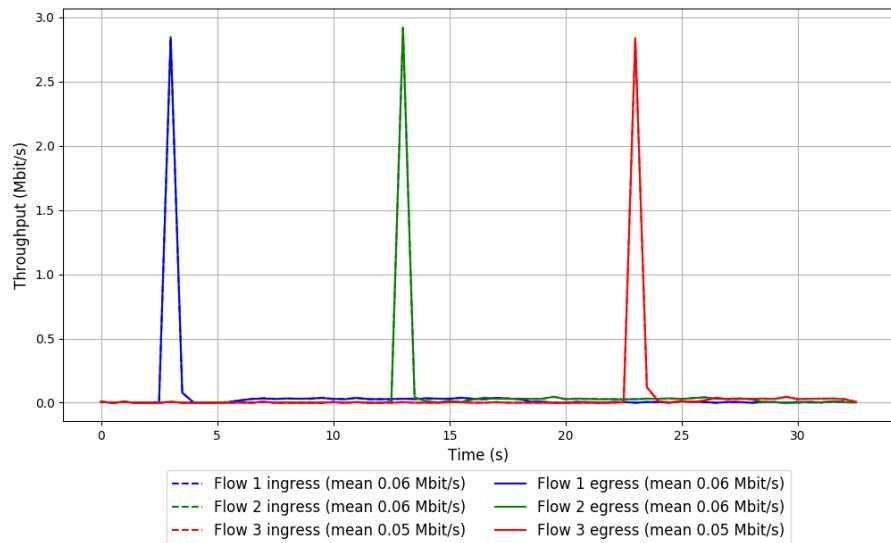


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-04-25 01:41:44
End at: 2018-04-25 01:42:14
Local clock offset: 0.387 ms
Remote clock offset: -6.639 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 19.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 21.044 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

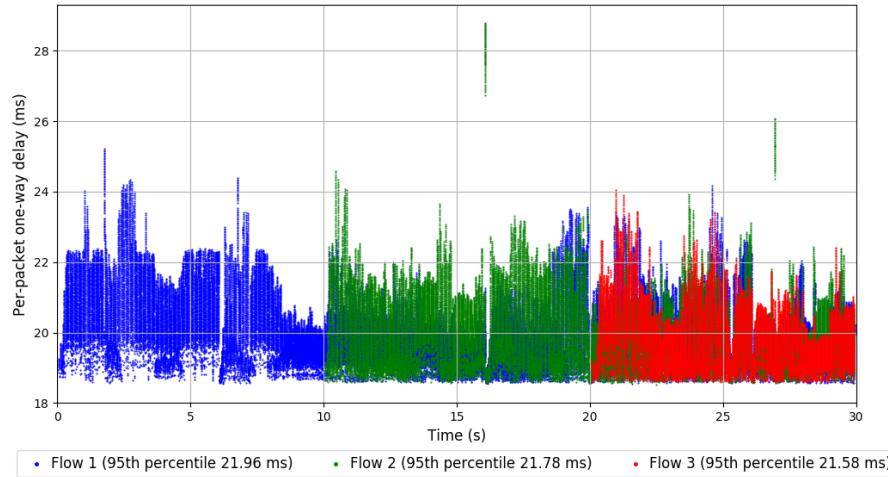
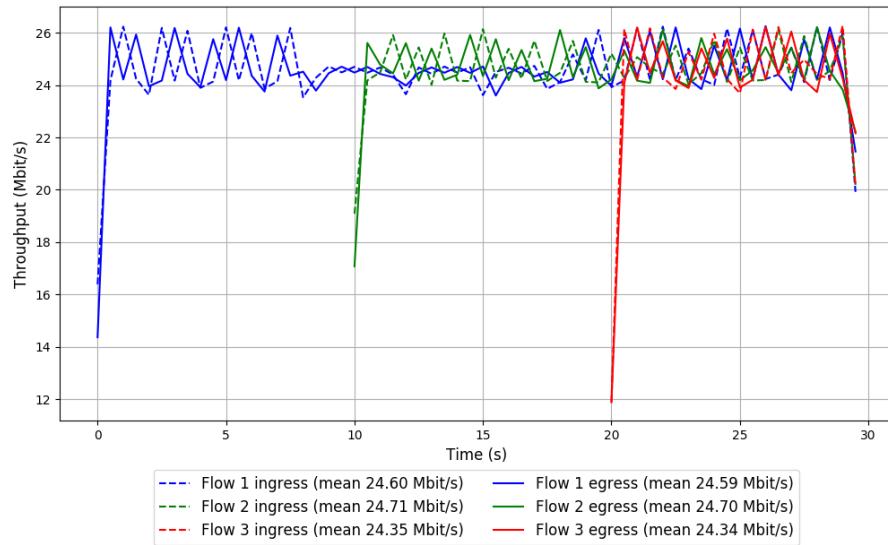


Run 1: Statistics of Sprout

```
Start at: 2018-04-24 21:44:52
End at: 2018-04-24 21:45:22
Local clock offset: 0.301 ms
Remote clock offset: -5.388 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.05 Mbit/s
95th percentile per-packet one-way delay: 21.860 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 21.961 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 21.783 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 21.576 ms
Loss rate: 0.01%
```

Run 1: Report of Sprout — Data Link

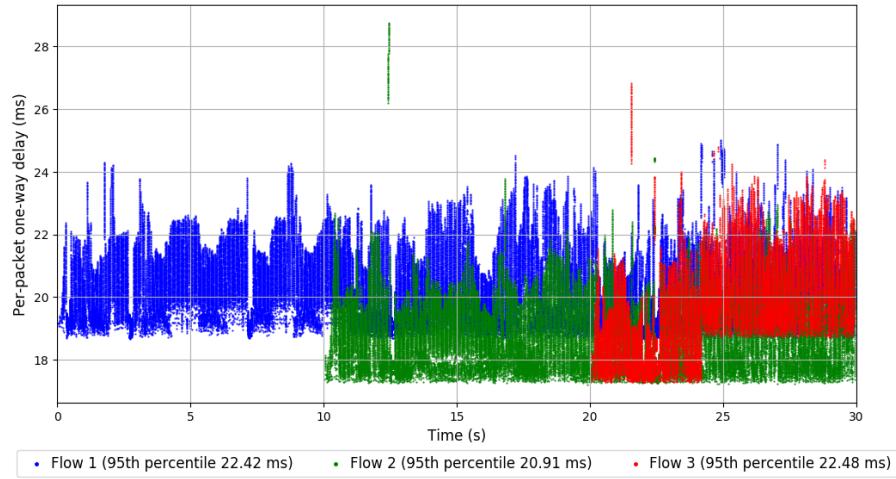
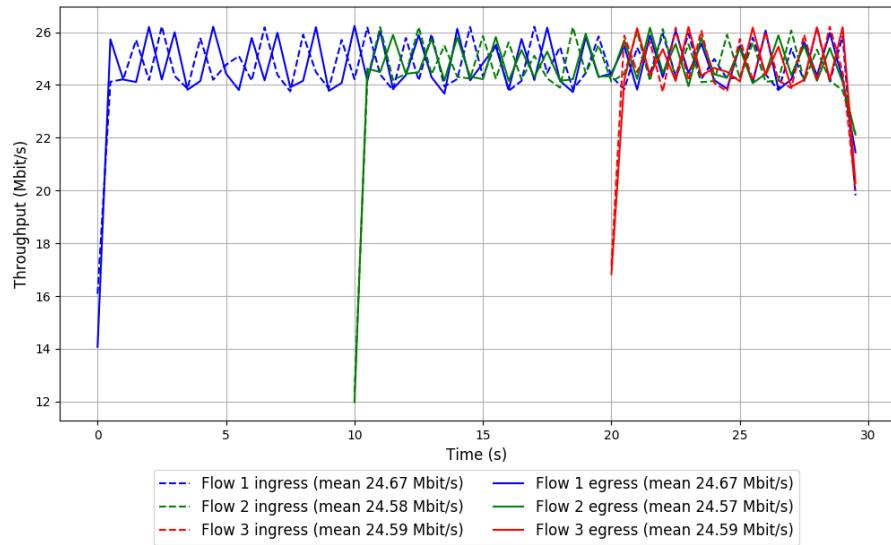


Run 2: Statistics of Sprout

```
Start at: 2018-04-24 22:11:25
End at: 2018-04-24 22:11:55
Local clock offset: 0.044 ms
Remote clock offset: -5.756 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 22.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 22.420 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 20.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 22.478 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

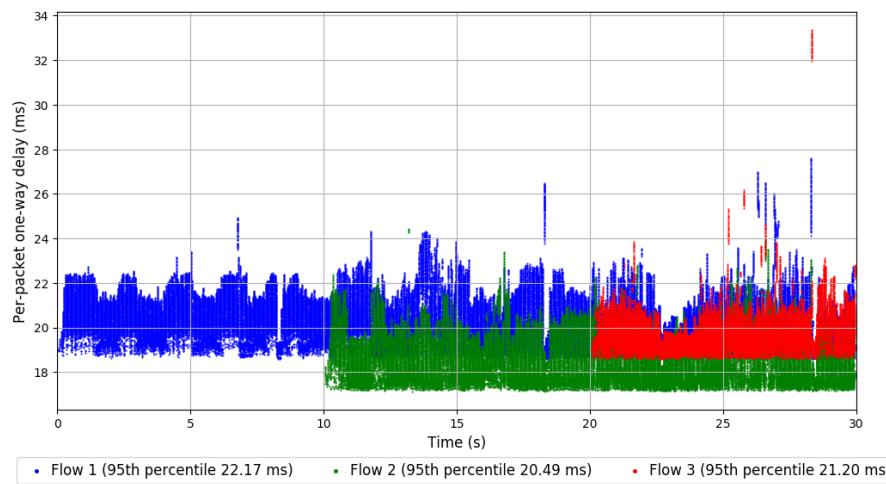
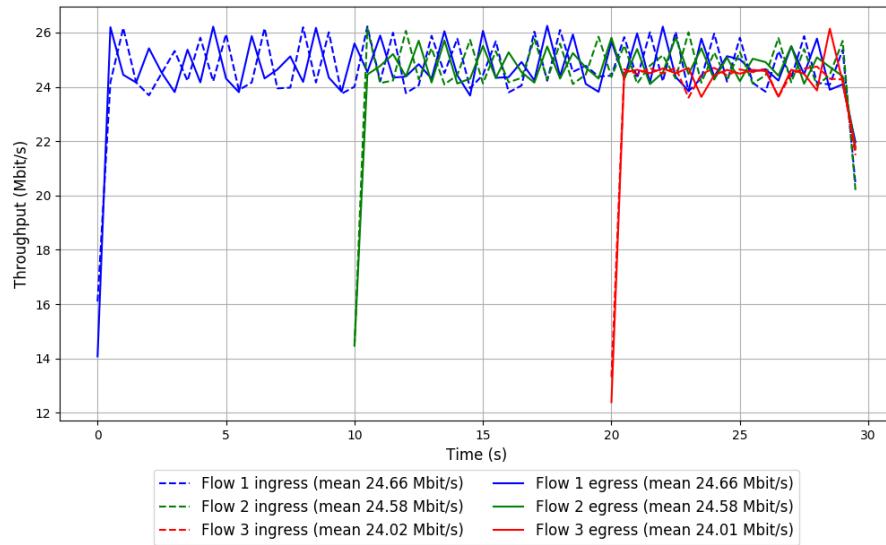


Run 3: Statistics of Sprout

```
Start at: 2018-04-24 22:38:09
End at: 2018-04-24 22:38:39
Local clock offset: 0.037 ms
Remote clock offset: -5.639 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 21.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.170 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 20.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 21.202 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

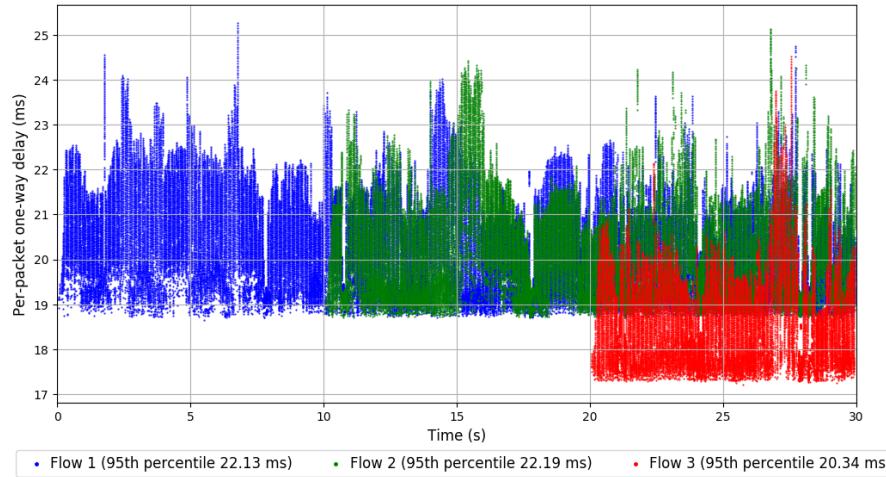
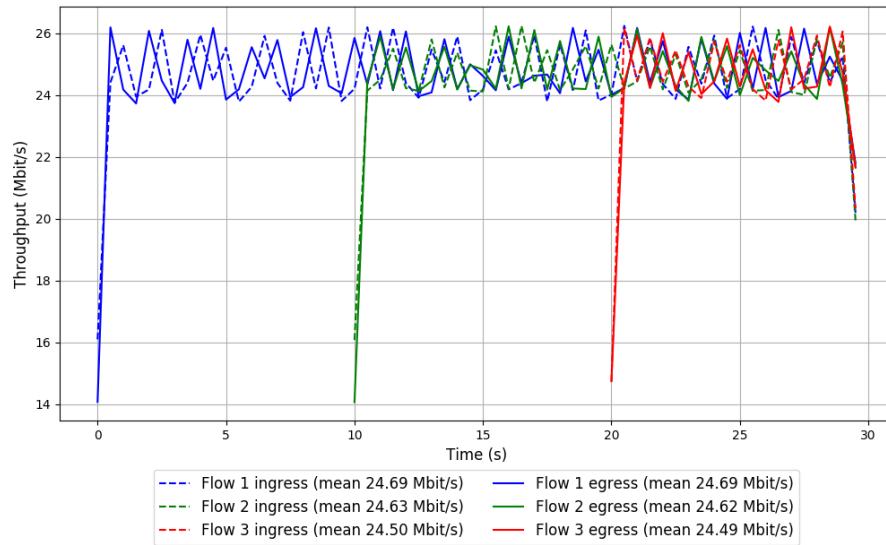


Run 4: Statistics of Sprout

```
Start at: 2018-04-24 23:04:49
End at: 2018-04-24 23:05:19
Local clock offset: 0.047 ms
Remote clock offset: -5.804 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 22.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 22.186 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 20.344 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

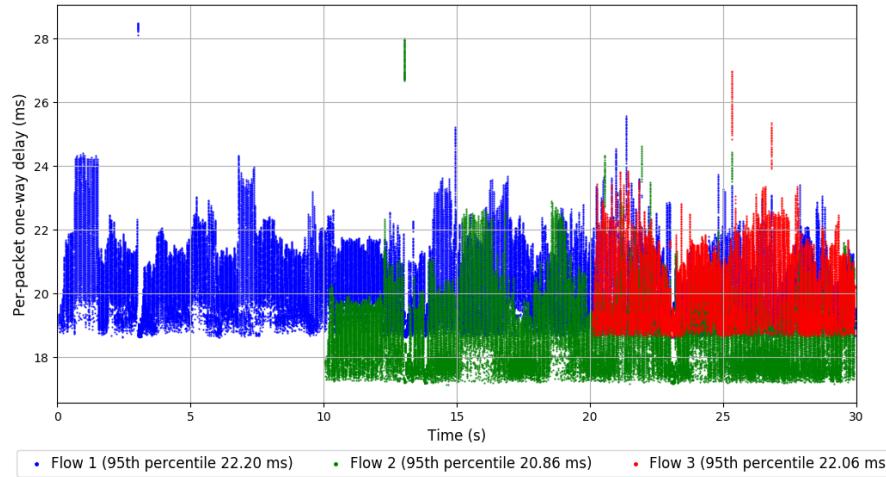
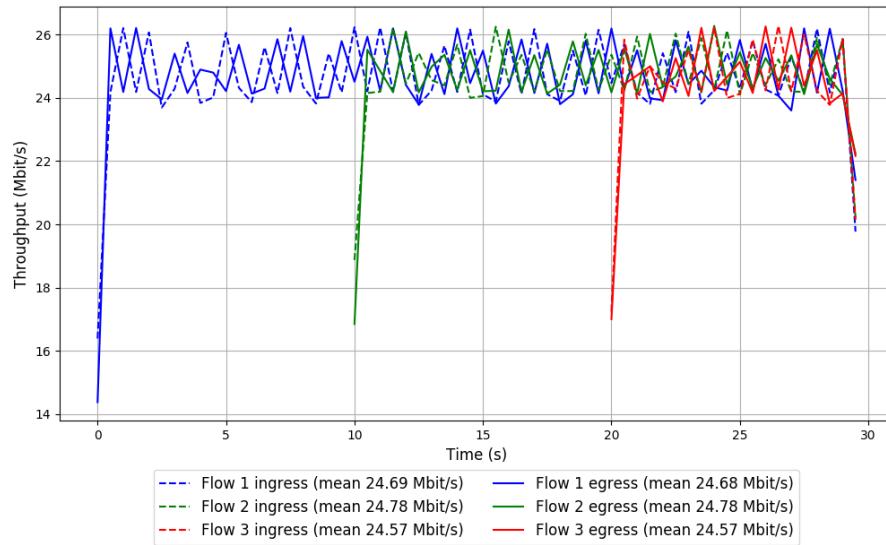


Run 5: Statistics of Sprout

```
Start at: 2018-04-24 23:31:33
End at: 2018-04-24 23:32:03
Local clock offset: 0.368 ms
Remote clock offset: -6.709 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 21.950 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.199 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 20.861 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 22.059 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

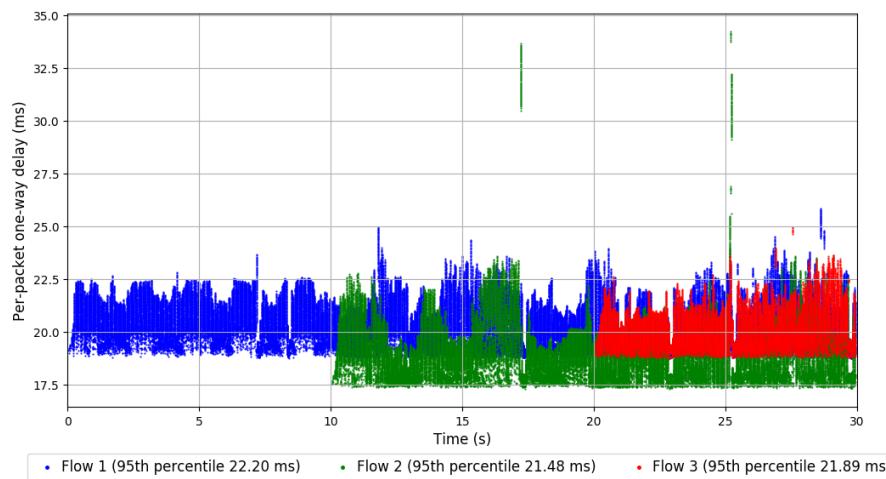
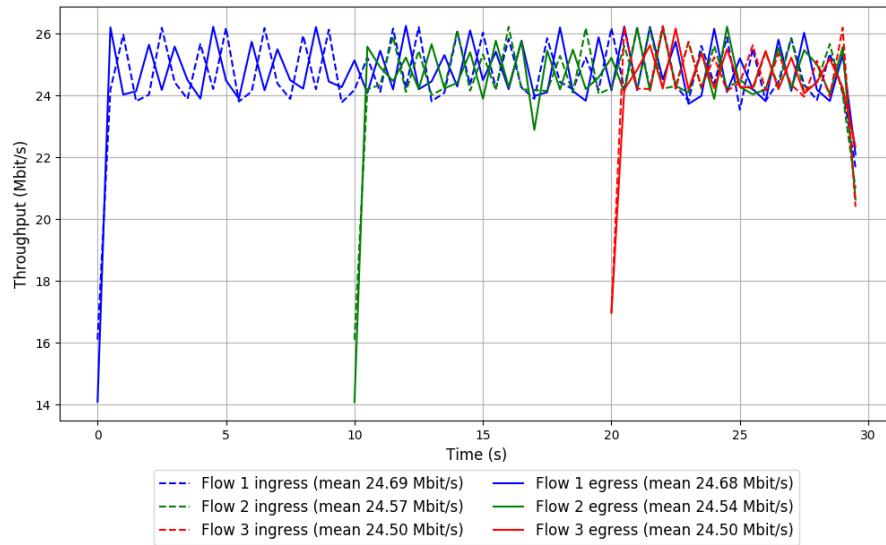


Run 6: Statistics of Sprout

```
Start at: 2018-04-24 23:58:09
End at: 2018-04-24 23:58:39
Local clock offset: 0.183 ms
Remote clock offset: -5.55 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 22.039 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.199 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.475 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 21.888 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

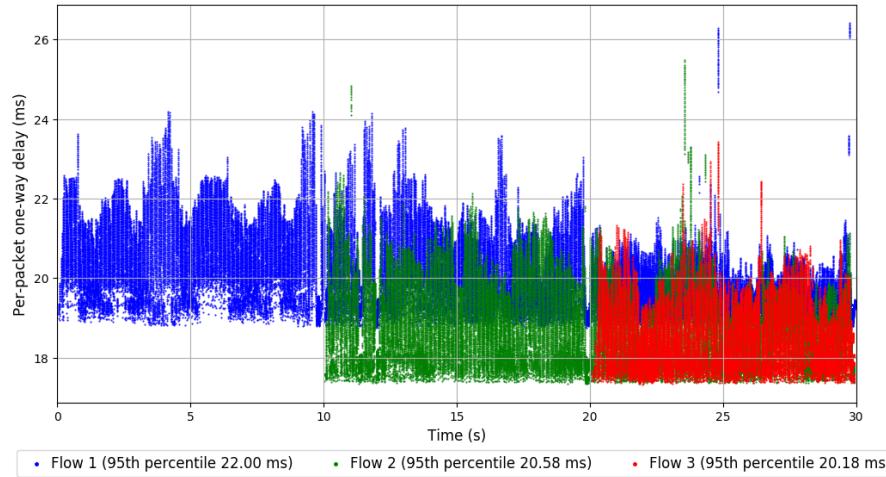
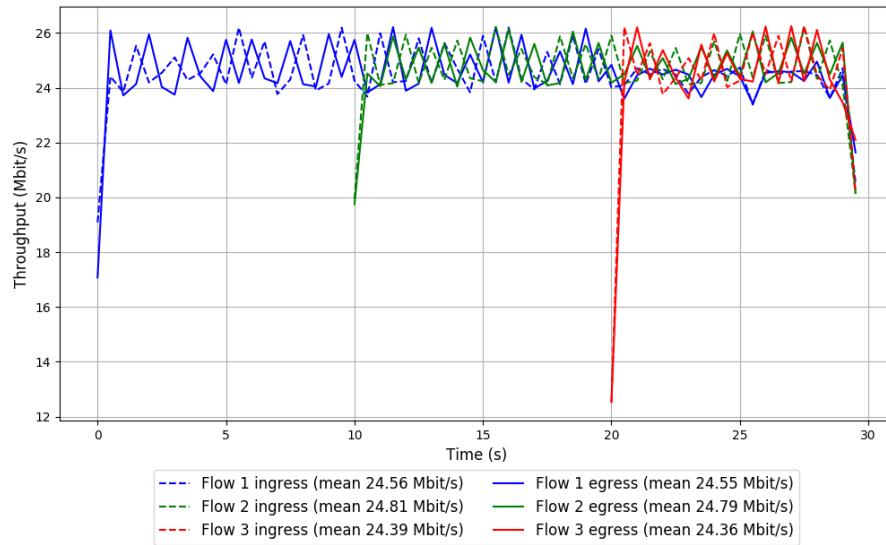


Run 7: Statistics of Sprout

```
Start at: 2018-04-25 00:24:36
End at: 2018-04-25 00:25:06
Local clock offset: -0.243 ms
Remote clock offset: -5.569 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.07 Mbit/s
95th percentile per-packet one-way delay: 21.583 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 22.000 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 20.583 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 0.10%
```

Run 7: Report of Sprout — Data Link

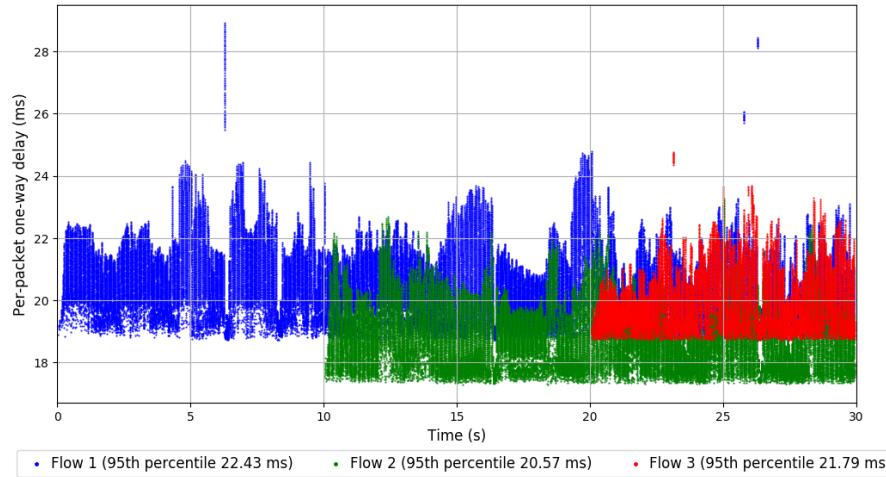
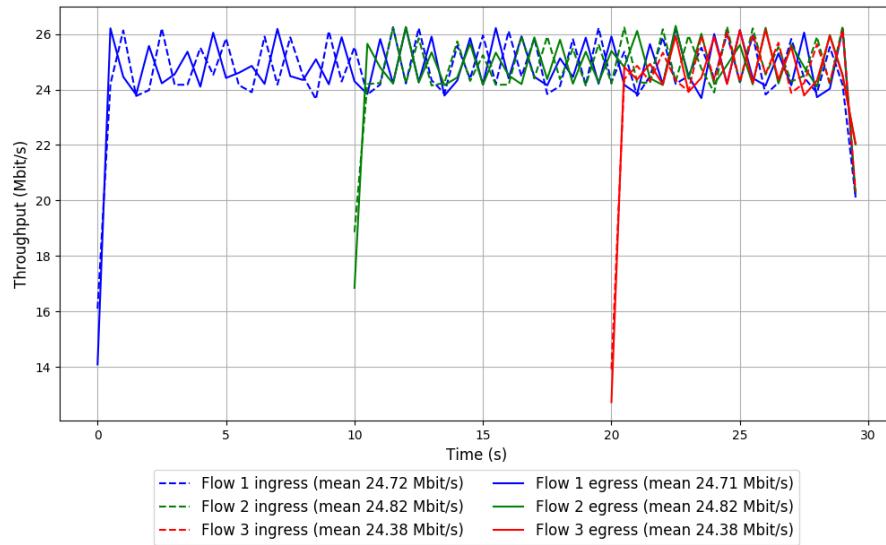


Run 8: Statistics of Sprout

```
Start at: 2018-04-25 00:51:09
End at: 2018-04-25 00:51:39
Local clock offset: -0.065 ms
Remote clock offset: -5.461 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 22.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 20.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 21.790 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

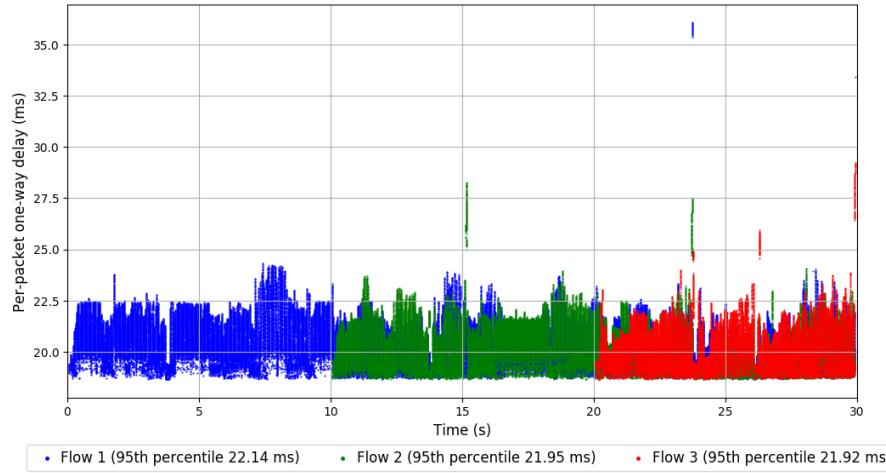
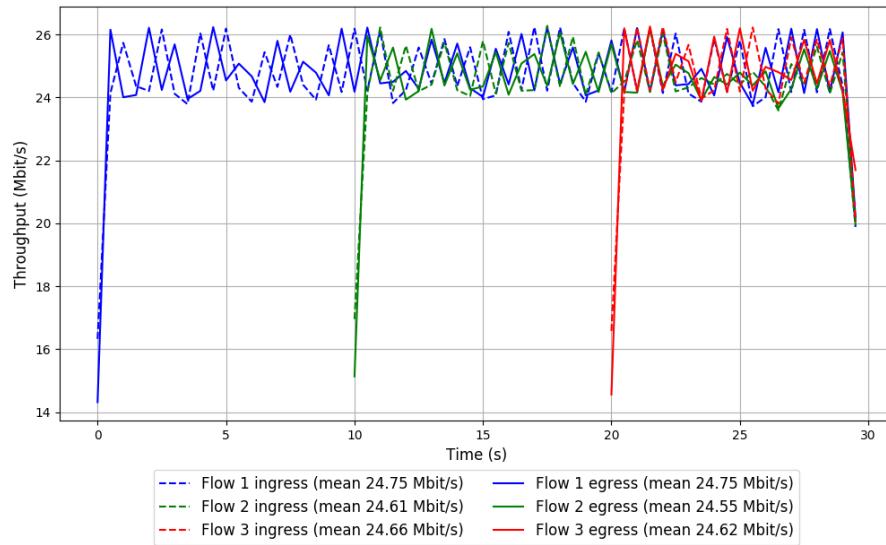


Run 9: Statistics of Sprout

```
Start at: 2018-04-25 01:17:51
End at: 2018-04-25 01:18:21
Local clock offset: 0.386 ms
Remote clock offset: -5.3 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 22.049 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 22.135 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 21.946 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 21.918 ms
Loss rate: 0.06%
```

Run 9: Report of Sprout — Data Link

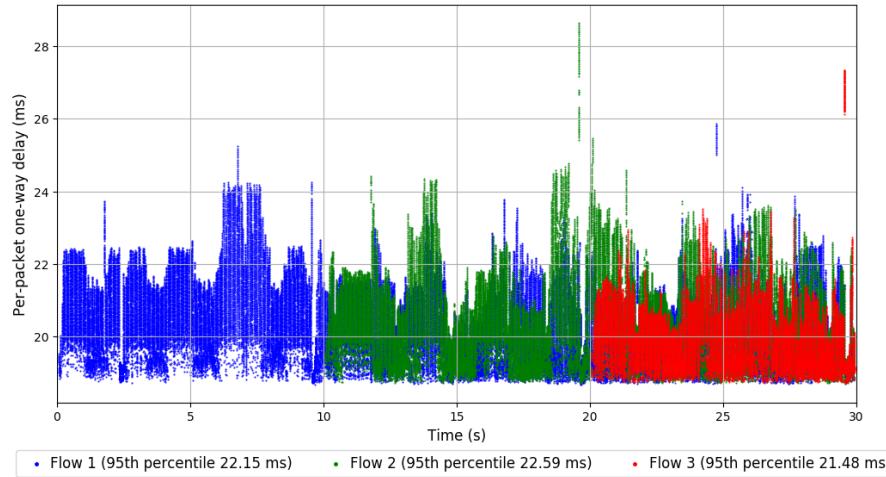
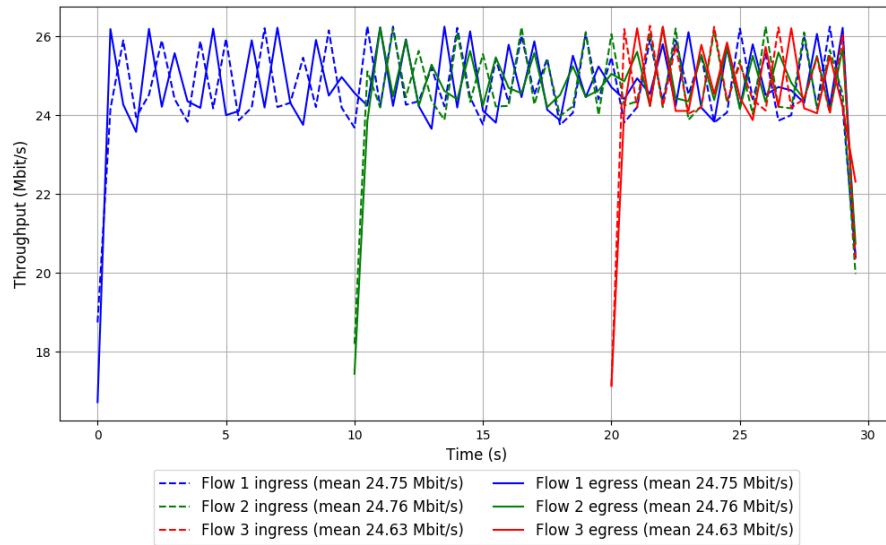


Run 10: Statistics of Sprout

```
Start at: 2018-04-25 01:44:45
End at: 2018-04-25 01:45:15
Local clock offset: 0.375 ms
Remote clock offset: -6.631 ms

# Below is generated by plot.py at 2018-04-25 05:04:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 22.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 22.151 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 21.476 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

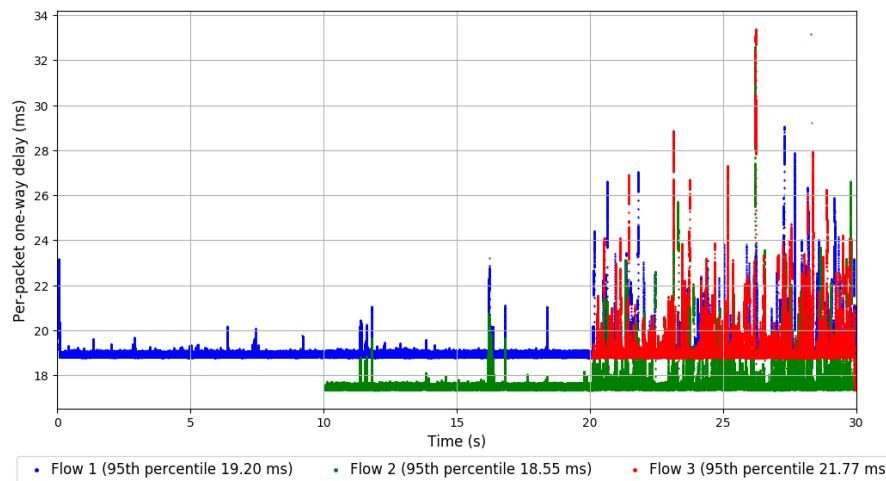
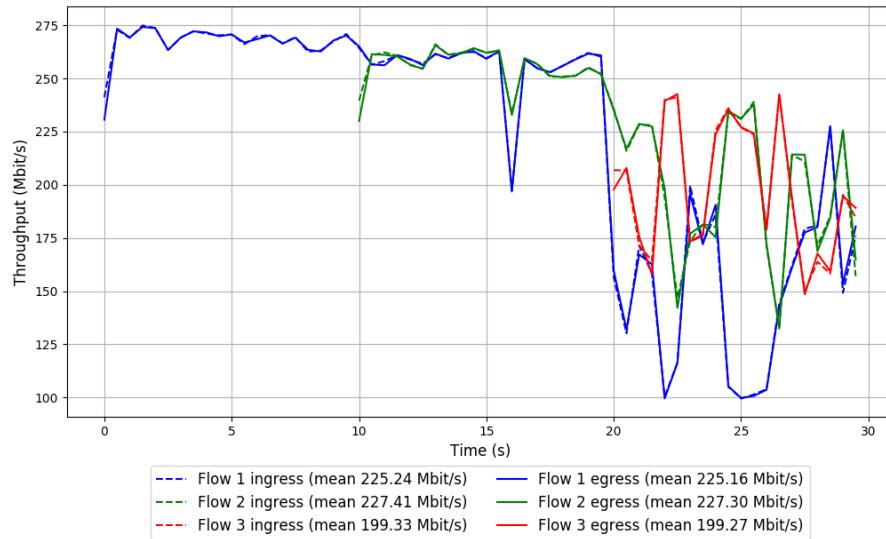


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-04-24 21:46:12
End at: 2018-04-24 21:46:42
Local clock offset: 0.161 ms
Remote clock offset: -5.292 ms

# Below is generated by plot.py at 2018-04-25 05:09:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.56 Mbit/s
95th percentile per-packet one-way delay: 19.733 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 225.16 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 227.30 Mbit/s
95th percentile per-packet one-way delay: 18.545 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 199.27 Mbit/s
95th percentile per-packet one-way delay: 21.769 ms
Loss rate: 0.04%
```

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

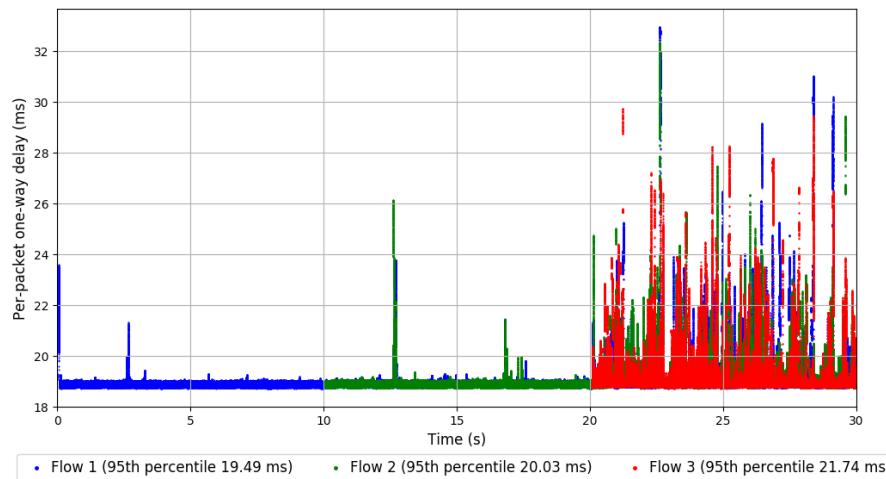
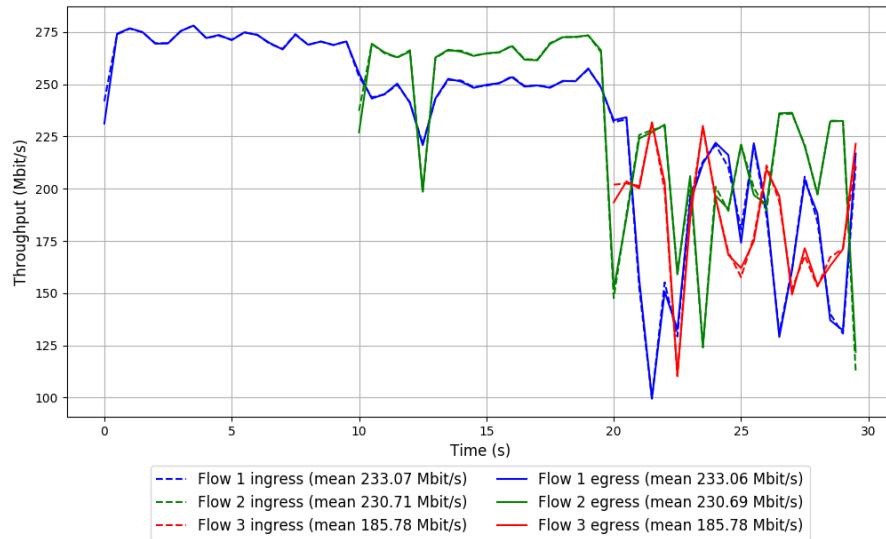


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-04-24 22:12:45
End at: 2018-04-24 22:13:15
Local clock offset: -0.008 ms
Remote clock offset: -5.723 ms

# Below is generated by plot.py at 2018-04-25 05:09:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 448.30 Mbit/s
95th percentile per-packet one-way delay: 20.133 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 233.06 Mbit/s
95th percentile per-packet one-way delay: 19.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 230.69 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 185.78 Mbit/s
95th percentile per-packet one-way delay: 21.742 ms
Loss rate: 0.00%
```

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

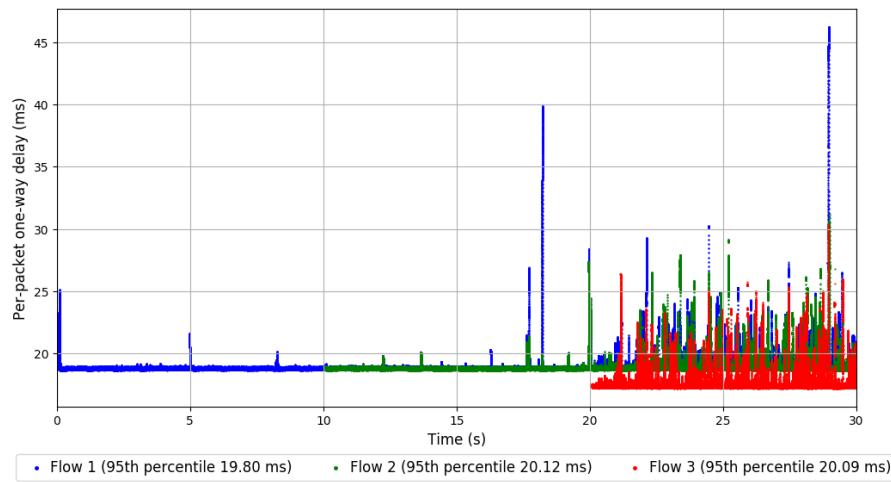
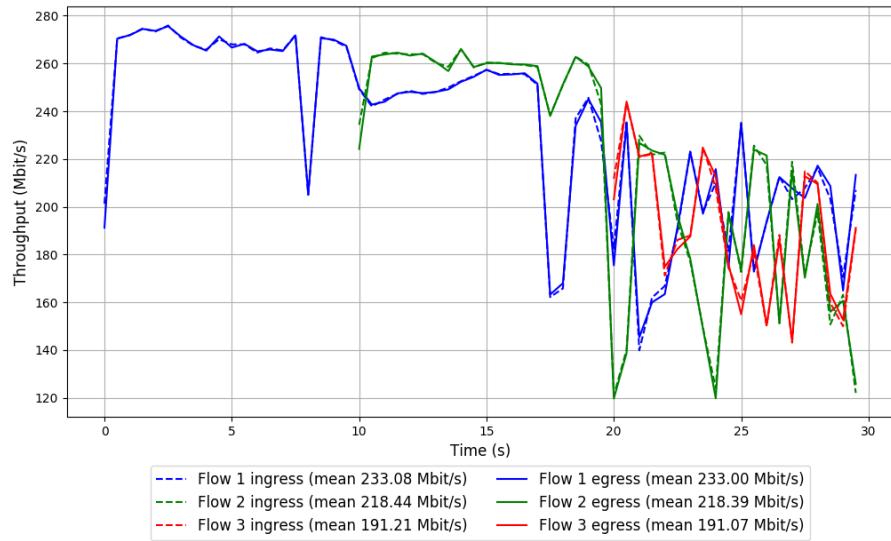


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-04-24 22:39:29
End at: 2018-04-24 22:39:59
Local clock offset: -0.084 ms
Remote clock offset: -5.631 ms

# Below is generated by plot.py at 2018-04-25 05:09:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.77 Mbit/s
95th percentile per-packet one-way delay: 19.939 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 233.00 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 218.39 Mbit/s
95th percentile per-packet one-way delay: 20.124 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 191.07 Mbit/s
95th percentile per-packet one-way delay: 20.089 ms
Loss rate: 0.06%
```

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

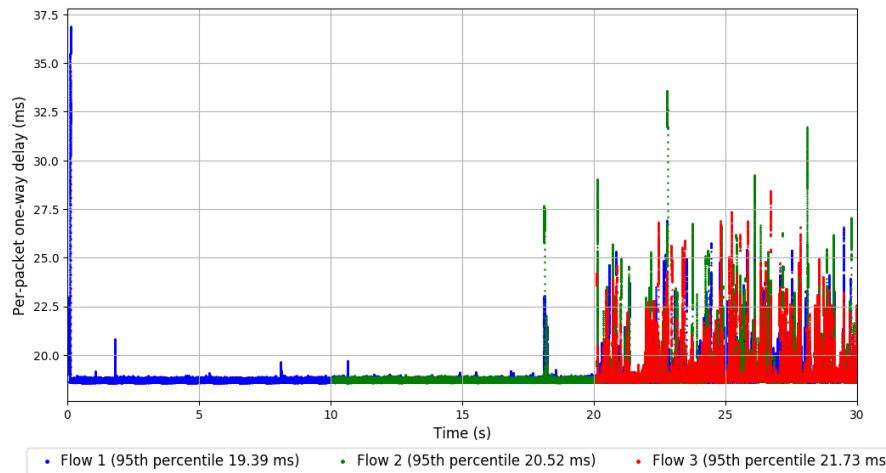
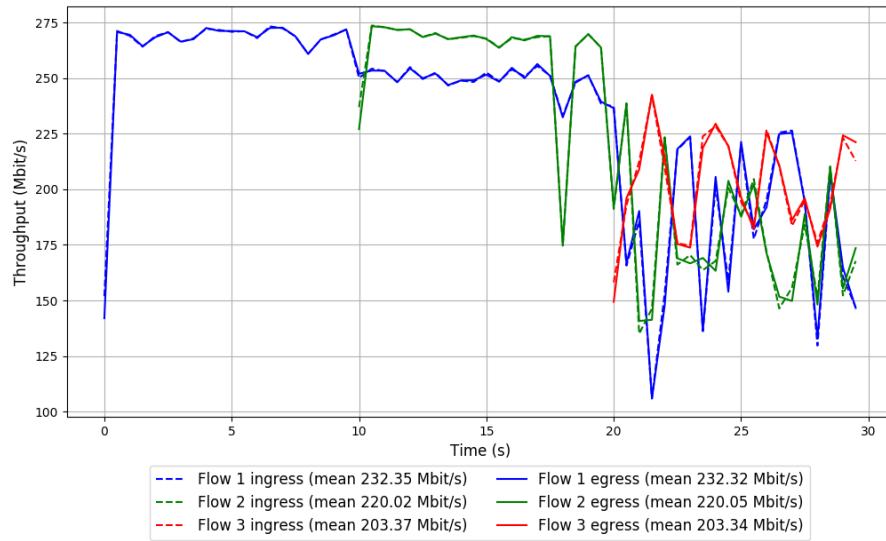


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-04-24 23:06:09
End at: 2018-04-24 23:06:39
Local clock offset: 0.056 ms
Remote clock offset: -5.979 ms

# Below is generated by plot.py at 2018-04-25 05:10:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 446.21 Mbit/s
95th percentile per-packet one-way delay: 20.281 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 232.32 Mbit/s
95th percentile per-packet one-way delay: 19.394 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 220.05 Mbit/s
95th percentile per-packet one-way delay: 20.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 203.34 Mbit/s
95th percentile per-packet one-way delay: 21.726 ms
Loss rate: 0.01%
```

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

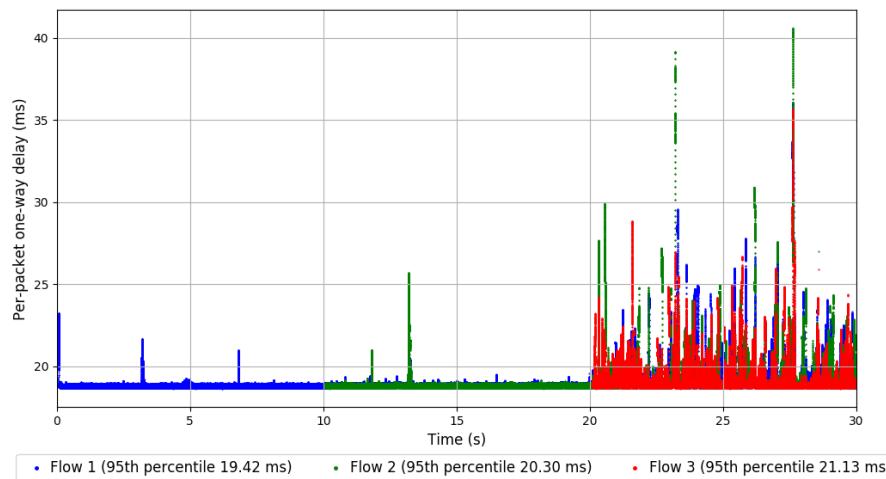
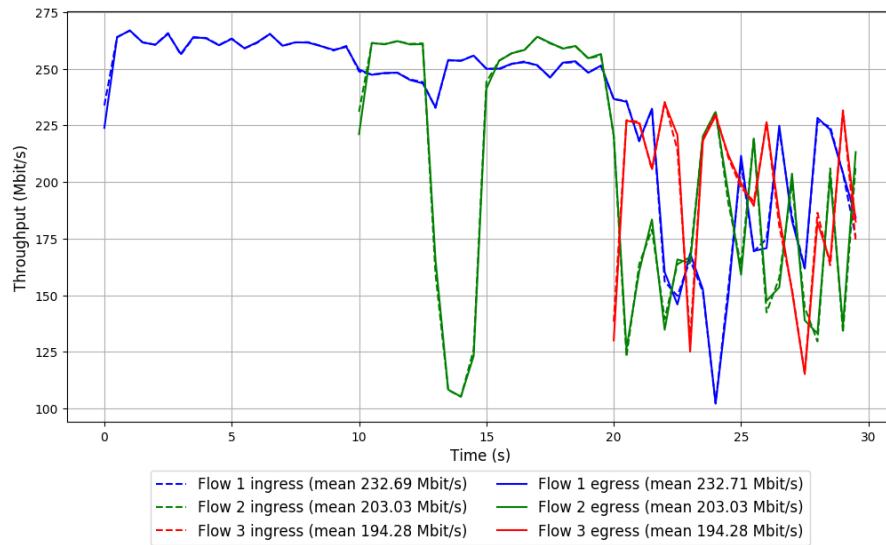


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-04-24 23:32:53
End at: 2018-04-24 23:33:23
Local clock offset: 0.311 ms
Remote clock offset: -6.733 ms

# Below is generated by plot.py at 2018-04-25 05:10:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.27 Mbit/s
95th percentile per-packet one-way delay: 20.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 232.71 Mbit/s
95th percentile per-packet one-way delay: 19.419 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 203.03 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 194.28 Mbit/s
95th percentile per-packet one-way delay: 21.130 ms
Loss rate: 0.00%
```

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

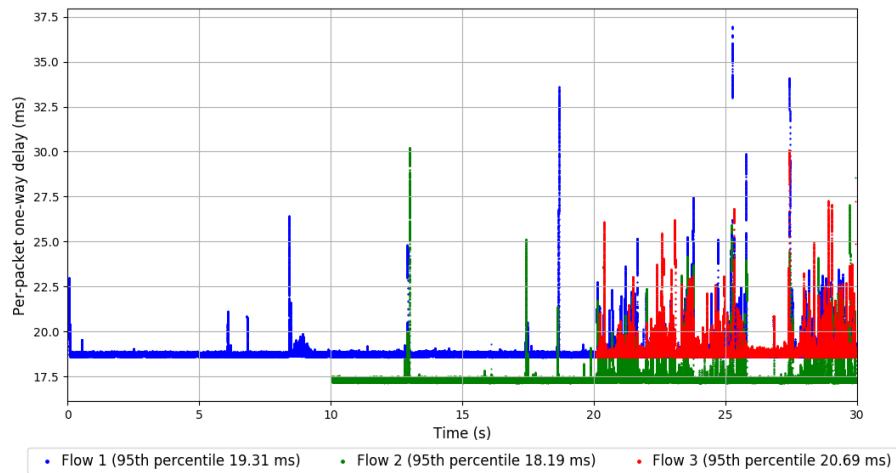
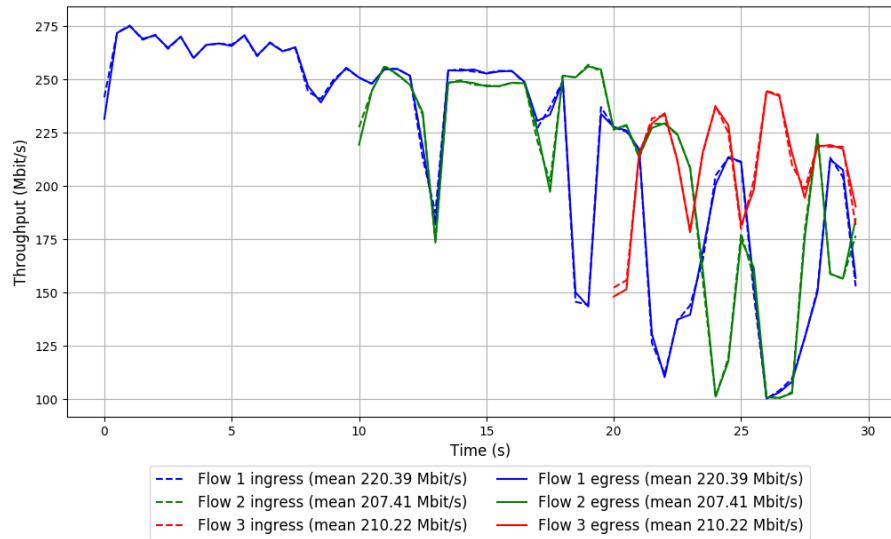


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-04-24 23:59:29
End at: 2018-04-24 23:59:59
Local clock offset: 0.274 ms
Remote clock offset: -5.549 ms

# Below is generated by plot.py at 2018-04-25 05:10:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.15 Mbit/s
95th percentile per-packet one-way delay: 19.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.39 Mbit/s
95th percentile per-packet one-way delay: 19.312 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 207.41 Mbit/s
95th percentile per-packet one-way delay: 18.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 210.22 Mbit/s
95th percentile per-packet one-way delay: 20.690 ms
Loss rate: 0.00%
```

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

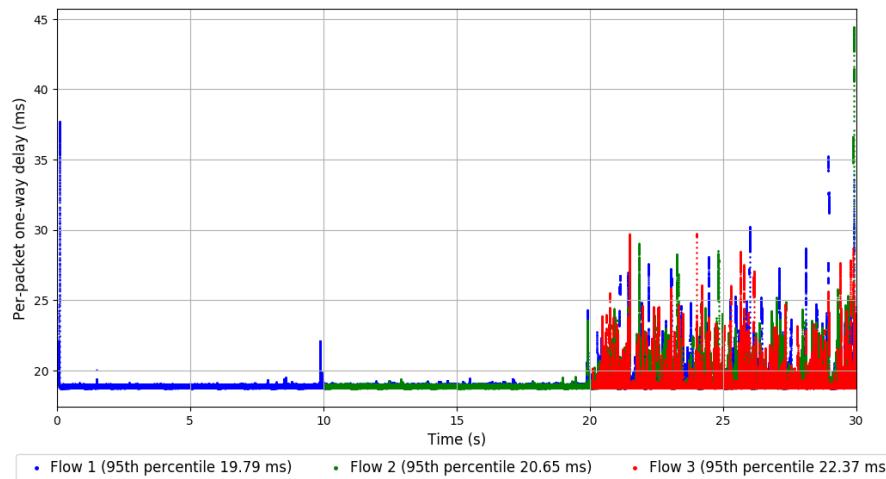
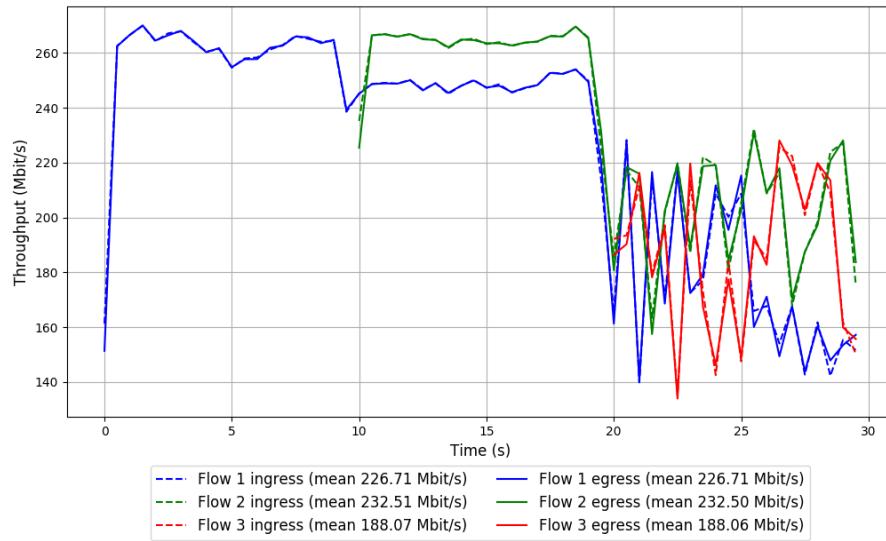


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-04-25 00:25:56
End at: 2018-04-25 00:26:26
Local clock offset: -0.16 ms
Remote clock offset: -5.506 ms

# Below is generated by plot.py at 2018-04-25 05:15:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.86 Mbit/s
95th percentile per-packet one-way delay: 20.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.71 Mbit/s
95th percentile per-packet one-way delay: 19.790 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 232.50 Mbit/s
95th percentile per-packet one-way delay: 20.650 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 188.06 Mbit/s
95th percentile per-packet one-way delay: 22.370 ms
Loss rate: 0.01%
```

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

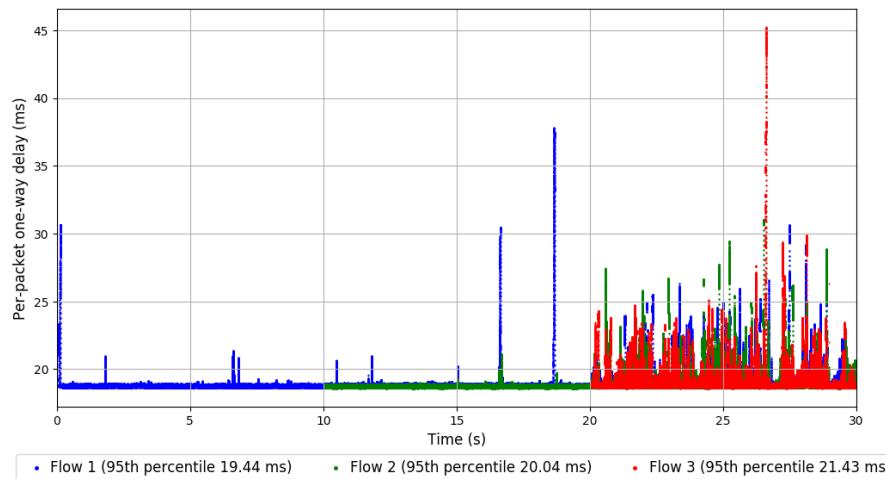
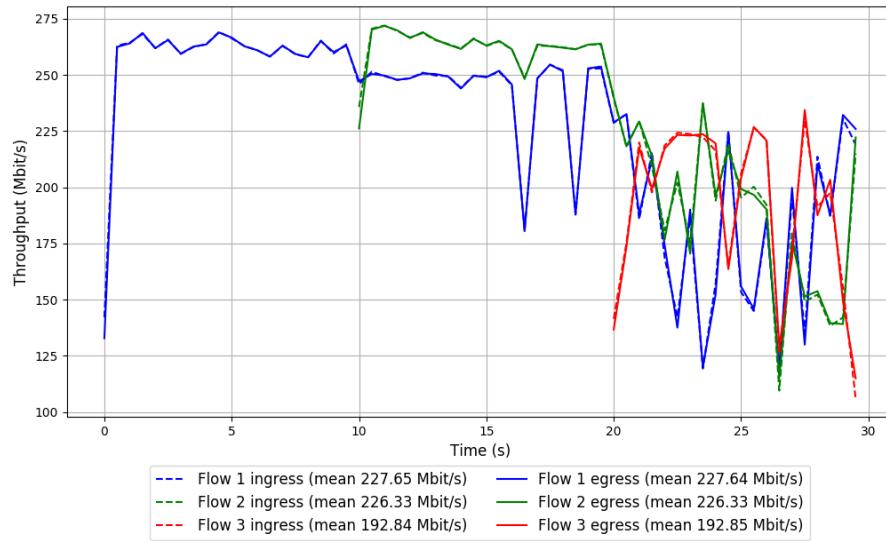


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-04-25 00:52:29
End at: 2018-04-25 00:52:59
Local clock offset: 0.006 ms
Remote clock offset: -5.44 ms

# Below is generated by plot.py at 2018-04-25 05:17:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.38 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.64 Mbit/s
95th percentile per-packet one-way delay: 19.436 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 226.33 Mbit/s
95th percentile per-packet one-way delay: 20.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 192.85 Mbit/s
95th percentile per-packet one-way delay: 21.429 ms
Loss rate: 0.00%
```

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

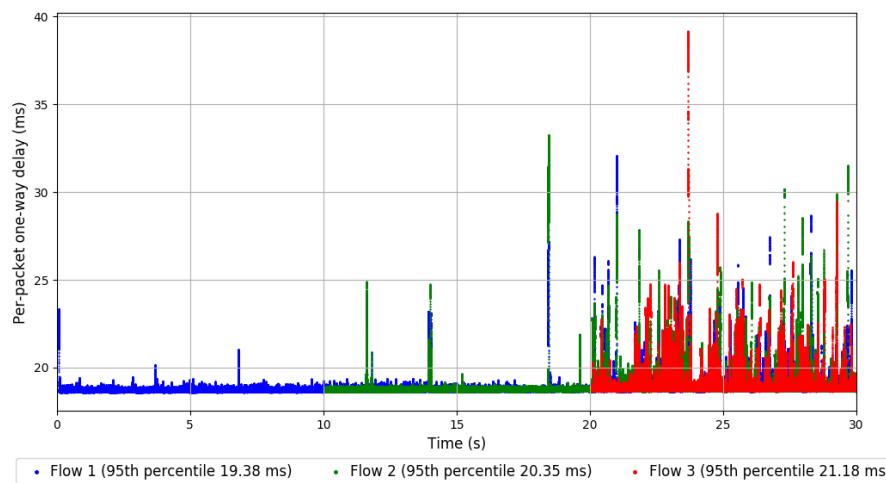
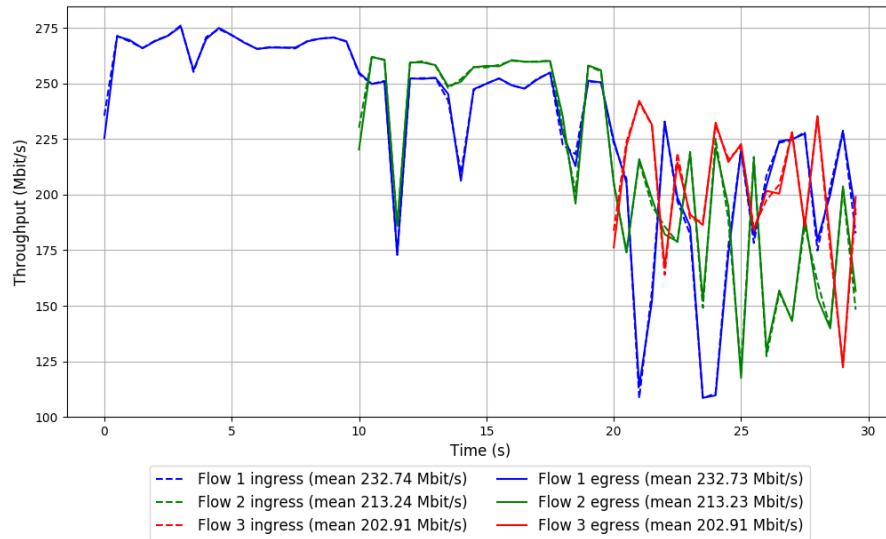


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-04-25 01:19:11
End at: 2018-04-25 01:19:41
Local clock offset: 0.417 ms
Remote clock offset: -5.457 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.09 Mbit/s
95th percentile per-packet one-way delay: 20.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 232.73 Mbit/s
95th percentile per-packet one-way delay: 19.377 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 213.23 Mbit/s
95th percentile per-packet one-way delay: 20.351 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 202.91 Mbit/s
95th percentile per-packet one-way delay: 21.177 ms
Loss rate: 0.00%
```

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

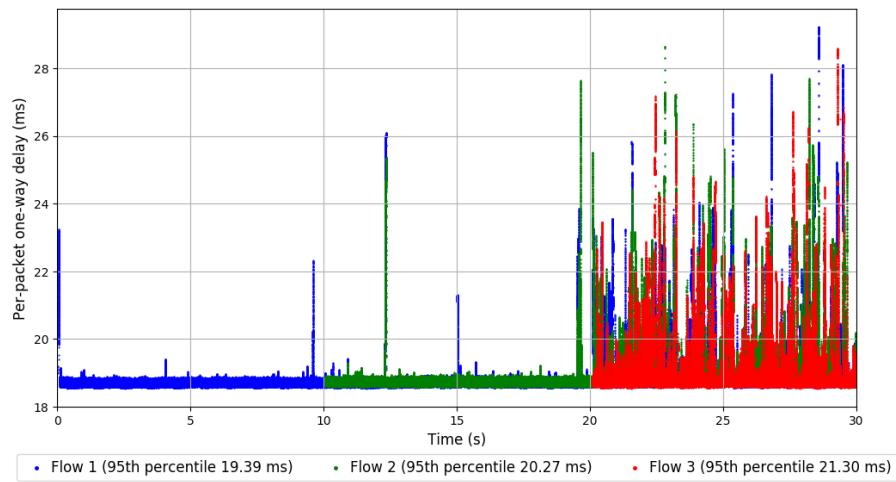
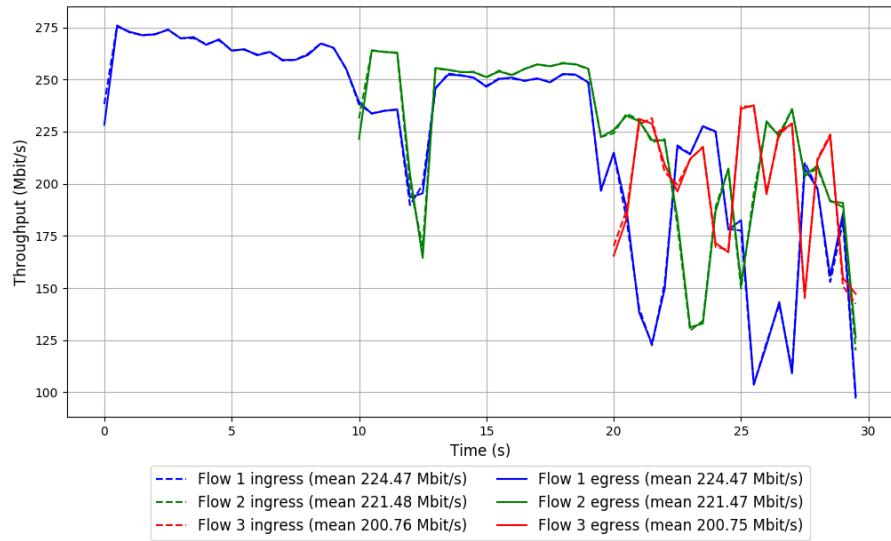


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-04-25 01:46:05
End at: 2018-04-25 01:46:35
Local clock offset: 0.403 ms
Remote clock offset: -6.735 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 438.50 Mbit/s
95th percentile per-packet one-way delay: 20.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.47 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.47 Mbit/s
95th percentile per-packet one-way delay: 20.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 200.75 Mbit/s
95th percentile per-packet one-way delay: 21.305 ms
Loss rate: 0.00%
```

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

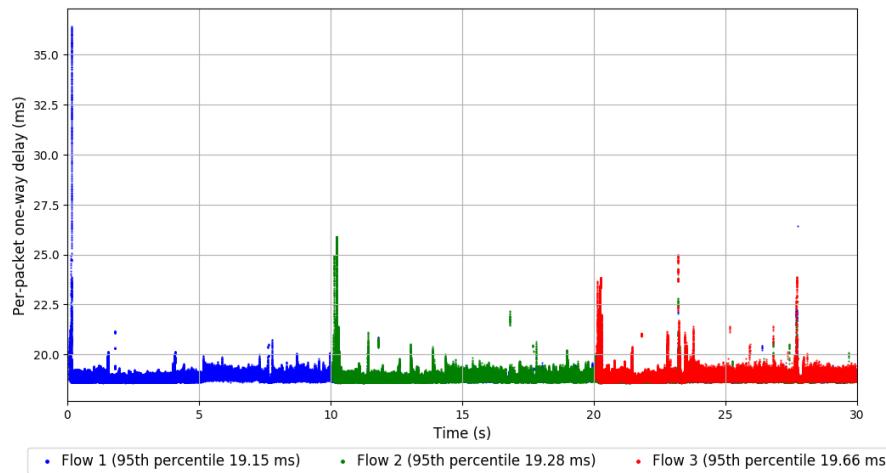
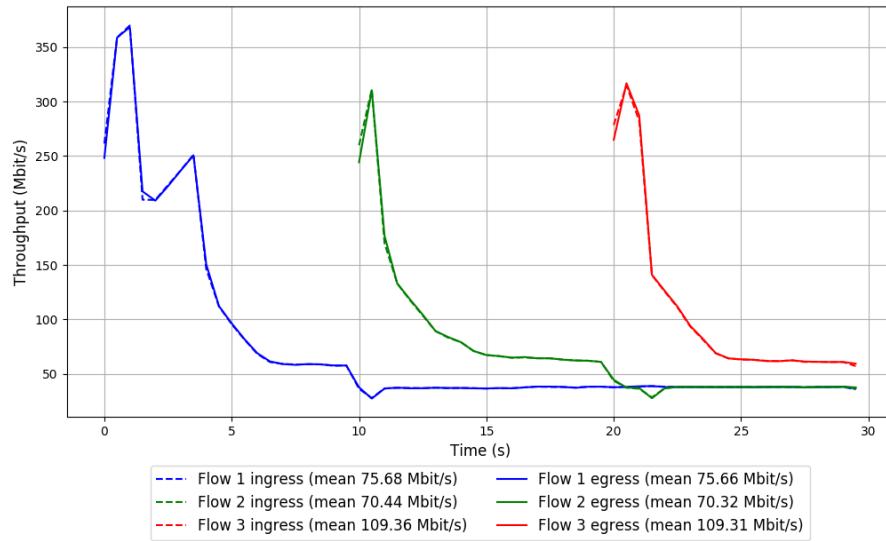


Run 1: Statistics of TCP Vegas

```
Start at: 2018-04-24 21:38:31
End at: 2018-04-24 21:39:01
Local clock offset: 0.287 ms
Remote clock offset: -5.351 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 158.77 Mbit/s
95th percentile per-packet one-way delay: 19.258 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 75.66 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 109.31 Mbit/s
95th percentile per-packet one-way delay: 19.661 ms
Loss rate: 0.05%
```

Run 1: Report of TCP Vegas — Data Link

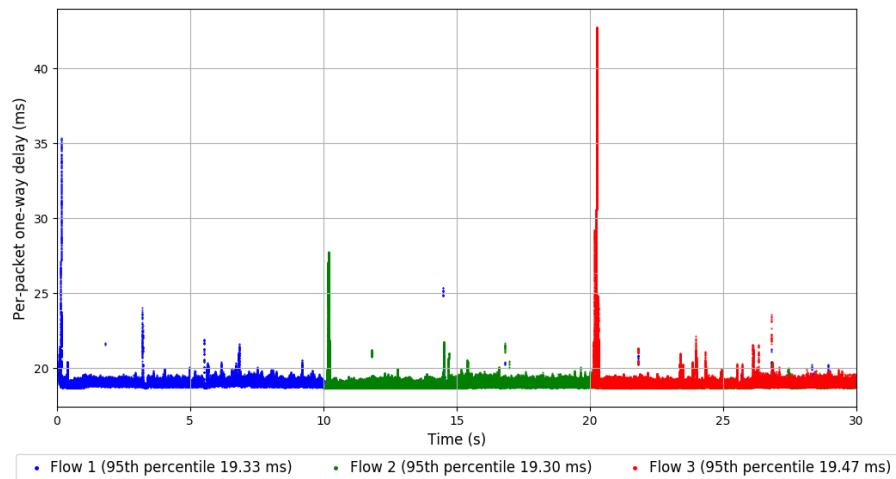
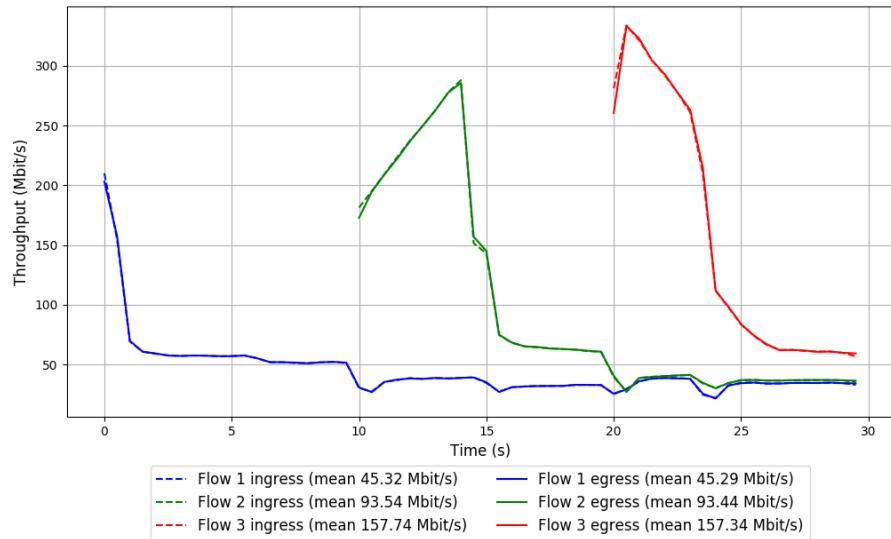


Run 2: Statistics of TCP Vegas

```
Start at: 2018-04-24 22:05:05
End at: 2018-04-24 22:05:35
Local clock offset: 0.097 ms
Remote clock offset: -5.688 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 159.75 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 45.29 Mbit/s
95th percentile per-packet one-way delay: 19.333 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 19.301 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 157.34 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.25%
```

Run 2: Report of TCP Vegas — Data Link

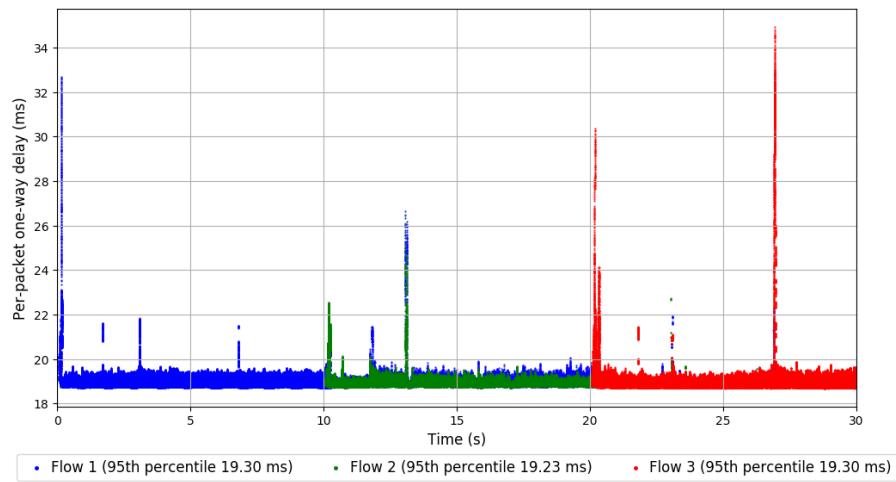
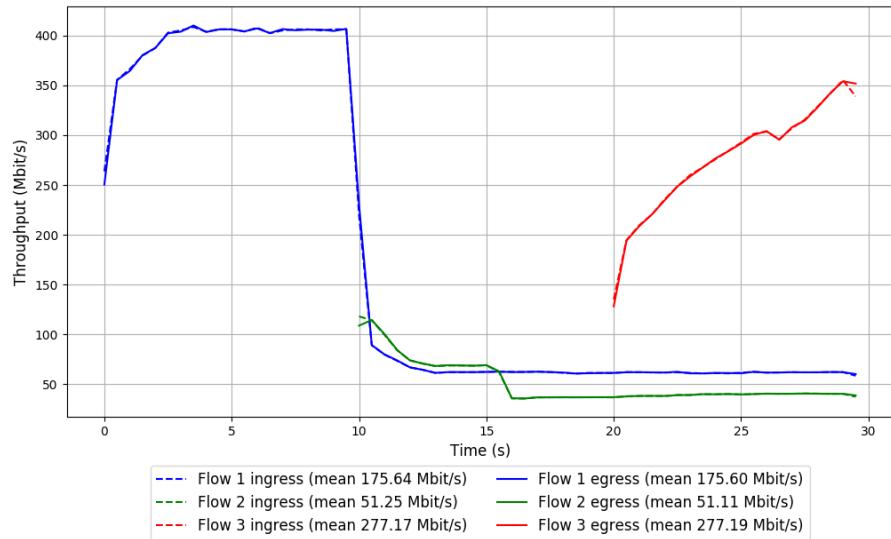


Run 3: Statistics of TCP Vegas

```
Start at: 2018-04-24 22:31:44
End at: 2018-04-24 22:32:14
Local clock offset: -0.066 ms
Remote clock offset: -5.711 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 301.61 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 175.60 Mbit/s
95th percentile per-packet one-way delay: 19.305 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 51.11 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 277.19 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

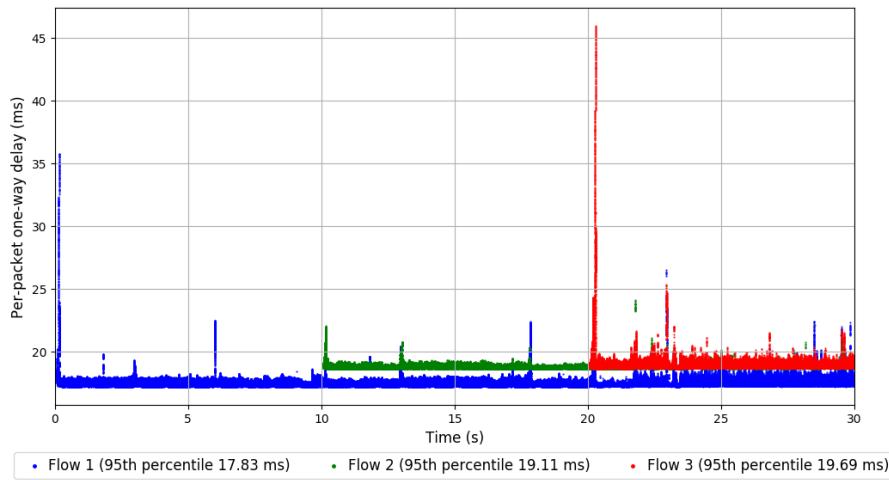
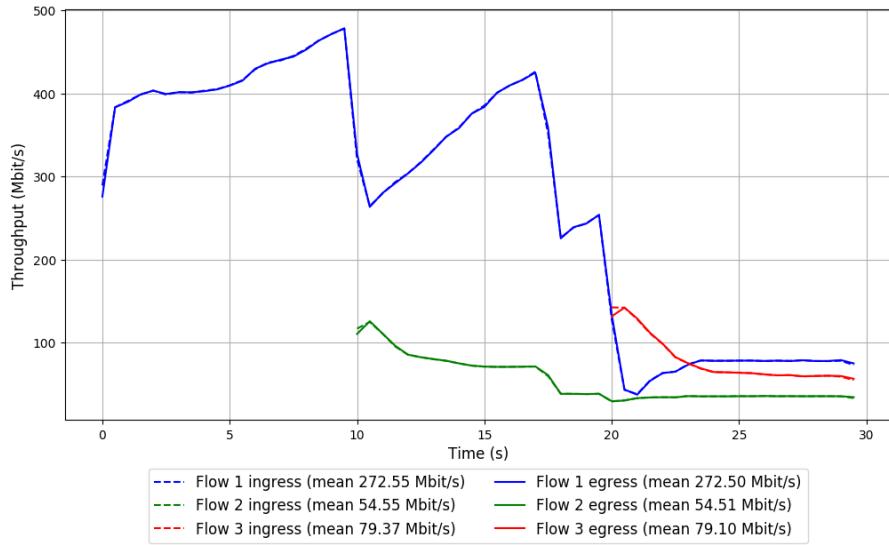


Run 4: Statistics of TCP Vegas

```
Start at: 2018-04-24 22:58:24
End at: 2018-04-24 22:58:54
Local clock offset: -0.06 ms
Remote clock offset: -5.61 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 335.06 Mbit/s
95th percentile per-packet one-way delay: 19.009 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 272.50 Mbit/s
95th percentile per-packet one-way delay: 17.827 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 19.112 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 79.10 Mbit/s
95th percentile per-packet one-way delay: 19.686 ms
Loss rate: 0.33%
```

Run 4: Report of TCP Vegas — Data Link

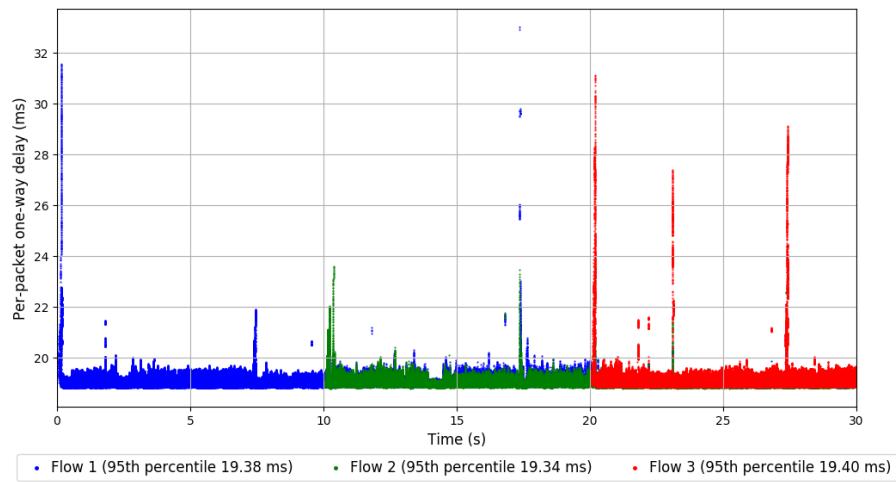
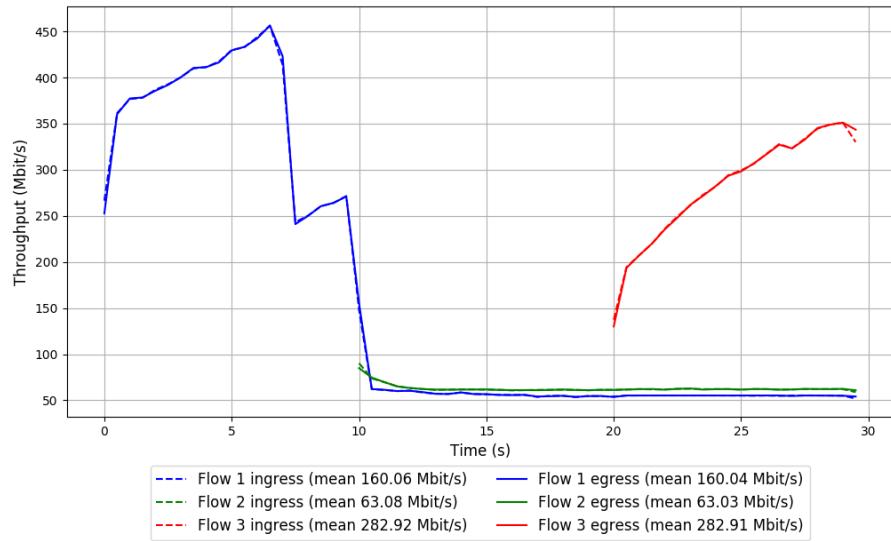


Run 5: Statistics of TCP Vegas

```
Start at: 2018-04-24 23:25:09
End at: 2018-04-24 23:25:39
Local clock offset: 0.189 ms
Remote clock offset: -6.475 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.04 Mbit/s
95th percentile per-packet one-way delay: 19.382 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 160.04 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 19.336 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 282.91 Mbit/s
95th percentile per-packet one-way delay: 19.396 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

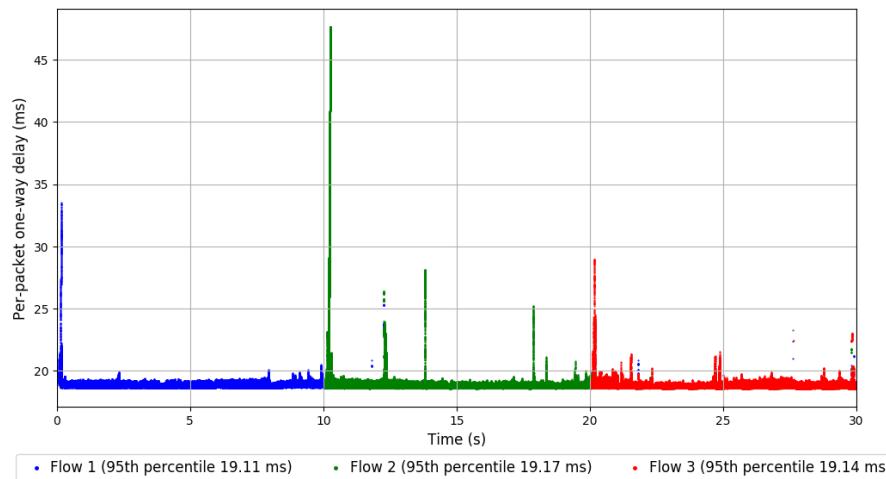
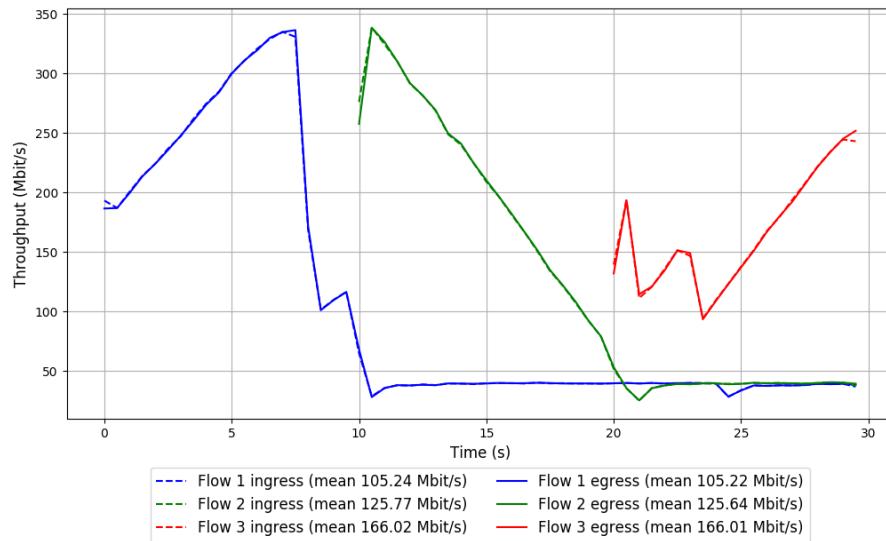


Run 6: Statistics of TCP Vegas

```
Start at: 2018-04-24 23:51:44
End at: 2018-04-24 23:52:14
Local clock offset: 0.531 ms
Remote clock offset: -5.688 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 244.06 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 105.22 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 125.64 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 166.01 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

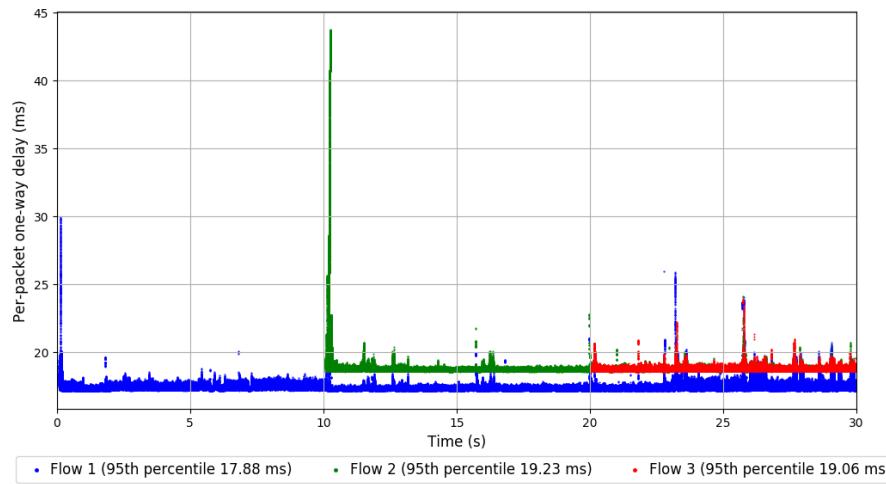
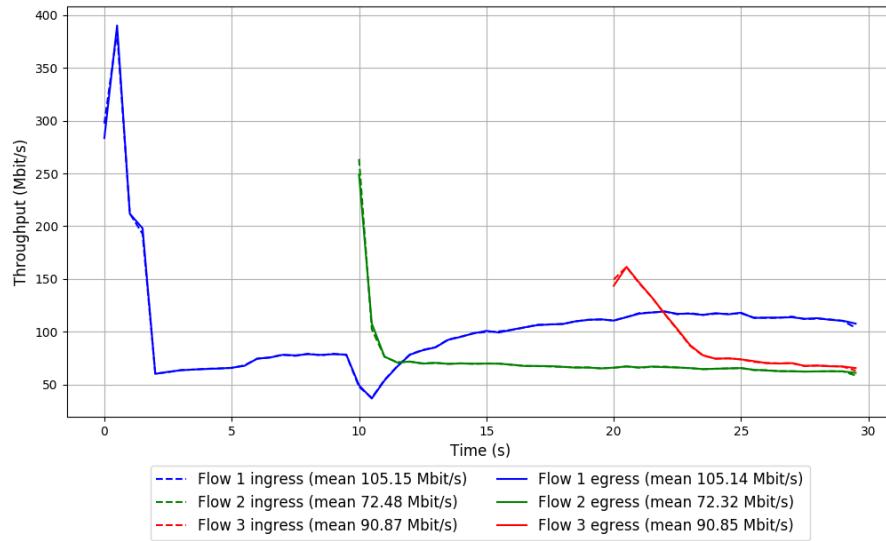


Run 7: Statistics of TCP Vegas

```
Start at: 2018-04-25 00:18:10
End at: 2018-04-25 00:18:40
Local clock offset: -0.07 ms
Remote clock offset: -5.578 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 183.47 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 105.14 Mbit/s
95th percentile per-packet one-way delay: 17.877 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.32 Mbit/s
95th percentile per-packet one-way delay: 19.232 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 19.064 ms
Loss rate: 0.03%
```

Run 7: Report of TCP Vegas — Data Link

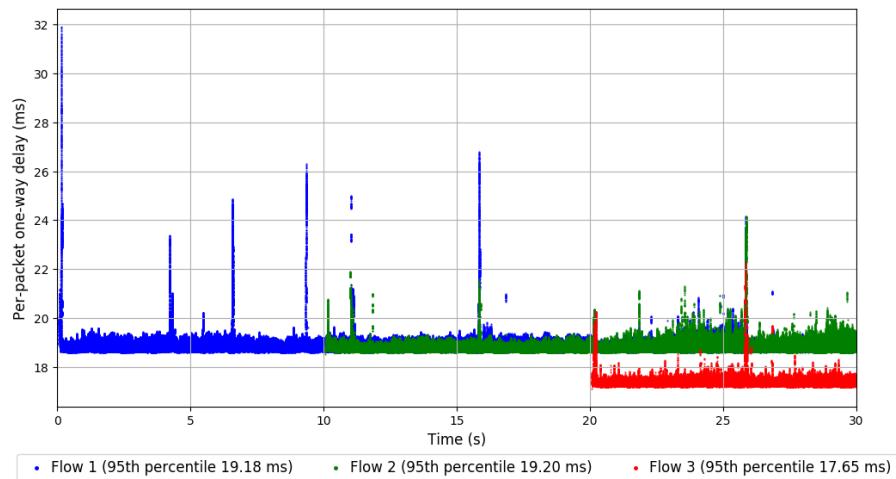
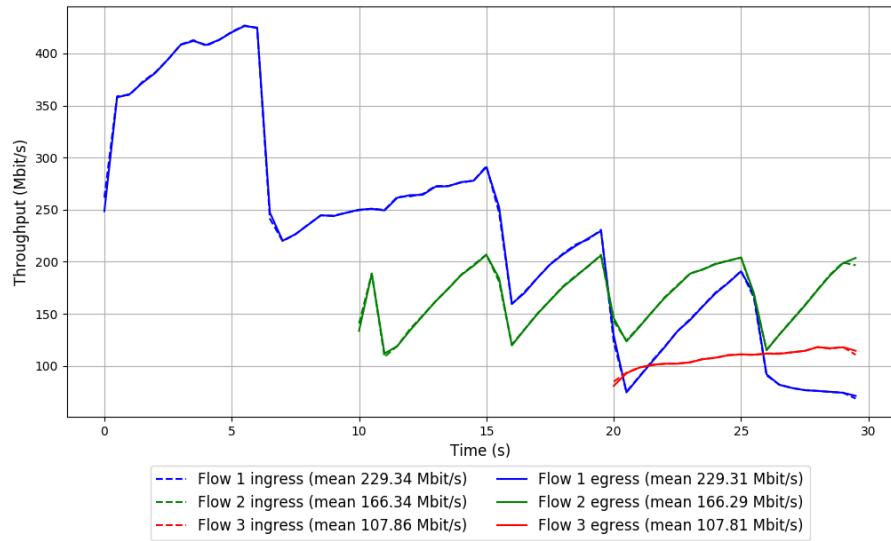


Run 8: Statistics of TCP Vegas

```
Start at: 2018-04-25 00:44:40
End at: 2018-04-25 00:45:10
Local clock offset: 0.038 ms
Remote clock offset: -5.521 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.83 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 229.31 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 166.29 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 107.81 Mbit/s
95th percentile per-packet one-way delay: 17.647 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Vegas — Data Link

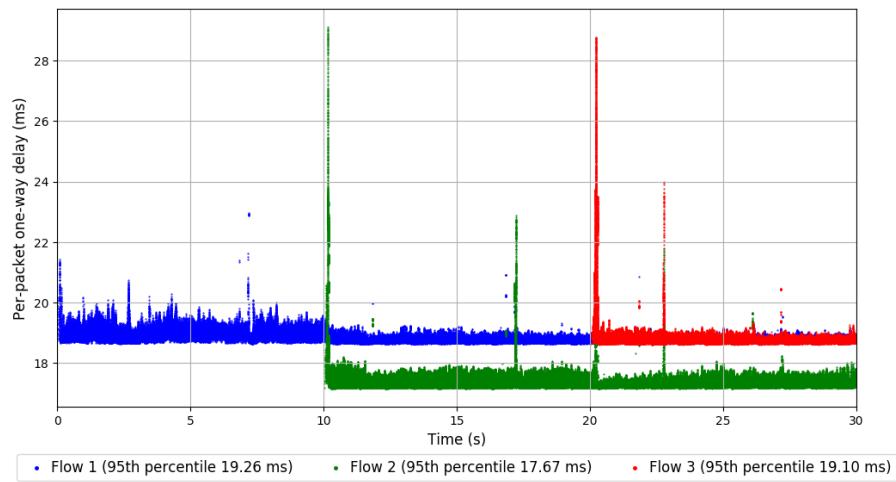
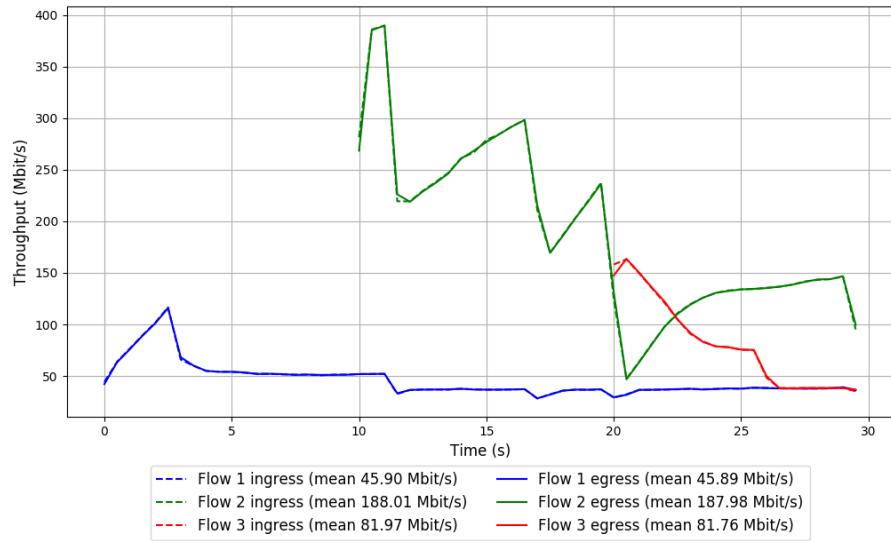


Run 9: Statistics of TCP Vegas

```
Start at: 2018-04-25 01:11:28
End at: 2018-04-25 01:11:58
Local clock offset: 0.311 ms
Remote clock offset: -5.354 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.16 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 19.263 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 187.98 Mbit/s
95th percentile per-packet one-way delay: 17.667 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 81.76 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.26%
```

Run 9: Report of TCP Vegas — Data Link

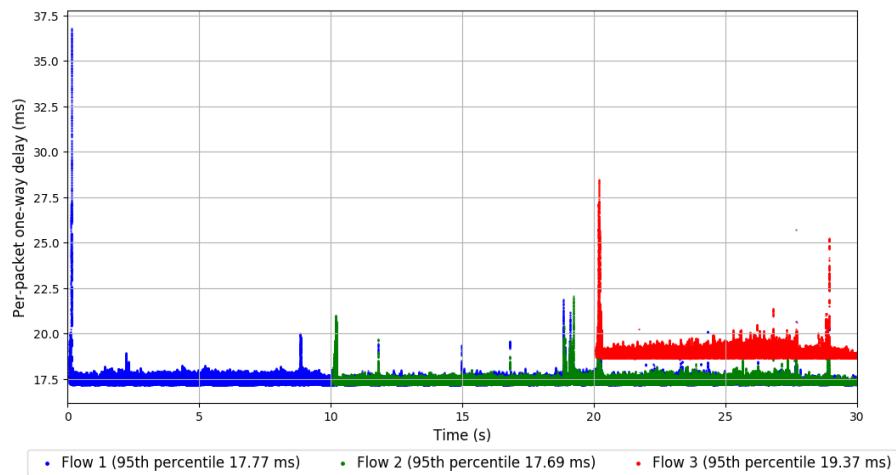
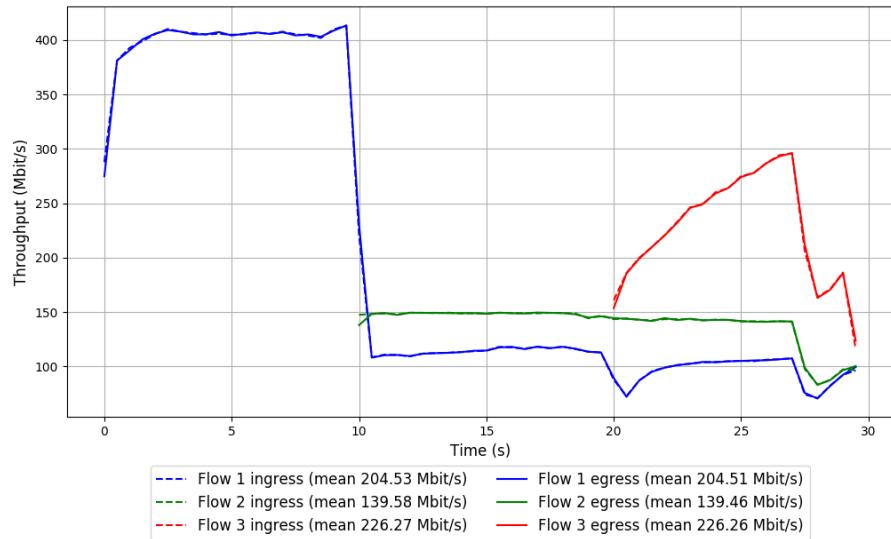


Run 10: Statistics of TCP Vegas

```
Start at: 2018-04-25 01:38:16
End at: 2018-04-25 01:38:46
Local clock offset: 0.421 ms
Remote clock offset: -6.546 ms

# Below is generated by plot.py at 2018-04-25 05:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.47 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 204.51 Mbit/s
95th percentile per-packet one-way delay: 17.765 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 139.46 Mbit/s
95th percentile per-packet one-way delay: 17.689 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 226.26 Mbit/s
95th percentile per-packet one-way delay: 19.373 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link

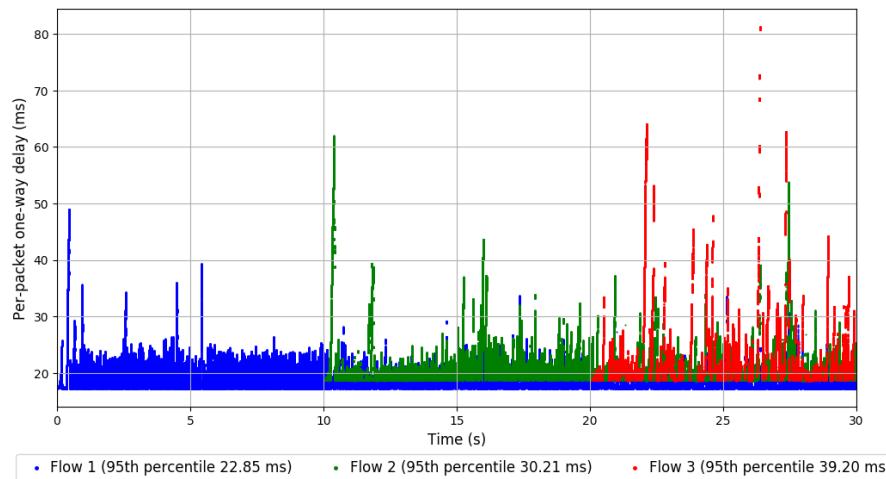
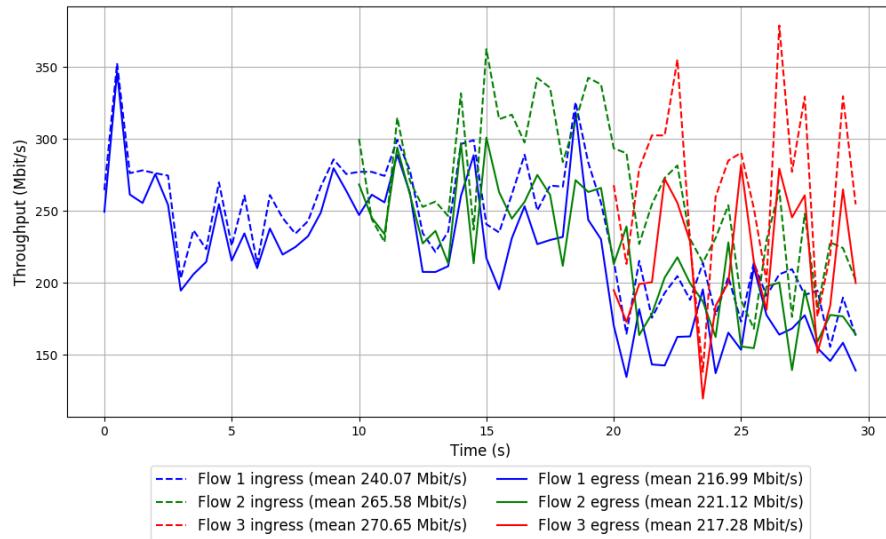


Run 1: Statistics of Verus

```
Start at: 2018-04-24 21:43:11
End at: 2018-04-24 21:43:41
Local clock offset: 0.197 ms
Remote clock offset: -5.377 ms

# Below is generated by plot.py at 2018-04-25 05:23:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.78 Mbit/s
95th percentile per-packet one-way delay: 29.361 ms
Loss rate: 13.86%
-- Flow 1:
Average throughput: 216.99 Mbit/s
95th percentile per-packet one-way delay: 22.847 ms
Loss rate: 9.61%
-- Flow 2:
Average throughput: 221.12 Mbit/s
95th percentile per-packet one-way delay: 30.210 ms
Loss rate: 16.73%
-- Flow 3:
Average throughput: 217.28 Mbit/s
95th percentile per-packet one-way delay: 39.202 ms
Loss rate: 19.64%
```

Run 1: Report of Verus — Data Link

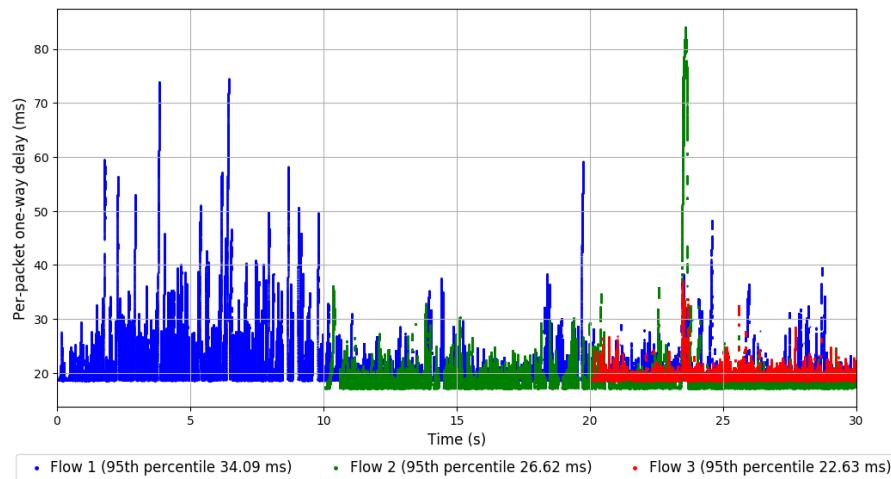
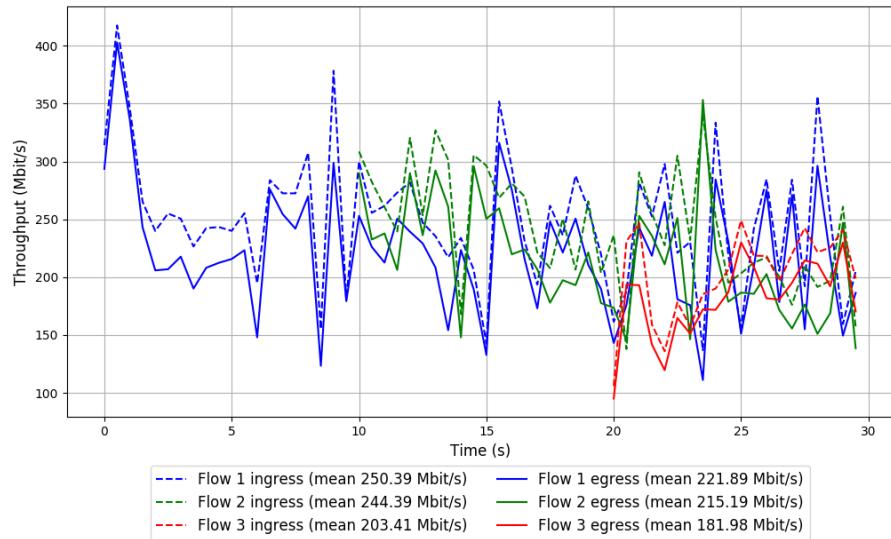


Run 2: Statistics of Verus

```
Start at: 2018-04-24 22:09:44
End at: 2018-04-24 22:10:14
Local clock offset: 0.143 ms
Remote clock offset: -5.733 ms

# Below is generated by plot.py at 2018-04-25 05:23:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 425.25 Mbit/s
95th percentile per-packet one-way delay: 31.041 ms
Loss rate: 11.45%
-- Flow 1:
Average throughput: 221.89 Mbit/s
95th percentile per-packet one-way delay: 34.089 ms
Loss rate: 11.38%
-- Flow 2:
Average throughput: 215.19 Mbit/s
95th percentile per-packet one-way delay: 26.624 ms
Loss rate: 11.94%
-- Flow 3:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 22.629 ms
Loss rate: 10.50%
```

Run 2: Report of Verus — Data Link

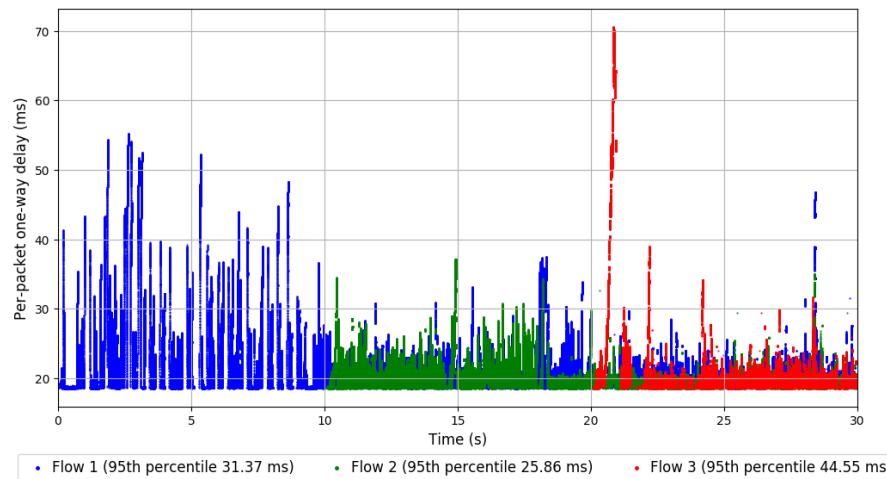
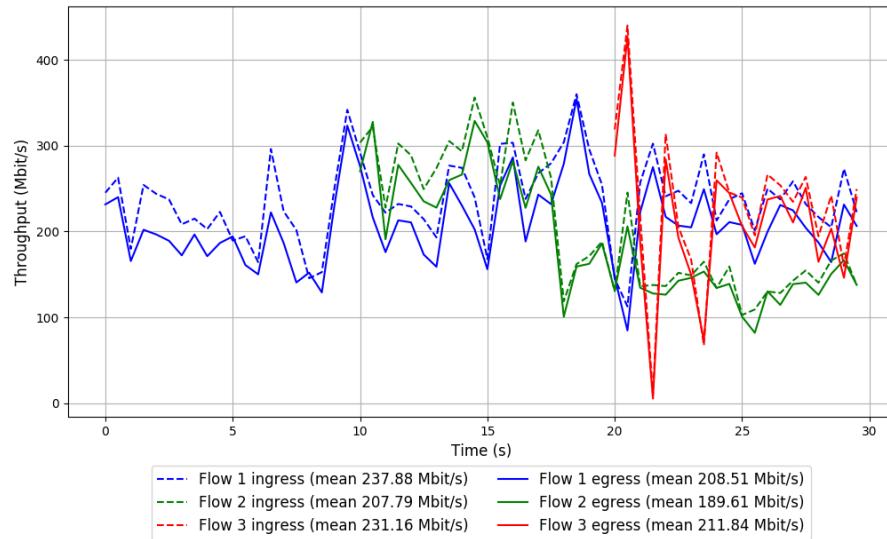


Run 3: Statistics of Verus

```
Start at: 2018-04-24 22:36:29
End at: 2018-04-24 22:36:59
Local clock offset: 0.008 ms
Remote clock offset: -5.675 ms

# Below is generated by plot.py at 2018-04-25 05:24:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.65 Mbit/s
95th percentile per-packet one-way delay: 29.794 ms
Loss rate: 10.57%
-- Flow 1:
Average throughput: 208.51 Mbit/s
95th percentile per-packet one-way delay: 31.370 ms
Loss rate: 12.34%
-- Flow 2:
Average throughput: 189.61 Mbit/s
95th percentile per-packet one-way delay: 25.862 ms
Loss rate: 8.74%
-- Flow 3:
Average throughput: 211.84 Mbit/s
95th percentile per-packet one-way delay: 44.555 ms
Loss rate: 8.35%
```

Run 3: Report of Verus — Data Link

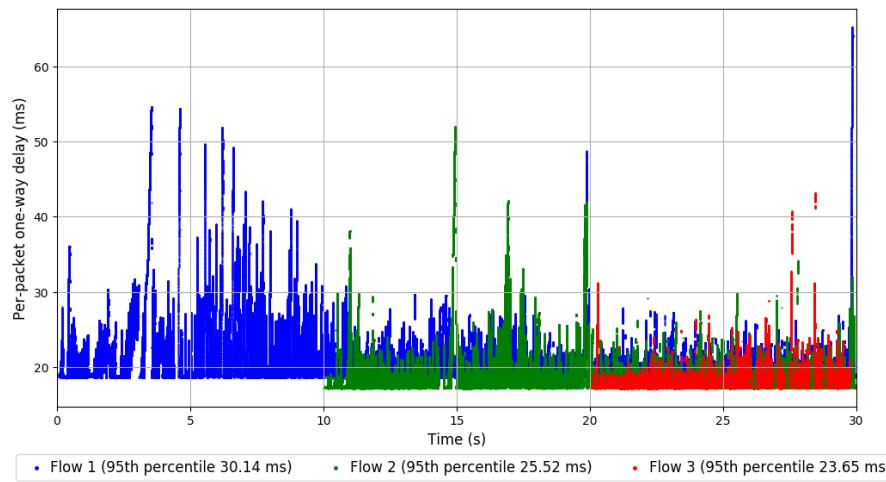
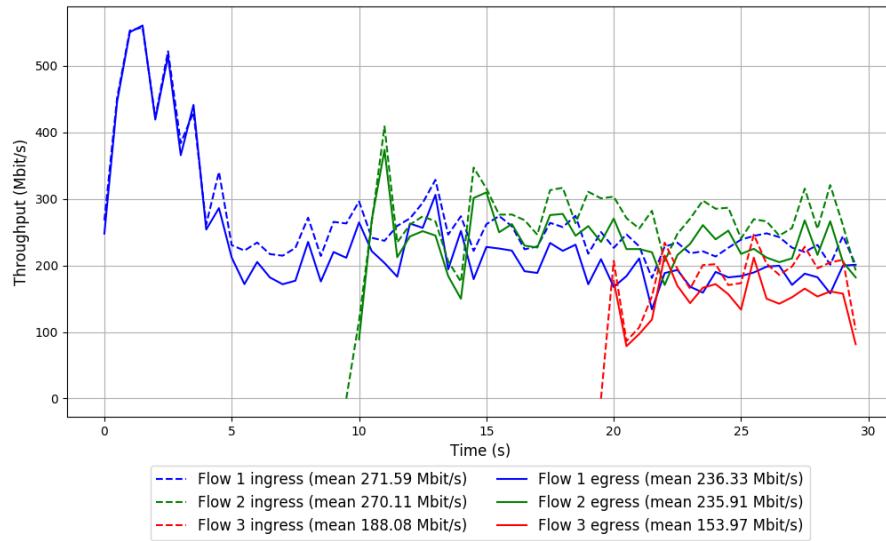


Run 4: Statistics of Verus

```
Start at: 2018-04-24 23:03:07
End at: 2018-04-24 23:03:37
Local clock offset: 0.014 ms
Remote clock offset: -5.738 ms

# Below is generated by plot.py at 2018-04-25 05:25:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.68 Mbit/s
95th percentile per-packet one-way delay: 28.352 ms
Loss rate: 13.48%
-- Flow 1:
Average throughput: 236.33 Mbit/s
95th percentile per-packet one-way delay: 30.135 ms
Loss rate: 12.98%
-- Flow 2:
Average throughput: 235.91 Mbit/s
95th percentile per-packet one-way delay: 25.515 ms
Loss rate: 12.66%
-- Flow 3:
Average throughput: 153.97 Mbit/s
95th percentile per-packet one-way delay: 23.649 ms
Loss rate: 18.12%
```

Run 4: Report of Verus — Data Link

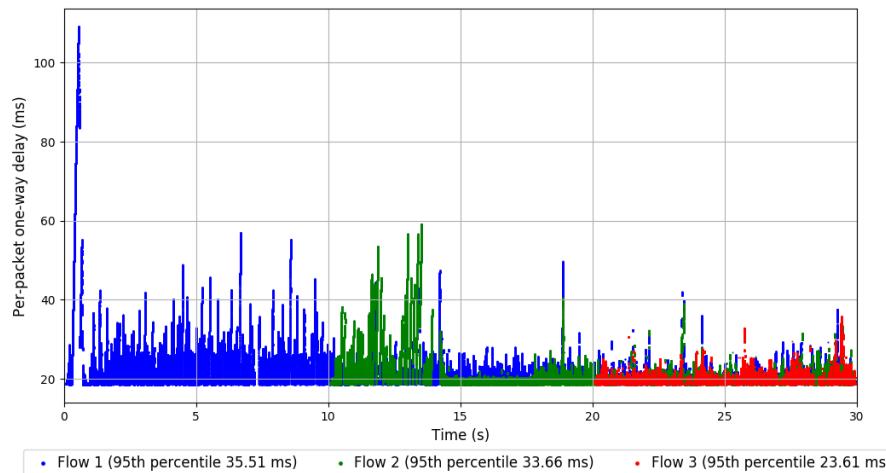
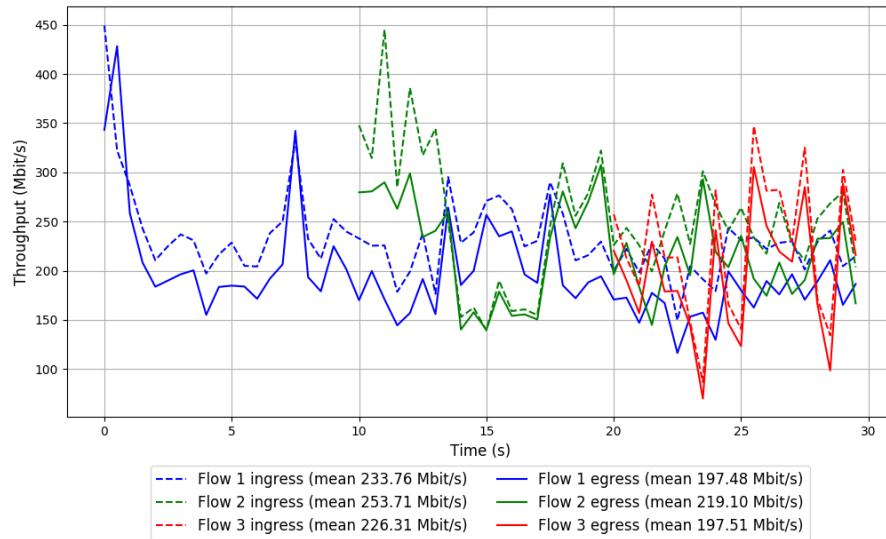


Run 5: Statistics of Verus

```
Start at: 2018-04-24 23:29:53
End at: 2018-04-24 23:30:23
Local clock offset: 0.312 ms
Remote clock offset: -6.679 ms

# Below is generated by plot.py at 2018-04-25 05:26:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 408.39 Mbit/s
95th percentile per-packet one-way delay: 32.935 ms
Loss rate: 14.42%
-- Flow 1:
Average throughput: 197.48 Mbit/s
95th percentile per-packet one-way delay: 35.509 ms
Loss rate: 15.52%
-- Flow 2:
Average throughput: 219.10 Mbit/s
95th percentile per-packet one-way delay: 33.660 ms
Loss rate: 13.64%
-- Flow 3:
Average throughput: 197.51 Mbit/s
95th percentile per-packet one-way delay: 23.614 ms
Loss rate: 12.74%
```

Run 5: Report of Verus — Data Link

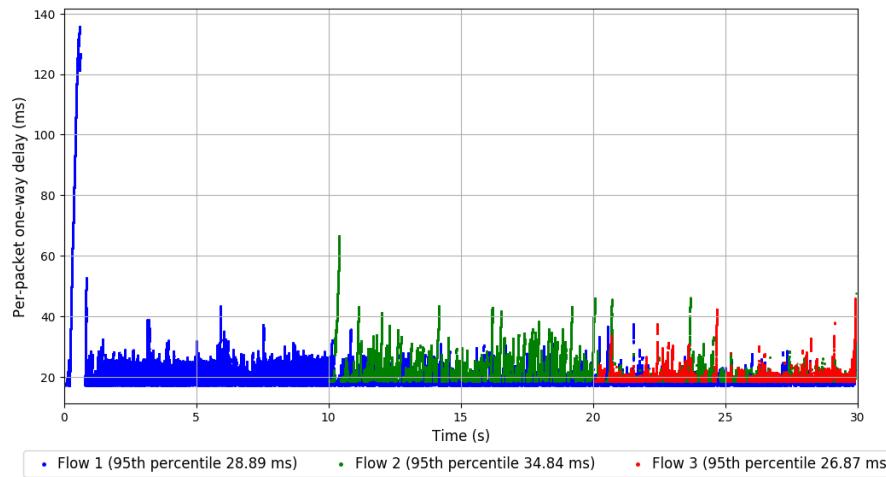
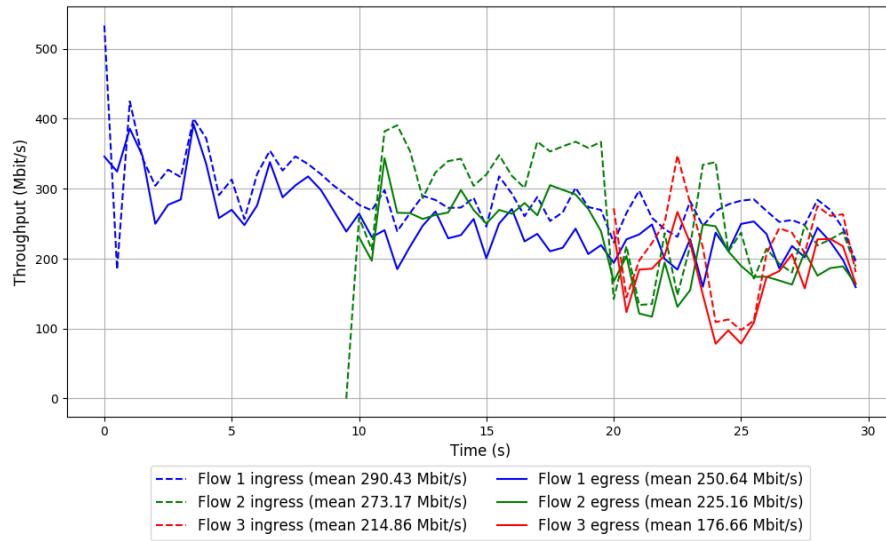


Run 6: Statistics of Verus

```
Start at: 2018-04-24 23:56:26
End at: 2018-04-24 23:56:56
Local clock offset: 0.361 ms
Remote clock offset: -5.654 ms

# Below is generated by plot.py at 2018-04-25 05:28:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.01 Mbit/s
95th percentile per-packet one-way delay: 32.009 ms
Loss rate: 15.48%
-- Flow 1:
Average throughput: 250.64 Mbit/s
95th percentile per-packet one-way delay: 28.892 ms
Loss rate: 13.68%
-- Flow 2:
Average throughput: 225.16 Mbit/s
95th percentile per-packet one-way delay: 34.841 ms
Loss rate: 17.55%
-- Flow 3:
Average throughput: 176.66 Mbit/s
95th percentile per-packet one-way delay: 26.868 ms
Loss rate: 17.56%
```

Run 6: Report of Verus — Data Link

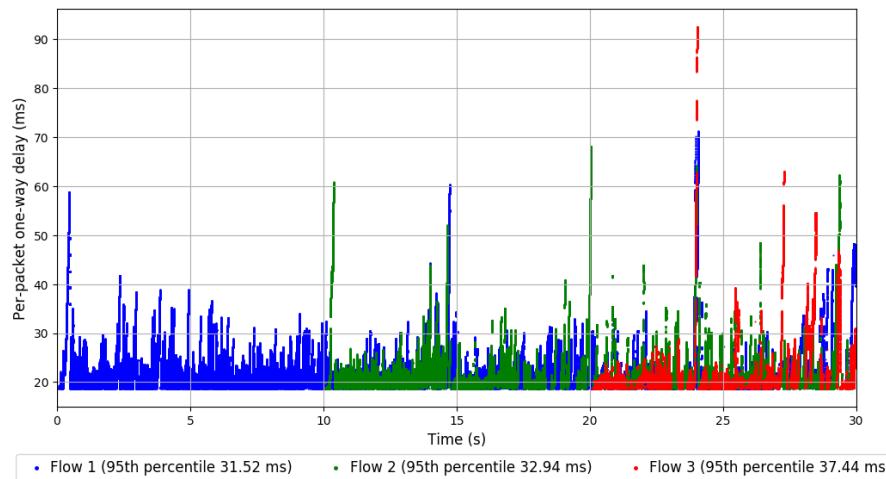
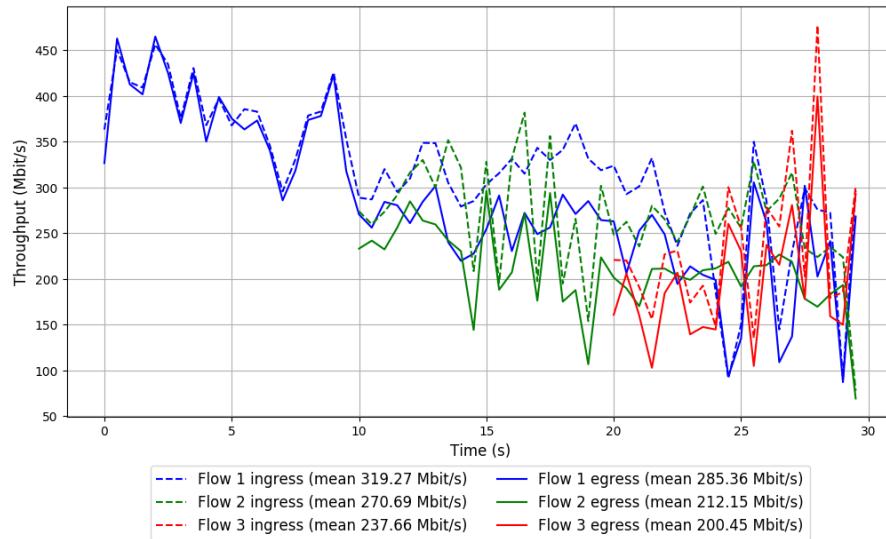


Run 7: Statistics of Verus

```
Start at: 2018-04-25 00:22:52
End at: 2018-04-25 00:23:22
Local clock offset: -0.222 ms
Remote clock offset: -5.598 ms

# Below is generated by plot.py at 2018-04-25 05:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 492.01 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 14.72%
-- Flow 1:
Average throughput: 285.36 Mbit/s
95th percentile per-packet one-way delay: 31.520 ms
Loss rate: 10.62%
-- Flow 2:
Average throughput: 212.15 Mbit/s
95th percentile per-packet one-way delay: 32.938 ms
Loss rate: 21.62%
-- Flow 3:
Average throughput: 200.45 Mbit/s
95th percentile per-packet one-way delay: 37.439 ms
Loss rate: 15.64%
```

Run 7: Report of Verus — Data Link

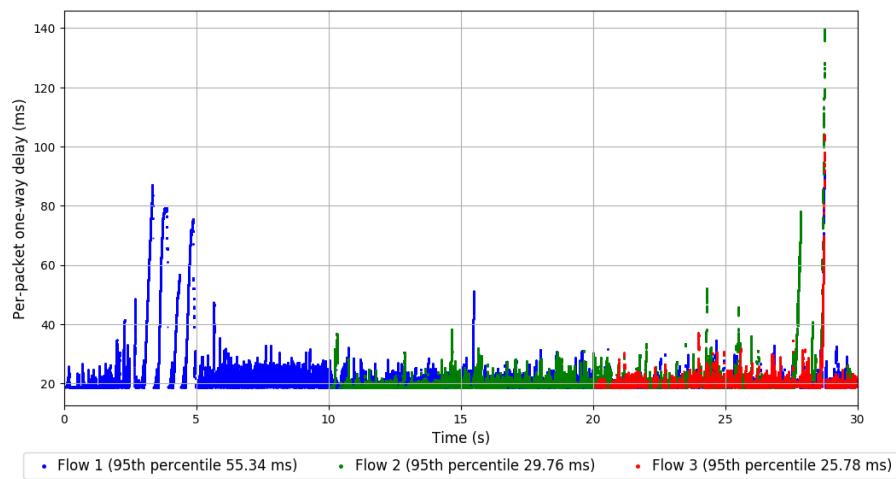
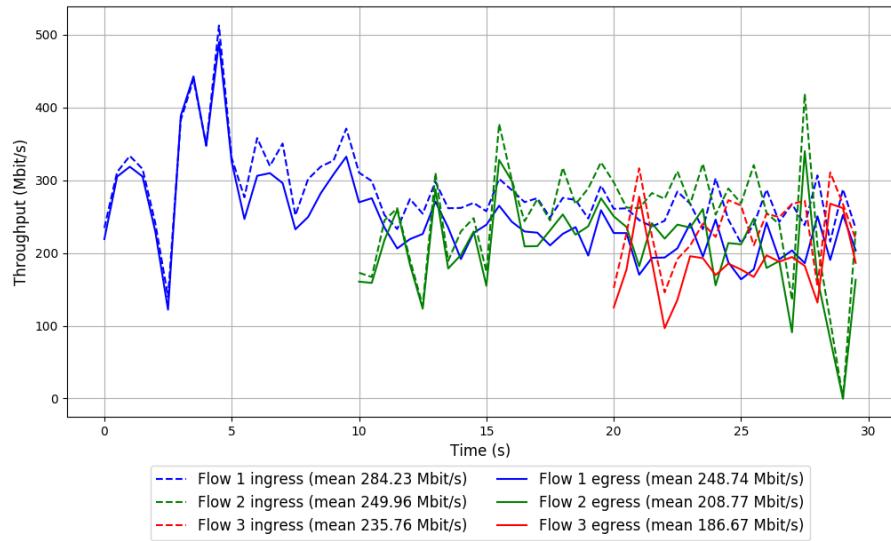


Run 8: Statistics of Verus

```
Start at: 2018-04-25 00:49:27
End at: 2018-04-25 00:49:57
Local clock offset: -0.054 ms
Remote clock offset: -5.513 ms

# Below is generated by plot.py at 2018-04-25 05:29:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 449.45 Mbit/s
95th percentile per-packet one-way delay: 38.882 ms
Loss rate: 14.97%
-- Flow 1:
Average throughput: 248.74 Mbit/s
95th percentile per-packet one-way delay: 55.345 ms
Loss rate: 12.49%
-- Flow 2:
Average throughput: 208.77 Mbit/s
95th percentile per-packet one-way delay: 29.762 ms
Loss rate: 16.47%
-- Flow 3:
Average throughput: 186.67 Mbit/s
95th percentile per-packet one-way delay: 25.778 ms
Loss rate: 20.83%
```

Run 8: Report of Verus — Data Link

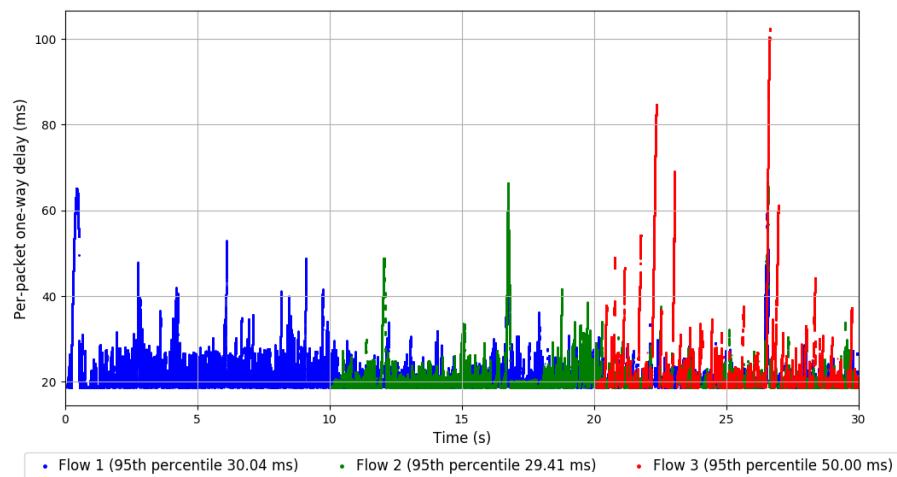
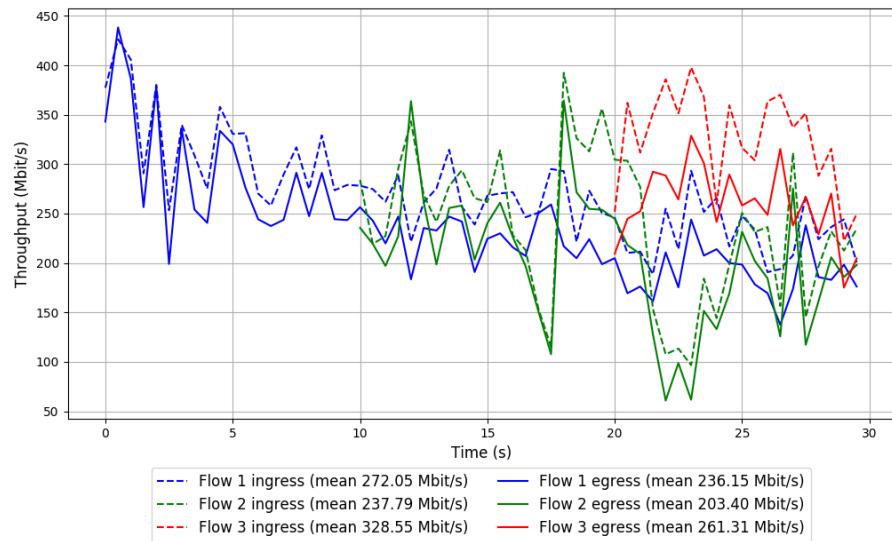


Run 9: Statistics of Verus

```
Start at: 2018-04-25 01:16:08
End at: 2018-04-25 01:16:38
Local clock offset: 0.364 ms
Remote clock offset: -5.255 ms

# Below is generated by plot.py at 2018-04-25 05:30:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 458.08 Mbit/s
95th percentile per-packet one-way delay: 34.734 ms
Loss rate: 15.02%
-- Flow 1:
Average throughput: 236.15 Mbit/s
95th percentile per-packet one-way delay: 30.042 ms
Loss rate: 13.17%
-- Flow 2:
Average throughput: 203.40 Mbit/s
95th percentile per-packet one-way delay: 29.408 ms
Loss rate: 14.46%
-- Flow 3:
Average throughput: 261.31 Mbit/s
95th percentile per-packet one-way delay: 49.998 ms
Loss rate: 20.47%
```

Run 9: Report of Verus — Data Link

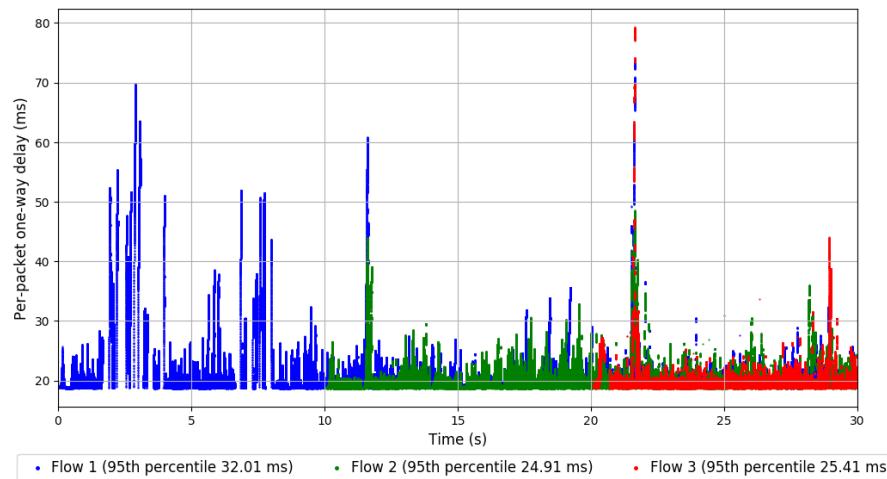
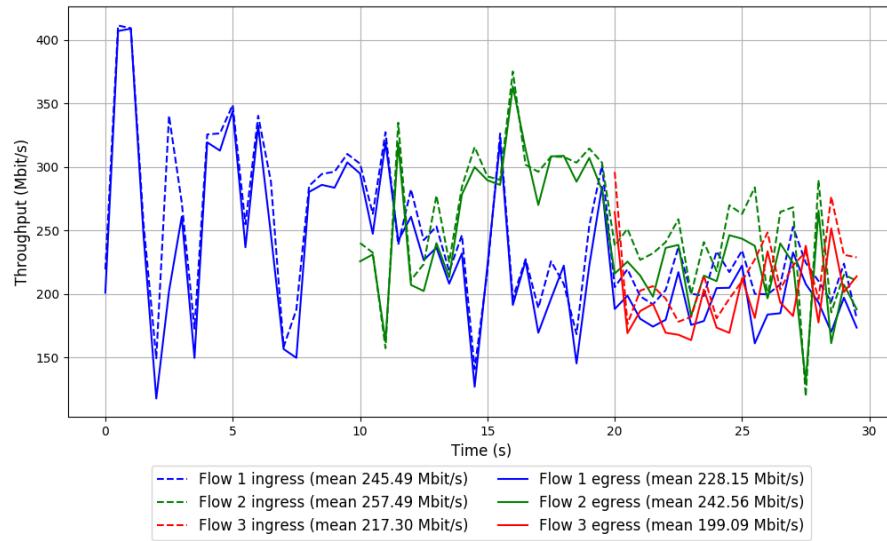


Run 10: Statistics of Verus

```
Start at: 2018-04-25 01:43:03
End at: 2018-04-25 01:43:33
Local clock offset: 0.383 ms
Remote clock offset: -6.59 ms

# Below is generated by plot.py at 2018-04-25 05:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.47 Mbit/s
95th percentile per-packet one-way delay: 27.452 ms
Loss rate: 6.81%
-- Flow 1:
Average throughput: 228.15 Mbit/s
95th percentile per-packet one-way delay: 32.009 ms
Loss rate: 7.06%
-- Flow 2:
Average throughput: 242.56 Mbit/s
95th percentile per-packet one-way delay: 24.907 ms
Loss rate: 5.79%
-- Flow 3:
Average throughput: 199.09 Mbit/s
95th percentile per-packet one-way delay: 25.406 ms
Loss rate: 8.40%
```

Run 10: Report of Verus — Data Link

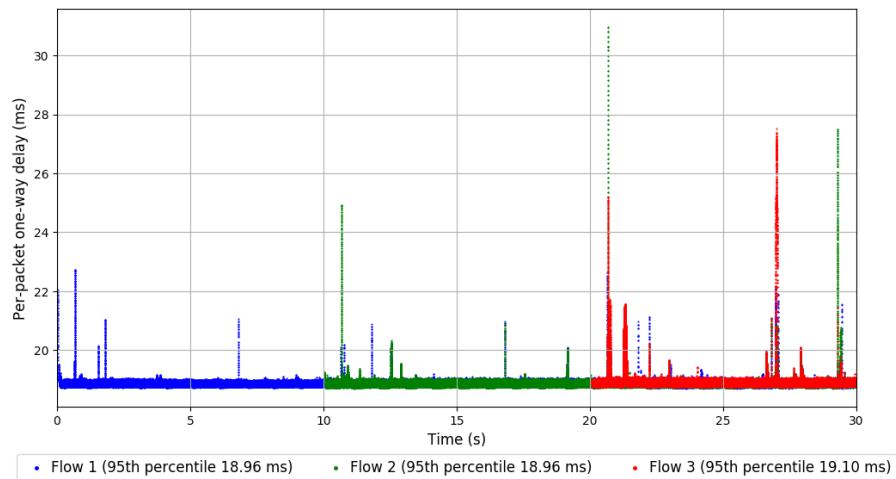
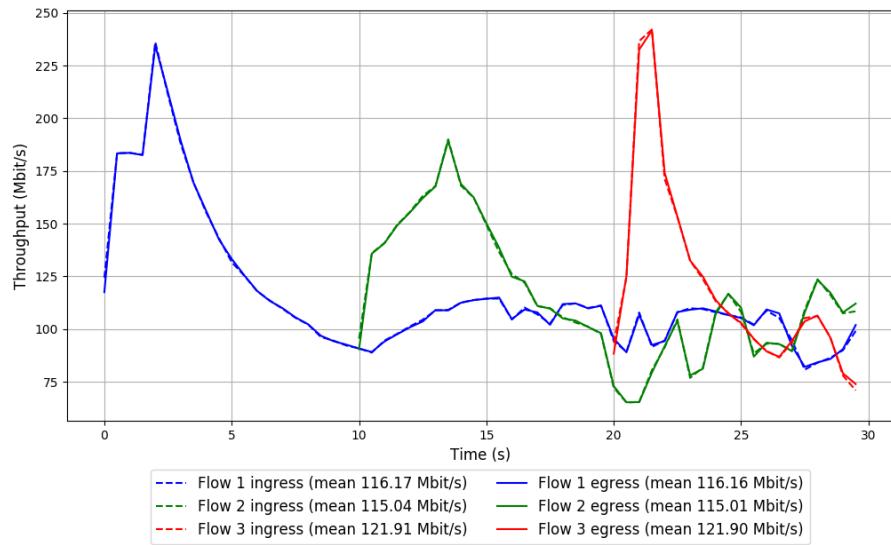


Run 1: Statistics of Copa

```
Start at: 2018-04-24 21:32:08
End at: 2018-04-24 21:32:38
Local clock offset: 0.224 ms
Remote clock offset: -5.271 ms

# Below is generated by plot.py at 2018-04-25 05:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.18 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 116.16 Mbit/s
95th percentile per-packet one-way delay: 18.957 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 115.01 Mbit/s
95th percentile per-packet one-way delay: 18.957 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 121.90 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

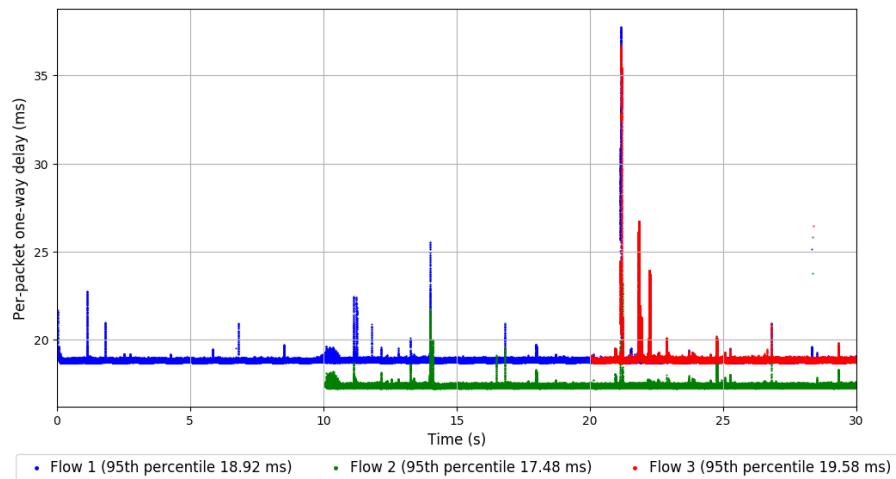
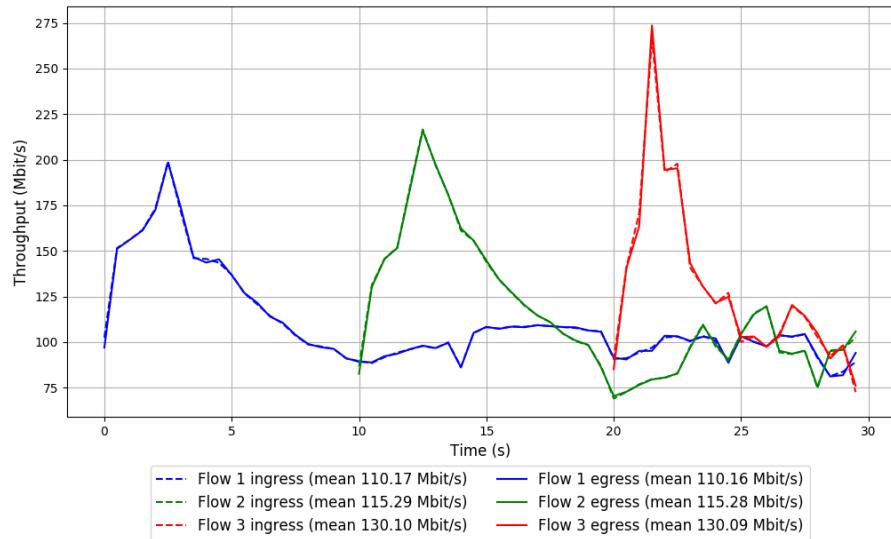


Run 2: Statistics of Copa

```
Start at: 2018-04-24 21:58:37
End at: 2018-04-24 21:59:07
Local clock offset: 0.149 ms
Remote clock offset: -5.518 ms

# Below is generated by plot.py at 2018-04-25 05:32:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 230.05 Mbit/s
95th percentile per-packet one-way delay: 18.926 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 110.16 Mbit/s
95th percentile per-packet one-way delay: 18.924 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.28 Mbit/s
95th percentile per-packet one-way delay: 17.479 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 130.09 Mbit/s
95th percentile per-packet one-way delay: 19.581 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link

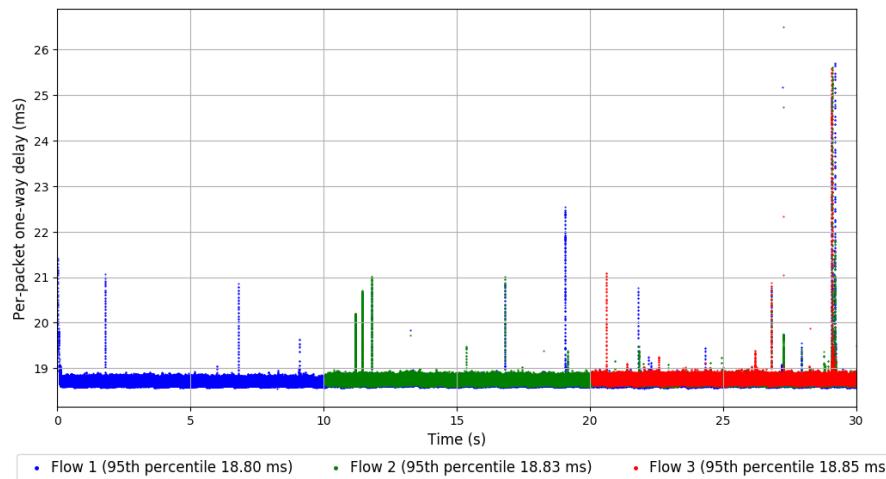
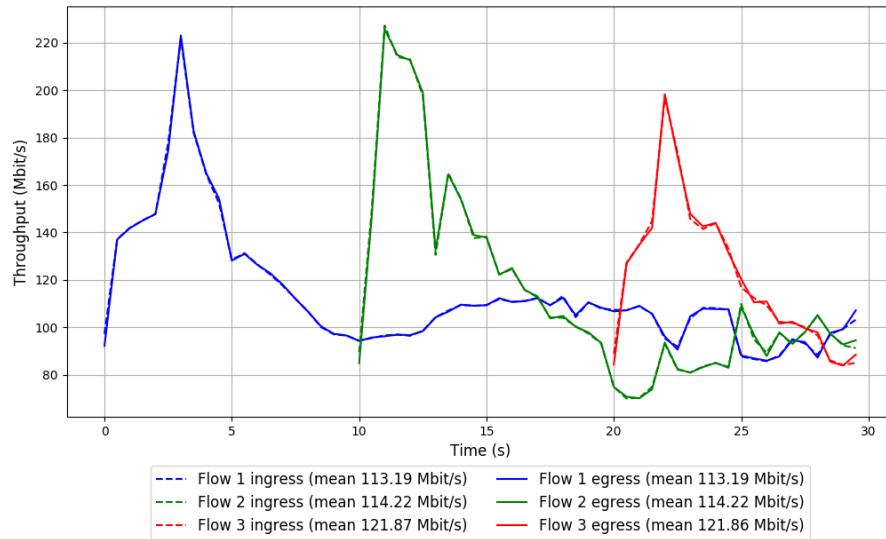


Run 3: Statistics of Copa

```
Start at: 2018-04-24 22:25:19
End at: 2018-04-24 22:25:49
Local clock offset: 0.0 ms
Remote clock offset: -5.933 ms

# Below is generated by plot.py at 2018-04-25 05:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 229.70 Mbit/s
95th percentile per-packet one-way delay: 18.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.19 Mbit/s
95th percentile per-packet one-way delay: 18.799 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.22 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.86 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

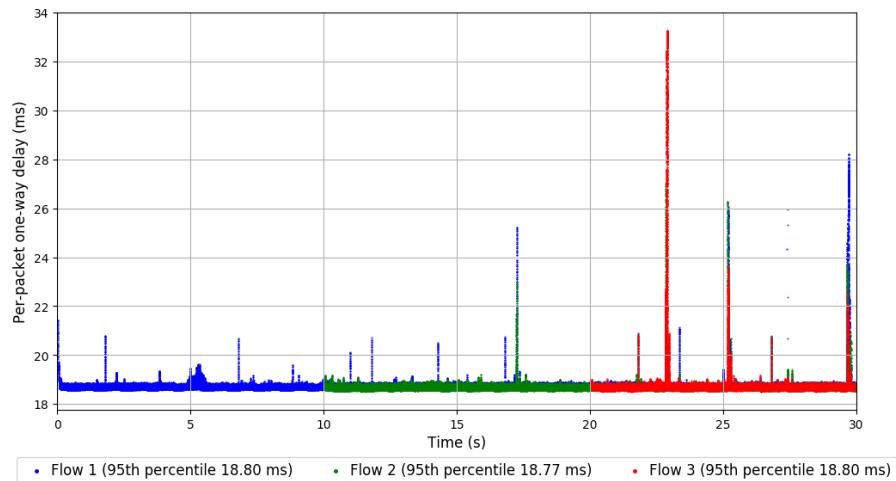
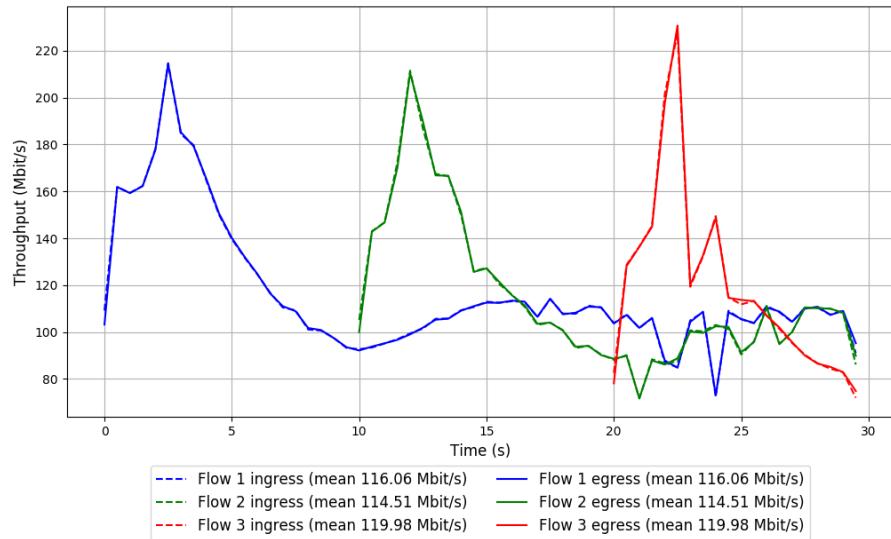


Run 4: Statistics of Copa

```
Start at: 2018-04-24 22:52:00
End at: 2018-04-24 22:52:30
Local clock offset: 0.031 ms
Remote clock offset: -5.606 ms

# Below is generated by plot.py at 2018-04-25 05:35:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 232.08 Mbit/s
95th percentile per-packet one-way delay: 18.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.06 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.51 Mbit/s
95th percentile per-packet one-way delay: 18.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.98 Mbit/s
95th percentile per-packet one-way delay: 18.805 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

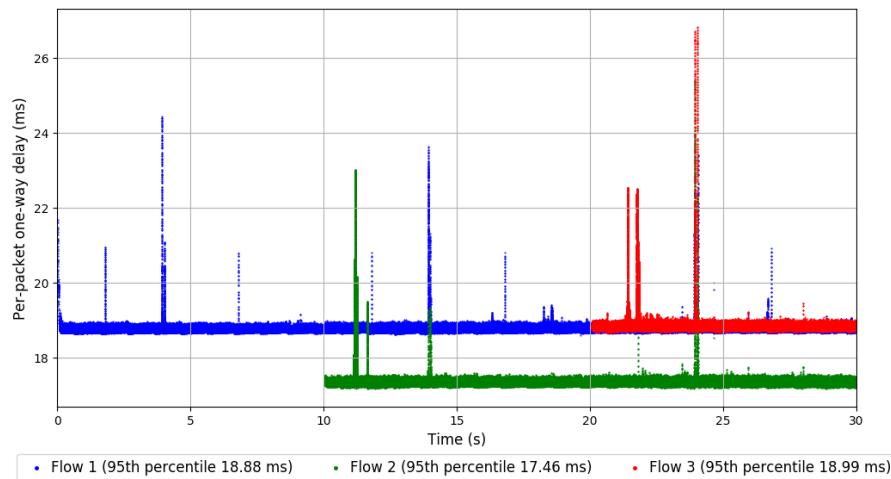
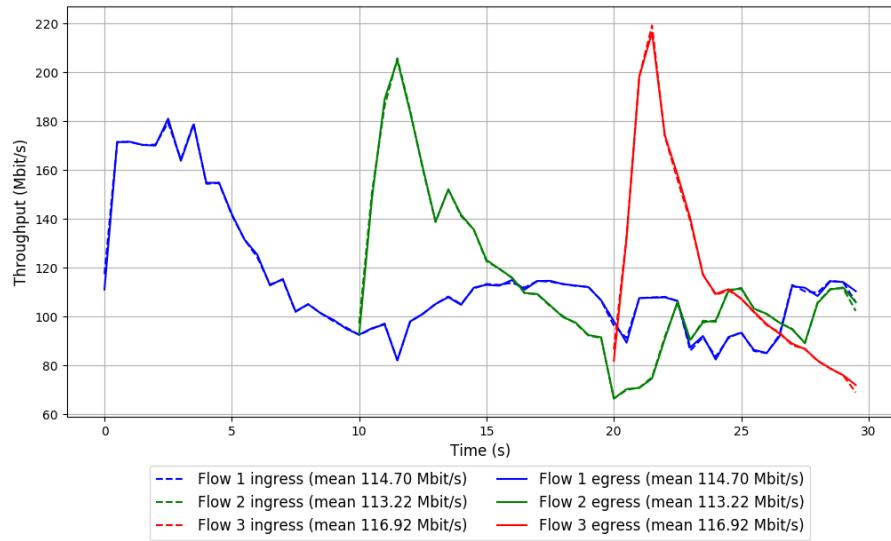


Run 5: Statistics of Copa

```
Start at: 2018-04-24 23:18:43
End at: 2018-04-24 23:19:13
Local clock offset: 0.091 ms
Remote clock offset: -6.466 ms

# Below is generated by plot.py at 2018-04-25 05:35:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.83 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.70 Mbit/s
95th percentile per-packet one-way delay: 18.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 113.22 Mbit/s
95th percentile per-packet one-way delay: 17.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.92 Mbit/s
95th percentile per-packet one-way delay: 18.987 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

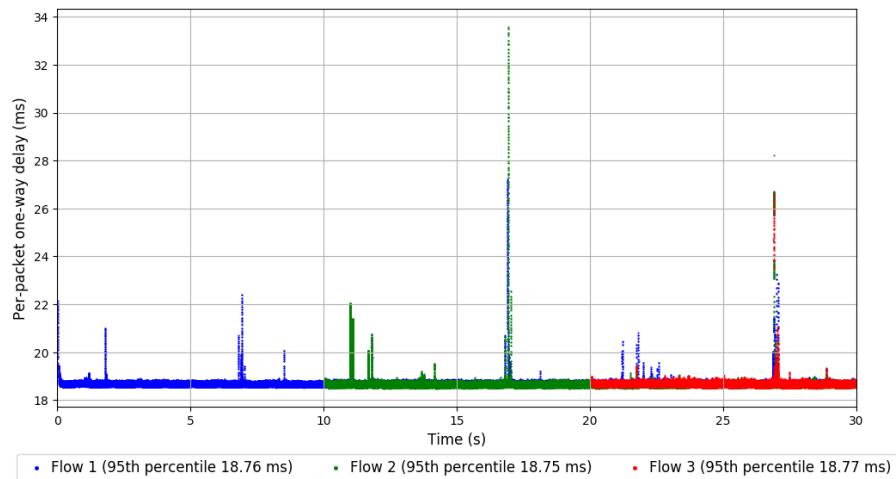
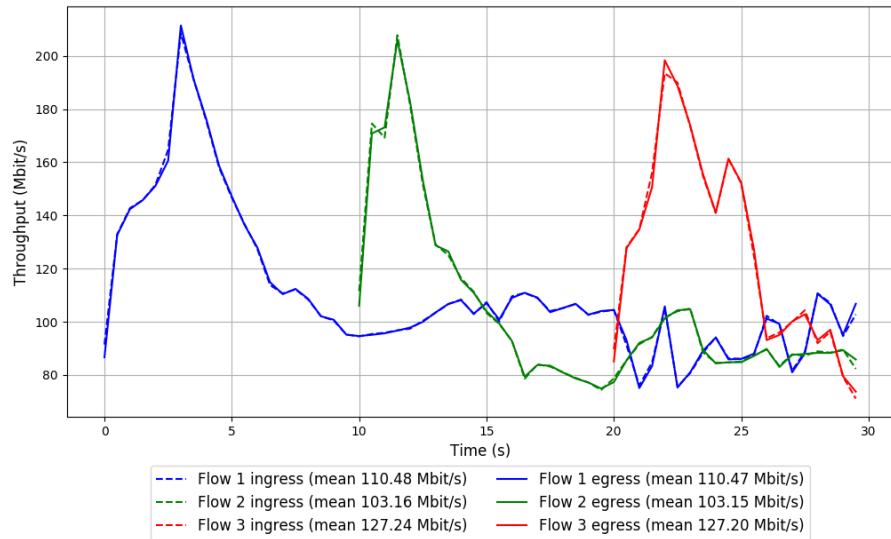


Run 6: Statistics of Copa

```
Start at: 2018-04-24 23:45:19
End at: 2018-04-24 23:45:49
Local clock offset: 0.577 ms
Remote clock offset: -5.977 ms

# Below is generated by plot.py at 2018-04-25 05:35:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.38 Mbit/s
95th percentile per-packet one-way delay: 18.760 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 110.47 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 103.15 Mbit/s
95th percentile per-packet one-way delay: 18.750 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 127.20 Mbit/s
95th percentile per-packet one-way delay: 18.774 ms
Loss rate: 0.04%
```

Run 6: Report of Copa — Data Link

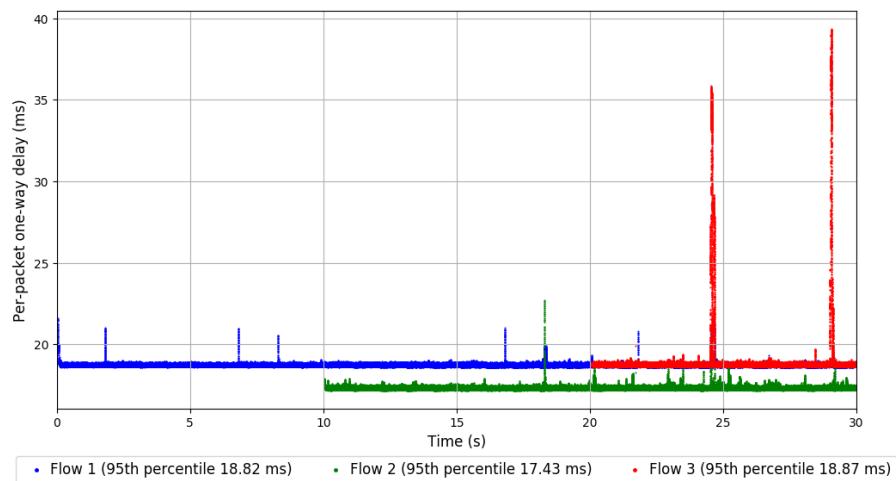
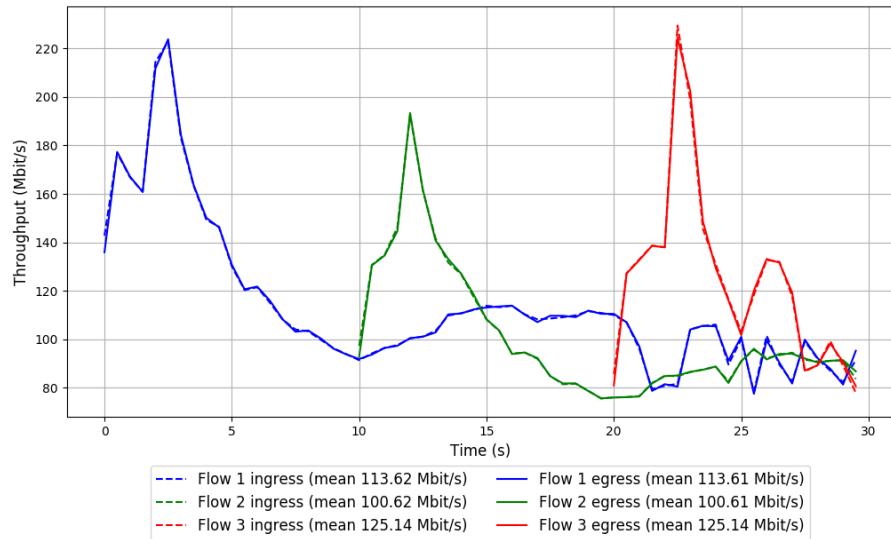


Run 7: Statistics of Copa

```
Start at: 2018-04-25 00:11:48
End at: 2018-04-25 00:12:18
Local clock offset: -0.049 ms
Remote clock offset: -5.579 ms

# Below is generated by plot.py at 2018-04-25 05:37:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.15 Mbit/s
95th percentile per-packet one-way delay: 18.818 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.61 Mbit/s
95th percentile per-packet one-way delay: 18.823 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 100.61 Mbit/s
95th percentile per-packet one-way delay: 17.427 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 125.14 Mbit/s
95th percentile per-packet one-way delay: 18.872 ms
Loss rate: 0.01%
```

Run 7: Report of Copa — Data Link

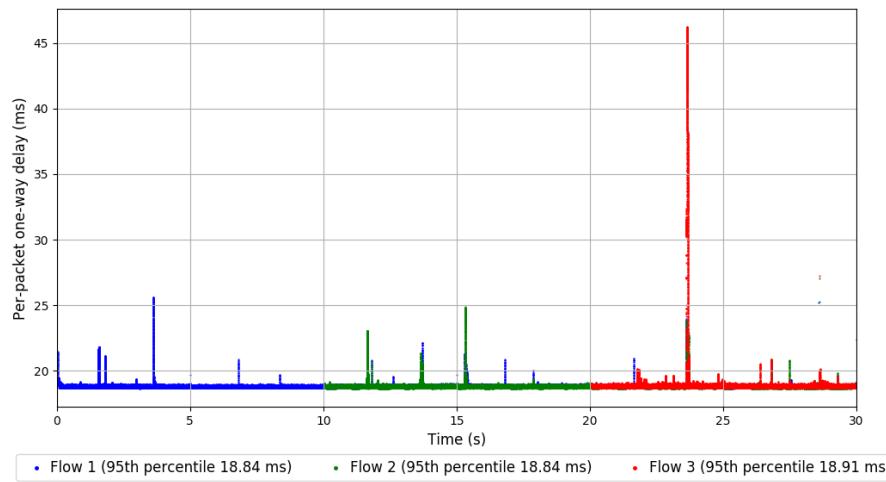
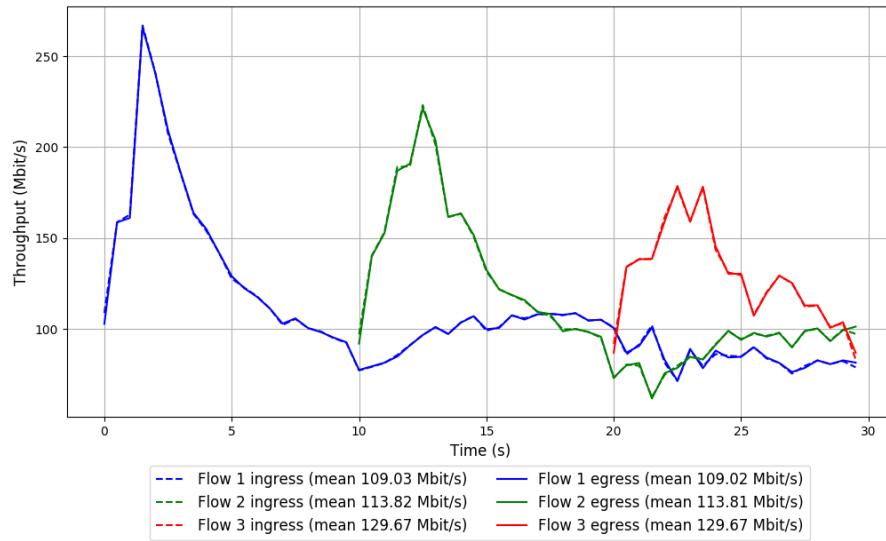


Run 8: Statistics of Copa

```
Start at: 2018-04-25 00:38:12
End at: 2018-04-25 00:38:42
Local clock offset: -0.033 ms
Remote clock offset: -5.6 ms

# Below is generated by plot.py at 2018-04-25 05:37:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 227.83 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.02 Mbit/s
95th percentile per-packet one-way delay: 18.843 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 113.81 Mbit/s
95th percentile per-packet one-way delay: 18.840 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.67 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

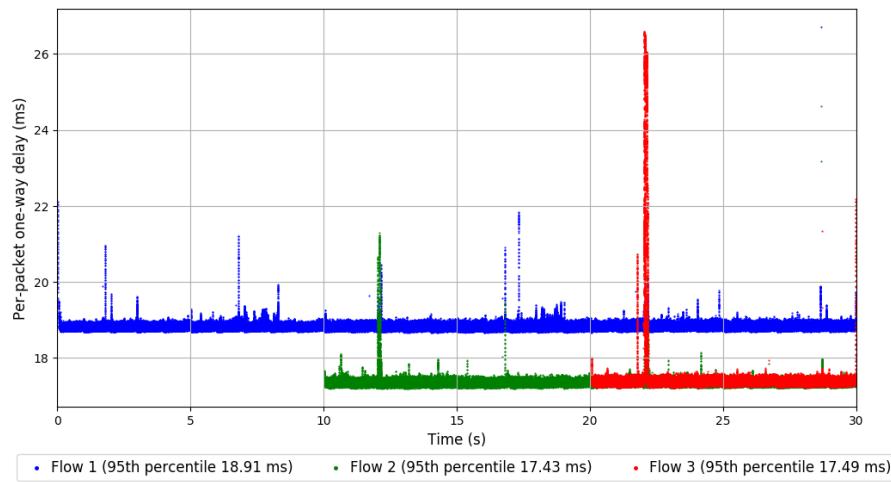
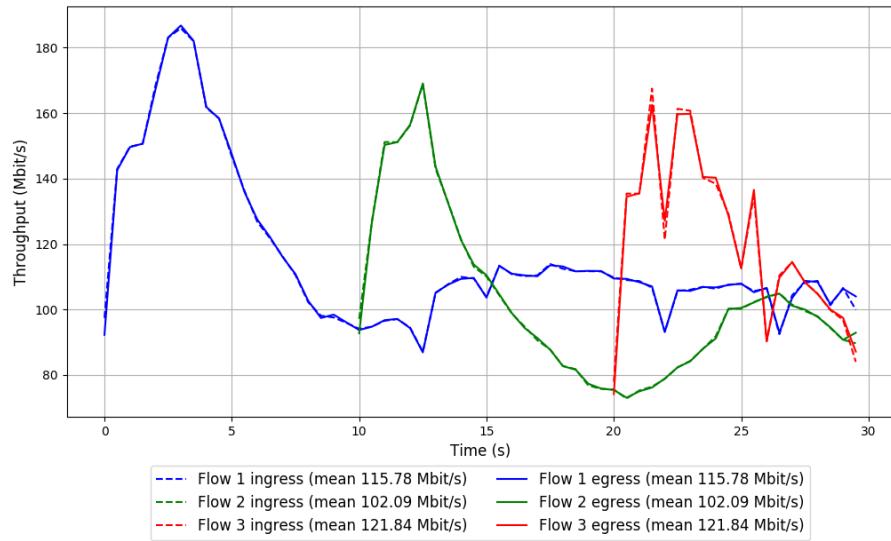


Run 9: Statistics of Copa

```
Start at: 2018-04-25 01:05:03
End at: 2018-04-25 01:05:33
Local clock offset: 0.139 ms
Remote clock offset: -5.402 ms

# Below is generated by plot.py at 2018-04-25 05:37:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 224.21 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.78 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.09 Mbit/s
95th percentile per-packet one-way delay: 17.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.84 Mbit/s
95th percentile per-packet one-way delay: 17.488 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

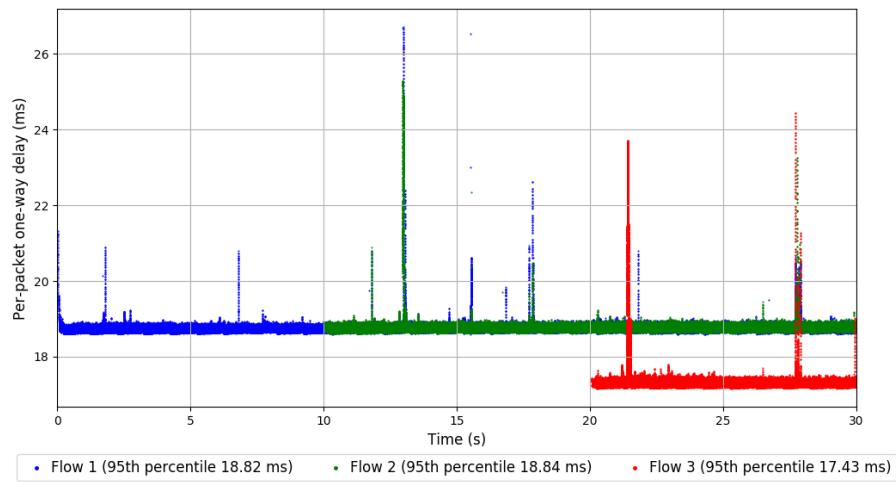
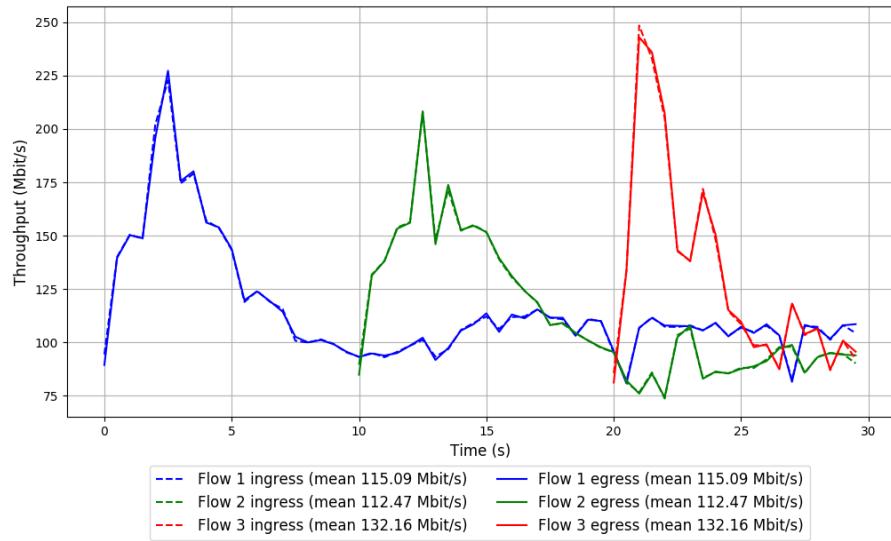


Run 10: Statistics of Copa

```
Start at: 2018-04-25 01:31:47
End at: 2018-04-25 01:32:17
Local clock offset: 0.415 ms
Remote clock offset: -6.369 ms

# Below is generated by plot.py at 2018-04-25 05:38:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.78 Mbit/s
95th percentile per-packet one-way delay: 18.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.09 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.47 Mbit/s
95th percentile per-packet one-way delay: 18.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.16 Mbit/s
95th percentile per-packet one-way delay: 17.433 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

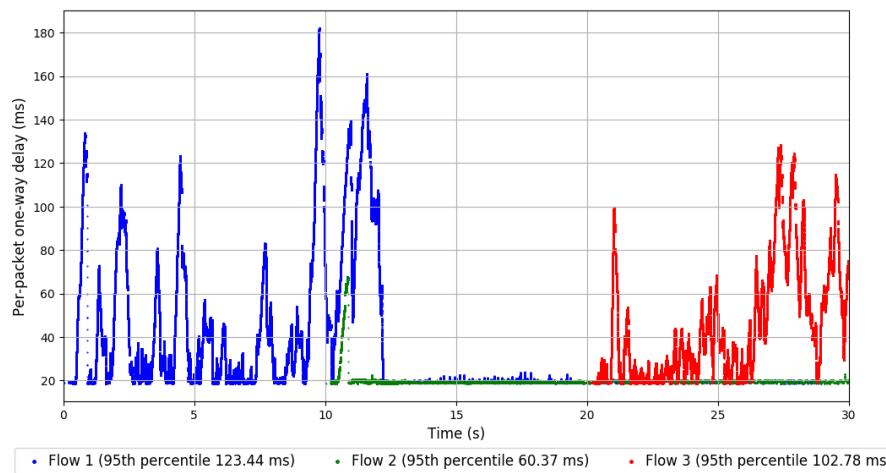
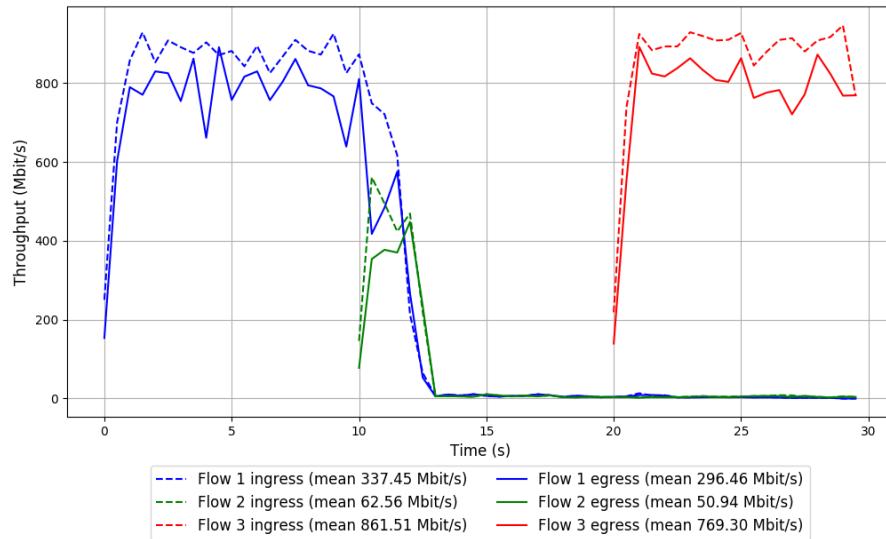


```
Run 1: Statistics of FillP

Start at: 2018-04-24 21:30:29
End at: 2018-04-24 21:30:59
Local clock offset: 0.29 ms
Remote clock offset: -5.252 ms

# Below is generated by plot.py at 2018-04-25 05:43:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 585.29 Mbit/s
95th percentile per-packet one-way delay: 112.017 ms
Loss rate: 11.92%
-- Flow 1:
Average throughput: 296.46 Mbit/s
95th percentile per-packet one-way delay: 123.438 ms
Loss rate: 12.15%
-- Flow 2:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 60.374 ms
Loss rate: 18.56%
-- Flow 3:
Average throughput: 769.30 Mbit/s
95th percentile per-packet one-way delay: 102.779 ms
Loss rate: 10.69%
```

Run 1: Report of FillP — Data Link

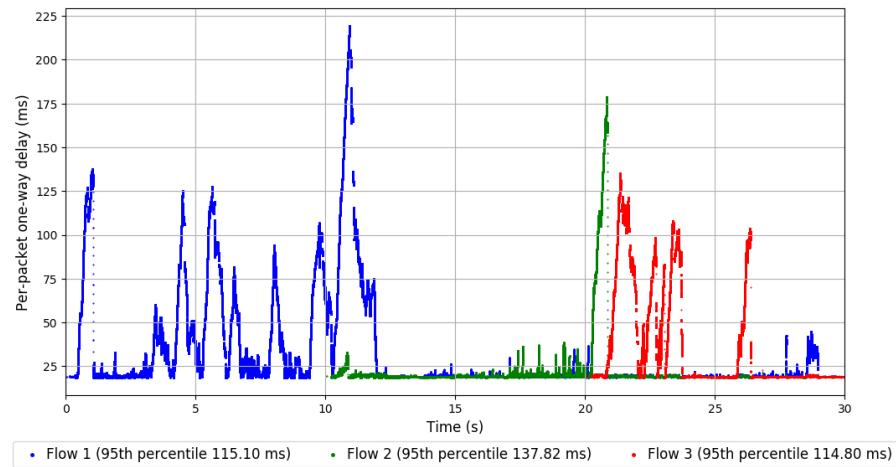
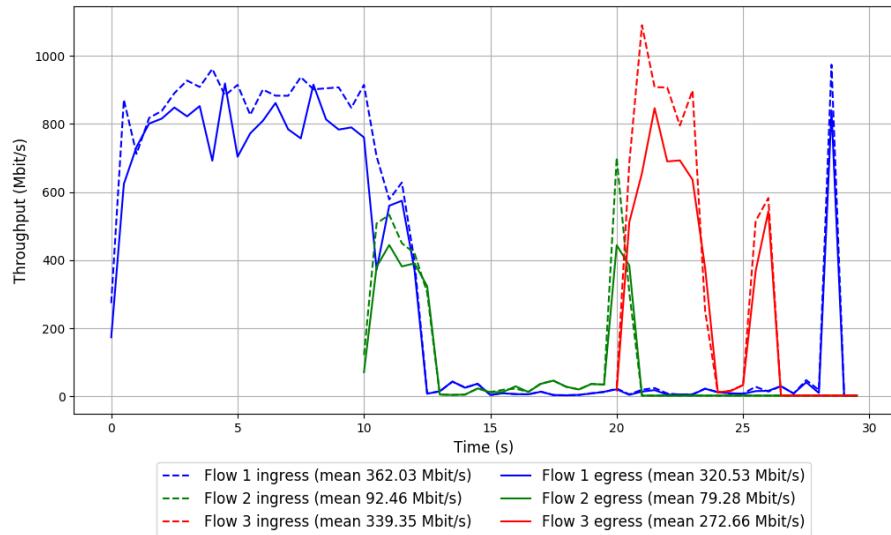


Run 2: Statistics of FillP

```
Start at: 2018-04-24 21:57:01
End at: 2018-04-24 21:57:31
Local clock offset: 0.235 ms
Remote clock offset: -5.483 ms

# Below is generated by plot.py at 2018-04-25 05:43:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 463.64 Mbit/s
95th percentile per-packet one-way delay: 115.599 ms
Loss rate: 13.50%
-- Flow 1:
Average throughput: 320.53 Mbit/s
95th percentile per-packet one-way delay: 115.102 ms
Loss rate: 11.46%
-- Flow 2:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 137.819 ms
Loss rate: 14.25%
-- Flow 3:
Average throughput: 272.66 Mbit/s
95th percentile per-packet one-way delay: 114.800 ms
Loss rate: 19.65%
```

Run 2: Report of FillP — Data Link

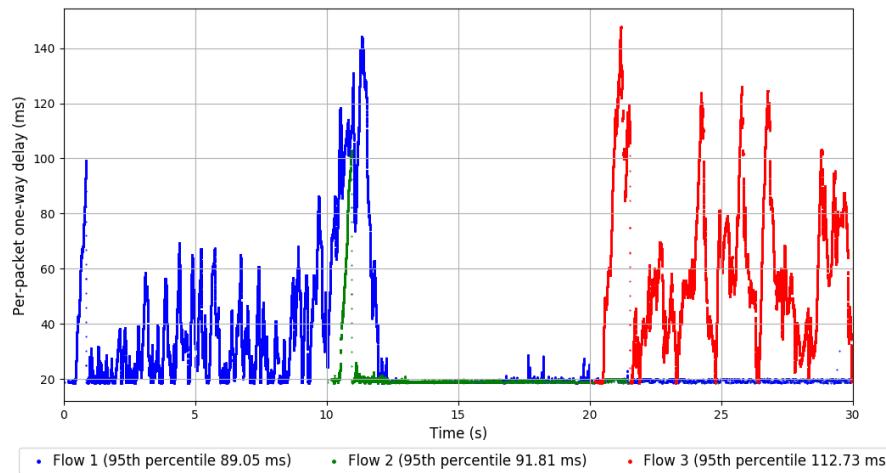
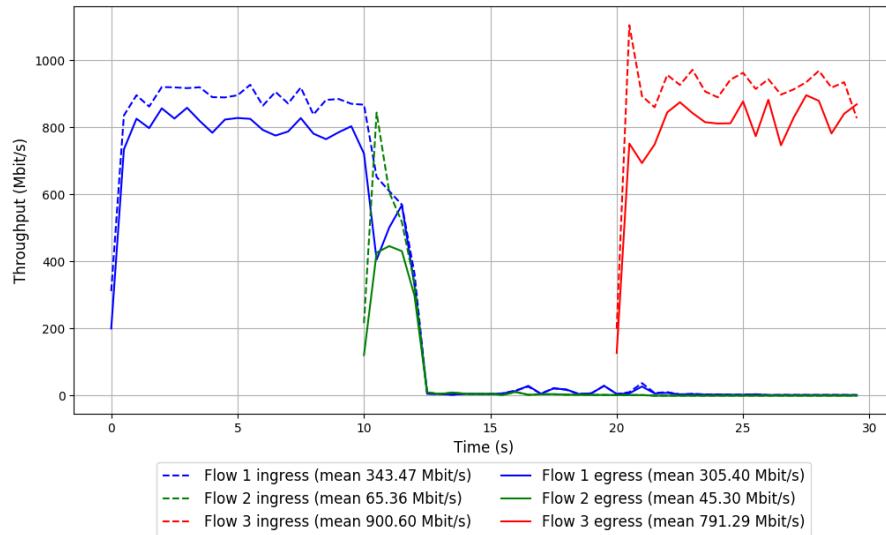


Run 3: Statistics of FillP

```
Start at: 2018-04-24 22:23:38
End at: 2018-04-24 22:24:08
Local clock offset: 0.02 ms
Remote clock offset: -5.907 ms

# Below is generated by plot.py at 2018-04-25 05:45:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 597.73 Mbit/s
95th percentile per-packet one-way delay: 106.635 ms
Loss rate: 12.78%
-- Flow 1:
Average throughput: 305.40 Mbit/s
95th percentile per-packet one-way delay: 89.054 ms
Loss rate: 11.08%
-- Flow 2:
Average throughput: 45.30 Mbit/s
95th percentile per-packet one-way delay: 91.807 ms
Loss rate: 30.69%
-- Flow 3:
Average throughput: 791.29 Mbit/s
95th percentile per-packet one-way delay: 112.729 ms
Loss rate: 12.14%
```

Run 3: Report of FillP — Data Link

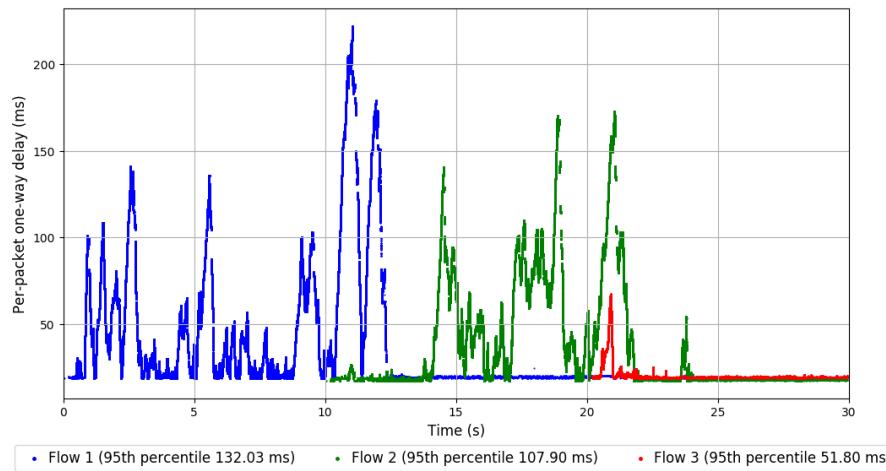
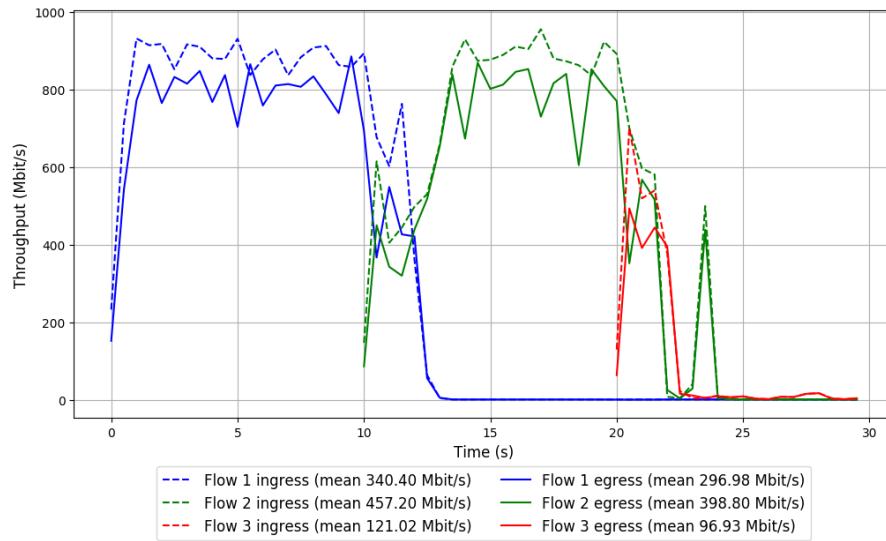


Run 4: Statistics of FillP

```
Start at: 2018-04-24 22:50:19
End at: 2018-04-24 22:50:49
Local clock offset: -0.079 ms
Remote clock offset: -5.598 ms

# Below is generated by plot.py at 2018-04-25 05:45:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 594.55 Mbit/s
95th percentile per-packet one-way delay: 120.971 ms
Loss rate: 13.18%
-- Flow 1:
Average throughput: 296.98 Mbit/s
95th percentile per-packet one-way delay: 132.032 ms
Loss rate: 12.76%
-- Flow 2:
Average throughput: 398.80 Mbit/s
95th percentile per-packet one-way delay: 107.901 ms
Loss rate: 12.77%
-- Flow 3:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 19.90%
```

Run 4: Report of FillP — Data Link

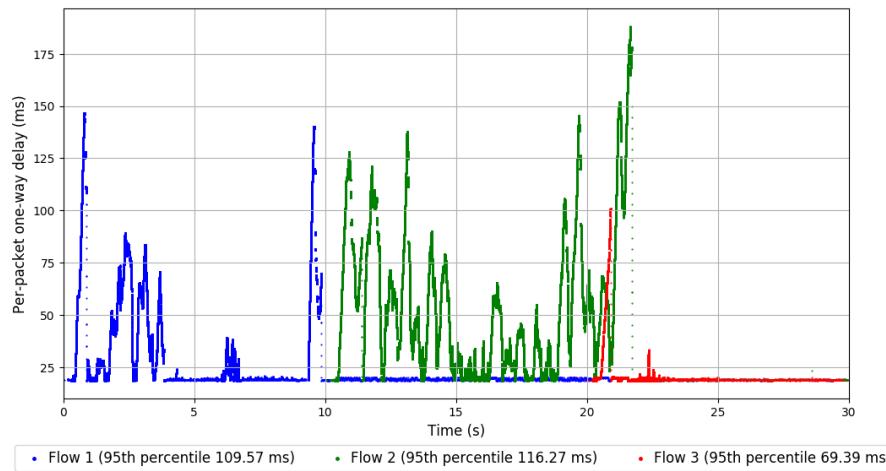
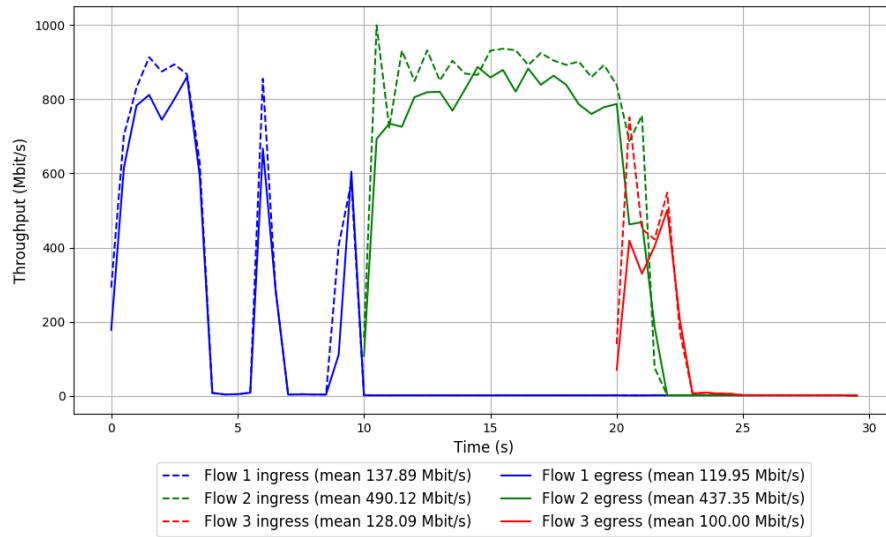


Run 5: Statistics of FillP

```
Start at: 2018-04-24 23:17:08
End at: 2018-04-24 23:17:38
Local clock offset: 0.138 ms
Remote clock offset: -6.405 ms

# Below is generated by plot.py at 2018-04-25 05:45:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 444.10 Mbit/s
95th percentile per-packet one-way delay: 113.879 ms
Loss rate: 12.31%
-- Flow 1:
Average throughput: 119.95 Mbit/s
95th percentile per-packet one-way delay: 109.572 ms
Loss rate: 13.01%
-- Flow 2:
Average throughput: 437.35 Mbit/s
95th percentile per-packet one-way delay: 116.273 ms
Loss rate: 10.77%
-- Flow 3:
Average throughput: 100.00 Mbit/s
95th percentile per-packet one-way delay: 69.394 ms
Loss rate: 21.93%
```

Run 5: Report of FillP — Data Link

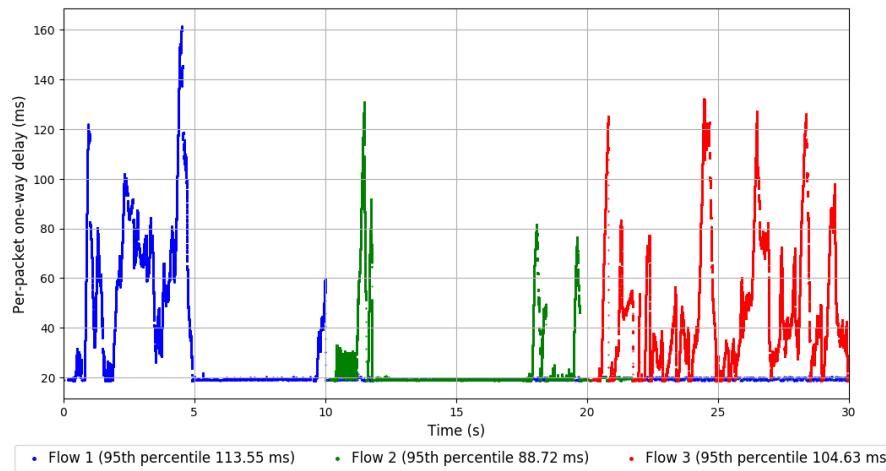
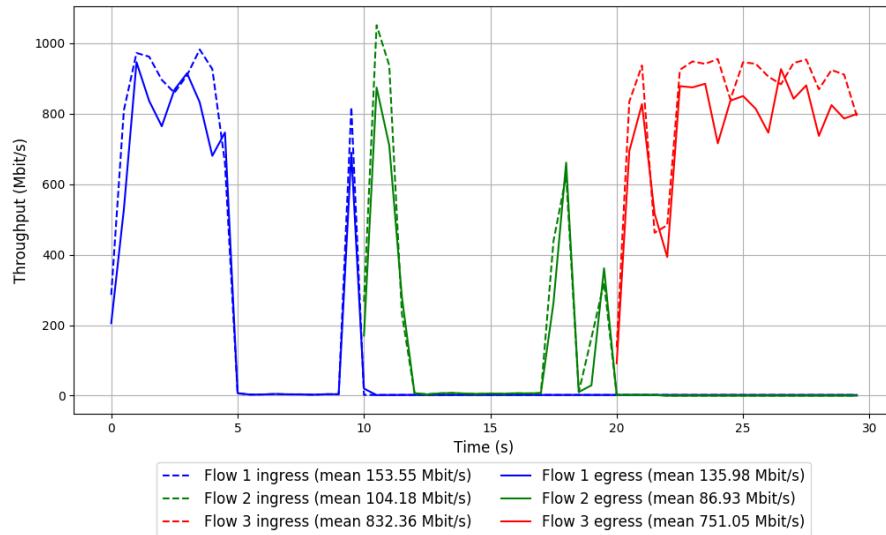


Run 6: Statistics of FillP

```
Start at: 2018-04-24 23:43:45
End at: 2018-04-24 23:44:15
Local clock offset: 0.45 ms
Remote clock offset: -5.949 ms

# Below is generated by plot.py at 2018-04-25 05:45:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.33 Mbit/s
95th percentile per-packet one-way delay: 108.039 ms
Loss rate: 11.22%
-- Flow 1:
Average throughput: 135.98 Mbit/s
95th percentile per-packet one-way delay: 113.549 ms
Loss rate: 11.45%
-- Flow 2:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 88.715 ms
Loss rate: 16.55%
-- Flow 3:
Average throughput: 751.05 Mbit/s
95th percentile per-packet one-way delay: 104.633 ms
Loss rate: 9.77%
```

Run 6: Report of FillP — Data Link

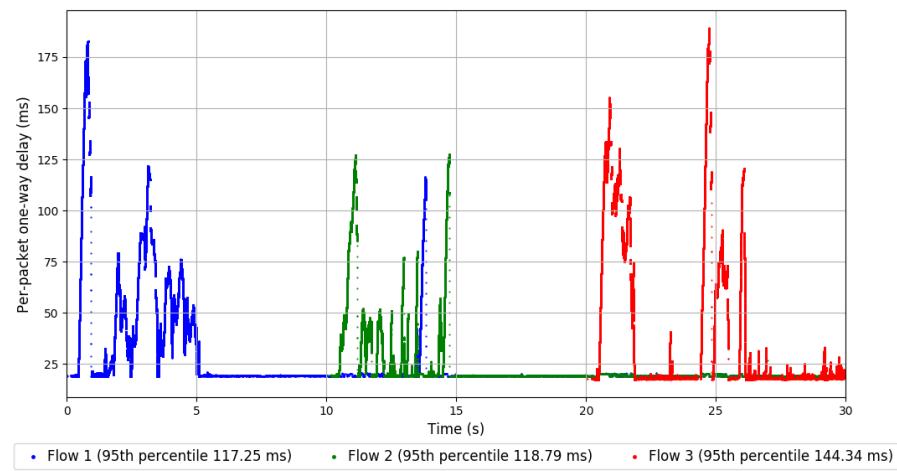
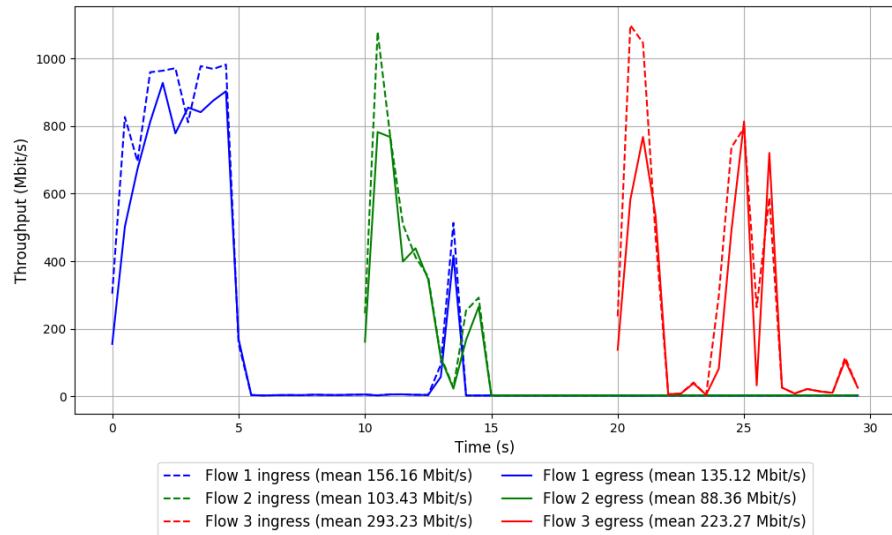


Run 7: Statistics of FillP

```
Start at: 2018-04-25 00:10:18
End at: 2018-04-25 00:10:48
Local clock offset: -0.033 ms
Remote clock offset: -5.491 ms

# Below is generated by plot.py at 2018-04-25 05:45:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 267.86 Mbit/s
95th percentile per-packet one-way delay: 125.248 ms
Loss rate: 16.84%
-- Flow 1:
Average throughput: 135.12 Mbit/s
95th percentile per-packet one-way delay: 117.250 ms
Loss rate: 13.49%
-- Flow 2:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: 118.791 ms
Loss rate: 14.57%
-- Flow 3:
Average throughput: 223.27 Mbit/s
95th percentile per-packet one-way delay: 144.337 ms
Loss rate: 23.86%
```

Run 7: Report of FillP — Data Link

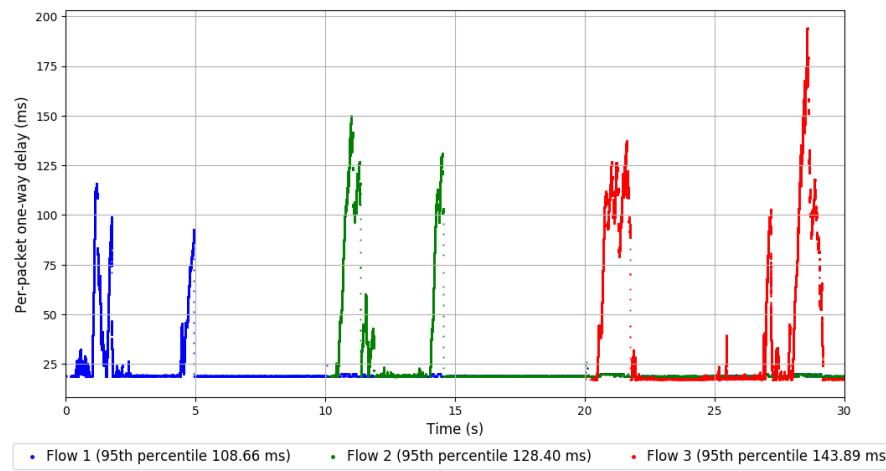
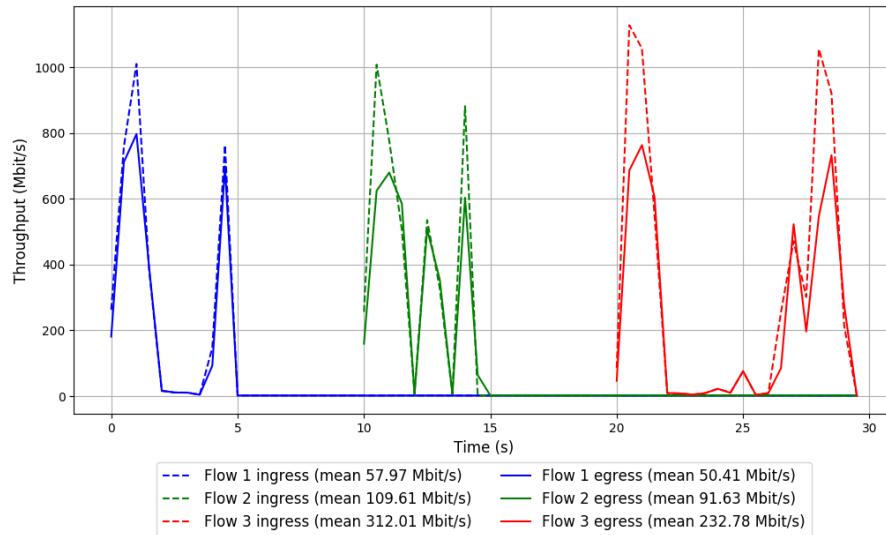


Run 8: Statistics of FillP

```
Start at: 2018-04-25 00:36:45
End at: 2018-04-25 00:37:15
Local clock offset: 0.028 ms
Remote clock offset: -5.586 ms

# Below is generated by plot.py at 2018-04-25 05:45:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 188.54 Mbit/s
95th percentile per-packet one-way delay: 127.415 ms
Loss rate: 19.54%
-- Flow 1:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 108.661 ms
Loss rate: 13.04%
-- Flow 2:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 128.400 ms
Loss rate: 16.40%
-- Flow 3:
Average throughput: 232.78 Mbit/s
95th percentile per-packet one-way delay: 143.893 ms
Loss rate: 25.39%
```

Run 8: Report of FillP — Data Link

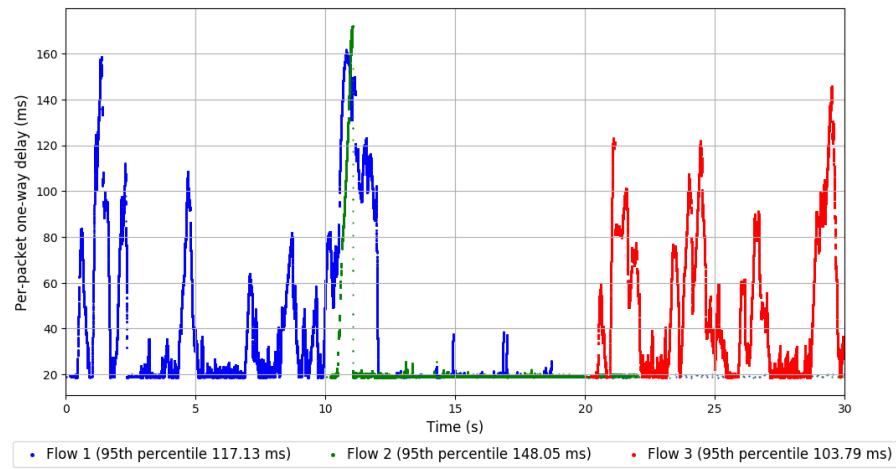
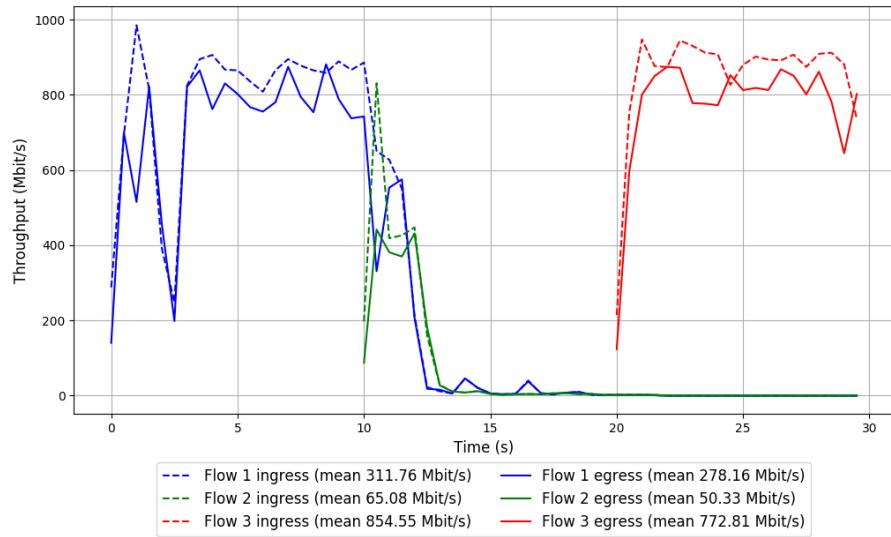


Run 9: Statistics of FillP

```
Start at: 2018-04-25 01:03:25
End at: 2018-04-25 01:03:55
Local clock offset: 0.081 ms
Remote clock offset: -5.424 ms

# Below is generated by plot.py at 2018-04-25 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 567.77 Mbit/s
95th percentile per-packet one-way delay: 115.321 ms
Loss rate: 11.04%
-- Flow 1:
Average throughput: 278.16 Mbit/s
95th percentile per-packet one-way delay: 117.126 ms
Loss rate: 10.77%
-- Flow 2:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 148.049 ms
Loss rate: 22.66%
-- Flow 3:
Average throughput: 772.81 Mbit/s
95th percentile per-packet one-way delay: 103.789 ms
Loss rate: 9.55%
```

Run 9: Report of FillP — Data Link

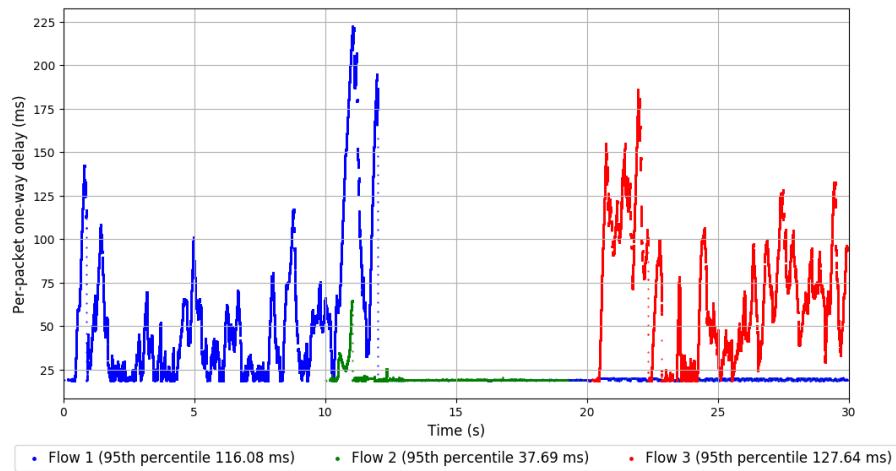
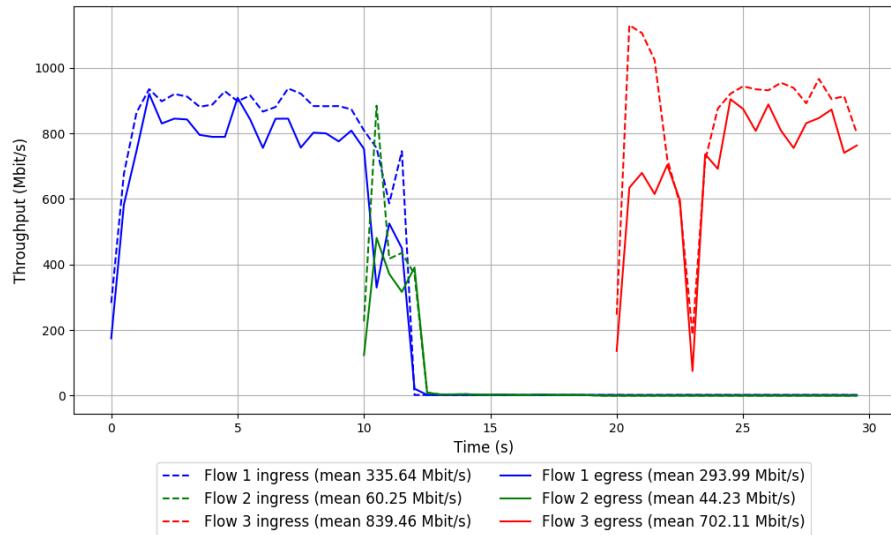


Run 10: Statistics of FillP

```
Start at: 2018-04-25 01:30:08
End at: 2018-04-25 01:30:38
Local clock offset: 0.458 ms
Remote clock offset: -6.188 ms

# Below is generated by plot.py at 2018-04-25 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 555.92 Mbit/s
95th percentile per-packet one-way delay: 124.517 ms
Loss rate: 15.00%
-- Flow 1:
Average throughput: 293.99 Mbit/s
95th percentile per-packet one-way delay: 116.077 ms
Loss rate: 12.41%
-- Flow 2:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 37.687 ms
Loss rate: 27.35%
-- Flow 3:
Average throughput: 702.11 Mbit/s
95th percentile per-packet one-way delay: 127.641 ms
Loss rate: 16.36%
```

Run 10: Report of FillP — Data Link

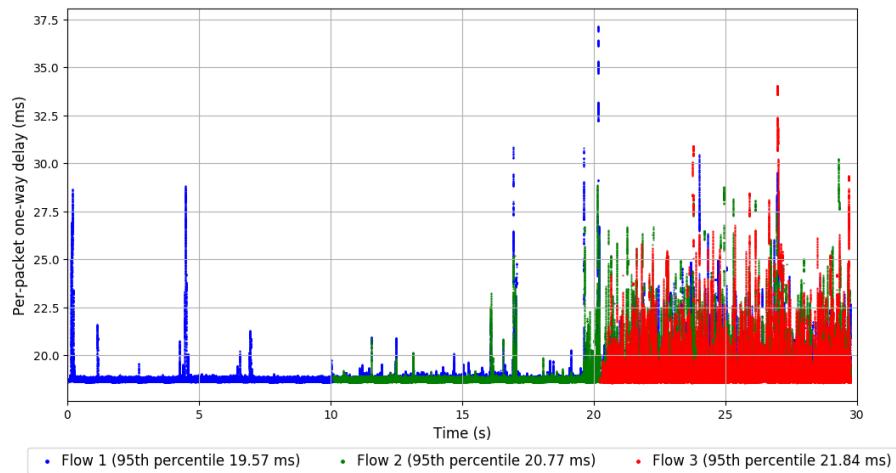
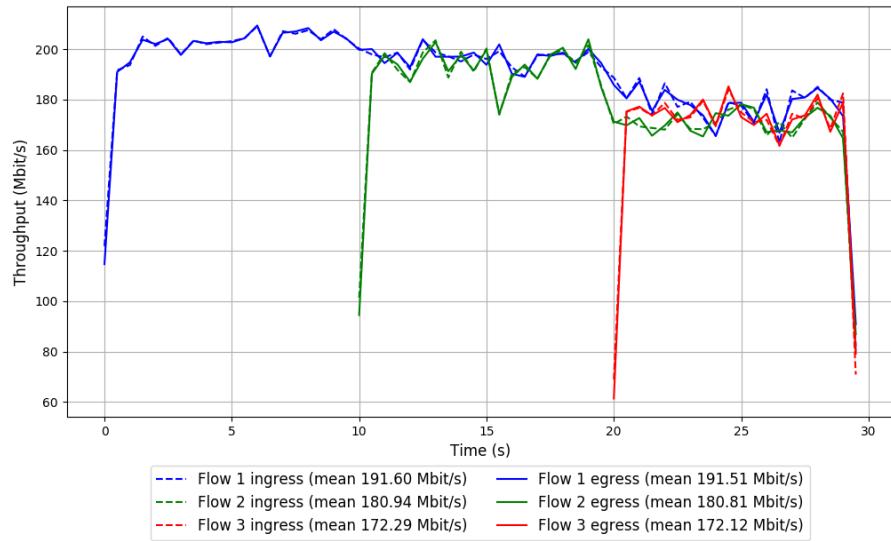


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-04-24 21:48:01
End at: 2018-04-24 21:48:31
Local clock offset: 0.249 ms
Remote clock offset: -5.386 ms

# Below is generated by plot.py at 2018-04-25 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.16 Mbit/s
95th percentile per-packet one-way delay: 20.450 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 191.51 Mbit/s
95th percentile per-packet one-way delay: 19.569 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 180.81 Mbit/s
95th percentile per-packet one-way delay: 20.771 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 172.12 Mbit/s
95th percentile per-packet one-way delay: 21.838 ms
Loss rate: 0.10%
```

Run 1: Report of Indigo-1-32 — Data Link

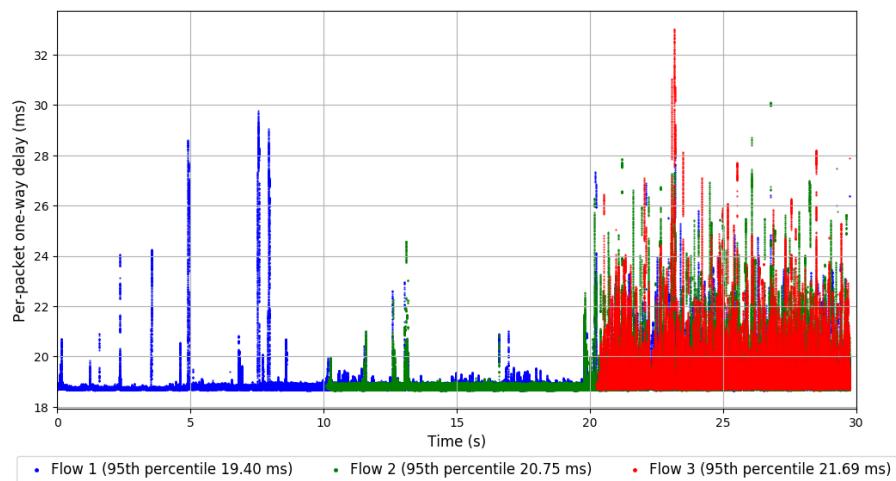
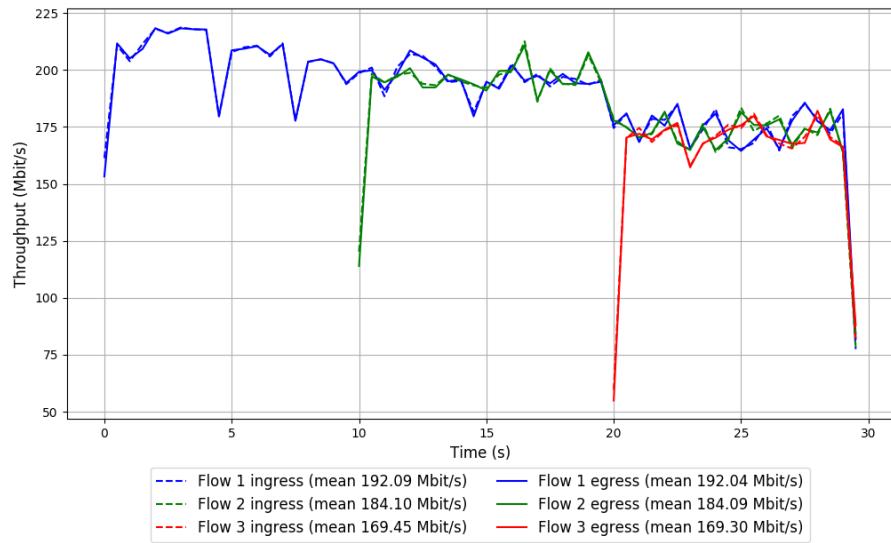


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-04-24 22:14:34
End at: 2018-04-24 22:15:05
Local clock offset: -0.014 ms
Remote clock offset: -5.81 ms

# Below is generated by plot.py at 2018-04-25 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 367.83 Mbit/s
95th percentile per-packet one-way delay: 20.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.04 Mbit/s
95th percentile per-packet one-way delay: 19.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.09 Mbit/s
95th percentile per-packet one-way delay: 20.750 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.30 Mbit/s
95th percentile per-packet one-way delay: 21.693 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-1-32 — Data Link

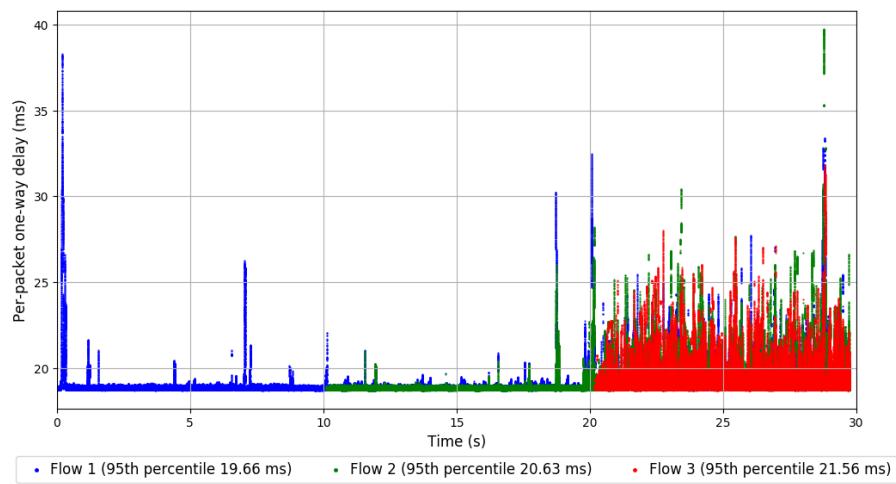
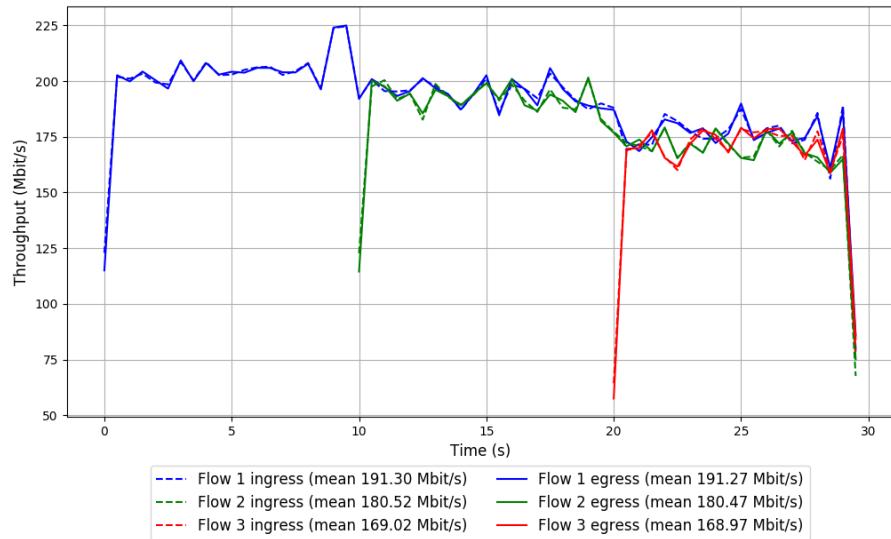


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-04-24 22:41:18
End at: 2018-04-24 22:41:48
Local clock offset: -0.108 ms
Remote clock offset: -5.61 ms

# Below is generated by plot.py at 2018-04-25 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.06 Mbit/s
95th percentile per-packet one-way delay: 20.413 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.27 Mbit/s
95th percentile per-packet one-way delay: 19.661 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 180.47 Mbit/s
95th percentile per-packet one-way delay: 20.630 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 168.97 Mbit/s
95th percentile per-packet one-way delay: 21.561 ms
Loss rate: 0.03%
```

Run 3: Report of Indigo-1-32 — Data Link

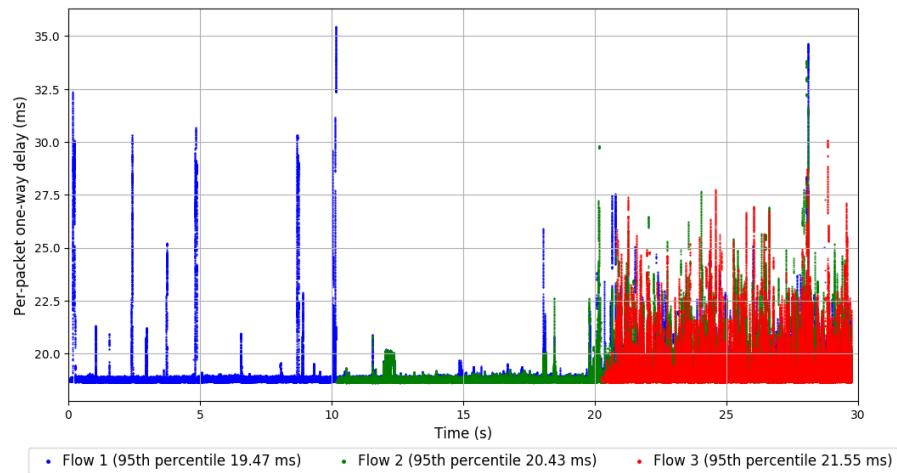
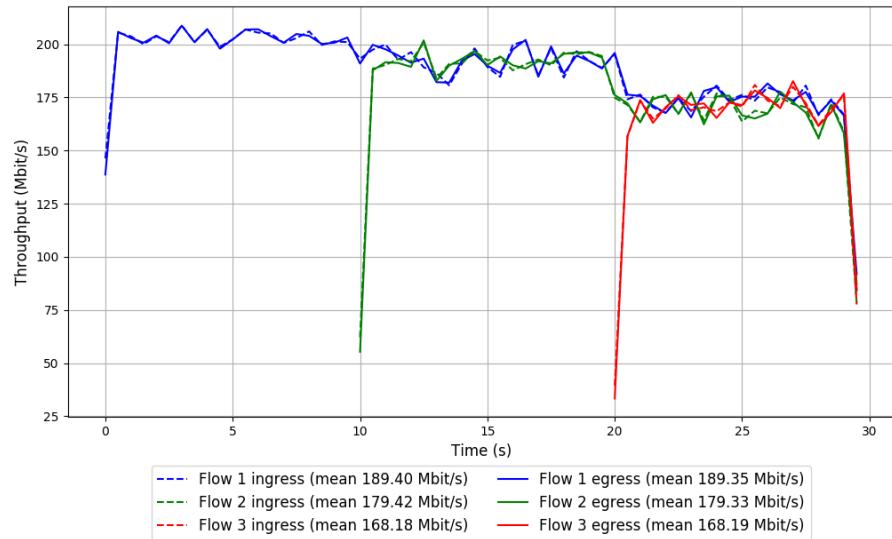


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-04-24 23:07:59
End at: 2018-04-24 23:08:29
Local clock offset: 0.043 ms
Remote clock offset: -6.065 ms

# Below is generated by plot.py at 2018-04-25 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.09 Mbit/s
95th percentile per-packet one-way delay: 20.279 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 189.35 Mbit/s
95th percentile per-packet one-way delay: 19.466 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 179.33 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 168.19 Mbit/s
95th percentile per-packet one-way delay: 21.549 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-1-32 — Data Link

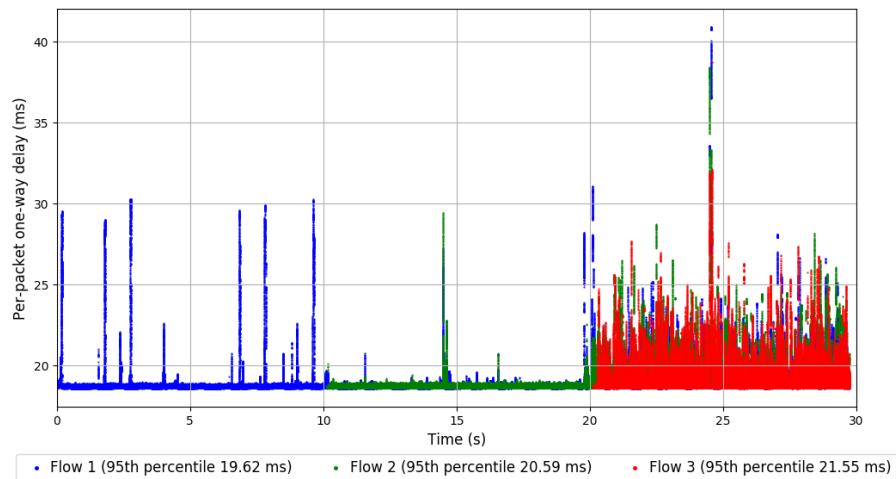
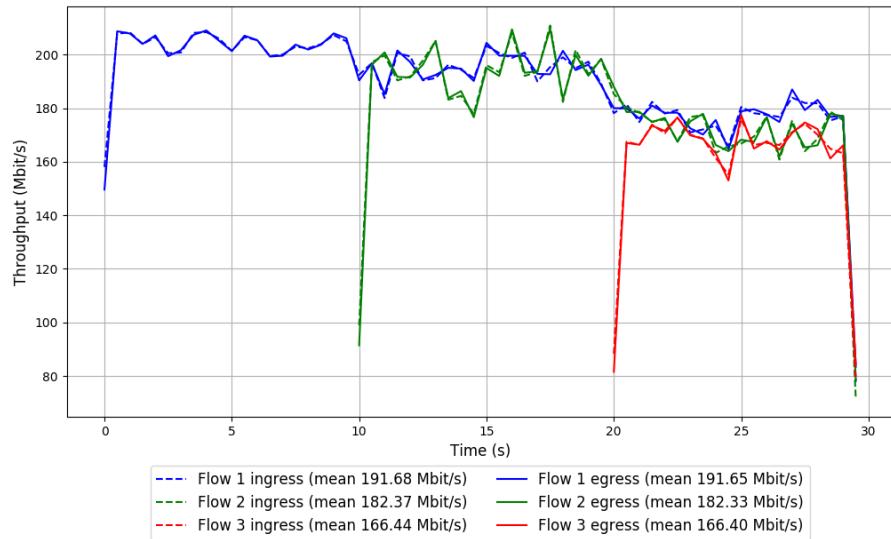


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-04-24 23:34:42
End at: 2018-04-24 23:35:12
Local clock offset: 0.399 ms
Remote clock offset: -6.768 ms

# Below is generated by plot.py at 2018-04-25 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.61 Mbit/s
95th percentile per-packet one-way delay: 20.457 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.65 Mbit/s
95th percentile per-packet one-way delay: 19.618 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 182.33 Mbit/s
95th percentile per-packet one-way delay: 20.588 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 166.40 Mbit/s
95th percentile per-packet one-way delay: 21.549 ms
Loss rate: 0.02%
```

Run 5: Report of Indigo-1-32 — Data Link

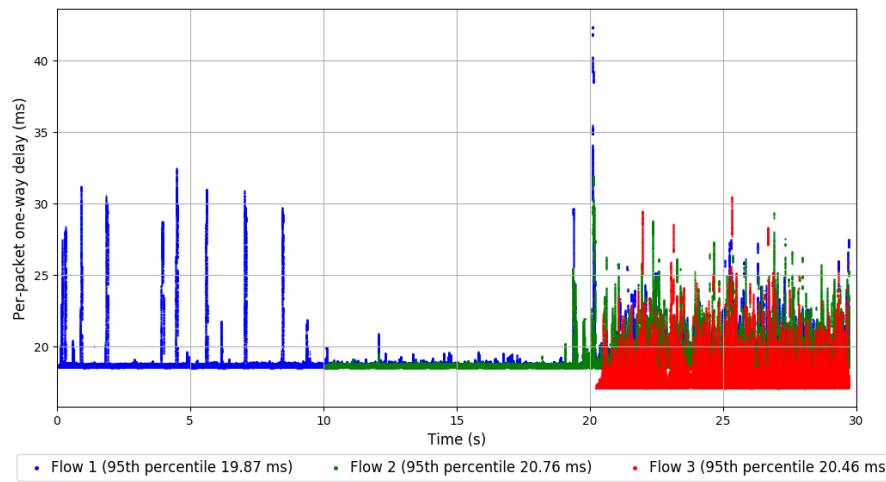
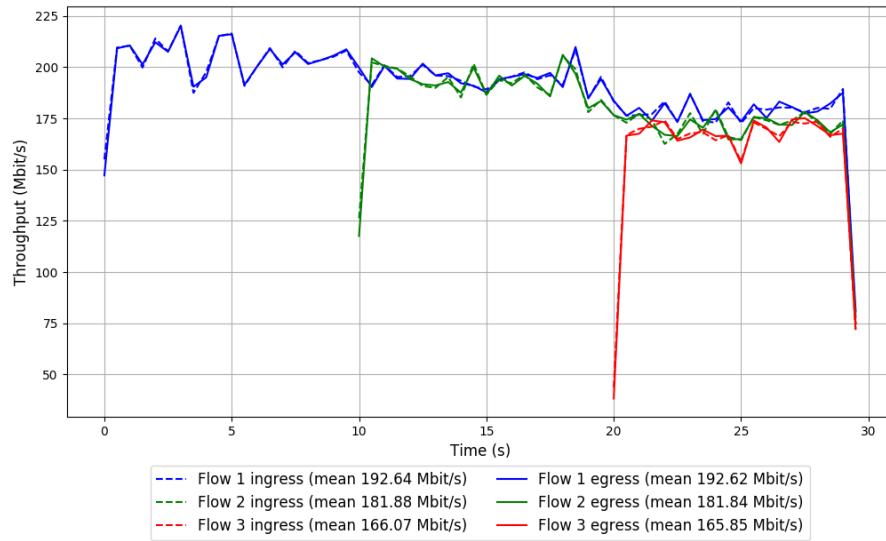


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-04-25 00:01:16
End at: 2018-04-25 00:01:46
Local clock offset: 0.218 ms
Remote clock offset: -5.599 ms

# Below is generated by plot.py at 2018-04-25 05:51:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.77 Mbit/s
95th percentile per-packet one-way delay: 20.349 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 192.62 Mbit/s
95th percentile per-packet one-way delay: 19.866 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 181.84 Mbit/s
95th percentile per-packet one-way delay: 20.757 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 165.85 Mbit/s
95th percentile per-packet one-way delay: 20.459 ms
Loss rate: 0.13%
```

Run 6: Report of Indigo-1-32 — Data Link

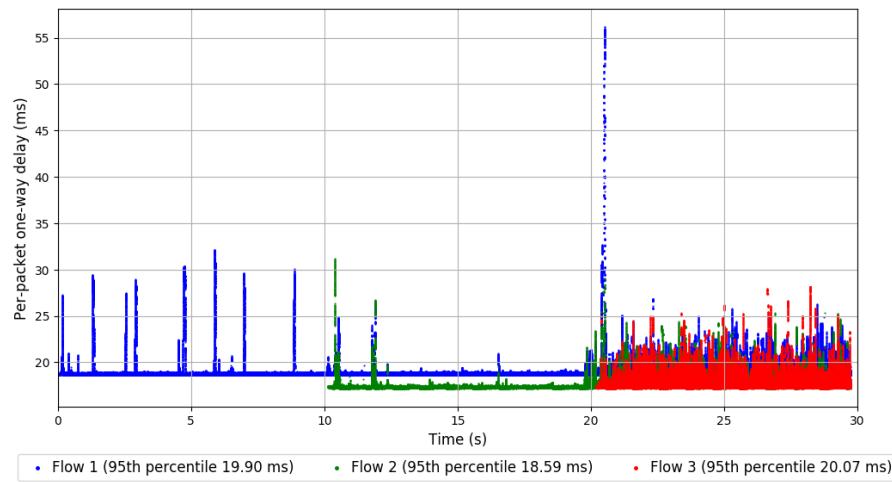
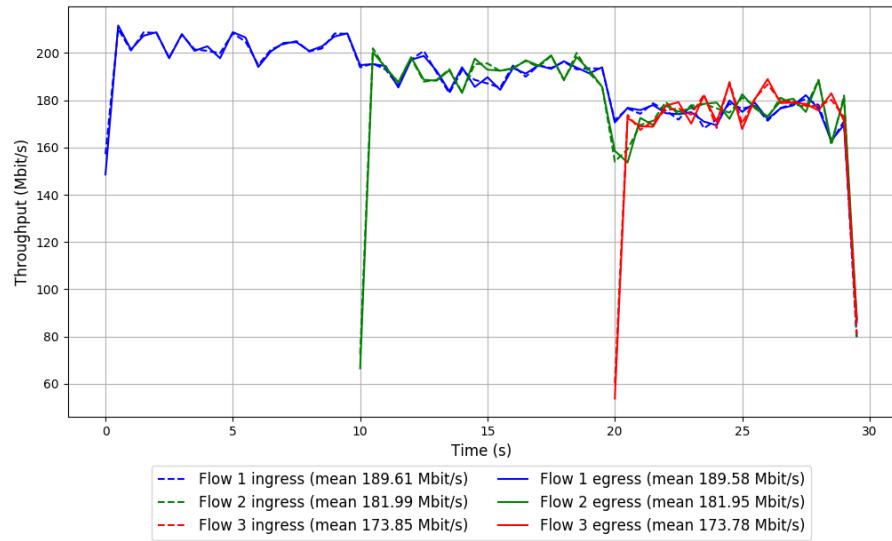


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-04-25 00:27:45
End at: 2018-04-25 00:28:15
Local clock offset: -0.089 ms
Remote clock offset: -5.601 ms

# Below is generated by plot.py at 2018-04-25 05:54:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.41 Mbit/s
95th percentile per-packet one-way delay: 19.611 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 189.58 Mbit/s
95th percentile per-packet one-way delay: 19.904 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 181.95 Mbit/s
95th percentile per-packet one-way delay: 18.590 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 173.78 Mbit/s
95th percentile per-packet one-way delay: 20.066 ms
Loss rate: 0.04%
```

Run 7: Report of Indigo-1-32 — Data Link

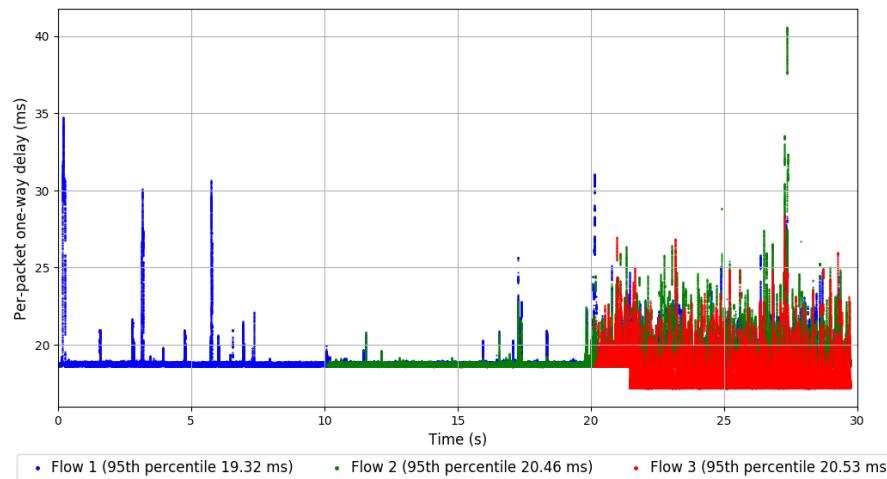
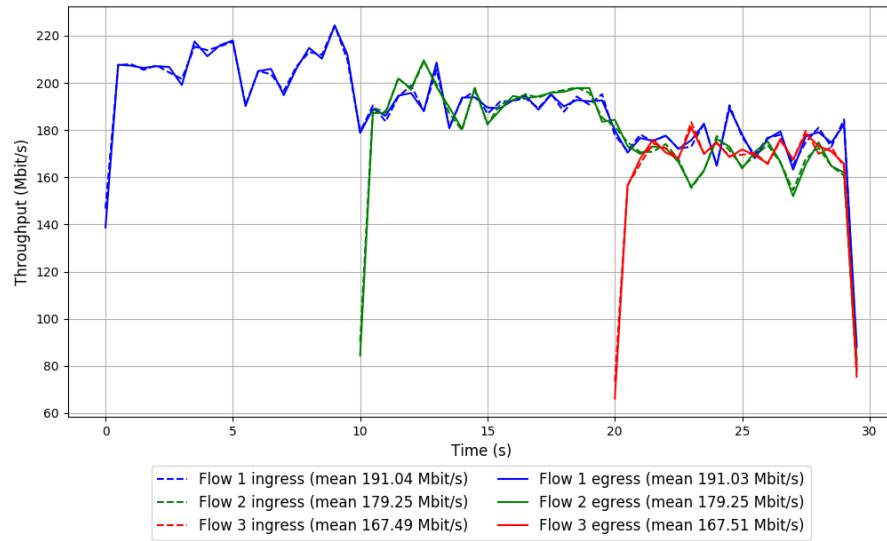


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-04-25 00:54:18
End at: 2018-04-25 00:54:48
Local clock offset: -0.003 ms
Remote clock offset: -5.468 ms

# Below is generated by plot.py at 2018-04-25 05:54:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 363.62 Mbit/s
95th percentile per-packet one-way delay: 19.948 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.03 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 179.25 Mbit/s
95th percentile per-packet one-way delay: 20.456 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 167.51 Mbit/s
95th percentile per-packet one-way delay: 20.530 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo-1-32 — Data Link

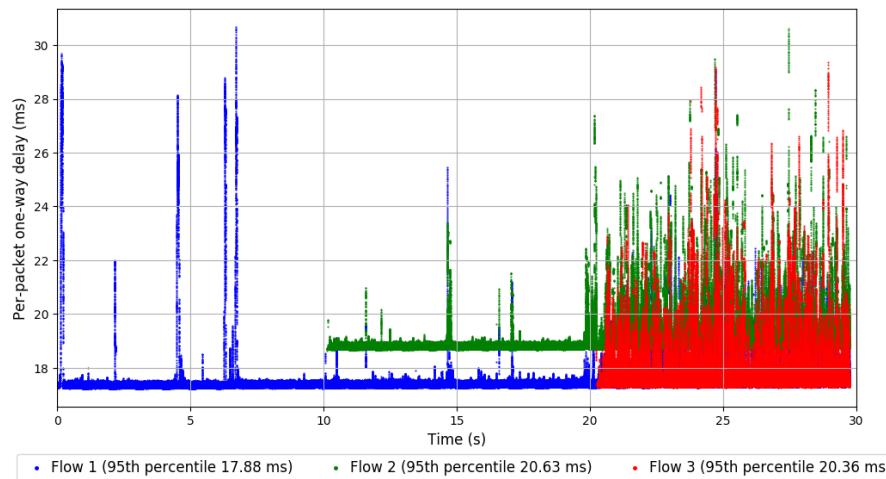
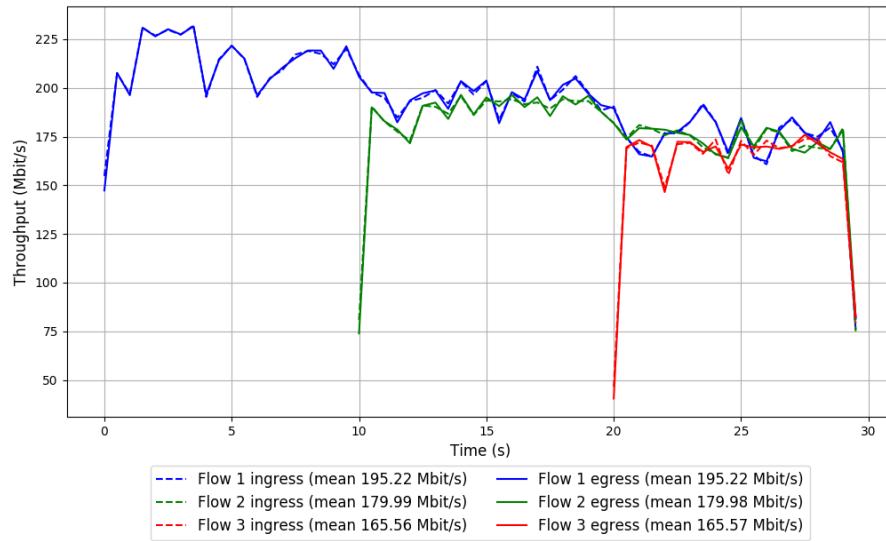


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-04-25 01:21:00
End at: 2018-04-25 01:21:30
Local clock offset: 0.423 ms
Remote clock offset: -5.599 ms

# Below is generated by plot.py at 2018-04-25 05:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.93 Mbit/s
95th percentile per-packet one-way delay: 19.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.22 Mbit/s
95th percentile per-packet one-way delay: 17.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.98 Mbit/s
95th percentile per-packet one-way delay: 20.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 165.57 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-1-32 — Data Link

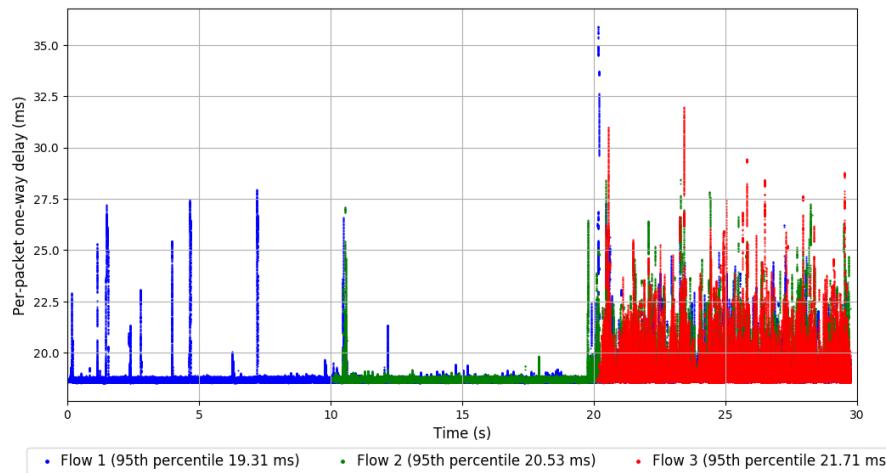
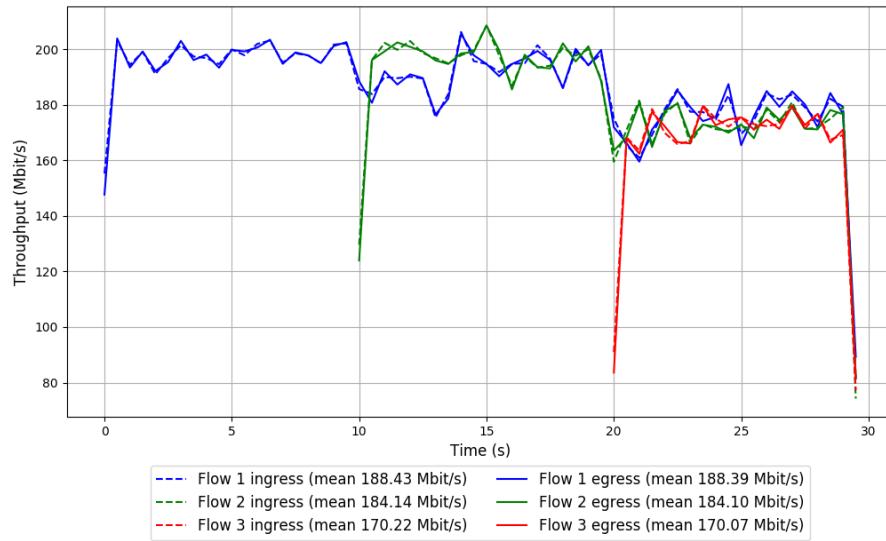


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-04-25 01:47:54
End at: 2018-04-25 01:48:24
Local clock offset: 0.397 ms
Remote clock offset: -6.764 ms

# Below is generated by plot.py at 2018-04-25 05:55:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.15 Mbit/s
95th percentile per-packet one-way delay: 20.352 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 188.39 Mbit/s
95th percentile per-packet one-way delay: 19.310 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 184.10 Mbit/s
95th percentile per-packet one-way delay: 20.529 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 170.07 Mbit/s
95th percentile per-packet one-way delay: 21.715 ms
Loss rate: 0.08%
```

Run 10: Report of Indigo-1-32 — Data Link

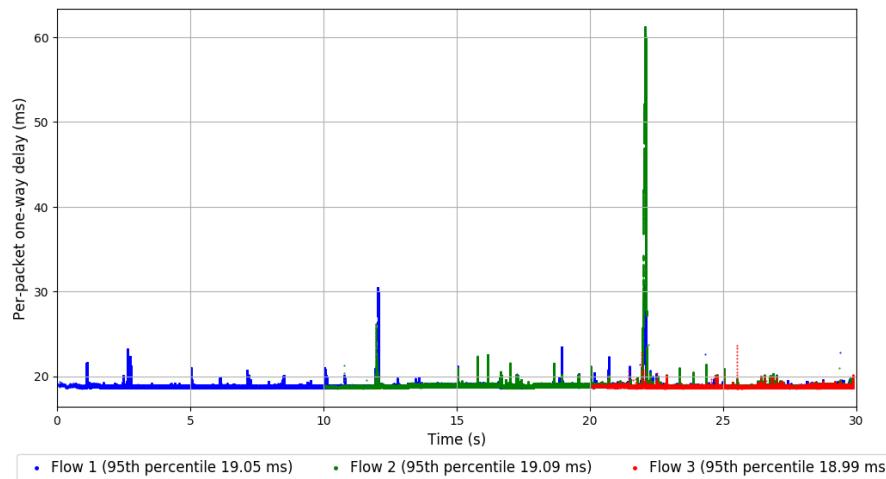
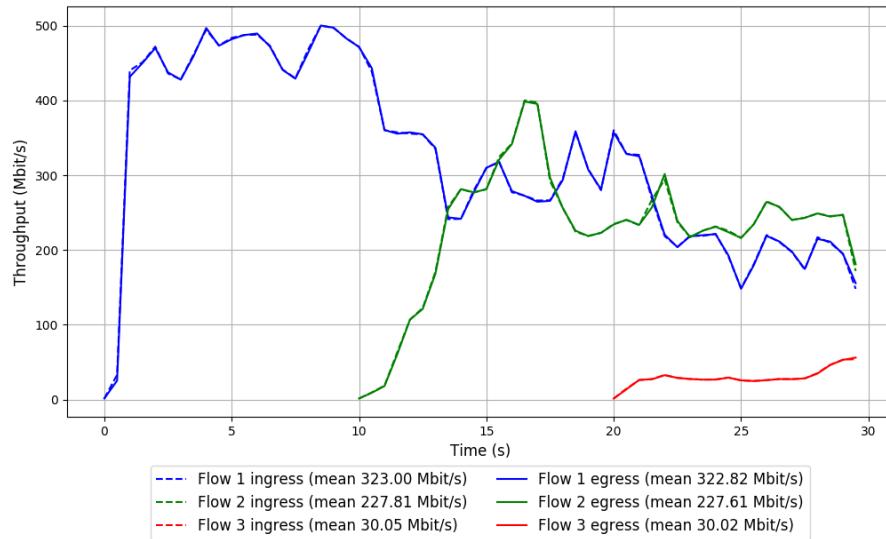


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-24 21:36:46
End at: 2018-04-24 21:37:16
Local clock offset: 0.288 ms
Remote clock offset: -5.315 ms

# Below is generated by plot.py at 2018-04-25 05:58:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.06 Mbit/s
95th percentile per-packet one-way delay: 19.060 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 322.82 Mbit/s
95th percentile per-packet one-way delay: 19.051 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 227.61 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 18.990 ms
Loss rate: 0.10%
```

Run 1: Report of PCC-Vivace — Data Link

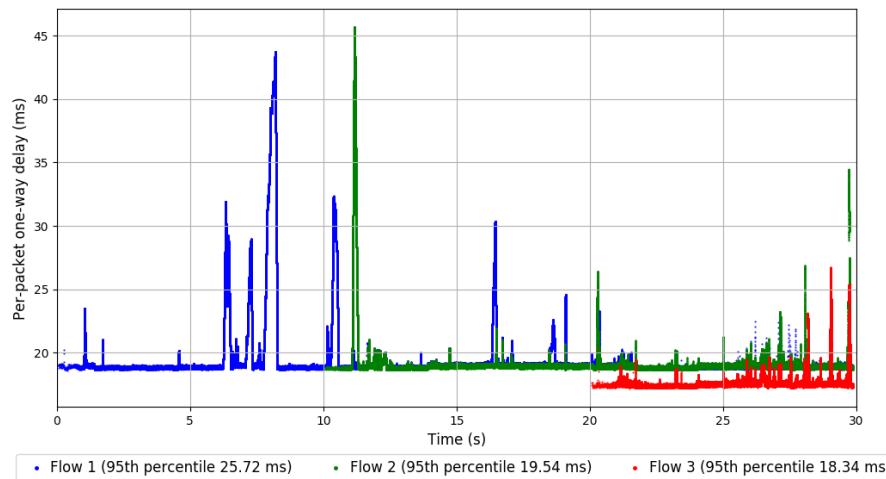
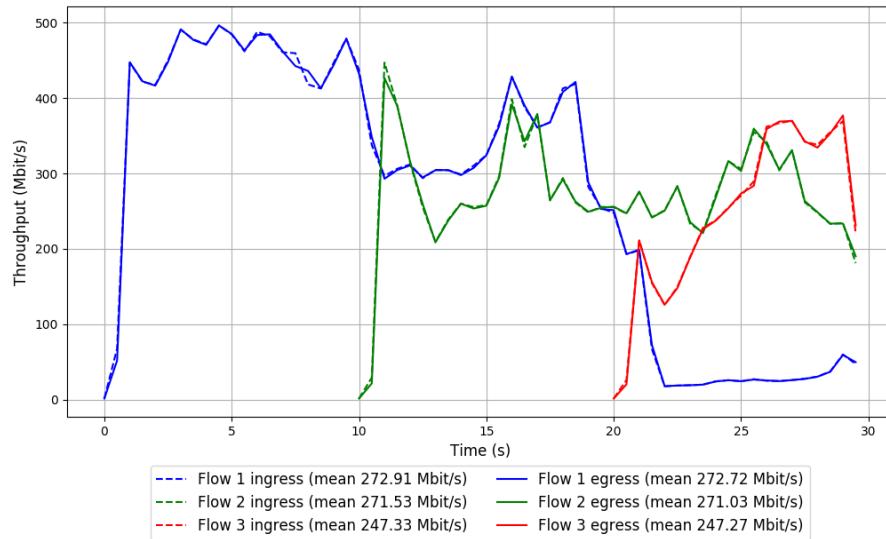


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-04-24 22:03:18
End at: 2018-04-24 22:03:48
Local clock offset: 0.184 ms
Remote clock offset: -5.594 ms

# Below is generated by plot.py at 2018-04-25 05:59:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 534.29 Mbit/s
95th percentile per-packet one-way delay: 21.322 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 272.72 Mbit/s
95th percentile per-packet one-way delay: 25.721 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 271.03 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 247.27 Mbit/s
95th percentile per-packet one-way delay: 18.341 ms
Loss rate: 0.03%
```

Run 2: Report of PCC-Vivace — Data Link

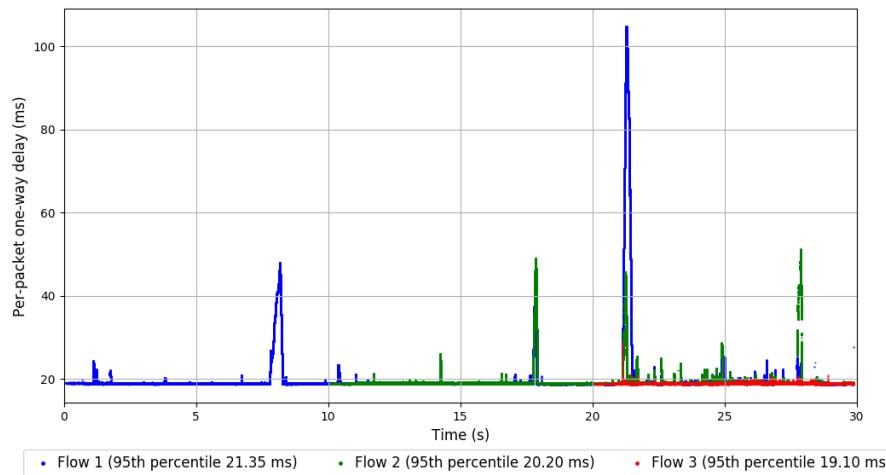
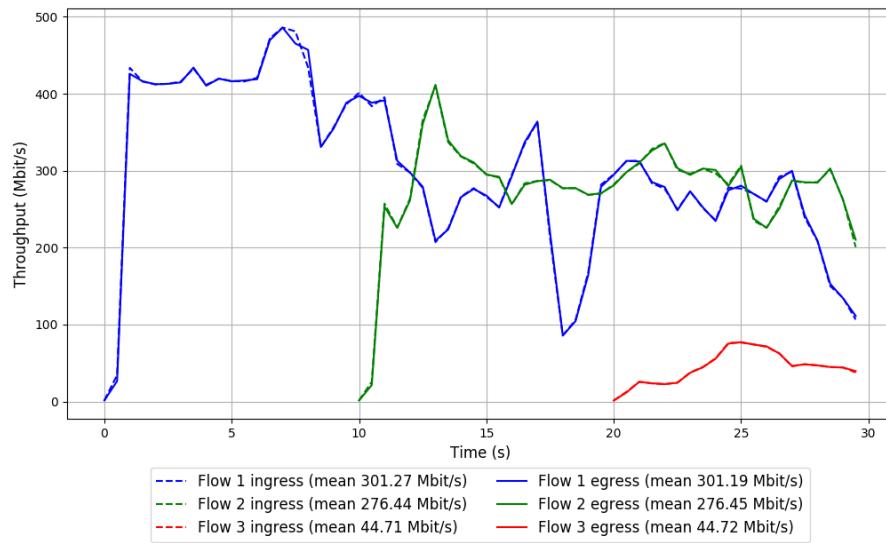


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-04-24 22:30:00
End at: 2018-04-24 22:30:30
Local clock offset: -0.072 ms
Remote clock offset: -5.812 ms

# Below is generated by plot.py at 2018-04-25 05:59:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 499.64 Mbit/s
95th percentile per-packet one-way delay: 20.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.19 Mbit/s
95th percentile per-packet one-way delay: 21.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 276.45 Mbit/s
95th percentile per-packet one-way delay: 20.198 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

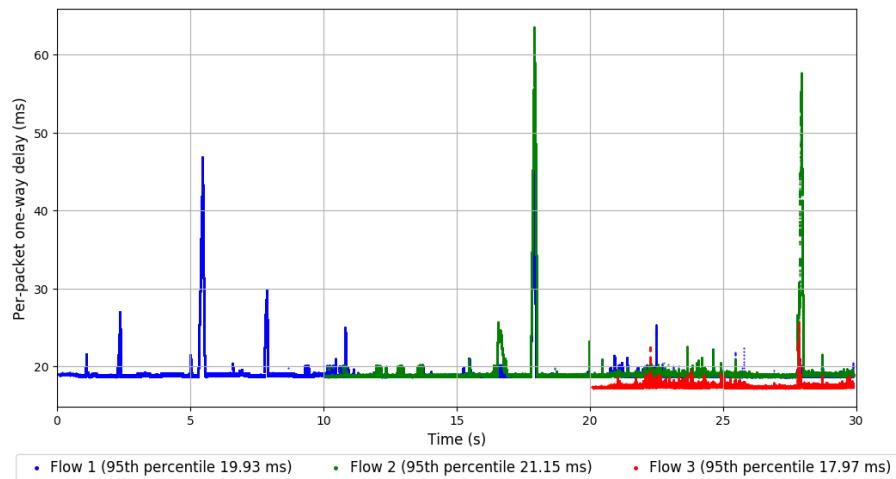
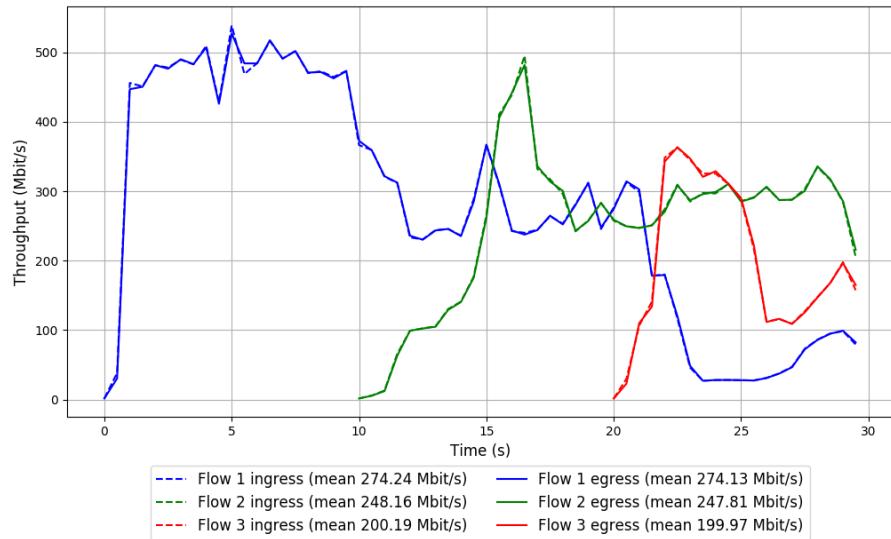


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-04-24 22:56:39
End at: 2018-04-24 22:57:09
Local clock offset: -0.076 ms
Remote clock offset: -5.603 ms

# Below is generated by plot.py at 2018-04-25 05:59:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 504.70 Mbit/s
95th percentile per-packet one-way delay: 19.925 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 274.13 Mbit/s
95th percentile per-packet one-way delay: 19.932 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 247.81 Mbit/s
95th percentile per-packet one-way delay: 21.149 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 199.97 Mbit/s
95th percentile per-packet one-way delay: 17.968 ms
Loss rate: 0.11%
```

Run 4: Report of PCC-Vivace — Data Link

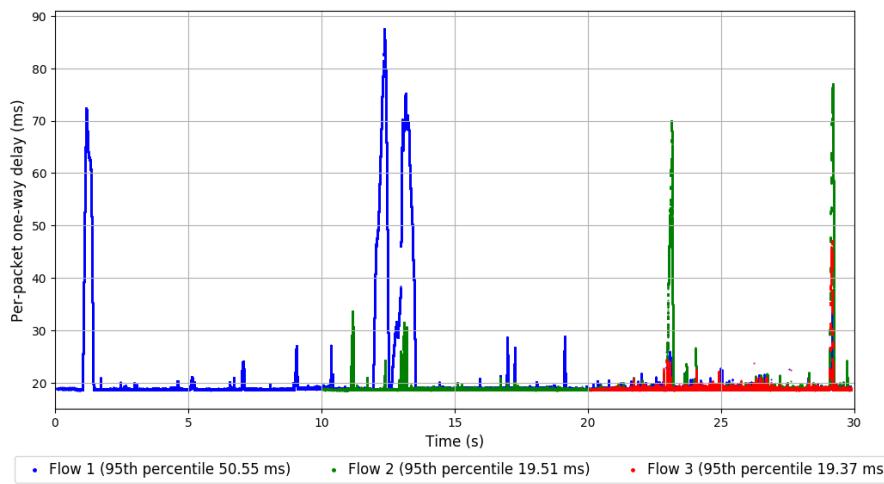
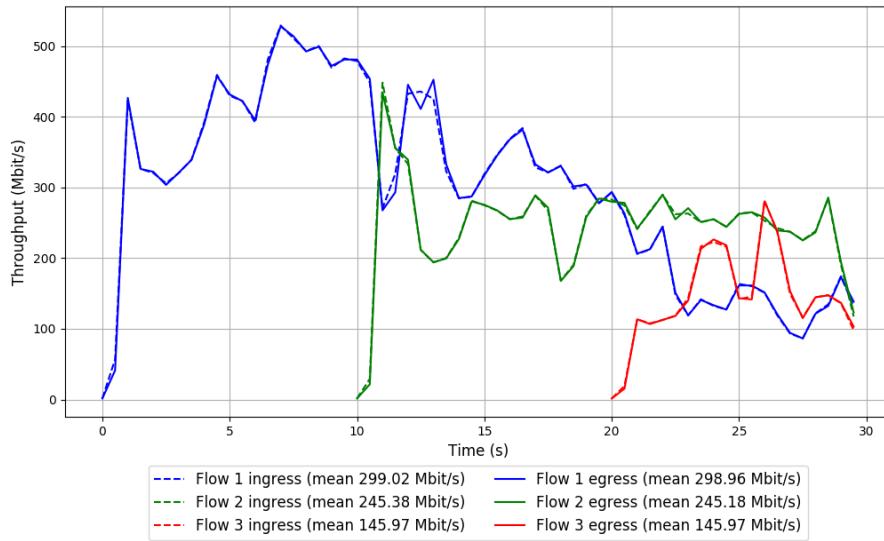


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-04-24 23:23:24
End at: 2018-04-24 23:23:54
Local clock offset: 0.214 ms
Remote clock offset: -6.563 ms

# Below is generated by plot.py at 2018-04-25 06:01:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 510.00 Mbit/s
95th percentile per-packet one-way delay: 31.030 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 298.96 Mbit/s
95th percentile per-packet one-way delay: 50.546 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 245.18 Mbit/s
95th percentile per-packet one-way delay: 19.513 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 145.97 Mbit/s
95th percentile per-packet one-way delay: 19.370 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

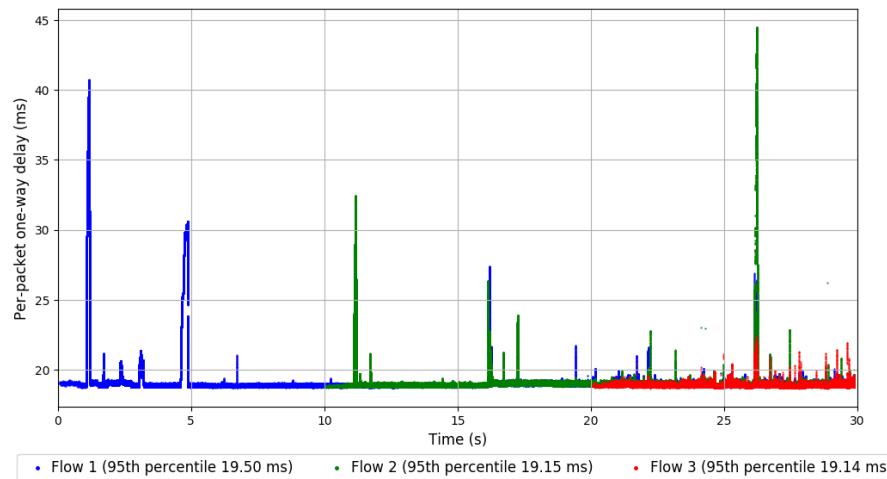
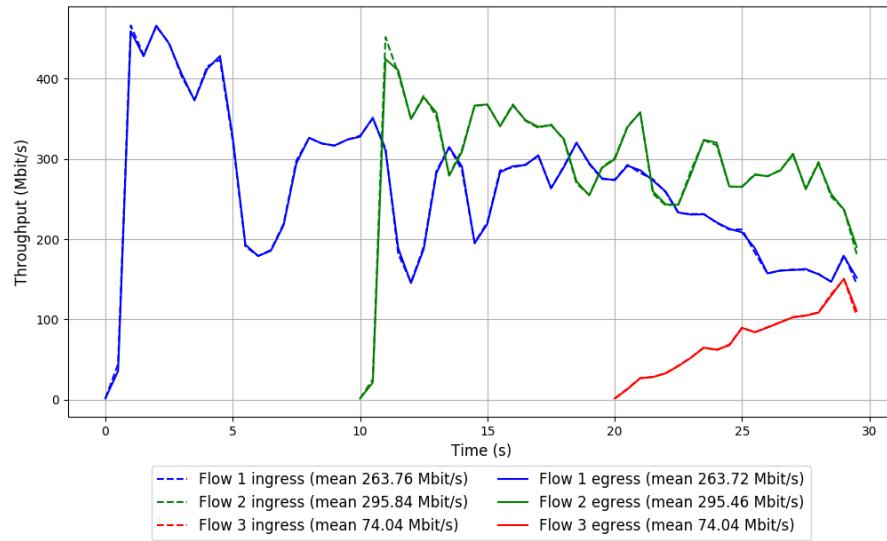


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-04-24 23:50:00
End at: 2018-04-24 23:50:30
Local clock offset: 0.514 ms
Remote clock offset: -5.678 ms

# Below is generated by plot.py at 2018-04-25 06:01:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.57 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 263.72 Mbit/s
95th percentile per-packet one-way delay: 19.498 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 295.46 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link

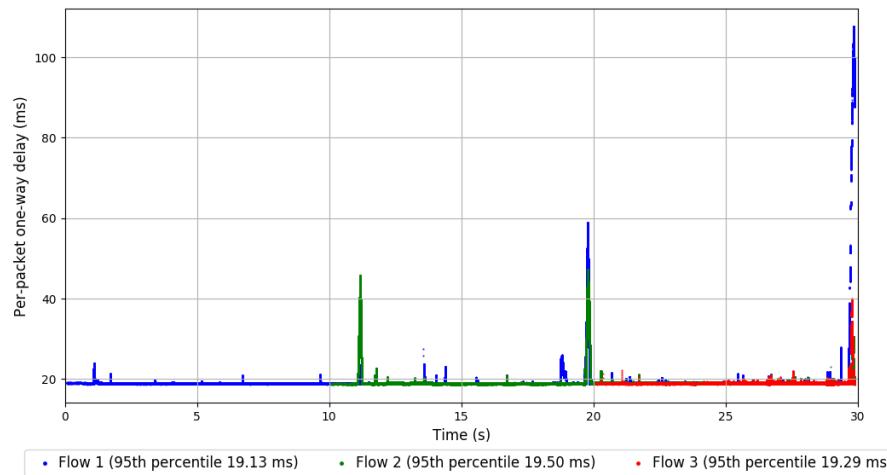
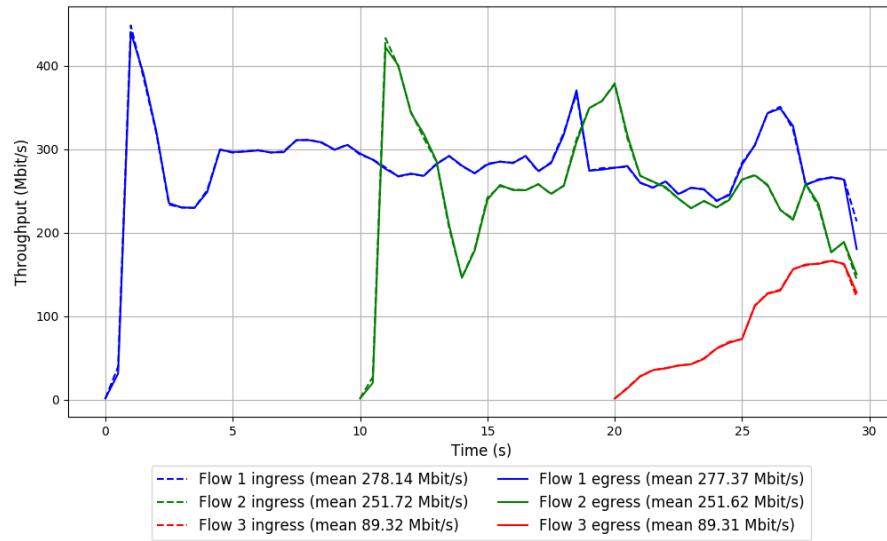


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-04-25 00:16:26
End at: 2018-04-25 00:16:56
Local clock offset: -0.01 ms
Remote clock offset: -5.475 ms

# Below is generated by plot.py at 2018-04-25 06:01:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.03 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 277.37 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 251.62 Mbit/s
95th percentile per-packet one-way delay: 19.496 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 0.01%
```

Run 7: Report of PCC-Vivace — Data Link

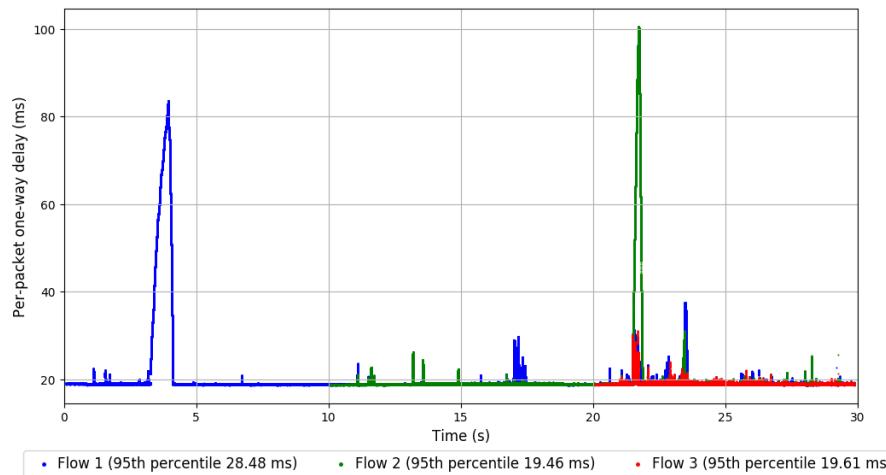
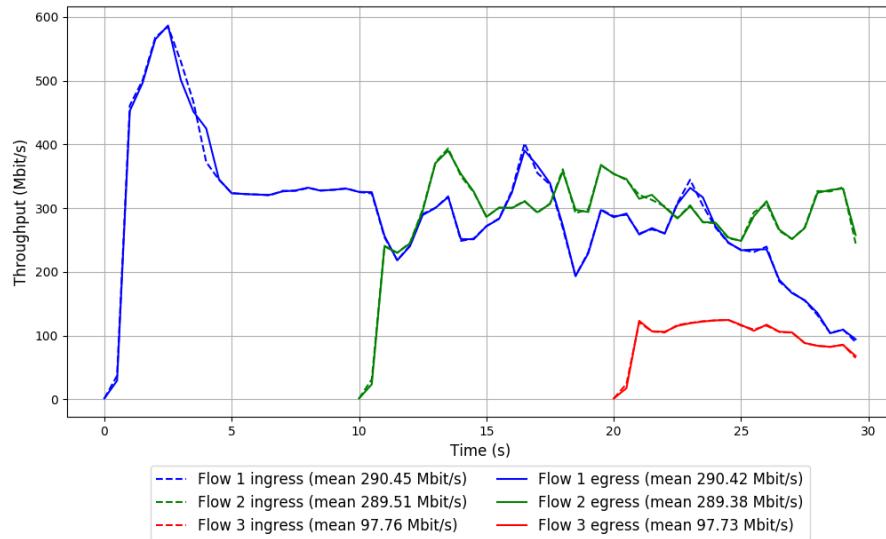


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-04-25 00:42:54
End at: 2018-04-25 00:43:24
Local clock offset: 0.046 ms
Remote clock offset: -5.471 ms

# Below is generated by plot.py at 2018-04-25 06:01:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 514.99 Mbit/s
95th percentile per-packet one-way delay: 21.991 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 290.42 Mbit/s
95th percentile per-packet one-way delay: 28.480 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 289.38 Mbit/s
95th percentile per-packet one-way delay: 19.464 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 97.73 Mbit/s
95th percentile per-packet one-way delay: 19.611 ms
Loss rate: 0.04%
```

Run 8: Report of PCC-Vivace — Data Link

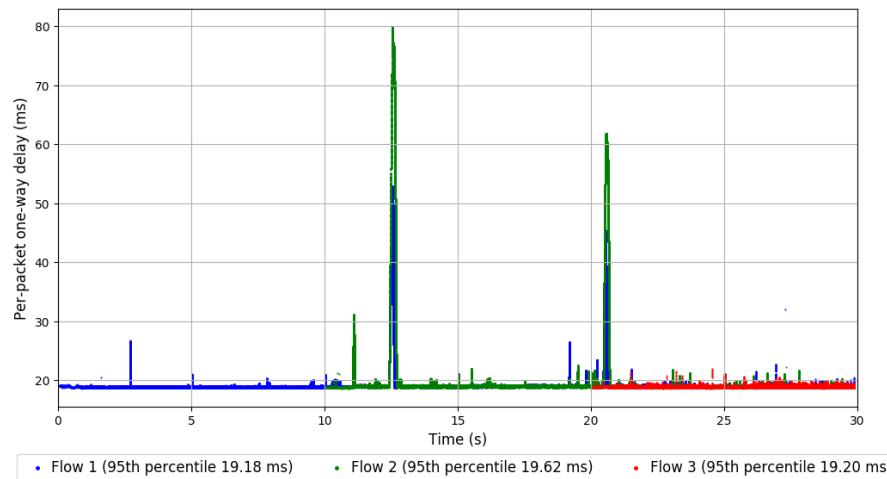
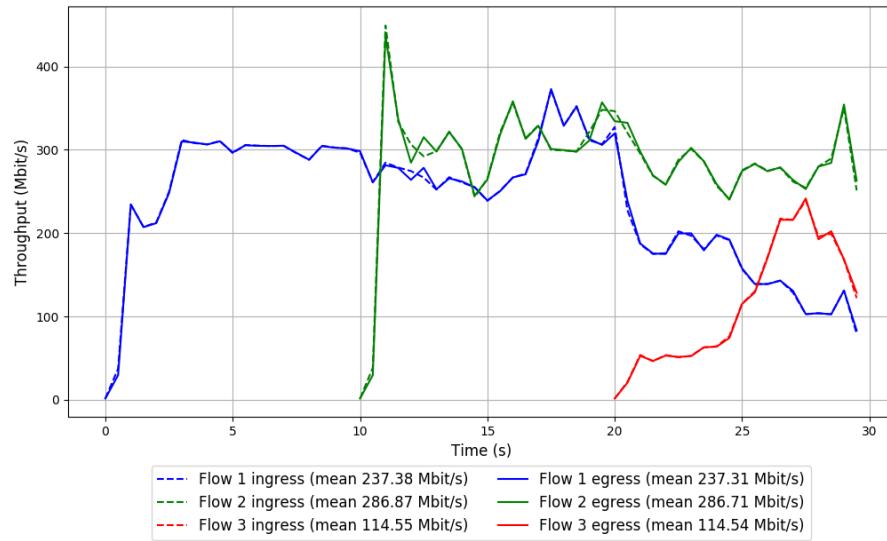


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-04-25 01:09:44
End at: 2018-04-25 01:10:14
Local clock offset: 0.21 ms
Remote clock offset: -5.371 ms

# Below is generated by plot.py at 2018-04-25 06:02:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 465.74 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 237.31 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 286.71 Mbit/s
95th percentile per-packet one-way delay: 19.621 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 114.54 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.01%
```

Run 9: Report of PCC-Vivace — Data Link

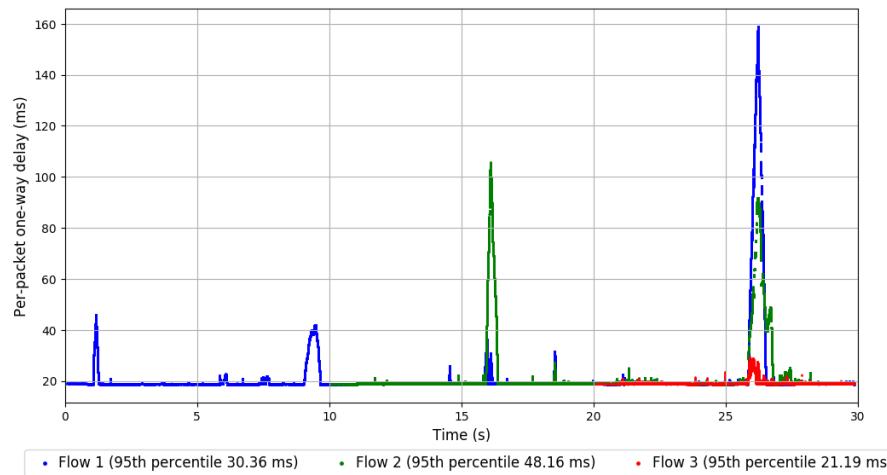
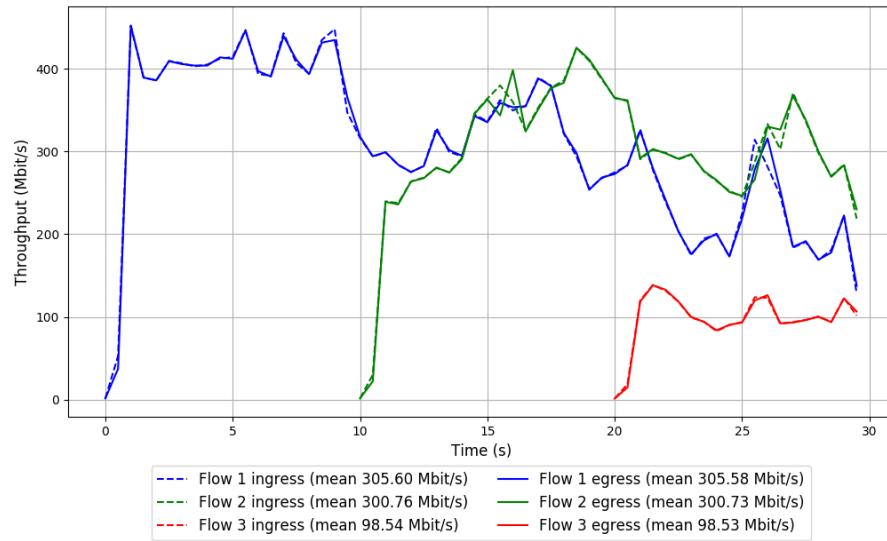


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-04-25 01:36:29
End at: 2018-04-25 01:36:59
Local clock offset: 0.341 ms
Remote clock offset: -6.511 ms

# Below is generated by plot.py at 2018-04-25 06:02:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 537.97 Mbit/s
95th percentile per-packet one-way delay: 35.149 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 305.58 Mbit/s
95th percentile per-packet one-way delay: 30.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 300.73 Mbit/s
95th percentile per-packet one-way delay: 48.162 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 98.53 Mbit/s
95th percentile per-packet one-way delay: 21.188 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-24 21:27:52

End at: 2018-04-24 21:28:22

Local clock offset: 0.326 ms

Remote clock offset: -5.273 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-24 21:54:24

End at: 2018-04-24 21:54:54

Local clock offset: 0.166 ms

Remote clock offset: -5.373 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-24 22:21:01
End at: 2018-04-24 22:21:31
Local clock offset: 0.04 ms
Remote clock offset: -5.831 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-04-24 22:47:42
End at: 2018-04-24 22:48:12
Local clock offset: -0.078 ms
Remote clock offset: -5.575 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-04-24 23:14:31
End at: 2018-04-24 23:15:01
Local clock offset: 0.014 ms
Remote clock offset: -6.207 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-24 23:41:08

End at: 2018-04-24 23:41:38

Local clock offset: 0.513 ms

Remote clock offset: -6.214 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-25 00:07:41

End at: 2018-04-25 00:08:11

Local clock offset: 0.074 ms

Remote clock offset: -5.54 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-25 00:34:08

End at: 2018-04-25 00:34:38

Local clock offset: -0.007 ms

Remote clock offset: -5.56 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-25 01:00:48

End at: 2018-04-25 01:01:18

Local clock offset: 0.068 ms

Remote clock offset: -5.407 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-25 01:27:32

End at: 2018-04-25 01:28:02

Local clock offset: 0.4 ms

Remote clock offset: -6.168 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing