

Pantheon Report

Generated at 2017-09-22 06:47:38 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

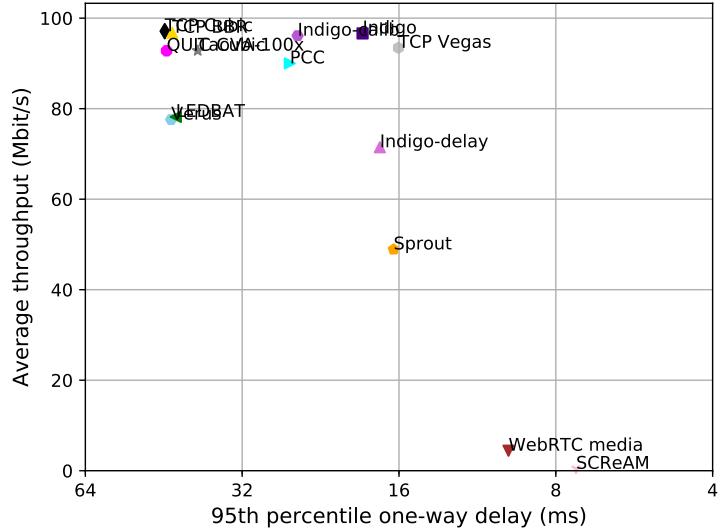
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against nets.org.sg and have been applied to correct the timestamps in logs.

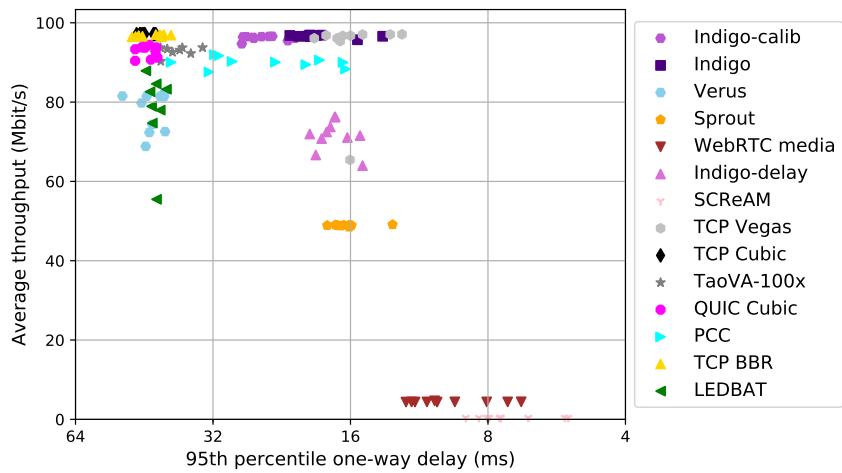
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



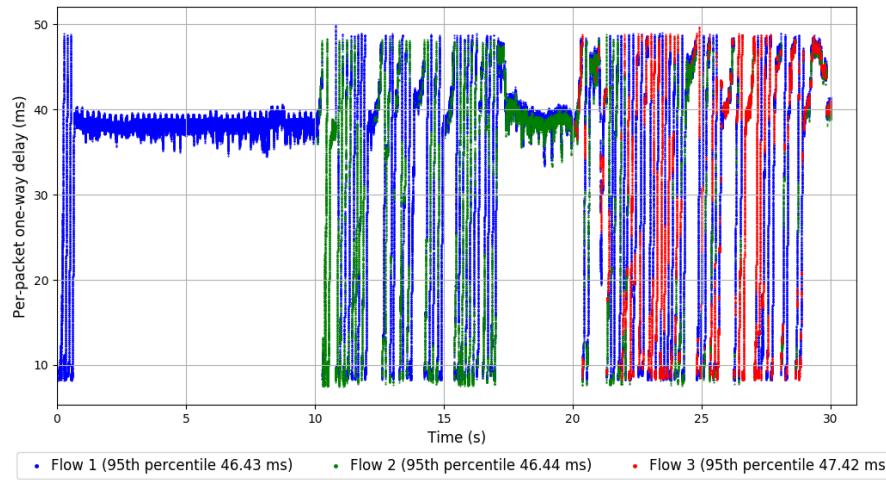
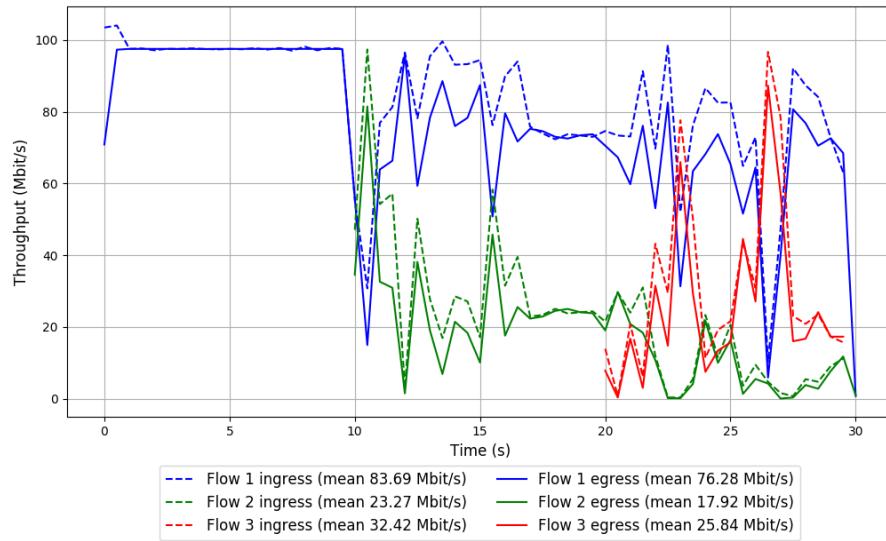
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	55.33	44.48	35.83	42.32	43.72	45.01	5.07	8.45	14.56
TCP Cubic	10	69.74	29.16	24.13	44.82	45.19	45.55	0.79	0.92	0.77
LEDBAT	8	45.22	37.18	23.82	303.14	43.25	43.23	0.33	0.54	0.91
PCC	10	79.04	10.95	11.17	25.14	29.42	32.65	0.94	0.95	1.70
QUIC Cubic	10	63.10	32.16	22.72	44.60	44.67	44.97	1.76	2.29	2.59
SCReAM	10	0.21	0.21	0.22	6.85	7.21	7.10	0.00	0.00	0.00
WebRTC media	10	2.37	1.50	0.56	9.47	9.94	10.76	0.00	0.01	0.00
Sprout	10	24.60	24.46	24.30	16.10	16.03	17.22	0.00	0.00	0.00
TaoVA-100x	9	56.69	40.03	33.61	36.73	40.14	41.63	4.28	9.01	16.17
TCP Vegas	10	54.25	41.18	35.20	61.71	13.05	10.65	0.16	0.03	0.01
Verus	10	51.06	29.67	22.92	42.83	45.49	43.15	28.39	33.42	33.80
Indigo	10	60.63	36.23	36.47	17.58	20.04	23.61	0.02	0.03	0.03
Indigo-calib	10	60.39	35.40	37.43	20.13	29.40	33.42	0.18	0.25	0.02
Indigo-delay	10	37.99	33.49	34.24	16.34	17.17	19.90	0.00	0.01	0.01

Run 1: Statistics of TCP BBR

```
Start at: 2017-09-22 02:54:38
End at: 2017-09-22 02:55:08
Local clock offset: -0.183 ms
Remote clock offset: -2.645 ms

# Below is generated by plot.py at 2017-09-22 06:27:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 46.546 ms
Loss rate: 11.90%
-- Flow 1:
Average throughput: 76.28 Mbit/s
95th percentile per-packet one-way delay: 46.426 ms
Loss rate: 8.76%
-- Flow 2:
Average throughput: 17.92 Mbit/s
95th percentile per-packet one-way delay: 46.443 ms
Loss rate: 22.99%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 47.421 ms
Loss rate: 20.29%
```

Run 1: Report of TCP BBR — Data Link

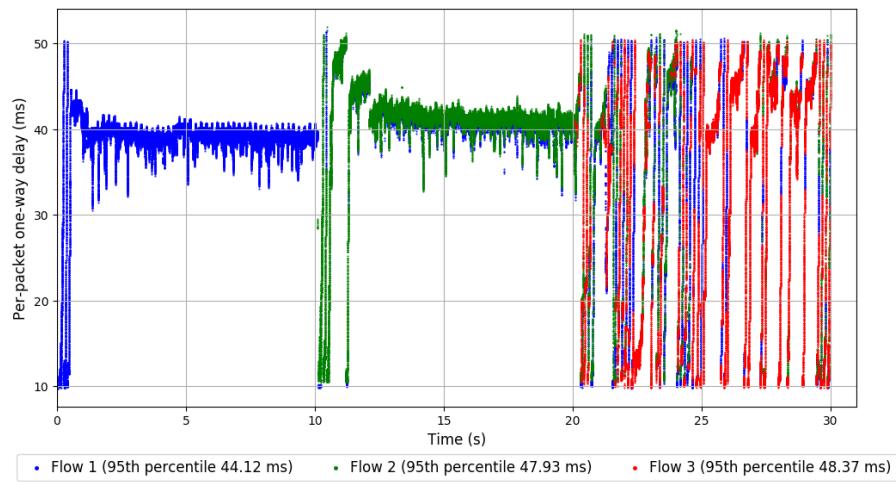
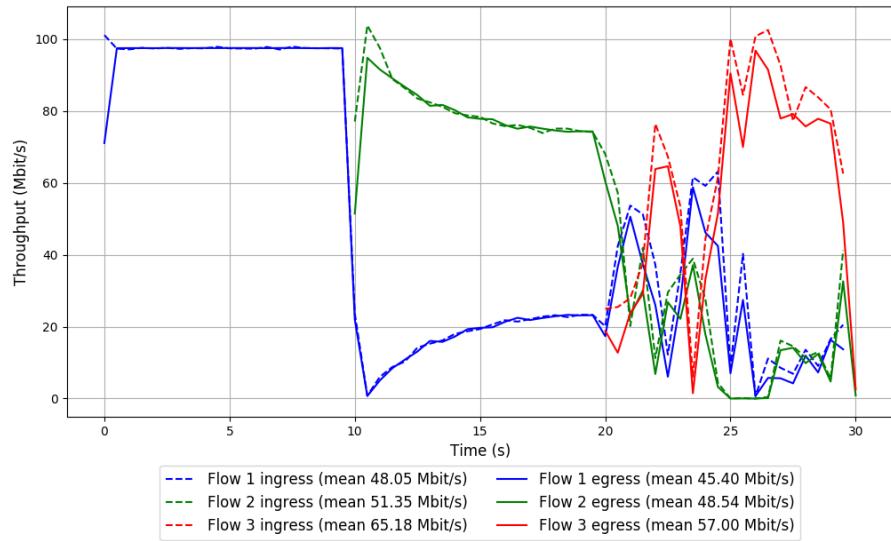


Run 2: Statistics of TCP BBR

```
Start at: 2017-09-22 03:33:07
End at: 2017-09-22 03:33:37
Local clock offset: -1.583 ms
Remote clock offset: -1.166 ms

# Below is generated by plot.py at 2017-09-22 06:27:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 47.289 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 45.40 Mbit/s
95th percentile per-packet one-way delay: 44.116 ms
Loss rate: 5.43%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 47.933 ms
Loss rate: 5.42%
-- Flow 3:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 48.373 ms
Loss rate: 12.50%
```

Run 2: Report of TCP BBR — Data Link

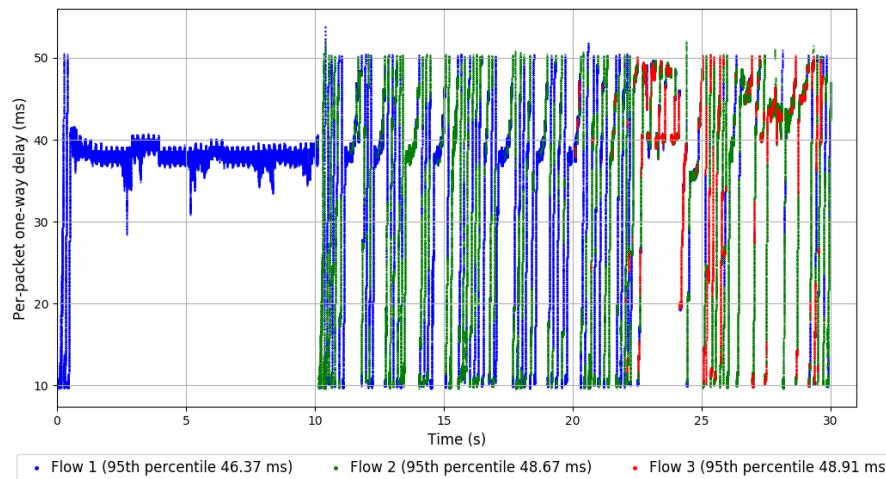
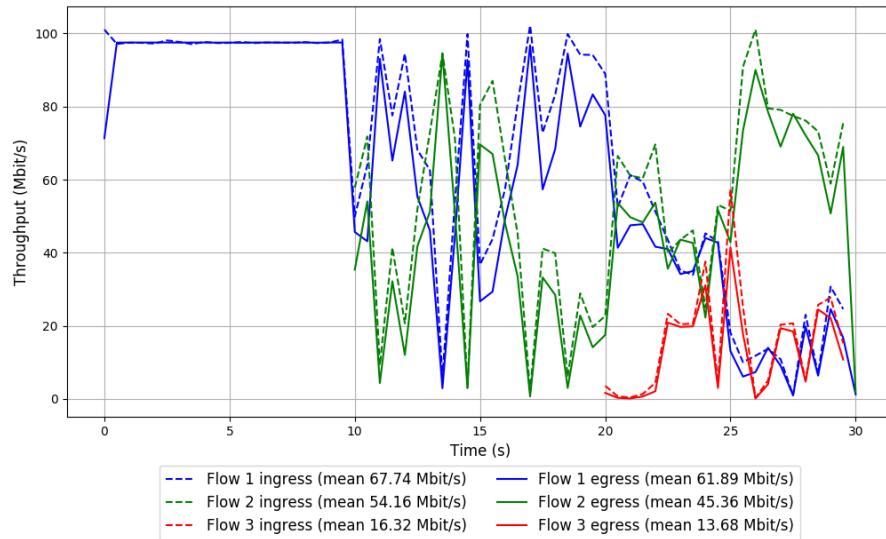


Run 3: Statistics of TCP BBR

```
Start at: 2017-09-22 03:53:16
End at: 2017-09-22 03:53:46
Local clock offset: -0.964 ms
Remote clock offset: -1.219 ms

# Below is generated by plot.py at 2017-09-22 06:27:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 48.112 ms
Loss rate: 11.51%
-- Flow 1:
Average throughput: 61.89 Mbit/s
95th percentile per-packet one-way delay: 46.373 ms
Loss rate: 8.52%
-- Flow 2:
Average throughput: 45.36 Mbit/s
95th percentile per-packet one-way delay: 48.667 ms
Loss rate: 16.22%
-- Flow 3:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 48.908 ms
Loss rate: 17.73%
```

Run 3: Report of TCP BBR — Data Link

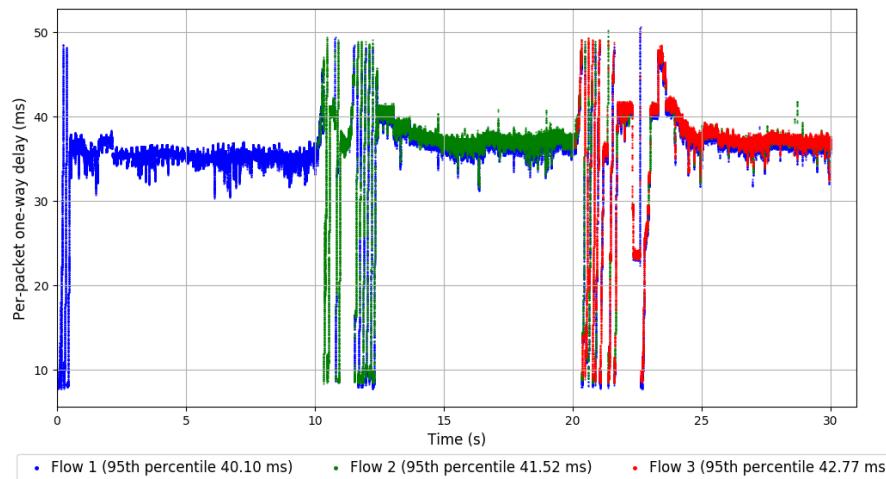
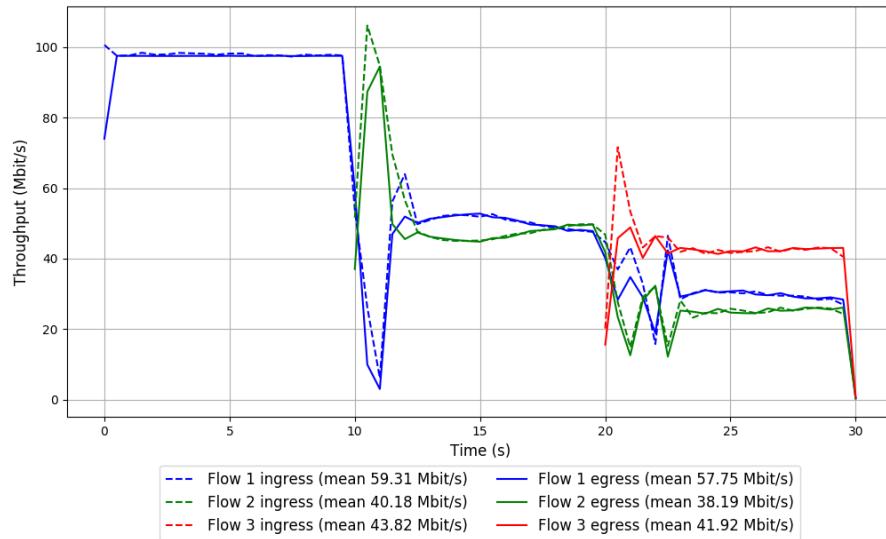


Run 4: Statistics of TCP BBR

```
Start at: 2017-09-22 04:11:17
End at: 2017-09-22 04:11:47
Local clock offset: -1.016 ms
Remote clock offset: -2.115 ms

# Below is generated by plot.py at 2017-09-22 06:27:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 41.017 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 40.101 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 41.524 ms
Loss rate: 4.96%
-- Flow 3:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 42.768 ms
Loss rate: 4.36%
```

Run 4: Report of TCP BBR — Data Link

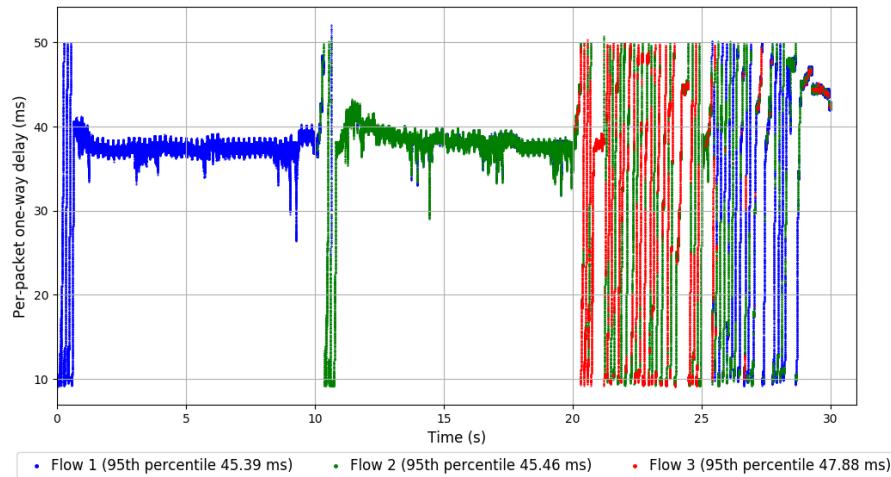
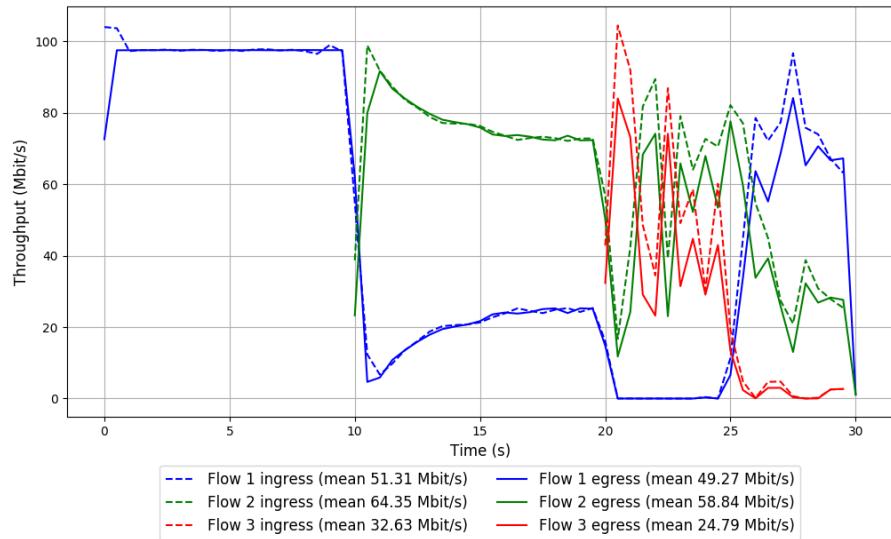


Run 5: Statistics of TCP BBR

```
Start at: 2017-09-22 04:30:14
End at: 2017-09-22 04:30:44
Local clock offset: -2.137 ms
Remote clock offset: -2.446 ms

# Below is generated by plot.py at 2017-09-22 06:27:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 45.663 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 49.27 Mbit/s
95th percentile per-packet one-way delay: 45.390 ms
Loss rate: 3.86%
-- Flow 2:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 45.462 ms
Loss rate: 8.53%
-- Flow 3:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 47.880 ms
Loss rate: 24.00%
```

Run 5: Report of TCP BBR — Data Link

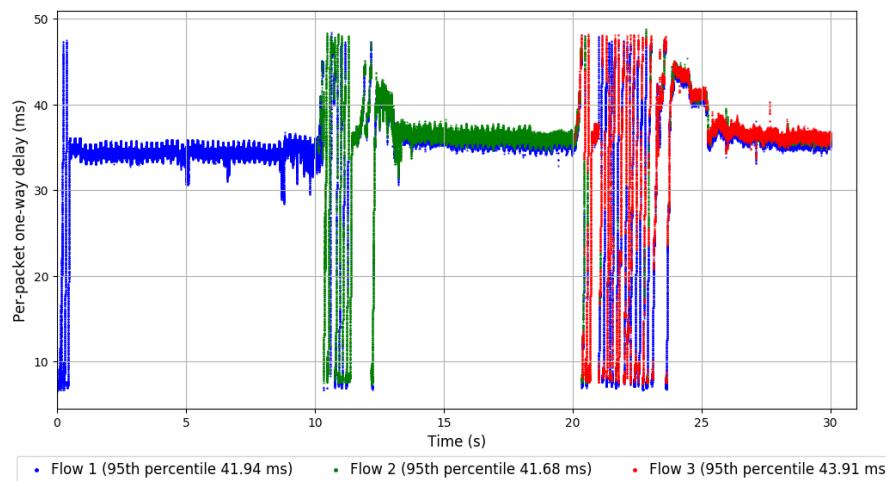
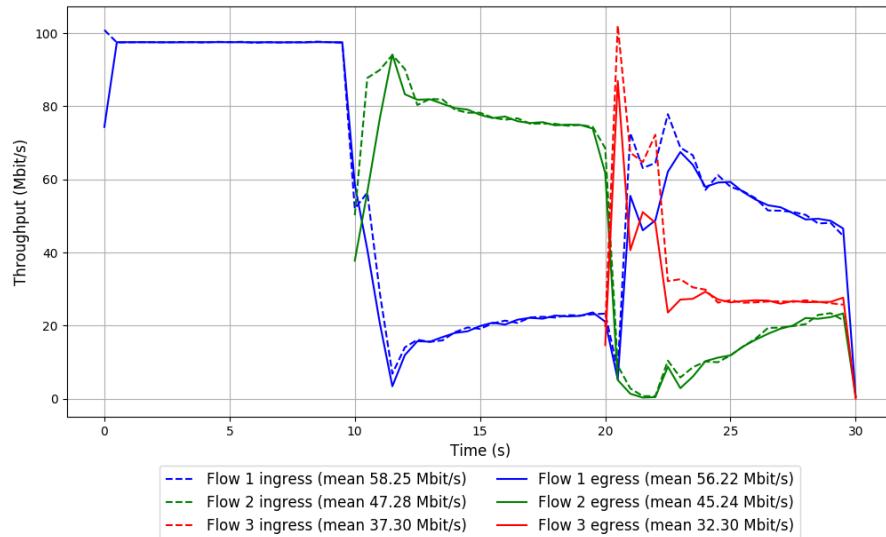


Run 6: Statistics of TCP BBR

```
Start at: 2017-09-22 04:47:39
End at: 2017-09-22 04:48:09
Local clock offset: -1.848 ms
Remote clock offset: -4.471 ms

# Below is generated by plot.py at 2017-09-22 06:27:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 42.680 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 41.939 ms
Loss rate: 3.40%
-- Flow 2:
Average throughput: 45.24 Mbit/s
95th percentile per-packet one-way delay: 41.683 ms
Loss rate: 4.32%
-- Flow 3:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 43.912 ms
Loss rate: 13.40%
```

Run 6: Report of TCP BBR — Data Link

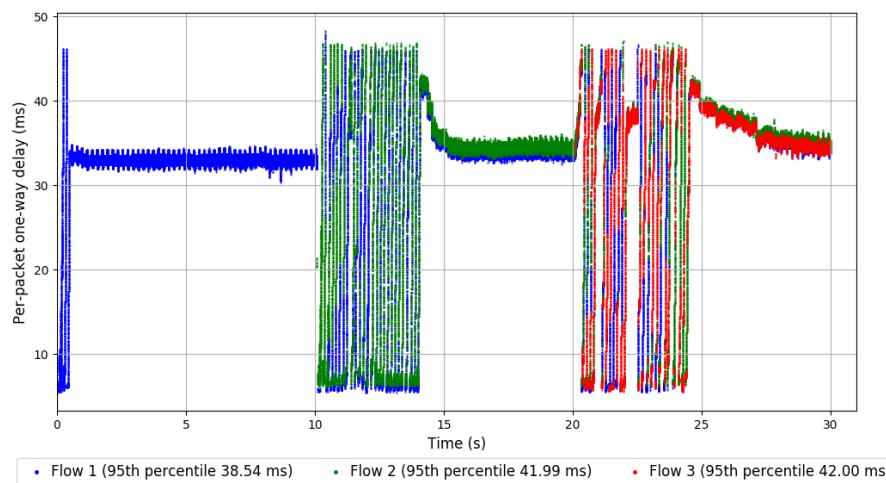
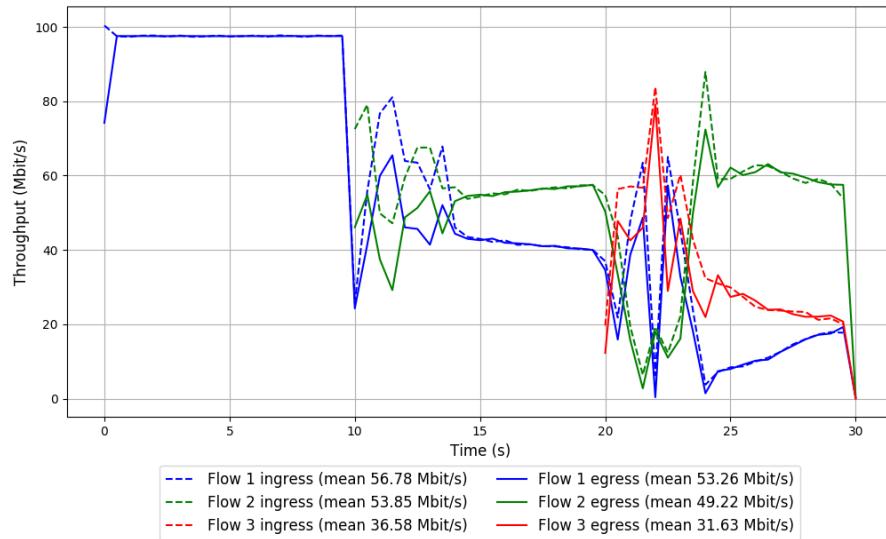


Run 7: Statistics of TCP BBR

```
Start at: 2017-09-22 05:04:29
End at: 2017-09-22 05:04:59
Local clock offset: 0.419 ms
Remote clock offset: -3.818 ms

# Below is generated by plot.py at 2017-09-22 06:27:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 41.469 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 38.538 ms
Loss rate: 6.11%
-- Flow 2:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 41.988 ms
Loss rate: 8.60%
-- Flow 3:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 42.000 ms
Loss rate: 13.56%
```

Run 7: Report of TCP BBR — Data Link

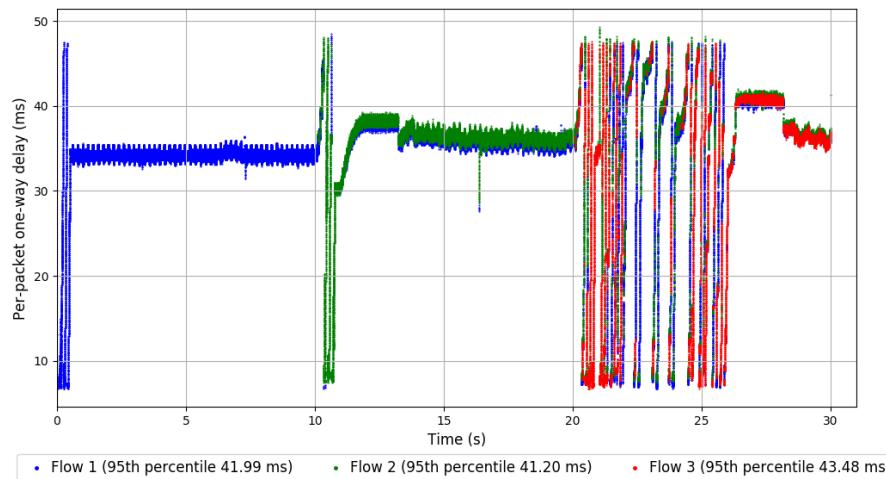
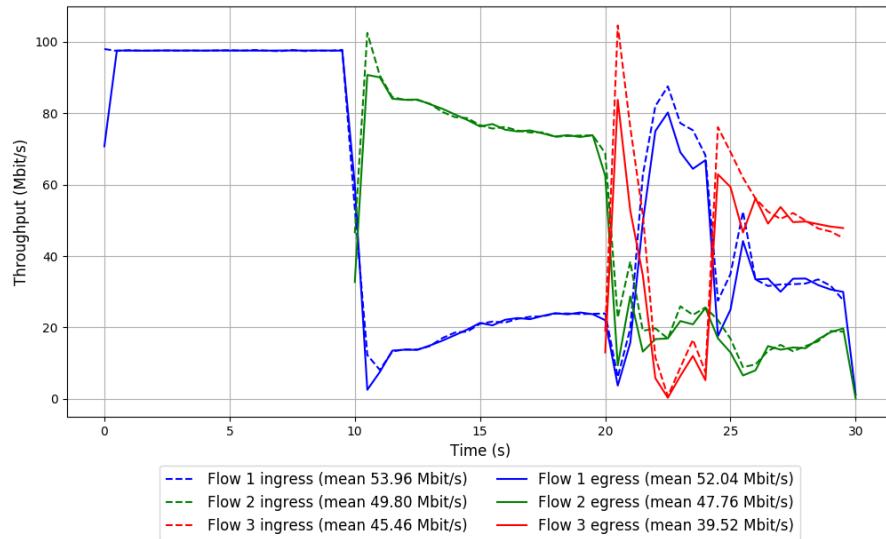


Run 8: Statistics of TCP BBR

```
Start at: 2017-09-22 05:21:18
End at: 2017-09-22 05:21:48
Local clock offset: -0.53 ms
Remote clock offset: -3.597 ms

# Below is generated by plot.py at 2017-09-22 06:27:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 41.740 ms
Loss rate: 5.09%
-- Flow 1:
Average throughput: 52.04 Mbit/s
95th percentile per-packet one-way delay: 41.991 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 41.204 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 43.477 ms
Loss rate: 13.08%
```

Run 8: Report of TCP BBR — Data Link

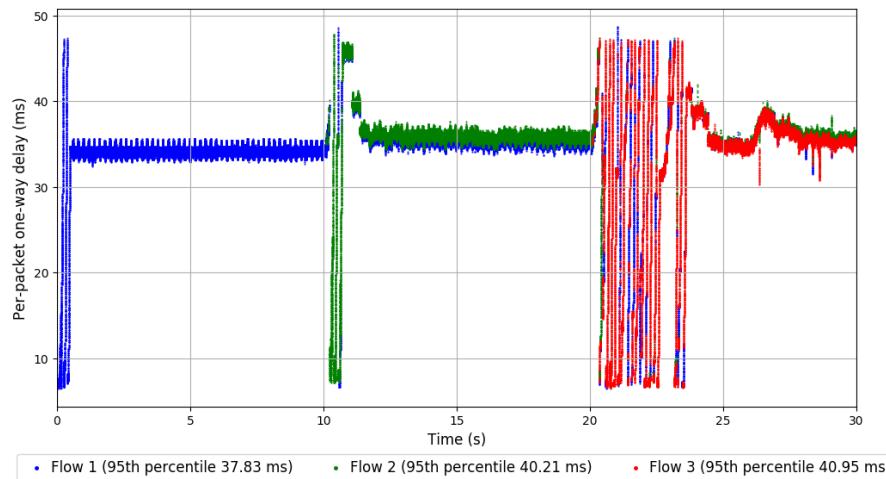
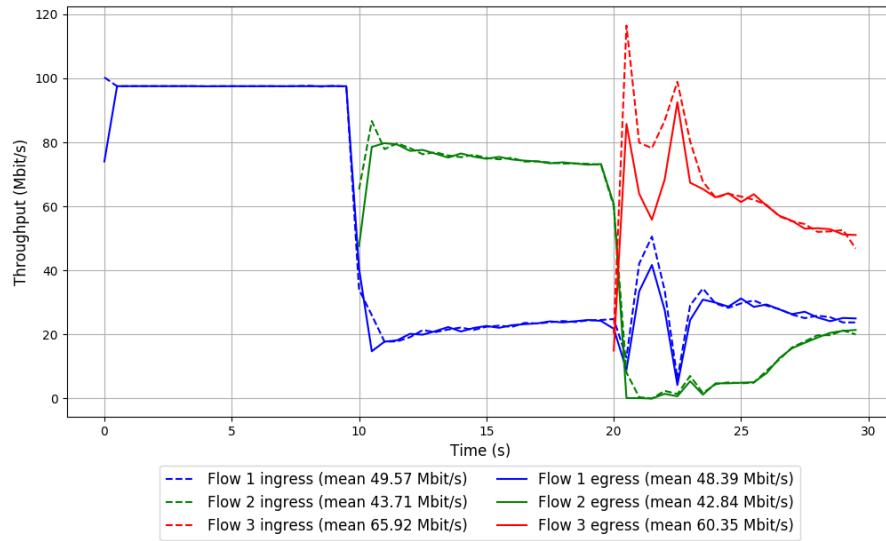


Run 9: Statistics of TCP BBR

```
Start at: 2017-09-22 05:38:22
End at: 2017-09-22 05:38:52
Local clock offset: -0.65 ms
Remote clock offset: -4.083 ms

# Below is generated by plot.py at 2017-09-22 06:29:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 39.551 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 37.829 ms
Loss rate: 2.28%
-- Flow 2:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 40.206 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 40.952 ms
Loss rate: 8.45%
```

Run 9: Report of TCP BBR — Data Link

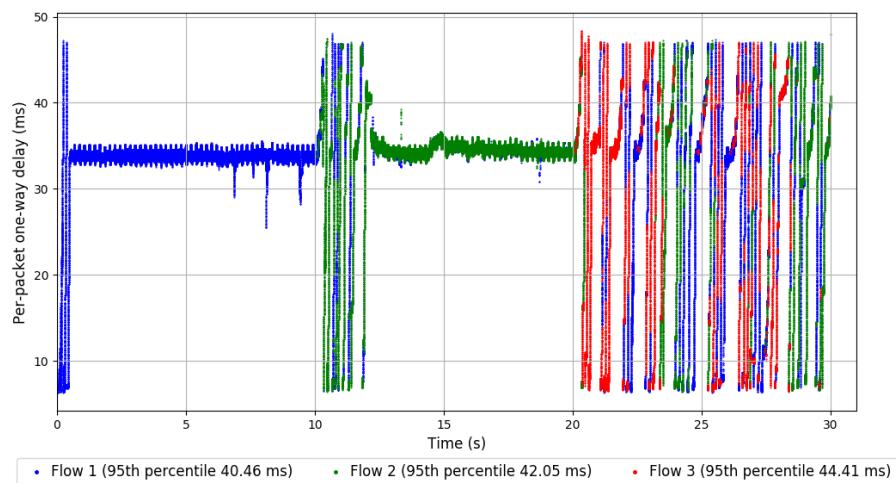
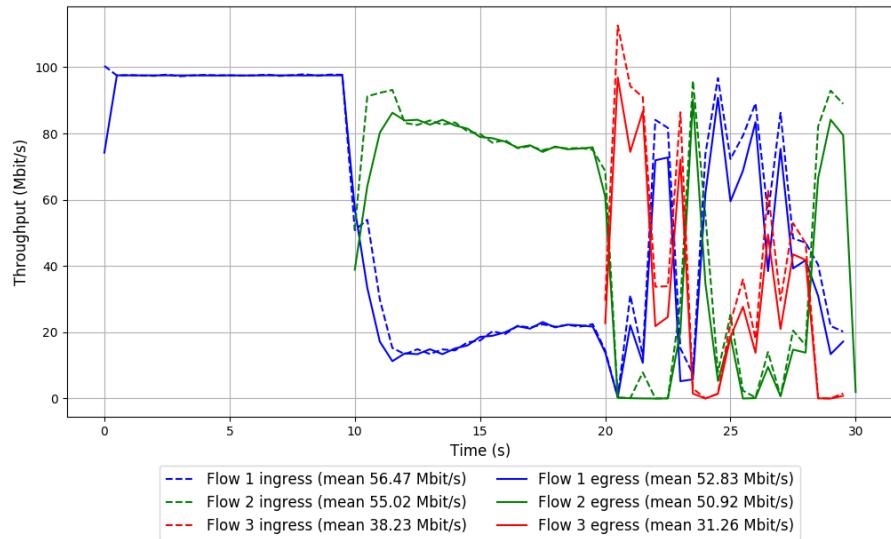


Run 10: Statistics of TCP BBR

```
Start at: 2017-09-22 05:55:09
End at: 2017-09-22 05:55:39
Local clock offset: -0.521 ms
Remote clock offset: -3.581 ms

# Below is generated by plot.py at 2017-09-22 06:29:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 41.852 ms
Loss rate: 8.12%
-- Flow 1:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 40.462 ms
Loss rate: 6.34%
-- Flow 2:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 42.049 ms
Loss rate: 7.39%
-- Flow 3:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 44.409 ms
Loss rate: 18.20%
```

Run 10: Report of TCP BBR — Data Link

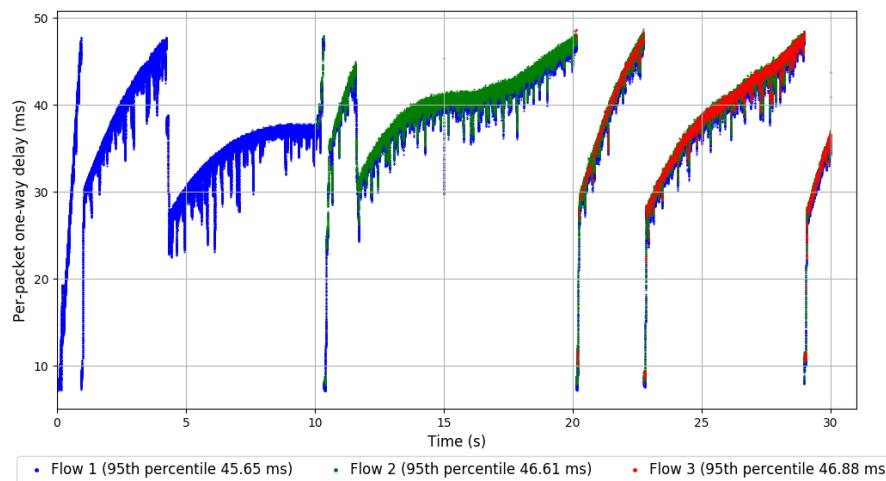
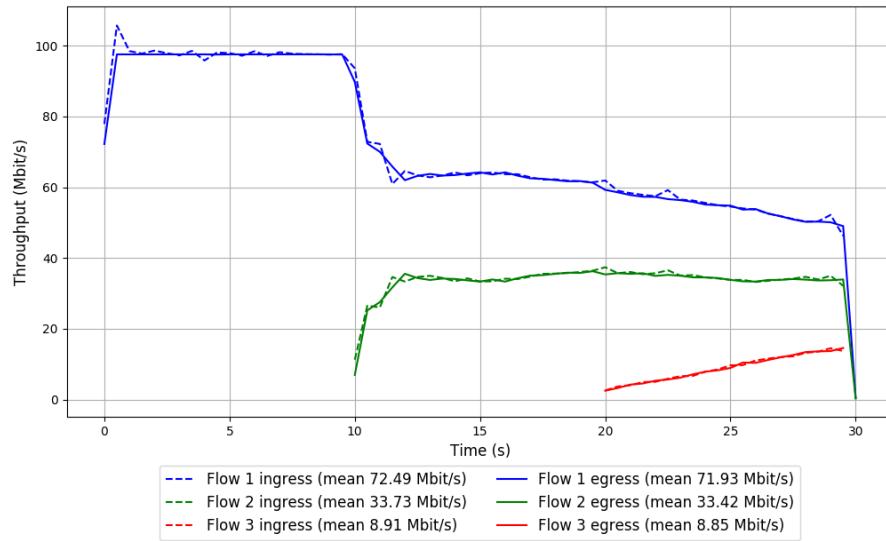


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-09-22 03:00:46
End at: 2017-09-22 03:01:16
Local clock offset: 0.348 ms
Remote clock offset: -2.268 ms

# Below is generated by plot.py at 2017-09-22 06:29:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 45.934 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 71.93 Mbit/s
95th percentile per-packet one-way delay: 45.653 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 33.42 Mbit/s
95th percentile per-packet one-way delay: 46.609 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 46.884 ms
Loss rate: 0.75%
```

Run 1: Report of TCP Cubic — Data Link

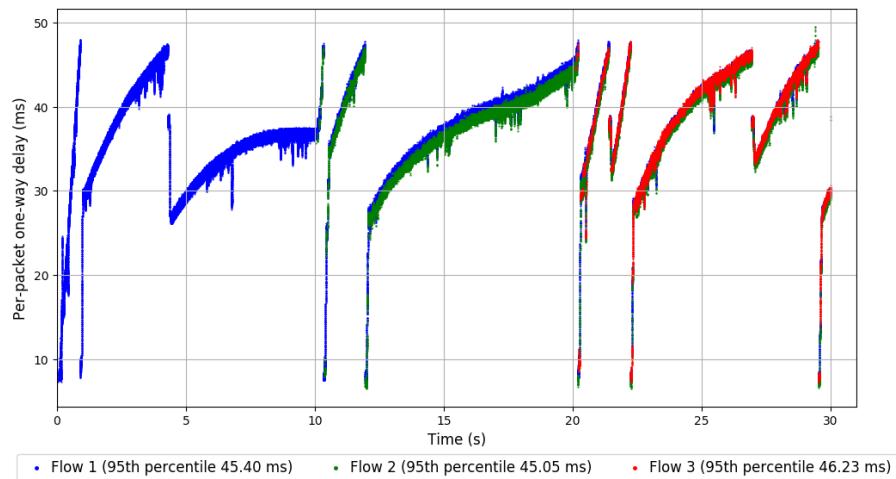
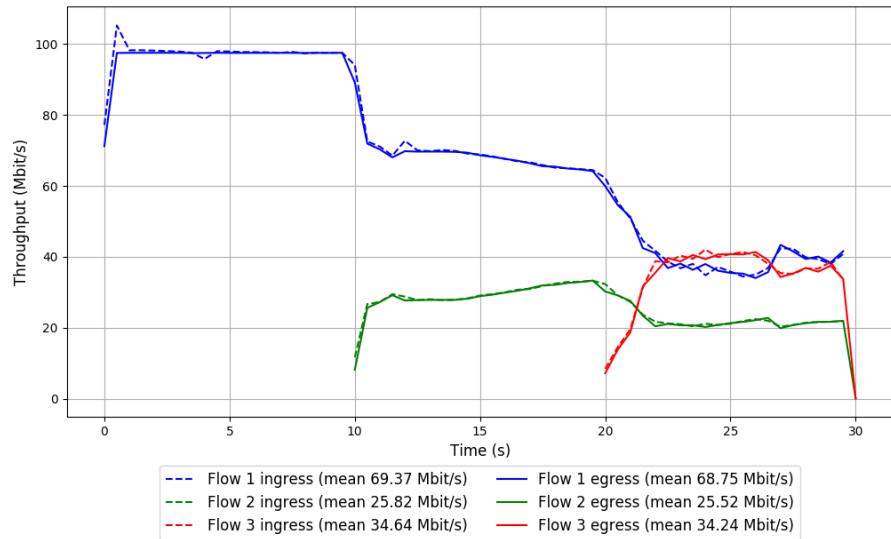


Run 2: Statistics of TCP Cubic

```
Start at: 2017-09-22 03:39:00
End at: 2017-09-22 03:39:30
Local clock offset: 0.853 ms
Remote clock offset: -1.992 ms

# Below is generated by plot.py at 2017-09-22 06:29:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 45.527 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: 45.395 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 45.046 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 46.234 ms
Loss rate: 1.20%
```

Run 2: Report of TCP Cubic — Data Link

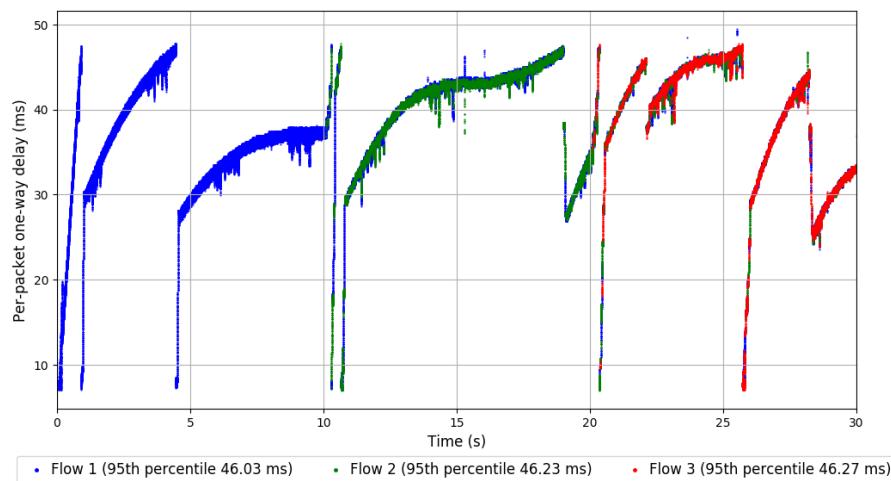
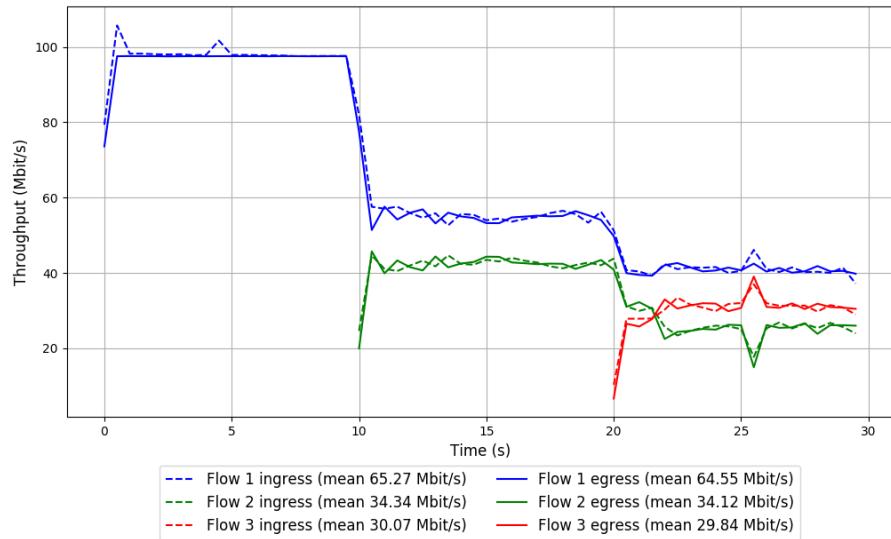


Run 3: Statistics of TCP Cubic

```
Start at: 2017-09-22 03:56:49
End at: 2017-09-22 03:57:19
Local clock offset: 0.465 ms
Remote clock offset: -2.336 ms

# Below is generated by plot.py at 2017-09-22 06:29:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 46.188 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 64.55 Mbit/s
95th percentile per-packet one-way delay: 46.030 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 46.233 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 46.267 ms
Loss rate: 0.75%
```

Run 3: Report of TCP Cubic — Data Link

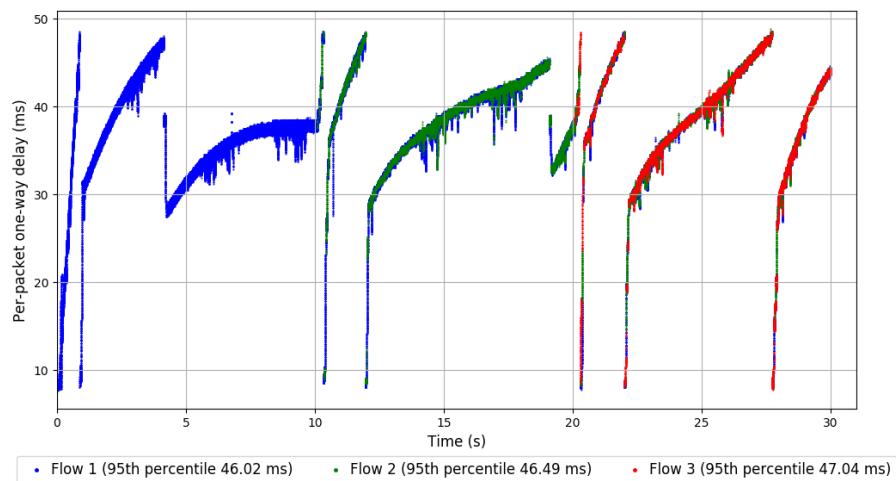
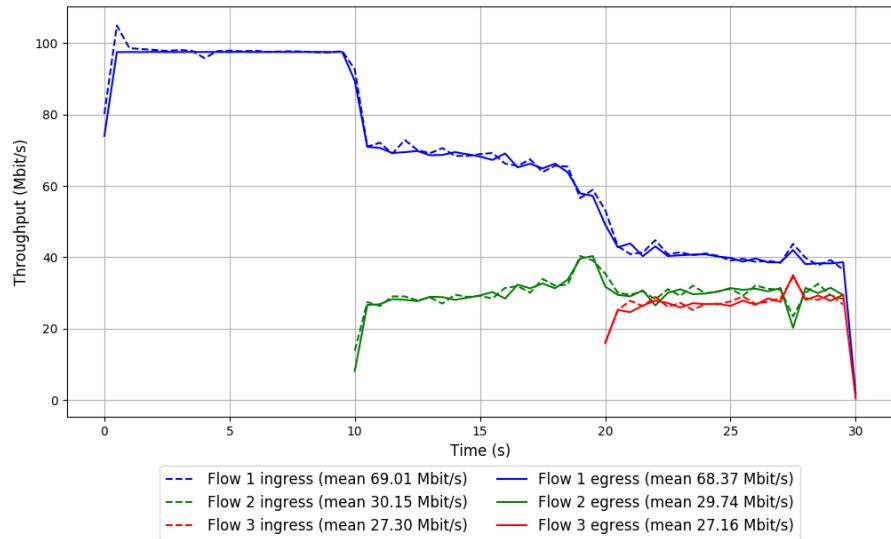


Run 4: Statistics of TCP Cubic

```
Start at: 2017-09-22 04:15:17
End at: 2017-09-22 04:15:47
Local clock offset: -0.532 ms
Remote clock offset: -1.495 ms

# Below is generated by plot.py at 2017-09-22 06:29:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 46.283 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 46.023 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 46.488 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 27.16 Mbit/s
95th percentile per-packet one-way delay: 47.039 ms
Loss rate: 0.45%
```

Run 4: Report of TCP Cubic — Data Link

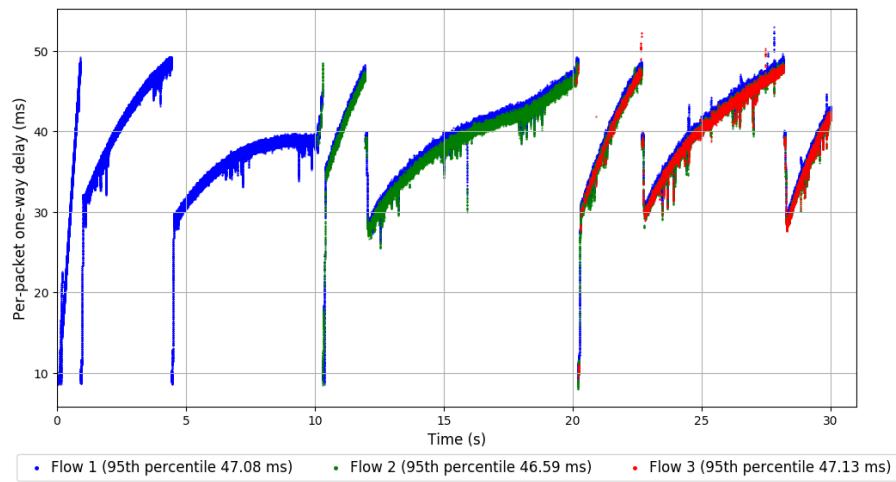
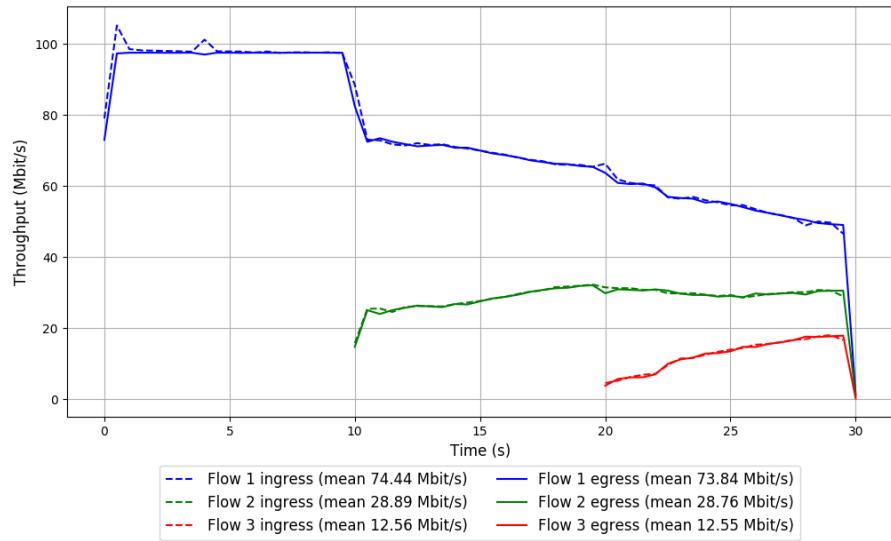


Run 5: Statistics of TCP Cubic

```
Start at: 2017-09-22 04:33:58
End at: 2017-09-22 04:34:28
Local clock offset: -1.862 ms
Remote clock offset: -2.878 ms

# Below is generated by plot.py at 2017-09-22 06:29:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 47.033 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 47.084 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 46.589 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 47.126 ms
Loss rate: 0.14%
```

Run 5: Report of TCP Cubic — Data Link

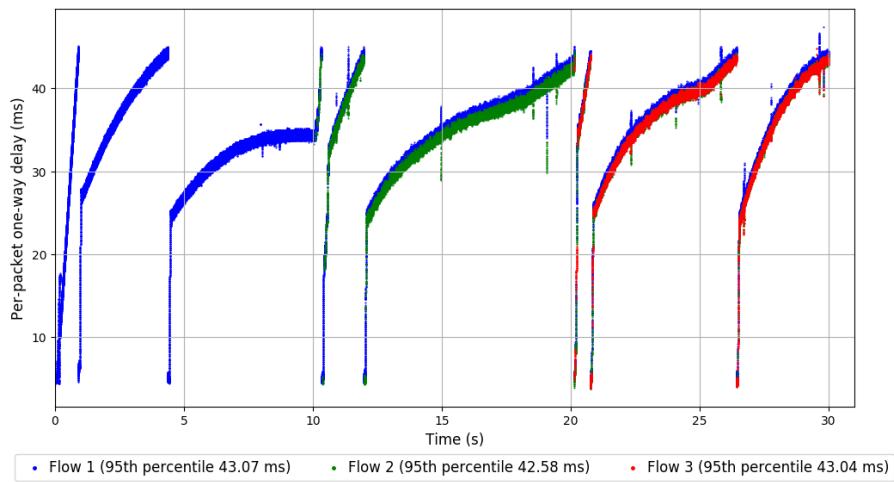
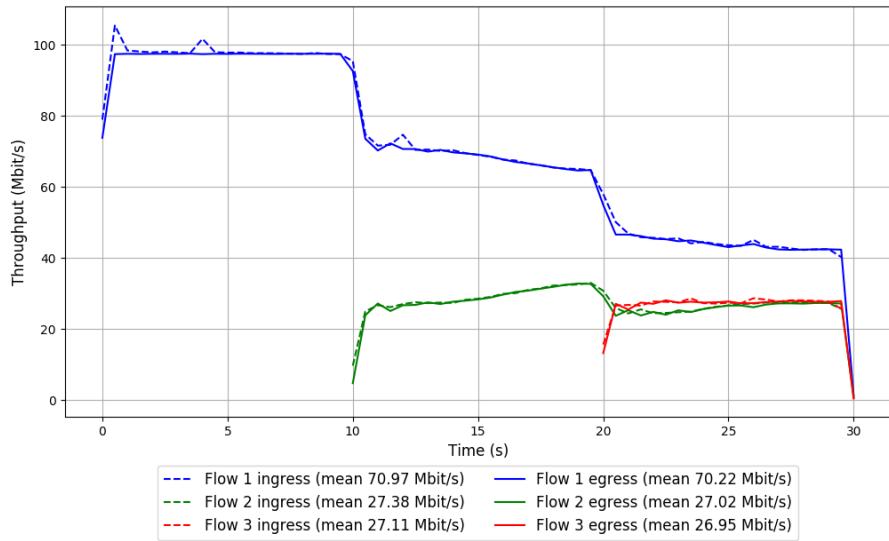


Run 6: Statistics of TCP Cubic

```
Start at: 2017-09-22 04:51:07
End at: 2017-09-22 04:51:37
Local clock offset: 0.729 ms
Remote clock offset: -5.09 ms

# Below is generated by plot.py at 2017-09-22 06:29:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 43.037 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 70.22 Mbit/s
95th percentile per-packet one-way delay: 43.069 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 42.583 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 43.040 ms
Loss rate: 0.58%
```

Run 6: Report of TCP Cubic — Data Link

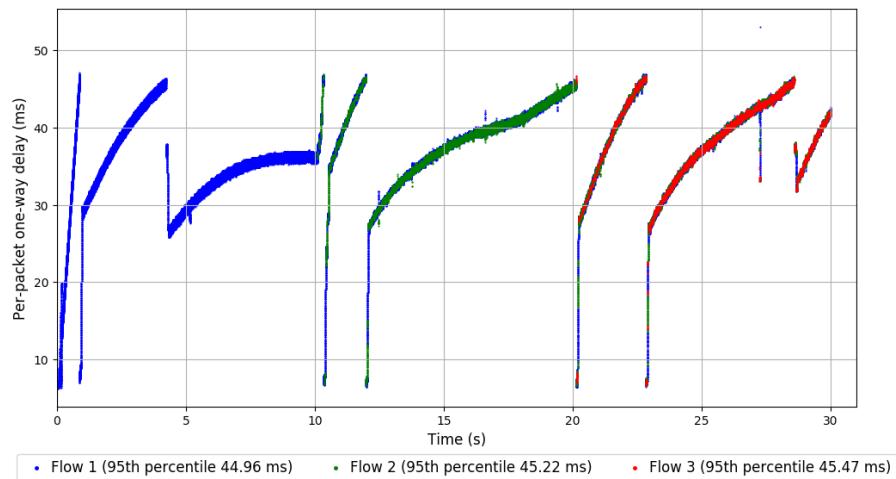
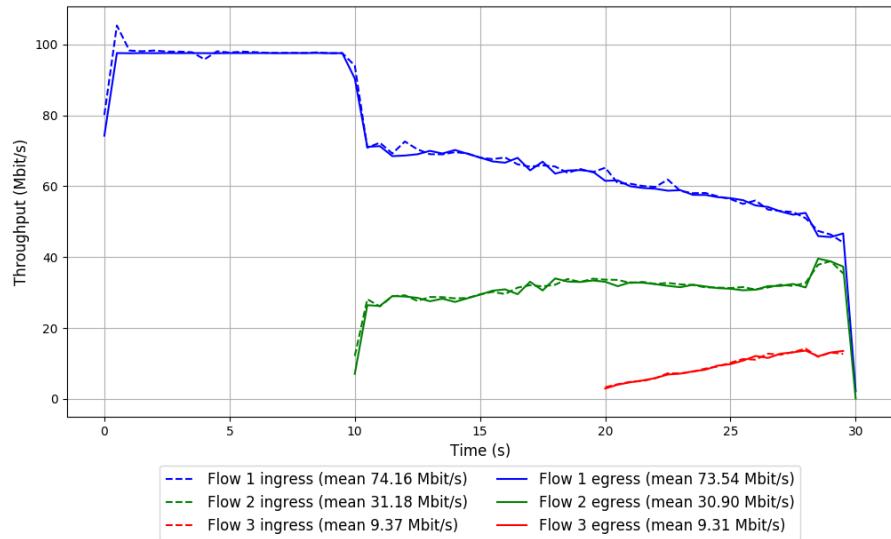


Run 7: Statistics of TCP Cubic

```
Start at: 2017-09-22 05:07:53
End at: 2017-09-22 05:08:23
Local clock offset: -1.172 ms
Remote clock offset: -4.653 ms

# Below is generated by plot.py at 2017-09-22 06:30:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 45.139 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 44.962 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 45.220 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 45.467 ms
Loss rate: 0.67%
```

Run 7: Report of TCP Cubic — Data Link

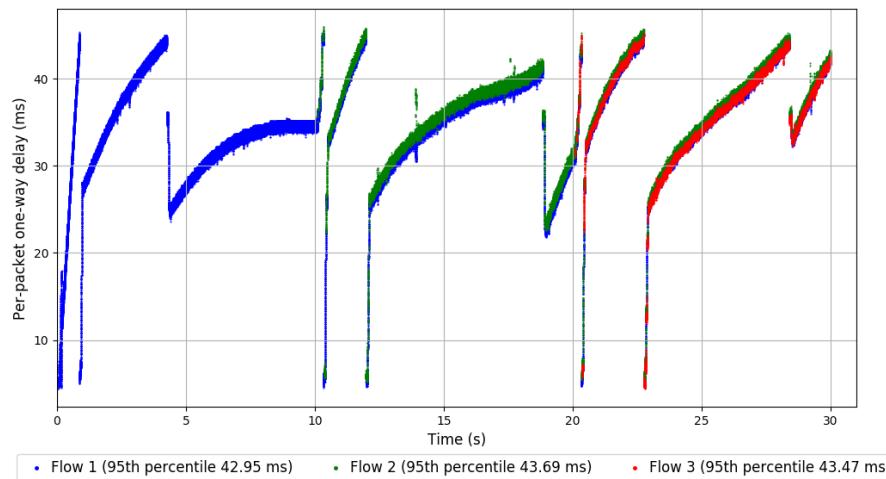
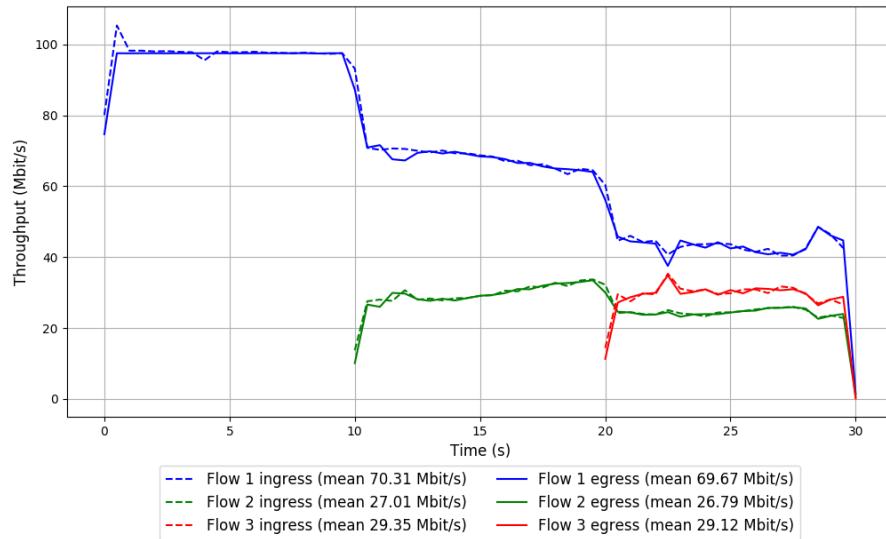


Run 8: Statistics of TCP Cubic

```
Start at: 2017-09-22 05:24:46
End at: 2017-09-22 05:25:16
Local clock offset: 0.798 ms
Remote clock offset: -4.551 ms

# Below is generated by plot.py at 2017-09-22 06:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 43.198 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 69.67 Mbit/s
95th percentile per-packet one-way delay: 42.953 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 43.687 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 43.473 ms
Loss rate: 0.80%
```

Run 8: Report of TCP Cubic — Data Link

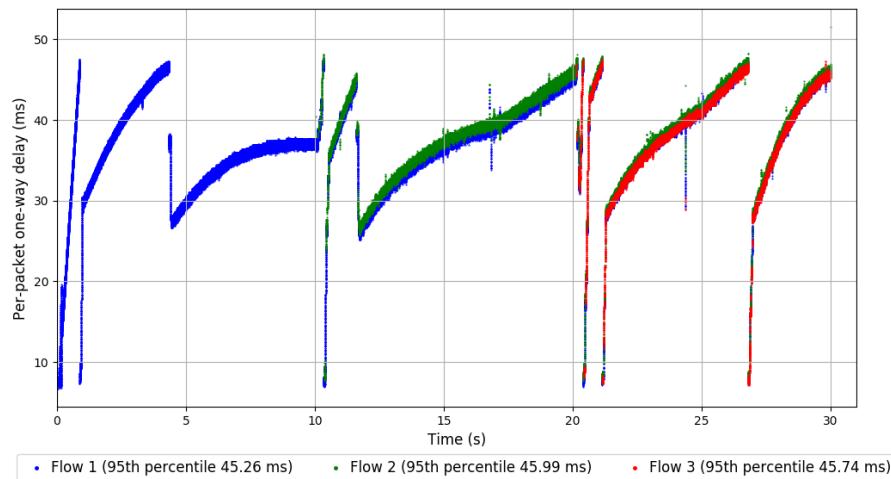
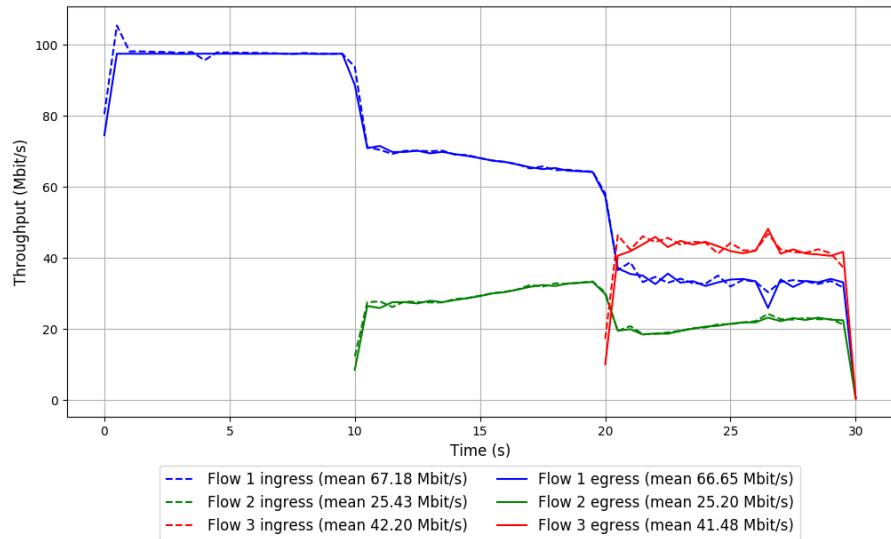


Run 9: Statistics of TCP Cubic

```
Start at: 2017-09-22 05:41:49
End at: 2017-09-22 05:42:19
Local clock offset: -1.013 ms
Remote clock offset: -4.054 ms

# Below is generated by plot.py at 2017-09-22 06:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 45.514 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 66.65 Mbit/s
95th percentile per-packet one-way delay: 45.260 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 45.988 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 41.48 Mbit/s
95th percentile per-packet one-way delay: 45.744 ms
Loss rate: 1.66%
```

Run 9: Report of TCP Cubic — Data Link

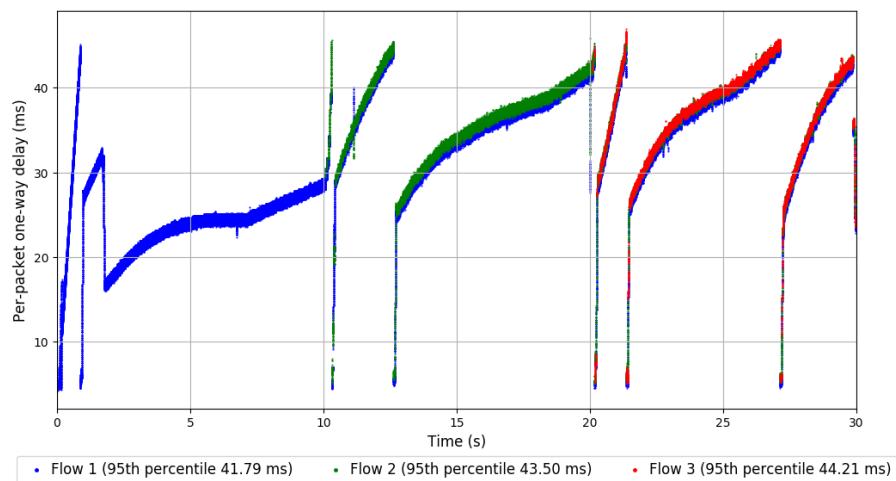
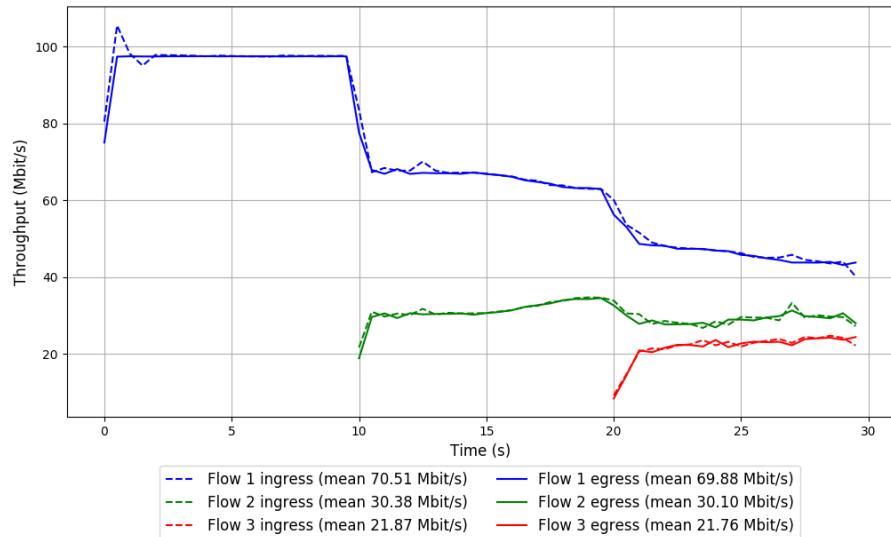


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-09-22 05:58:37
End at: 2017-09-22 05:59:07
Local clock offset: 1.604 ms
Remote clock offset: -3.548 ms

# Below is generated by plot.py at 2017-09-22 06:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 42.704 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 41.789 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 43.498 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 21.76 Mbit/s
95th percentile per-packet one-way delay: 44.206 ms
Loss rate: 0.70%
```

Run 10: Report of TCP Cubic — Data Link

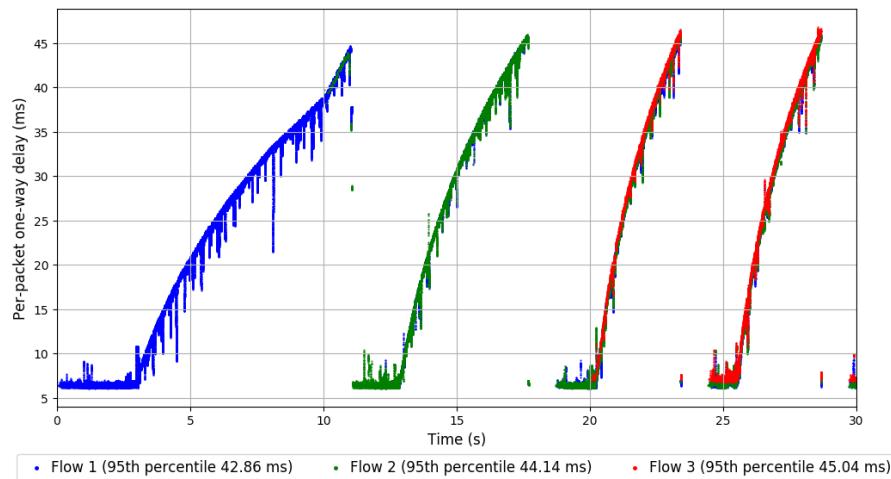
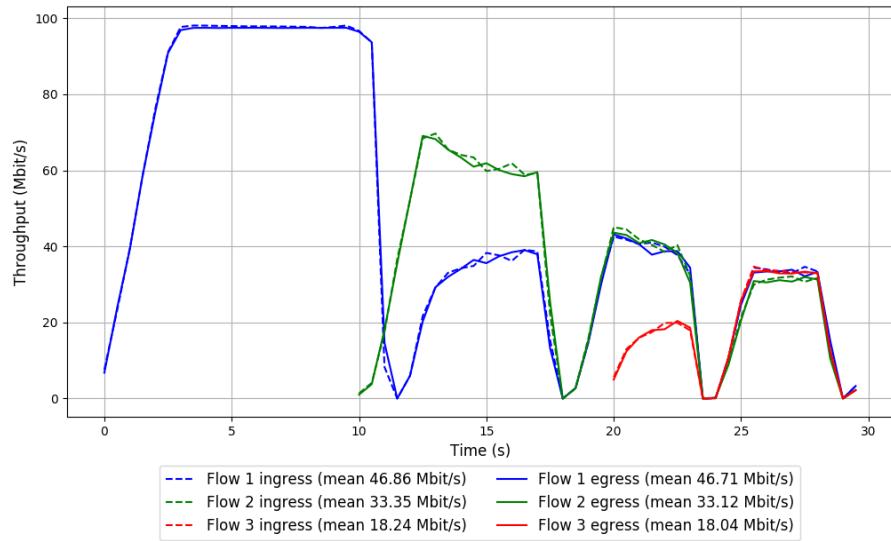


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-09-22 03:10:45
End at: 2017-09-22 03:11:15
Local clock offset: 1.466 ms
Remote clock offset: -1.995 ms

# Below is generated by plot.py at 2017-09-22 06:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.70 Mbit/s
95th percentile per-packet one-way delay: 43.457 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 42.863 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 44.144 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 45.040 ms
Loss rate: 1.07%
```

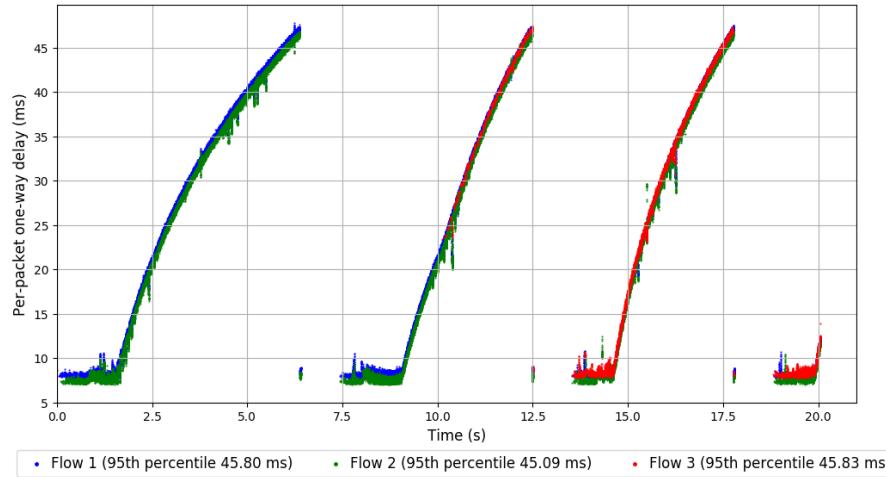
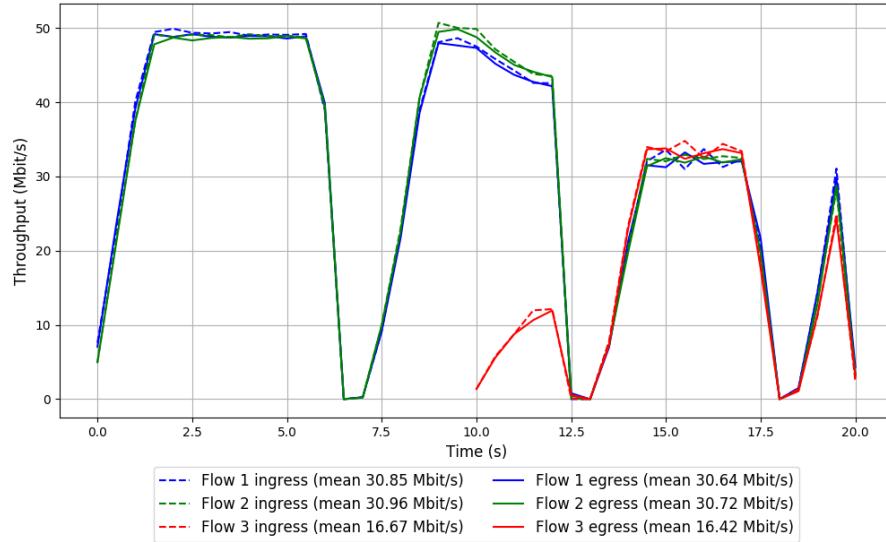
Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-09-22 03:43:11
End at: 2017-09-22 03:43:41
Local clock offset: 0.719 ms
Remote clock offset: -1.535 ms

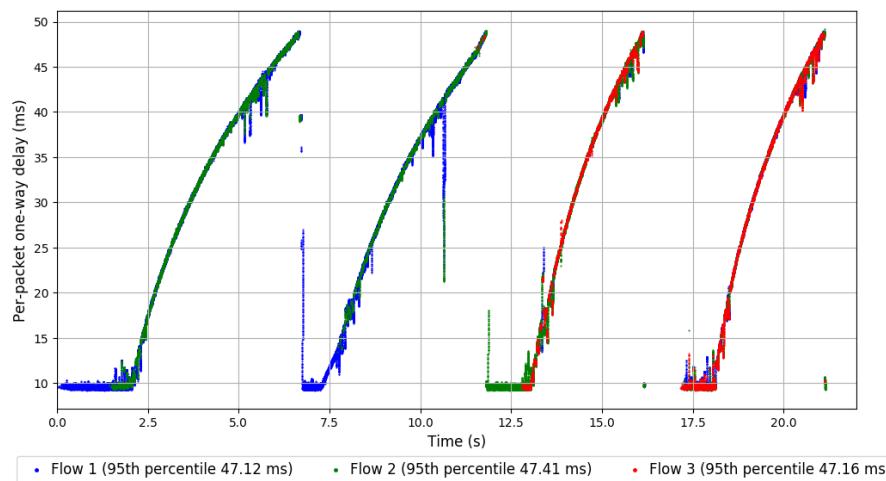
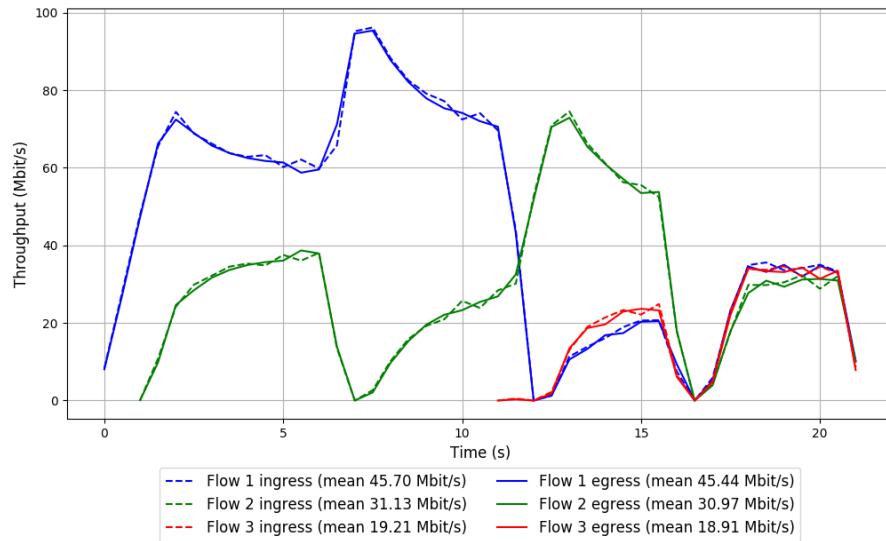
Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-09-22 04:00:49
End at: 2017-09-22 04:01:19
Local clock offset: -2.198 ms
Remote clock offset: -1.994 ms

Run 3: Report of LEDBAT — Data Link

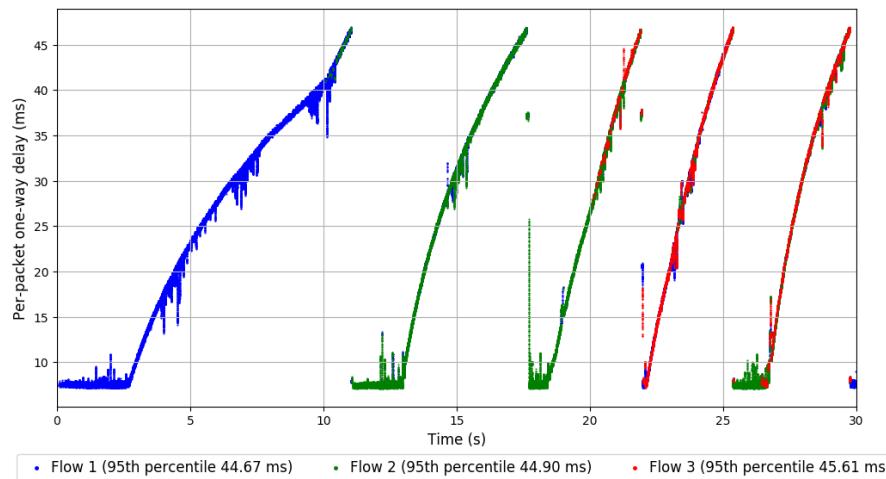
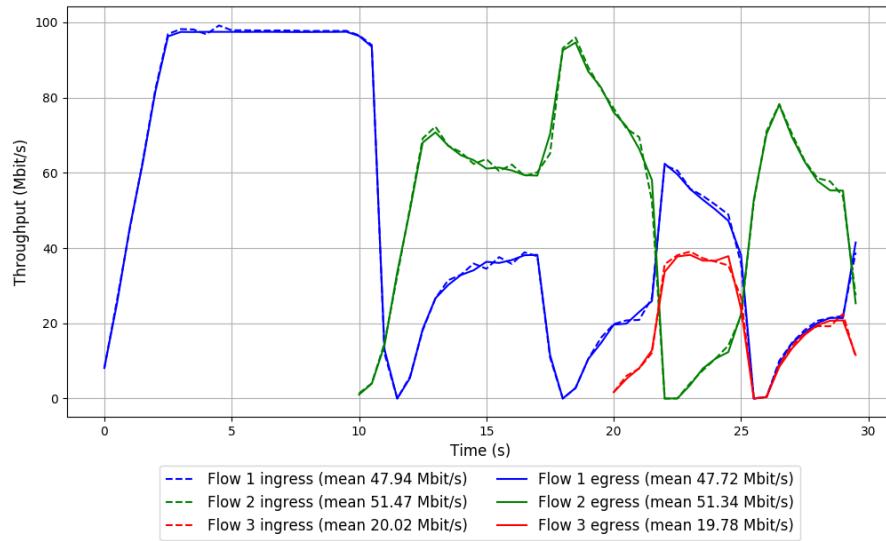


Run 4: Statistics of LEDBAT

```
Start at: 2017-09-22 04:19:45
End at: 2017-09-22 04:20:15
Local clock offset: 0.409 ms
Remote clock offset: -1.895 ms

# Below is generated by plot.py at 2017-09-22 06:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 44.897 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 47.72 Mbit/s
95th percentile per-packet one-way delay: 44.674 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 44.904 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 45.606 ms
Loss rate: 1.40%
```

Run 4: Report of LEDBAT — Data Link

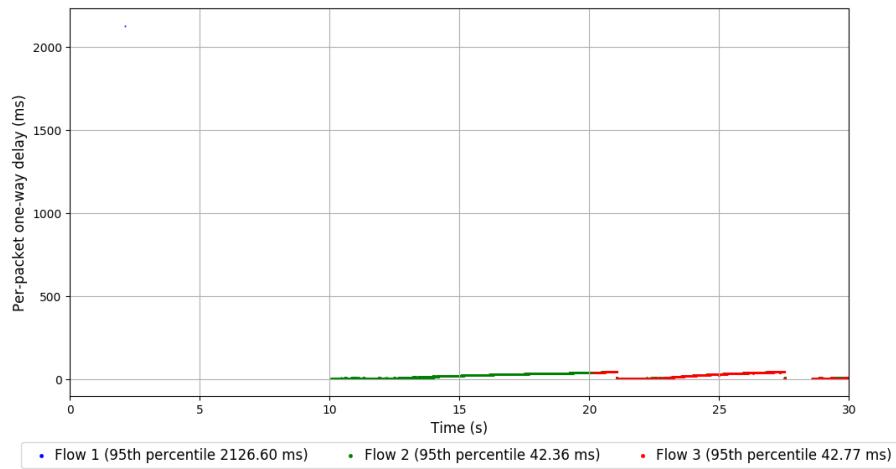
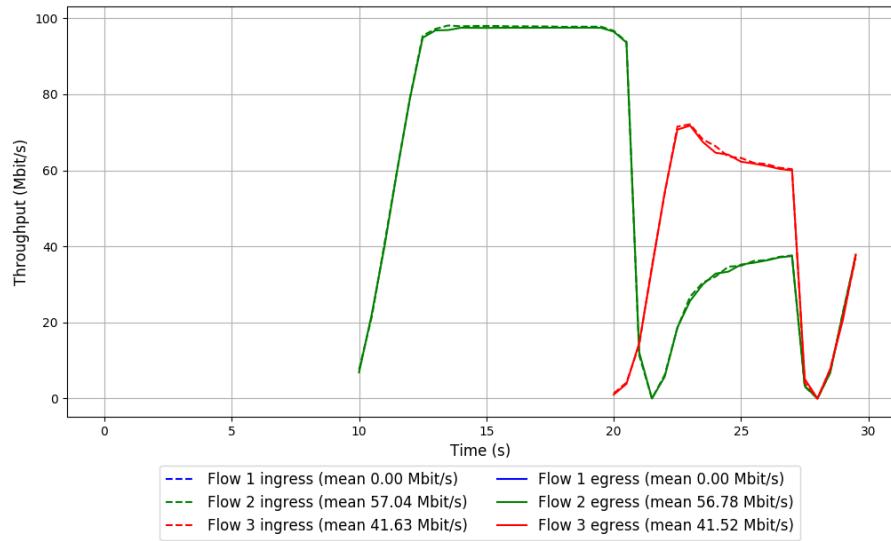


Run 5: Statistics of LEDBAT

```
Start at: 2017-09-22 04:37:58
End at: 2017-09-22 04:38:28
Local clock offset: -0.148 ms
Remote clock offset: -4.265 ms

# Below is generated by plot.py at 2017-09-22 06:30:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 42.550 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2126.597 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 42.359 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 42.771 ms
Loss rate: 0.59%
```

Run 5: Report of LEDBAT — Data Link

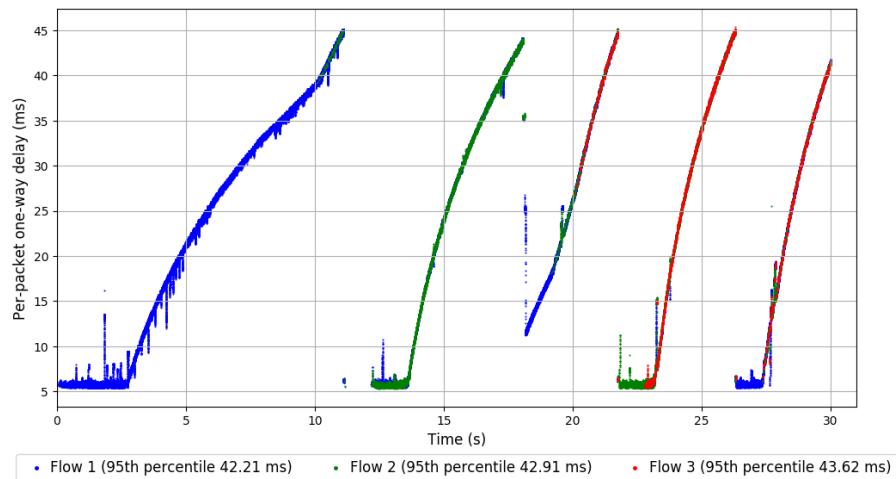
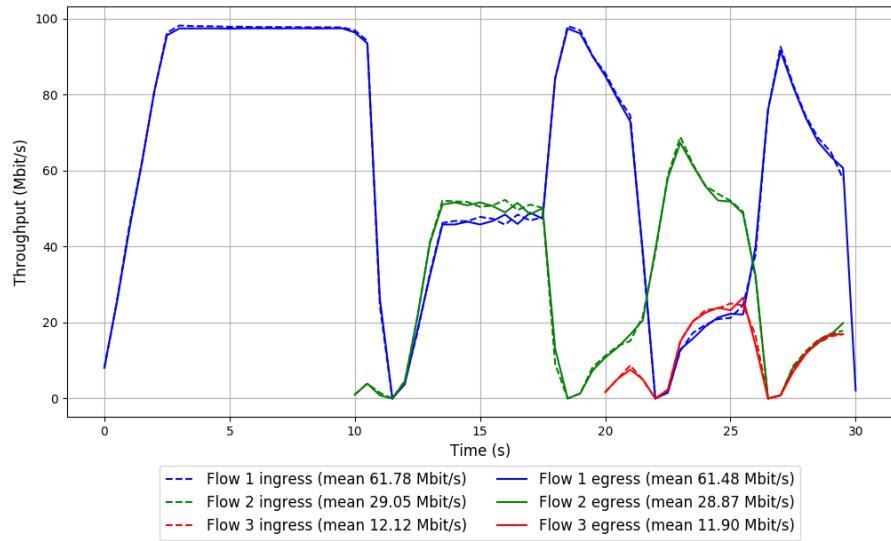


Run 6: Statistics of LEDBAT

```
Start at: 2017-09-22 04:54:50
End at: 2017-09-22 04:55:20
Local clock offset: 0.819 ms
Remote clock offset: -4.039 ms

# Below is generated by plot.py at 2017-09-22 06:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 42.608 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 61.48 Mbit/s
95th percentile per-packet one-way delay: 42.206 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 42.905 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 43.615 ms
Loss rate: 1.65%
```

Run 6: Report of LEDBAT — Data Link

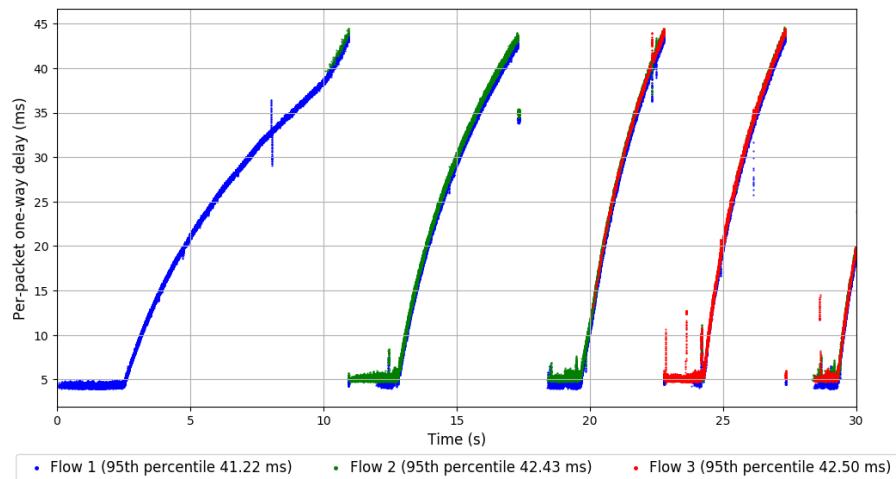
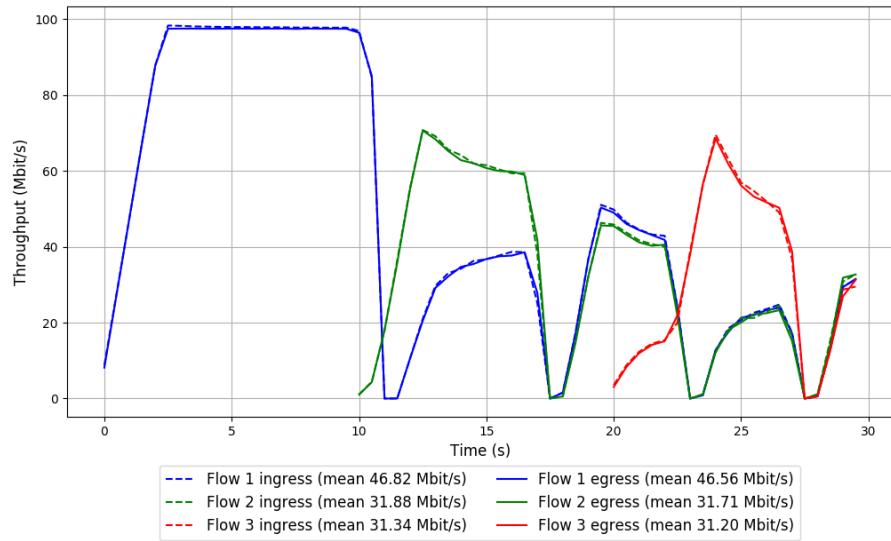


Run 7: Statistics of LEDBAT

```
Start at: 2017-09-22 05:11:41
End at: 2017-09-22 05:12:11
Local clock offset: 1.049 ms
Remote clock offset: -4.647 ms

# Below is generated by plot.py at 2017-09-22 06:31:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 41.751 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 41.220 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 42.431 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 42.504 ms
Loss rate: 0.38%
```

Run 7: Report of LEDBAT — Data Link

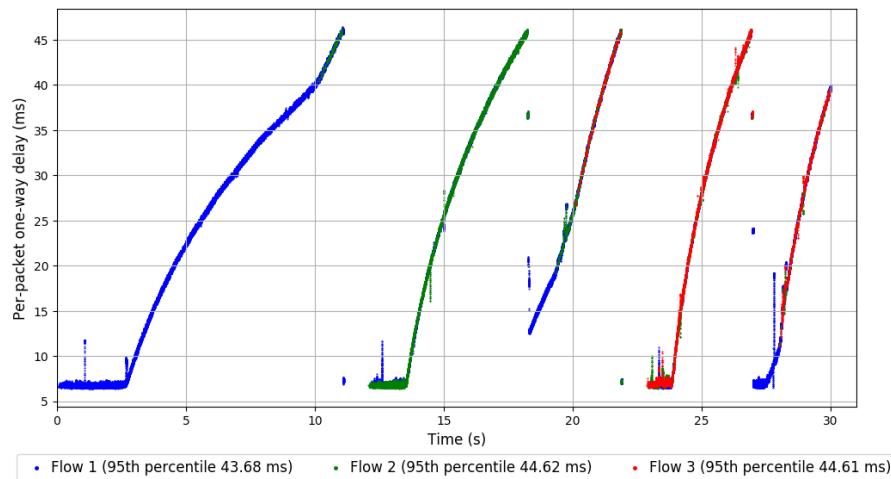
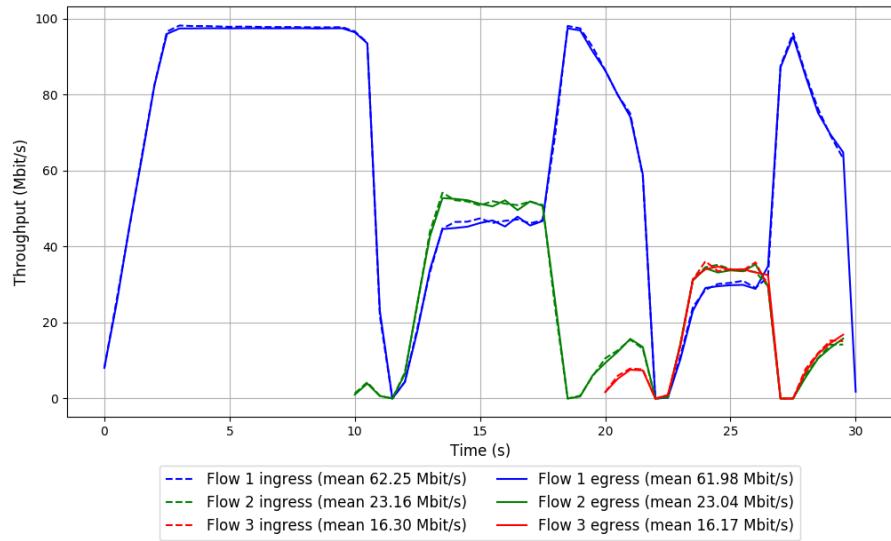


Run 8: Statistics of LEDBAT

```
Start at: 2017-09-22 05:28:33
End at: 2017-09-22 05:29:03
Local clock offset: 0.021 ms
Remote clock offset: -4.089 ms

# Below is generated by plot.py at 2017-09-22 06:31:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 43.956 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 43.677 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 44.620 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 44.607 ms
Loss rate: 0.65%
```

Run 8: Report of LEDBAT — Data Link

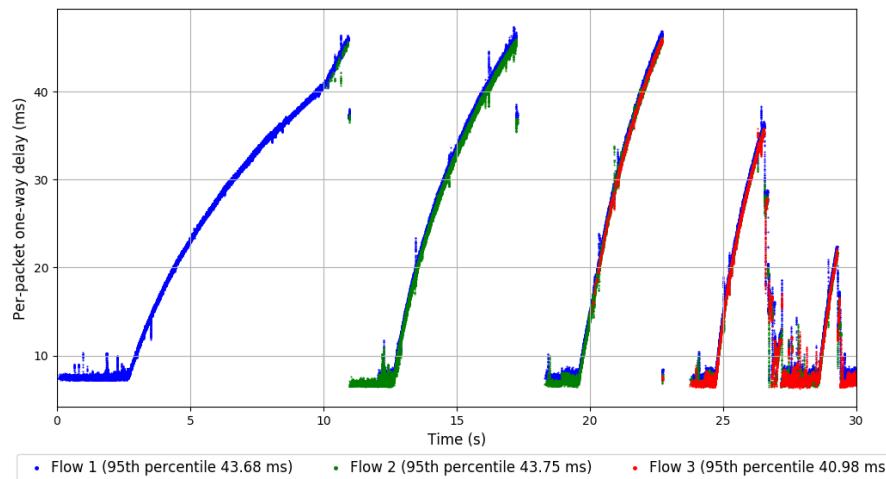
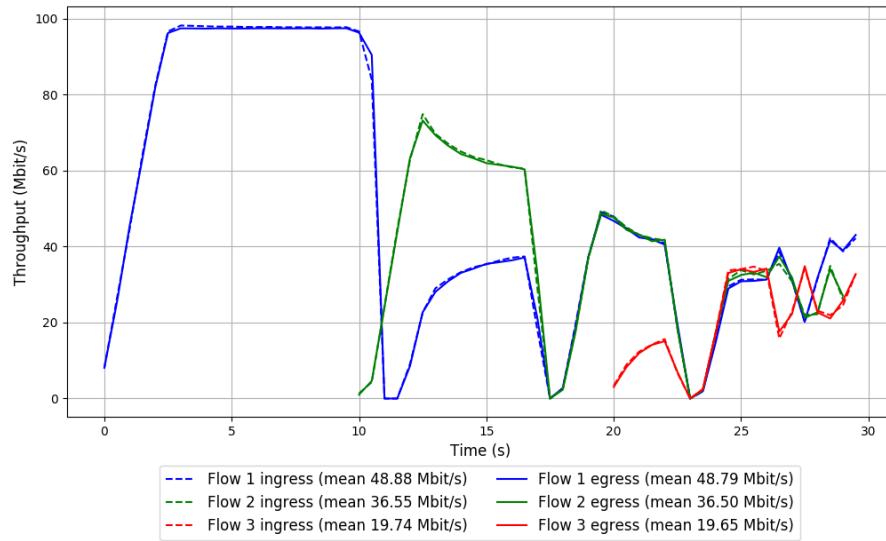


Run 9: Statistics of LEDBAT

```
Start at: 2017-09-22 05:45:33
End at: 2017-09-22 05:46:03
Local clock offset: -0.847 ms
Remote clock offset: -4.09 ms

# Below is generated by plot.py at 2017-09-22 06:31:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 43.616 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 43.679 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 43.751 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 19.65 Mbit/s
95th percentile per-packet one-way delay: 40.978 ms
Loss rate: 0.50%
```

Run 9: Report of LEDBAT — Data Link

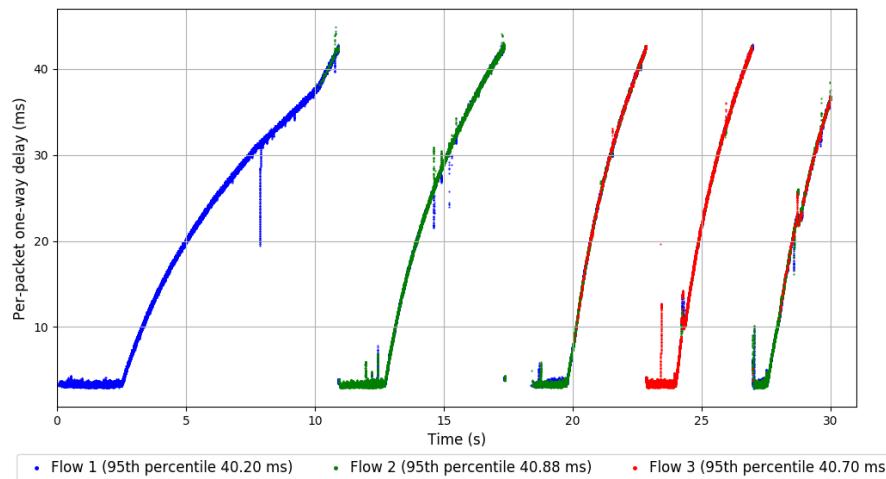
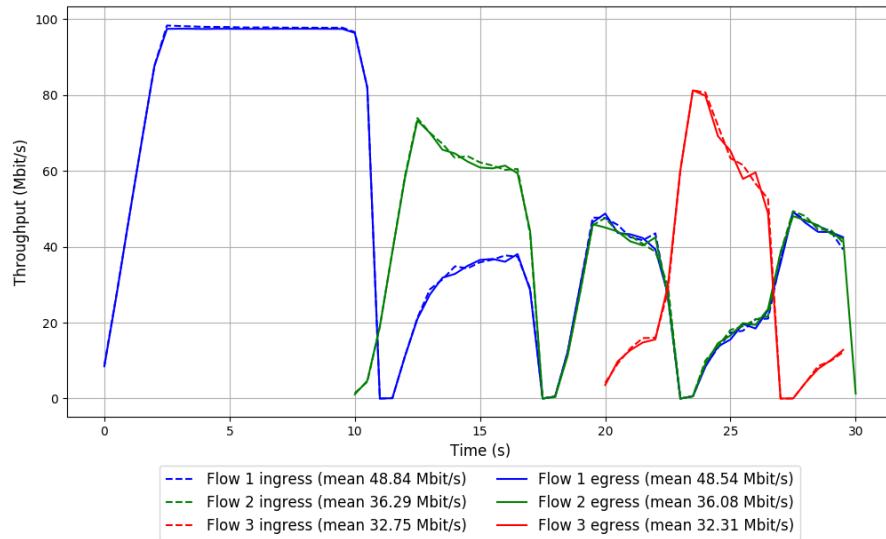


Run 10: Statistics of LEDBAT

```
Start at: 2017-09-22 06:02:20
End at: 2017-09-22 06:02:50
Local clock offset: 3.048 ms
Remote clock offset: -3.386 ms

# Below is generated by plot.py at 2017-09-22 06:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 40.467 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 40.200 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 40.884 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 40.695 ms
Loss rate: 1.06%
```

Run 10: Report of LEDBAT — Data Link

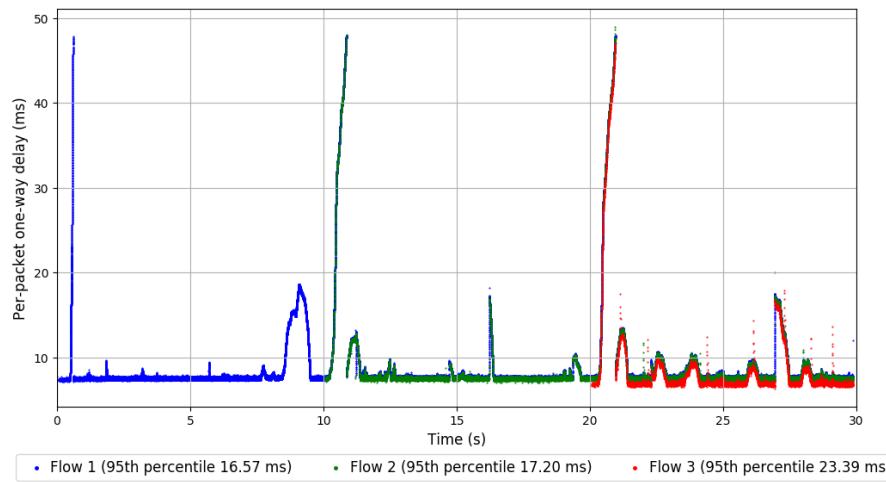
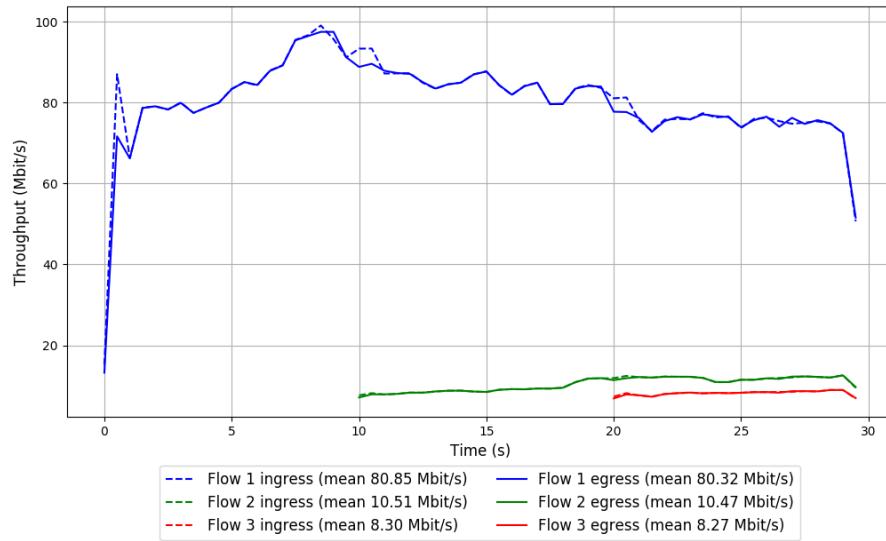


Run 1: Statistics of PCC

```
Start at: 2017-09-22 02:44:35
End at: 2017-09-22 02:45:05
Local clock offset: 1.479 ms
Remote clock offset: -1.883 ms

# Below is generated by plot.py at 2017-09-22 06:32:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 16.614 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 80.32 Mbit/s
95th percentile per-packet one-way delay: 16.574 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 10.47 Mbit/s
95th percentile per-packet one-way delay: 17.201 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 23.387 ms
Loss rate: 0.39%
```

Run 1: Report of PCC — Data Link

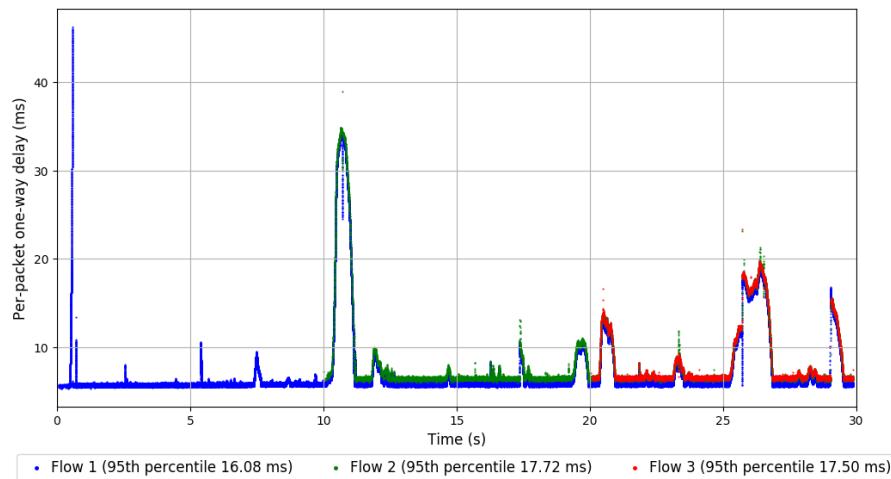
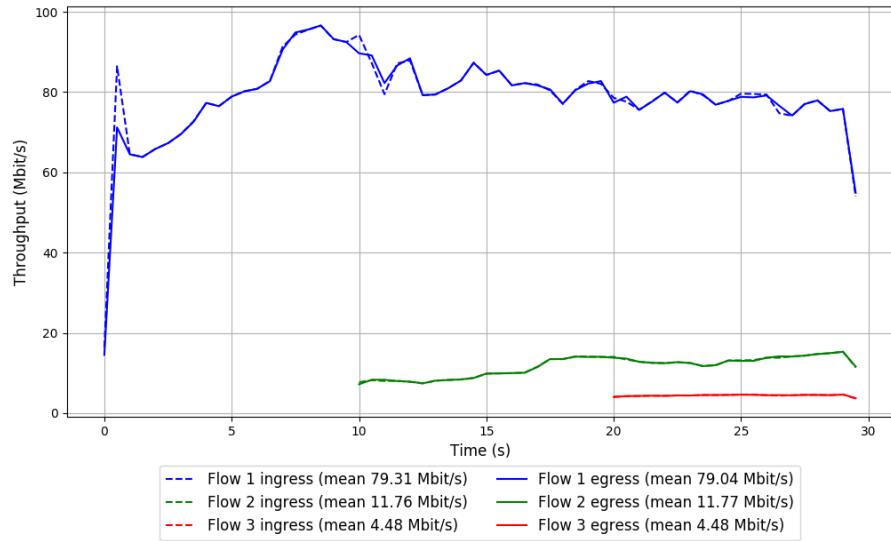


Run 2: Statistics of PCC

```
Start at: 2017-09-22 03:16:13
End at: 2017-09-22 03:16:43
Local clock offset: 1.265 ms
Remote clock offset: -2.751 ms

# Below is generated by plot.py at 2017-09-22 06:32:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 16.404 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 79.04 Mbit/s
95th percentile per-packet one-way delay: 16.082 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 17.719 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 17.499 ms
Loss rate: 0.00%
```

Run 2: Report of PCC — Data Link

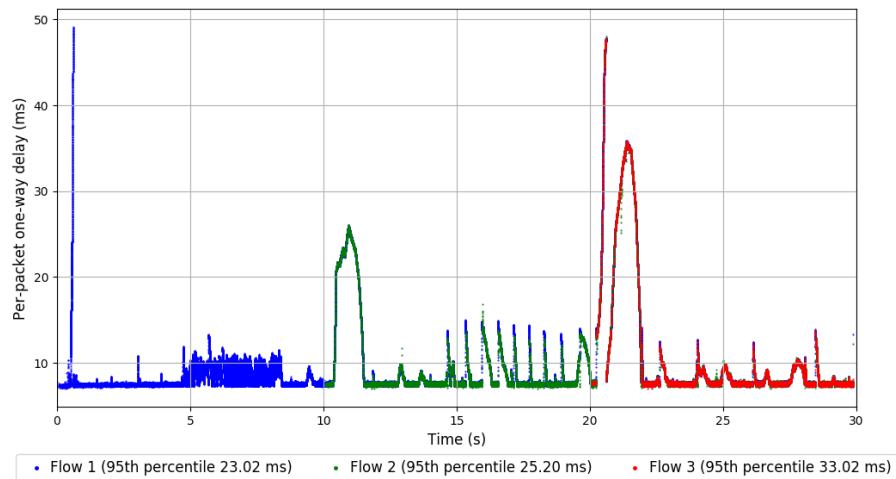
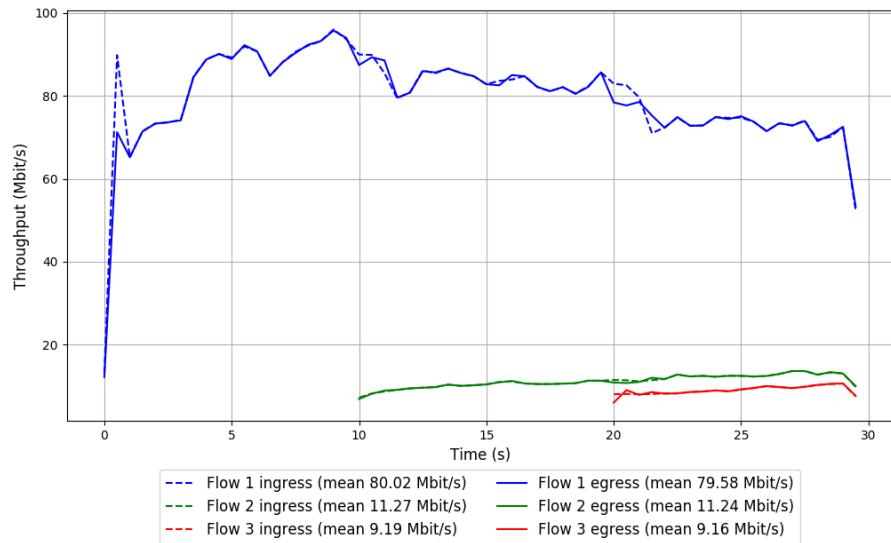


Run 3: Statistics of PCC

```
Start at: 2017-09-22 03:45:46
End at: 2017-09-22 03:46:16
Local clock offset: 0.937 ms
Remote clock offset: -1.878 ms

# Below is generated by plot.py at 2017-09-22 06:32:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 23.352 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 79.58 Mbit/s
95th percentile per-packet one-way delay: 23.016 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 25.198 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 33.018 ms
Loss rate: 0.36%
```

Run 3: Report of PCC — Data Link

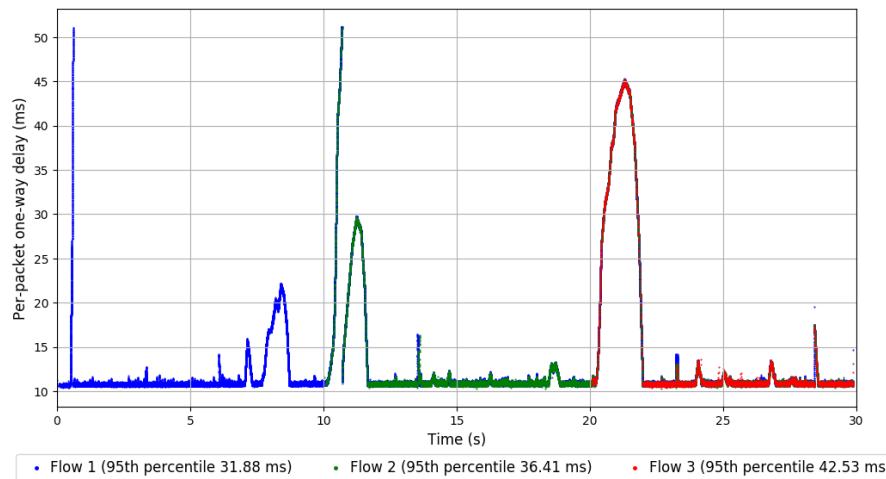
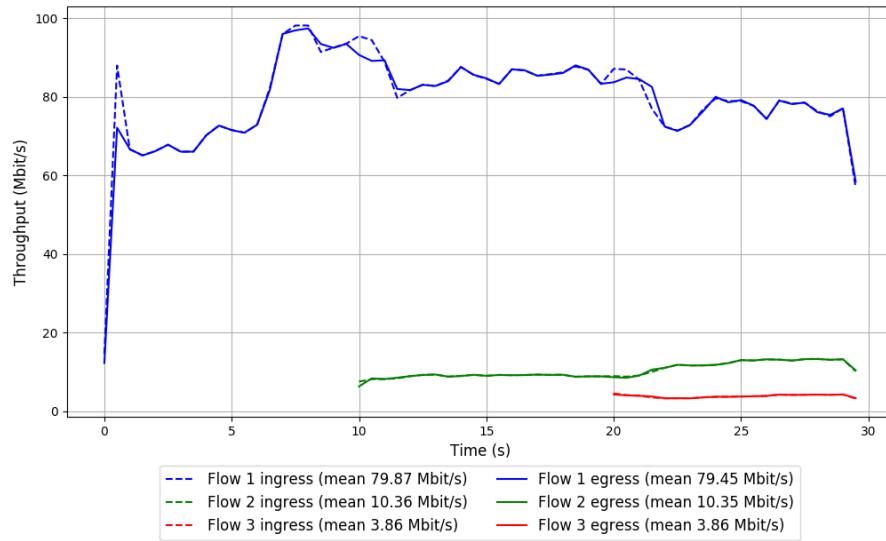


Run 4: Statistics of PCC

```
Start at: 2017-09-22 04:03:23
End at: 2017-09-22 04:03:53
Local clock offset: -2.352 ms
Remote clock offset: -1.461 ms

# Below is generated by plot.py at 2017-09-22 06:32:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 32.655 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 79.45 Mbit/s
95th percentile per-packet one-way delay: 31.881 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 36.409 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 42.526 ms
Loss rate: 0.00%
```

Run 4: Report of PCC — Data Link

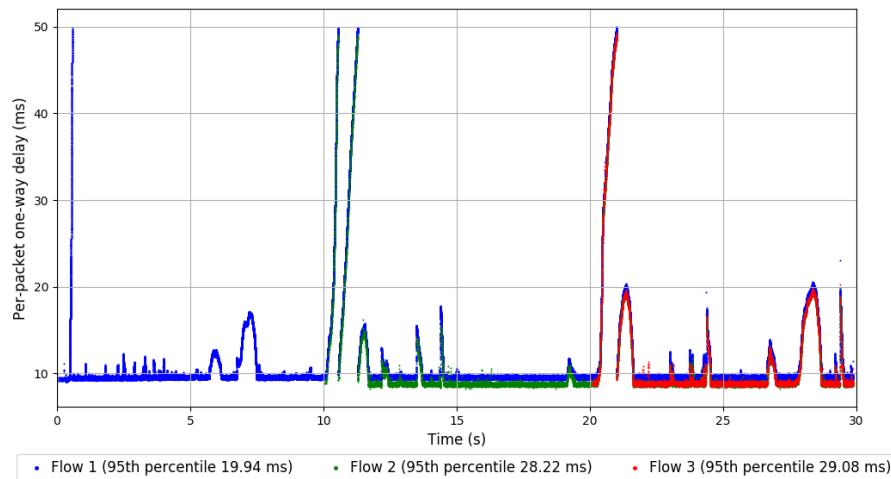
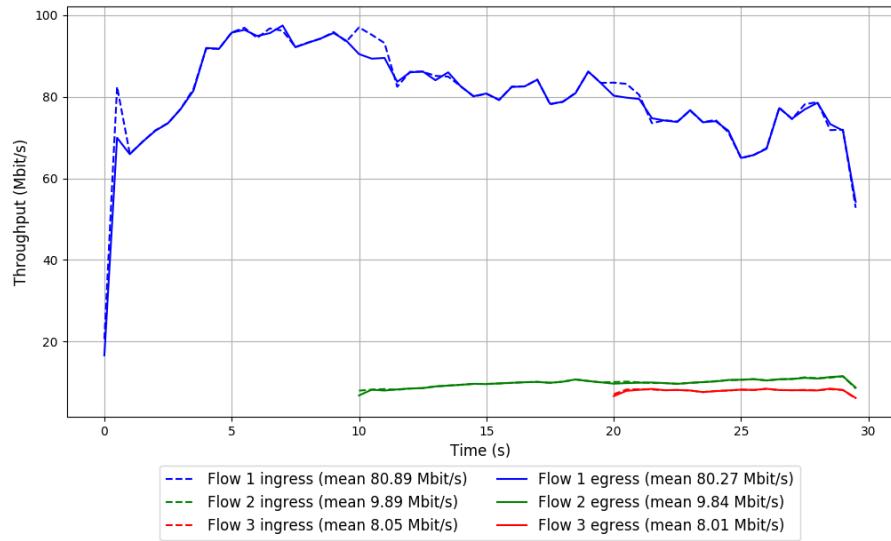


Run 5: Statistics of PCC

```
Start at: 2017-09-22 04:22:28
End at: 2017-09-22 04:22:58
Local clock offset: -2.377 ms
Remote clock offset: -2.613 ms

# Below is generated by plot.py at 2017-09-22 06:32:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 20.041 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 19.939 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 28.218 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 29.083 ms
Loss rate: 0.41%
```

Run 5: Report of PCC — Data Link

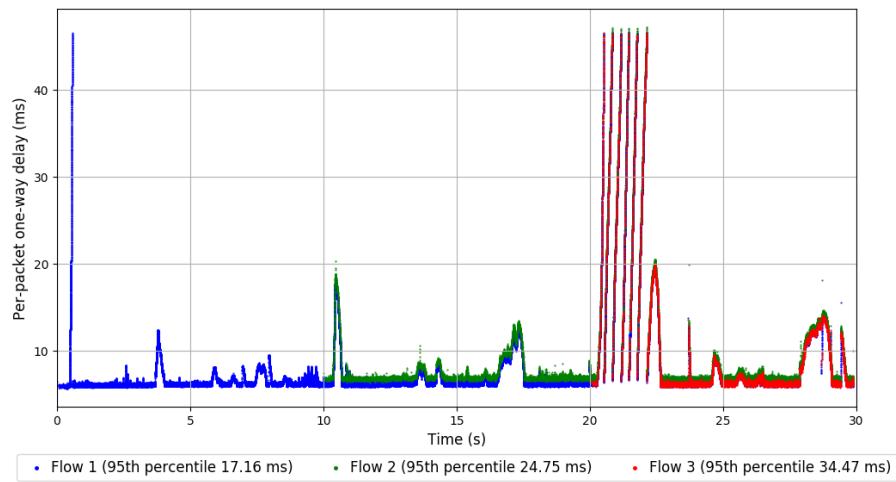
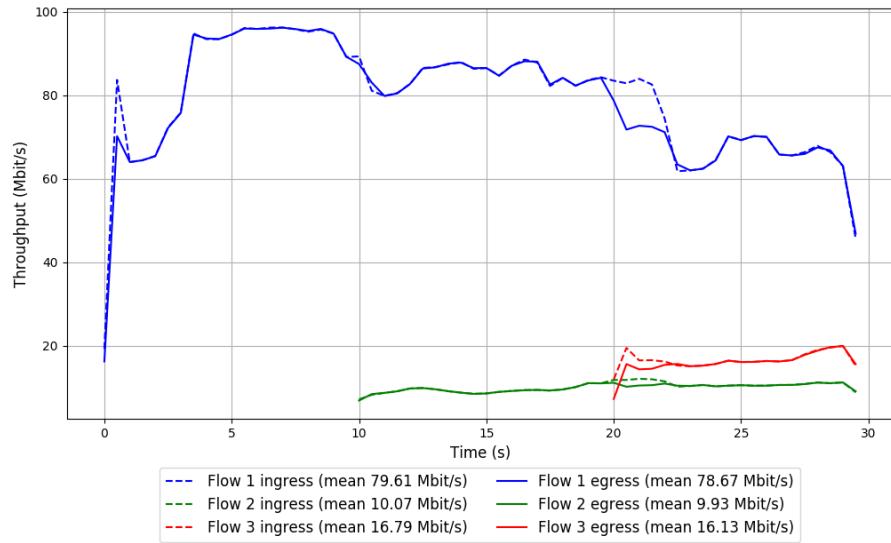


Run 6: Statistics of PCC

```
Start at: 2017-09-22 04:40:25
End at: 2017-09-22 04:40:55
Local clock offset: -0.742 ms
Remote clock offset: -3.879 ms

# Below is generated by plot.py at 2017-09-22 06:33:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 18.716 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: 17.156 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 24.751 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 34.465 ms
Loss rate: 3.93%
```

Run 6: Report of PCC — Data Link

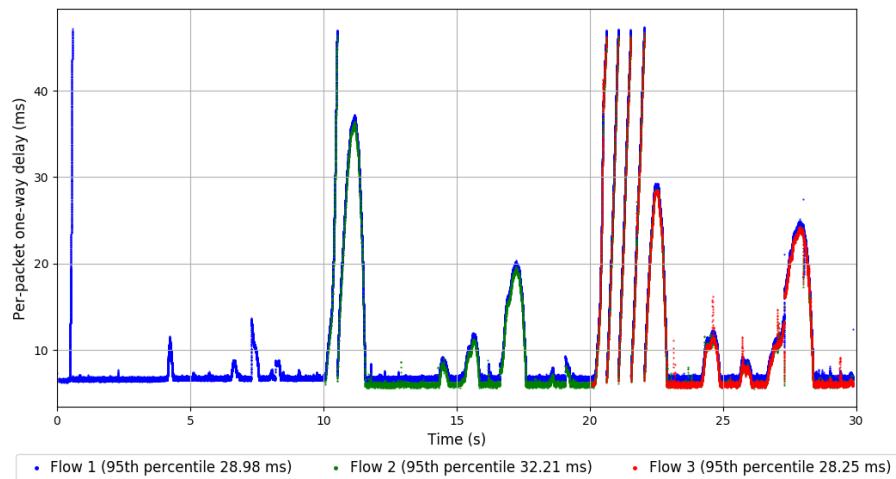
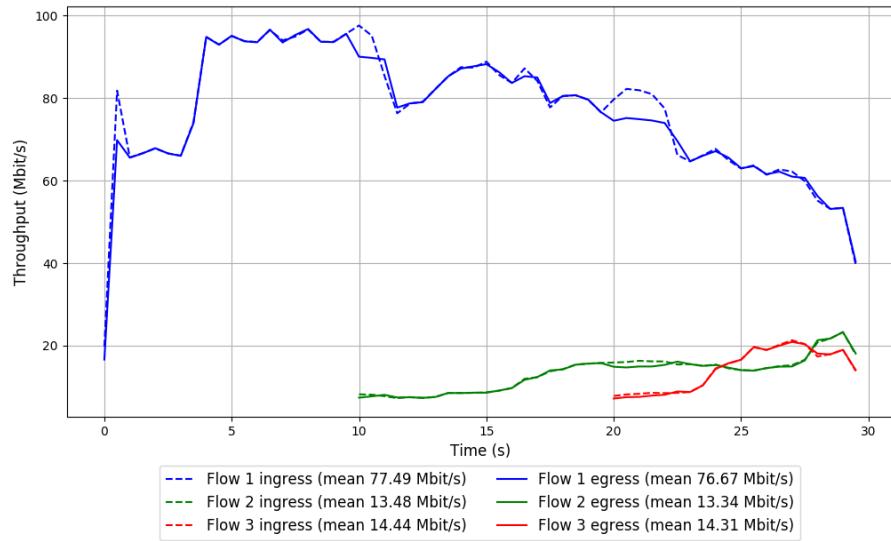


Run 7: Statistics of PCC

```
Start at: 2017-09-22 04:57:18
End at: 2017-09-22 04:57:48
Local clock offset: -0.733 ms
Remote clock offset: -4.69 ms

# Below is generated by plot.py at 2017-09-22 06:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 29.063 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 28.976 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 32.213 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 28.255 ms
Loss rate: 0.93%
```

Run 7: Report of PCC — Data Link

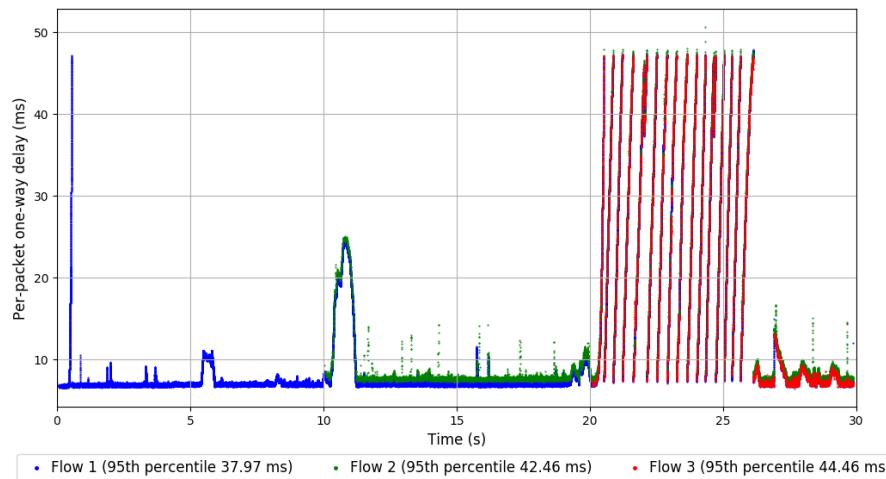
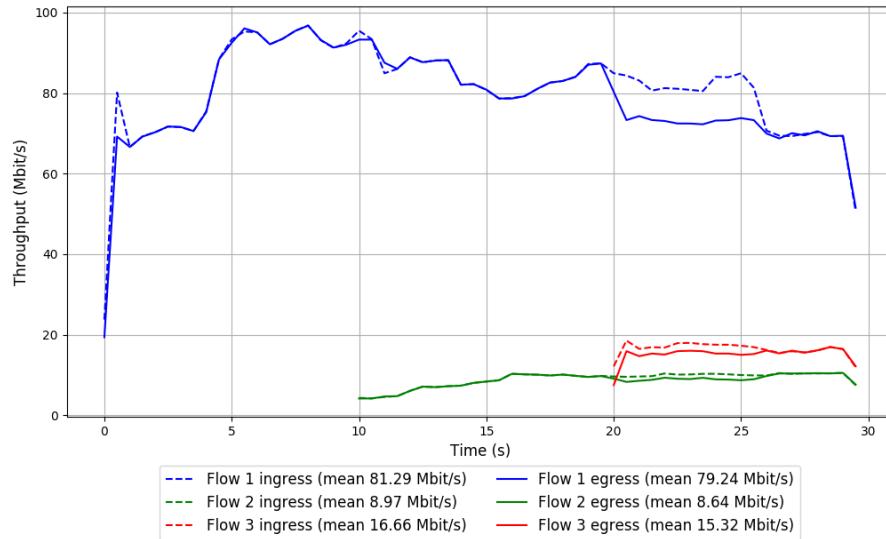


Run 8: Statistics of PCC

```
Start at: 2017-09-22 05:14:07
End at: 2017-09-22 05:14:37
Local clock offset: -1.149 ms
Remote clock offset: -4.253 ms

# Below is generated by plot.py at 2017-09-22 06:33:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 39.518 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 37.966 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 42.458 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 44.460 ms
Loss rate: 8.05%
```

Run 8: Report of PCC — Data Link

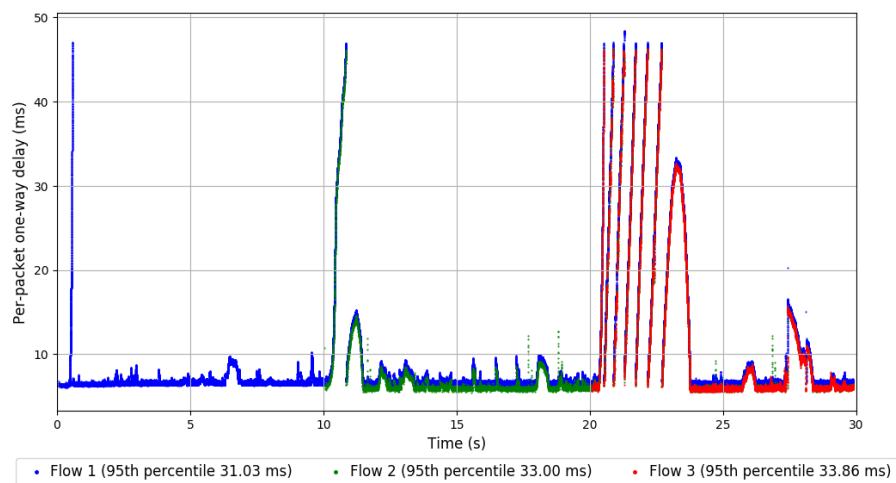
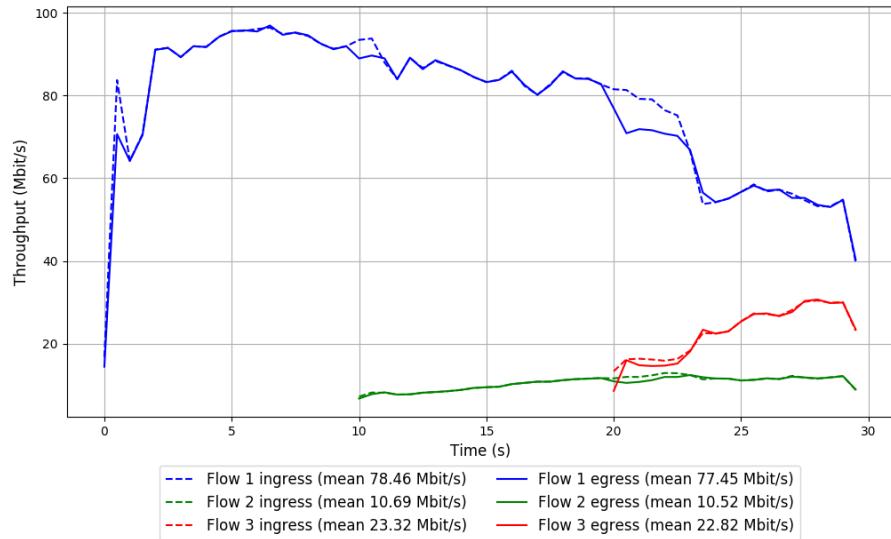


Run 9: Statistics of PCC

```
Start at: 2017-09-22 05:31:01
End at: 2017-09-22 05:31:31
Local clock offset: -0.021 ms
Remote clock offset: -4.287 ms

# Below is generated by plot.py at 2017-09-22 06:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 31.754 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: 31.034 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 32.997 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 22.82 Mbit/s
95th percentile per-packet one-way delay: 33.858 ms
Loss rate: 2.16%
```

Run 9: Report of PCC — Data Link

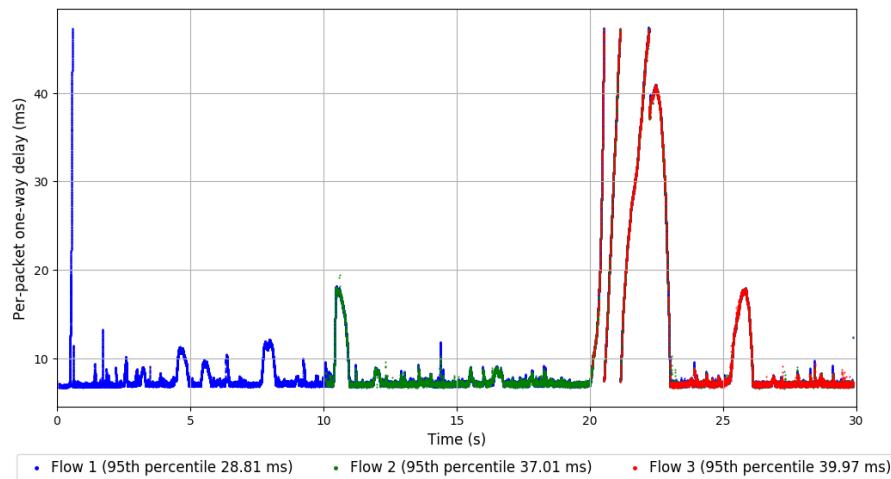
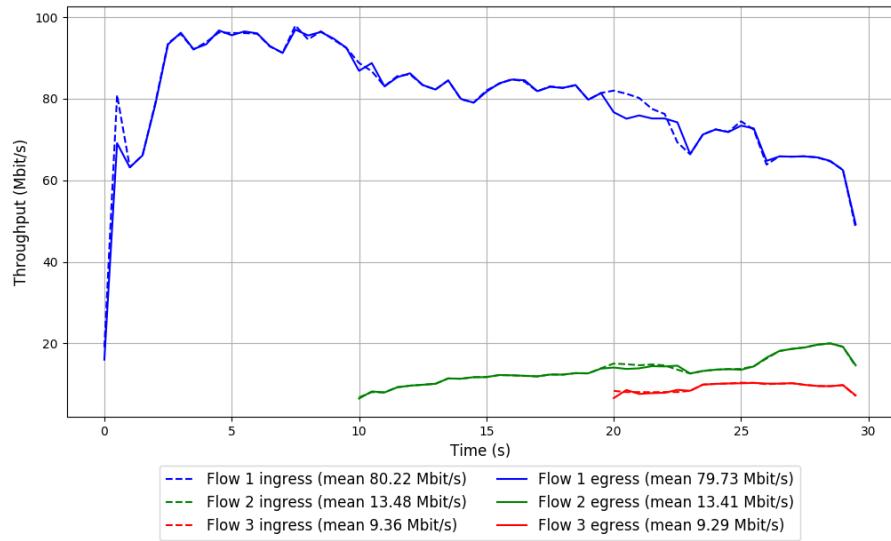


Run 10: Statistics of PCC

```
Start at: 2017-09-22 05:47:57
End at: 2017-09-22 05:48:27
Local clock offset: -0.534 ms
Remote clock offset: -3.426 ms

# Below is generated by plot.py at 2017-09-22 06:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 31.089 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 28.811 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 37.008 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 39.966 ms
Loss rate: 0.79%
```

Run 10: Report of PCC — Data Link

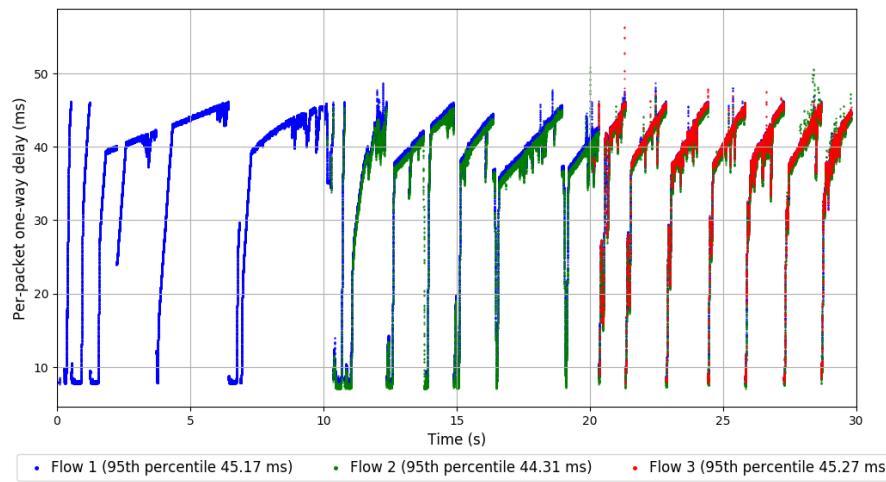
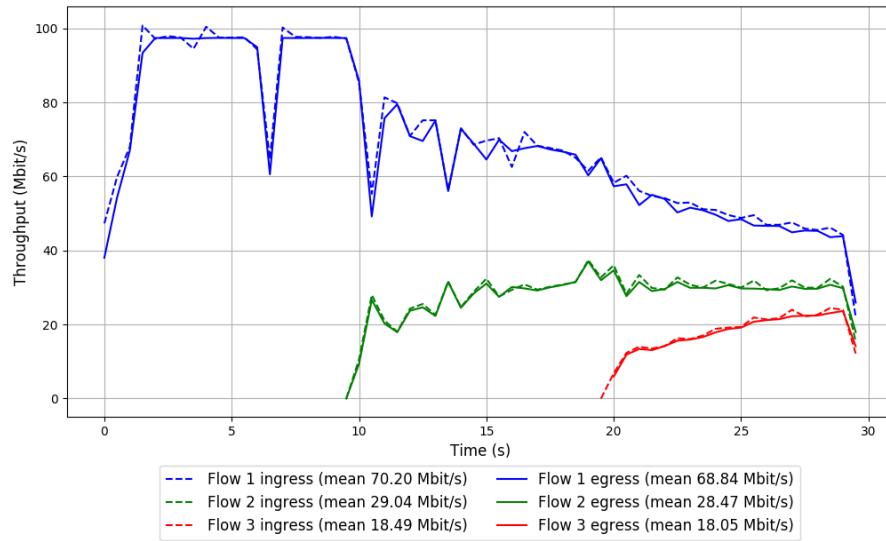


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2017-09-22 02:43:16
End at: 2017-09-22 02:43:46
Local clock offset: 1.108 ms
Remote clock offset: -1.759 ms

# Below is generated by plot.py at 2017-09-22 06:33:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 45.067 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 45.169 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 28.47 Mbit/s
95th percentile per-packet one-way delay: 44.309 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 45.273 ms
Loss rate: 2.31%
```

Run 1: Report of QUIC Cubic — Data Link

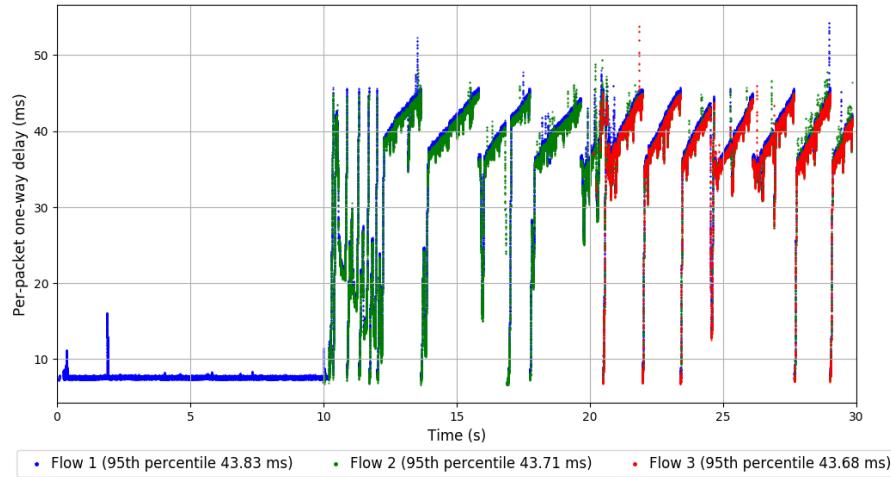
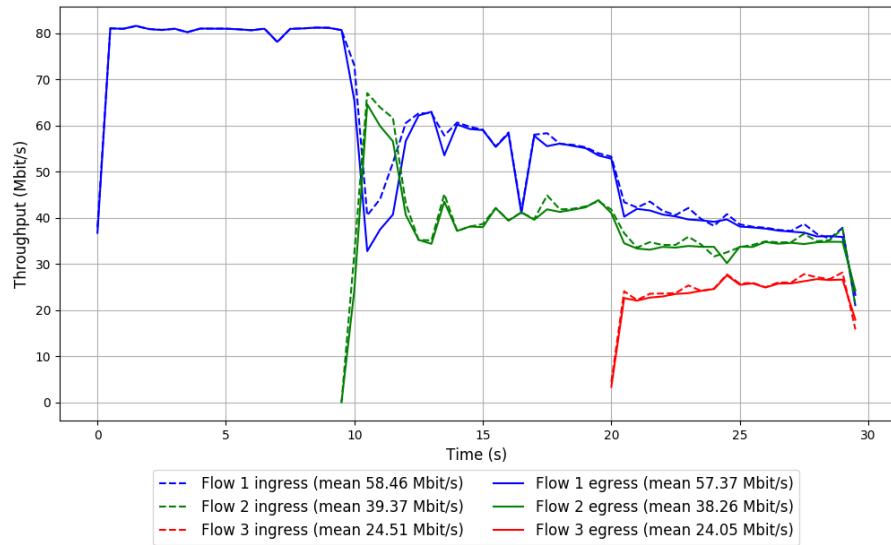


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-09-22 03:13:59
End at: 2017-09-22 03:14:29
Local clock offset: 0.548 ms
Remote clock offset: -2.337 ms

# Below is generated by plot.py at 2017-09-22 06:34:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.71 Mbit/s
95th percentile per-packet one-way delay: 43.773 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 43.828 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 43.712 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 43.683 ms
Loss rate: 1.82%
```

Run 2: Report of QUIC Cubic — Data Link

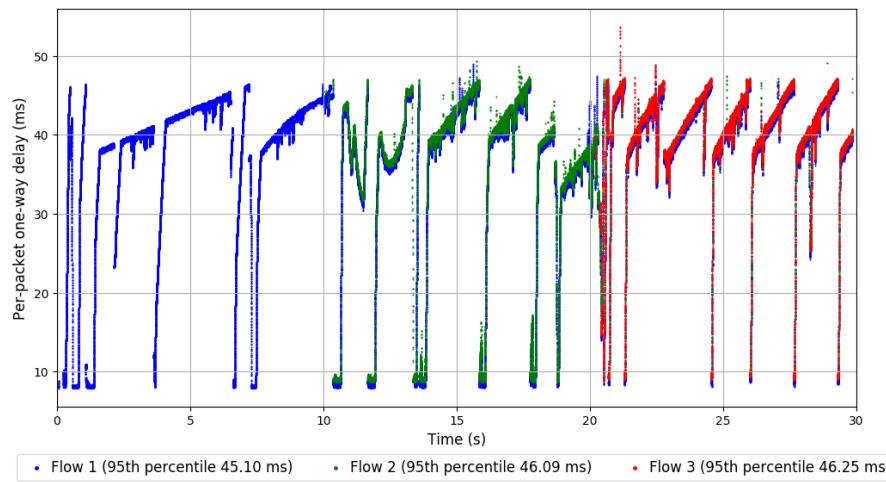
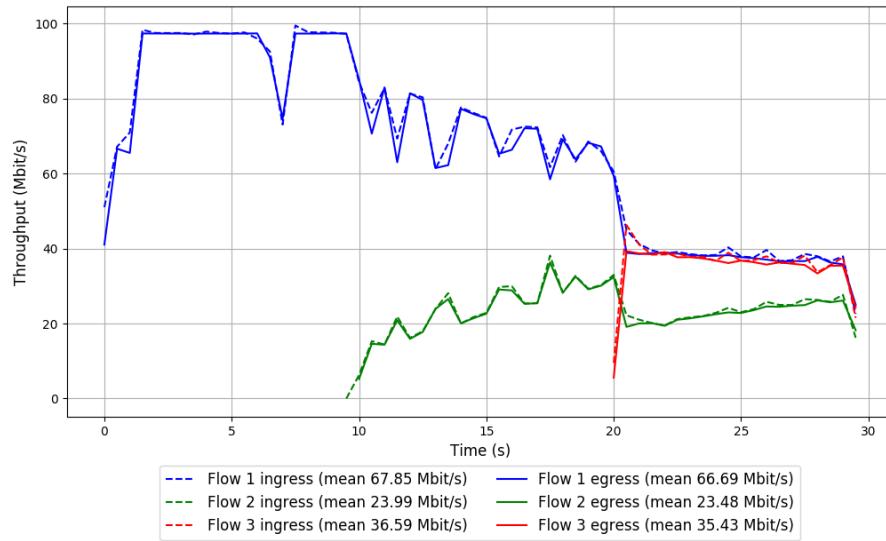


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-09-22 03:44:26
End at: 2017-09-22 03:44:56
Local clock offset: -0.999 ms
Remote clock offset: -2.318 ms

# Below is generated by plot.py at 2017-09-22 06:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 45.558 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 45.097 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 46.090 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 46.253 ms
Loss rate: 3.06%
```

Run 3: Report of QUIC Cubic — Data Link

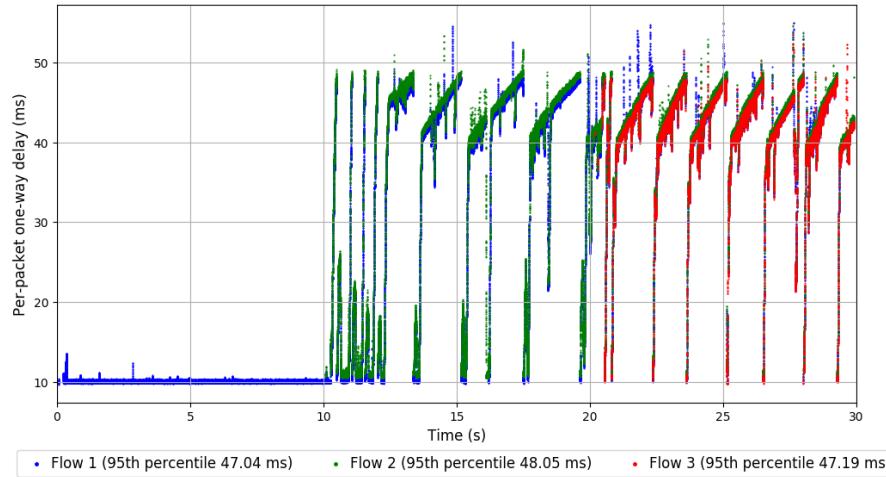
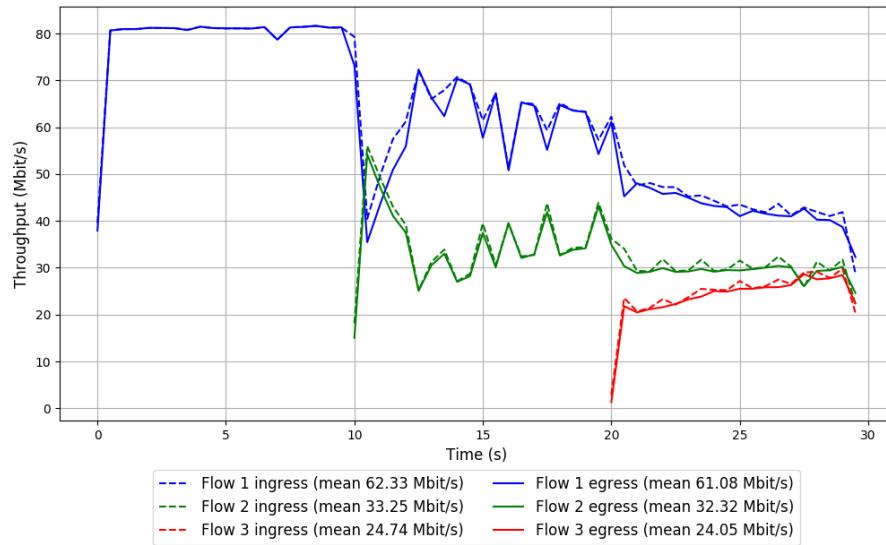


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-09-22 04:02:07
End at: 2017-09-22 04:02:37
Local clock offset: -2.215 ms
Remote clock offset: -1.388 ms

# Below is generated by plot.py at 2017-09-22 06:34:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 47.380 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 61.08 Mbit/s
95th percentile per-packet one-way delay: 47.036 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 48.045 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 47.188 ms
Loss rate: 2.76%
```

Run 4: Report of QUIC Cubic — Data Link

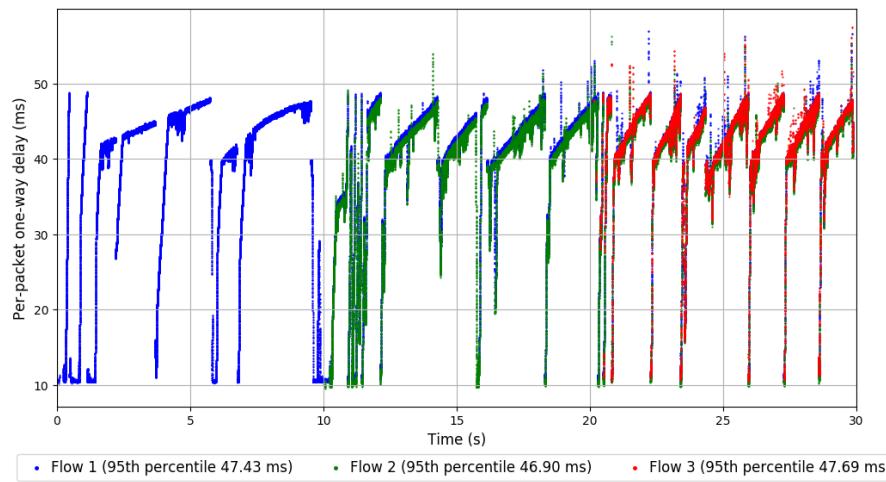
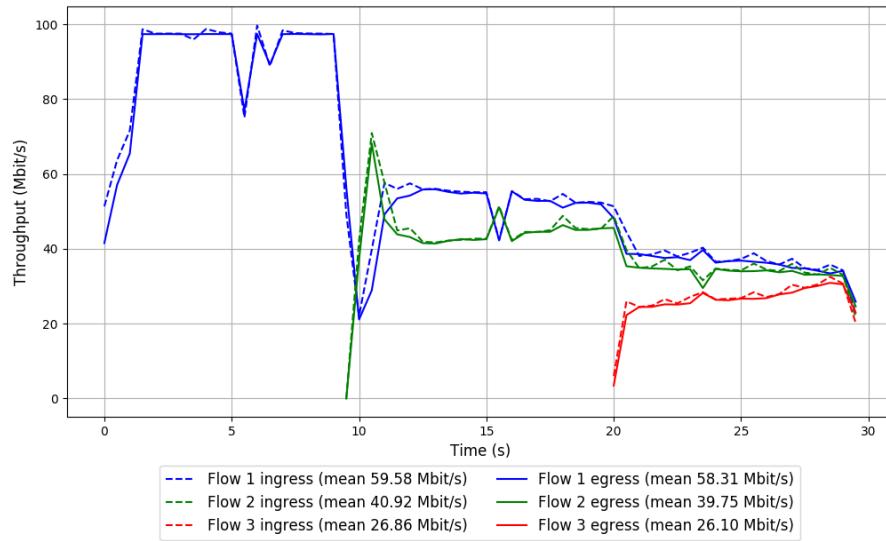


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-09-22 04:21:09
End at: 2017-09-22 04:21:39
Local clock offset: -2.548 ms
Remote clock offset: -1.608 ms

# Below is generated by plot.py at 2017-09-22 06:35:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 47.356 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 47.429 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 46.897 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 47.691 ms
Loss rate: 2.79%
```

Run 5: Report of QUIC Cubic — Data Link

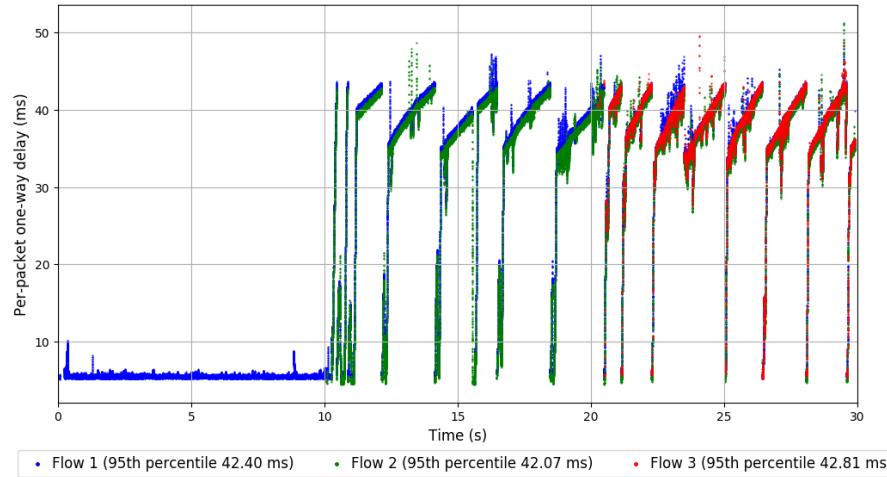
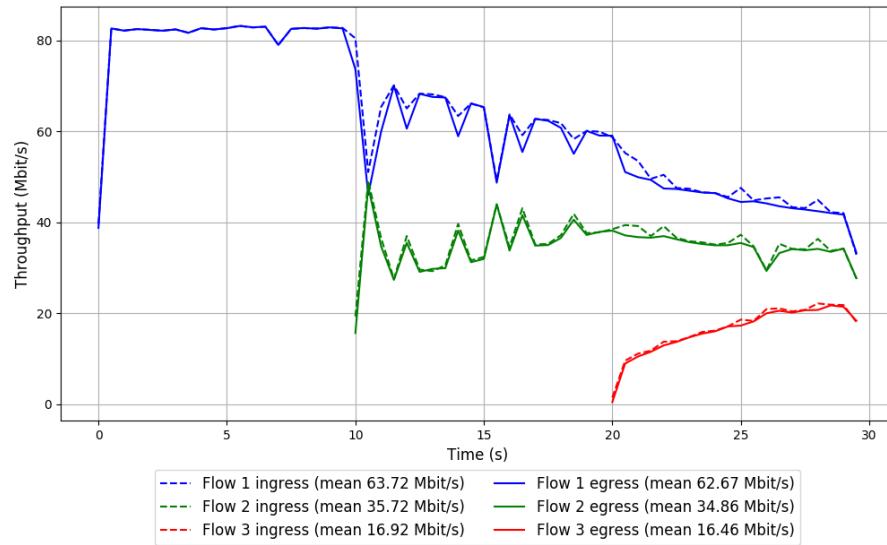


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-09-22 04:39:11
End at: 2017-09-22 04:39:41
Local clock offset: 0.234 ms
Remote clock offset: -4.264 ms

# Below is generated by plot.py at 2017-09-22 06:35:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 42.333 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 42.401 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 42.066 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 42.806 ms
Loss rate: 2.73%
```

Run 6: Report of QUIC Cubic — Data Link

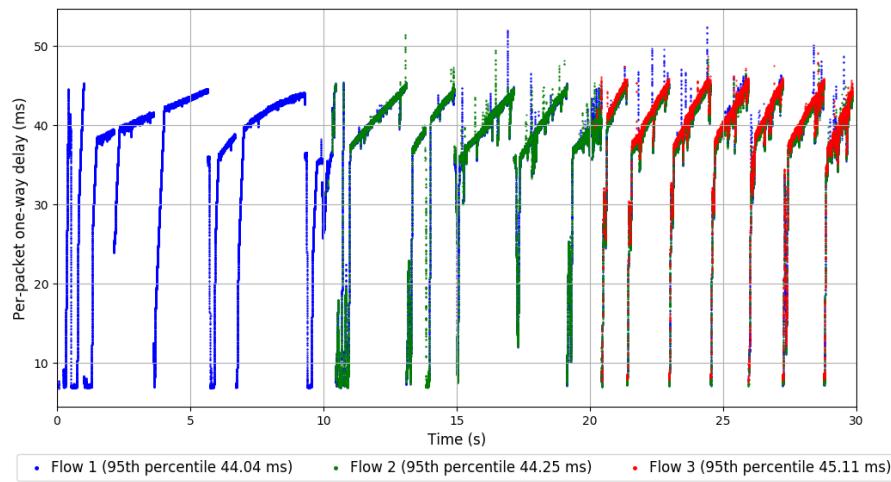
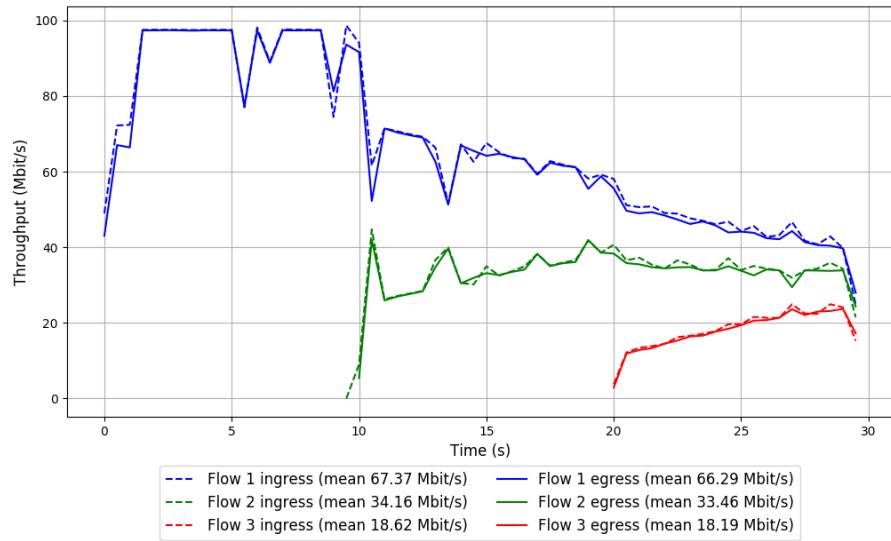


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-09-22 04:56:02
End at: 2017-09-22 04:56:32
Local clock offset: -1.409 ms
Remote clock offset: -4.126 ms

# Below is generated by plot.py at 2017-09-22 06:35:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 44.182 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 66.29 Mbit/s
95th percentile per-packet one-way delay: 44.037 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 44.248 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 45.114 ms
Loss rate: 2.29%
```

Run 7: Report of QUIC Cubic — Data Link

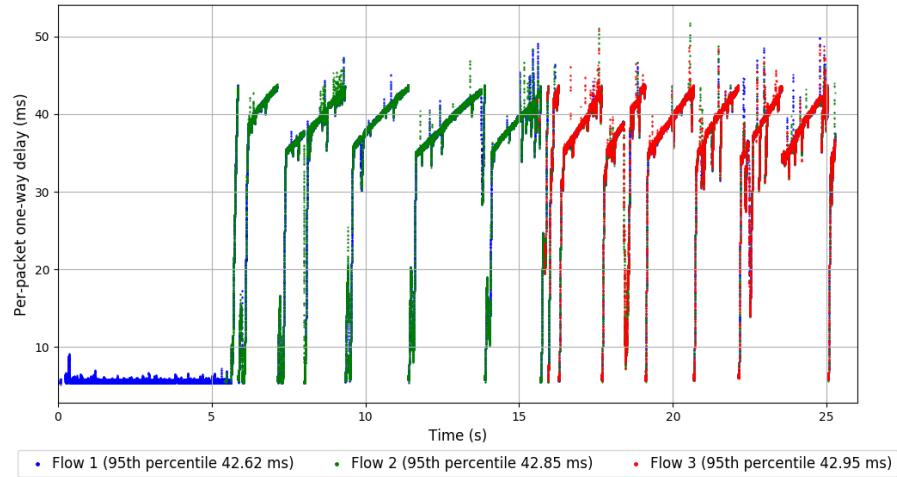
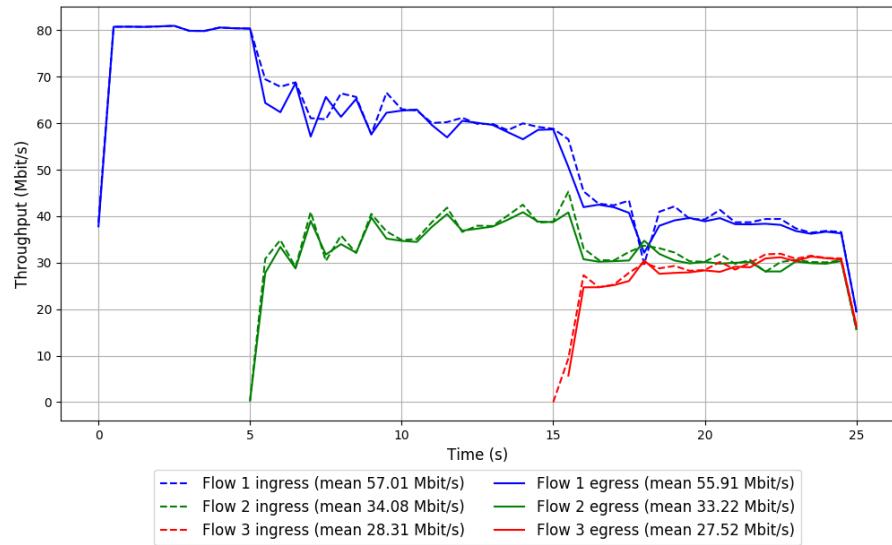


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-09-22 05:12:53
End at: 2017-09-22 05:13:23
Local clock offset: 1.225 ms
Remote clock offset: -3.921 ms

# Below is generated by plot.py at 2017-09-22 06:35:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 42.723 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 42.619 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 42.849 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 42.953 ms
Loss rate: 2.80%
```

Run 8: Report of QUIC Cubic — Data Link

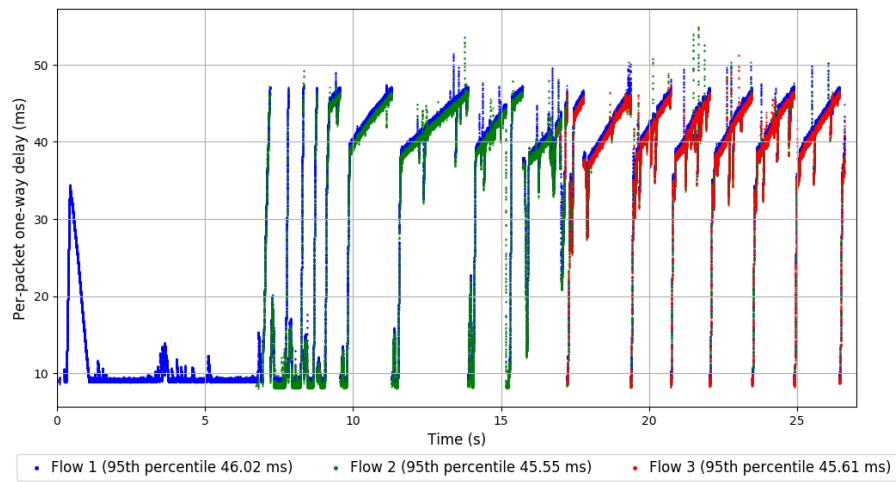
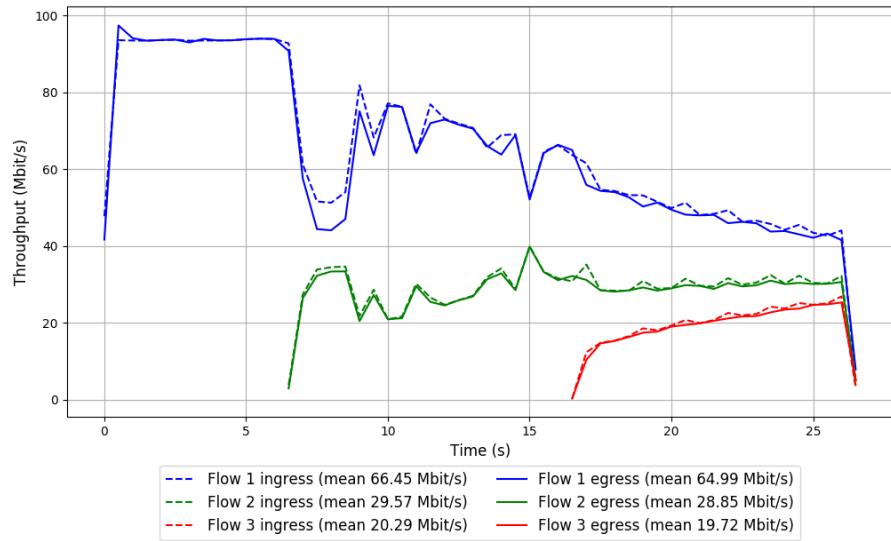


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-09-22 05:29:47
End at: 2017-09-22 05:30:17
Local clock offset: -1.189 ms
Remote clock offset: -2.955 ms

# Below is generated by plot.py at 2017-09-22 06:35:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 45.884 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 46.023 ms
Loss rate: 2.06%
-- Flow 2:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 45.552 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 45.611 ms
Loss rate: 2.82%
```

Run 9: Report of QUIC Cubic — Data Link

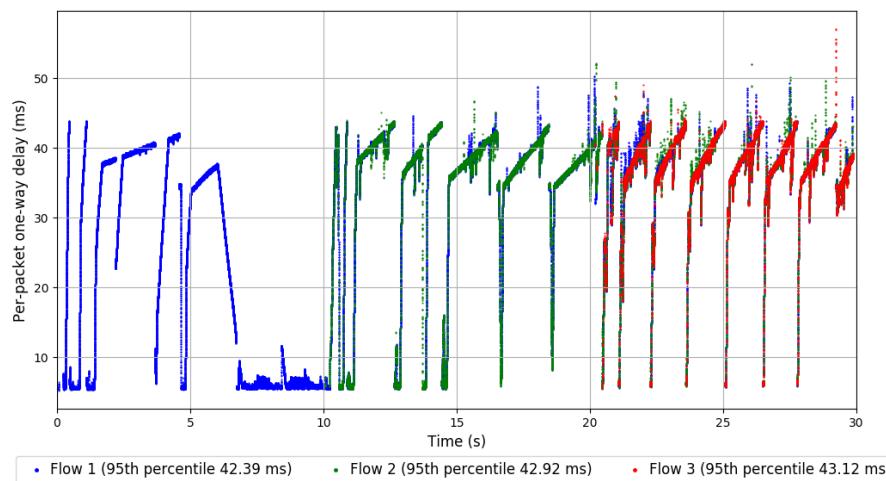
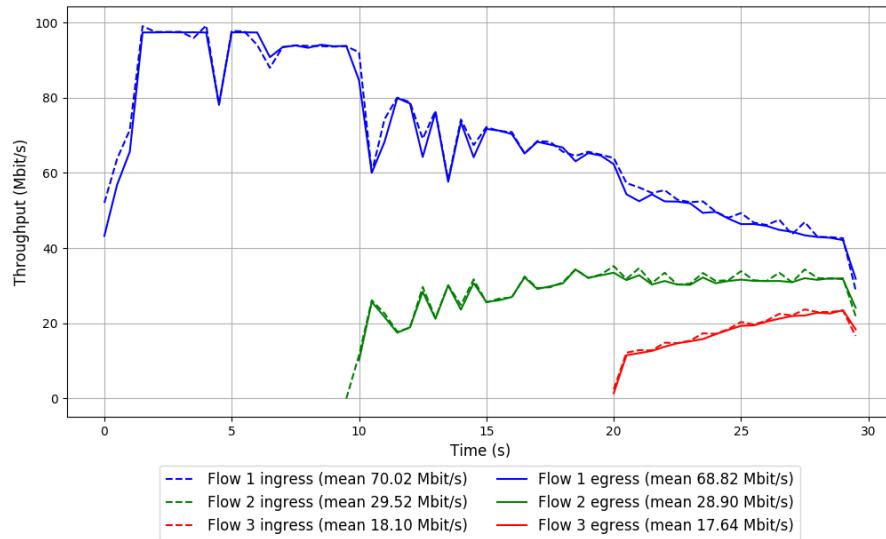


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-09-22 05:46:46
End at: 2017-09-22 05:47:16
Local clock offset: 1.185 ms
Remote clock offset: -3.065 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 42.611 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 68.82 Mbit/s
95th percentile per-packet one-way delay: 42.392 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 42.920 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 43.116 ms
Loss rate: 2.57%
```

Run 10: Report of QUIC Cubic — Data Link

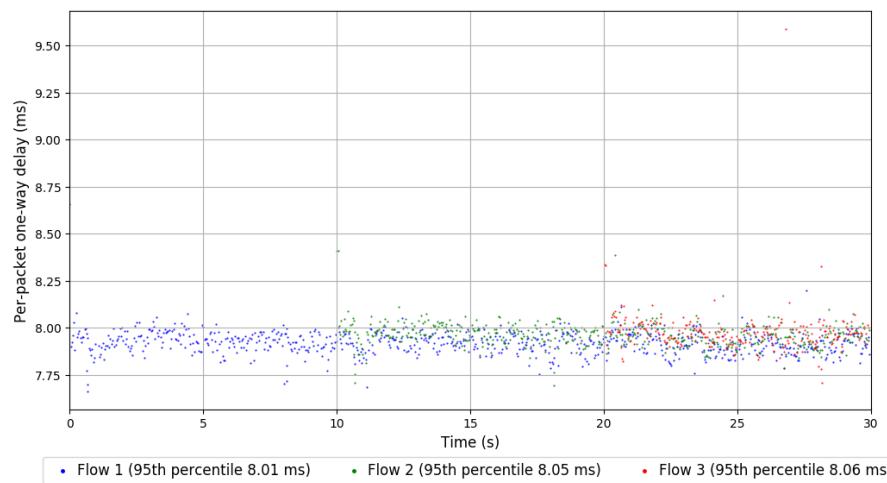
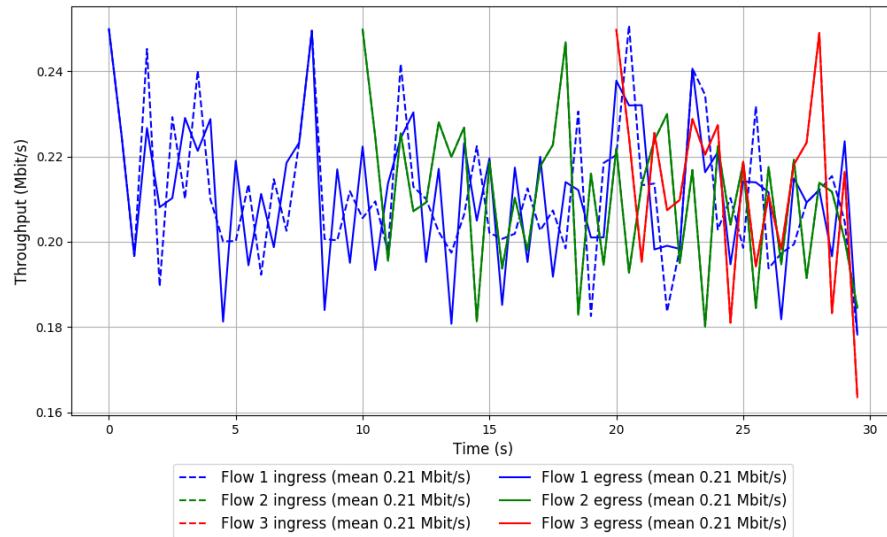


Run 1: Statistics of SCReAM

```
Start at: 2017-09-22 02:47:14
End at: 2017-09-22 02:47:44
Local clock offset: 0.958 ms
Remote clock offset: -1.862 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.054 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.059 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

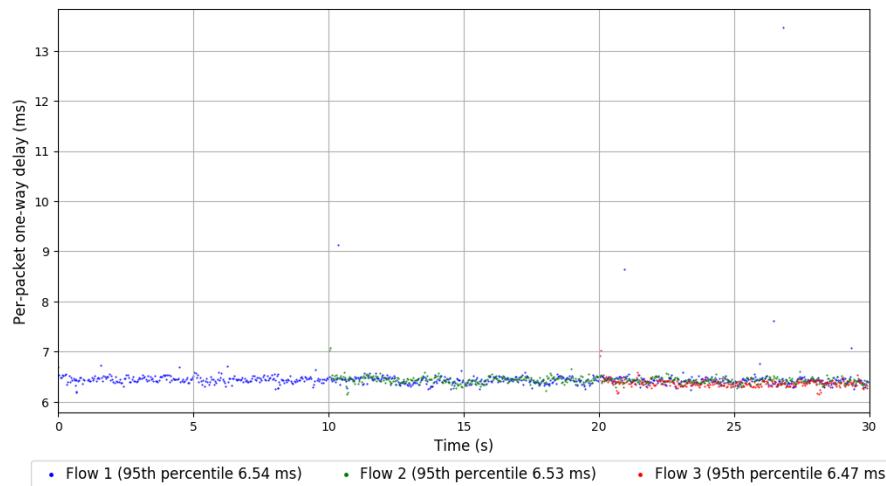
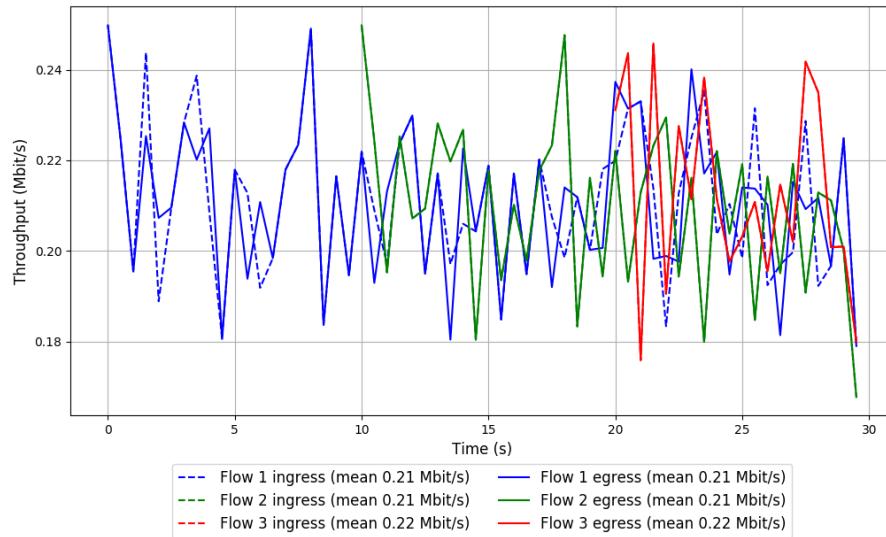


Run 2: Statistics of SCReAM

```
Start at: 2017-09-22 03:22:26
End at: 2017-09-22 03:22:56
Local clock offset: 1.545 ms
Remote clock offset: -2.353 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 6.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.536 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.525 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.466 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

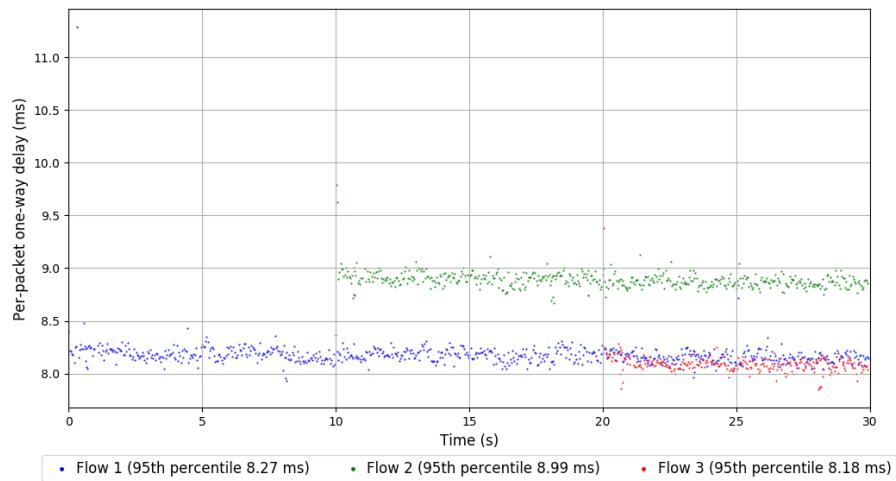
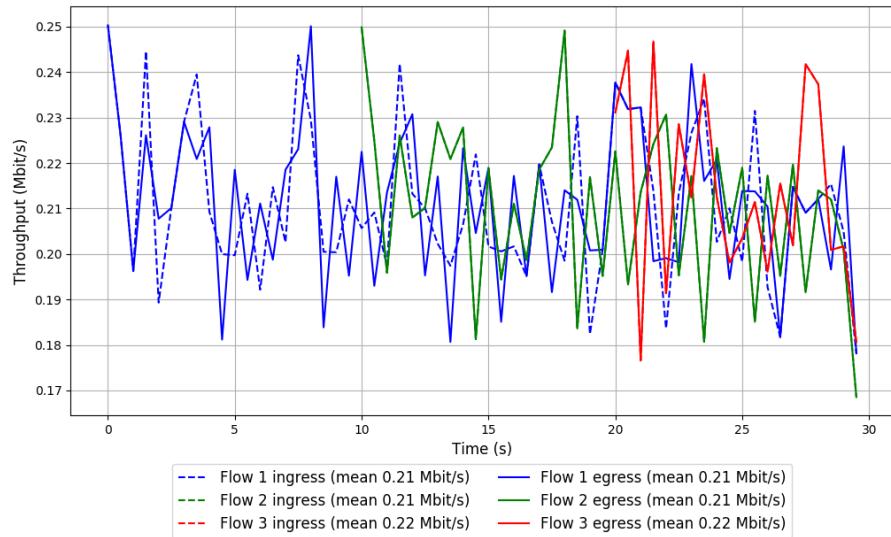


Run 3: Statistics of SCReAM

```
Start at: 2017-09-22 03:48:21
End at: 2017-09-22 03:48:51
Local clock offset: -0.786 ms
Remote clock offset: -2.025 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 8.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.994 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.184 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

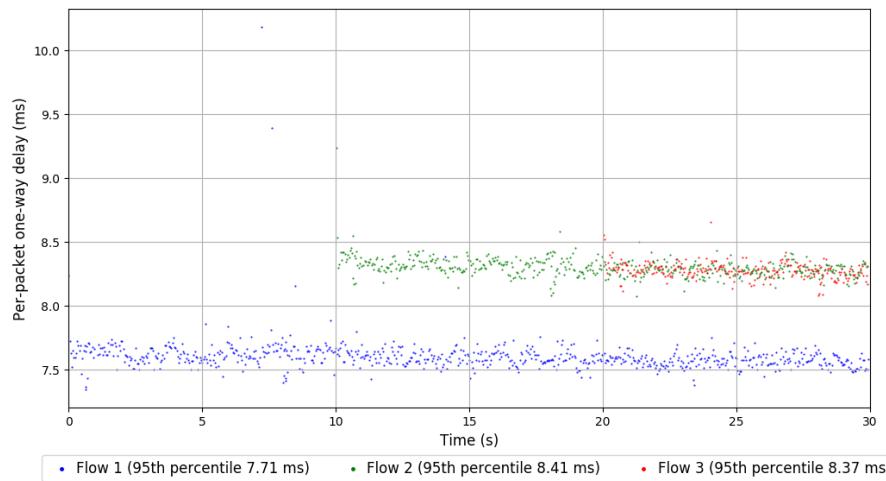
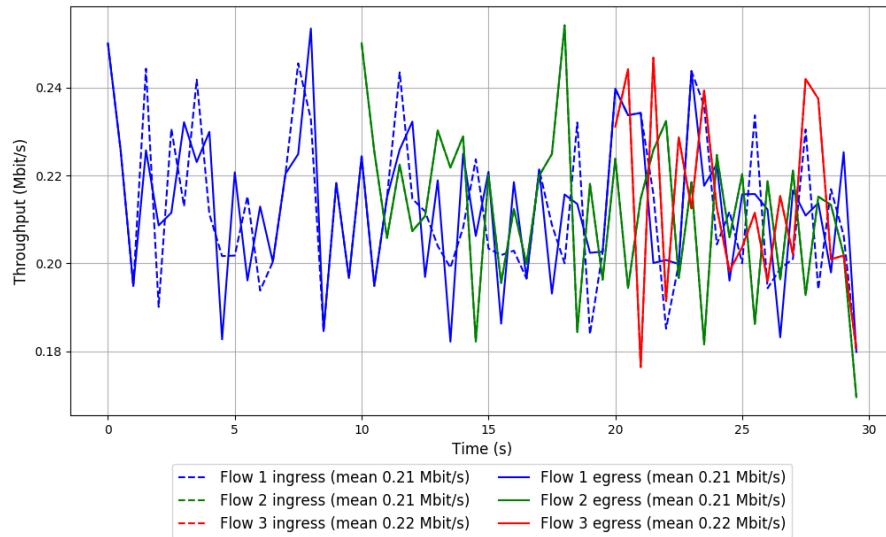


Run 4: Statistics of SCReAM

```
Start at: 2017-09-22 04:06:06
End at: 2017-09-22 04:06:36
Local clock offset: -0.101 ms
Remote clock offset: -1.575 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 8.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.712 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.369 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

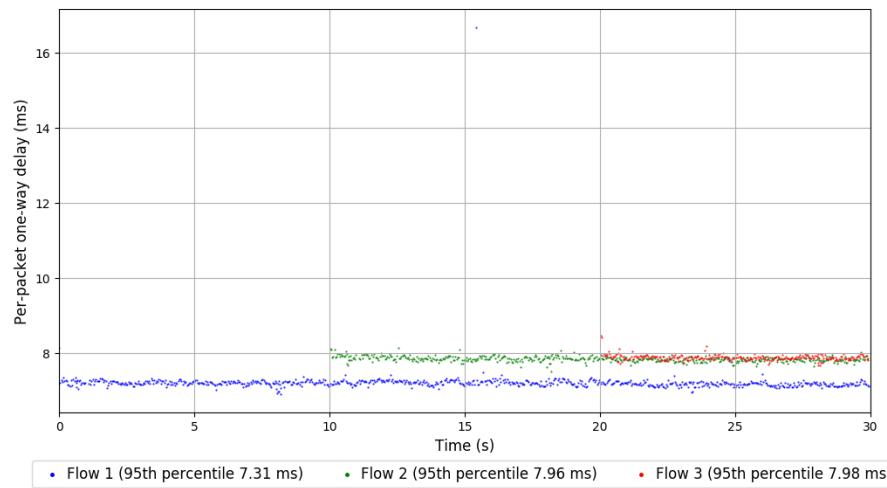
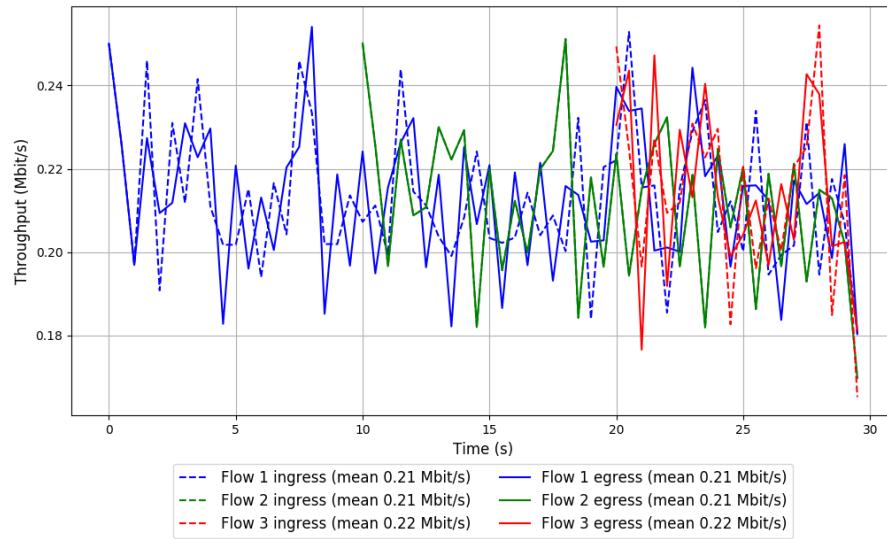


Run 5: Statistics of SCReAM

```
Start at: 2017-09-22 04:25:06
End at: 2017-09-22 04:25:36
Local clock offset: 0.002 ms
Remote clock offset: -1.708 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 7.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.978 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

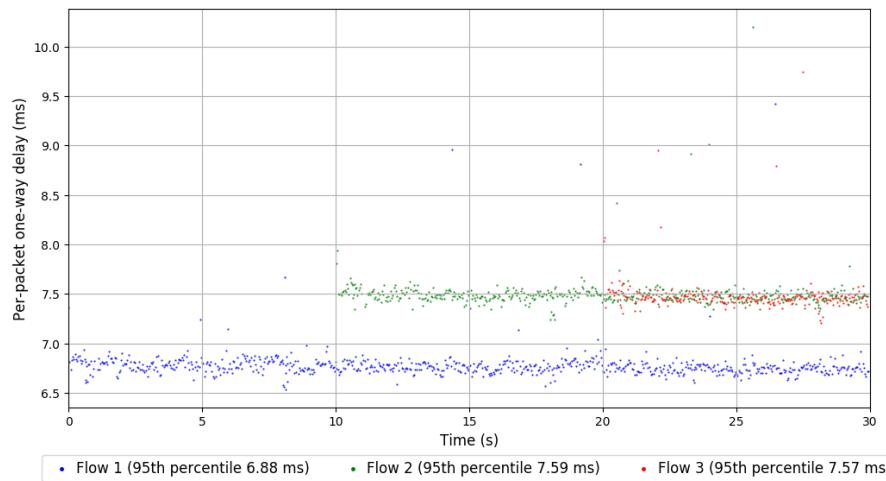
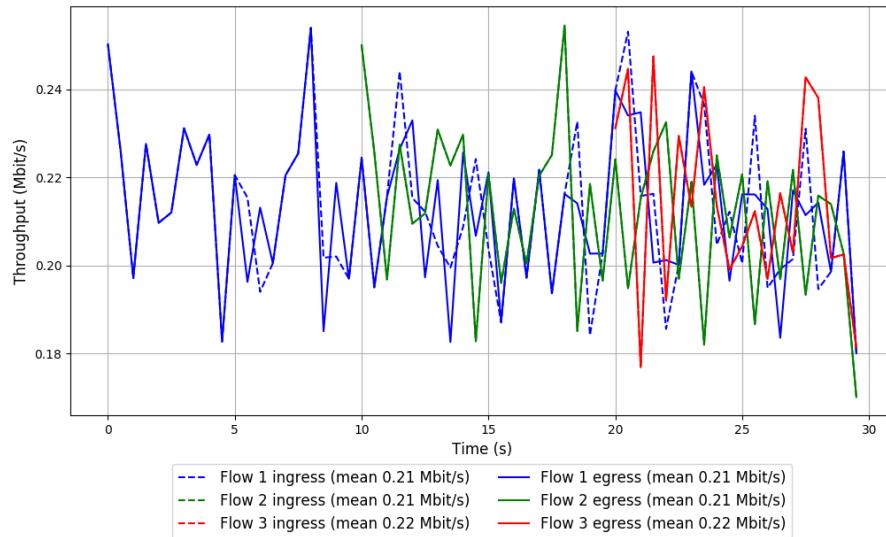


Run 6: Statistics of SCReAM

```
Start at: 2017-09-22 04:42:51
End at: 2017-09-22 04:43:21
Local clock offset: -1.186 ms
Remote clock offset: -3.647 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 7.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.877 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.589 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.573 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

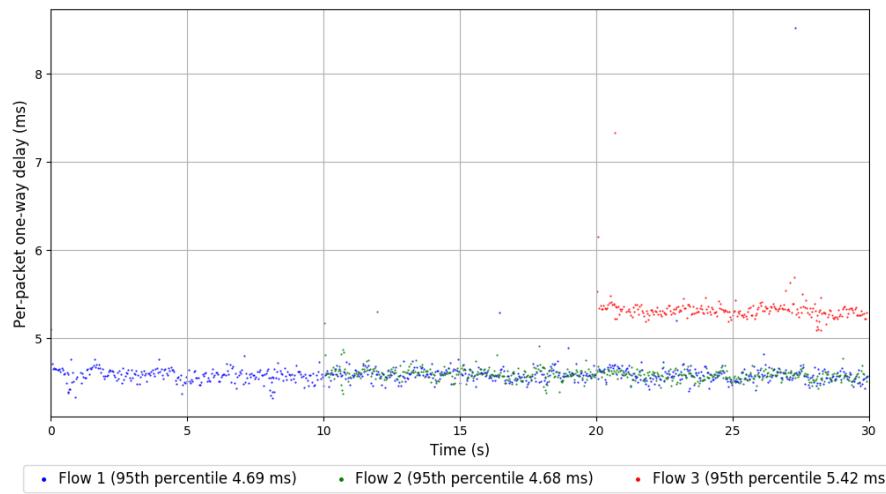
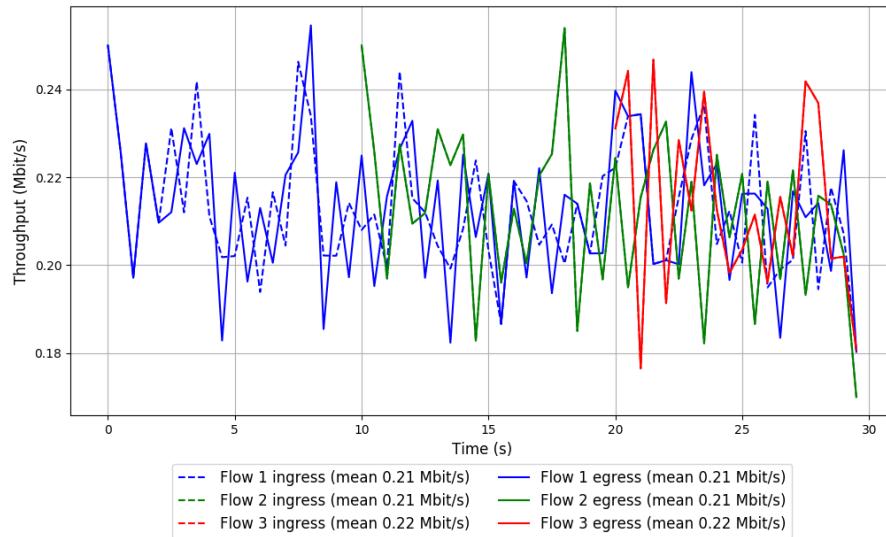


Run 7: Statistics of SCReAM

```
Start at: 2017-09-22 04:59:46
End at: 2017-09-22 05:00:16
Local clock offset: 0.965 ms
Remote clock offset: -4.282 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 5.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 4.692 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 4.680 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.421 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

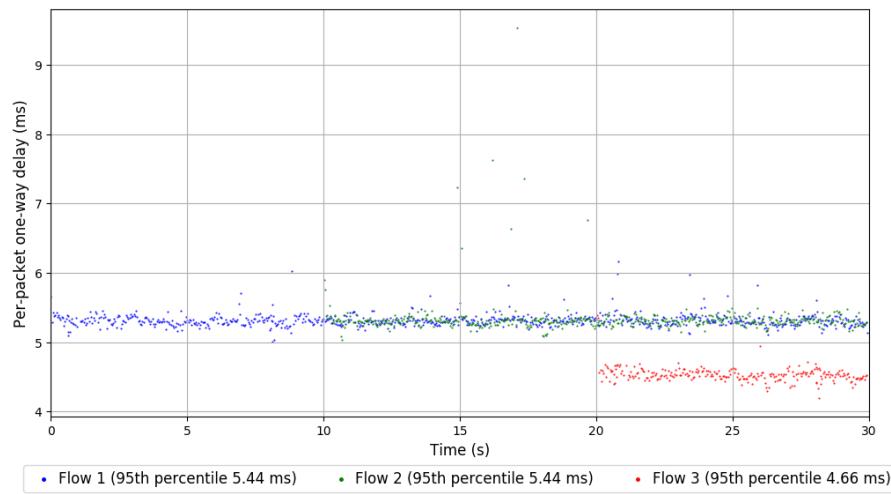
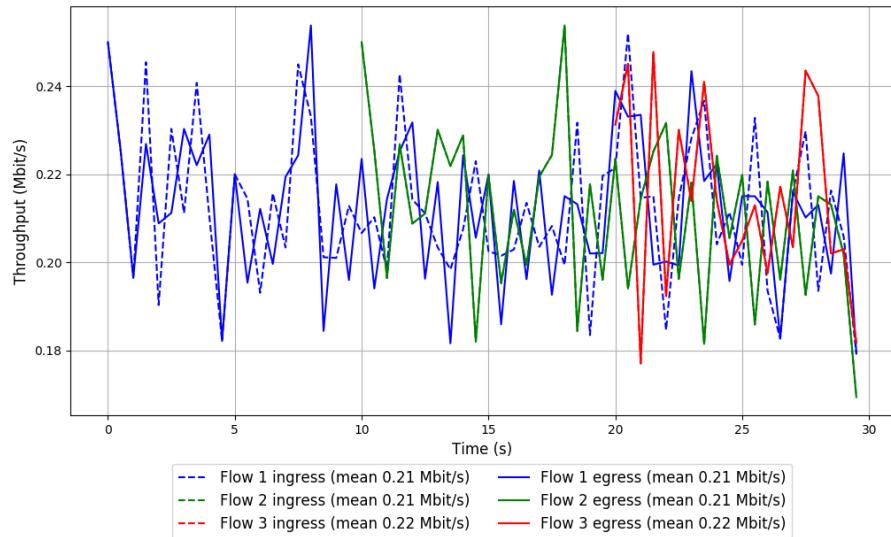


Run 8: Statistics of SCReAM

```
Start at: 2017-09-22 05:16:32
End at: 2017-09-22 05:17:02
Local clock offset: 0.835 ms
Remote clock offset: -4.493 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 5.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.439 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.664 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

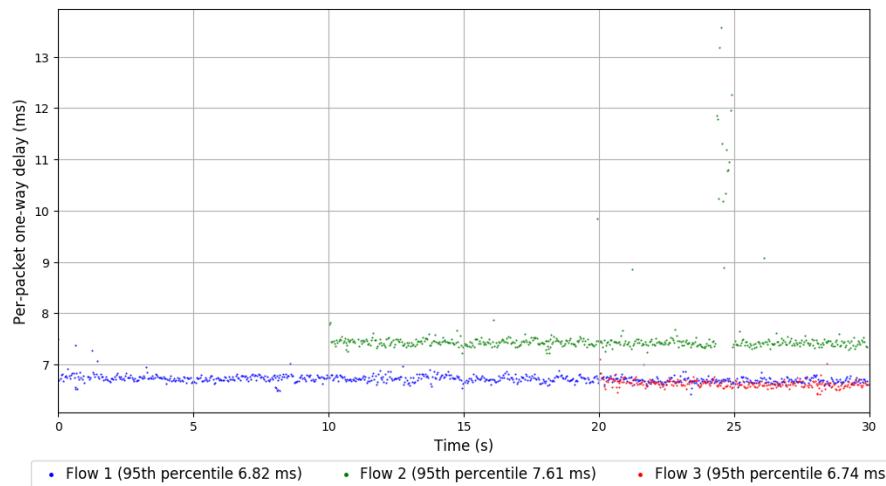
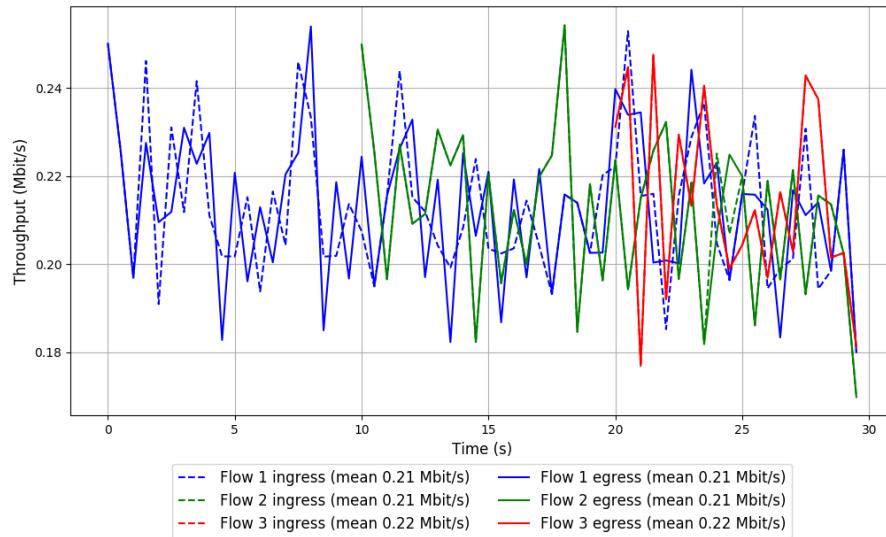


Run 9: Statistics of SCReAM

```
Start at: 2017-09-22 05:33:26
End at: 2017-09-22 05:33:56
Local clock offset: -0.919 ms
Remote clock offset: -4.255 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 7.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.740 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

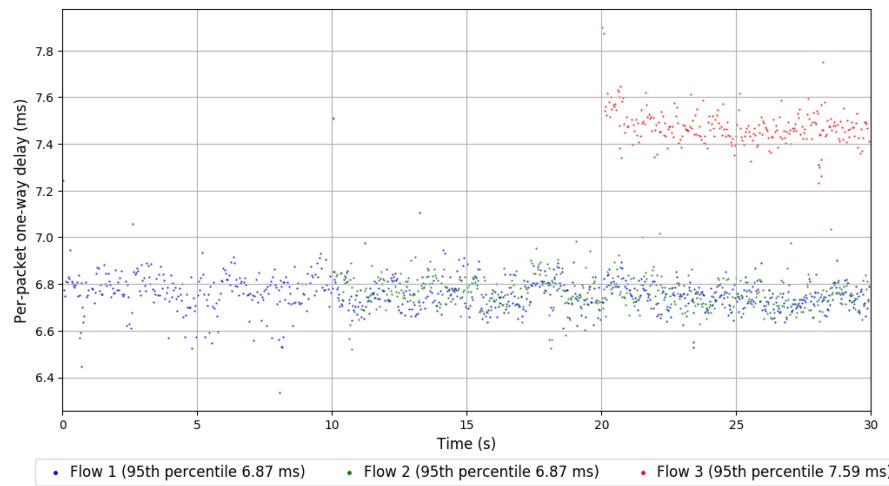
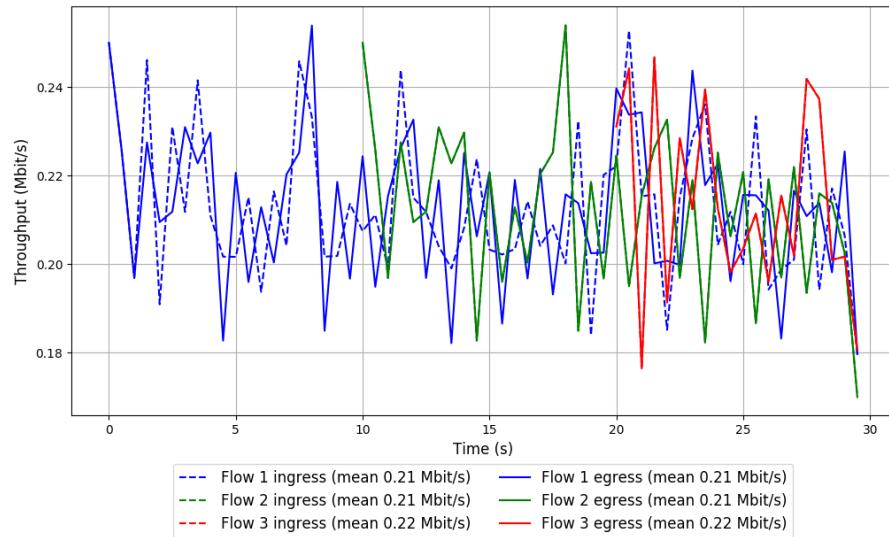


Run 10: Statistics of SCReAM

```
Start at: 2017-09-22 05:50:21
End at: 2017-09-22 05:50:51
Local clock offset: -0.237 ms
Remote clock offset: -3.193 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 7.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.871 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.868 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.595 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

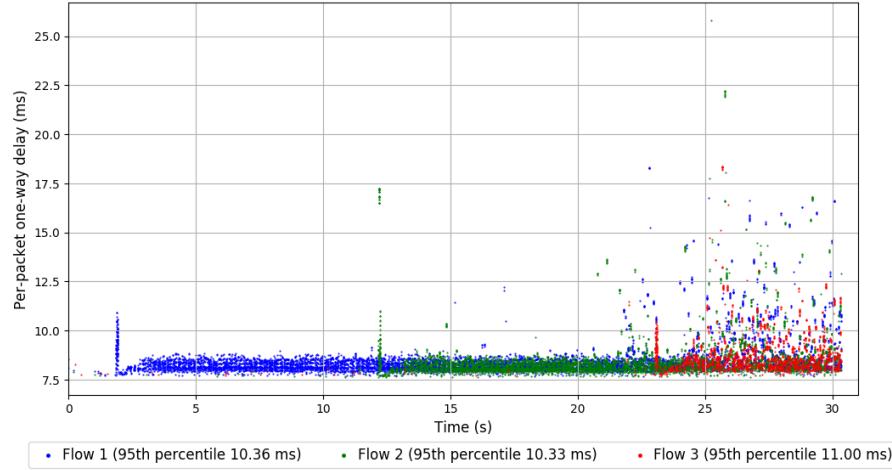
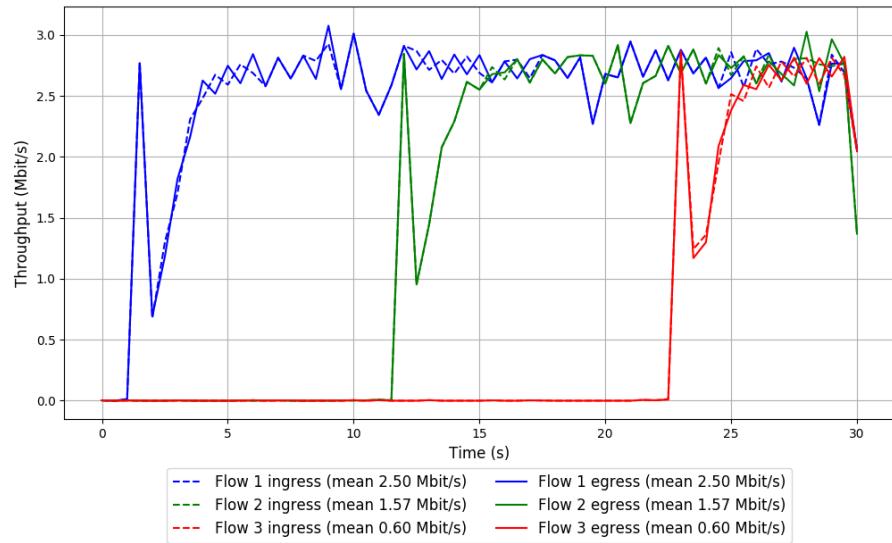


```
Run 1: Statistics of WebRTC media

Start at: 2017-09-22 02:57:40
End at: 2017-09-22 02:58:10
Local clock offset: -0.091 ms
Remote clock offset: -2.05 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 10.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 10.357 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 10.328 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 11.003 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

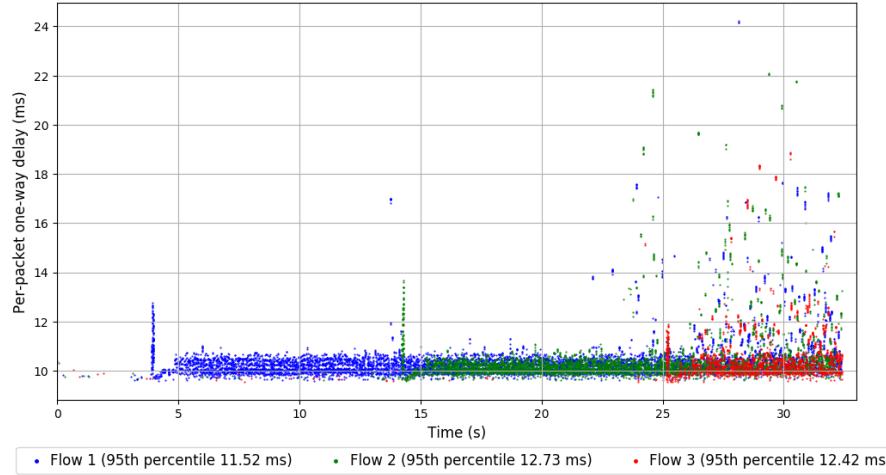
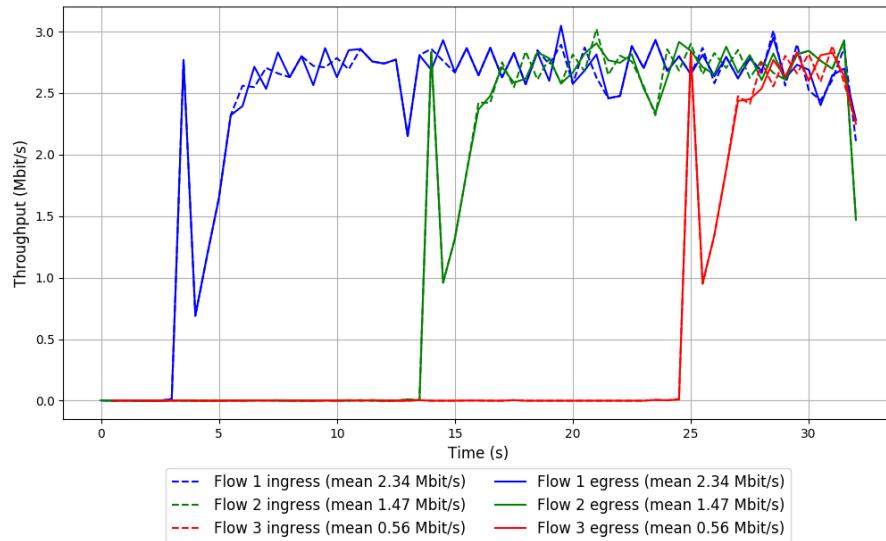


Run 2: Statistics of WebRTC media

```
Start at: 2017-09-22 03:36:27
End at: 2017-09-22 03:36:57
Local clock offset: -1.695 ms
Remote clock offset: -1.958 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 12.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 11.523 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 12.732 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 12.417 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

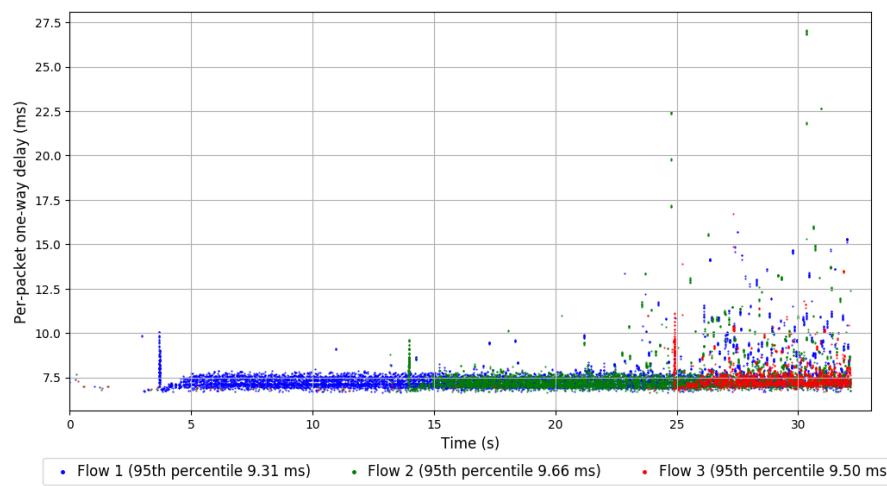
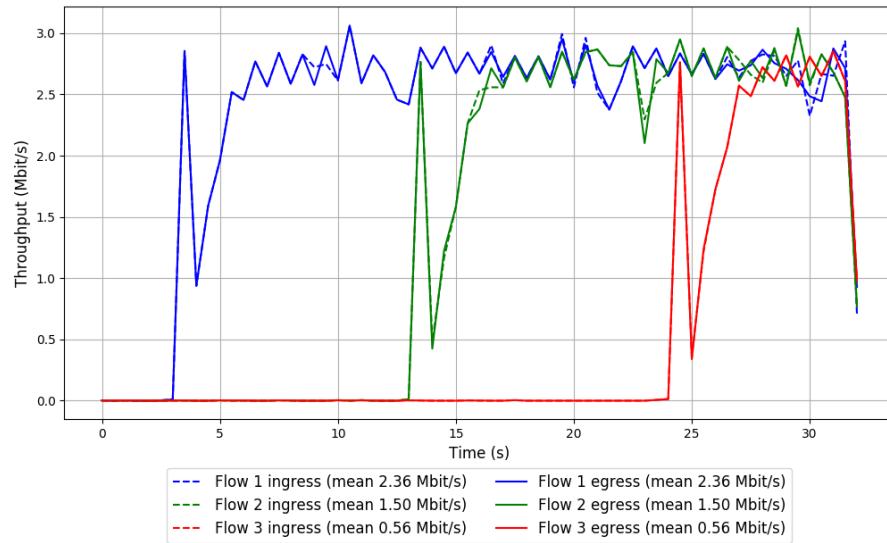


```
Run 3: Statistics of WebRTC media

Start at: 2017-09-22 03:54:32
End at: 2017-09-22 03:55:02
Local clock offset: 0.648 ms
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 9.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 9.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 9.665 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 9.503 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

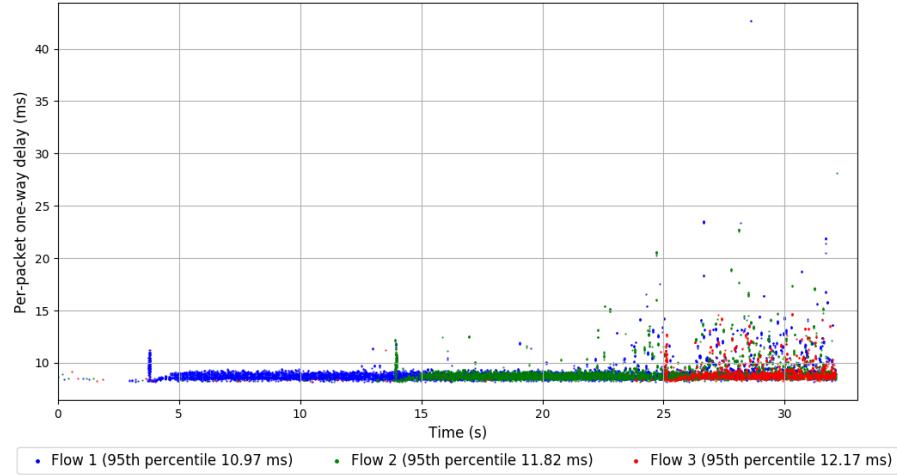
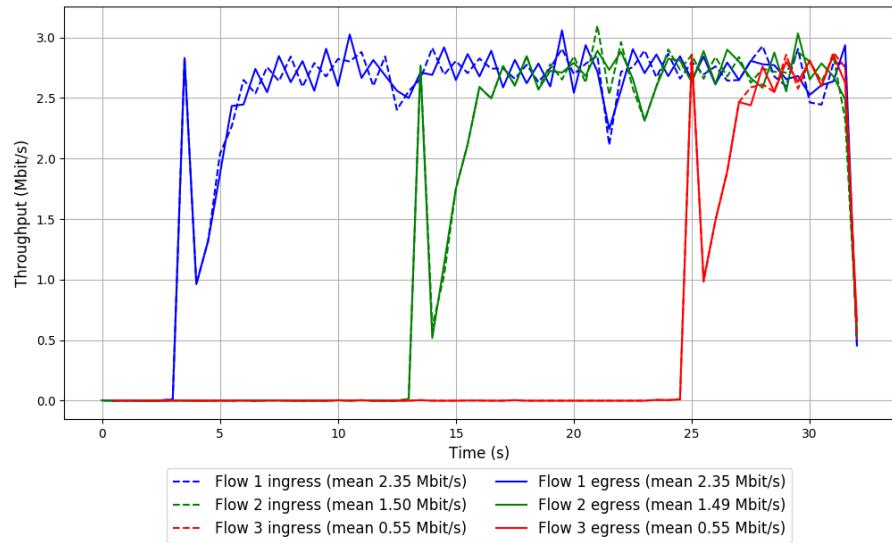


Run 4: Statistics of WebRTC media

```
Start at: 2017-09-22 04:12:54
End at: 2017-09-22 04:13:24
Local clock offset: 0.131 ms
Remote clock offset: -1.034 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 11.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 10.966 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 11.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 12.174 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

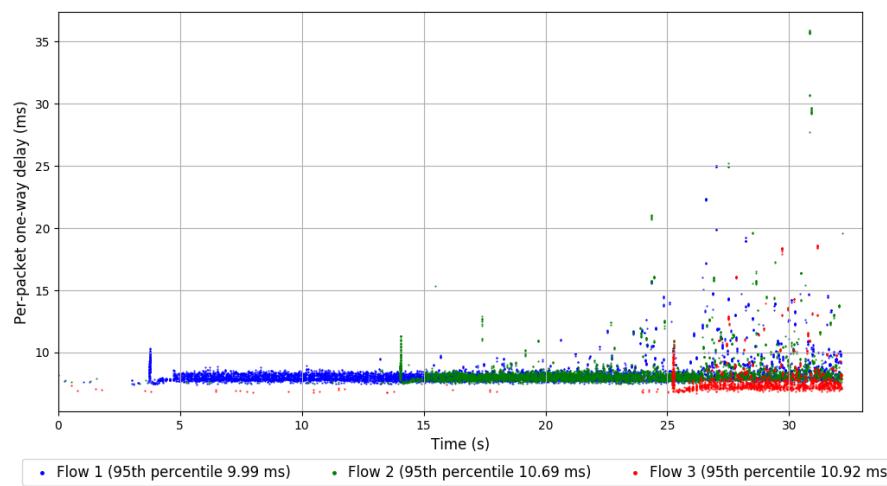
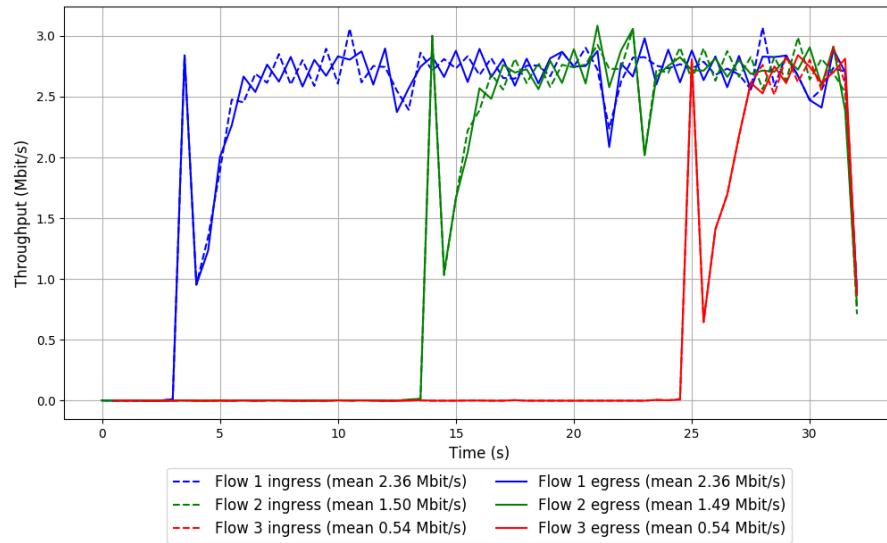


Run 5: Statistics of WebRTC media

```
Start at: 2017-09-22 04:31:35
End at: 2017-09-22 04:32:05
Local clock offset: -0.093 ms
Remote clock offset: -1.922 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 10.337 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 9.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 10.694 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 10.918 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

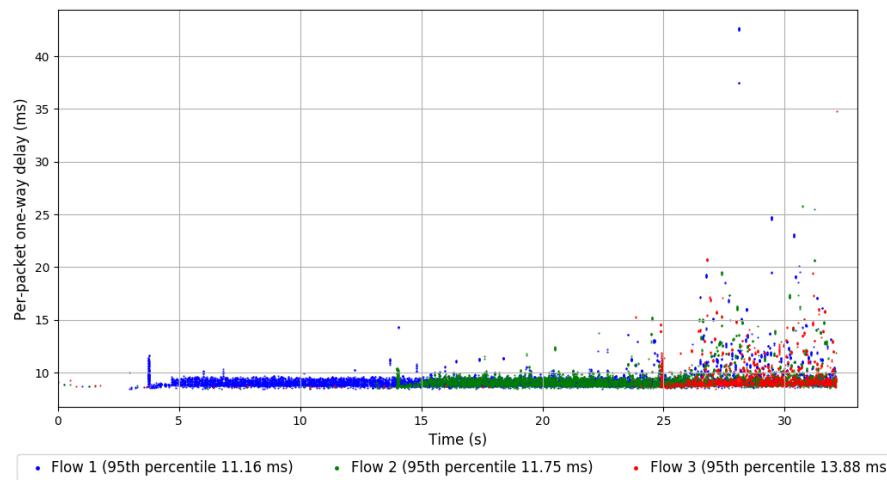
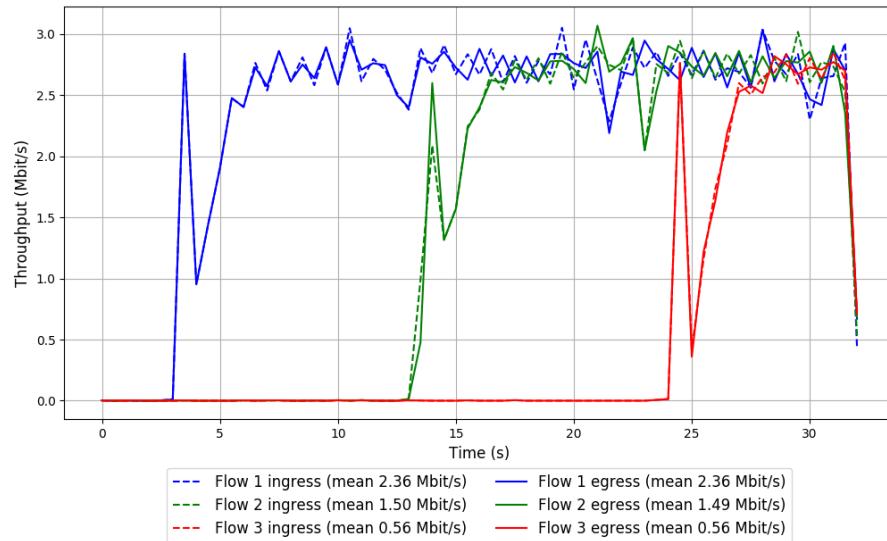


Run 6: Statistics of WebRTC media

```
Start at: 2017-09-22 04:48:52
End at: 2017-09-22 04:49:22
Local clock offset: -2.396 ms
Remote clock offset: -3.784 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 11.759 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 11.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 11.748 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 13.875 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

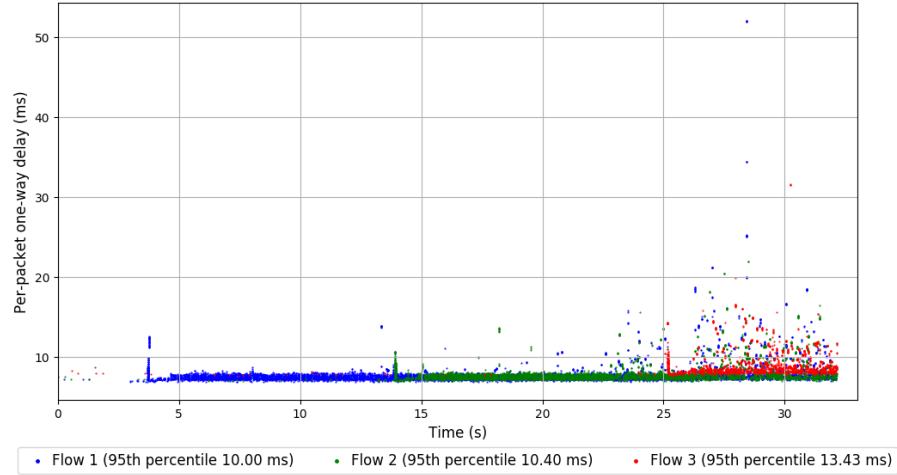
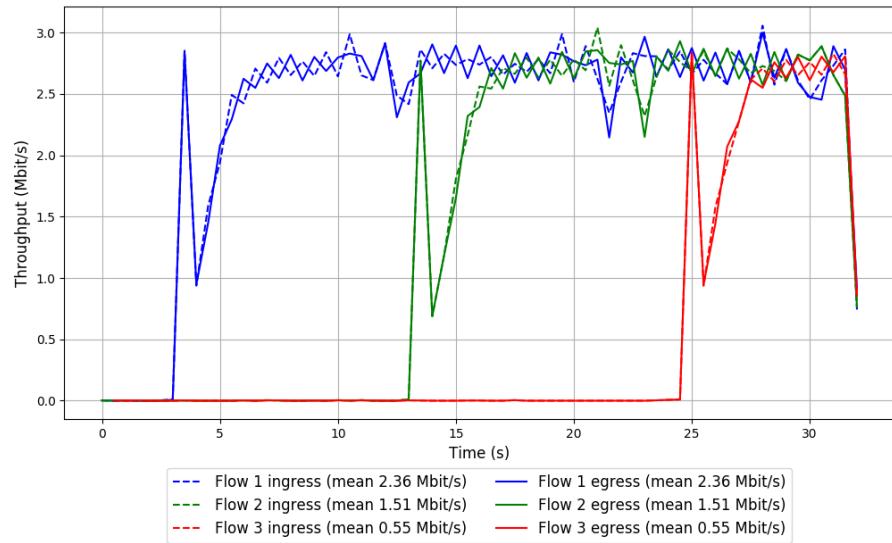


Run 7: Statistics of WebRTC media

```
Start at: 2017-09-22 05:05:40
End at: 2017-09-22 05:06:10
Local clock offset: -2.171 ms
Remote clock offset: -4.746 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 10.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 10.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 10.399 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 13.431 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

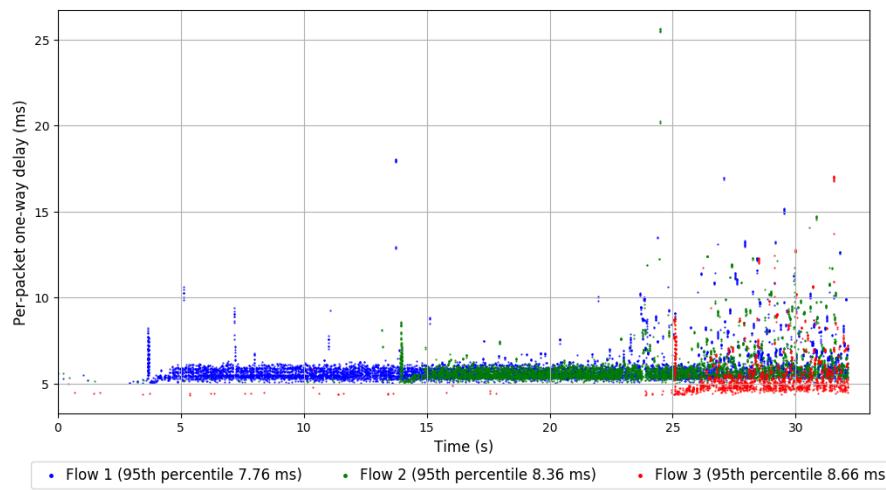
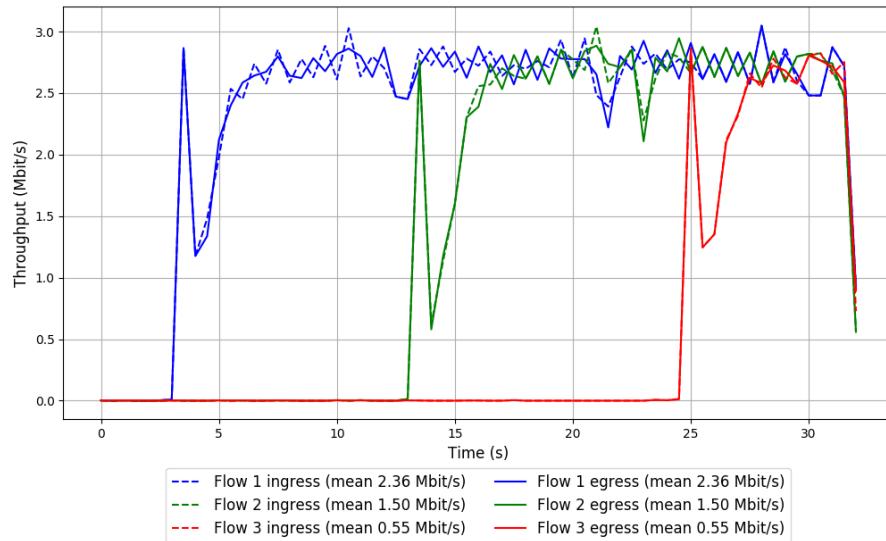


Run 8: Statistics of WebRTC media

```
Start at: 2017-09-22 05:22:30
End at: 2017-09-22 05:23:00
Local clock offset: 1.698 ms
Remote clock offset: -3.578 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 8.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 7.760 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 8.355 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 8.663 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

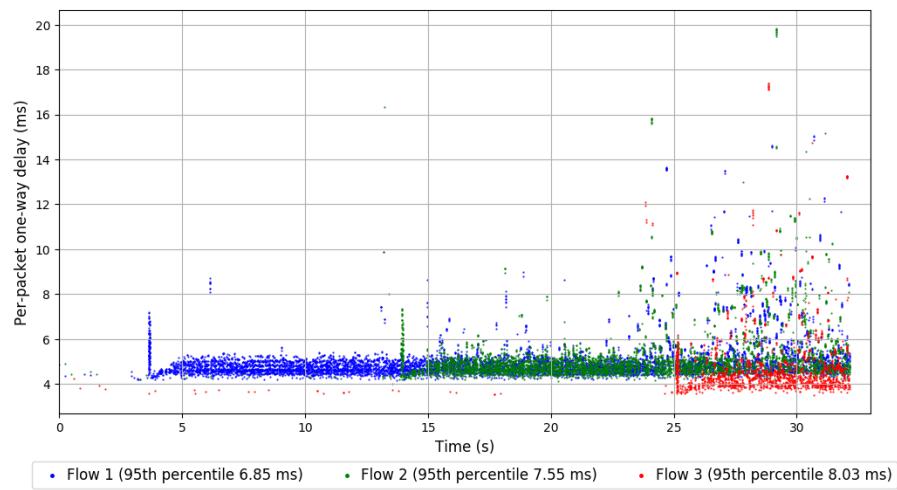
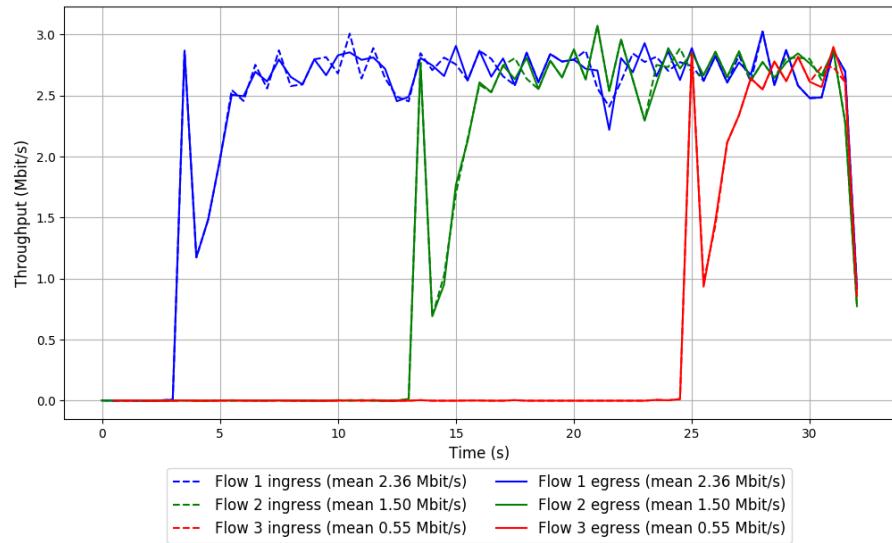


Run 9: Statistics of WebRTC media

```
Start at: 2017-09-22 05:39:36
End at: 2017-09-22 05:40:06
Local clock offset: 1.886 ms
Remote clock offset: -4.279 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 7.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 6.852 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 7.553 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 8.030 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

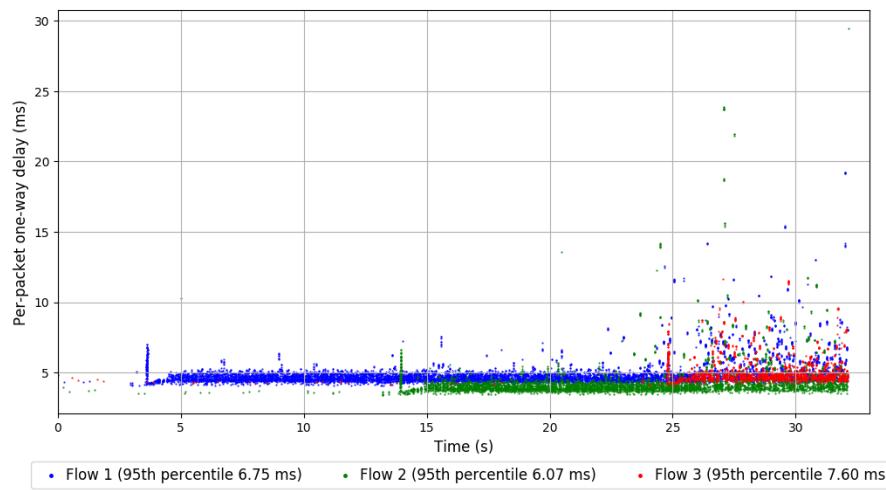
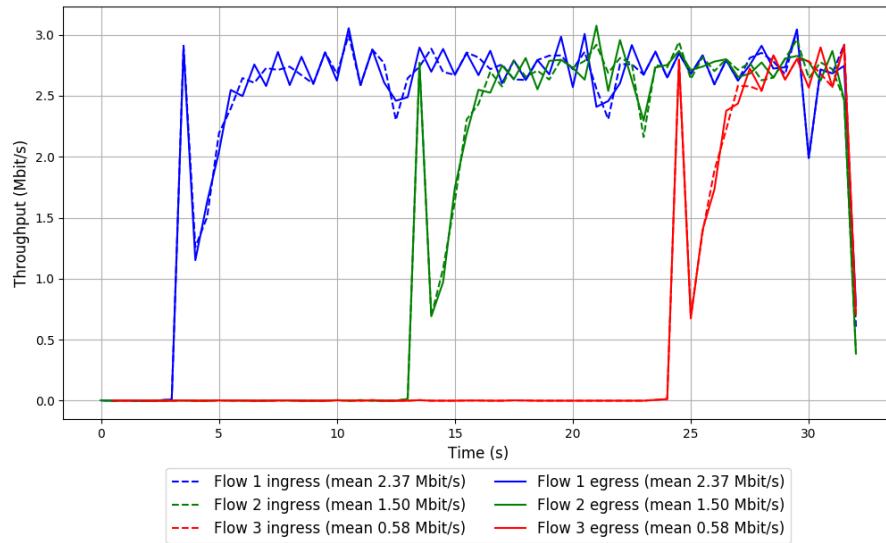


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-09-22 05:56:22
End at: 2017-09-22 05:56:52
Local clock offset: 2.279 ms
Remote clock offset: -3.528 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 6.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 6.745 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 6.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 7.597 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

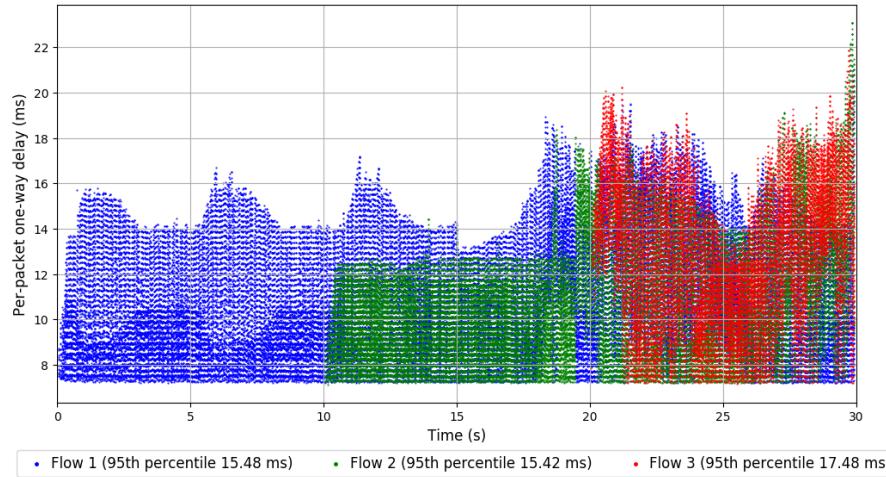
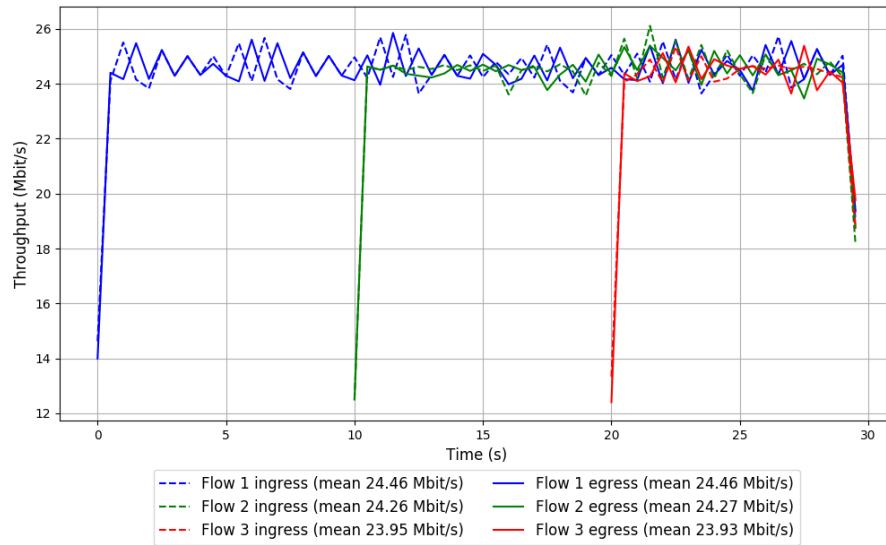


Run 1: Statistics of Sprout

```
Start at: 2017-09-22 02:58:57
End at: 2017-09-22 02:59:27
Local clock offset: 1.527 ms
Remote clock offset: -1.79 ms

# Below is generated by plot.py at 2017-09-22 06:36:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 16.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 15.481 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 15.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 17.482 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

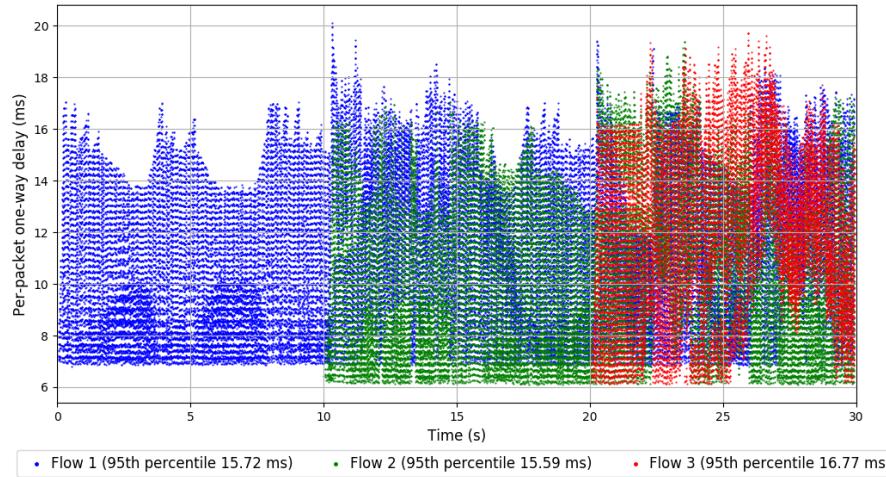
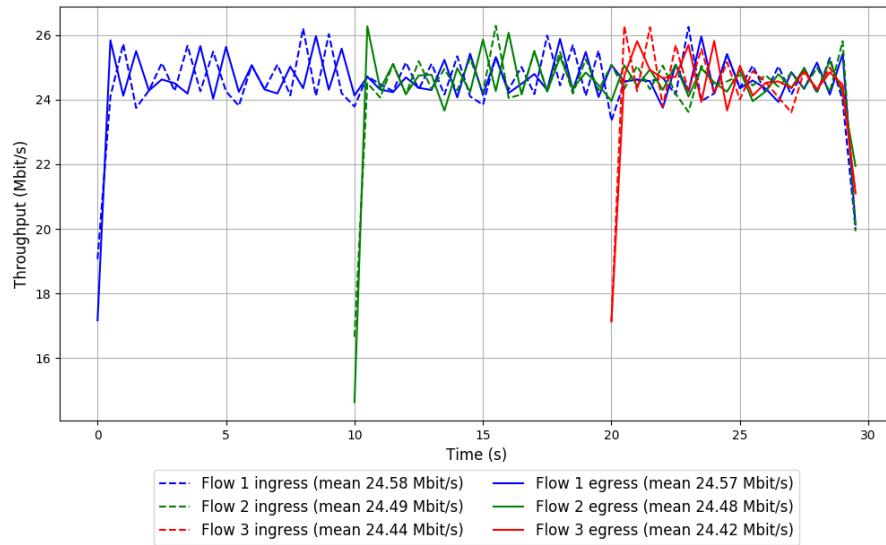


Run 2: Statistics of Sprout

```
Start at: 2017-09-22 03:37:48
End at: 2017-09-22 03:38:18
Local clock offset: 0.657 ms
Remote clock offset: -2.589 ms

# Below is generated by plot.py at 2017-09-22 06:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 15.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 15.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 15.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 16.773 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

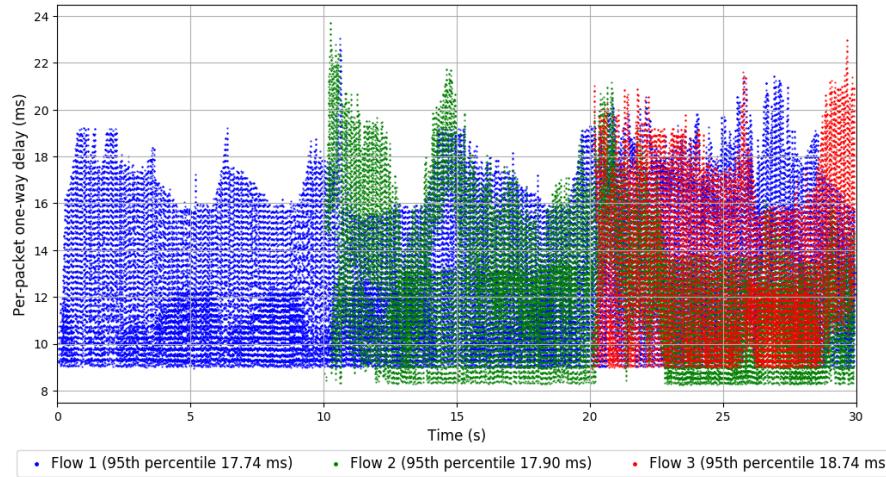
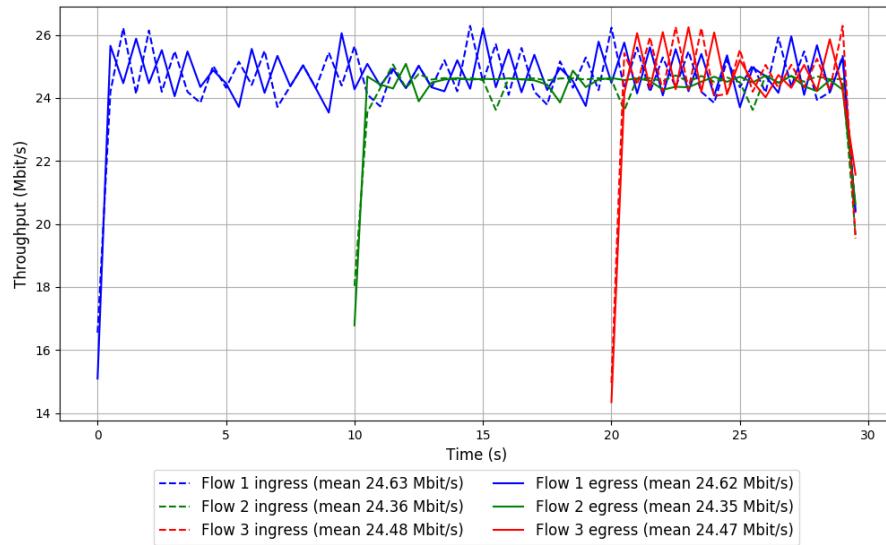


Run 3: Statistics of Sprout

```
Start at: 2017-09-22 03:55:39
End at: 2017-09-22 03:56:09
Local clock offset: -1.534 ms
Remote clock offset: -2.372 ms

# Below is generated by plot.py at 2017-09-22 06:36:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 17.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 17.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 18.736 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

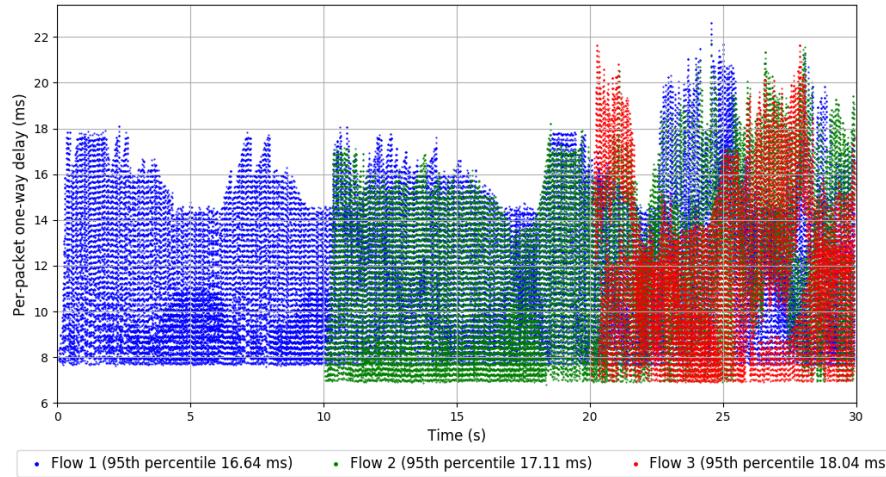
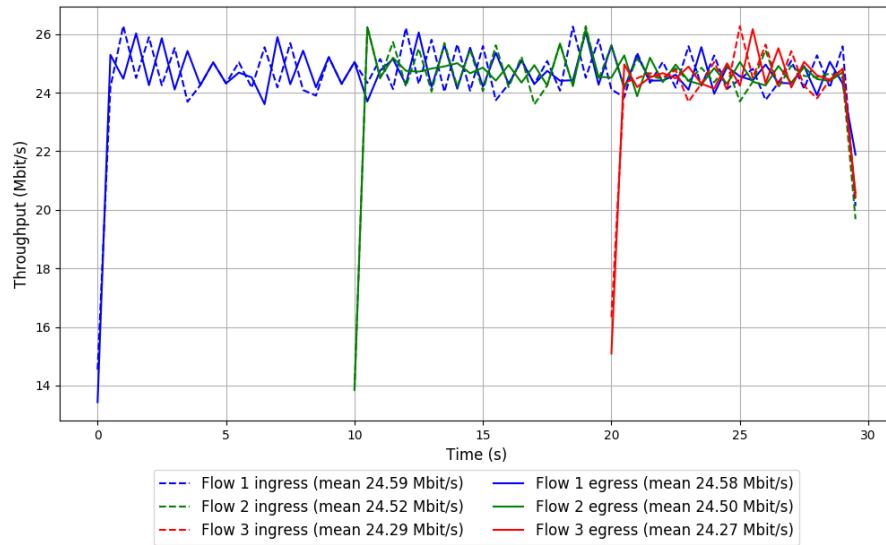


Run 4: Statistics of Sprout

```
Start at: 2017-09-22 04:14:02
End at: 2017-09-22 04:14:32
Local clock offset: 0.596 ms
Remote clock offset: -1.297 ms

# Below is generated by plot.py at 2017-09-22 06:36:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 17.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 16.641 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 17.115 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 18.038 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

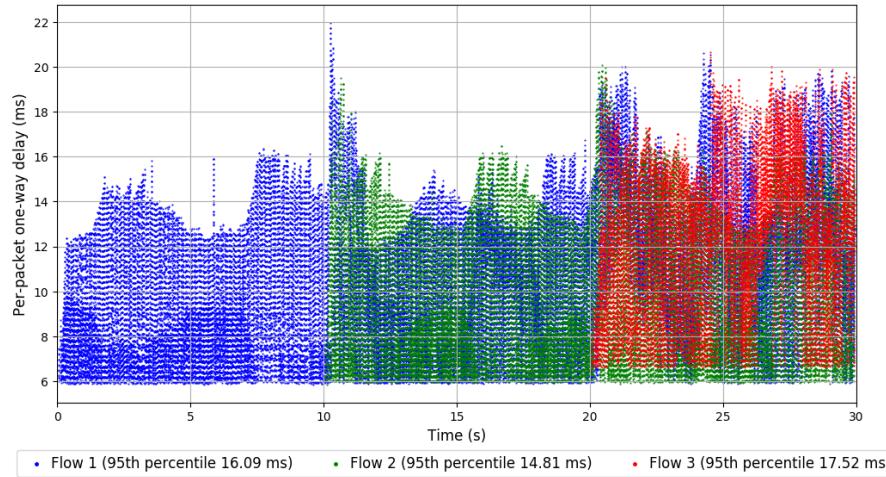
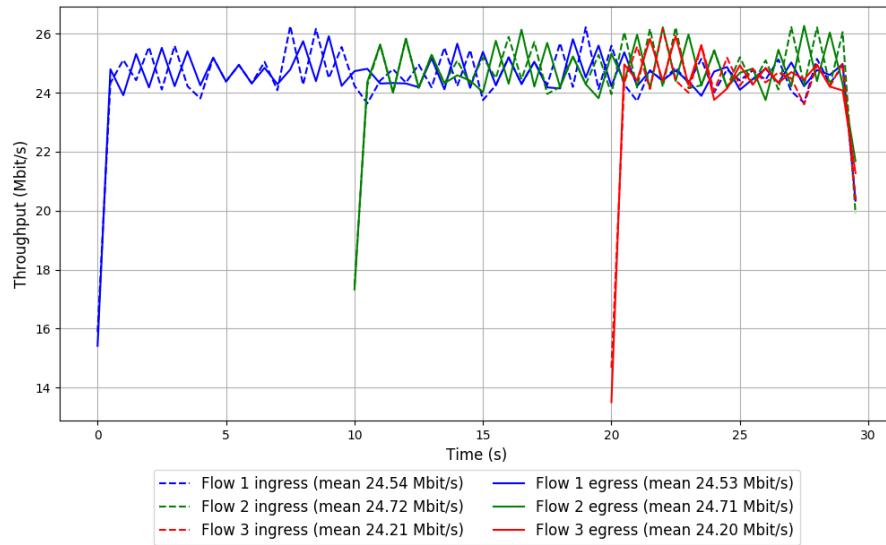


Run 5: Statistics of Sprout

```
Start at: 2017-09-22 04:32:44
End at: 2017-09-22 04:33:14
Local clock offset: -1.357 ms
Remote clock offset: -4.243 ms

# Below is generated by plot.py at 2017-09-22 06:36:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 16.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 16.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 14.815 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 17.520 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

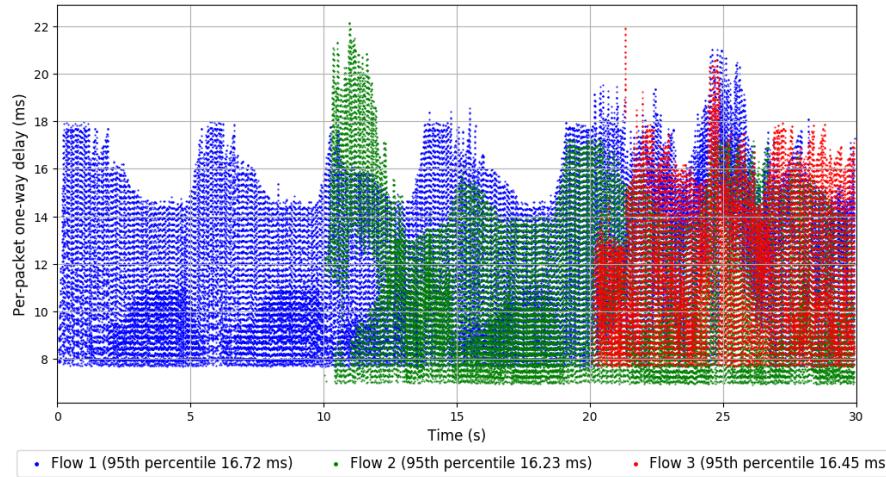
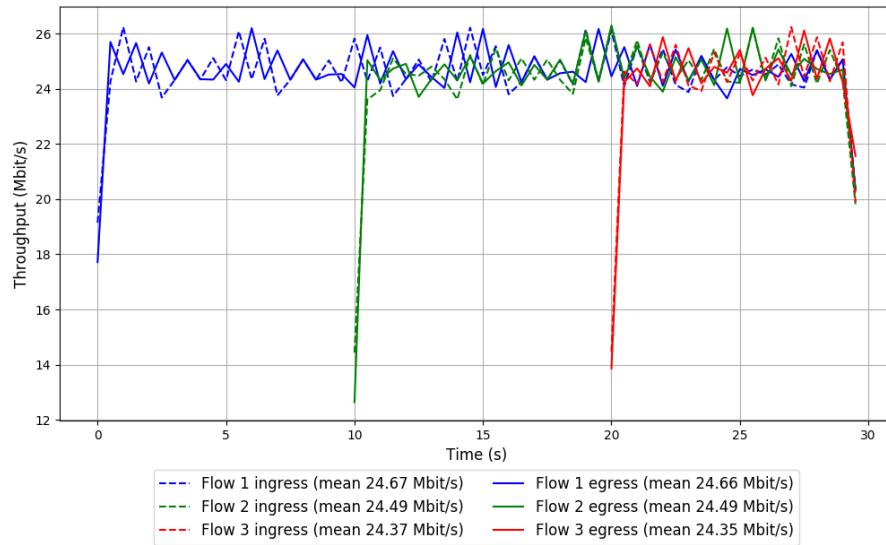


Run 6: Statistics of Sprout

```
Start at: 2017-09-22 04:49:58
End at: 2017-09-22 04:50:28
Local clock offset: -1.9 ms
Remote clock offset: -4.314 ms

# Below is generated by plot.py at 2017-09-22 06:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 16.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 16.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 16.227 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 16.445 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

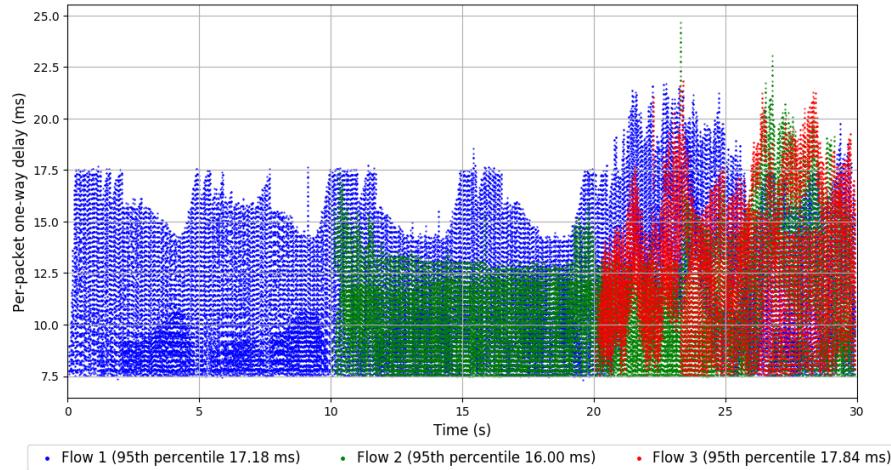
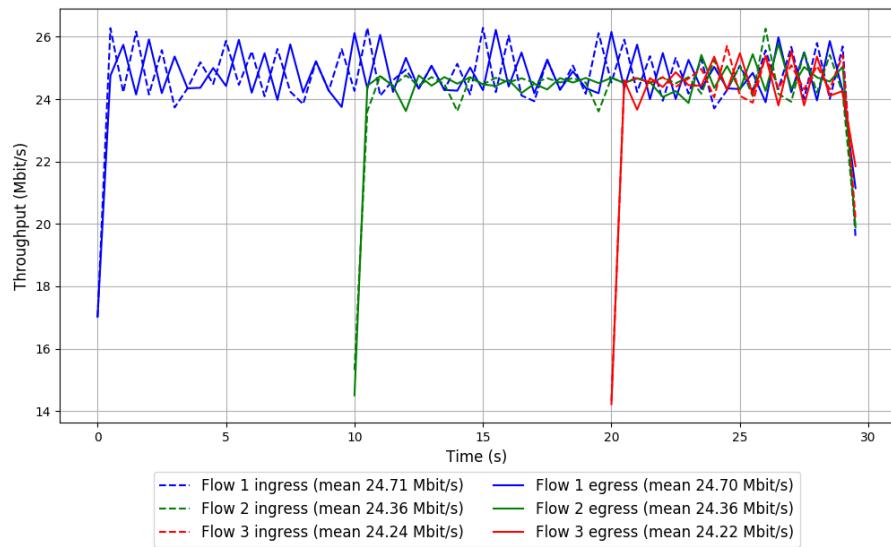


Run 7: Statistics of Sprout

```
Start at: 2017-09-22 05:06:46
End at: 2017-09-22 05:07:16
Local clock offset: -1.774 ms
Remote clock offset: -3.928 ms

# Below is generated by plot.py at 2017-09-22 06:36:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 17.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 17.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 15.997 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 17.838 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

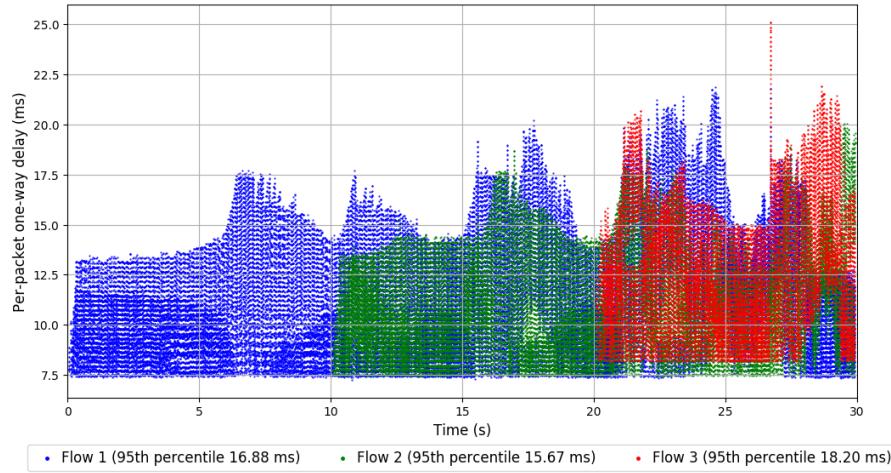
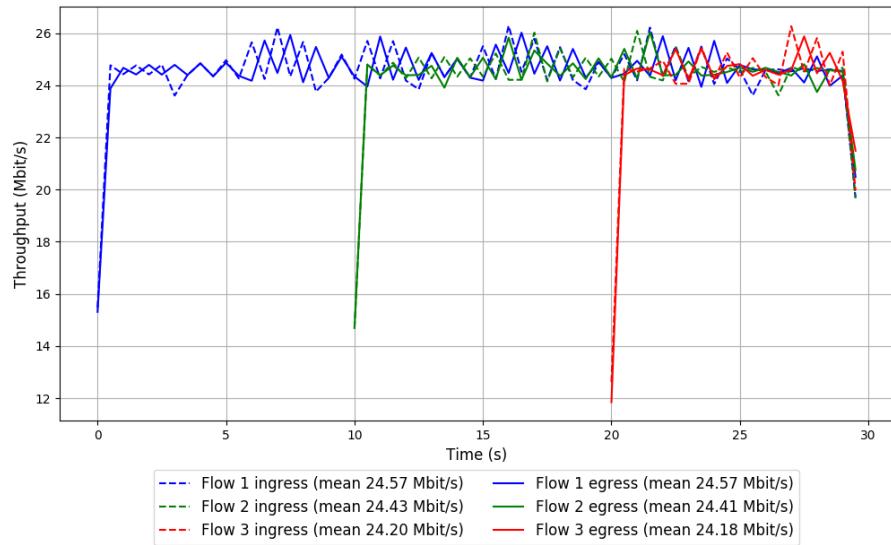


Run 8: Statistics of Sprout

```
Start at: 2017-09-22 05:23:36
End at: 2017-09-22 05:24:06
Local clock offset: -1.025 ms
Remote clock offset: -3.419 ms

# Below is generated by plot.py at 2017-09-22 06:36:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 16.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 16.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 15.672 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 18.200 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

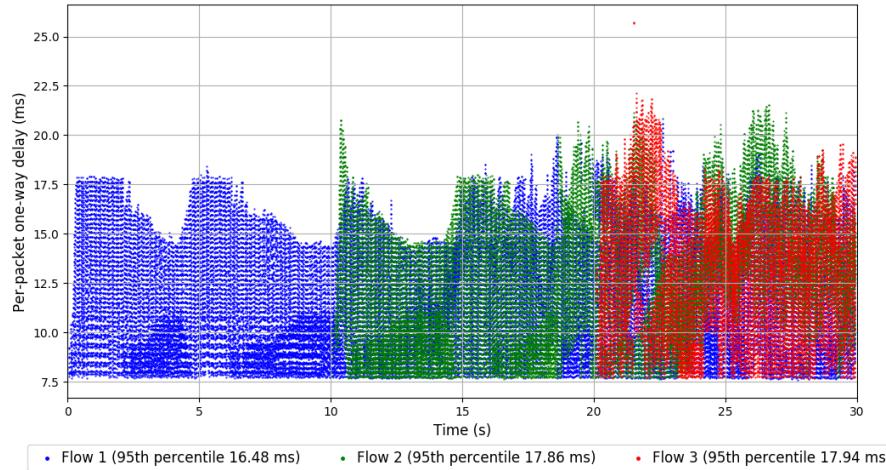
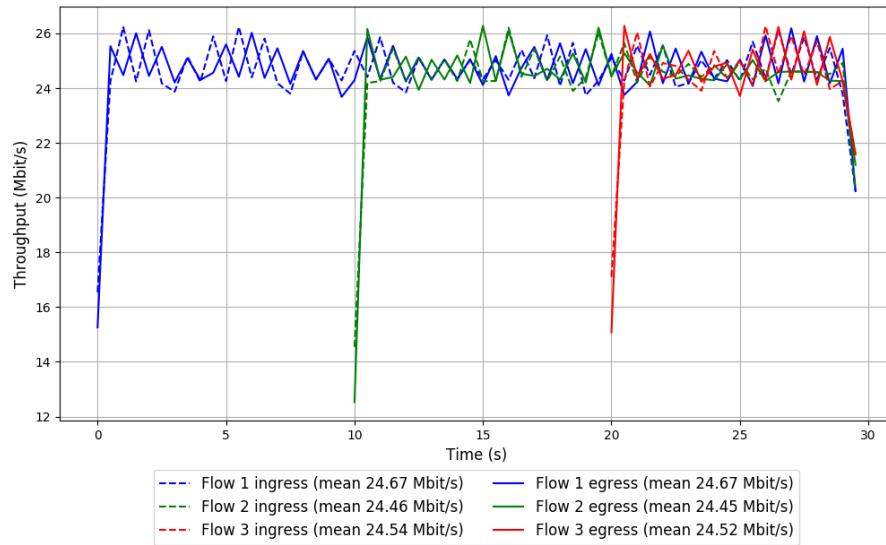


Run 9: Statistics of Sprout

```
Start at: 2017-09-22 05:40:42
End at: 2017-09-22 05:41:12
Local clock offset: -1.356 ms
Remote clock offset: -3.556 ms

# Below is generated by plot.py at 2017-09-22 06:36:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 17.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 16.484 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 17.861 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 17.938 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

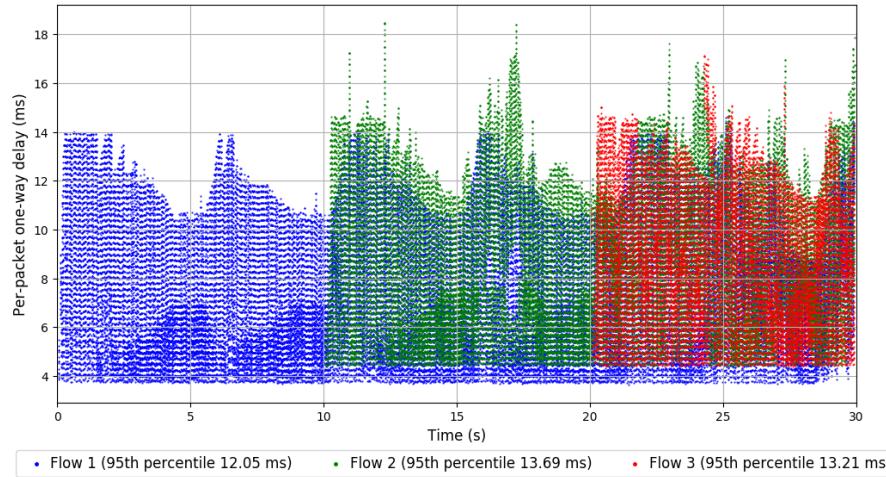
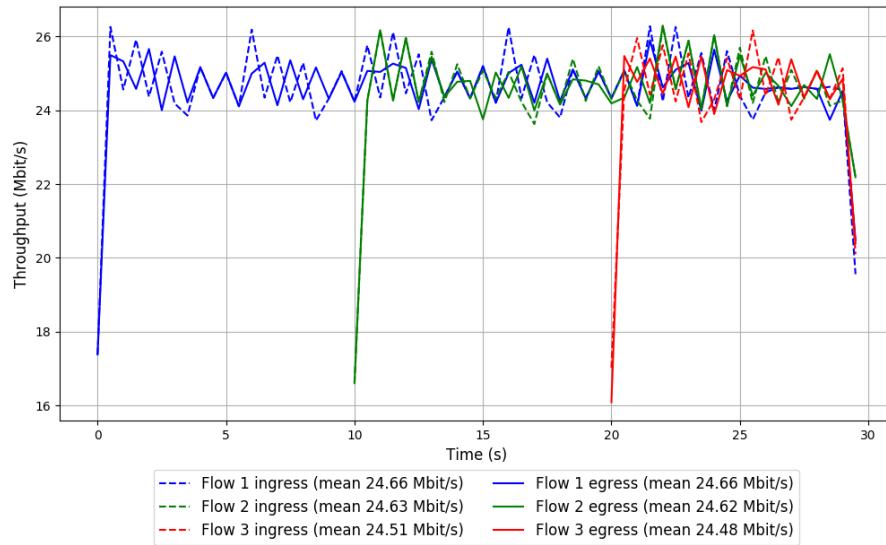


Run 10: Statistics of Sprout

```
Start at: 2017-09-22 05:57:29
End at: 2017-09-22 05:57:59
Local clock offset: 1.897 ms
Remote clock offset: -3.826 ms

# Below is generated by plot.py at 2017-09-22 06:36:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 12.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 12.051 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 13.687 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 13.213 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

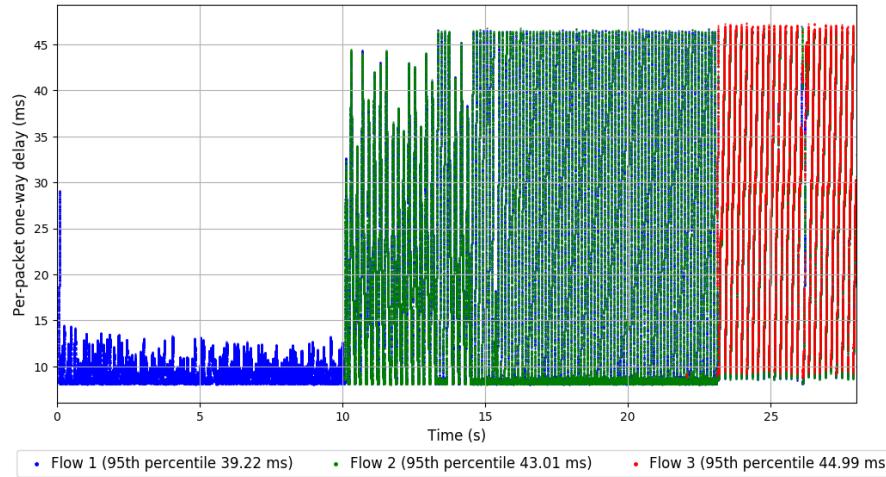
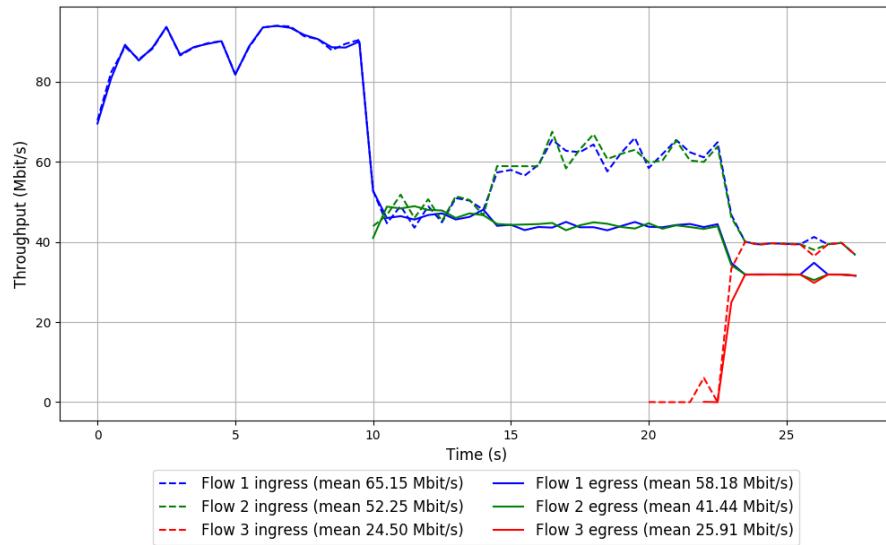


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-09-22 03:06:32
End at: 2017-09-22 03:07:02
Local clock offset: -0.936 ms
Remote clock offset: -2.502 ms

# Below is generated by plot.py at 2017-09-22 06:38:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 41.638 ms
Loss rate: 14.45%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 39.215 ms
Loss rate: 10.63%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 43.012 ms
Loss rate: 20.60%
-- Flow 3:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 44.986 ms
Loss rate: 20.61%
```

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



Run 2: Statistics of TaoVA-100x

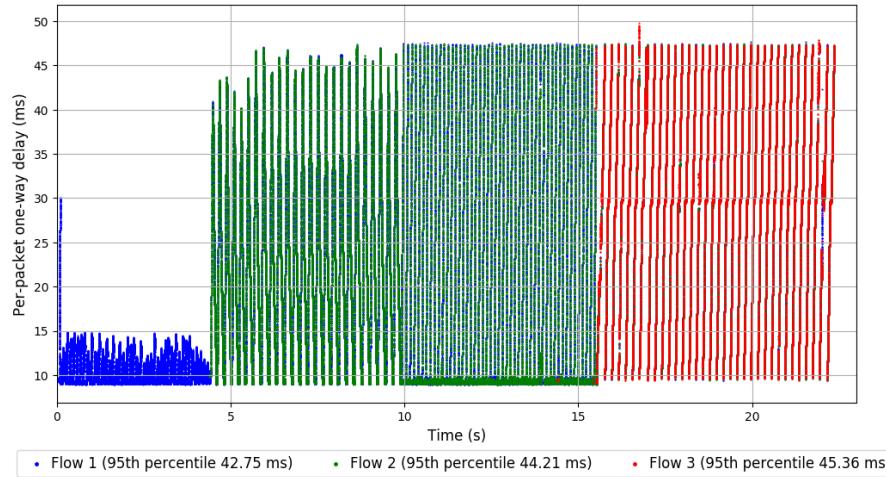
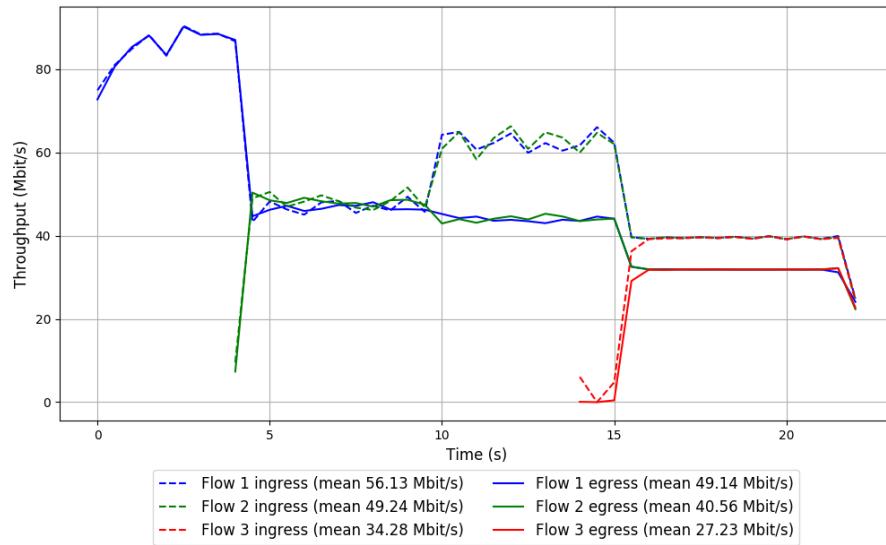
Start at: 2017-09-22 03:41:46

End at: 2017-09-22 03:42:16

Local clock offset: -1.1 ms

Remote clock offset: -1.451 ms

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

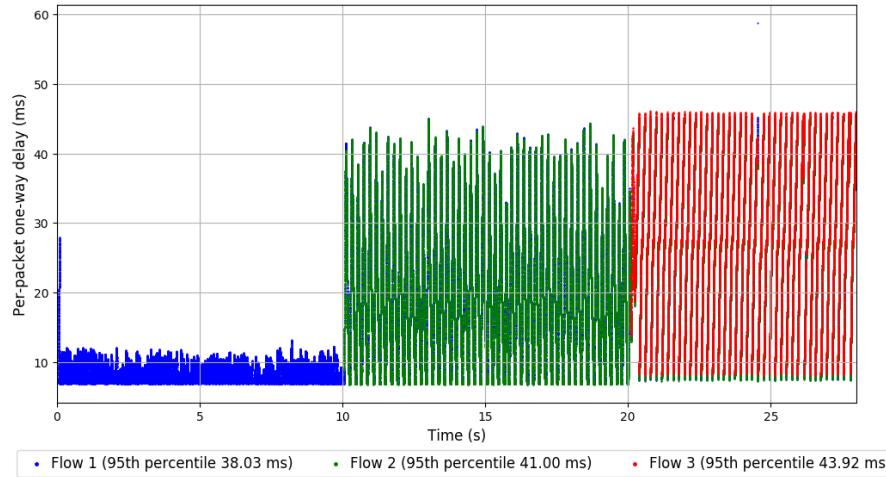
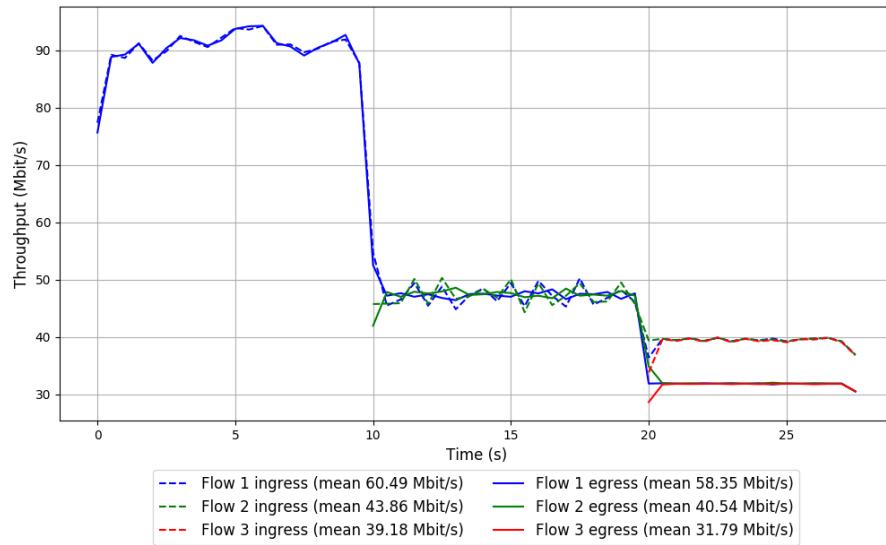


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-09-22 03:59:19
End at: 2017-09-22 03:59:49
Local clock offset: 0.828 ms
Remote clock offset: -1.401 ms

# Below is generated by plot.py at 2017-09-22 06:38:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 40.293 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 38.029 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 41.002 ms
Loss rate: 7.53%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 43.921 ms
Loss rate: 19.04%
```

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

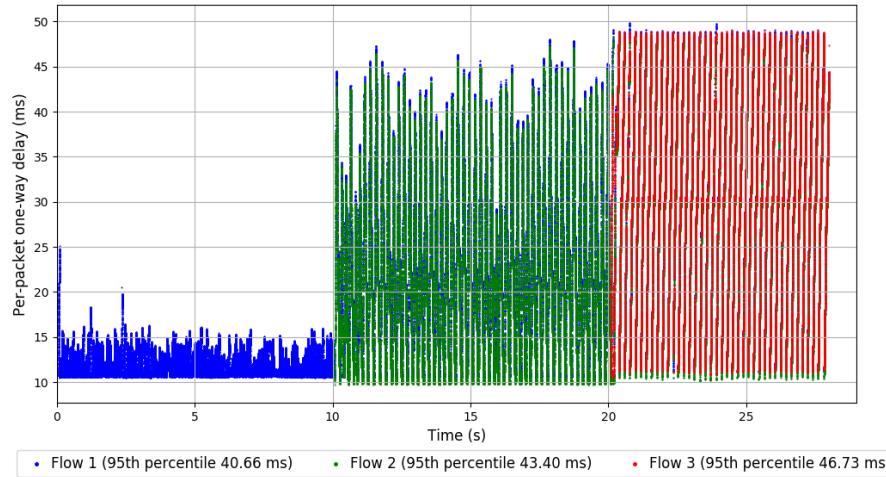
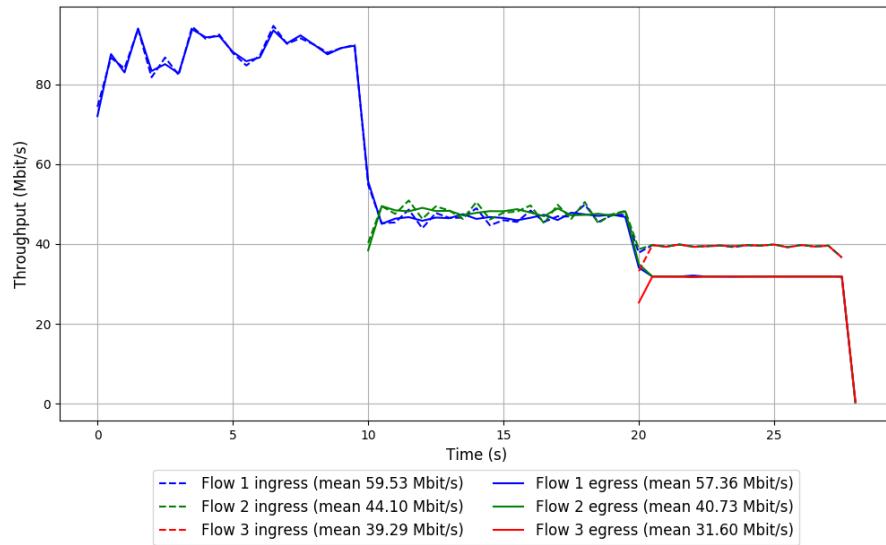


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-09-22 04:18:07
End at: 2017-09-22 04:18:37
Local clock offset: -2.698 ms
Remote clock offset: -1.679 ms

# Below is generated by plot.py at 2017-09-22 06:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 42.920 ms
Loss rate: 6.44%
-- Flow 1:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 40.660 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 43.403 ms
Loss rate: 7.48%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 46.729 ms
Loss rate: 19.29%
```

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

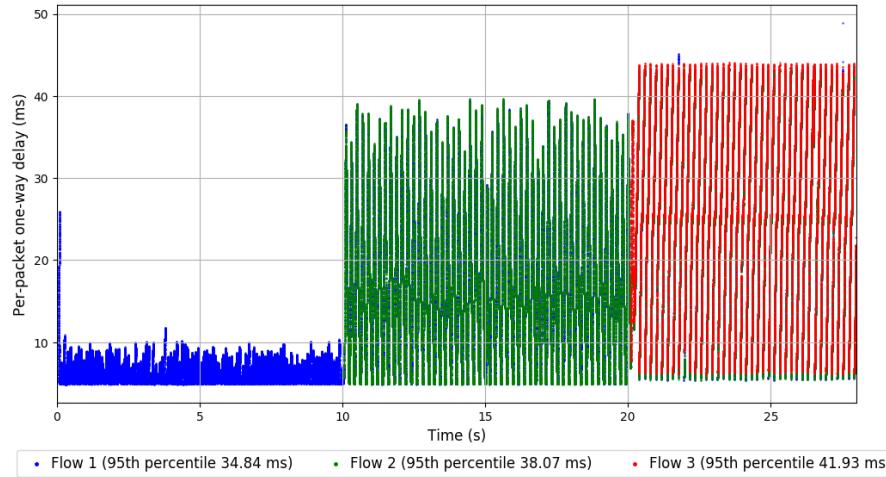
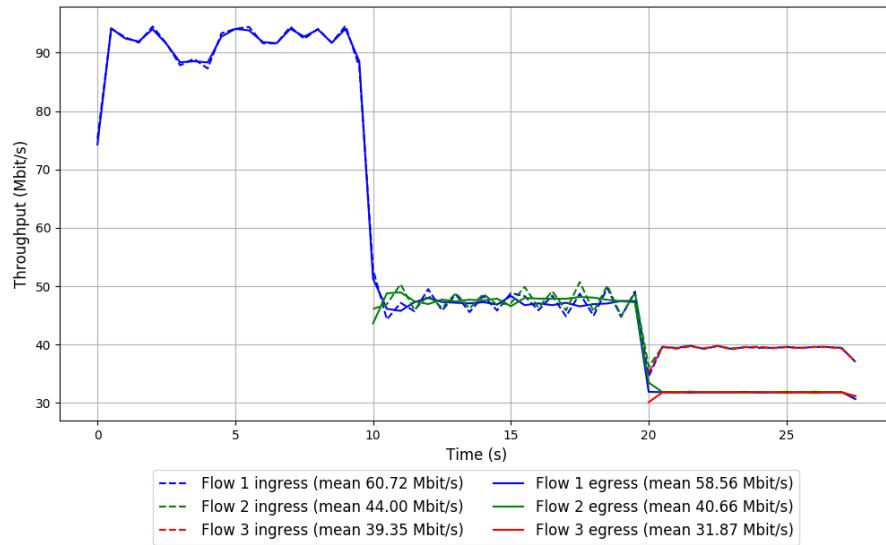


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-09-22 04:36:34
End at: 2017-09-22 04:37:04
Local clock offset: 0.154 ms
Remote clock offset: -3.923 ms

# Below is generated by plot.py at 2017-09-22 06:38:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 37.351 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 34.841 ms
Loss rate: 3.50%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 38.067 ms
Loss rate: 7.50%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 41.927 ms
Loss rate: 18.96%
```

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

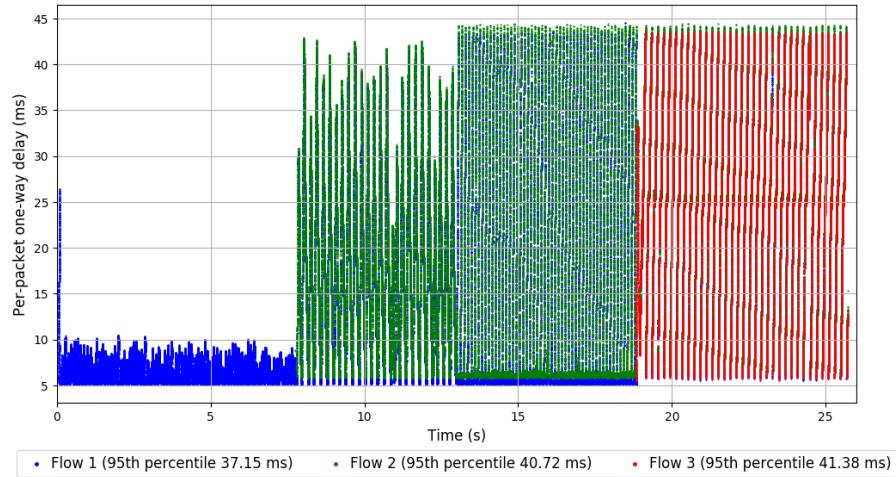
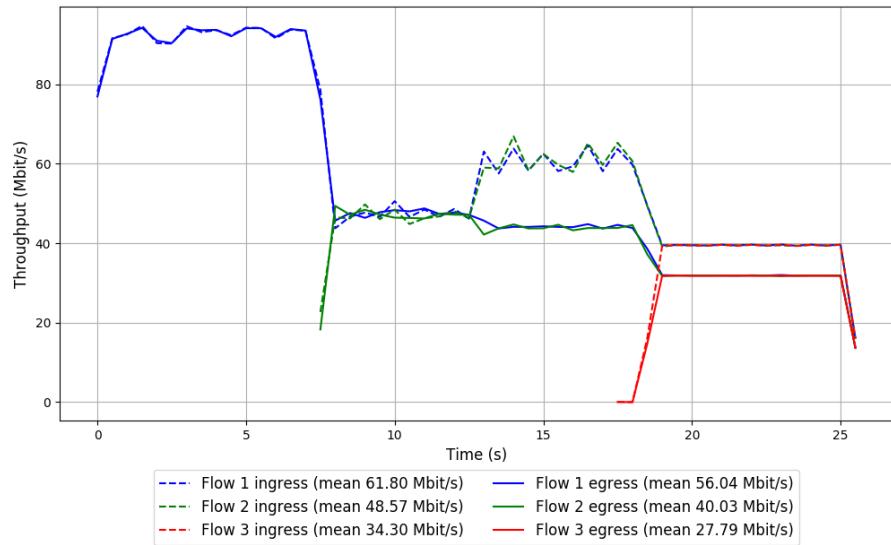


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-09-22 04:53:33
End at: 2017-09-22 04:54:03
Local clock offset: 0.573 ms
Remote clock offset: -3.838 ms

# Below is generated by plot.py at 2017-09-22 06:38:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 39.252 ms
Loss rate: 12.89%
-- Flow 1:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 37.145 ms
Loss rate: 9.29%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 40.717 ms
Loss rate: 17.56%
-- Flow 3:
Average throughput: 27.79 Mbit/s
95th percentile per-packet one-way delay: 41.382 ms
Loss rate: 18.95%
```

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

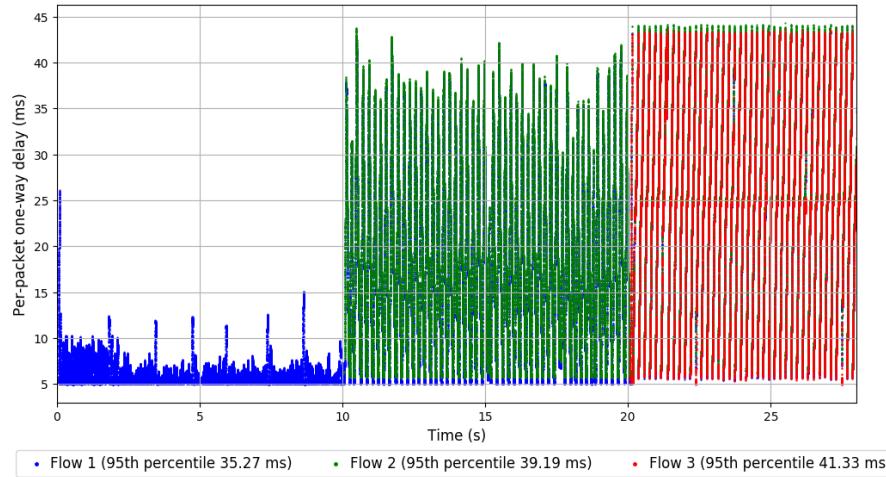
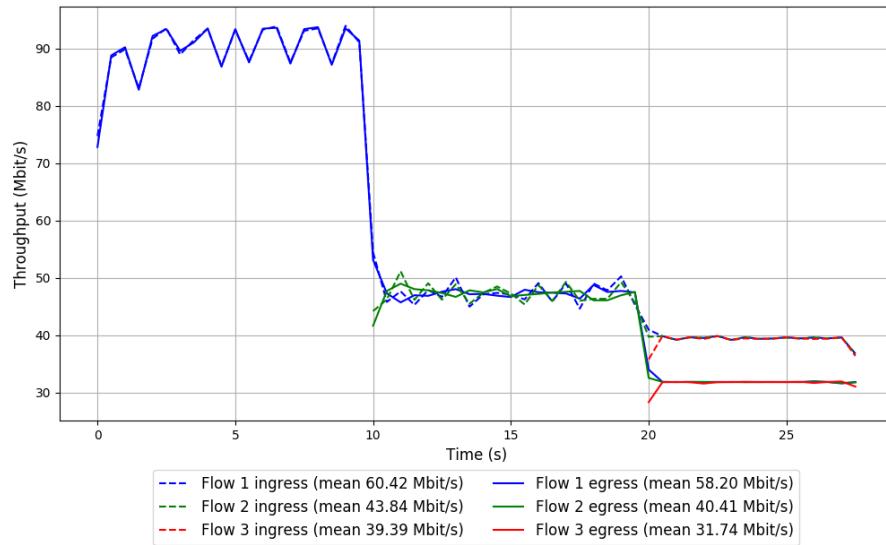


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-09-22 05:10:24
End at: 2017-09-22 05:10:54
Local clock offset: 0.494 ms
Remote clock offset: -4.301 ms

# Below is generated by plot.py at 2017-09-22 06:39:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 37.850 ms
Loss rate: 6.50%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 35.268 ms
Loss rate: 3.58%
-- Flow 2:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 39.191 ms
Loss rate: 7.72%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 41.327 ms
Loss rate: 19.22%
```

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

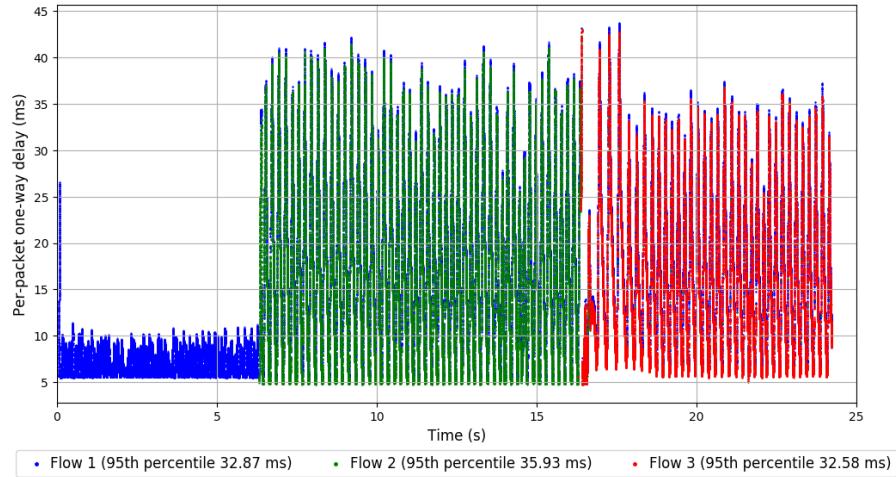
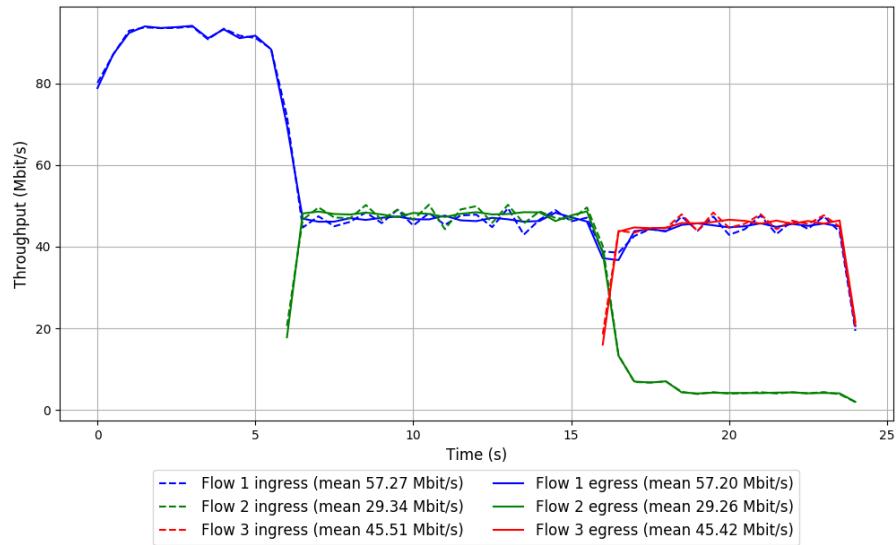


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-09-22 05:27:11
End at: 2017-09-22 05:27:41
Local clock offset: 0.609 ms
Remote clock offset: -4.474 ms

# Below is generated by plot.py at 2017-09-22 06:39:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 33.730 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 32.874 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 35.931 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 32.583 ms
Loss rate: 0.10%
```

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

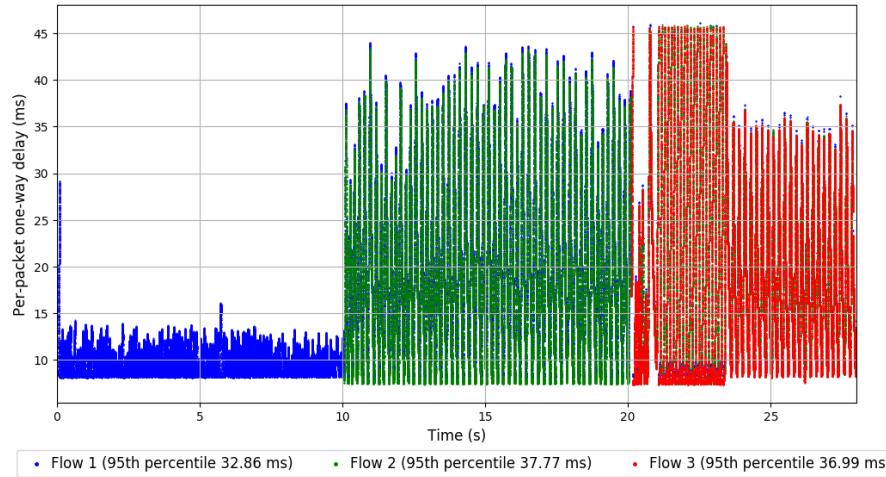
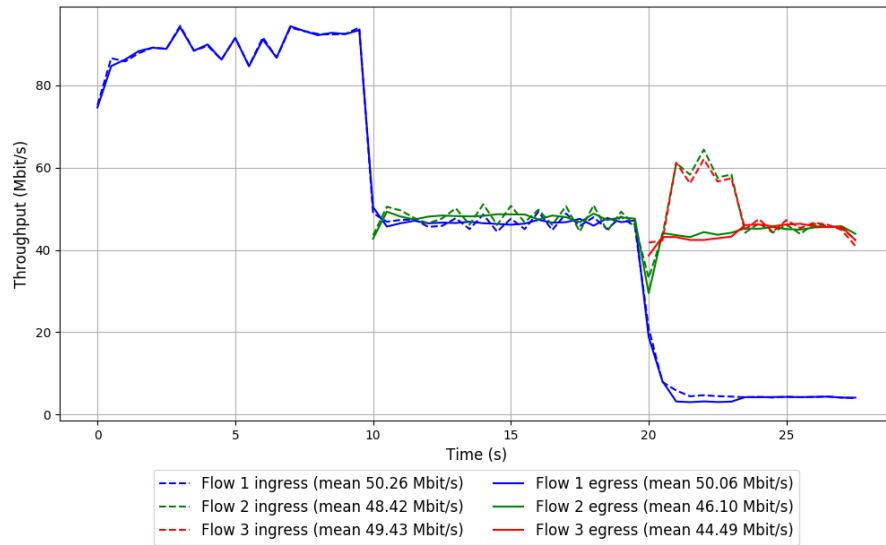


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-09-22 05:44:12
End at: 2017-09-22 05:44:42
Local clock offset: -1.1 ms
Remote clock offset: -3.5 ms

# Below is generated by plot.py at 2017-09-22 06:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 35.787 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 32.860 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 37.769 ms
Loss rate: 4.80%
-- Flow 3:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 36.989 ms
Loss rate: 10.17%
```

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

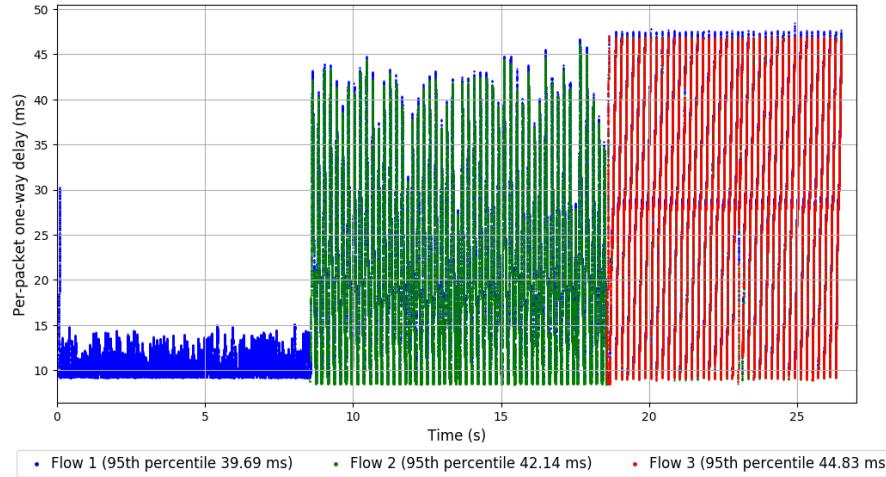
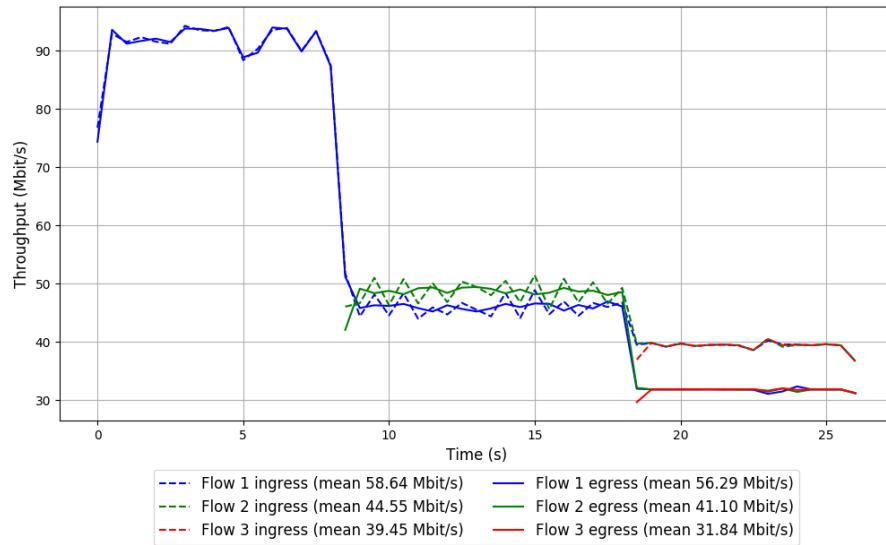


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-09-22 06:01:05
End at: 2017-09-22 06:01:35
Local clock offset: -2.342 ms
Remote clock offset: -3.325 ms

# Below is generated by plot.py at 2017-09-22 06:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 41.695 ms
Loss rate: 6.85%
-- Flow 1:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 39.691 ms
Loss rate: 3.95%
-- Flow 2:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 42.137 ms
Loss rate: 7.66%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 44.832 ms
Loss rate: 19.16%
```

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

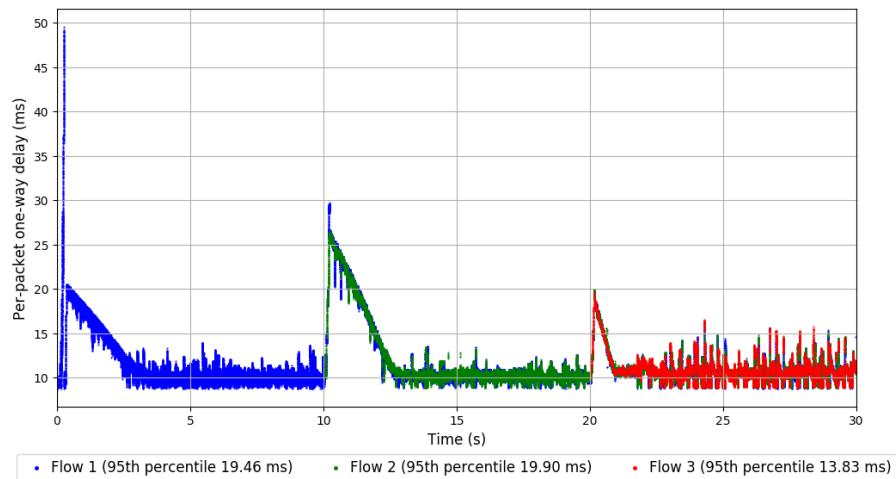
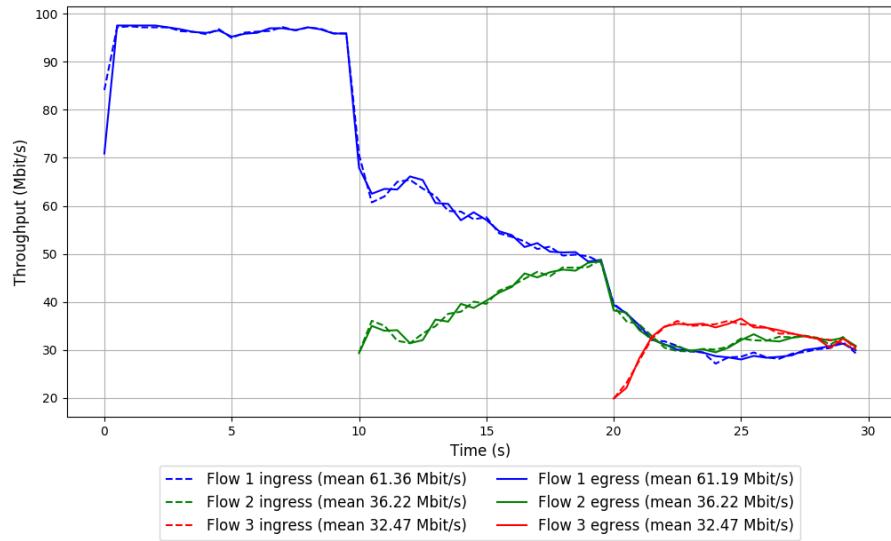


Run 1: Statistics of TCP Vegas

```
Start at: 2017-09-22 03:04:16
End at: 2017-09-22 03:04:46
Local clock offset: -0.778 ms
Remote clock offset: -2.341 ms

# Below is generated by plot.py at 2017-09-22 06:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 19.206 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 19.461 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 19.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 13.829 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

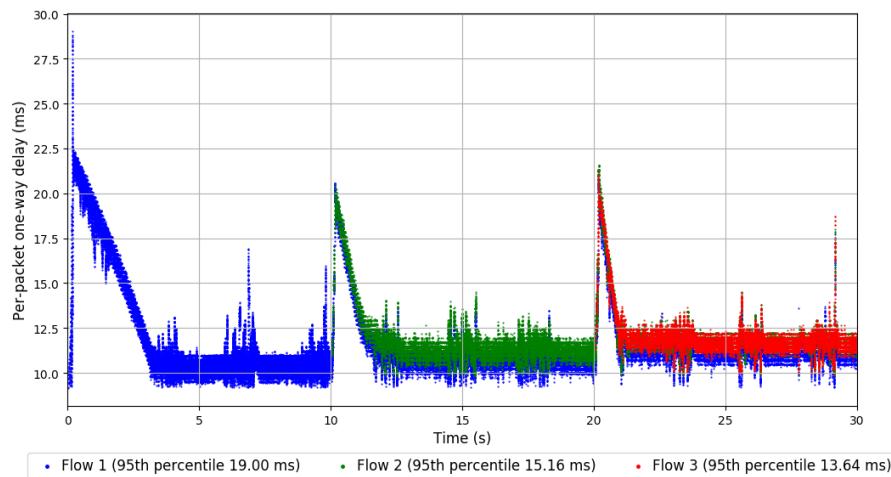
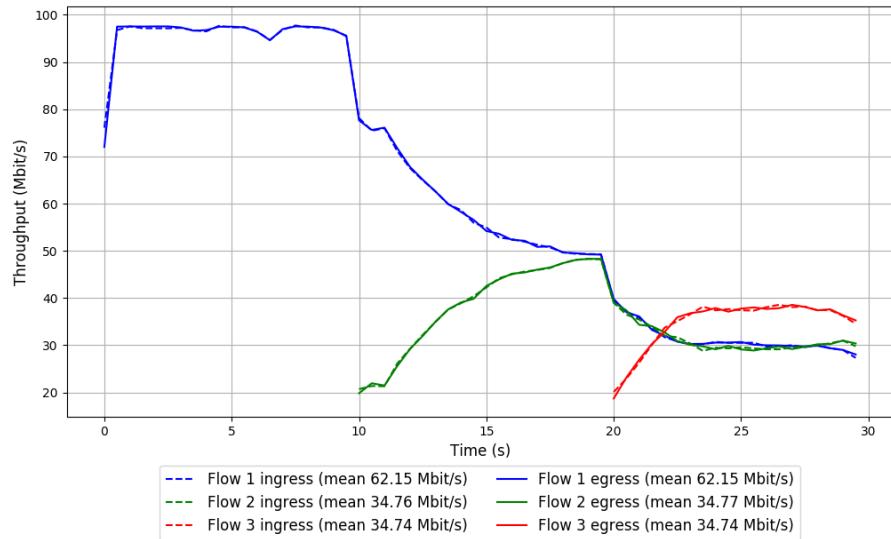


Run 2: Statistics of TCP Vegas

```
Start at: 2017-09-22 03:40:26
End at: 2017-09-22 03:40:56
Local clock offset: -1.26 ms
Remote clock offset: -1.403 ms

# Below is generated by plot.py at 2017-09-22 06:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 18.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 15.160 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 13.644 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

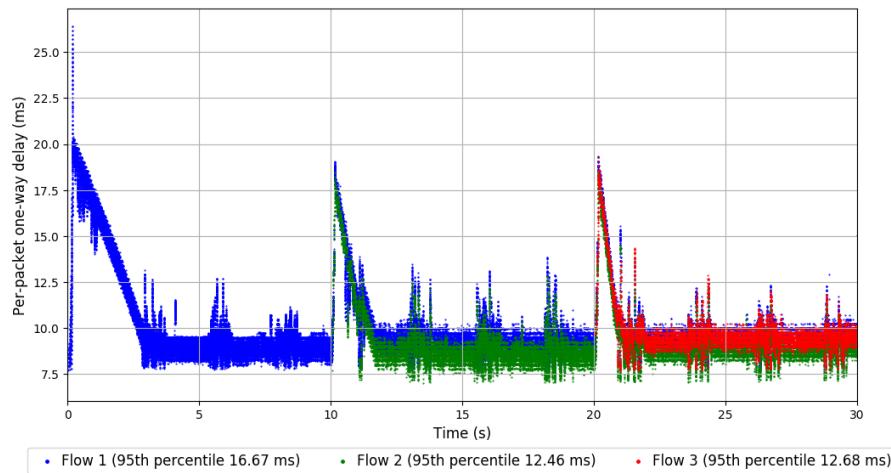
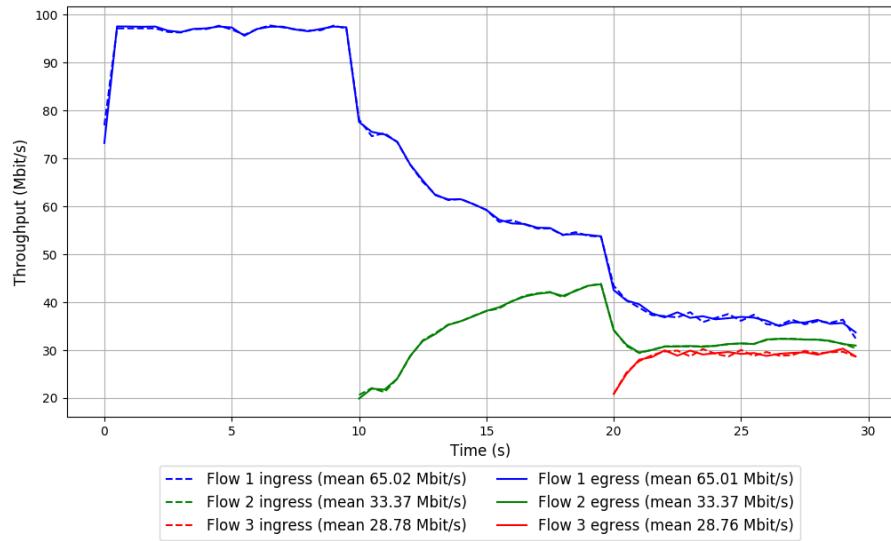


Run 3: Statistics of TCP Vegas

```
Start at: 2017-09-22 03:58:05
End at: 2017-09-22 03:58:35
Local clock offset: 0.057 ms
Remote clock offset: -2.016 ms

# Below is generated by plot.py at 2017-09-22 06:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 15.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 16.672 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 12.460 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 12.676 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

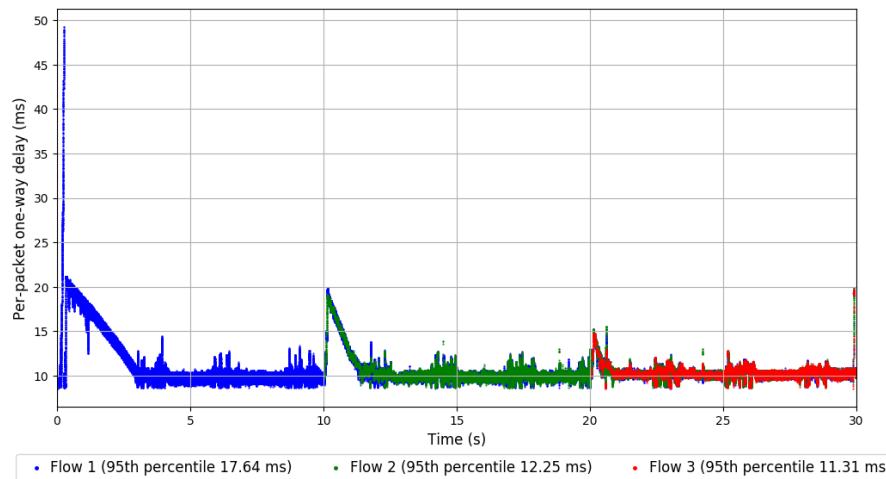
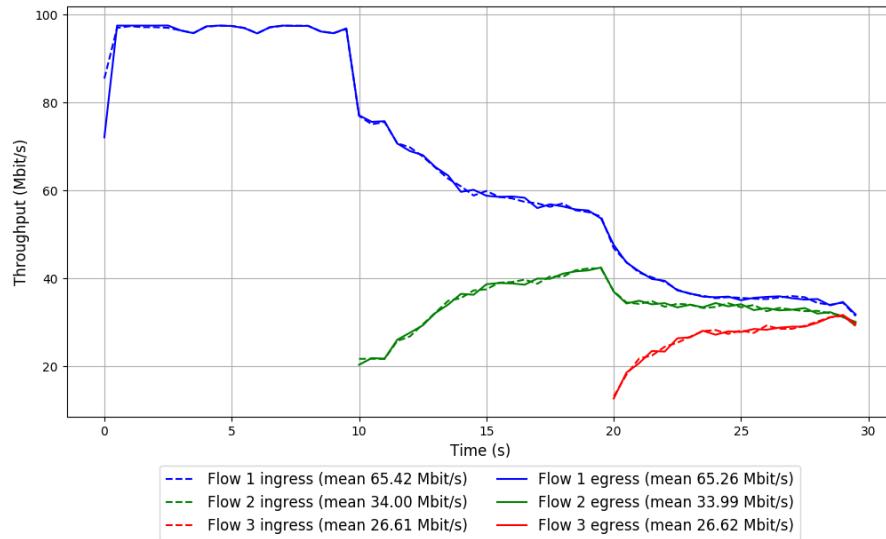


Run 4: Statistics of TCP Vegas

```
Start at: 2017-09-22 04:16:40
End at: 2017-09-22 04:17:10
Local clock offset: -1.274 ms
Remote clock offset: -2.167 ms

# Below is generated by plot.py at 2017-09-22 06:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 16.636 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 17.640 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 12.249 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 11.314 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

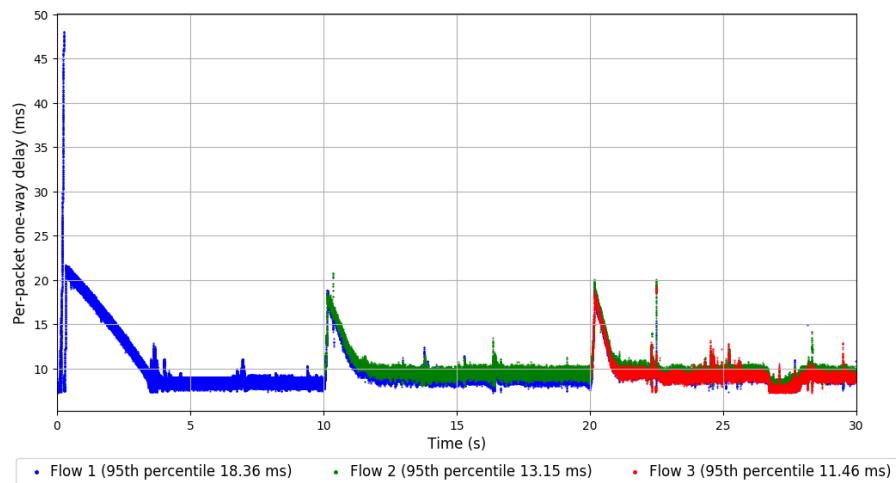
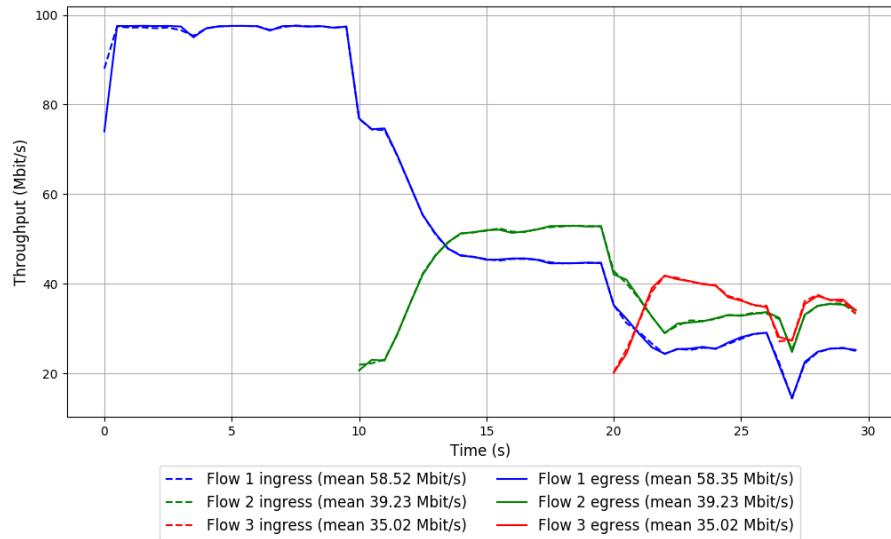


Run 5: Statistics of TCP Vegas

```
Start at: 2017-09-22 04:35:18
End at: 2017-09-22 04:35:48
Local clock offset: -2.052 ms
Remote clock offset: -3.693 ms

# Below is generated by plot.py at 2017-09-22 06:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 17.110 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 18.355 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 13.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 11.461 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

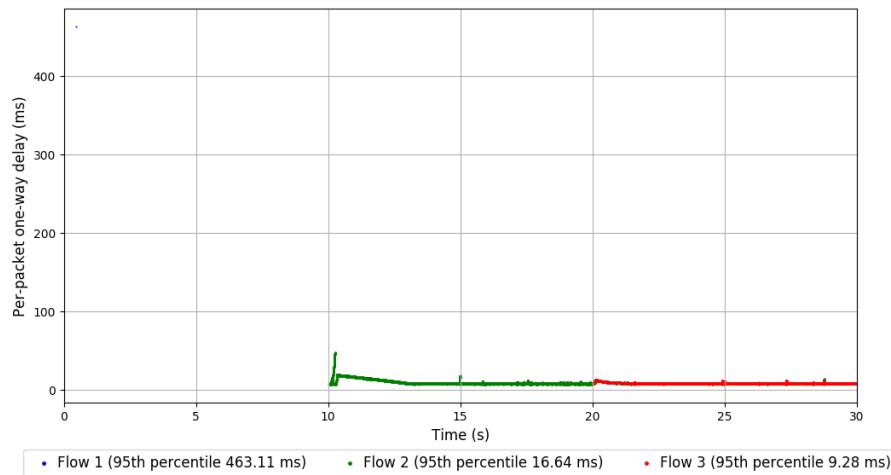
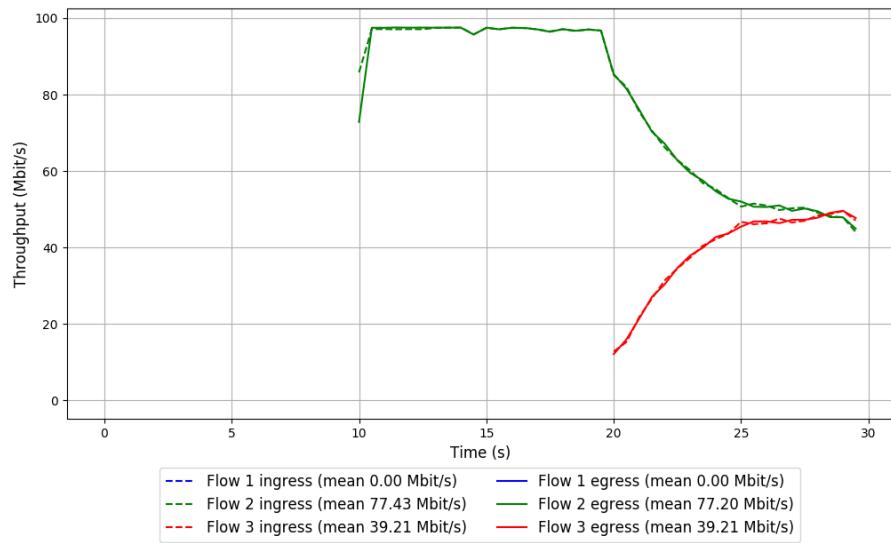


Run 6: Statistics of TCP Vegas

```
Start at: 2017-09-22 04:52:21
End at: 2017-09-22 04:52:51
Local clock offset: -2.183 ms
Remote clock offset: -4.566 ms

# Below is generated by plot.py at 2017-09-22 06:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 16.039 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 463.114 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 16.643 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 9.281 ms
Loss rate: 0.01%
```

Run 6: Report of TCP Vegas — Data Link

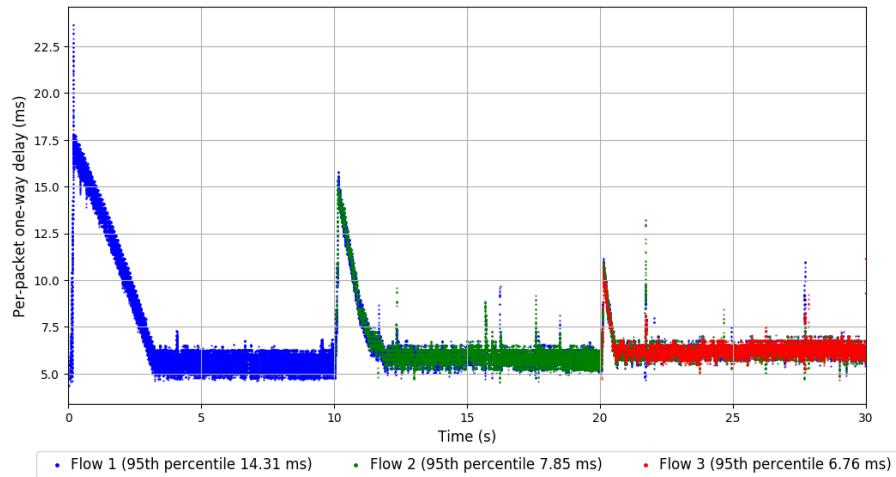
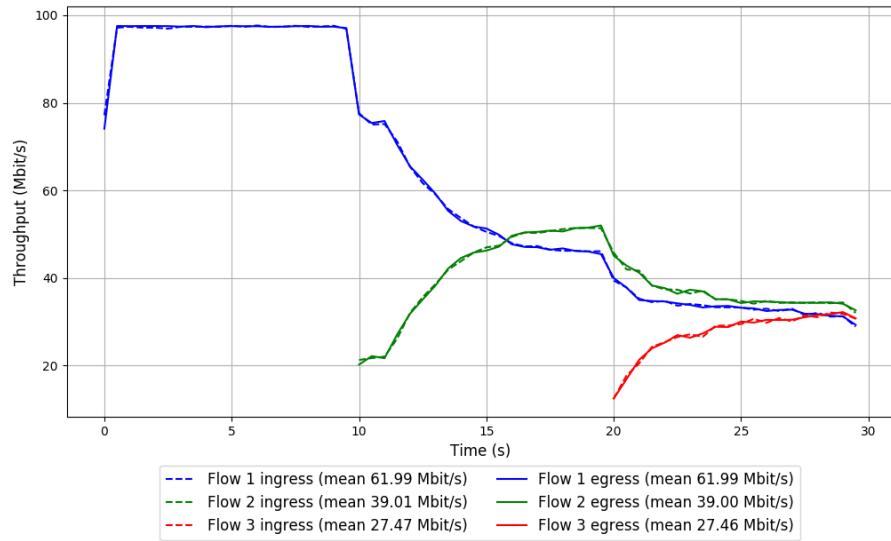


Run 7: Statistics of TCP Vegas

```
Start at: 2017-09-22 05:09:07
End at: 2017-09-22 05:09:37
Local clock offset: 1.702 ms
Remote clock offset: -4.232 ms

# Below is generated by plot.py at 2017-09-22 06:41:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 13.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 14.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 7.854 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 6.760 ms
Loss rate: 0.03%
```

Run 7: Report of TCP Vegas — Data Link

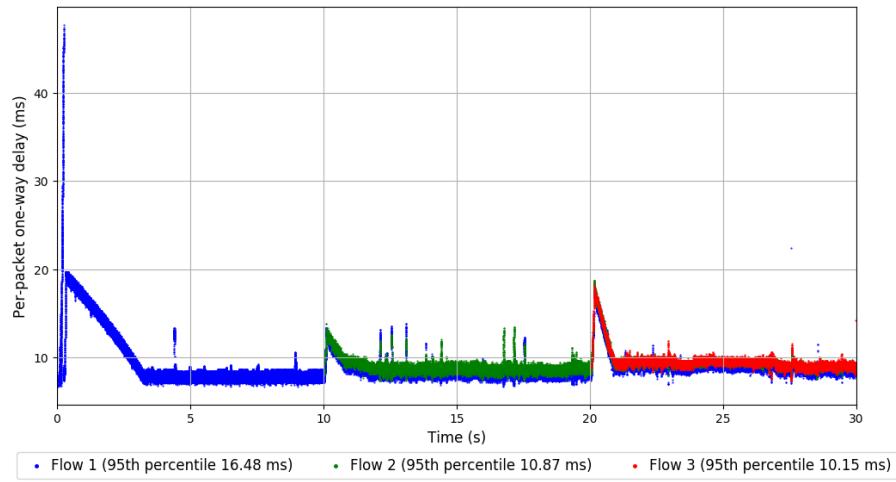
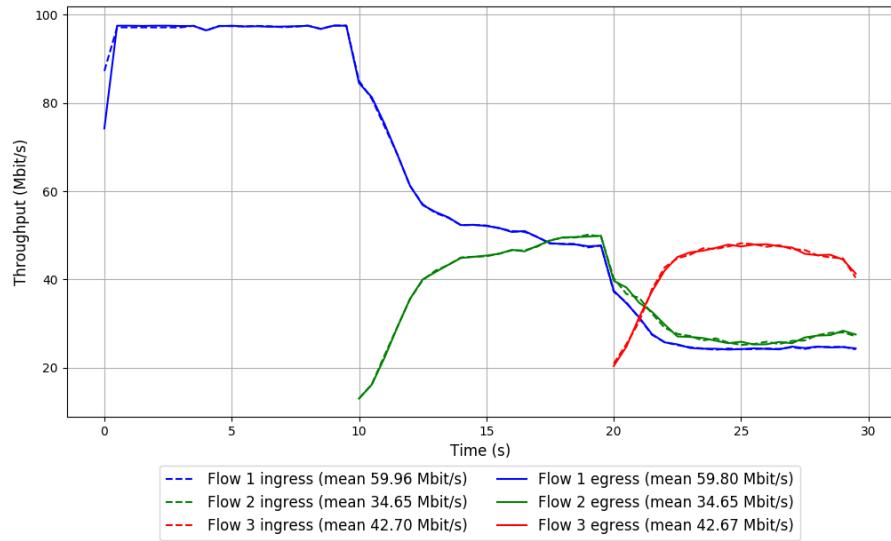


Run 8: Statistics of TCP Vegas

```
Start at: 2017-09-22 05:25:59
End at: 2017-09-22 05:26:29
Local clock offset: -0.959 ms
Remote clock offset: -4.115 ms

# Below is generated by plot.py at 2017-09-22 06:41:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 15.053 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 16.481 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 10.873 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 10.155 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link

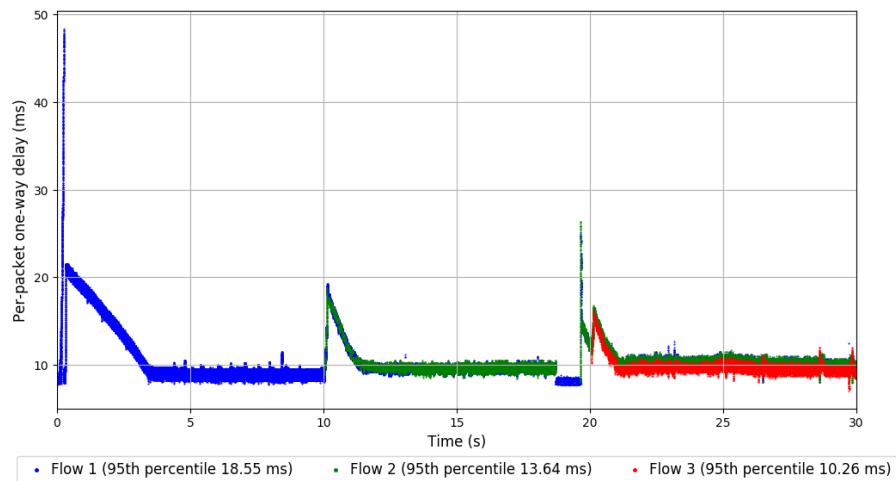
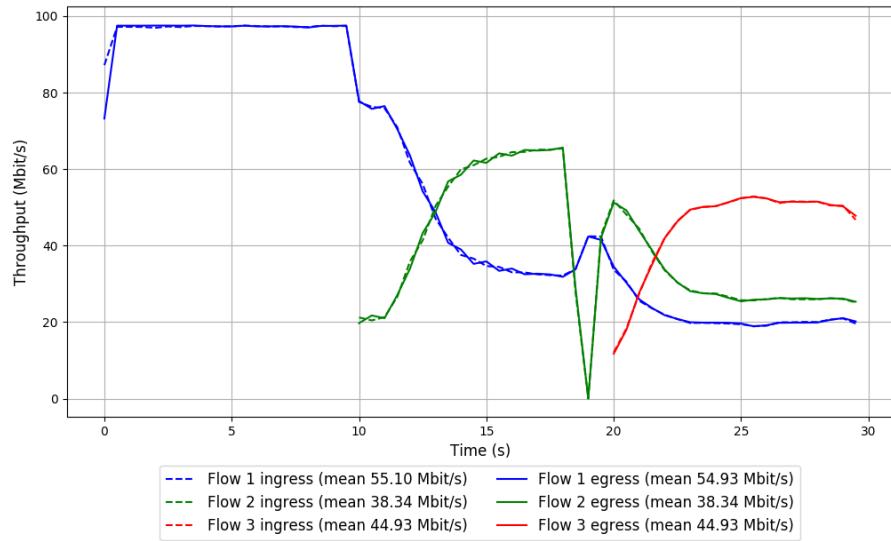


Run 9: Statistics of TCP Vegas

```
Start at: 2017-09-22 05:43:01
End at: 2017-09-22 05:43:31
Local clock offset: -1.027 ms
Remote clock offset: -3.764 ms

# Below is generated by plot.py at 2017-09-22 06:41:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 16.855 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 18.555 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 13.645 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 10.260 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

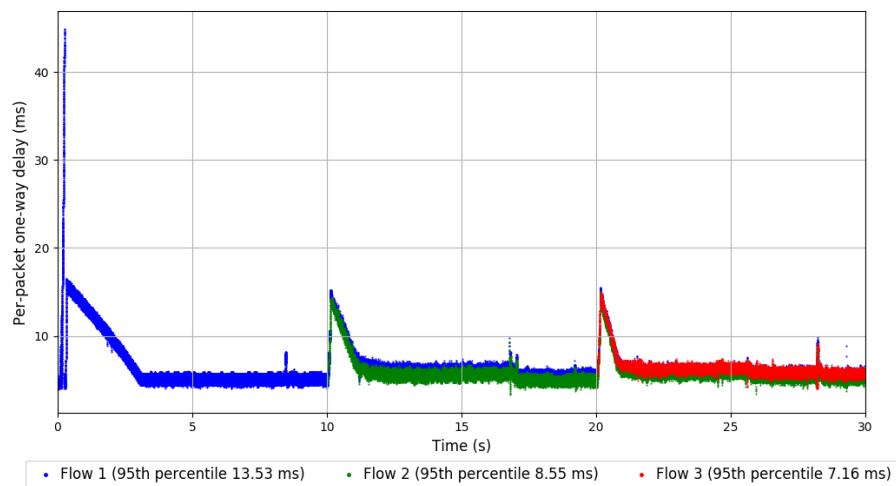
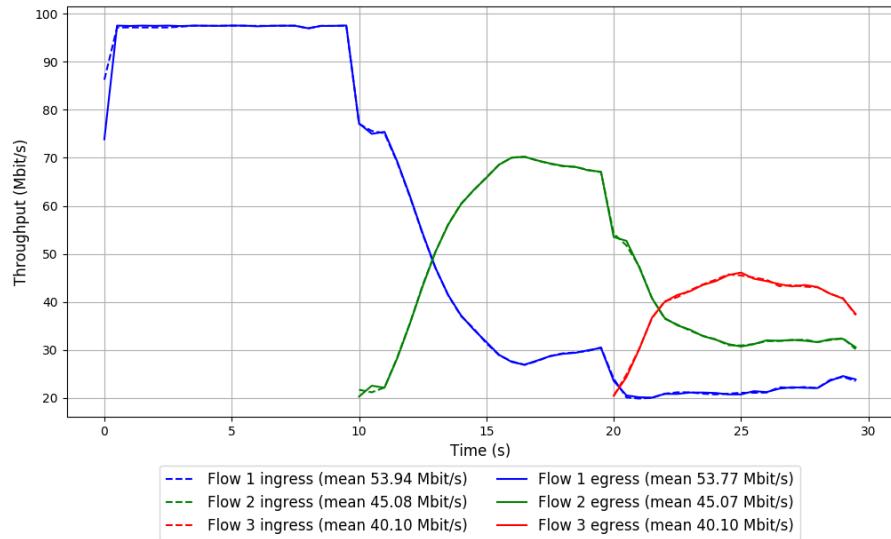


Run 10: Statistics of TCP Vegas

```
Start at: 2017-09-22 05:59:50
End at: 2017-09-22 06:00:20
Local clock offset: 0.991 ms
Remote clock offset: -5.19 ms

# Below is generated by plot.py at 2017-09-22 06:41:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 12.338 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 13.533 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 8.553 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 7.161 ms
Loss rate: 0.02%
```

Run 10: Report of TCP Vegas — Data Link

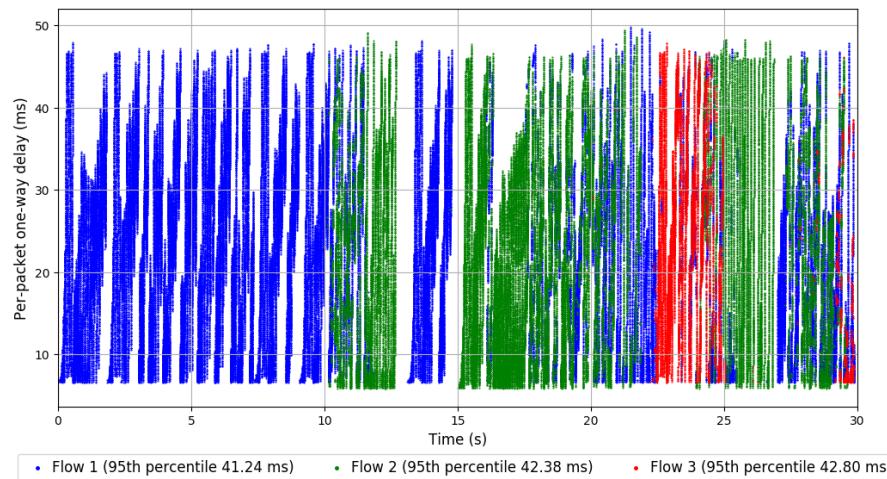
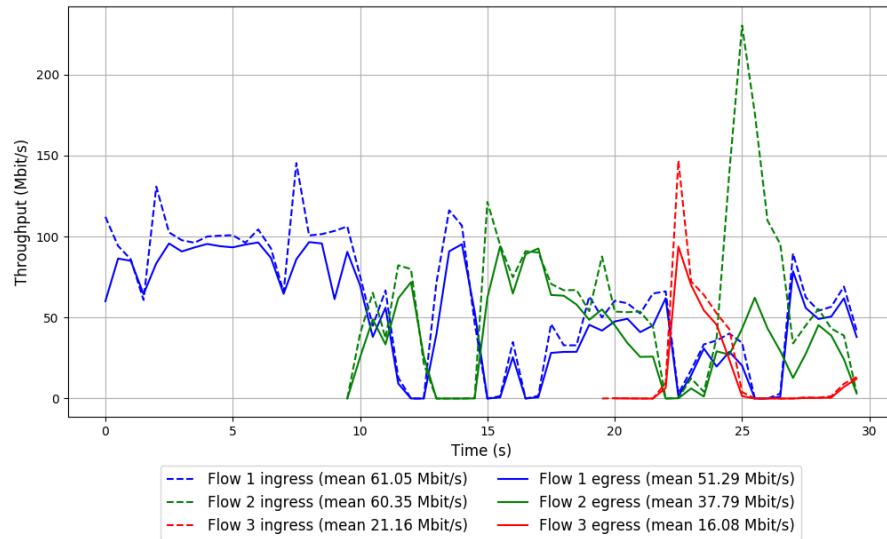


Run 1: Statistics of Verus

```
Start at: 2017-09-22 02:48:20
End at: 2017-09-22 02:48:50
Local clock offset: 1.178 ms
Remote clock offset: -2.818 ms

# Below is generated by plot.py at 2017-09-22 06:41:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.43 Mbit/s
95th percentile per-packet one-way delay: 41.778 ms
Loss rate: 24.46%
-- Flow 1:
Average throughput: 51.29 Mbit/s
95th percentile per-packet one-way delay: 41.245 ms
Loss rate: 15.98%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 42.376 ms
Loss rate: 37.52%
-- Flow 3:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 42.805 ms
Loss rate: 24.23%
```

Run 1: Report of Verus — Data Link

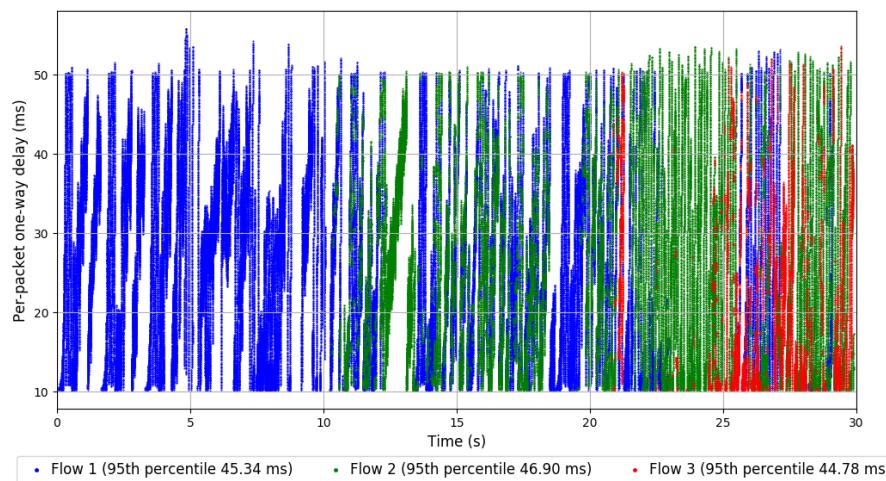
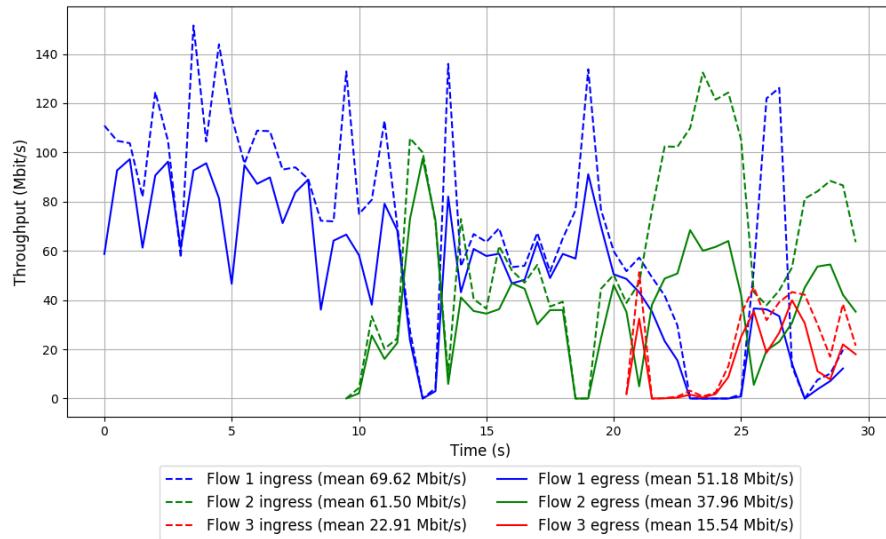


Run 2: Statistics of Verus

```
Start at: 2017-09-22 03:23:42
End at: 2017-09-22 03:24:12
Local clock offset: -1.909 ms
Remote clock offset: -1.924 ms

# Below is generated by plot.py at 2017-09-22 06:41:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 45.886 ms
Loss rate: 31.04%
-- Flow 1:
Average throughput: 51.18 Mbit/s
95th percentile per-packet one-way delay: 45.336 ms
Loss rate: 26.52%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 46.897 ms
Loss rate: 38.33%
-- Flow 3:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: 44.784 ms
Loss rate: 32.18%
```

Run 2: Report of Verus — Data Link

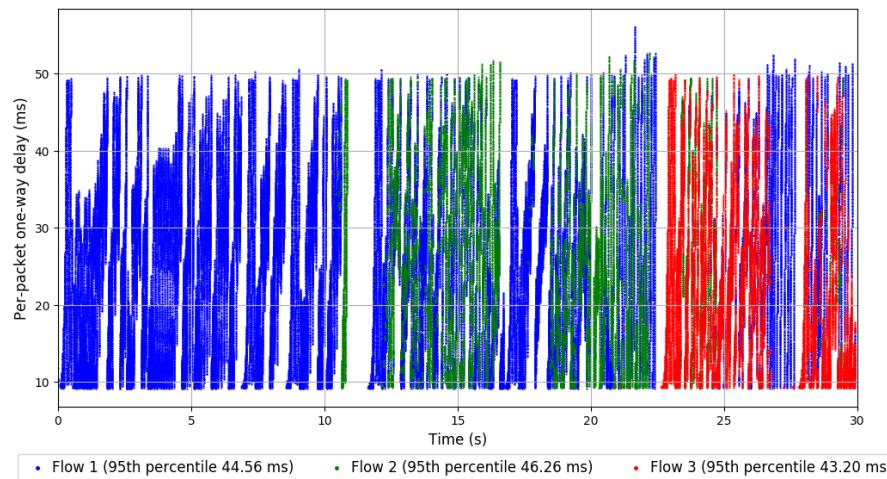
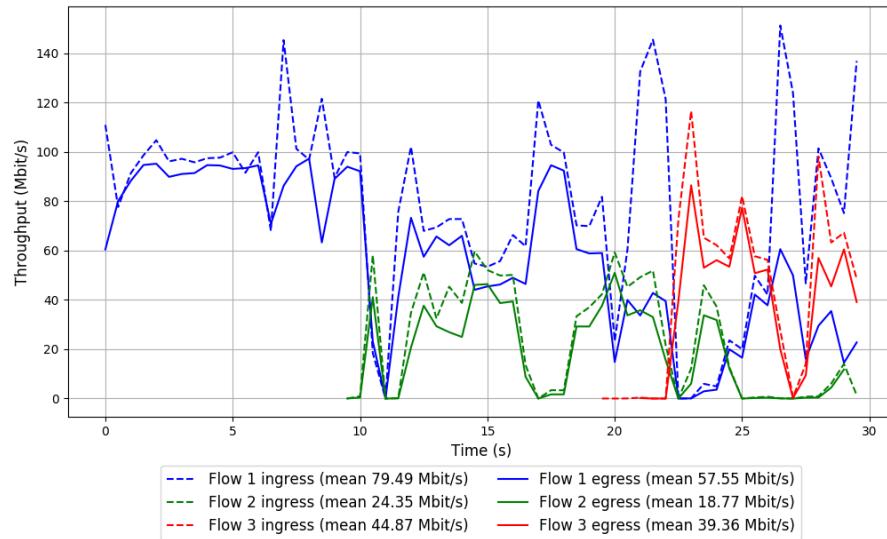


Run 3: Statistics of Verus

```
Start at: 2017-09-22 03:49:28
End at: 2017-09-22 03:49:58
Local clock offset: -2.457 ms
Remote clock offset: -2.45 ms

# Below is generated by plot.py at 2017-09-22 06:41:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 44.699 ms
Loss rate: 26.26%
-- Flow 1:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 44.559 ms
Loss rate: 27.59%
-- Flow 2:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 46.256 ms
Loss rate: 24.40%
-- Flow 3:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 43.202 ms
Loss rate: 21.17%
```

Run 3: Report of Verus — Data Link

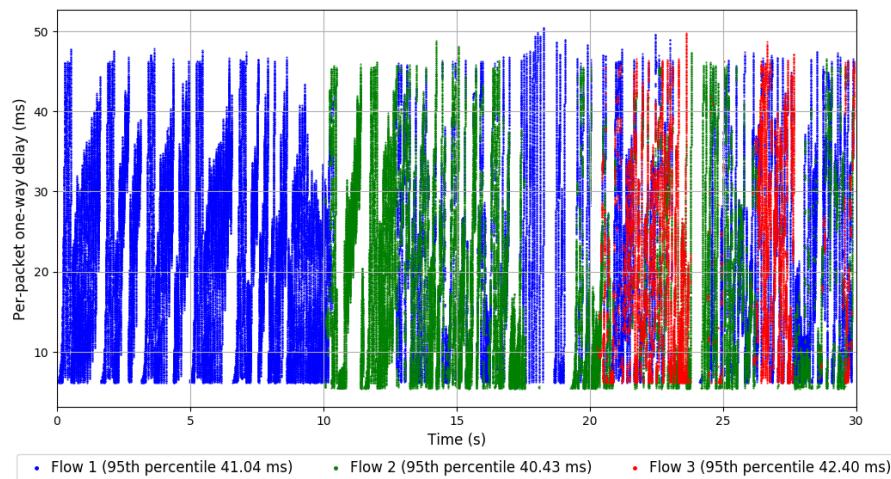
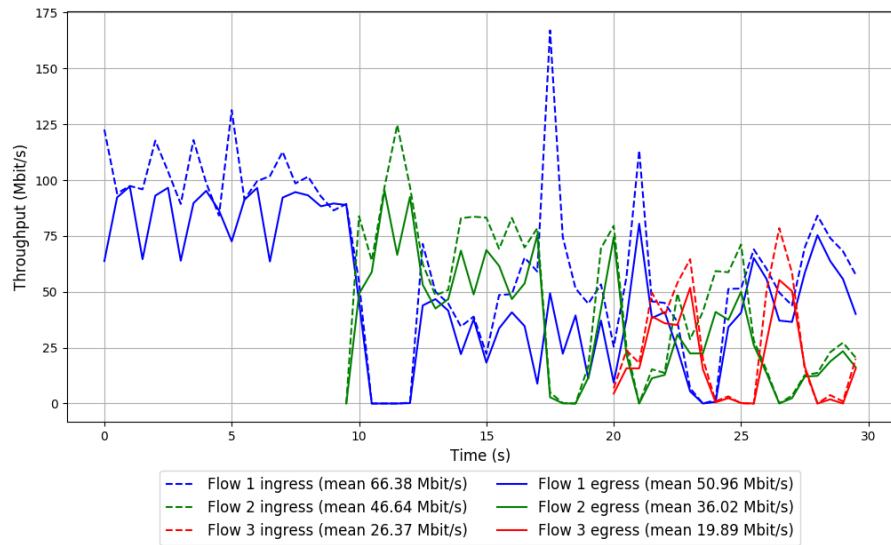


Run 4: Statistics of Verus

```
Start at: 2017-09-22 04:07:13
End at: 2017-09-22 04:07:43
Local clock offset: 1.349 ms
Remote clock offset: -2.12 ms

# Below is generated by plot.py at 2017-09-22 06:42:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 40.956 ms
Loss rate: 23.16%
-- Flow 1:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 41.036 ms
Loss rate: 23.19%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 40.432 ms
Loss rate: 22.72%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 42.403 ms
Loss rate: 24.50%
```

Run 4: Report of Verus — Data Link

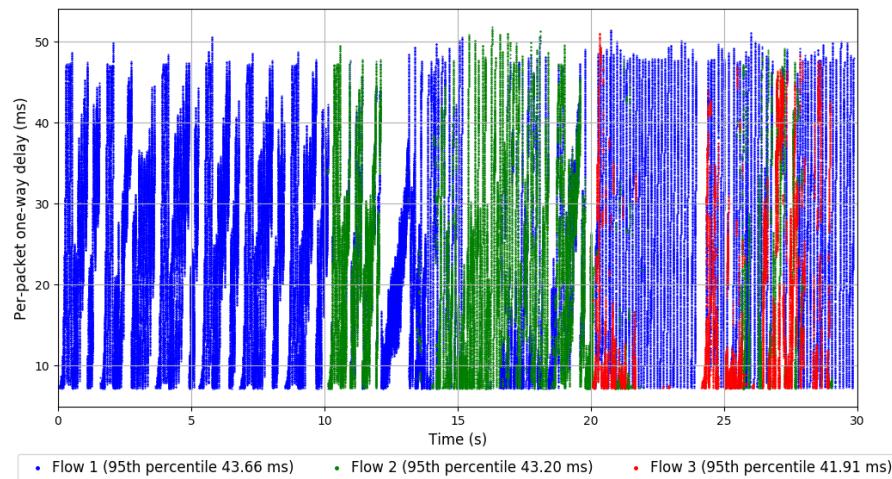
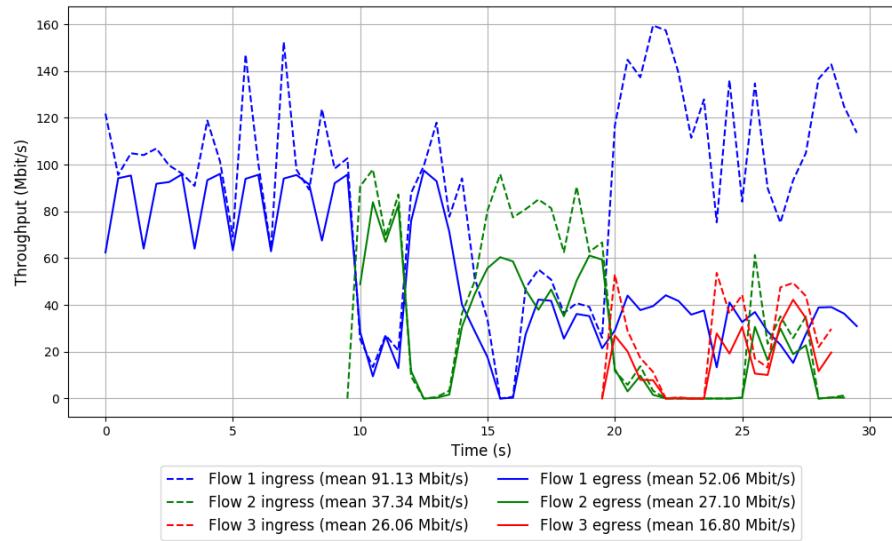


Run 5: Statistics of Verus

```
Start at: 2017-09-22 04:26:12
End at: 2017-09-22 04:26:42
Local clock offset: 0.327 ms
Remote clock offset: -1.961 ms

# Below is generated by plot.py at 2017-09-22 06:42:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 43.449 ms
Loss rate: 39.61%
-- Flow 1:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 43.662 ms
Loss rate: 42.83%
-- Flow 2:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 43.197 ms
Loss rate: 28.78%
-- Flow 3:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 41.915 ms
Loss rate: 35.64%
```

Run 5: Report of Verus — Data Link

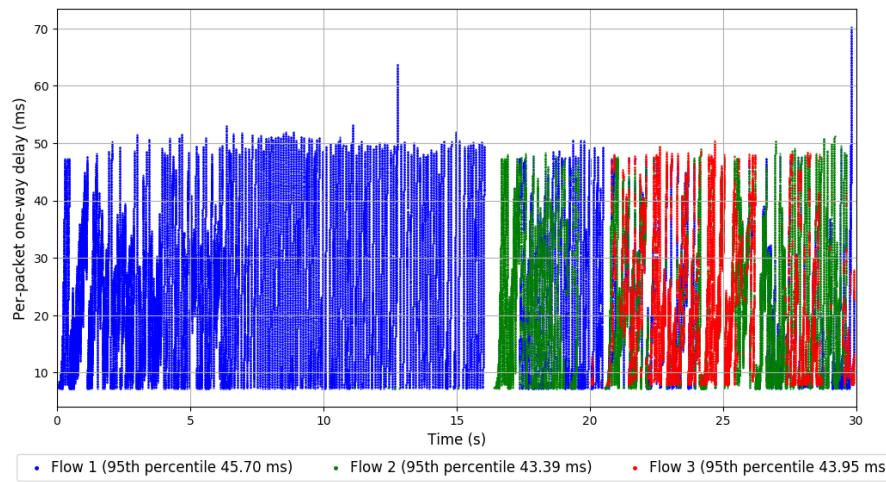
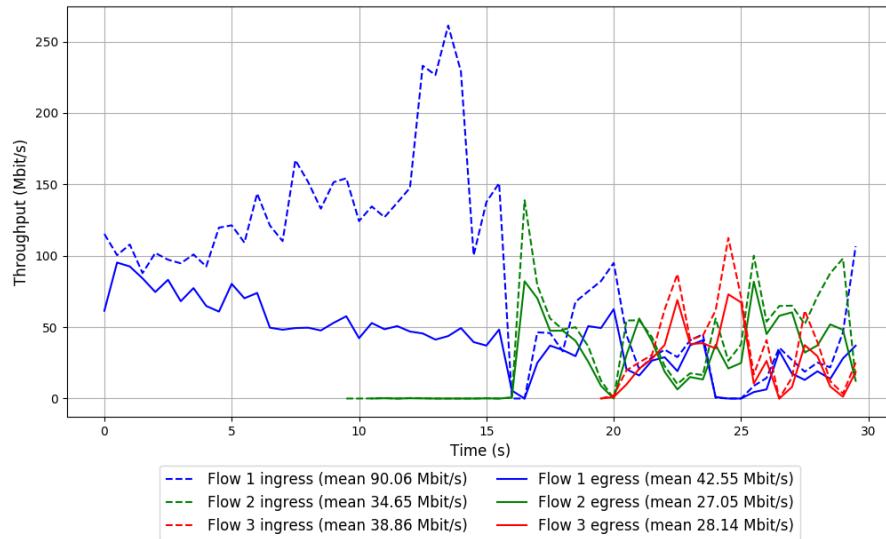


Run 6: Statistics of Verus

```
Start at: 2017-09-22 04:43:56
End at: 2017-09-22 04:44:26
Local clock offset: -1.739 ms
Remote clock offset: -3.604 ms

# Below is generated by plot.py at 2017-09-22 06:42:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 44.936 ms
Loss rate: 45.28%
-- Flow 1:
Average throughput: 42.55 Mbit/s
95th percentile per-packet one-way delay: 45.697 ms
Loss rate: 52.73%
-- Flow 2:
Average throughput: 27.05 Mbit/s
95th percentile per-packet one-way delay: 43.392 ms
Loss rate: 25.97%
-- Flow 3:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 43.945 ms
Loss rate: 27.66%
```

Run 6: Report of Verus — Data Link

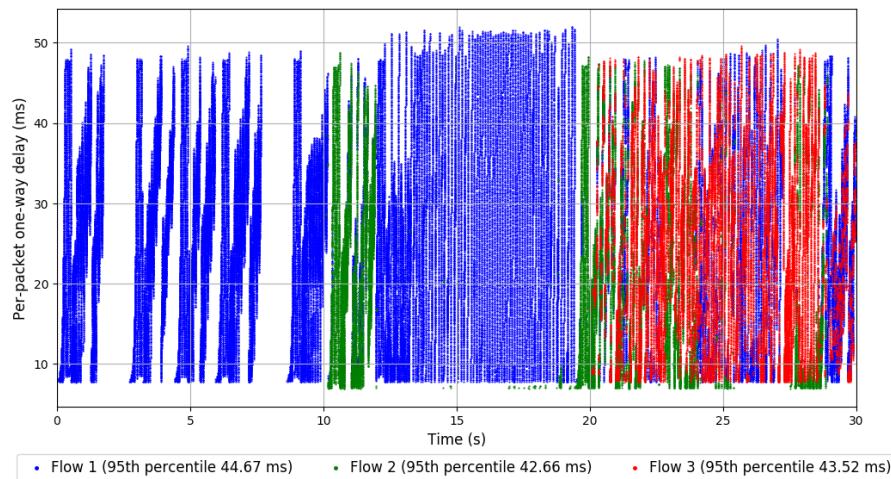
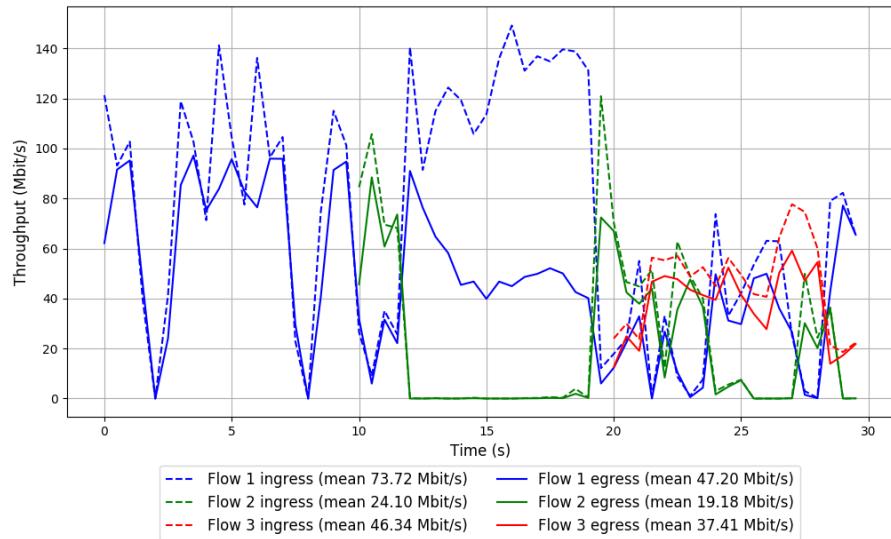


Run 7: Statistics of Verus

```
Start at: 2017-09-22 05:00:52
End at: 2017-09-22 05:01:22
Local clock offset: -1.233 ms
Remote clock offset: -3.86 ms

# Below is generated by plot.py at 2017-09-22 06:42:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 44.104 ms
Loss rate: 31.12%
-- Flow 1:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 44.674 ms
Loss rate: 35.93%
-- Flow 2:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 42.655 ms
Loss rate: 20.46%
-- Flow 3:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 43.524 ms
Loss rate: 19.12%
```

Run 7: Report of Verus — Data Link

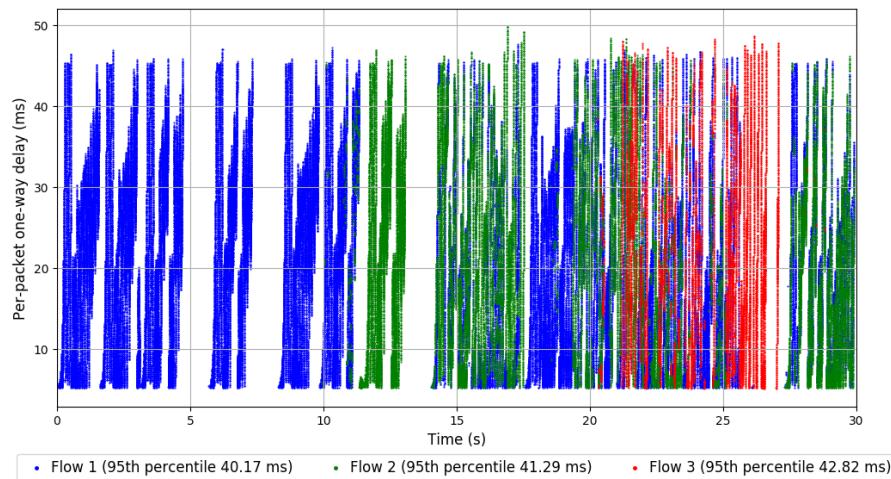
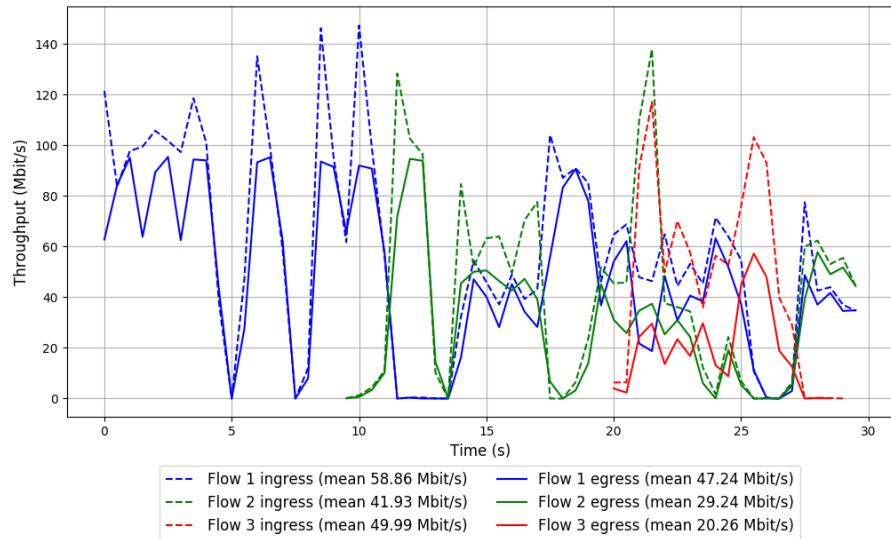


Run 8: Statistics of Verus

```
Start at: 2017-09-22 05:17:37
End at: 2017-09-22 05:18:07
Local clock offset: 1.526 ms
Remote clock offset: -3.71 ms

# Below is generated by plot.py at 2017-09-22 06:42:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 40.743 ms
Loss rate: 28.55%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 40.167 ms
Loss rate: 19.67%
-- Flow 2:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 41.293 ms
Loss rate: 30.19%
-- Flow 3:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 42.822 ms
Loss rate: 60.73%
```

Run 8: Report of Verus — Data Link

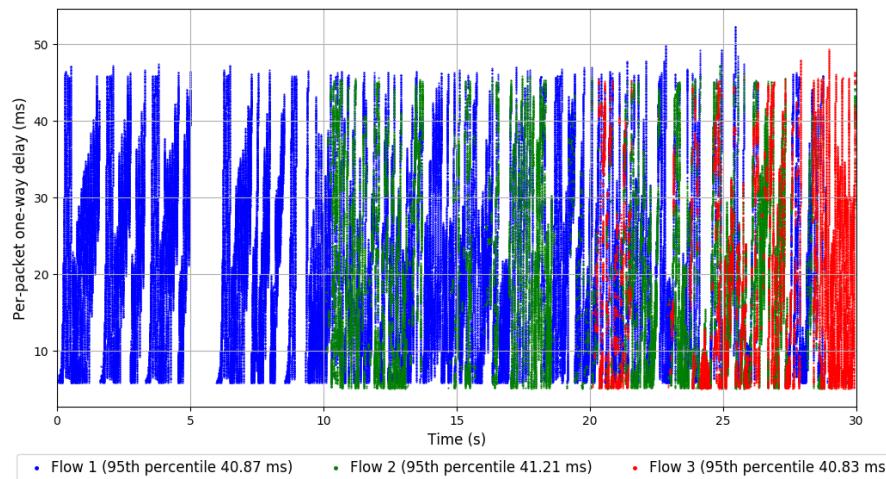
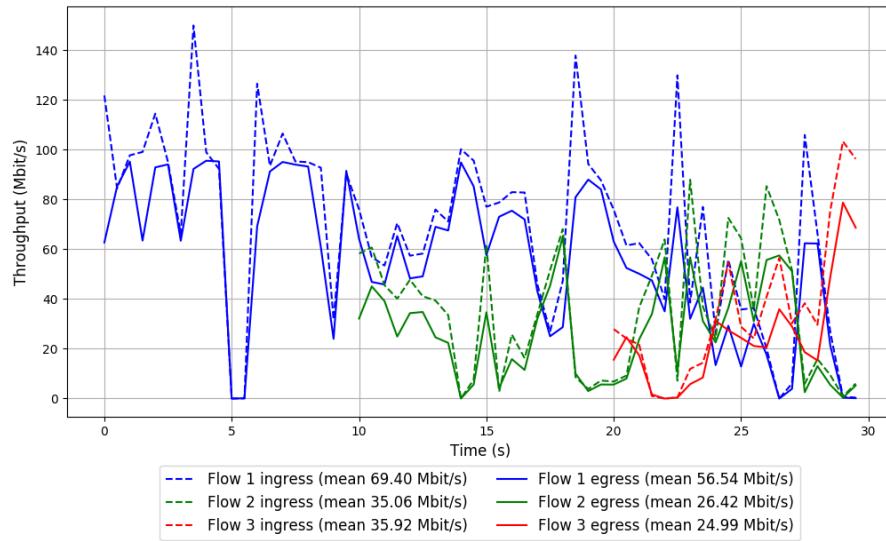


Run 9: Statistics of Verus

```
Start at: 2017-09-22 05:34:32
End at: 2017-09-22 05:35:02
Local clock offset: 0.641 ms
Remote clock offset: -4.124 ms

# Below is generated by plot.py at 2017-09-22 06:42:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 40.958 ms
Loss rate: 21.29%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 40.865 ms
Loss rate: 18.60%
-- Flow 2:
Average throughput: 26.42 Mbit/s
95th percentile per-packet one-way delay: 41.209 ms
Loss rate: 24.52%
-- Flow 3:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 40.825 ms
Loss rate: 30.67%
```

Run 9: Report of Verus — Data Link

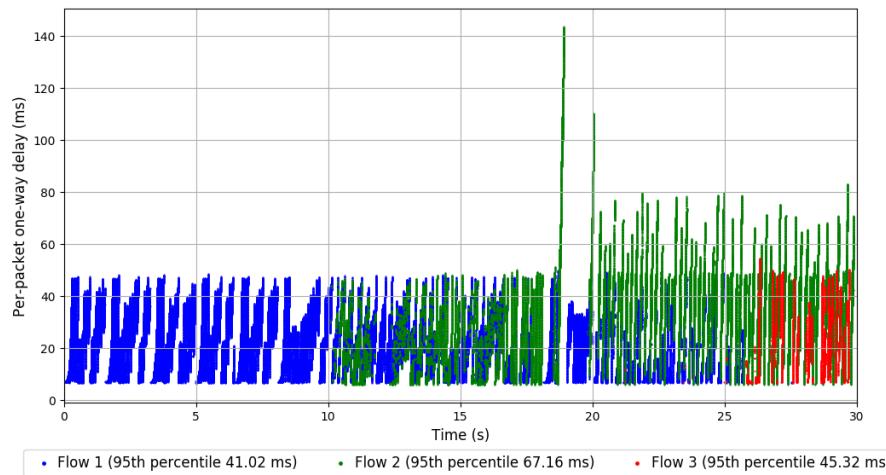
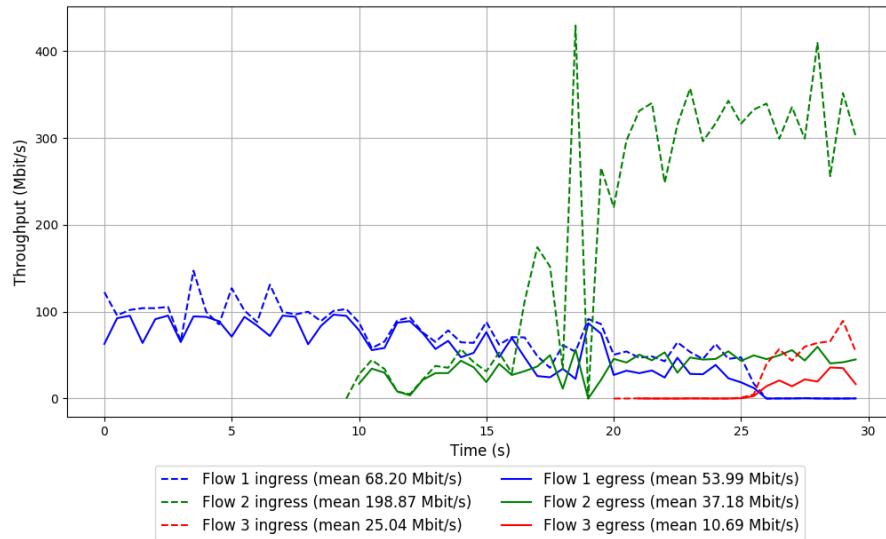


Run 10: Statistics of Verus

```
Start at: 2017-09-22 05:51:27
End at: 2017-09-22 05:51:57
Local clock offset: -0.651 ms
Remote clock offset: -4.273 ms

# Below is generated by plot.py at 2017-09-22 06:43:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 50.517 ms
Loss rate: 60.84%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 41.025 ms
Loss rate: 20.90%
-- Flow 2:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 67.162 ms
Loss rate: 81.30%
-- Flow 3:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 45.320 ms
Loss rate: 62.14%
```

Run 10: Report of Verus — Data Link

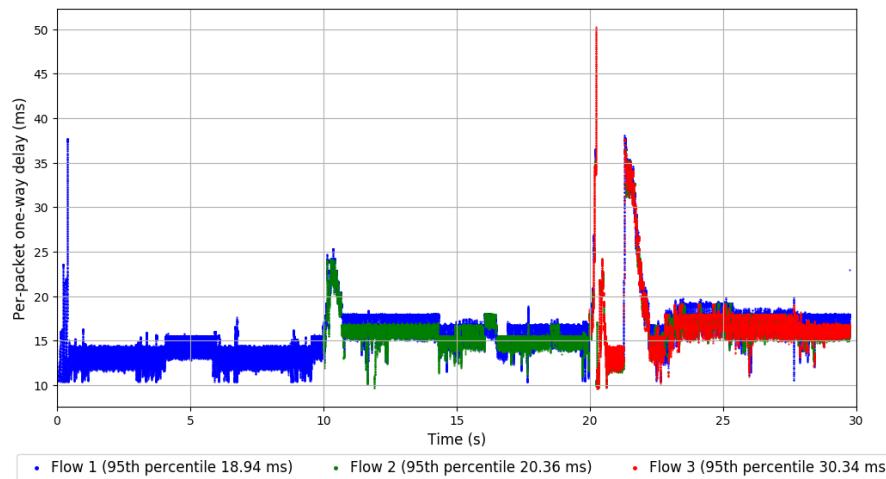
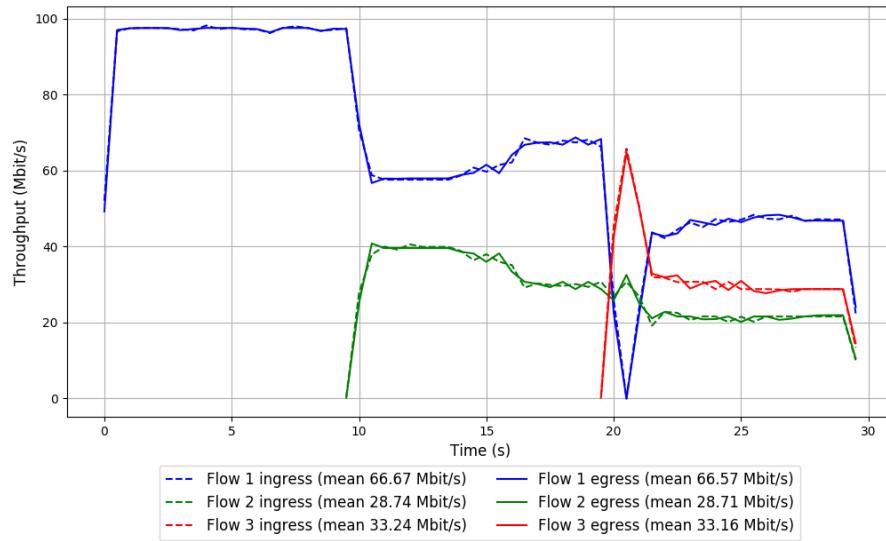


Run 1: Statistics of Indigo

```
Start at: 2017-09-22 02:45:51
End at: 2017-09-22 02:46:21
Local clock offset: -1.578 ms
Remote clock offset: -1.848 ms

# Below is generated by plot.py at 2017-09-22 06:43:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 19.654 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 18.939 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 20.362 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 30.343 ms
Loss rate: 0.26%
```

Run 1: Report of Indigo — Data Link

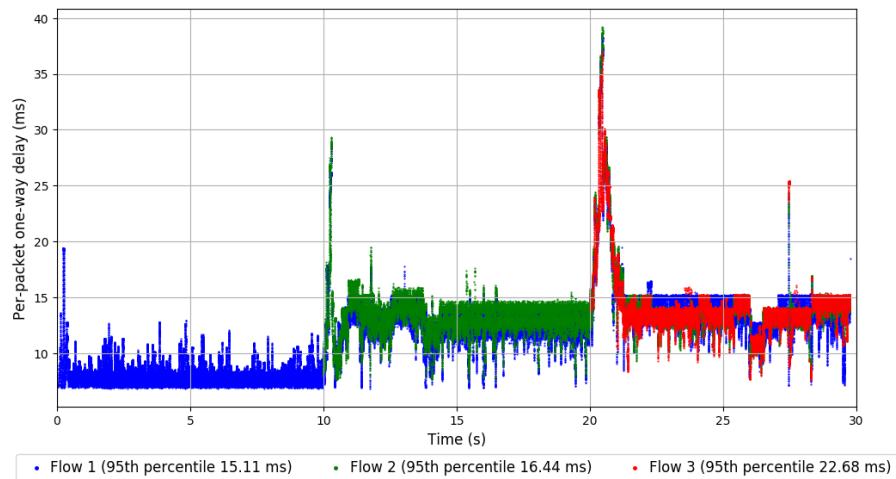
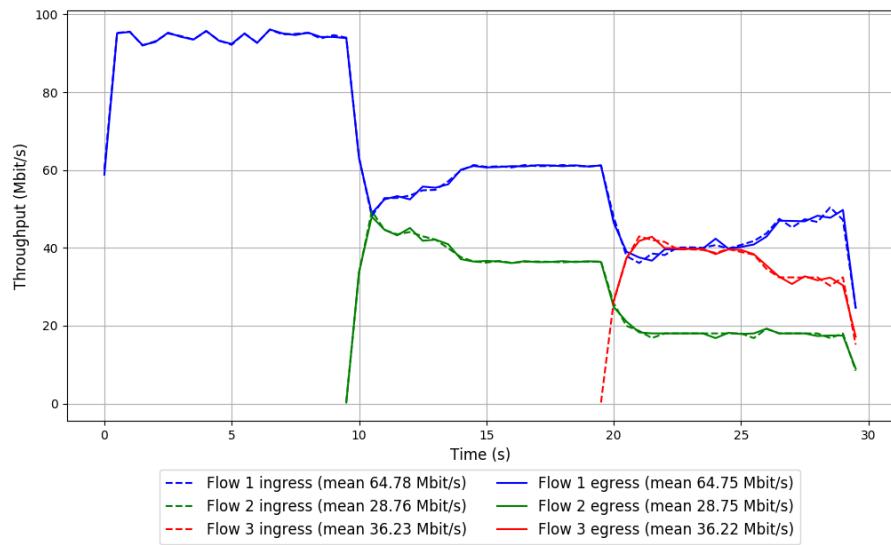


Run 2: Statistics of Indigo

```
Start at: 2017-09-22 03:19:26
End at: 2017-09-22 03:19:57
Local clock offset: 0.005 ms
Remote clock offset: -2.594 ms

# Below is generated by plot.py at 2017-09-22 06:43:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 15.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.75 Mbit/s
95th percentile per-packet one-way delay: 15.106 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 16.439 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 22.677 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

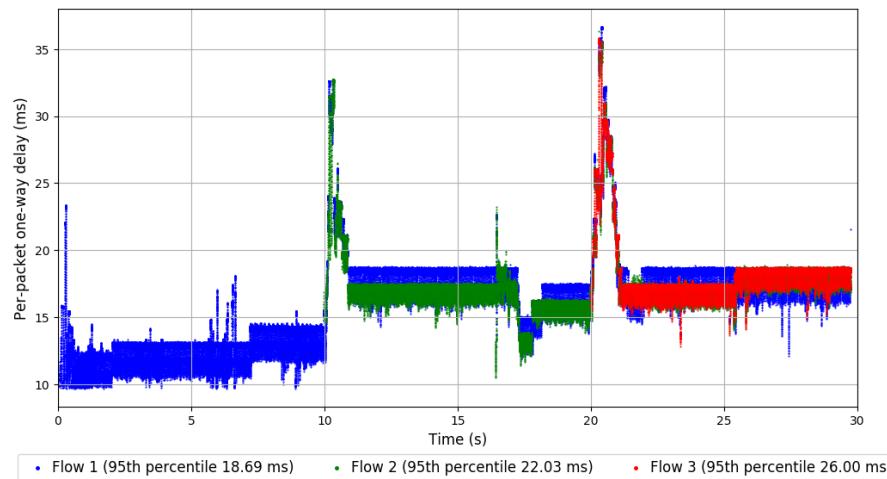
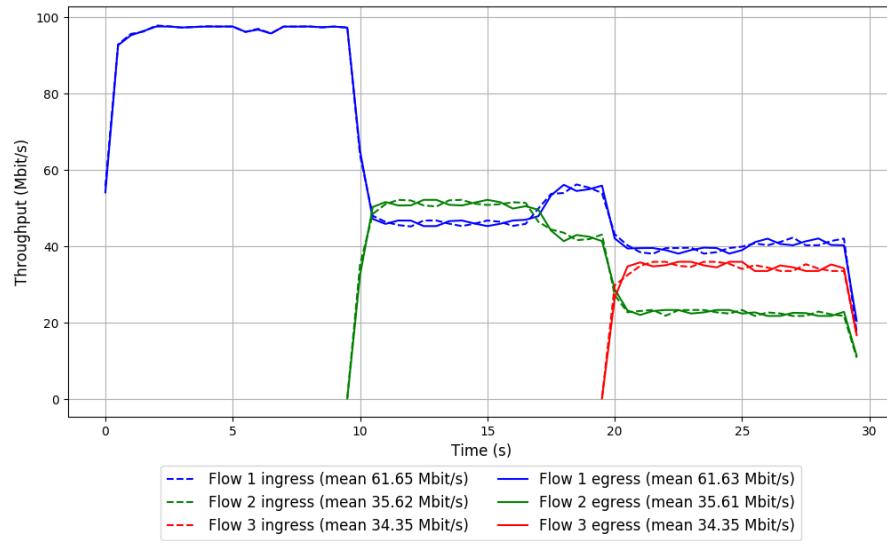


Run 3: Statistics of Indigo

```
Start at: 2017-09-22 03:47:01
End at: 2017-09-22 03:47:31
Local clock offset: -1.807 ms
Remote clock offset: -1.445 ms

# Below is generated by plot.py at 2017-09-22 06:44:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 20.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.63 Mbit/s
95th percentile per-packet one-way delay: 18.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 22.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 26.003 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

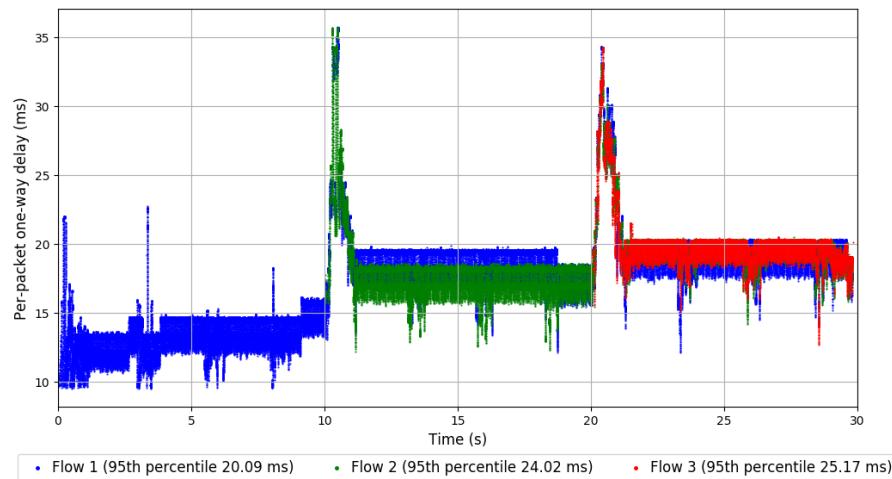
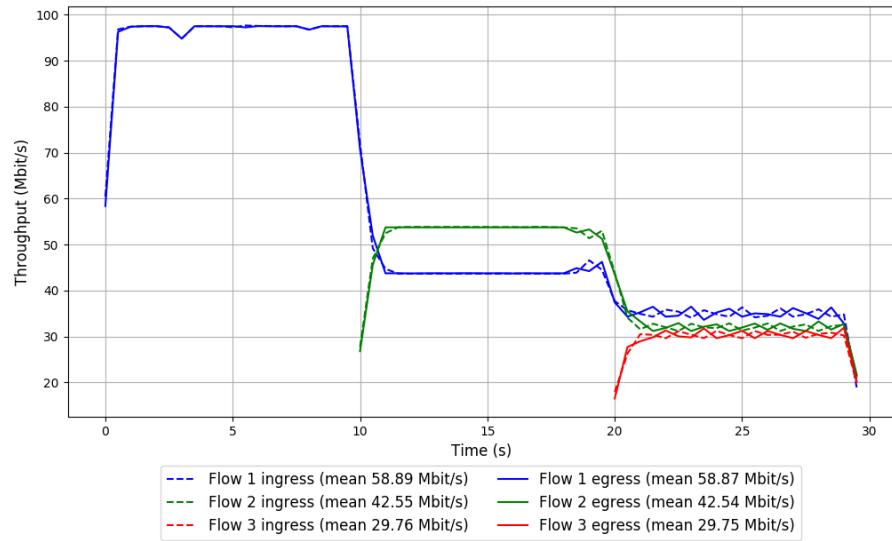


Run 4: Statistics of Indigo

```
Start at: 2017-09-22 04:04:39
End at: 2017-09-22 04:05:09
Local clock offset: -1.881 ms
Remote clock offset: -1.971 ms

# Below is generated by plot.py at 2017-09-22 06:44:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 21.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 24.022 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 25.168 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo — Data Link

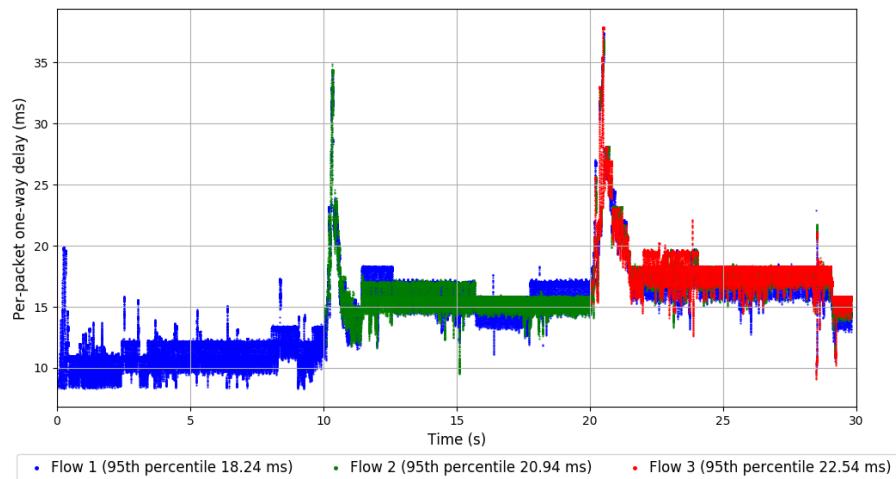
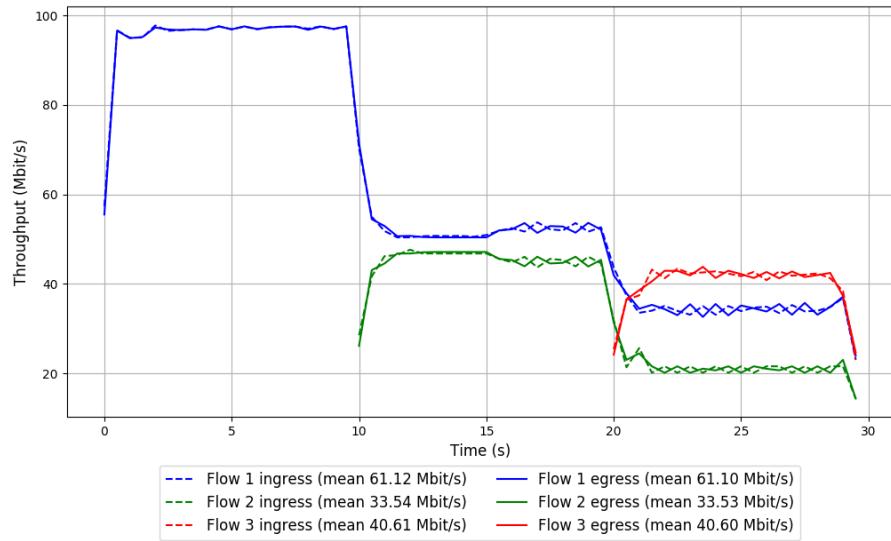


Run 5: Statistics of Indigo

```
Start at: 2017-09-22 04:23:42
End at: 2017-09-22 04:24:12
Local clock offset: -1.721 ms
Remote clock offset: -2.193 ms

# Below is generated by plot.py at 2017-09-22 06:44:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 19.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.10 Mbit/s
95th percentile per-packet one-way delay: 18.236 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 20.942 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 22.543 ms
Loss rate: 0.03%
```

Run 5: Report of Indigo — Data Link

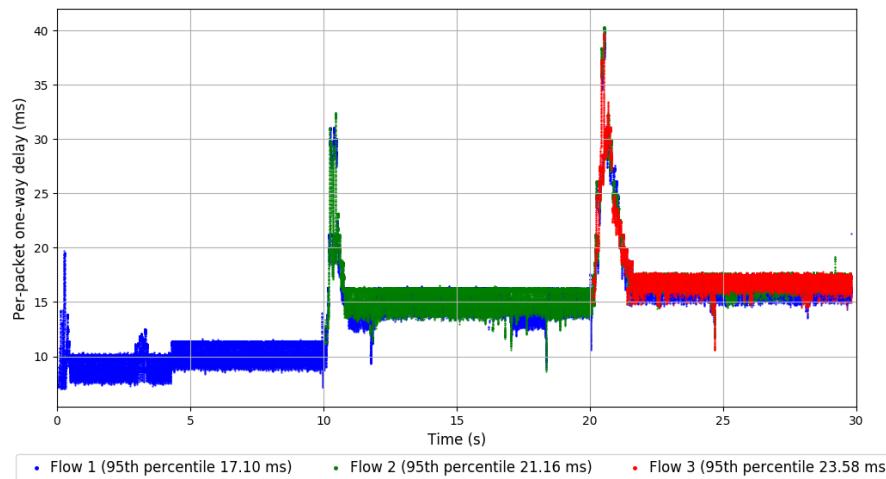
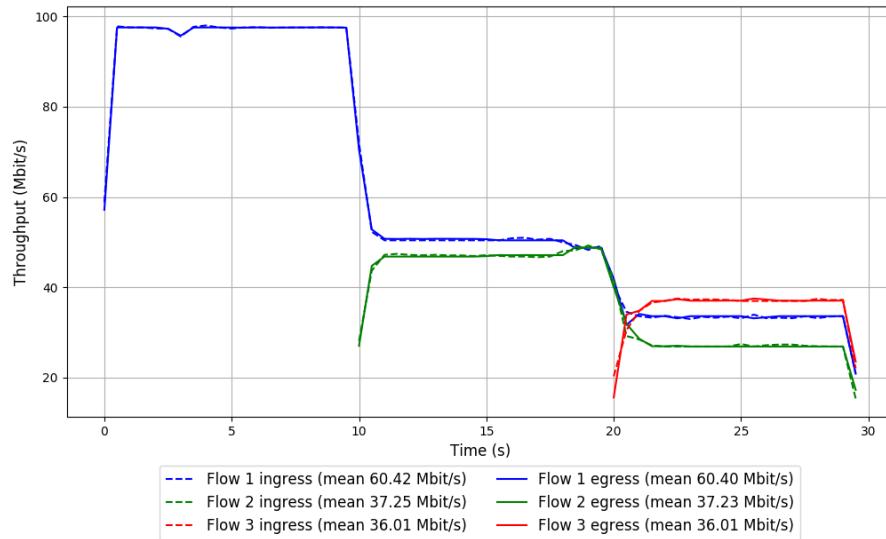


Run 6: Statistics of Indigo

```
Start at: 2017-09-22 04:41:35
End at: 2017-09-22 04:42:05
Local clock offset: -1.181 ms
Remote clock offset: -3.961 ms

# Below is generated by plot.py at 2017-09-22 06:44:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 17.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 21.156 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 23.577 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

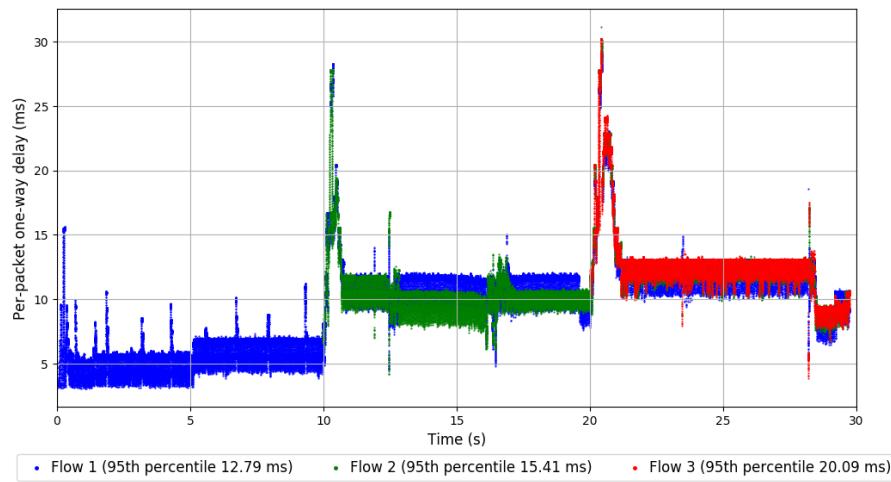
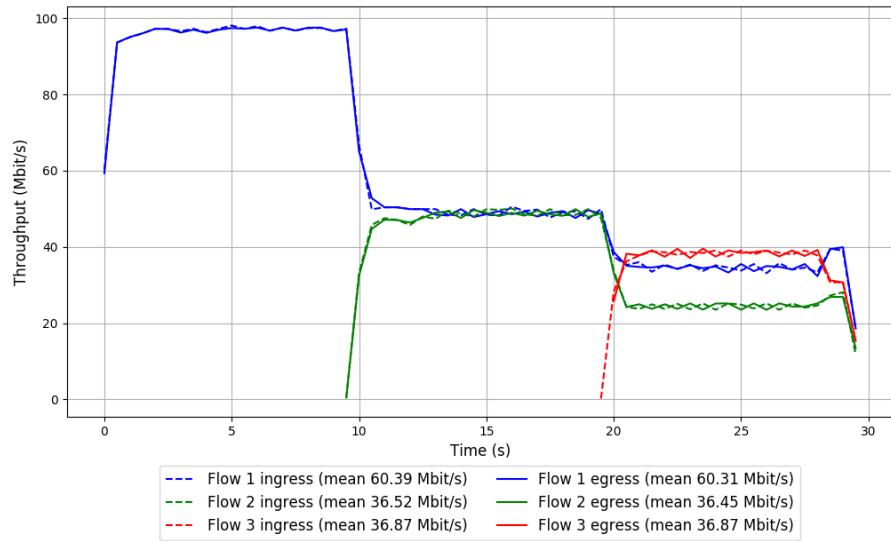


Run 7: Statistics of Indigo

```
Start at: 2017-09-22 04:58:29
End at: 2017-09-22 04:58:59
Local clock offset: 1.874 ms
Remote clock offset: -4.698 ms

# Below is generated by plot.py at 2017-09-22 06:44:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 13.605 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 12.792 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 15.410 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 20.093 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

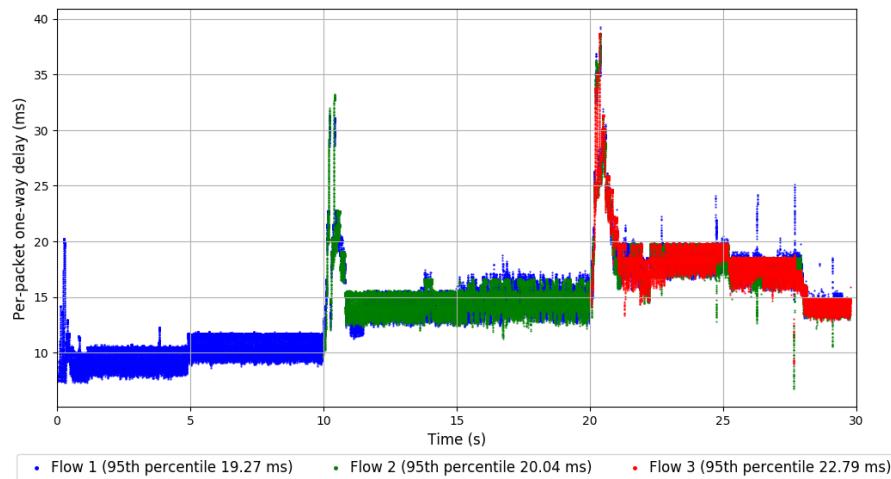
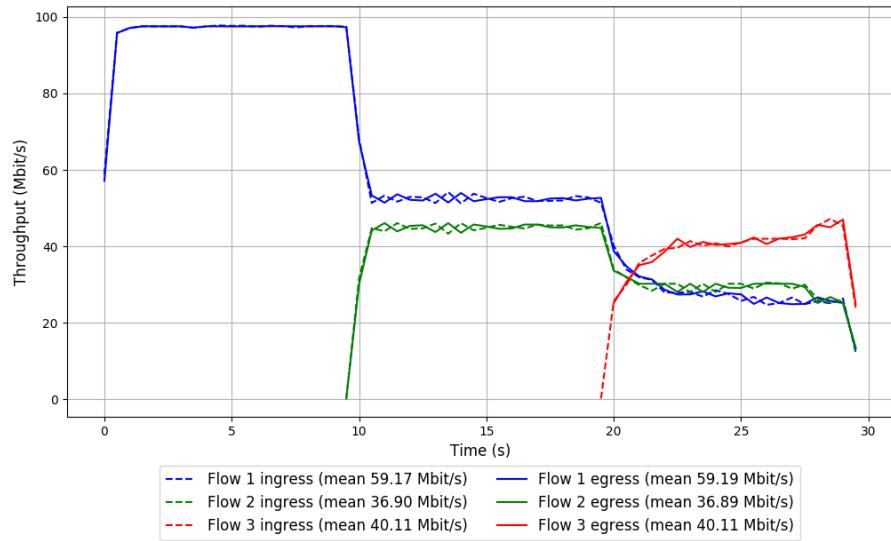


Run 8: Statistics of Indigo

```
Start at: 2017-09-22 05:15:18
End at: 2017-09-22 05:15:48
Local clock offset: -1.276 ms
Remote clock offset: -4.391 ms

# Below is generated by plot.py at 2017-09-22 06:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 19.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 19.273 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 20.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 22.793 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

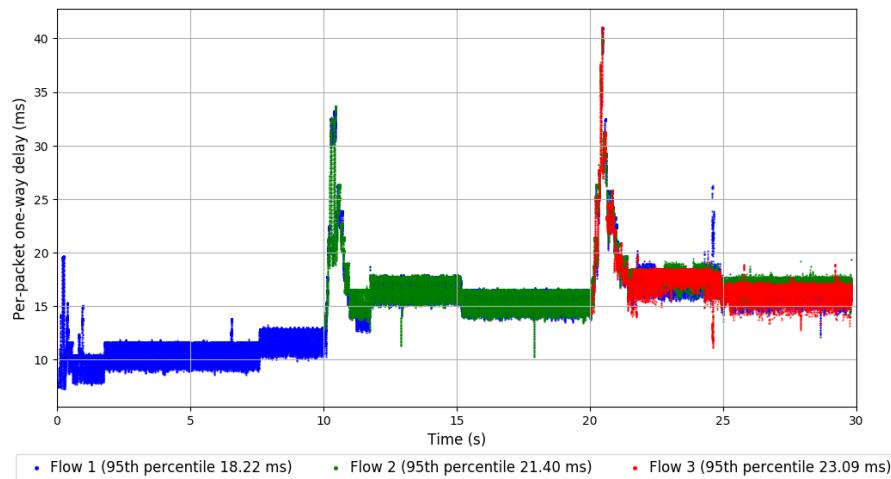
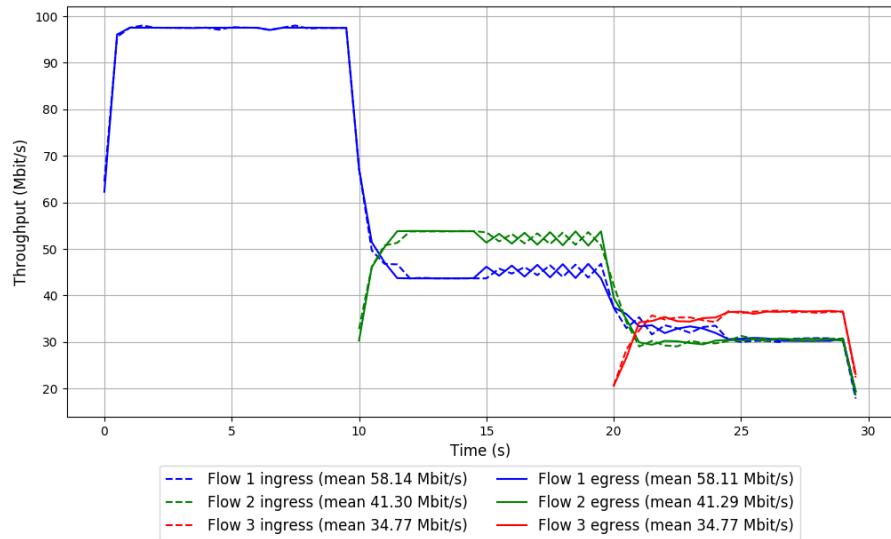


Run 9: Statistics of Indigo

```
Start at: 2017-09-22 05:32:12
End at: 2017-09-22 05:32:42
Local clock offset: -0.461 ms
Remote clock offset: -3.806 ms

# Below is generated by plot.py at 2017-09-22 06:44:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 19.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 18.220 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 21.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 23.088 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

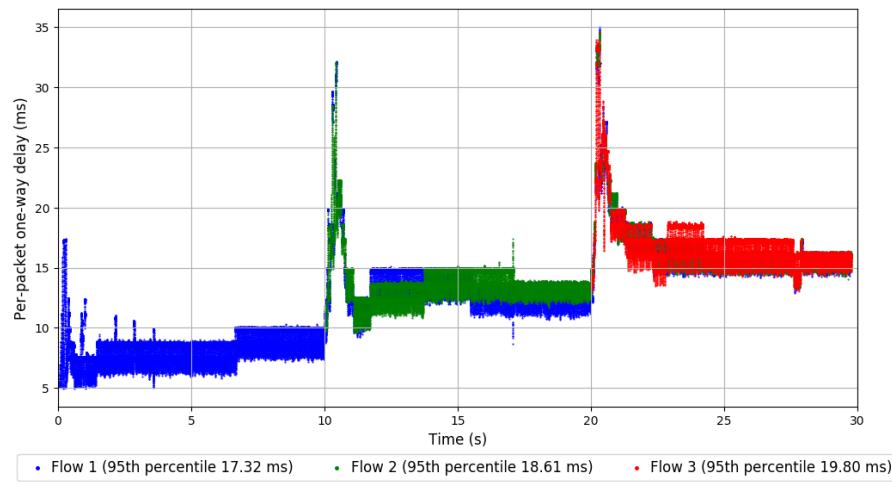
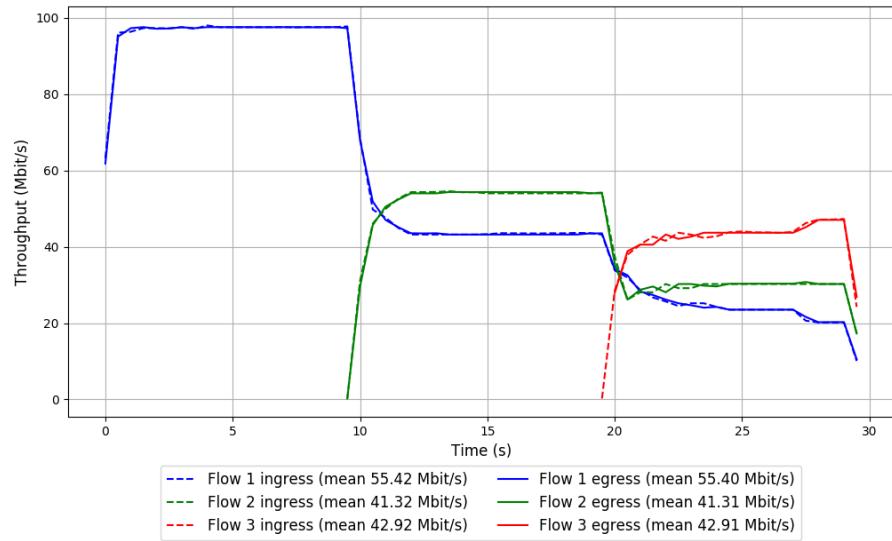


Run 10: Statistics of Indigo

```
Start at: 2017-09-22 05:49:07
End at: 2017-09-22 05:49:37
Local clock offset: 1.602 ms
Remote clock offset: -3.057 ms

# Below is generated by plot.py at 2017-09-22 06:44:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 18.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 17.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 18.611 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 19.804 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

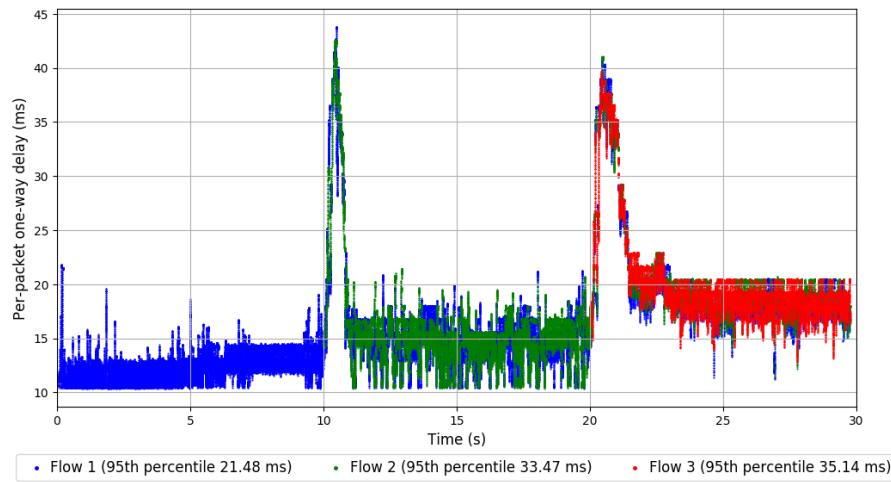
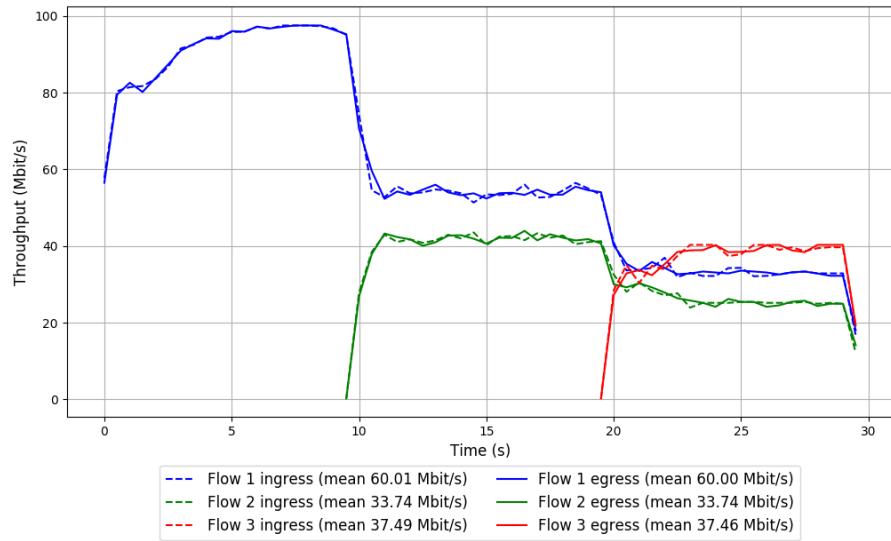


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-22 02:49:44
End at: 2017-09-22 02:50:14
Local clock offset: -1.605 ms
Remote clock offset: -1.859 ms

# Below is generated by plot.py at 2017-09-22 06:45:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 27.674 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 21.485 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 33.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 35.137 ms
Loss rate: 0.07%
```

Run 1: Report of Indigo-calib — Data Link

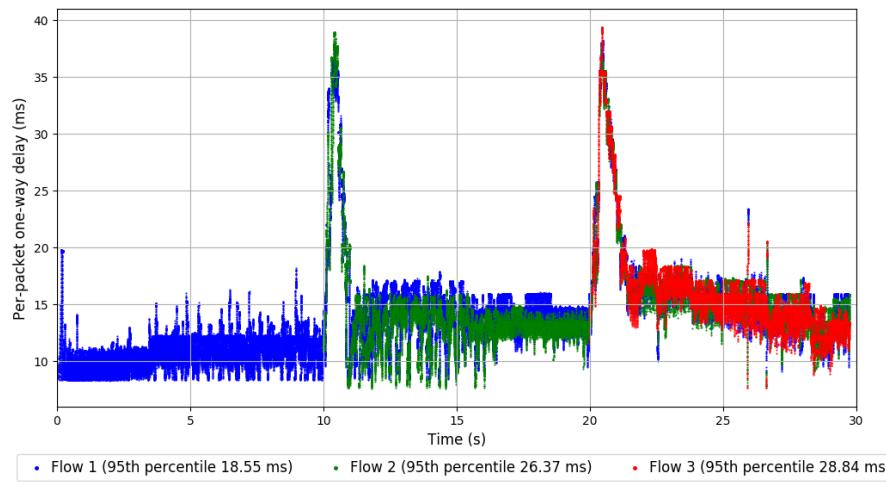
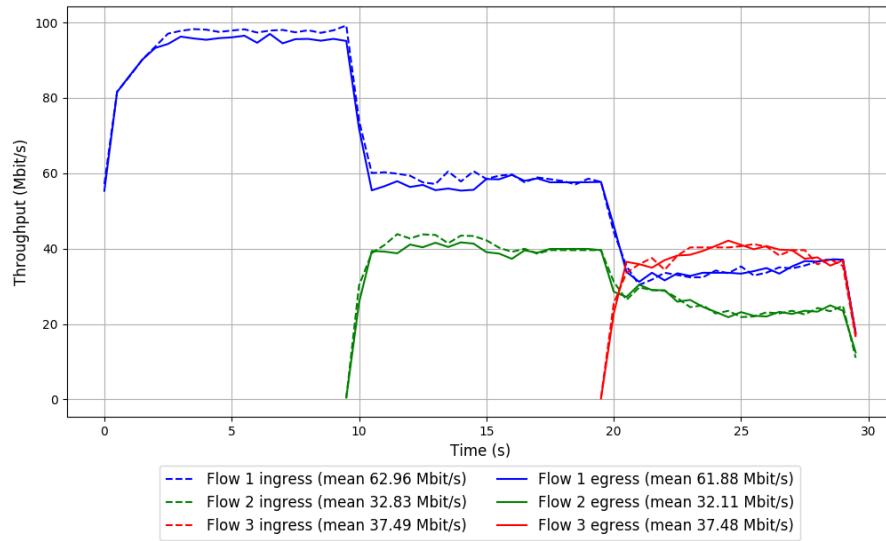


Run 2: Statistics of Indigo-calib

```
Start at: 2017-09-22 03:27:39
End at: 2017-09-22 03:28:09
Local clock offset: -0.661 ms
Remote clock offset: -2.448 ms

# Below is generated by plot.py at 2017-09-22 06:45:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 21.944 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 18.547 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 26.371 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 28.838 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-calib — Data Link

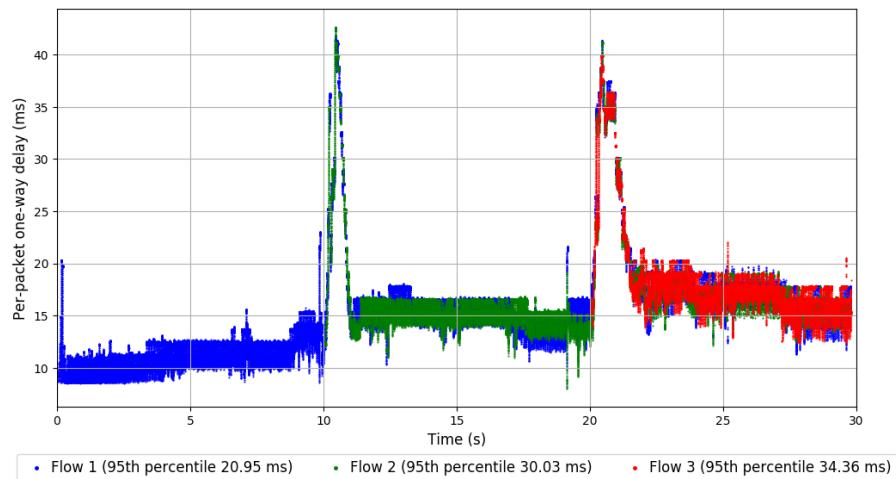
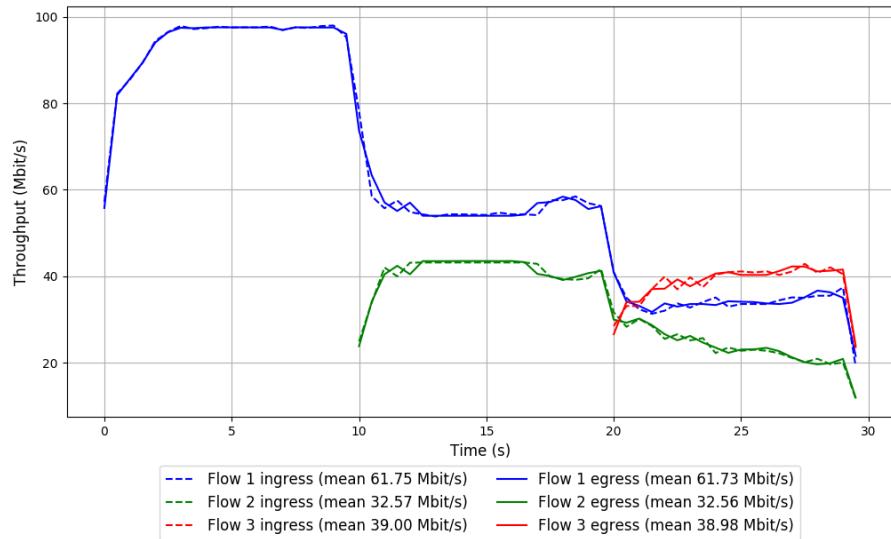


Run 3: Statistics of Indigo-calib

```
Start at: 2017-09-22 03:50:44
End at: 2017-09-22 03:51:14
Local clock offset: -0.181 ms
Remote clock offset: -1.584 ms

# Below is generated by plot.py at 2017-09-22 06:45:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 26.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 20.953 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 30.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 34.360 ms
Loss rate: 0.03%
```

Run 3: Report of Indigo-calib — Data Link

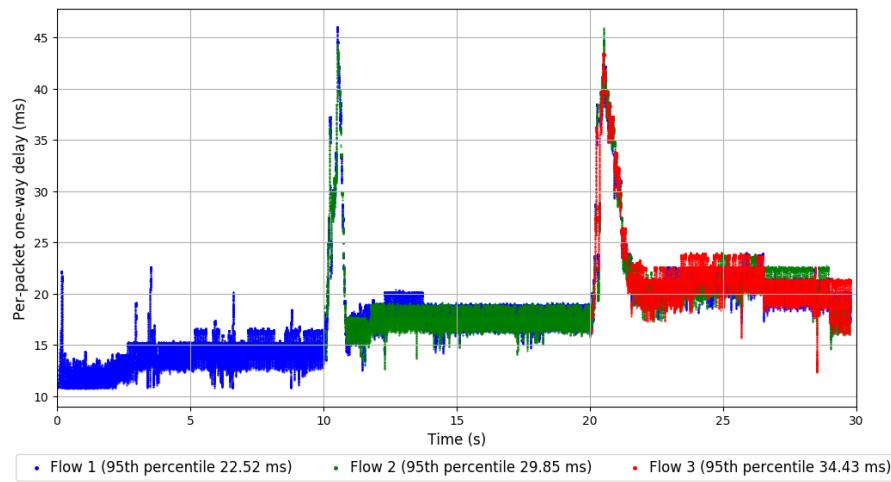
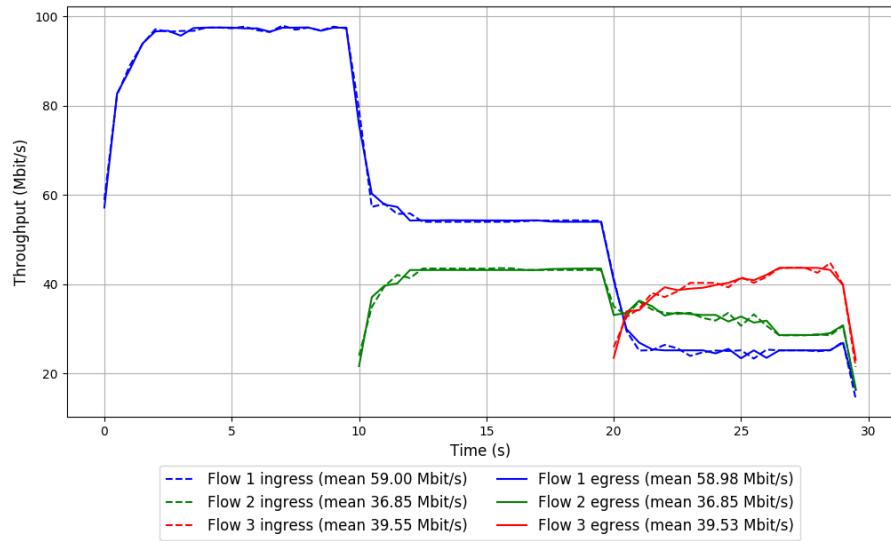


Run 4: Statistics of Indigo-calib

```
Start at: 2017-09-22 04:08:30
End at: 2017-09-22 04:09:00
Local clock offset: -2.129 ms
Remote clock offset: -0.851 ms

# Below is generated by plot.py at 2017-09-22 06:45:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 26.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 22.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 29.849 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 34.430 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo-calib — Data Link

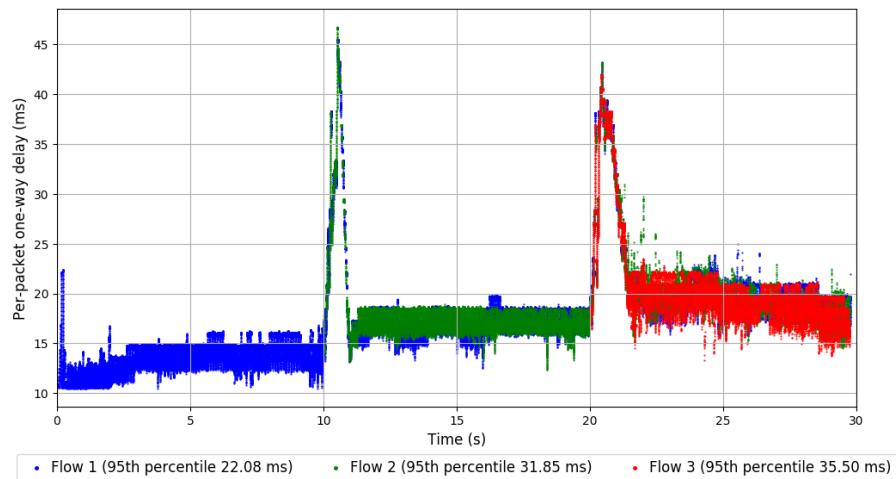
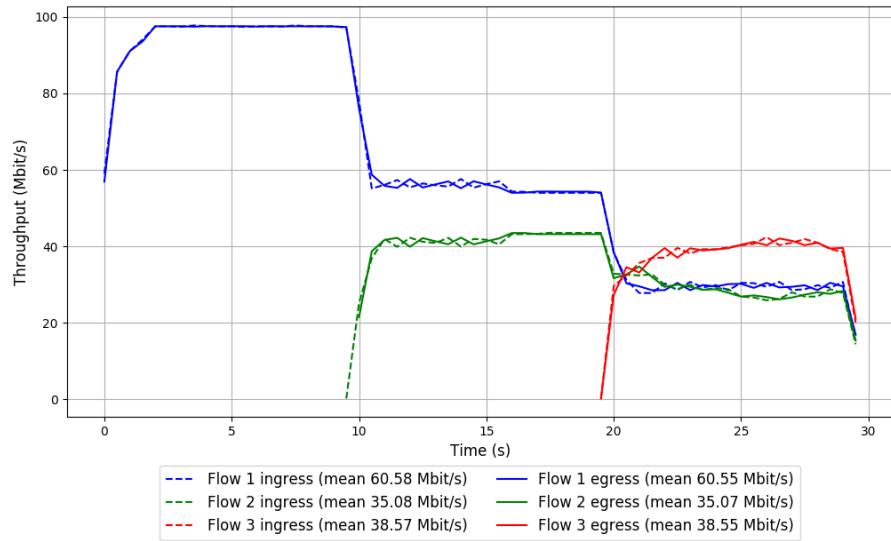


Run 5: Statistics of Indigo-calib

```
Start at: 2017-09-22 04:27:30
End at: 2017-09-22 04:28:00
Local clock offset: -1.854 ms
Remote clock offset: -0.898 ms

# Below is generated by plot.py at 2017-09-22 06:45:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 27.058 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 22.077 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 31.852 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 35.496 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo-calib — Data Link

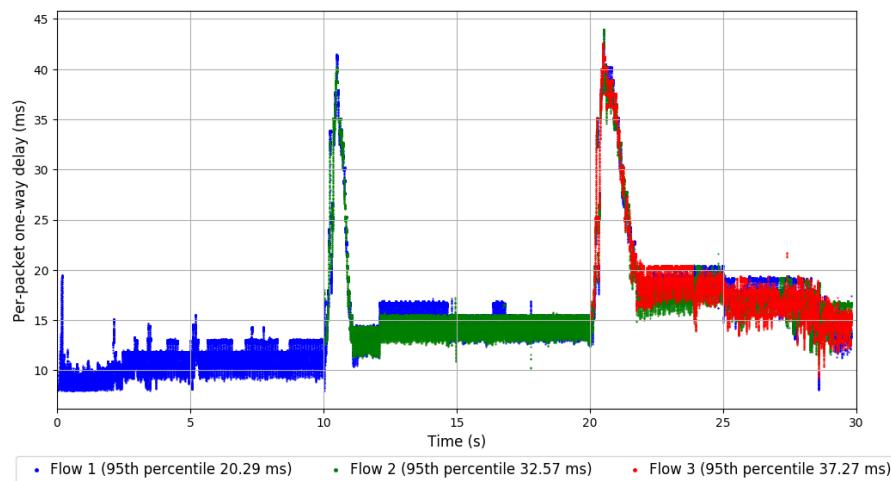
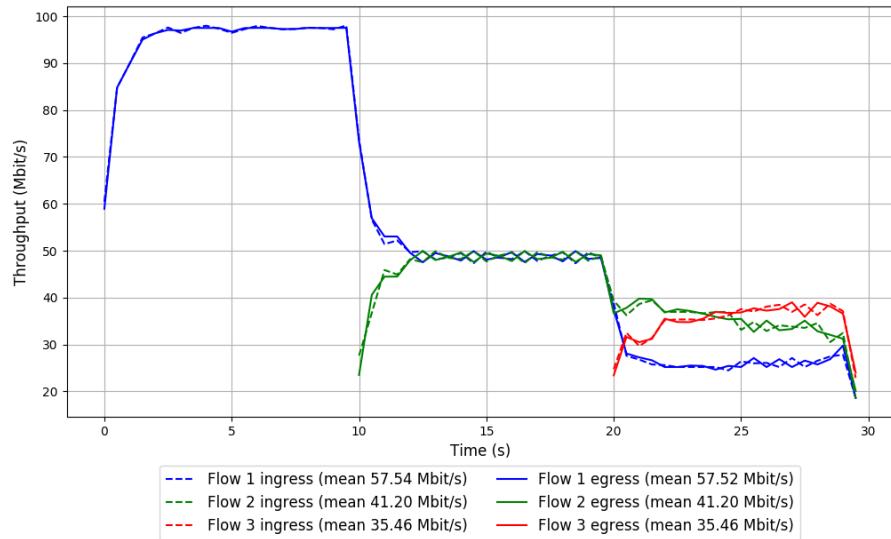


Run 6: Statistics of Indigo-calib

```
Start at: 2017-09-22 04:45:10
End at: 2017-09-22 04:45:40
Local clock offset: -2.109 ms
Remote clock offset: -3.293 ms

# Below is generated by plot.py at 2017-09-22 06:46:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 27.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 20.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 32.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 37.266 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-calib — Data Link

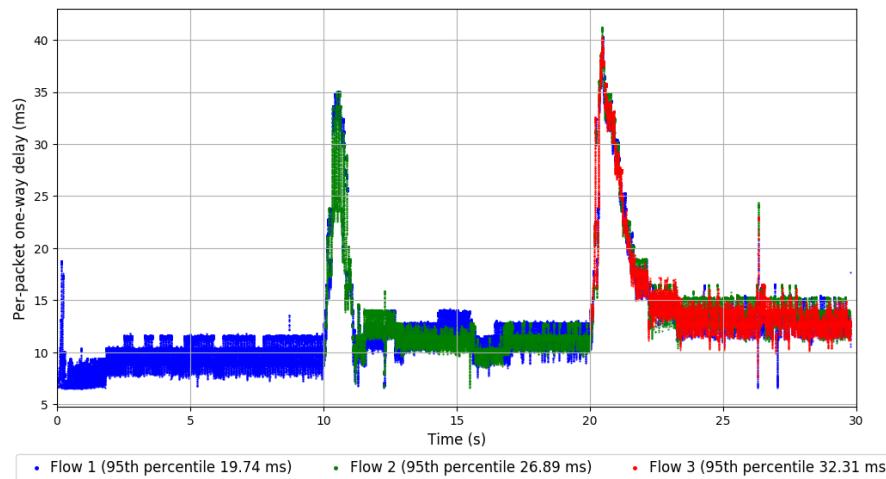
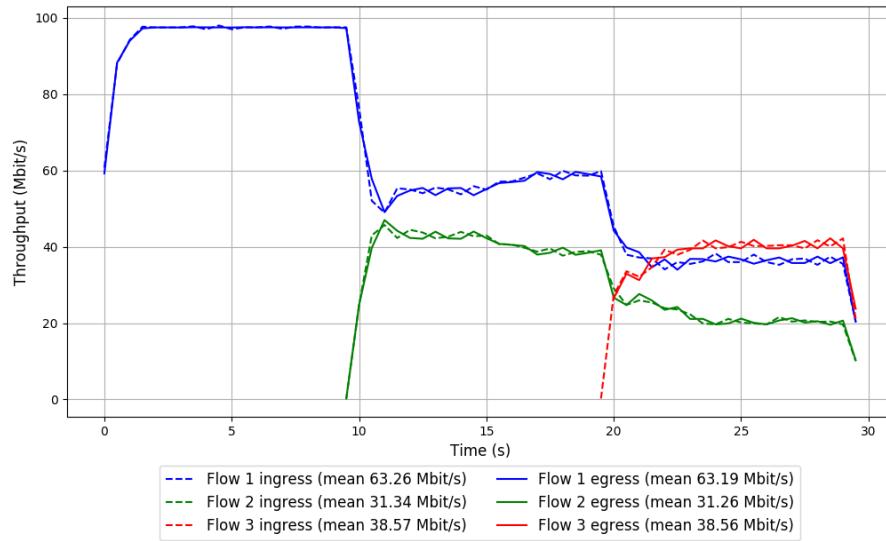


Run 7: Statistics of Indigo-calib

```
Start at: 2017-09-22 05:02:05
End at: 2017-09-22 05:02:35
Local clock offset: -0.04 ms
Remote clock offset: -3.266 ms

# Below is generated by plot.py at 2017-09-22 06:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 23.725 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 19.738 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 26.891 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 38.56 Mbit/s
95th percentile per-packet one-way delay: 32.309 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo-calib — Data Link

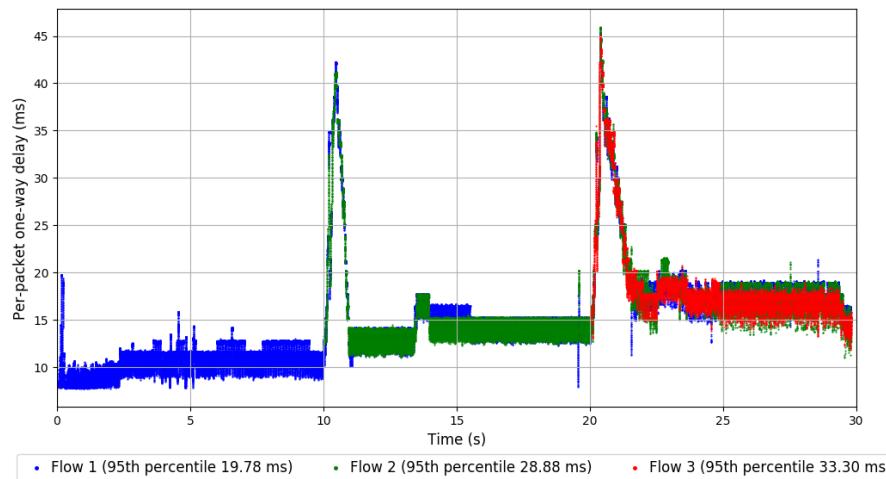
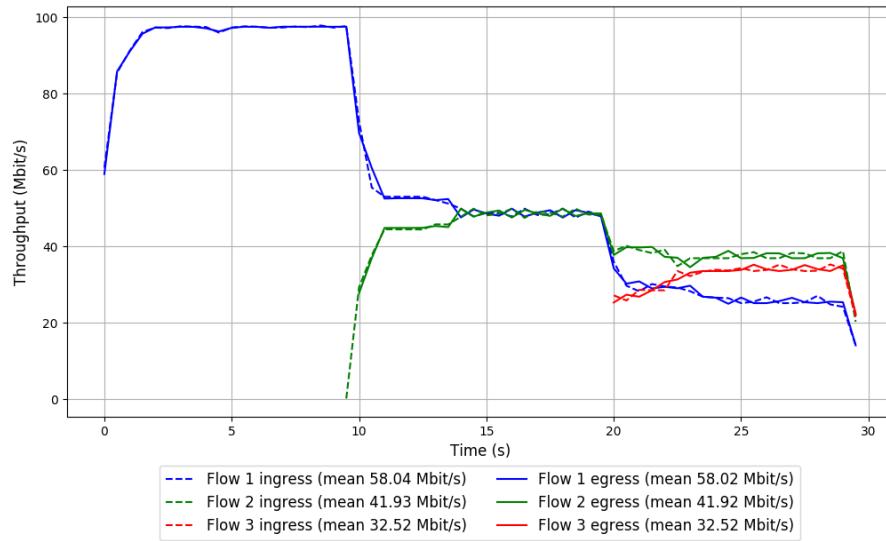


Run 8: Statistics of Indigo-calib

```
Start at: 2017-09-22 05:18:51
End at: 2017-09-22 05:19:21
Local clock offset: -1.541 ms
Remote clock offset: -3.587 ms

# Below is generated by plot.py at 2017-09-22 06:46:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 25.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.02 Mbit/s
95th percentile per-packet one-way delay: 19.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 28.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 33.305 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo-calib — Data Link

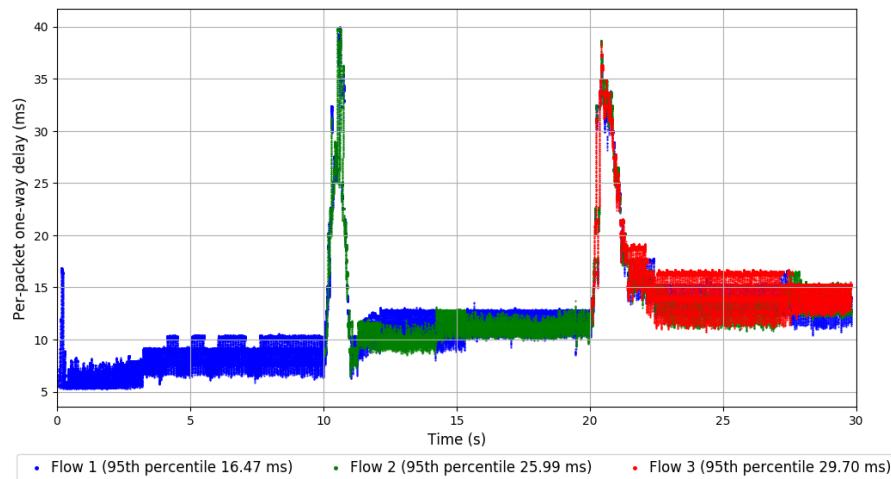
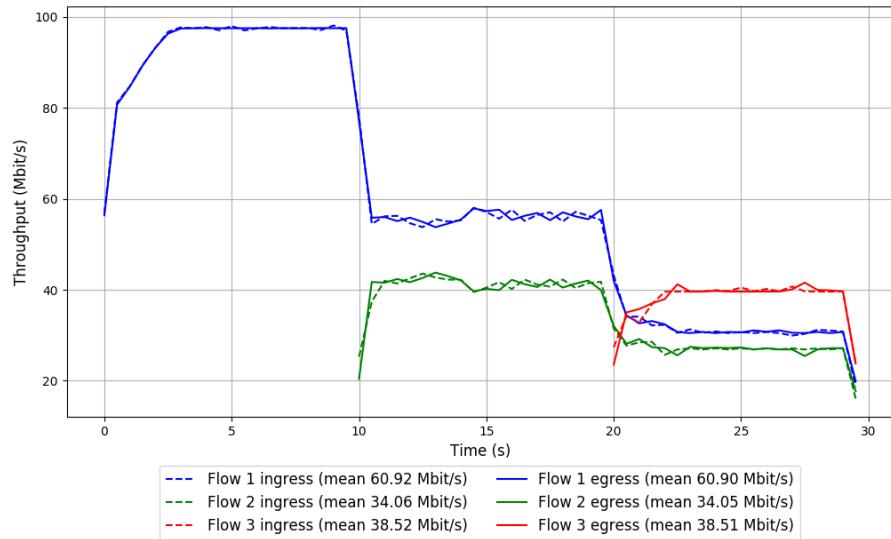


Run 9: Statistics of Indigo-calib

```
Start at: 2017-09-22 05:35:51
End at: 2017-09-22 05:36:21
Local clock offset: 1.369 ms
Remote clock offset: -3.219 ms

# Below is generated by plot.py at 2017-09-22 06:46:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 21.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 16.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 25.990 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 29.702 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-calib — Data Link

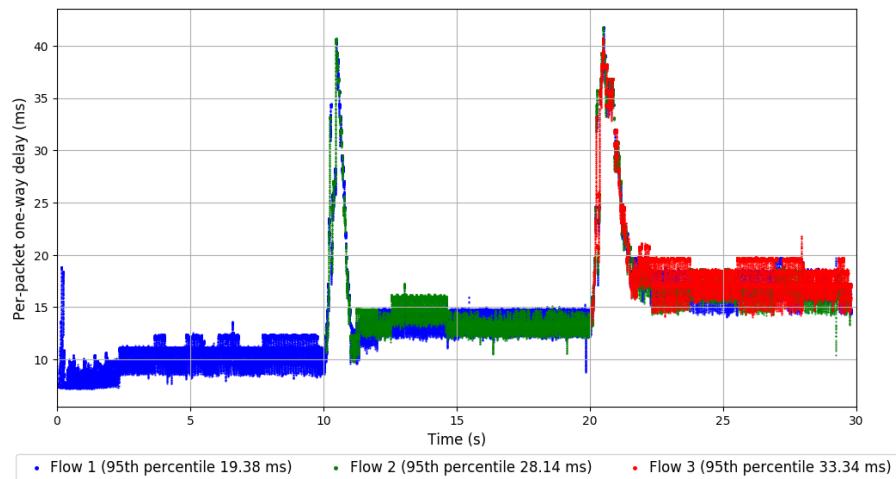
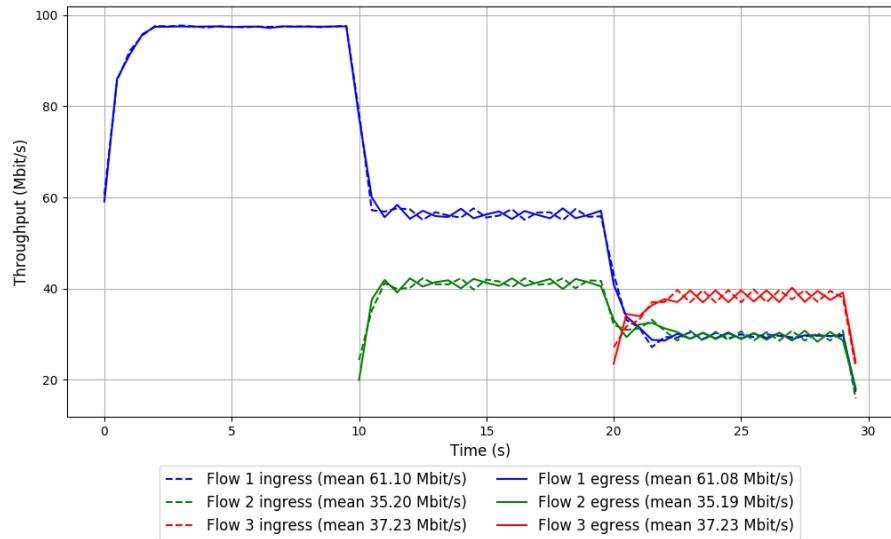


Run 10: Statistics of Indigo-calib

```
Start at: 2017-09-22 05:52:45
End at: 2017-09-22 05:53:15
Local clock offset: -1.311 ms
Remote clock offset: -3.573 ms

# Below is generated by plot.py at 2017-09-22 06:46:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 24.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.08 Mbit/s
95th percentile per-packet one-way delay: 19.378 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 28.137 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 33.338 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-calib — Data Link

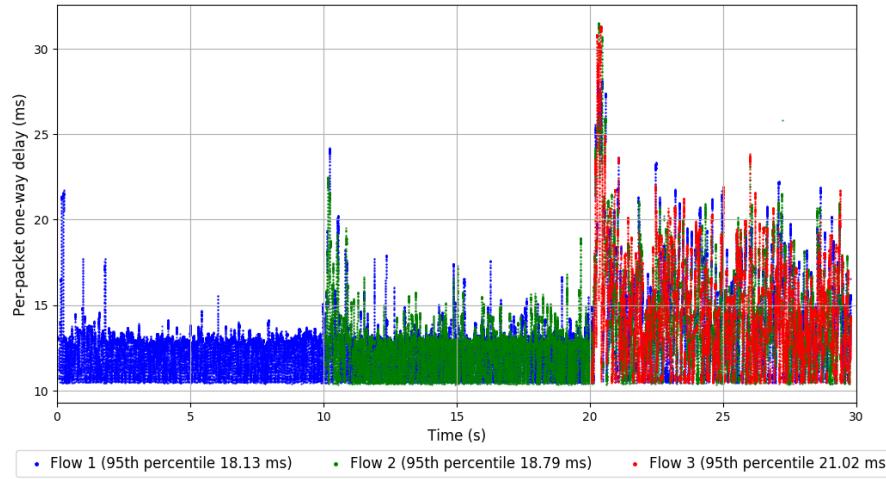
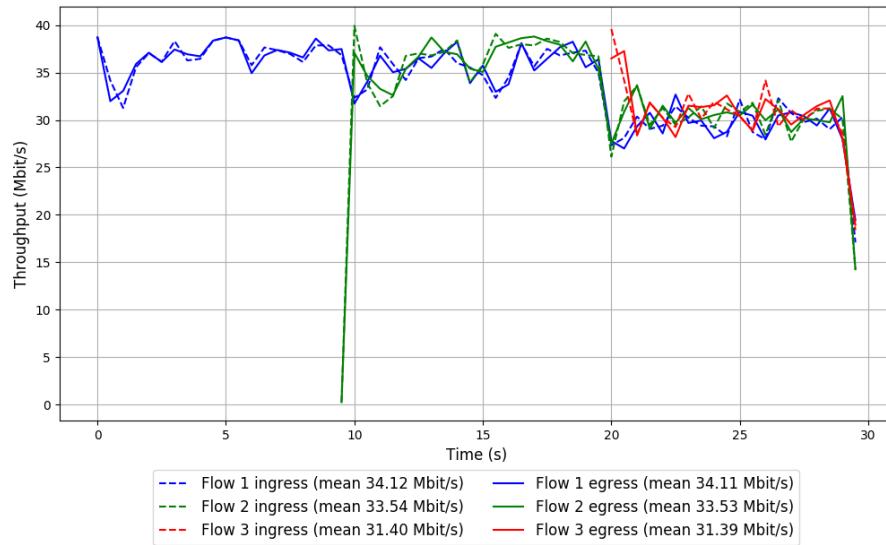


Run 1: Statistics of Indigo-delay

```
Start at: 2017-09-22 02:53:12
End at: 2017-09-22 02:53:42
Local clock offset: -1.743 ms
Remote clock offset: -1.915 ms

# Below is generated by plot.py at 2017-09-22 06:46:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 19.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 18.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 18.789 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 21.018 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-delay — Data Link

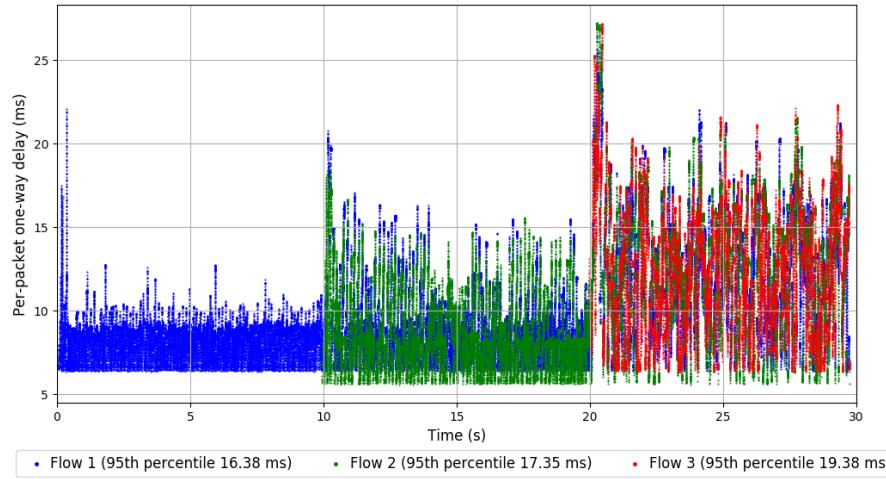
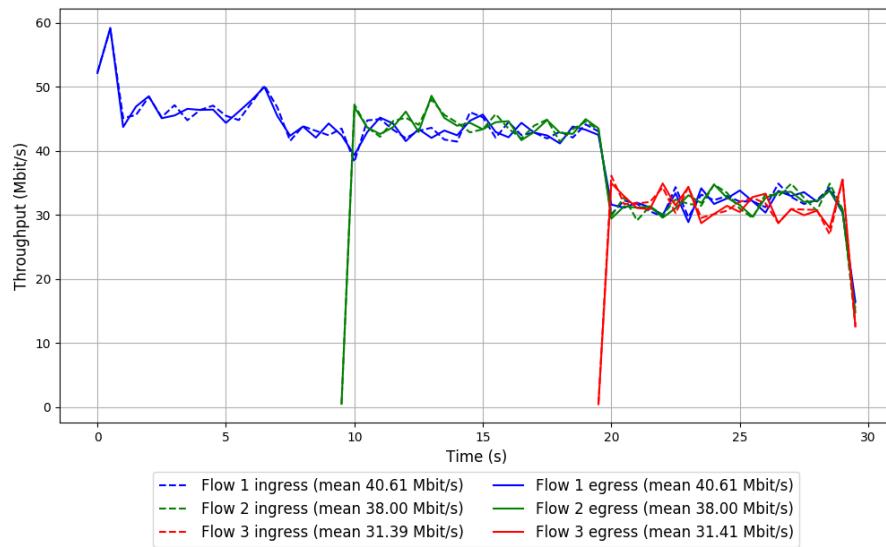


Run 2: Statistics of Indigo-delay

```
Start at: 2017-09-22 03:30:06
End at: 2017-09-22 03:30:36
Local clock offset: 1.519 ms
Remote clock offset: -2.221 ms

# Below is generated by plot.py at 2017-09-22 06:46:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 17.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 16.376 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 17.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-delay — Data Link

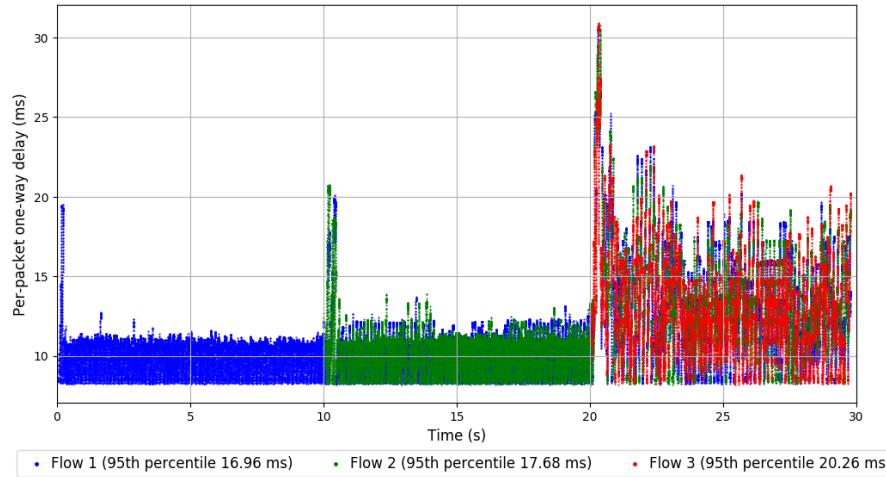
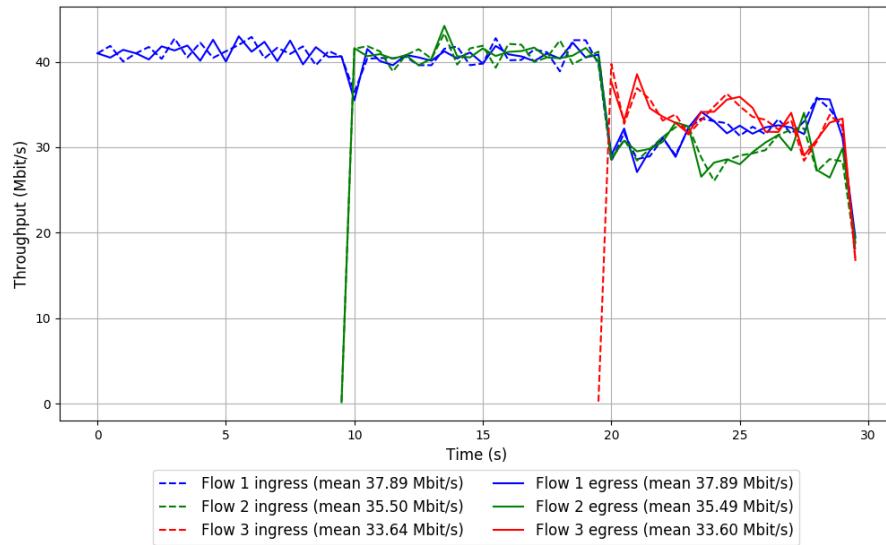


Run 3: Statistics of Indigo-delay

```
Start at: 2017-09-22 03:52:05
End at: 2017-09-22 03:52:35
Local clock offset: -1.372 ms
Remote clock offset: -2.351 ms

# Below is generated by plot.py at 2017-09-22 06:46:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 18.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 16.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 17.675 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 20.259 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-delay — Data Link

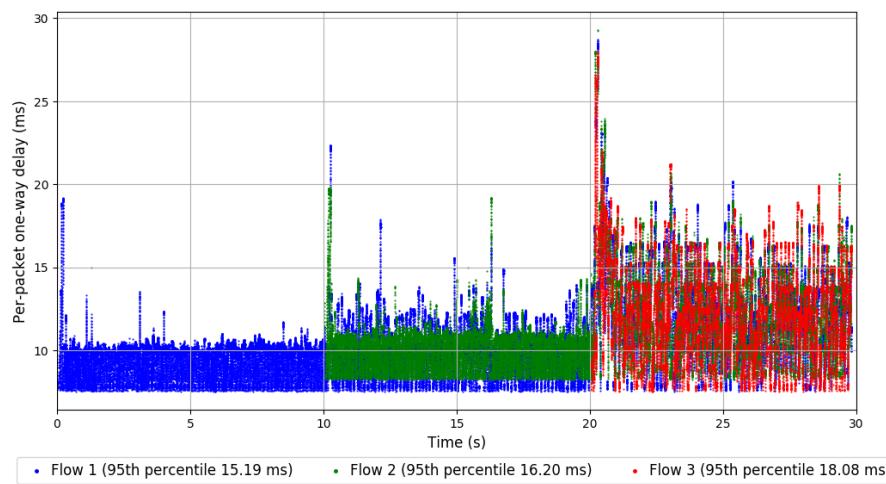
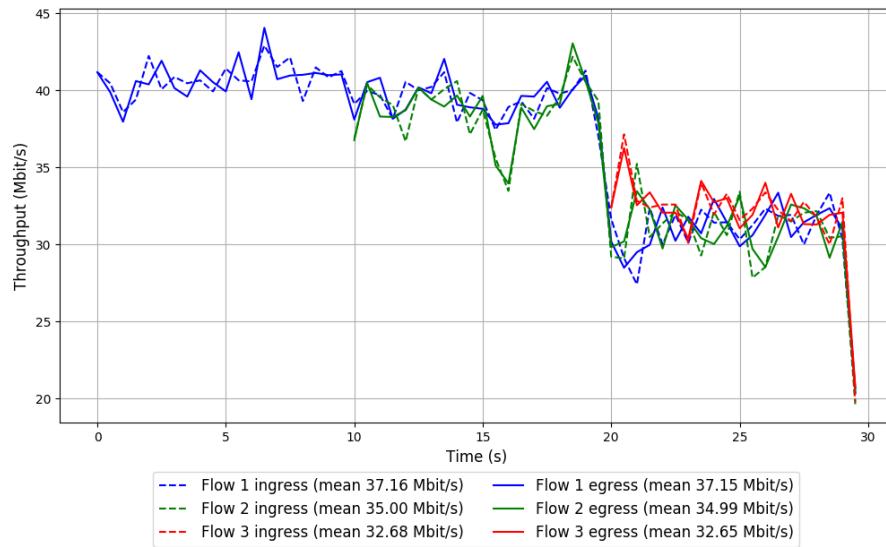


Run 4: Statistics of Indigo-delay

```
Start at: 2017-09-22 04:09:54
End at: 2017-09-22 04:10:24
Local clock offset: -1.321 ms
Remote clock offset: -2.617 ms

# Below is generated by plot.py at 2017-09-22 06:47:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 16.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 15.190 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 16.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 18.079 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-delay — Data Link

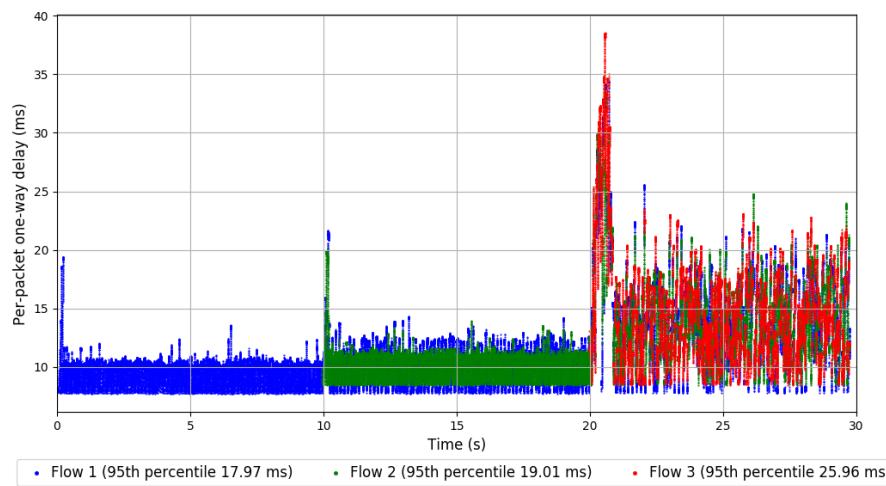
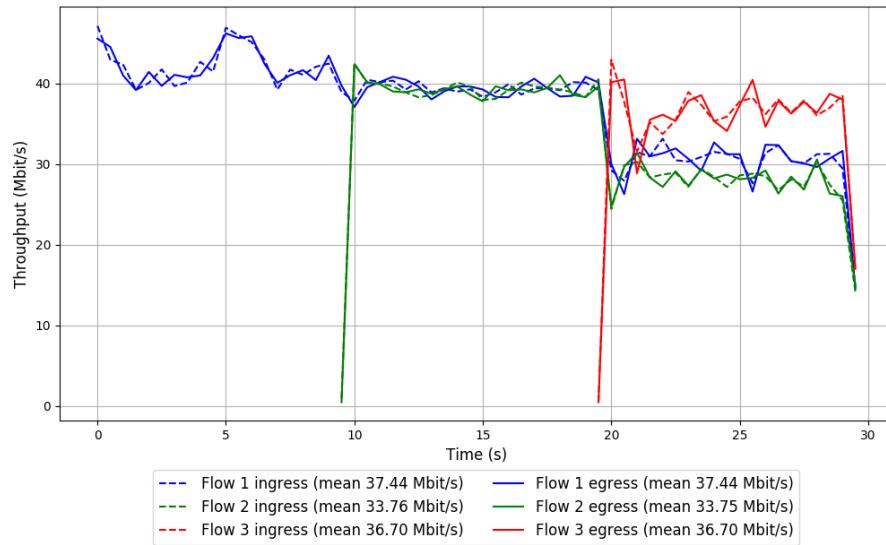


Run 5: Statistics of Indigo-delay

```
Start at: 2017-09-22 04:28:55
End at: 2017-09-22 04:29:25
Local clock offset: -0.392 ms
Remote clock offset: -1.451 ms

# Below is generated by plot.py at 2017-09-22 06:47:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 19.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 17.974 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 25.962 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-delay — Data Link

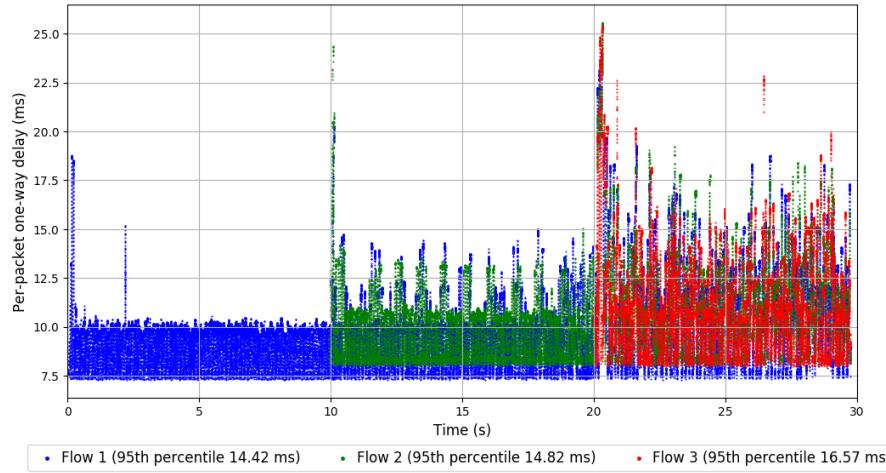
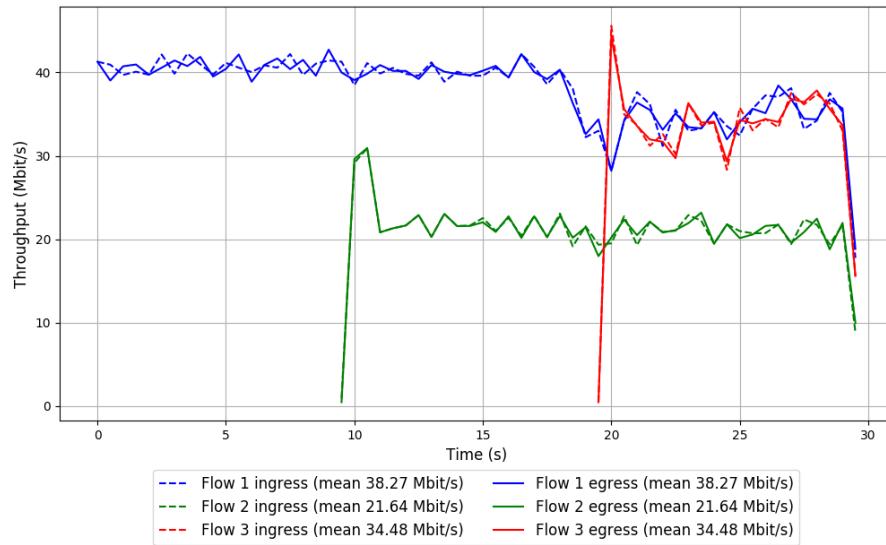


Run 6: Statistics of Indigo-delay

```
Start at: 2017-09-22 04:46:27
End at: 2017-09-22 04:46:57
Local clock offset: -8.33 ms
Remote clock offset: -10.239 ms

# Below is generated by plot.py at 2017-09-22 06:47:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 15.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 14.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 14.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 16.571 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo-delay — Data Link

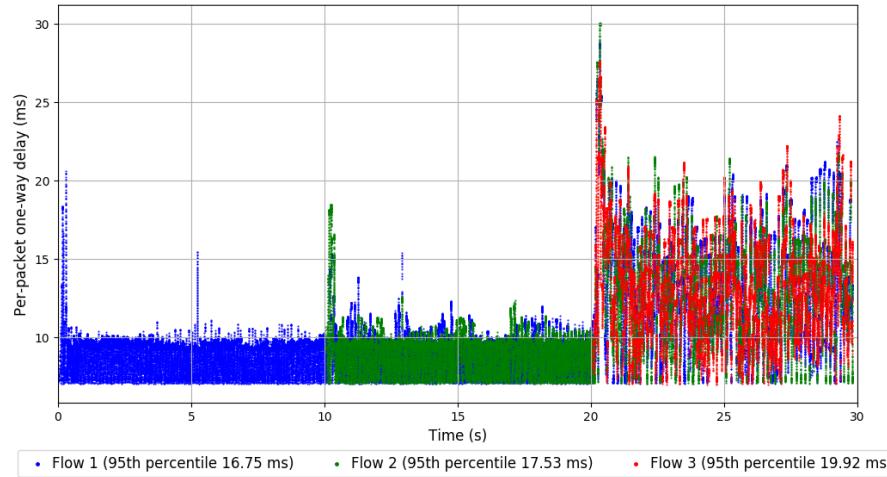
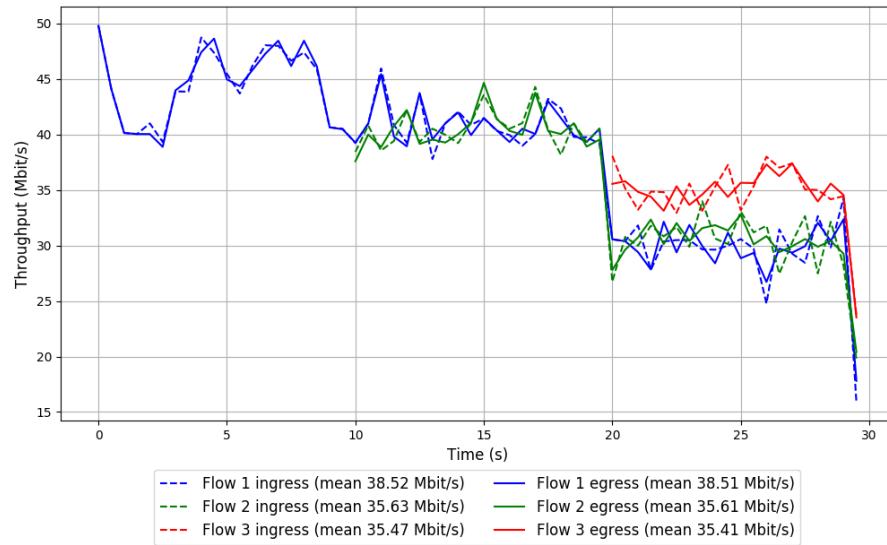


Run 7: Statistics of Indigo-delay

```
Start at: 2017-09-22 05:03:18
End at: 2017-09-22 05:03:48
Local clock offset: -1.473 ms
Remote clock offset: -4.87 ms

# Below is generated by plot.py at 2017-09-22 06:47:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 17.710 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 16.745 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 17.530 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 19.924 ms
Loss rate: 0.11%
```

Run 7: Report of Indigo-delay — Data Link

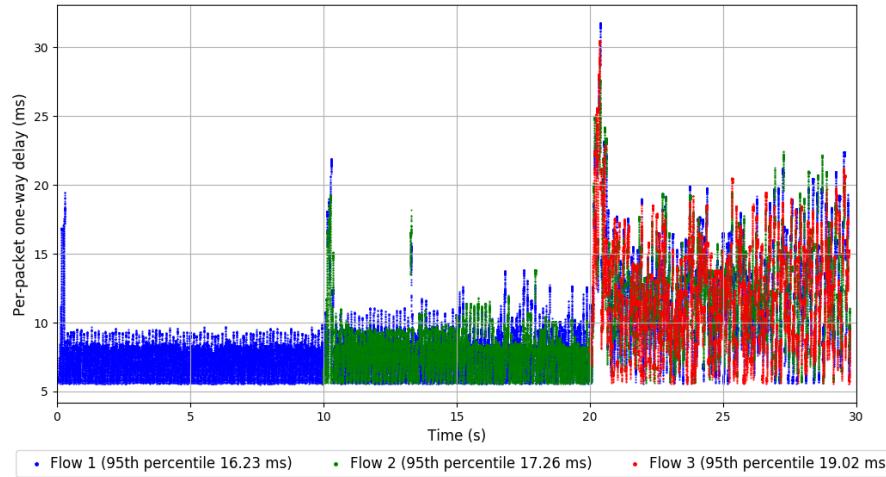
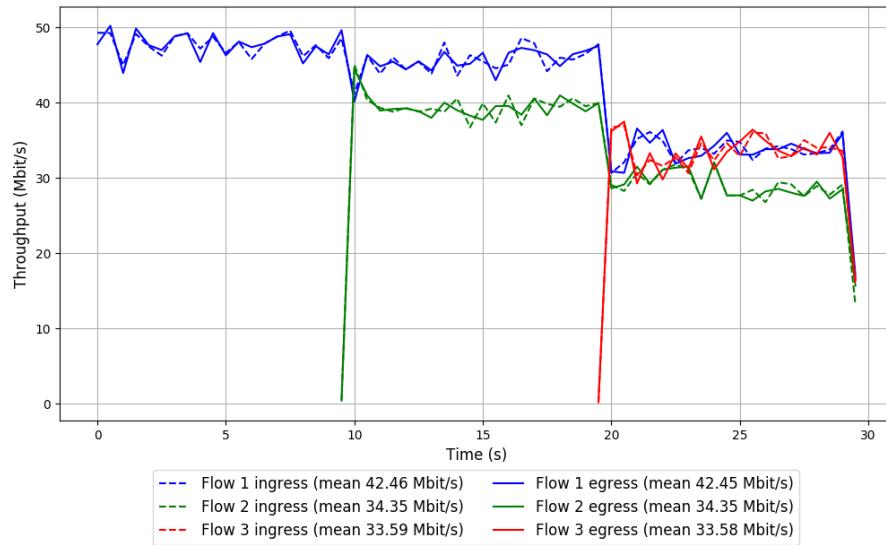


Run 8: Statistics of Indigo-delay

```
Start at: 2017-09-22 05:20:05
End at: 2017-09-22 05:20:35
Local clock offset: 0.942 ms
Remote clock offset: -4.008 ms

# Below is generated by plot.py at 2017-09-22 06:47:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 17.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 16.227 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 17.259 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.02%
```

Run 8: Report of Indigo-delay — Data Link

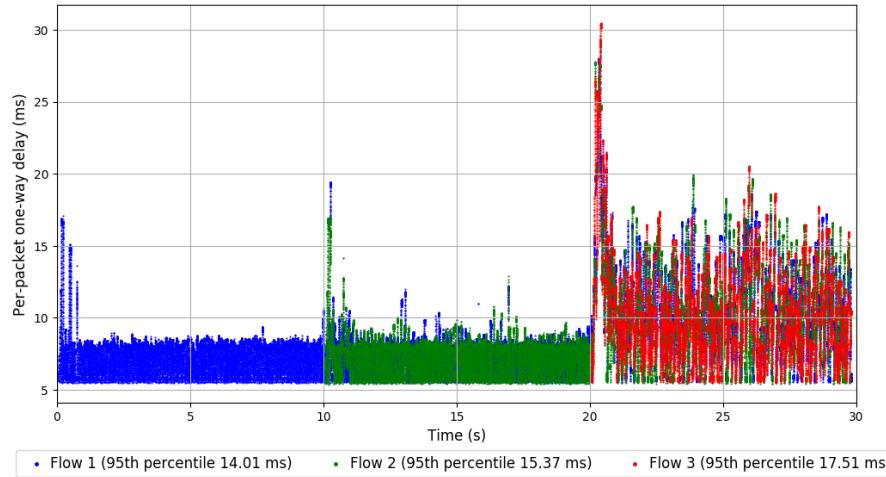
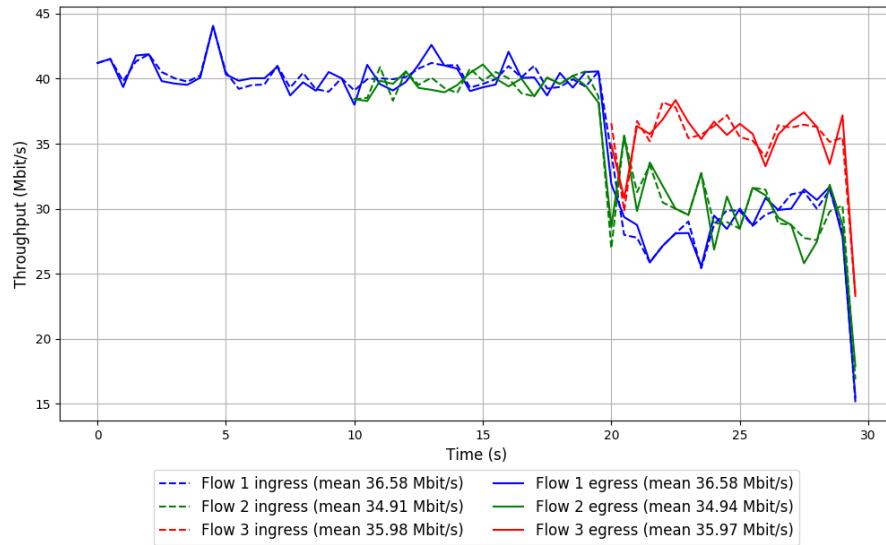


Run 9: Statistics of Indigo-delay

```
Start at: 2017-09-22 05:37:06
End at: 2017-09-22 05:37:36
Local clock offset: 1.62 ms
Remote clock offset: -3.521 ms

# Below is generated by plot.py at 2017-09-22 06:47:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 15.246 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 14.011 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 15.369 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 17.511 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

```
Start at: 2017-09-22 05:53:58
End at: 2017-09-22 05:54:28
Local clock offset: -0.673 ms
Remote clock offset: -3.732 ms

# Below is generated by plot.py at 2017-09-22 06:47:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.80 Mbit/s
95th percentile per-packet one-way delay: 18.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 17.318 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 17.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 21.258 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-delay — Data Link

