

Pantheon Report

Generated at 2017-12-06 02:34:30 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico 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).

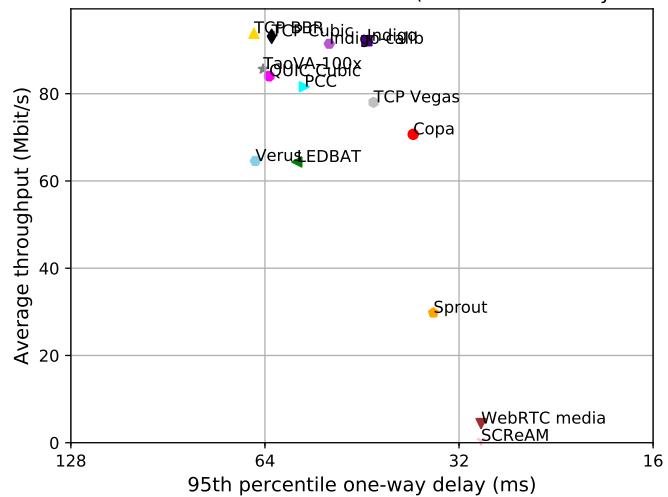
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

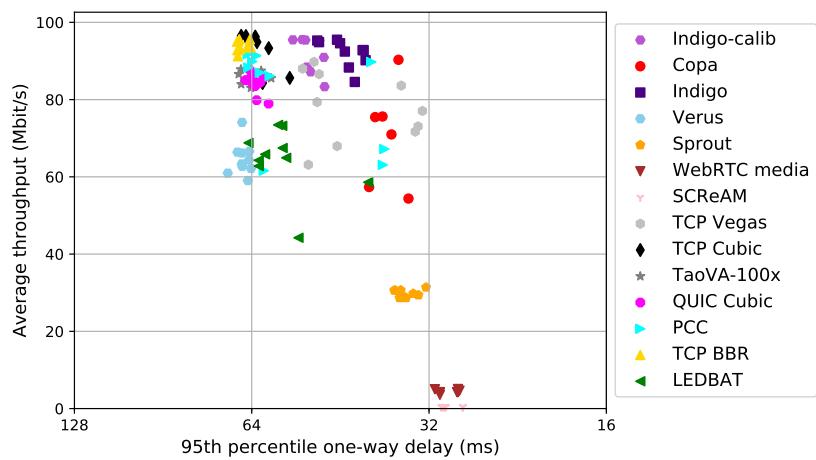
Git summary:

```
branch: indigos @ e3a57ad5ac5cfaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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 California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



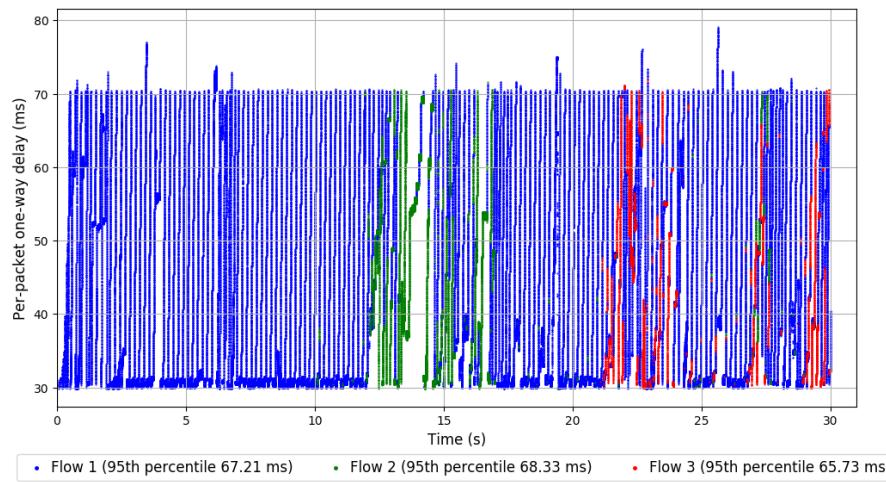
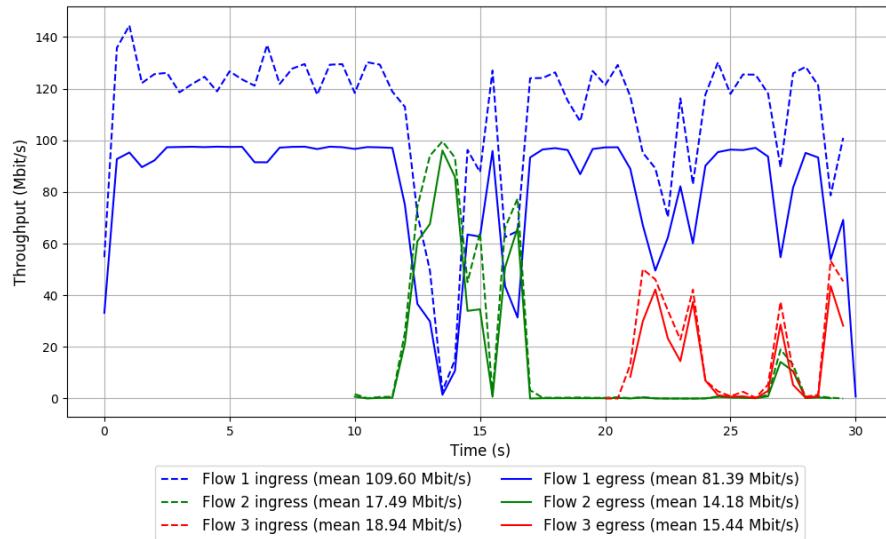
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	83.24	13.39	6.06	66.50	66.01	66.75	23.57	28.89	32.30
TCP Cubic	9	59.97	36.24	27.38	62.20	61.45	61.43	0.51	0.53	0.81
LEDBAT	10	38.82	26.77	23.32	56.67	57.86	53.18	0.16	0.24	0.17
PCC	10	63.59	20.99	12.25	54.57	56.67	55.54	2.30	3.23	5.41
QUIC Cubic	10	54.75	32.19	23.98	62.28	63.31	63.13	1.37	0.94	1.05
SCReAM	10	0.22	0.22	0.22	29.59	29.58	29.56	0.00	0.00	0.00
WebRTC media	9	2.28	1.53	0.63	29.54	29.56	29.80	0.01	0.00	0.00
Sprout	10	15.11	14.87	14.52	34.49	35.31	36.10	0.02	0.02	0.01
TaoVA-100x	10	53.08	39.67	25.81	62.23	65.31	65.83	14.11	25.61	18.88
TCP Vegas	10	45.13	36.86	25.21	41.93	40.37	37.66	0.52	0.17	0.30
Verus	10	40.52	29.85	14.86	66.00	66.19	63.86	35.27	38.68	35.34
Copa	6	46.77	28.24	20.37	37.74	39.31	37.70	0.14	0.17	0.05
Indigo	10	61.29	32.24	28.91	41.48	46.95	51.88	0.18	0.25	0.39
Indigo-calib	8	57.95	32.75	32.43	46.88	52.43	54.94	0.21	0.43	0.34

Run 1: Statistics of TCP BBR

```
Start at: 2017-12-05 22:29:47
End at: 2017-12-05 22:30:17
Local clock offset: -0.368 ms
Remote clock offset: -1.751 ms

# Below is generated by plot.py at 2017-12-06 02:15:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 67.402 ms
Loss rate: 25.29%
-- Flow 1:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 67.212 ms
Loss rate: 25.71%
-- Flow 2:
Average throughput: 14.18 Mbit/s
95th percentile per-packet one-way delay: 68.328 ms
Loss rate: 20.32%
-- Flow 3:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 65.735 ms
Loss rate: 26.87%
```

Run 1: Report of TCP BBR — Data Link

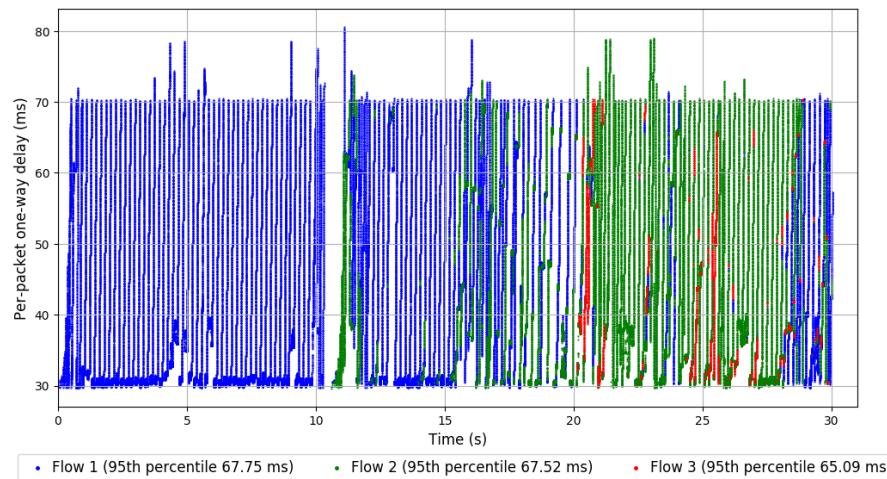
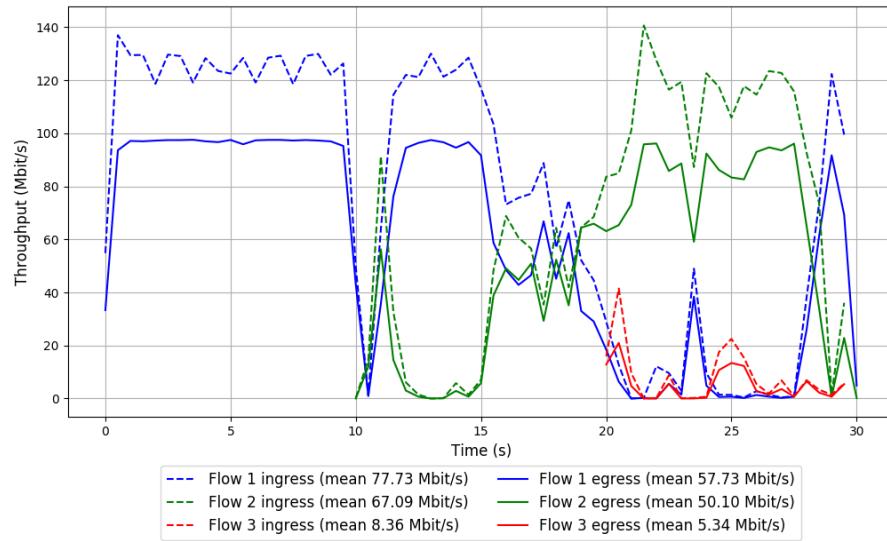


Run 2: Statistics of TCP BBR

```
Start at: 2017-12-05 22:49:56
End at: 2017-12-05 22:50:26
Local clock offset: -0.239 ms
Remote clock offset: -1.646 ms

# Below is generated by plot.py at 2017-12-06 02:15:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 67.689 ms
Loss rate: 25.78%
-- Flow 1:
Average throughput: 57.73 Mbit/s
95th percentile per-packet one-way delay: 67.752 ms
Loss rate: 25.67%
-- Flow 2:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 67.520 ms
Loss rate: 25.29%
-- Flow 3:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 65.095 ms
Loss rate: 36.68%
```

Run 2: Report of TCP BBR — Data Link

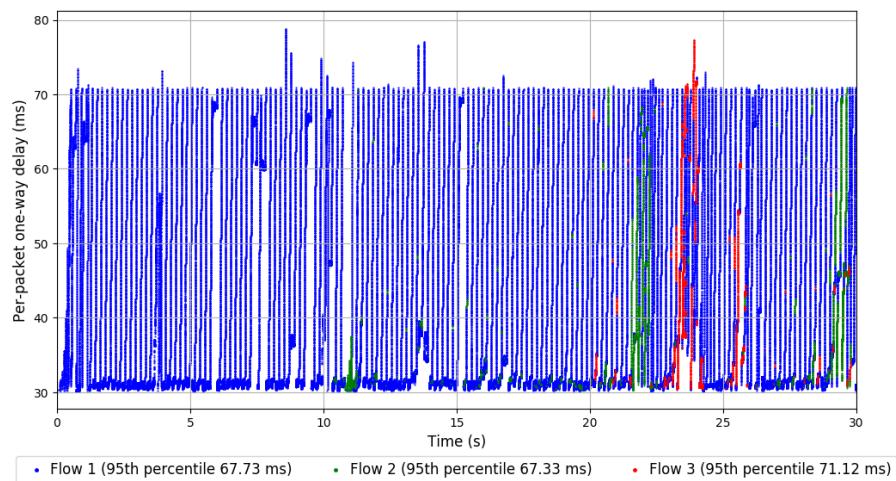
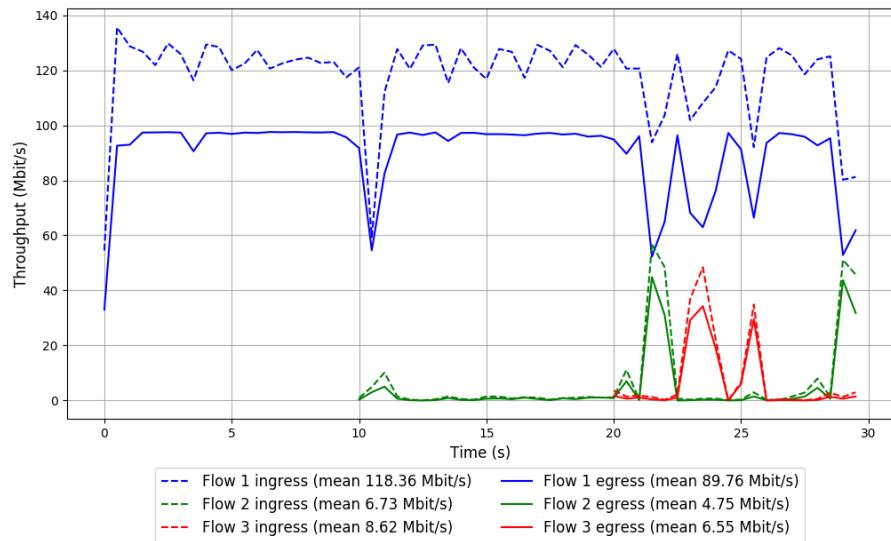


Run 3: Statistics of TCP BBR

```
Start at: 2017-12-05 23:09:52
End at: 2017-12-05 23:10:22
Local clock offset: -0.242 ms
Remote clock offset: -1.298 ms

# Below is generated by plot.py at 2017-12-06 02:15:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 67.773 ms
Loss rate: 24.36%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 67.735 ms
Loss rate: 24.16%
-- Flow 2:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 67.329 ms
Loss rate: 29.58%
-- Flow 3:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 71.119 ms
Loss rate: 24.45%
```

Run 3: Report of TCP BBR — Data Link

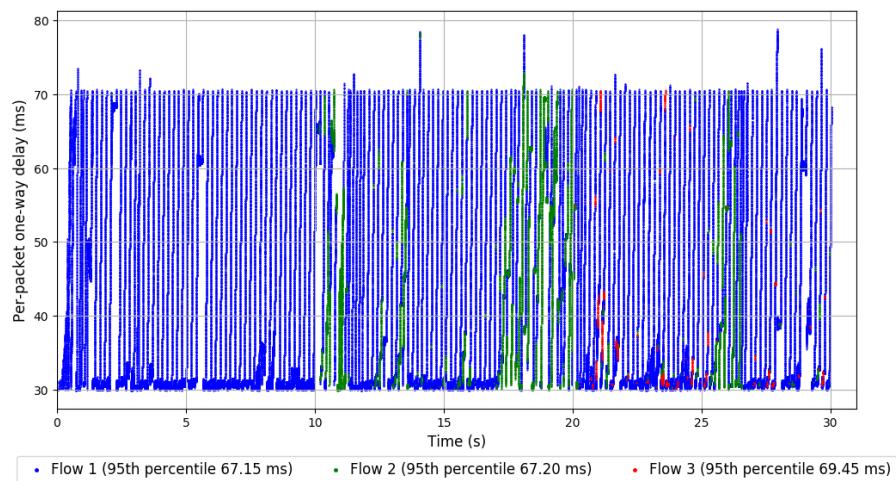
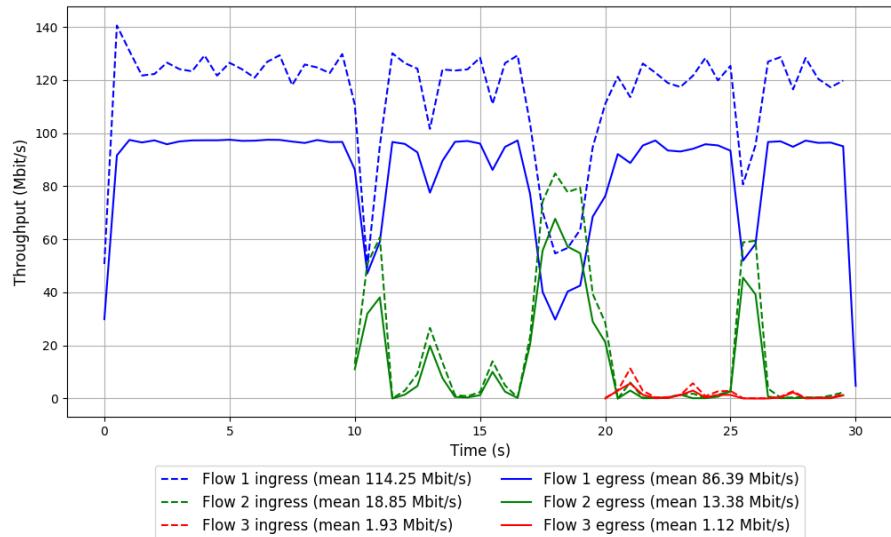


Run 4: Statistics of TCP BBR

```
Start at: 2017-12-05 23:30:22
End at: 2017-12-05 23:30:52
Local clock offset: -0.359 ms
Remote clock offset: -2.396 ms

# Below is generated by plot.py at 2017-12-06 02:15:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 67.199 ms
Loss rate: 24.88%
-- Flow 1:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 67.151 ms
Loss rate: 24.33%
-- Flow 2:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 67.202 ms
Loss rate: 29.05%
-- Flow 3:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 69.453 ms
Loss rate: 41.88%
```

Run 4: Report of TCP BBR — Data Link

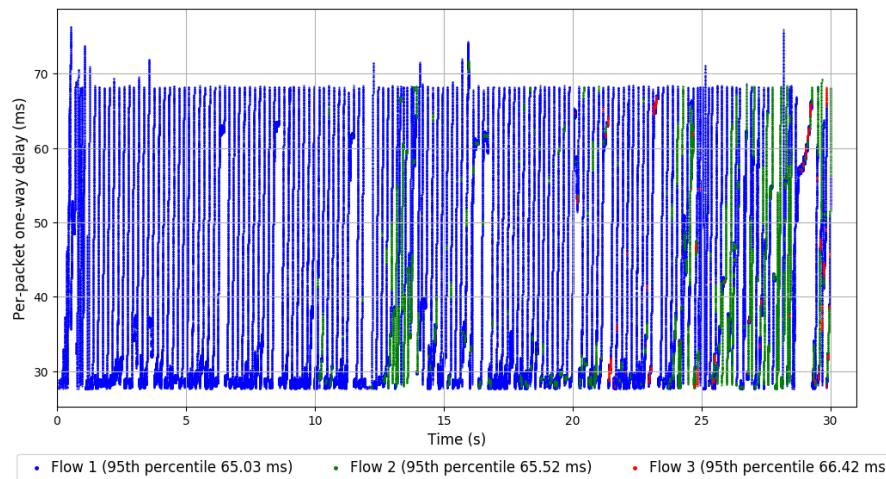
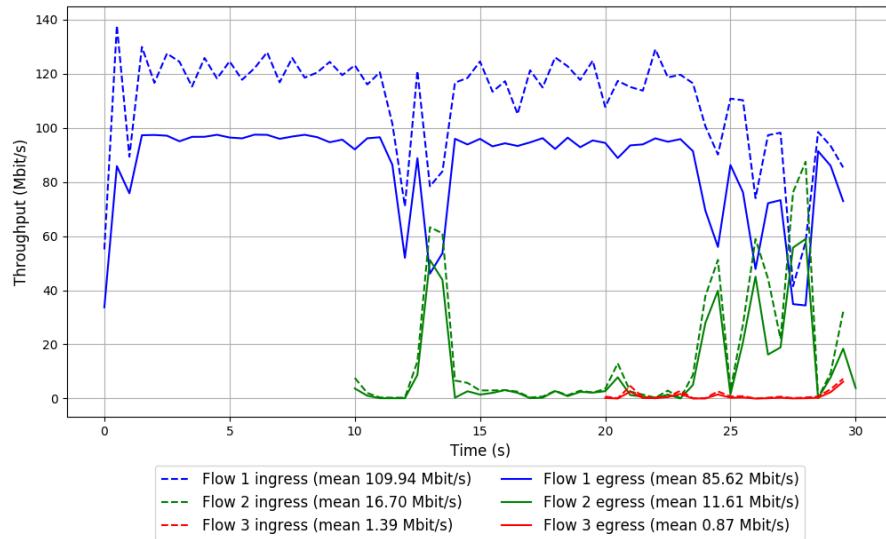


Run 5: Statistics of TCP BBR

```
Start at: 2017-12-05 23:52:06
End at: 2017-12-05 23:52:36
Local clock offset: -0.397 ms
Remote clock offset: -4.696 ms

# Below is generated by plot.py at 2017-12-06 02:15:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 65.131 ms
Loss rate: 22.94%
-- Flow 1:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 65.033 ms
Loss rate: 22.13%
-- Flow 2:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 65.516 ms
Loss rate: 30.35%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 66.421 ms
Loss rate: 37.58%
```

Run 5: Report of TCP BBR — Data Link

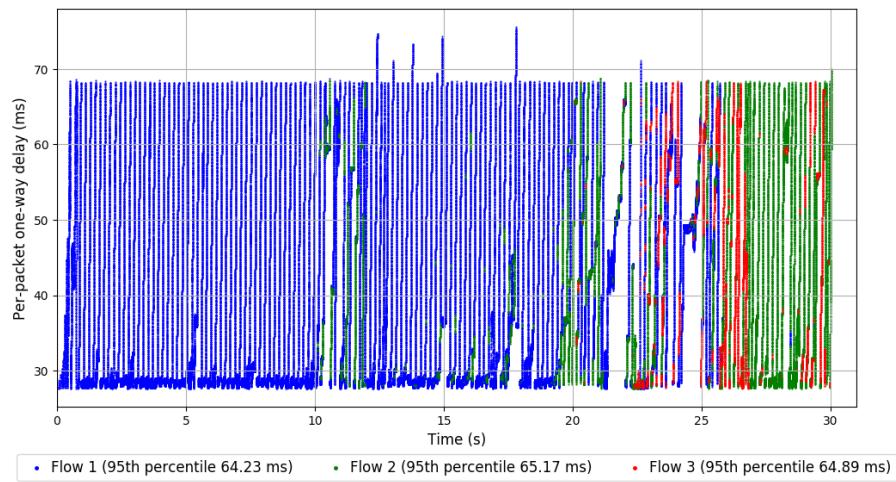
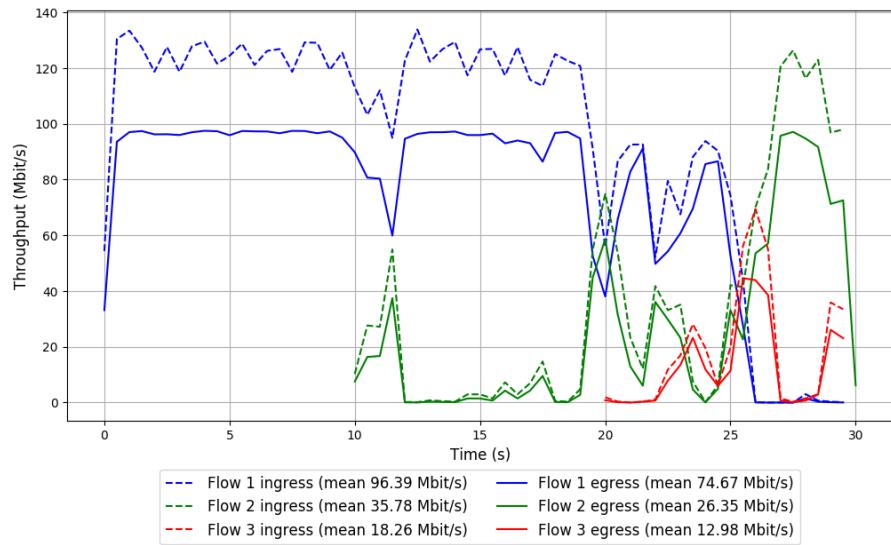


Run 6: Statistics of TCP BBR

```
Start at: 2017-12-06 00:14:22
End at: 2017-12-06 00:14:52
Local clock offset: -0.478 ms
Remote clock offset: -4.231 ms

# Below is generated by plot.py at 2017-12-06 02:15:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 64.470 ms
Loss rate: 23.67%
-- Flow 1:
Average throughput: 74.67 Mbit/s
95th percentile per-packet one-way delay: 64.227 ms
Loss rate: 22.68%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 65.174 ms
Loss rate: 26.23%
-- Flow 3:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 64.895 ms
Loss rate: 29.19%
```

Run 6: Report of TCP BBR — Data Link

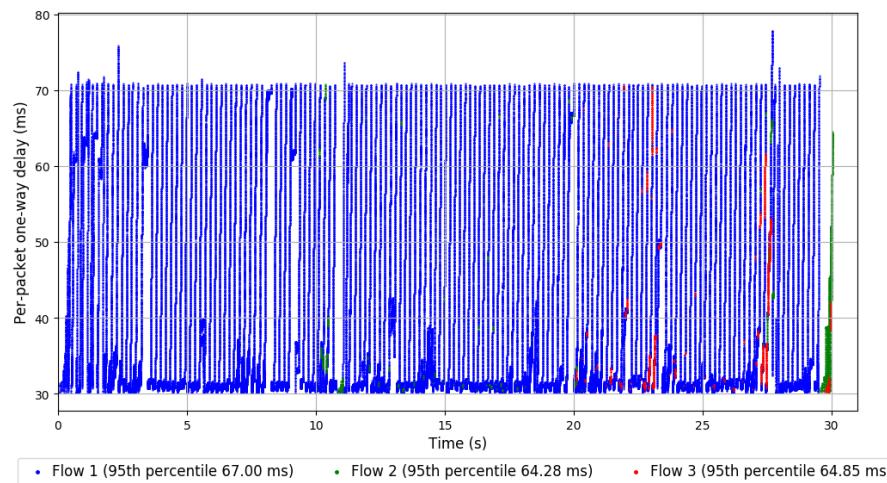
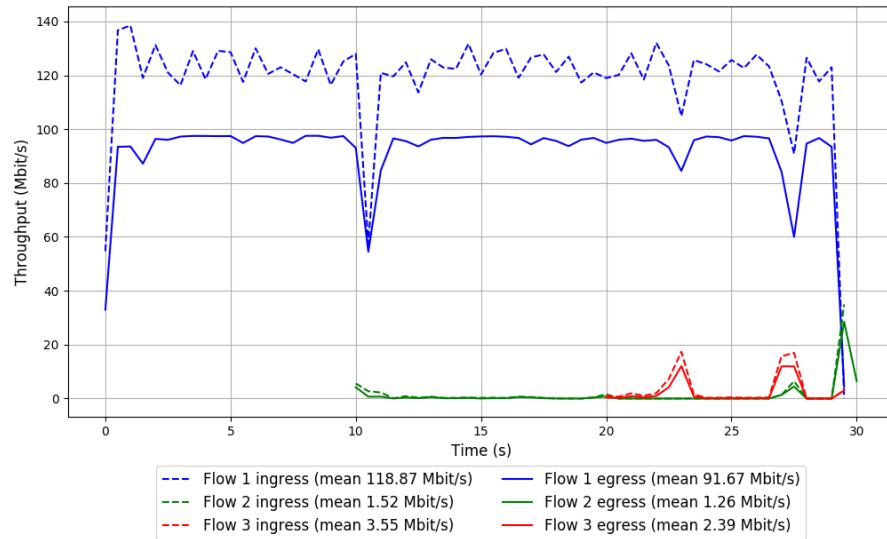


Run 7: Statistics of TCP BBR

```
Start at: 2017-12-06 00:35:47
End at: 2017-12-06 00:36:17
Local clock offset: -0.487 ms
Remote clock offset: -0.792 ms

# Below is generated by plot.py at 2017-12-06 02:15:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 66.991 ms
Loss rate: 22.87%
-- Flow 1:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 67.005 ms
Loss rate: 22.82%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 64.282 ms
Loss rate: 16.82%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 64.850 ms
Loss rate: 32.62%
```

Run 7: Report of TCP BBR — Data Link

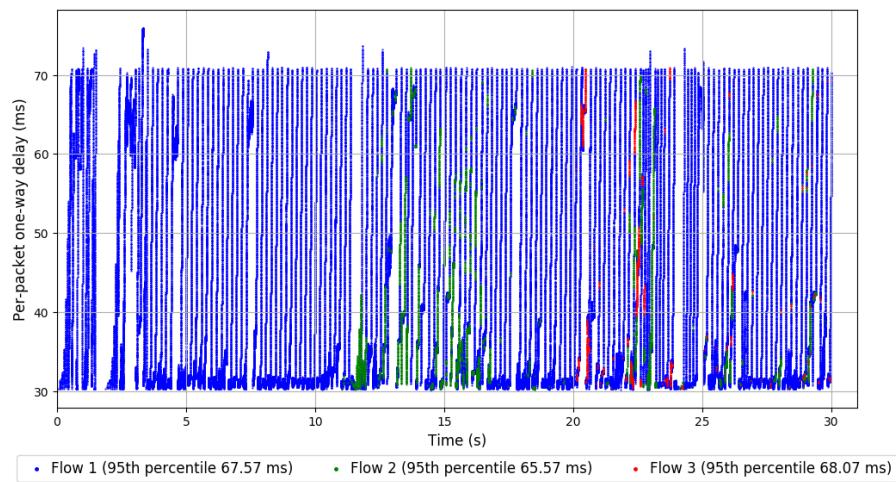
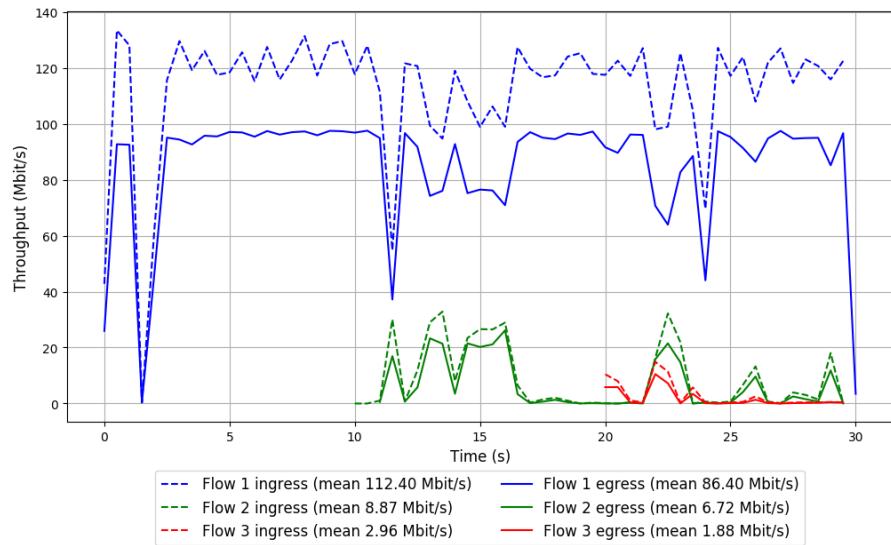


Run 8: Statistics of TCP BBR

```
Start at: 2017-12-06 00:56:56
End at: 2017-12-06 00:57:27
Local clock offset: -0.619 ms
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2017-12-06 02:15:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 67.552 ms
Loss rate: 23.45%
-- Flow 1:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 67.570 ms
Loss rate: 23.08%
-- Flow 2:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 65.568 ms
Loss rate: 28.40%
-- Flow 3:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 68.066 ms
Loss rate: 36.96%
```

Run 8: Report of TCP BBR — Data Link

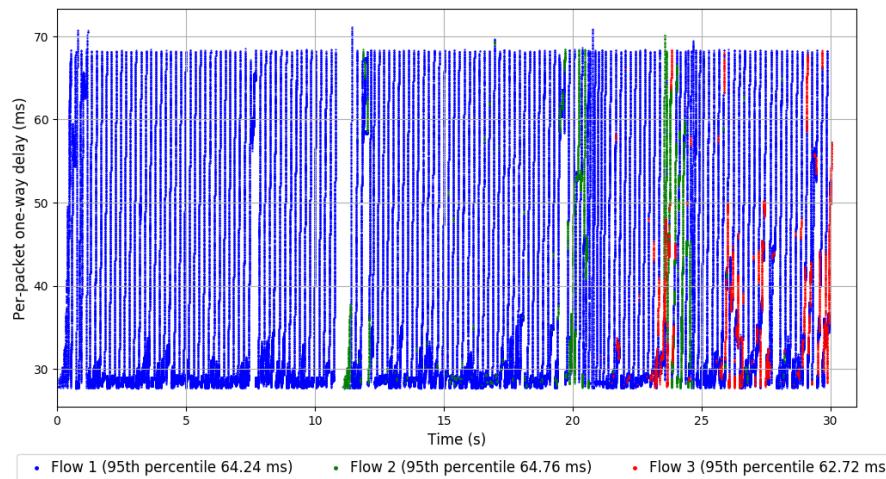
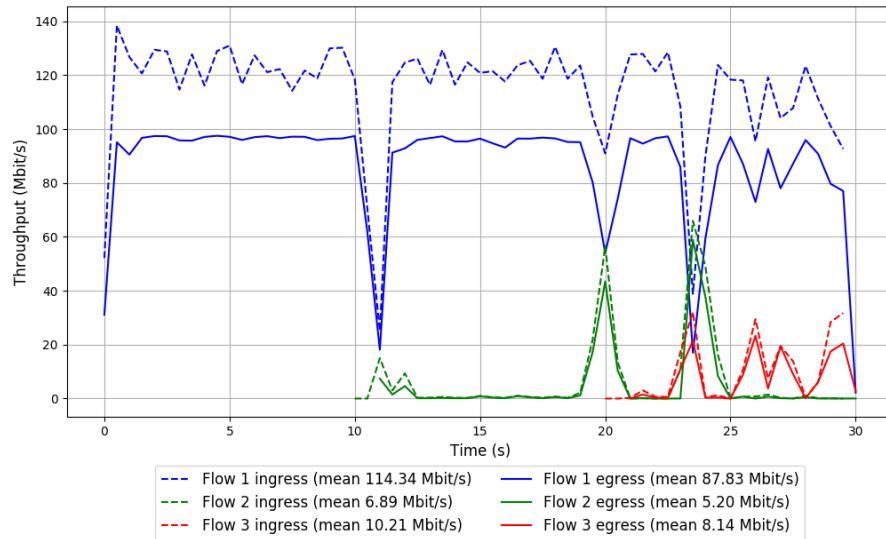


Run 9: Statistics of TCP BBR

```
Start at: 2017-12-06 01:21:42
End at: 2017-12-06 01:22:13
Local clock offset: -0.832 ms
Remote clock offset: -2.91 ms

# Below is generated by plot.py at 2017-12-06 02:17:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 64.245 ms
Loss rate: 23.46%
-- Flow 1:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 64.244 ms
Loss rate: 23.13%
-- Flow 2:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 64.763 ms
Loss rate: 28.27%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 62.721 ms
Loss rate: 28.11%
```

Run 9: Report of TCP BBR — Data Link

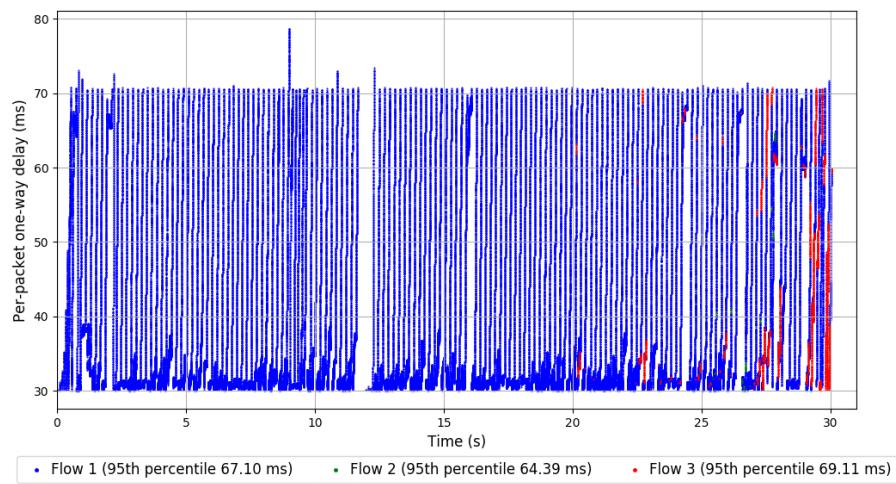
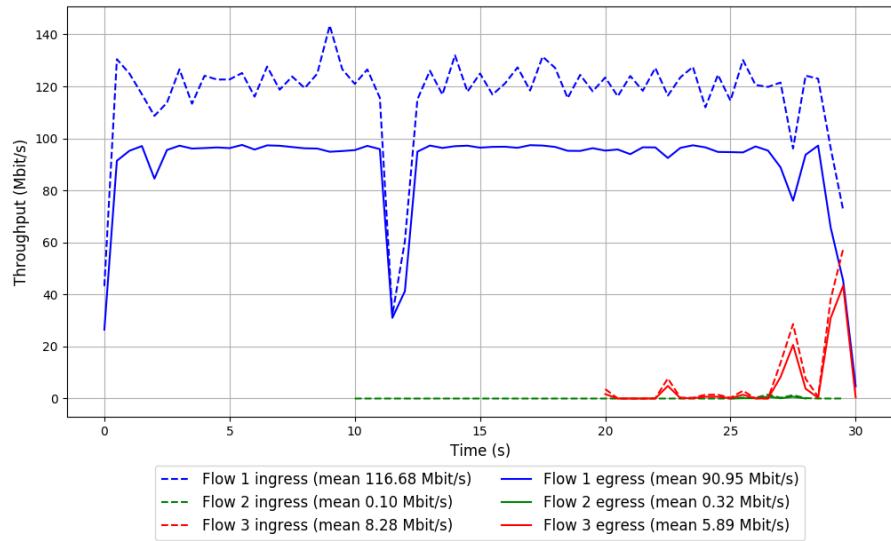


Run 10: Statistics of TCP BBR

```
Start at: 2017-12-06 01:46:27
End at: 2017-12-06 01:46:57
Local clock offset: -1.181 ms
Remote clock offset: -1.09 ms

# Below is generated by plot.py at 2017-12-06 02:17:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 67.125 ms
Loss rate: 22.14%
-- Flow 1:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 67.104 ms
Loss rate: 21.97%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 64.395 ms
Loss rate: 54.55%
-- Flow 3:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 69.107 ms
Loss rate: 28.66%
```

Run 10: Report of TCP BBR — Data Link

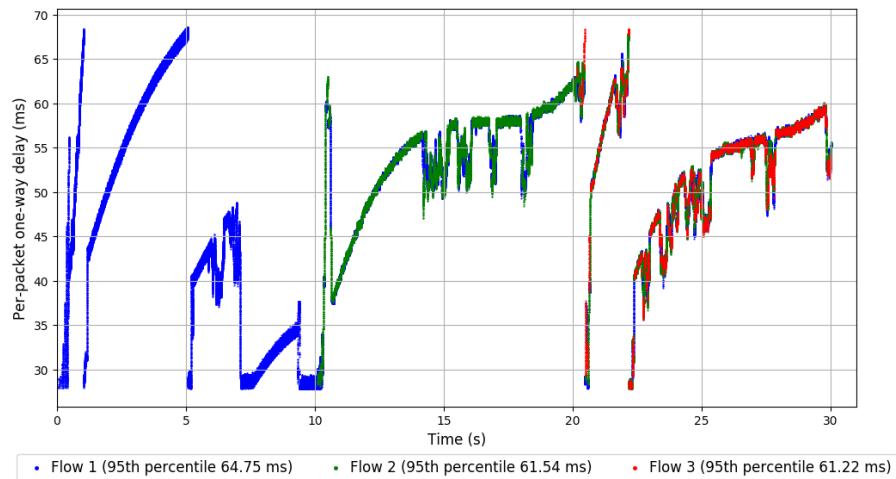
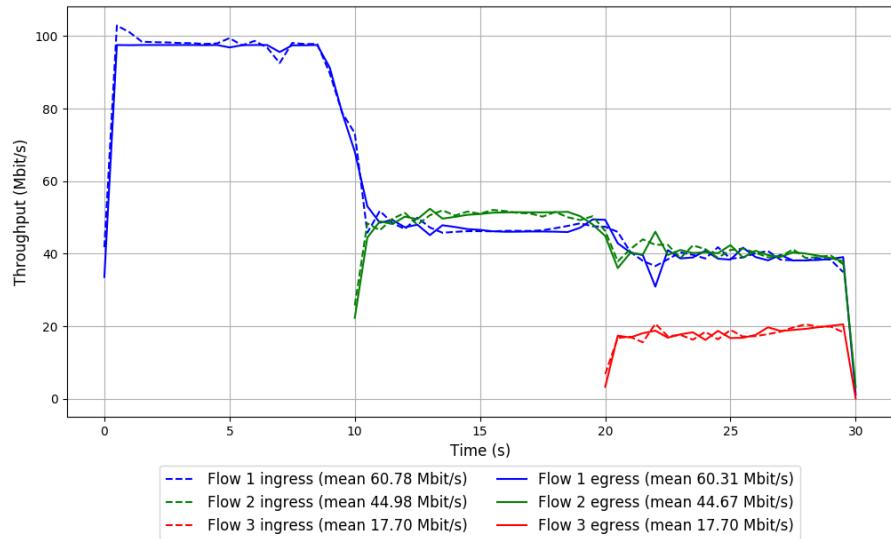


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-12-05 22:14:13
End at: 2017-12-05 22:14:43
Local clock offset: -0.379 ms
Remote clock offset: -4.334 ms

# Below is generated by plot.py at 2017-12-06 02:17:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 63.214 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 64.754 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 44.67 Mbit/s
95th percentile per-packet one-way delay: 61.538 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 17.70 Mbit/s
95th percentile per-packet one-way delay: 61.217 ms
Loss rate: 0.10%
```

Run 1: Report of TCP Cubic — Data Link

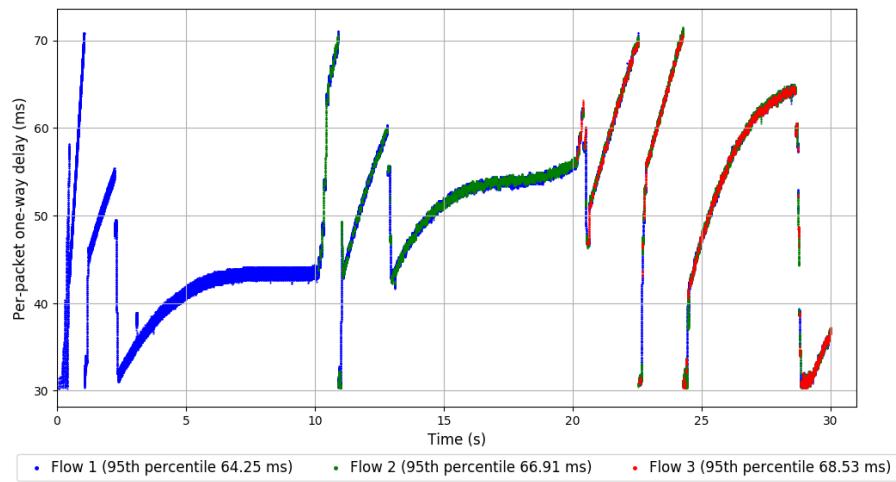
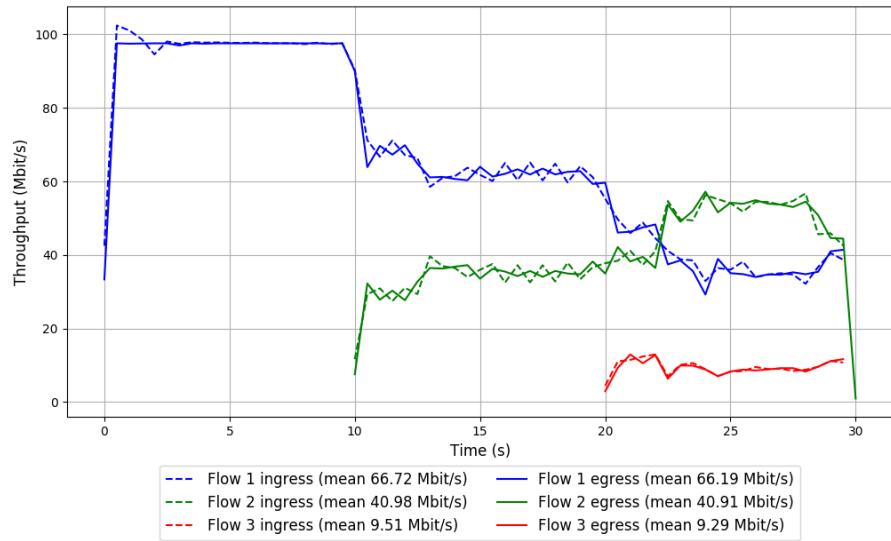


Run 2: Statistics of TCP Cubic

```
Start at: 2017-12-05 22:35:36
End at: 2017-12-05 22:36:06
Local clock offset: -0.251 ms
Remote clock offset: -1.101 ms

# Below is generated by plot.py at 2017-12-06 02:17:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 65.466 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 64.251 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 66.907 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 68.530 ms
Loss rate: 2.49%
```

Run 2: Report of TCP Cubic — Data Link

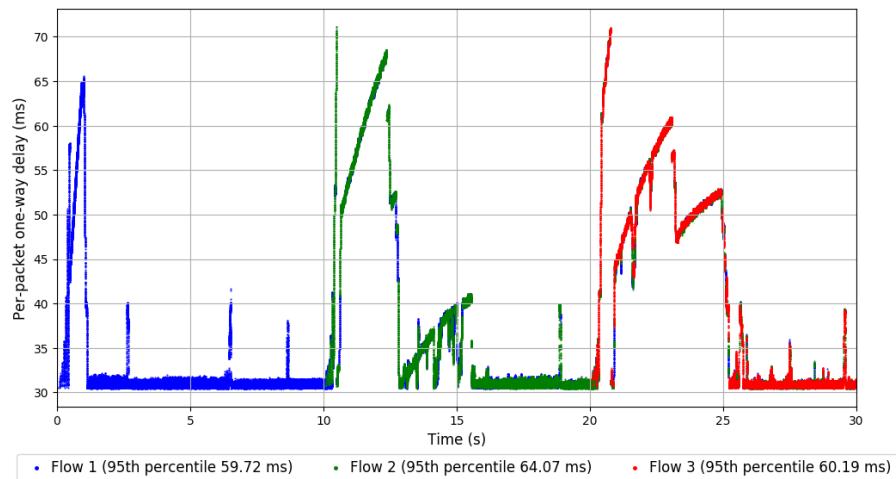
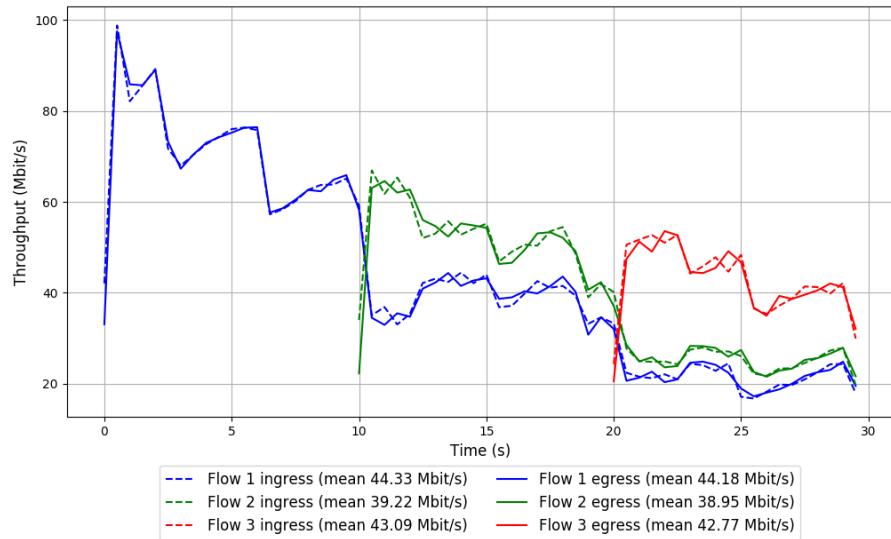


Run 3: Statistics of TCP Cubic

```
Start at: 2017-12-05 22:55:44
End at: 2017-12-05 22:56:14
Local clock offset: -0.345 ms
Remote clock offset: -1.043 ms

# Below is generated by plot.py at 2017-12-06 02:17:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 61.350 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 44.18 Mbit/s
95th percentile per-packet one-way delay: 59.721 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 64.067 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 60.191 ms
Loss rate: 0.75%
```

Run 3: Report of TCP Cubic — Data Link

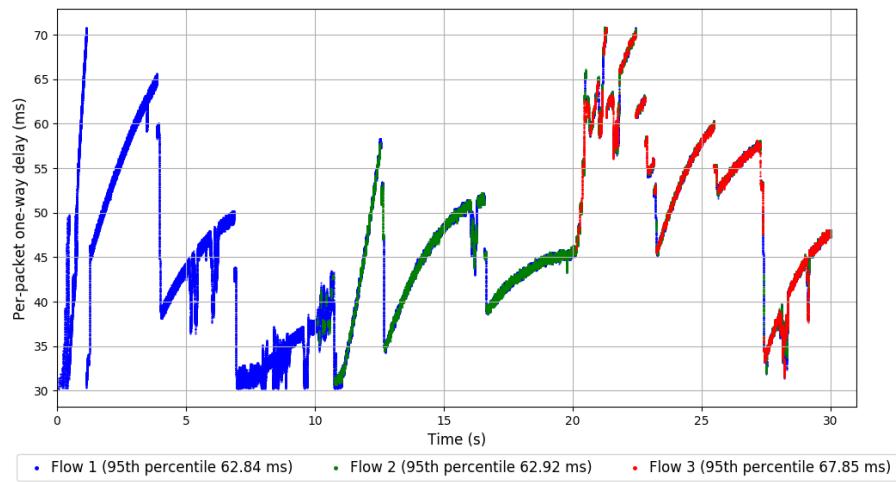
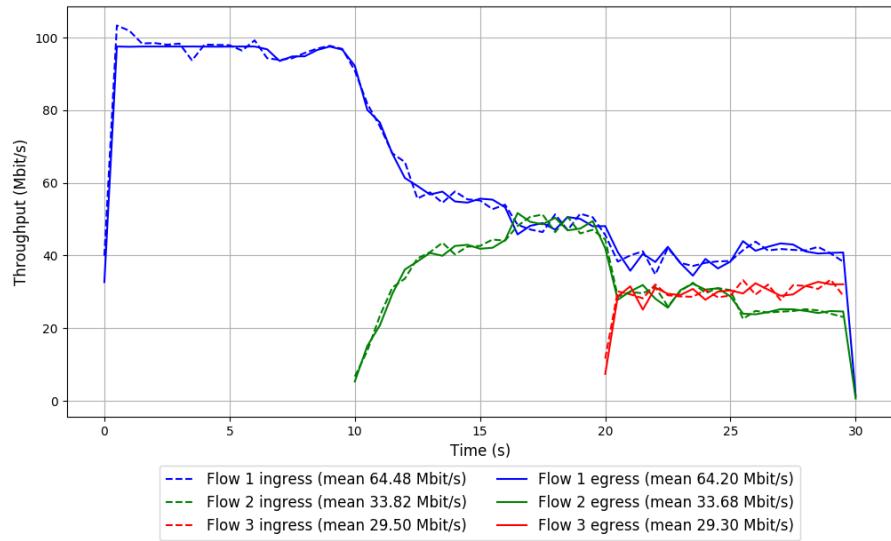


Run 4: Statistics of TCP Cubic

```
Start at: 2017-12-05 23:15:34
End at: 2017-12-05 23:16:04
Local clock offset: -0.258 ms
Remote clock offset: -1.394 ms

# Below is generated by plot.py at 2017-12-06 02:17:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 63.113 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 62.836 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 62.924 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 67.850 ms
Loss rate: 0.63%
```

Run 4: Report of TCP Cubic — Data Link

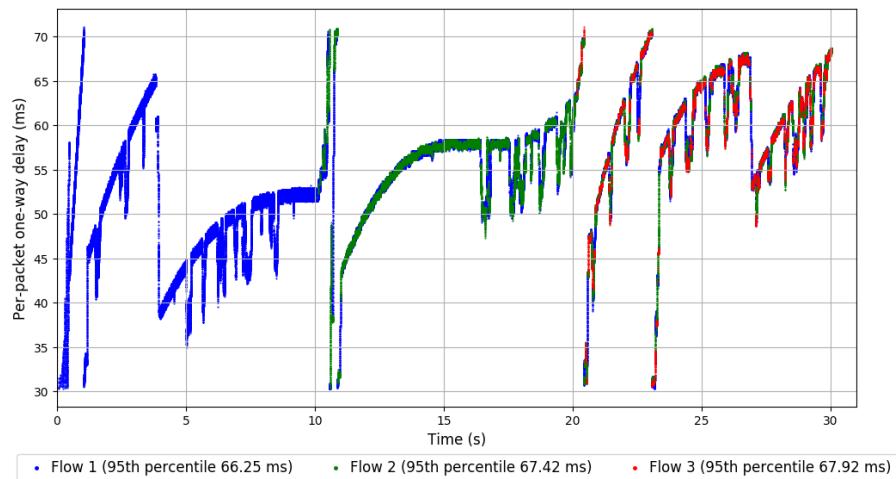
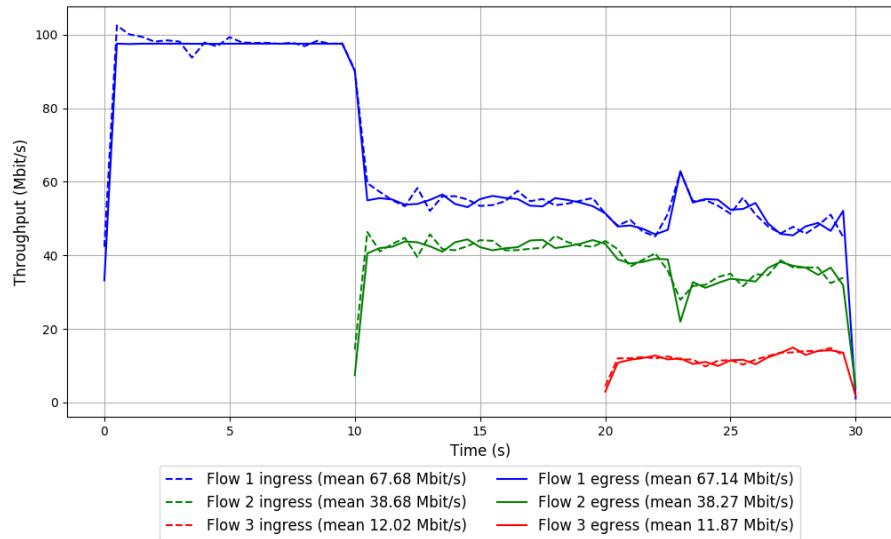


Run 5: Statistics of TCP Cubic

```
Start at: 2017-12-05 23:36:17
End at: 2017-12-05 23:36:47
Local clock offset: -0.277 ms
Remote clock offset: -2.063 ms

# Below is generated by plot.py at 2017-12-06 02:17:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 66.686 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 67.14 Mbit/s
95th percentile per-packet one-way delay: 66.250 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 67.420 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 67.923 ms
Loss rate: 1.17%
```

Run 5: Report of TCP Cubic — Data Link

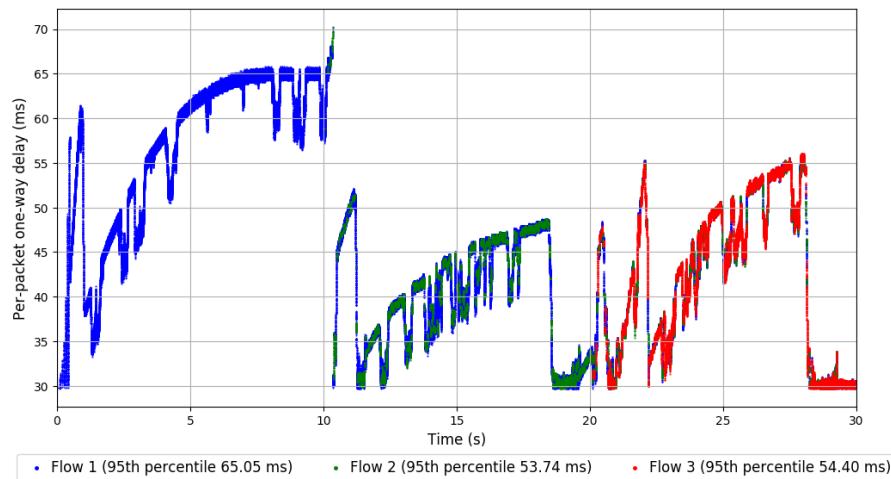
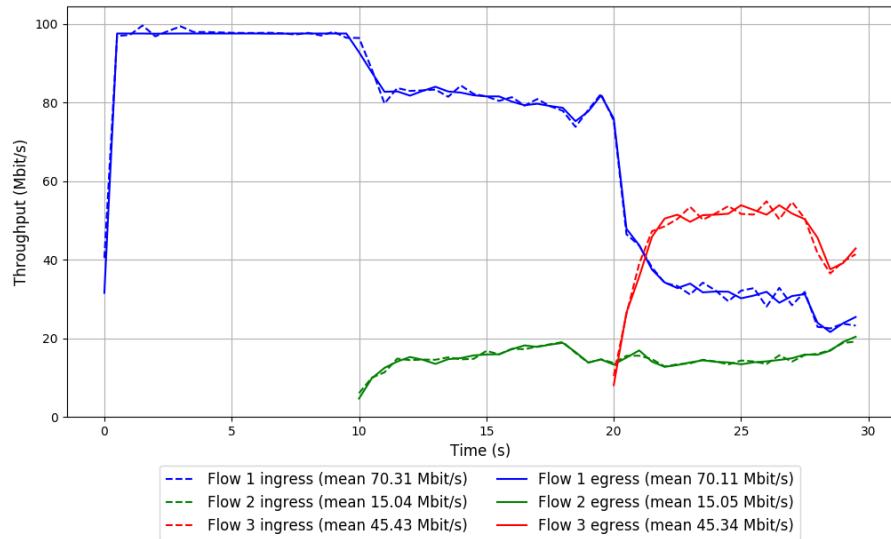


Run 6: Statistics of TCP Cubic

```
Start at: 2017-12-05 23:58:27
End at: 2017-12-05 23:58:57
Local clock offset: -0.307 ms
Remote clock offset: -2.453 ms

# Below is generated by plot.py at 2017-12-06 02:17:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 64.840 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 65.049 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 53.744 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 54.402 ms
Loss rate: 0.23%
```

Run 6: Report of TCP Cubic — Data Link

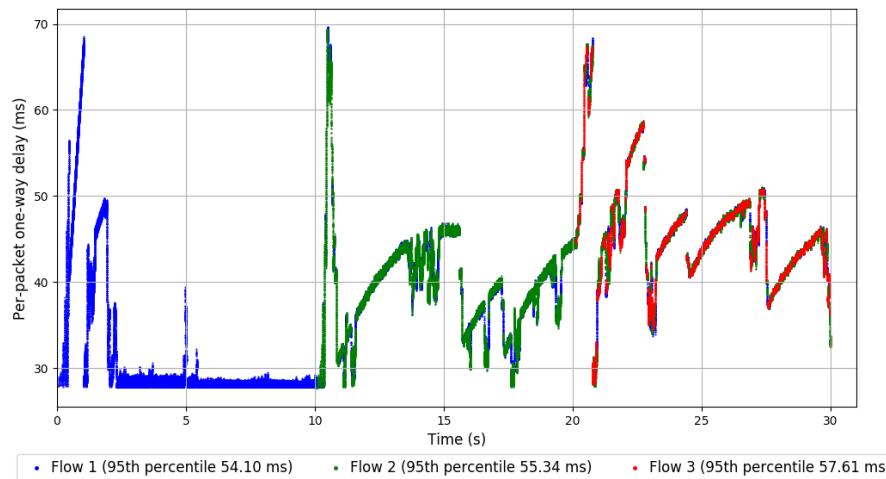
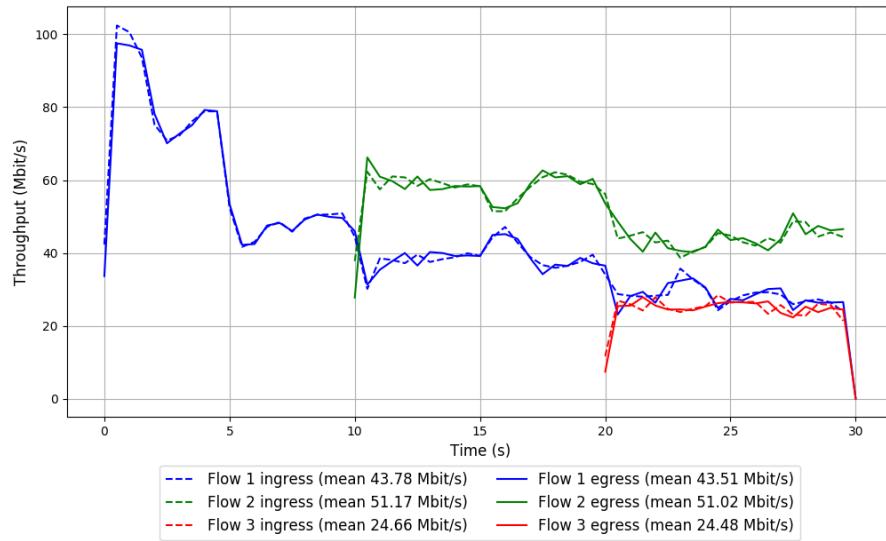


Run 7: Statistics of TCP Cubic

```
Start at: 2017-12-06 00:20:30
End at: 2017-12-06 00:21:00
Local clock offset: -0.493 ms
Remote clock offset: -3.83 ms

# Below is generated by plot.py at 2017-12-06 02:18:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 55.158 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 54.105 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 51.02 Mbit/s
95th percentile per-packet one-way delay: 55.340 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 57.611 ms
Loss rate: 0.87%
```

Run 7: Report of TCP Cubic — Data Link

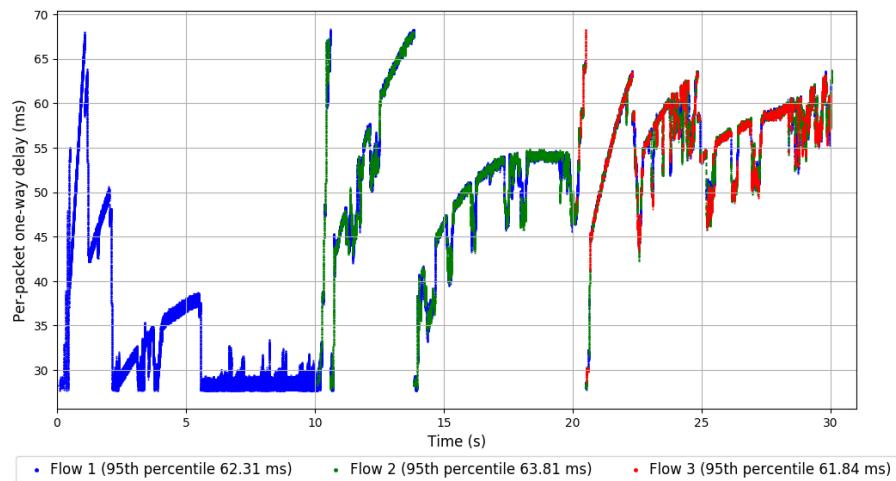
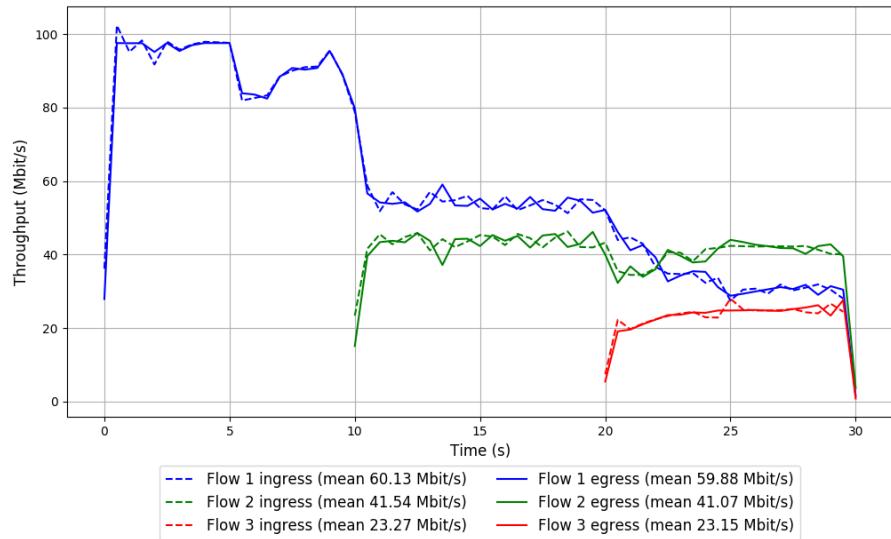


Run 8: Statistics of TCP Cubic

```
Start at: 2017-12-06 00:41:48
End at: 2017-12-06 00:42:18
Local clock offset: -0.503 ms
Remote clock offset: -3.099 ms

# Below is generated by plot.py at 2017-12-06 02:18:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 62.697 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 59.88 Mbit/s
95th percentile per-packet one-way delay: 62.309 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 63.811 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 61.845 ms
Loss rate: 0.43%
```

Run 8: Report of TCP Cubic — Data Link

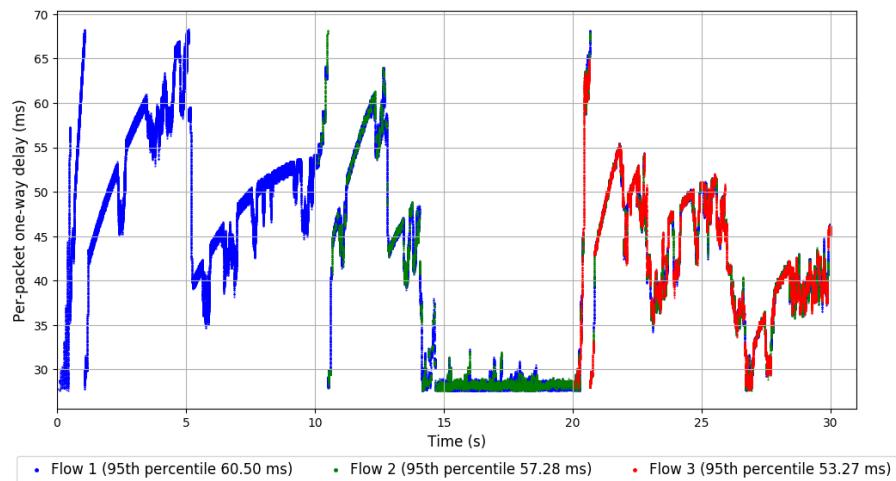
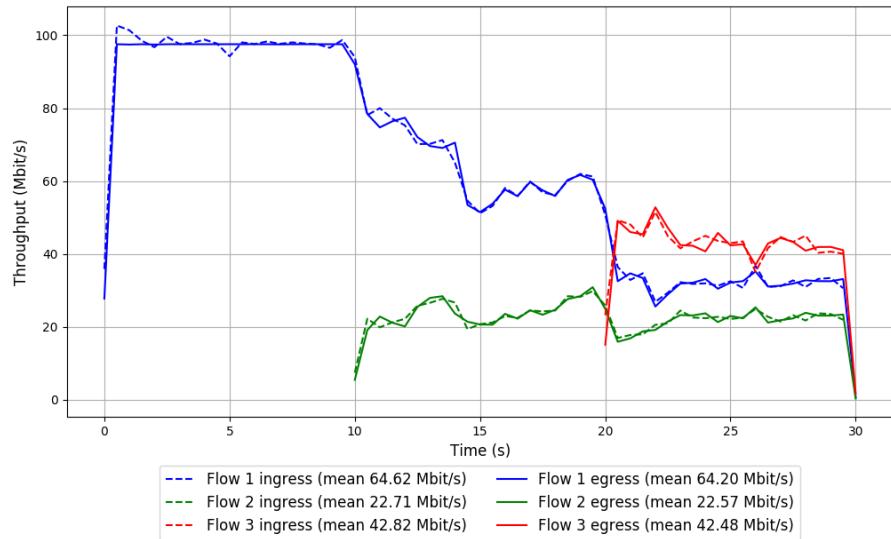


Run 9: Statistics of TCP Cubic

```
Start at: 2017-12-06 01:03:31
End at: 2017-12-06 01:04:01
Local clock offset: -0.661 ms
Remote clock offset: -2.837 ms

# Below is generated by plot.py at 2017-12-06 02:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 59.892 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 60.504 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 57.285 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 53.270 ms
Loss rate: 0.62%
```

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

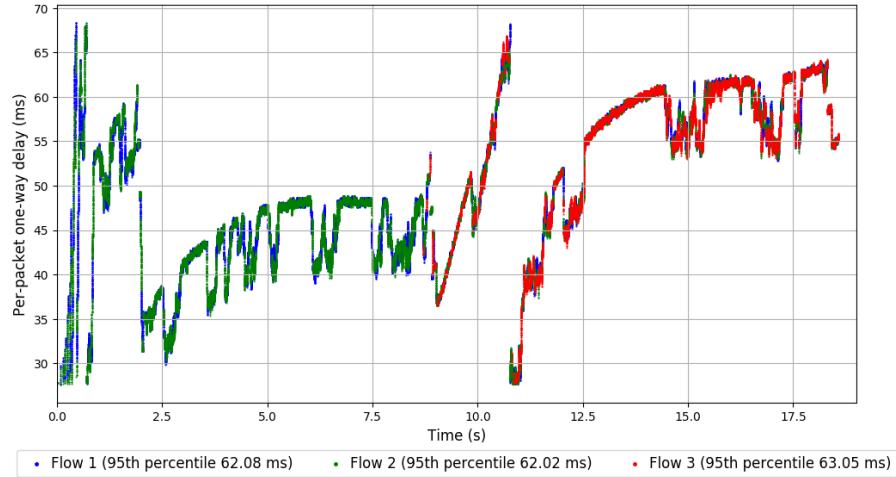
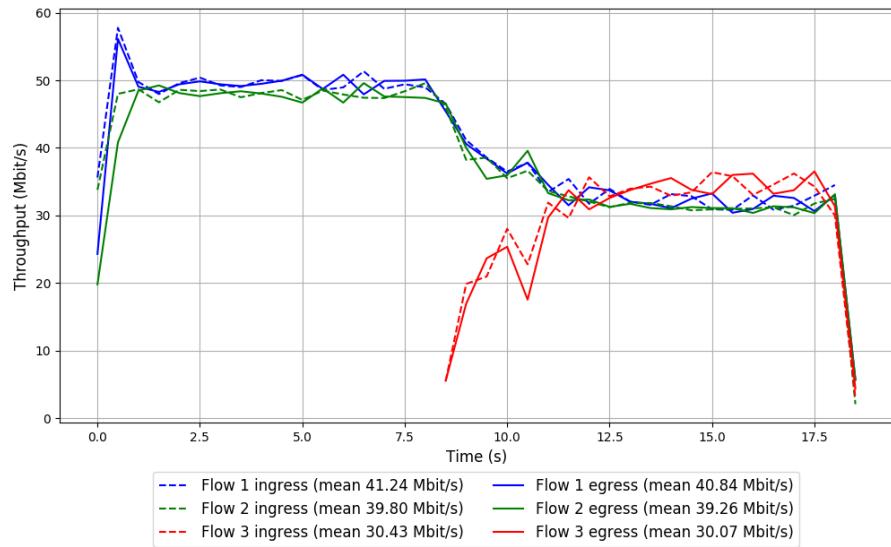
Start at: 2017-12-06 01:28:55

End at: 2017-12-06 01:29:25

Local clock offset: -0.885 ms

Remote clock offset: -3.042 ms

Run 10: Report of TCP Cubic — Data Link

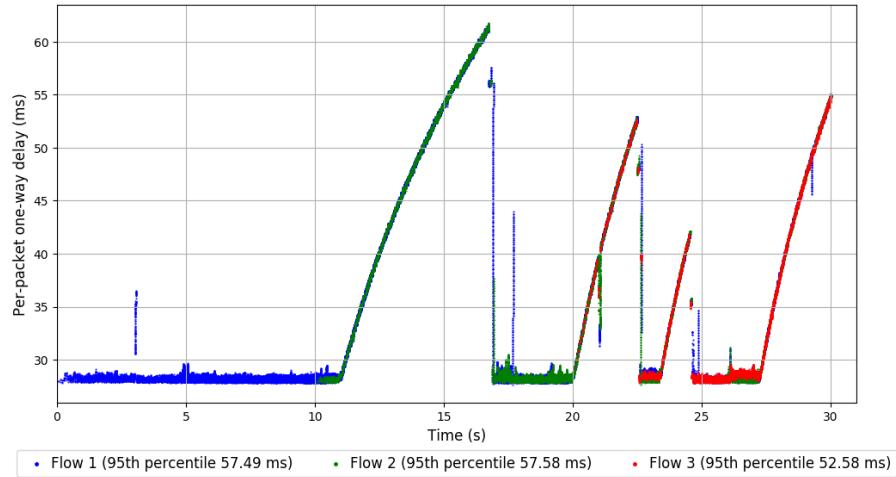
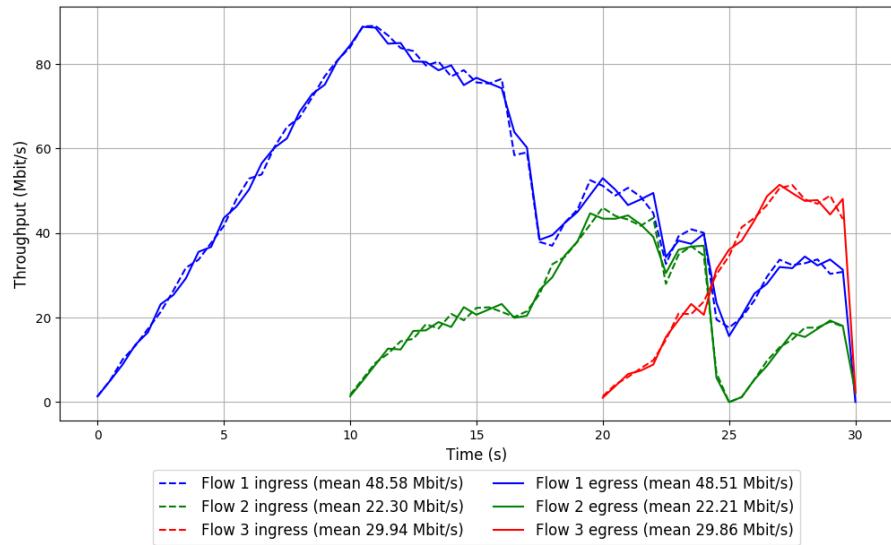


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-12-05 22:24:08
End at: 2017-12-05 22:24:38
Local clock offset: -0.357 ms
Remote clock offset: -3.912 ms

# Below is generated by plot.py at 2017-12-06 02:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.22 Mbit/s
95th percentile per-packet one-way delay: 56.806 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 57.495 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 57.581 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 52.583 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

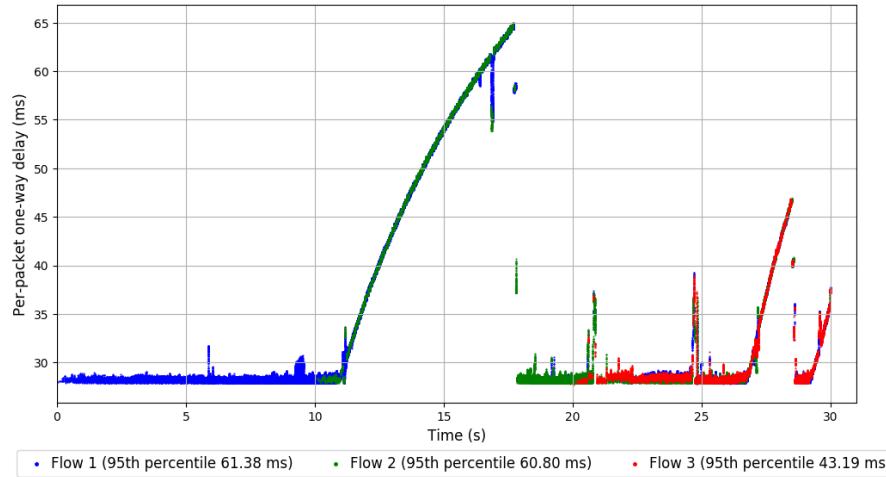
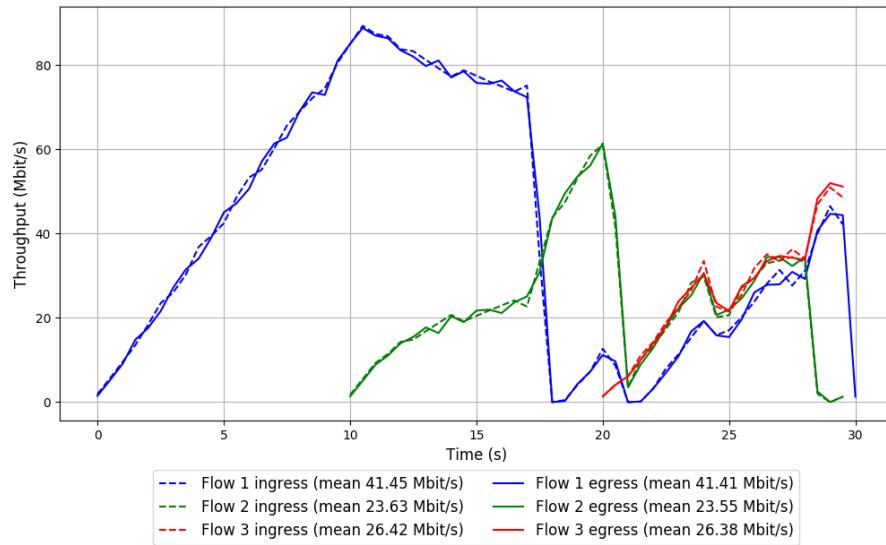


Run 2: Statistics of LEDBAT

```
Start at: 2017-12-05 22:44:24
End at: 2017-12-05 22:44:54
Local clock offset: -0.341 ms
Remote clock offset: -3.554 ms

# Below is generated by plot.py at 2017-12-06 02:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.83 Mbit/s
95th percentile per-packet one-way delay: 60.735 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 61.378 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 60.800 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 43.191 ms
Loss rate: 0.05%
```

Run 2: Report of LEDBAT — Data Link

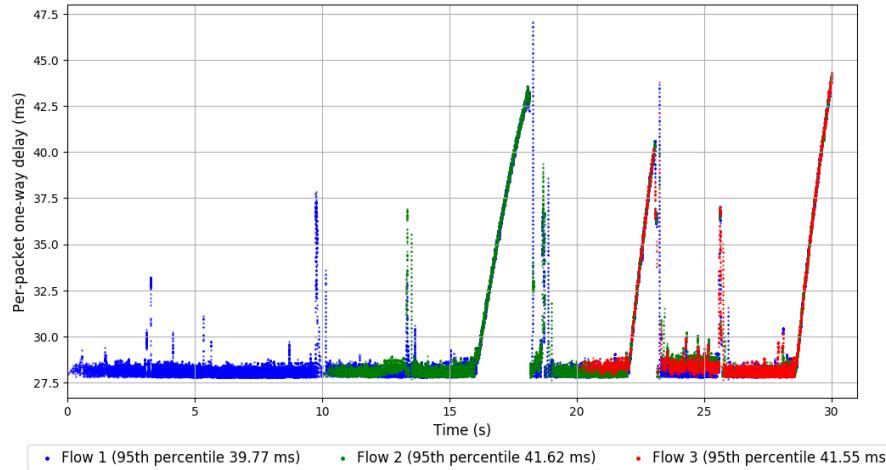
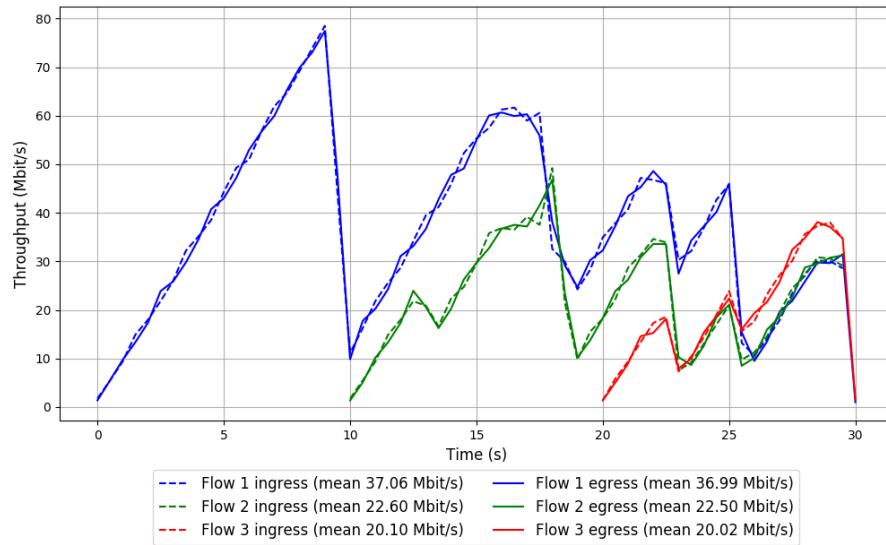


Run 3: Statistics of LEDBAT

```
Start at: 2017-12-05 23:04:29
End at: 2017-12-05 23:04:59
Local clock offset: -0.273 ms
Remote clock offset: -3.671 ms

# Below is generated by plot.py at 2017-12-06 02:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 40.598 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 39.765 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 41.625 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 41.548 ms
Loss rate: 0.26%
```

Run 3: Report of LEDBAT — Data Link

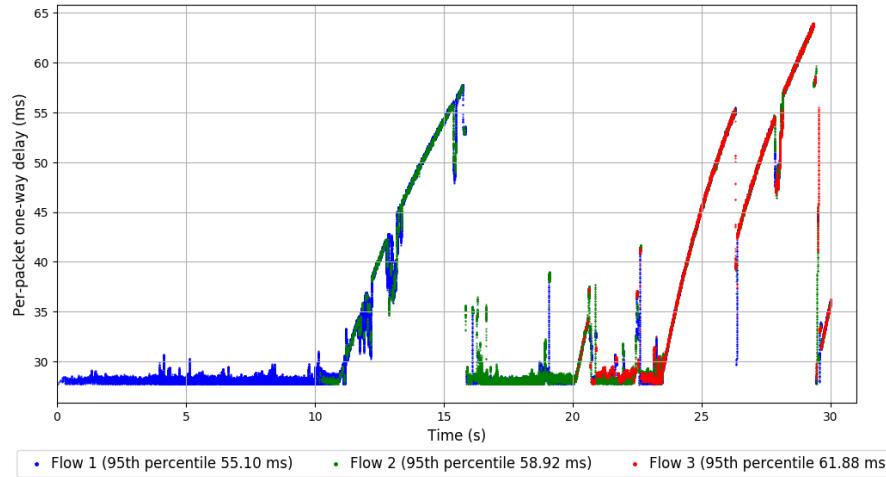
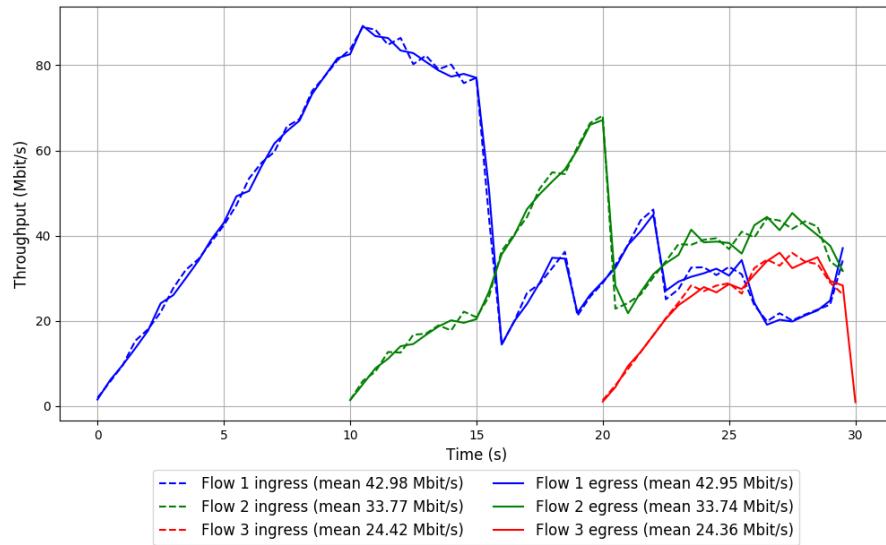


Run 4: Statistics of LEDBAT

```
Start at: 2017-12-05 23:24:44
End at: 2017-12-05 23:25:14
Local clock offset: -0.353 ms
Remote clock offset: -4.334 ms

# Below is generated by plot.py at 2017-12-06 02:18:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 57.729 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.95 Mbit/s
95th percentile per-packet one-way delay: 55.096 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 58.923 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 61.879 ms
Loss rate: 0.15%
```

Run 4: Report of LEDBAT — Data Link

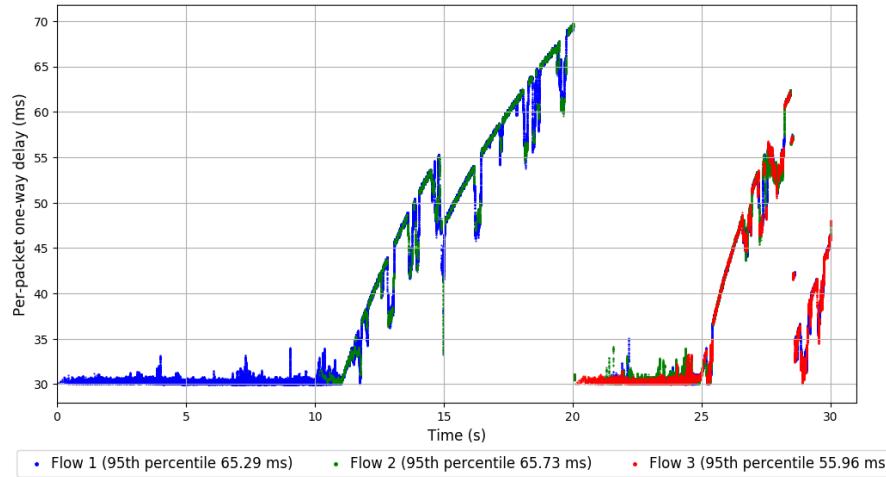
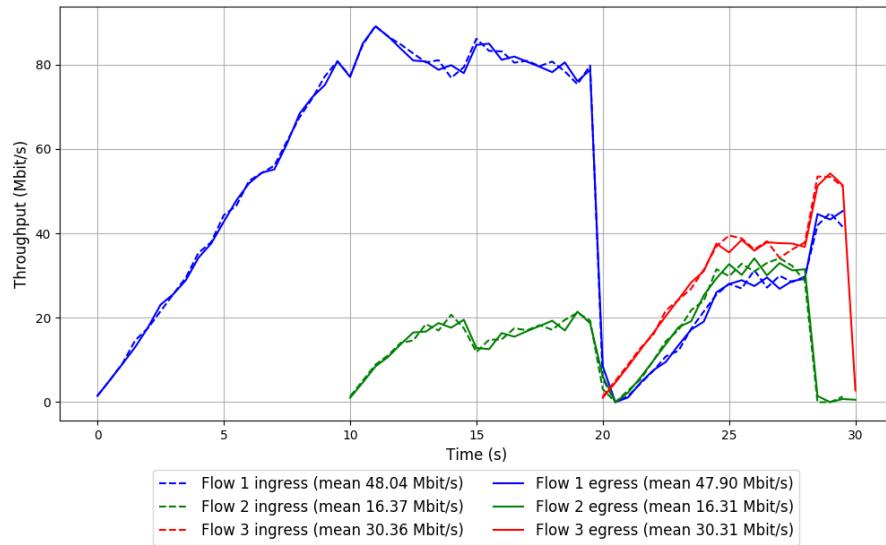


Run 5: Statistics of LEDBAT

```
Start at: 2017-12-05 23:46:24
End at: 2017-12-05 23:46:54
Local clock offset: -0.395 ms
Remote clock offset: -2.461 ms

# Below is generated by plot.py at 2017-12-06 02:18:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 64.825 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 65.293 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 16.31 Mbit/s
95th percentile per-packet one-way delay: 65.731 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 55.959 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

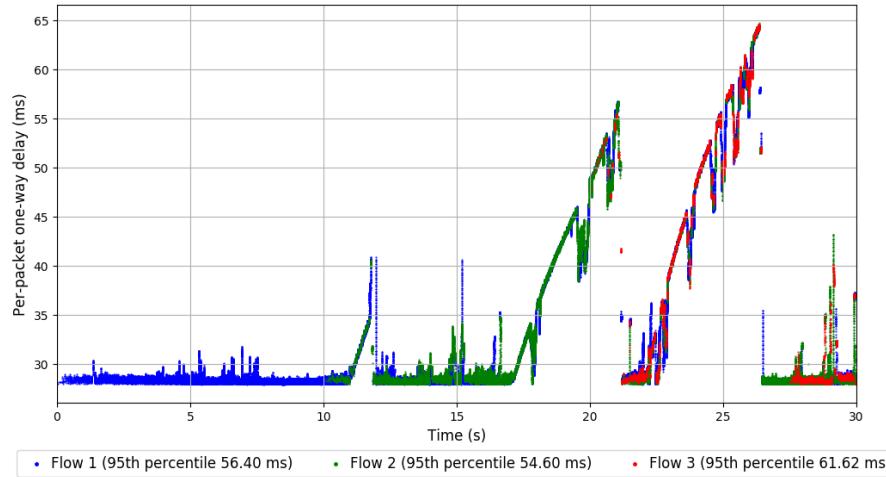
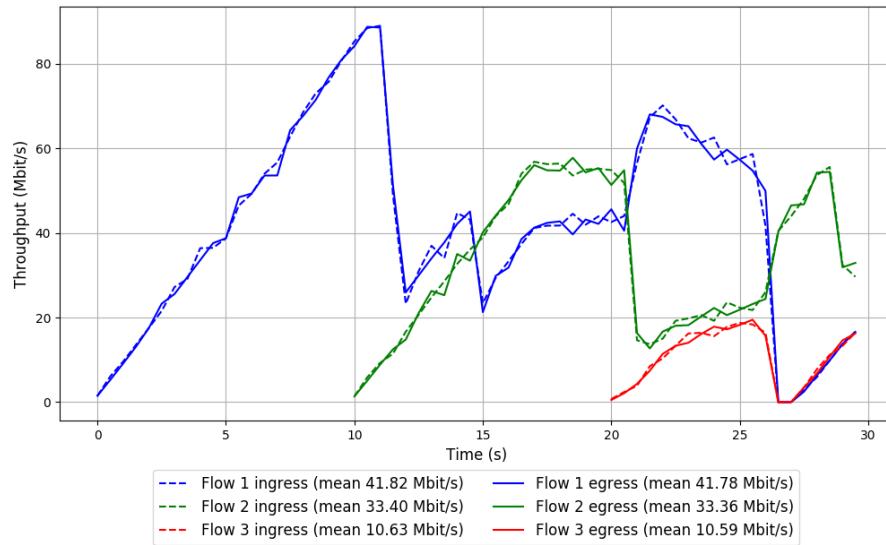


Run 6: Statistics of LEDBAT

```
Start at: 2017-12-06 00:08:35
End at: 2017-12-06 00:09:05
Local clock offset: -0.451 ms
Remote clock offset: -4.121 ms

# Below is generated by plot.py at 2017-12-06 02:19:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.46 Mbit/s
95th percentile per-packet one-way delay: 56.726 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 56.401 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 54.604 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 61.615 ms
Loss rate: 0.59%
```

Run 6: Report of LEDBAT — Data Link

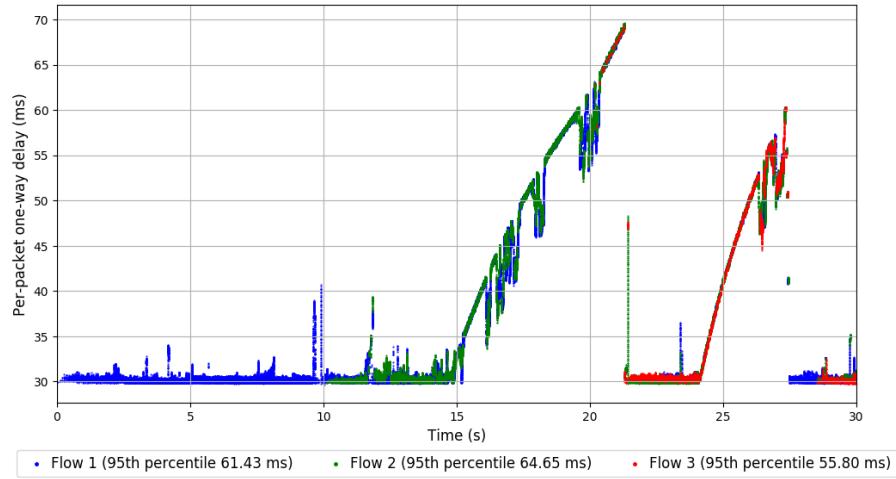
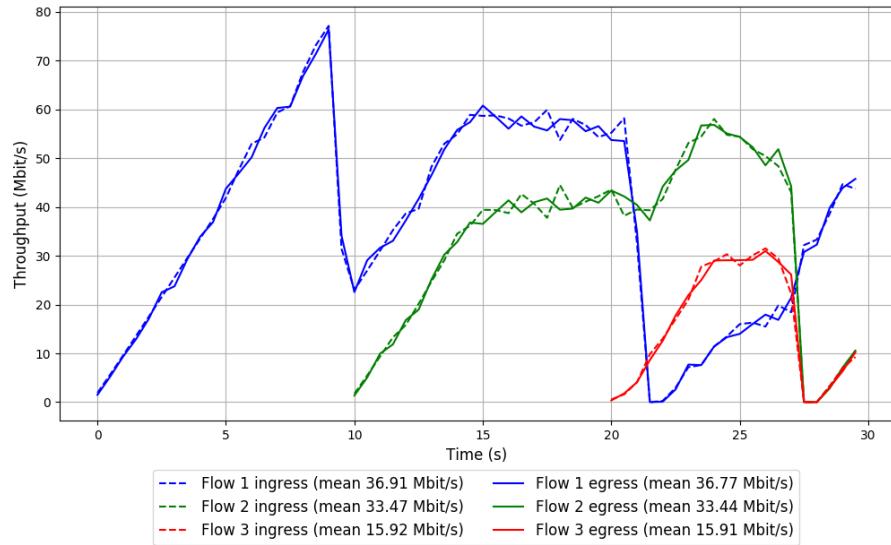


Run 7: Statistics of LEDBAT

```
Start at: 2017-12-06 00:30:04
End at: 2017-12-06 00:30:34
Local clock offset: -0.535 ms
Remote clock offset: -1.472 ms

# Below is generated by plot.py at 2017-12-06 02:19:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 62.285 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 61.430 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 64.654 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 55.804 ms
Loss rate: 0.32%
```

Run 7: Report of LEDBAT — Data Link

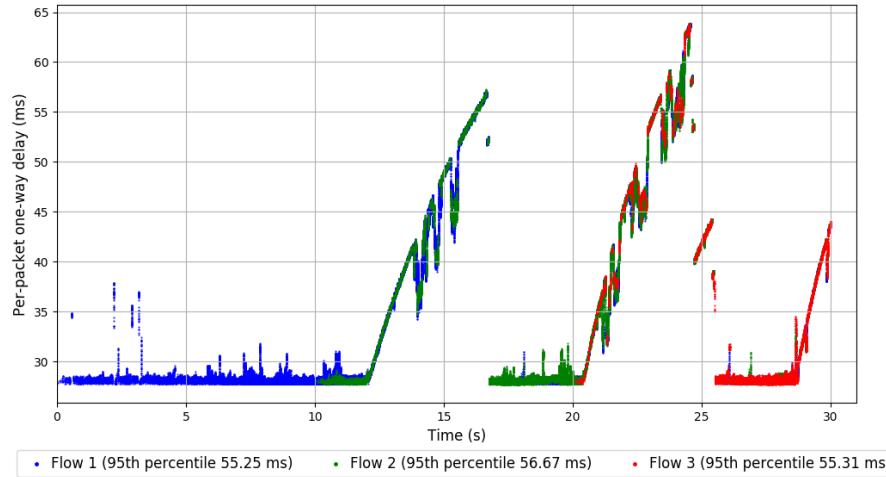
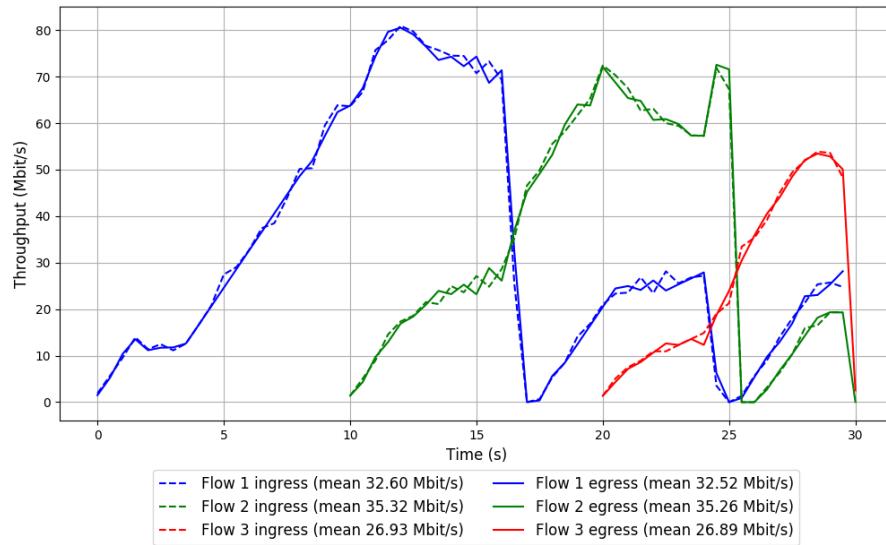


Run 8: Statistics of LEDBAT

```
Start at: 2017-12-06 00:51:06
End at: 2017-12-06 00:51:36
Local clock offset: -0.677 ms
Remote clock offset: -2.95 ms

# Below is generated by plot.py at 2017-12-06 02:19:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.92 Mbit/s
95th percentile per-packet one-way delay: 55.935 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 55.246 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 56.669 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 55.312 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

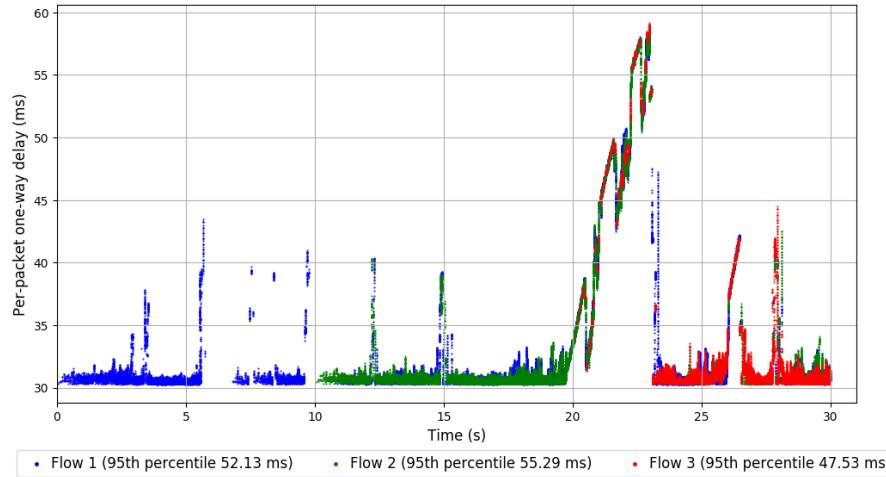
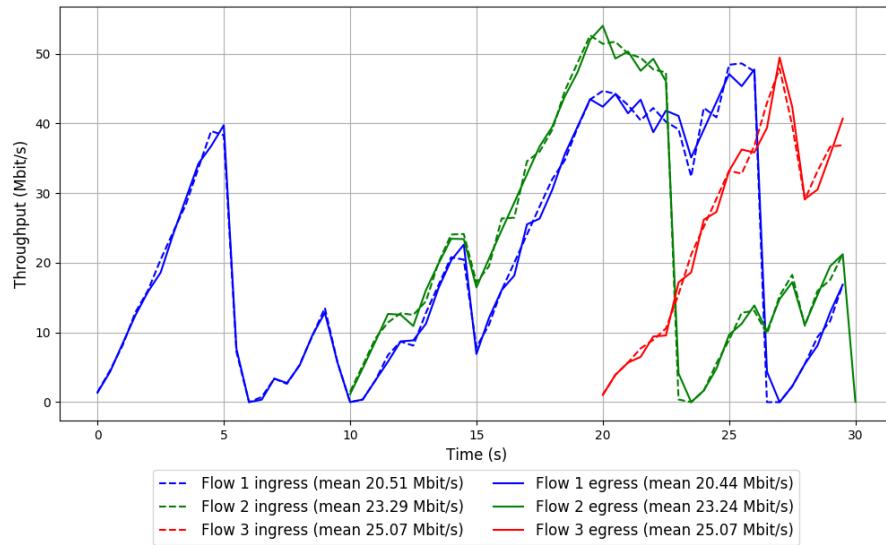


Run 9: Statistics of LEDBAT

```
Start at: 2017-12-06 01:15:31
End at: 2017-12-06 01:16:01
Local clock offset: -0.843 ms
Remote clock offset: -0.334 ms

# Below is generated by plot.py at 2017-12-06 02:19:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.22 Mbit/s
95th percentile per-packet one-way delay: 53.312 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 52.130 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 55.291 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 47.534 ms
Loss rate: 0.03%
```

Run 9: Report of LEDBAT — Data Link

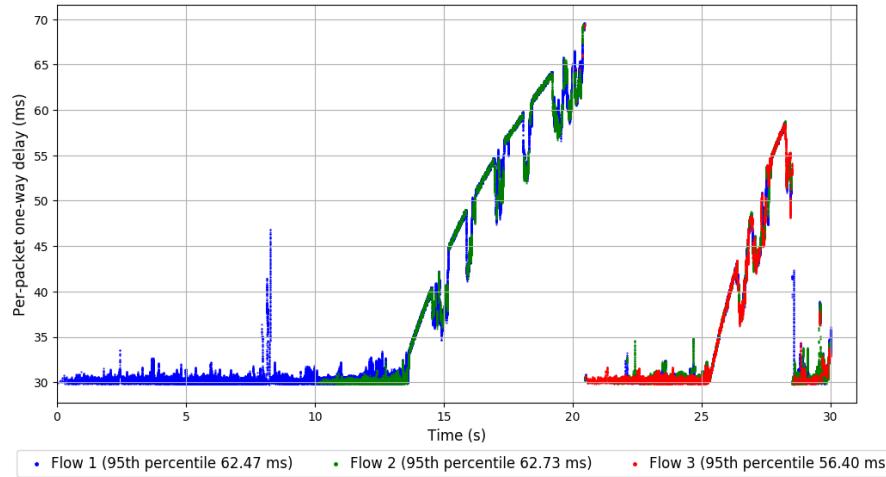
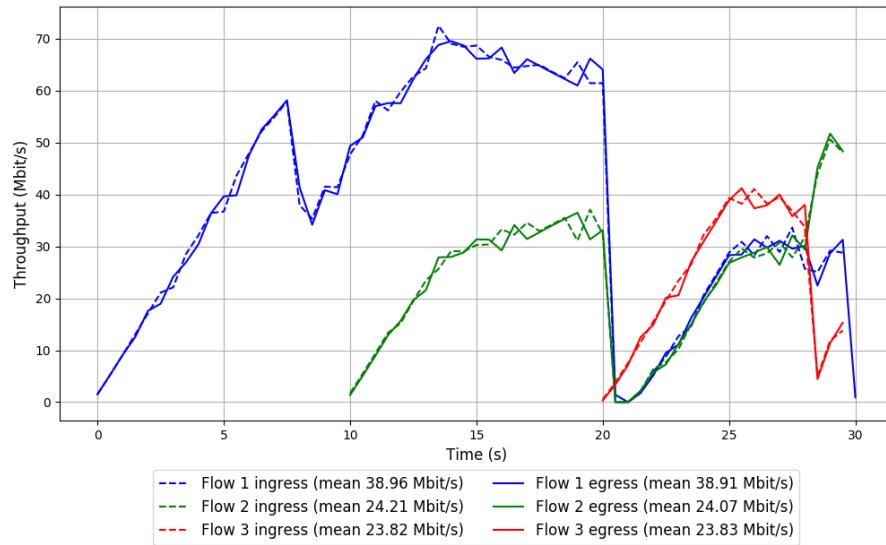


Run 10: Statistics of LEDBAT

```
Start at: 2017-12-06 01:40:15
End at: 2017-12-06 01:40:45
Local clock offset: -1.127 ms
Remote clock offset: -1.156 ms

# Below is generated by plot.py at 2017-12-06 02:19:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 62.247 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 62.465 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 62.730 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 56.402 ms
Loss rate: 0.28%
```

Run 10: Report of LEDBAT — Data Link

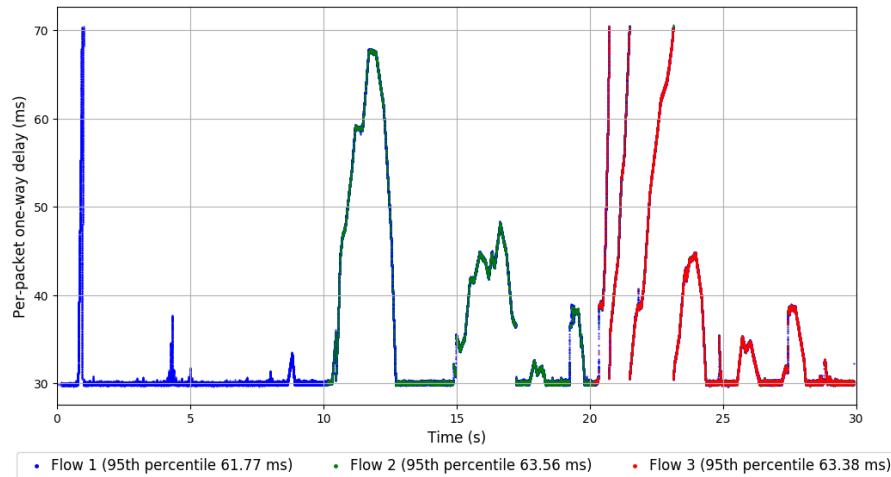
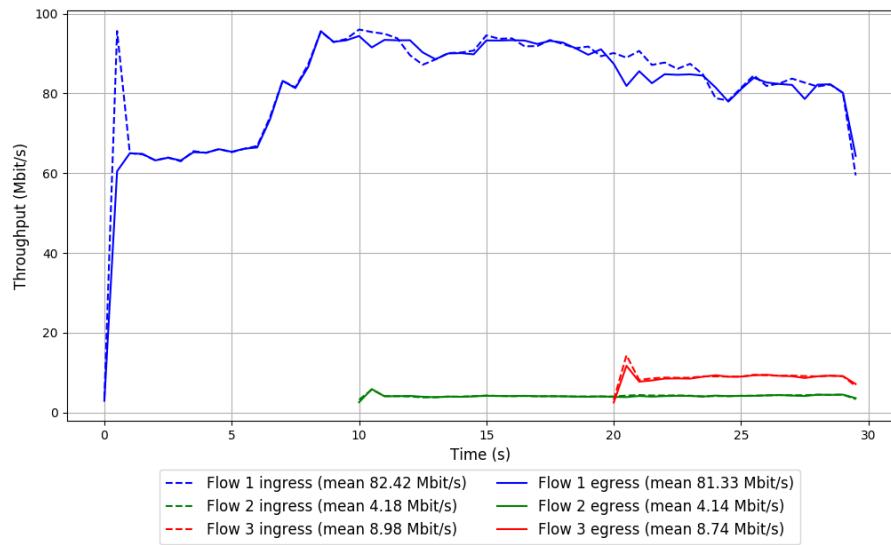


Run 1: Statistics of PCC

```
Start at: 2017-12-05 22:19:20
End at: 2017-12-05 22:19:50
Local clock offset: -0.36 ms
Remote clock offset: -2.123 ms

# Below is generated by plot.py at 2017-12-06 02:19:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 62.002 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 61.768 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 63.565 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 8.74 Mbit/s
95th percentile per-packet one-way delay: 63.375 ms
Loss rate: 2.74%
```

Run 1: Report of PCC — Data Link

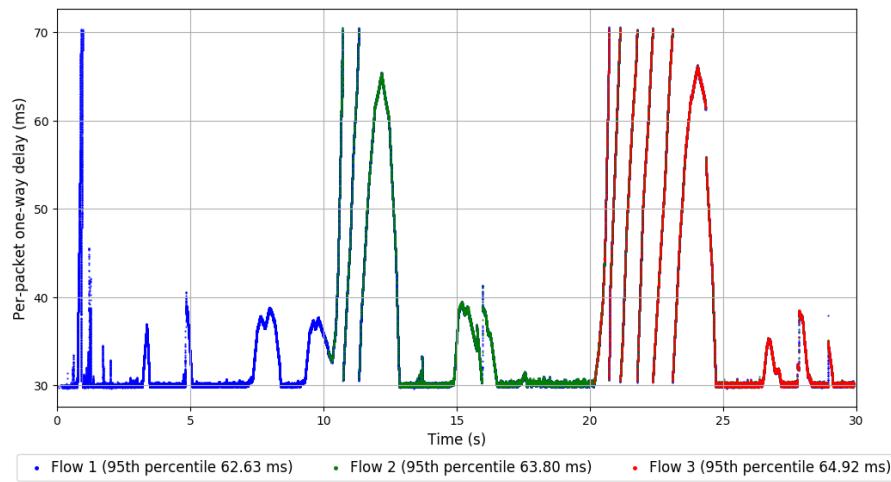
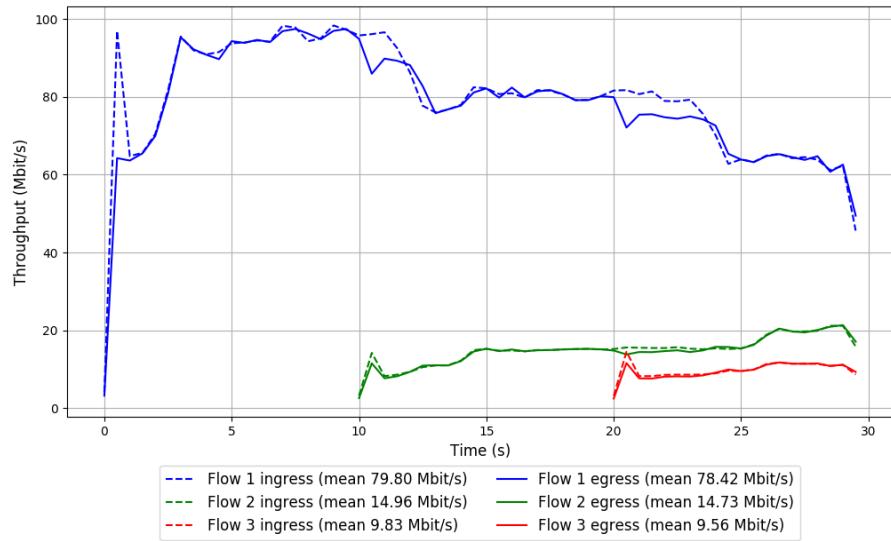


Run 2: Statistics of PCC

```
Start at: 2017-12-05 22:40:01
End at: 2017-12-05 22:40:31
Local clock offset: -0.277 ms
Remote clock offset: -1.54 ms

# Below is generated by plot.py at 2017-12-06 02:19:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 62.866 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 62.626 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 63.795 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 64.920 ms
Loss rate: 2.76%
```

Run 2: Report of PCC — Data Link

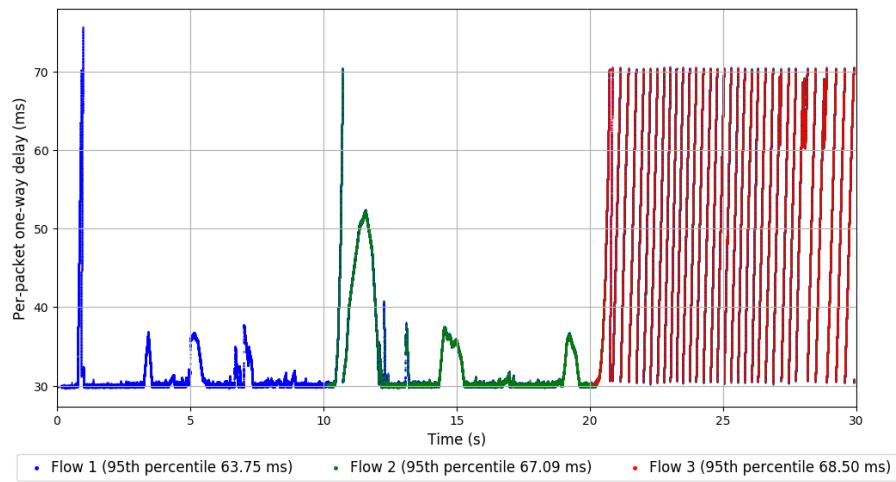
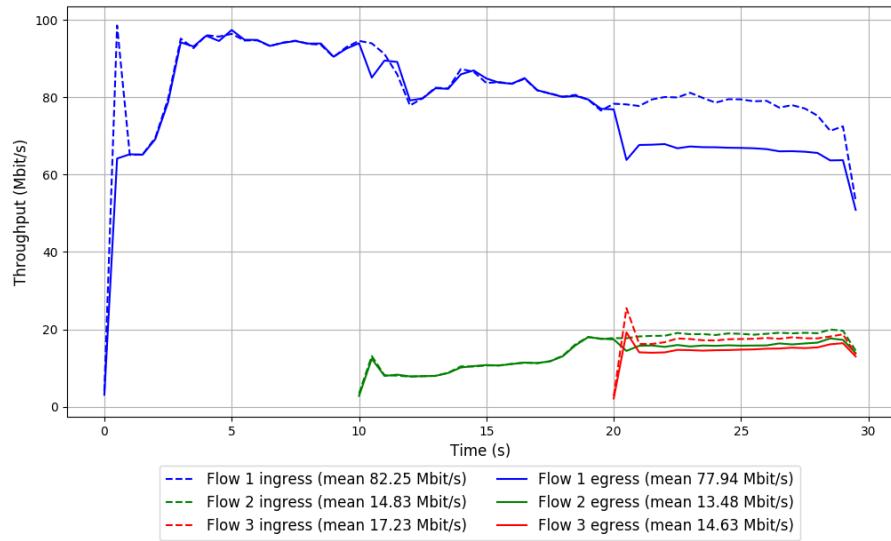


Run 3: Statistics of PCC

```
Start at: 2017-12-05 23:00:09
End at: 2017-12-05 23:00:39
Local clock offset: -0.271 ms
Remote clock offset: -1.598 ms

# Below is generated by plot.py at 2017-12-06 02:20:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 65.038 ms
Loss rate: 6.19%
-- Flow 1:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 63.753 ms
Loss rate: 5.23%
-- Flow 2:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 67.090 ms
Loss rate: 9.05%
-- Flow 3:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 68.505 ms
Loss rate: 15.08%
```

Run 3: Report of PCC — Data Link

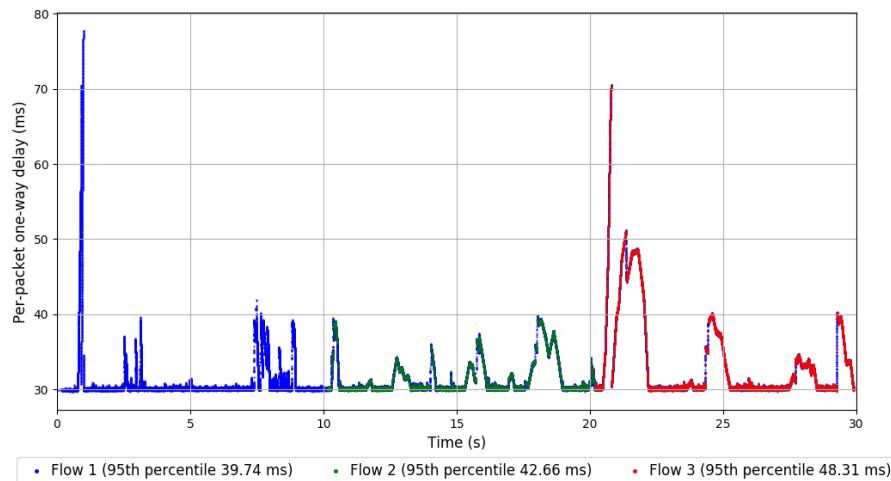
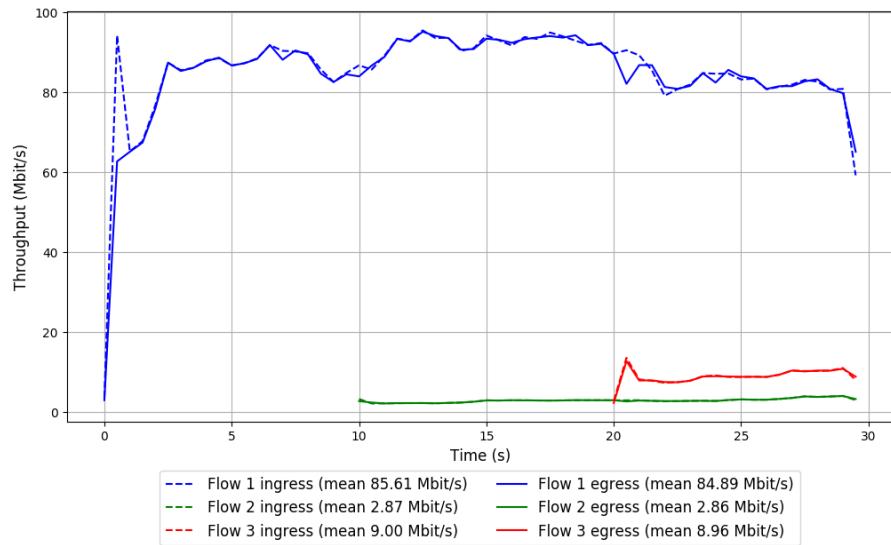


Run 4: Statistics of PCC

```
Start at: 2017-12-05 23:20:18
End at: 2017-12-05 23:20:48
Local clock offset: -0.26 ms
Remote clock offset: -1.967 ms

# Below is generated by plot.py at 2017-12-06 02:20:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 40.112 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 39.737 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 42.664 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 48.310 ms
Loss rate: 0.51%
```

Run 4: Report of PCC — Data Link

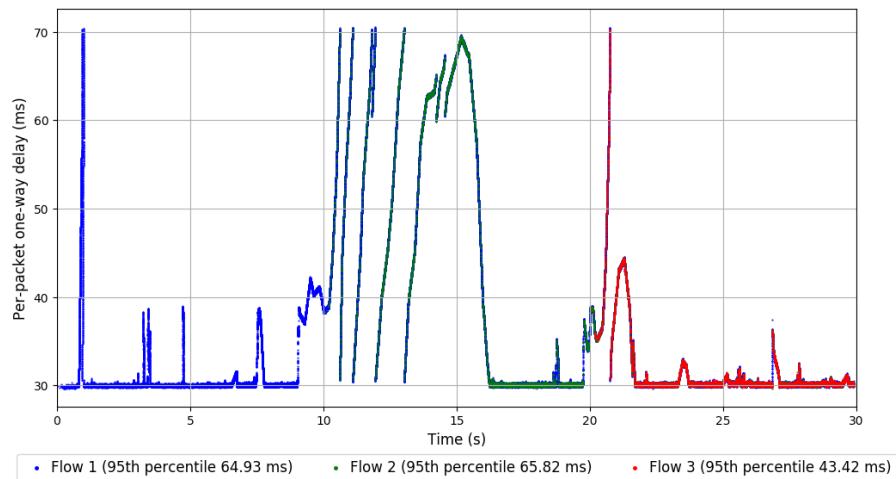
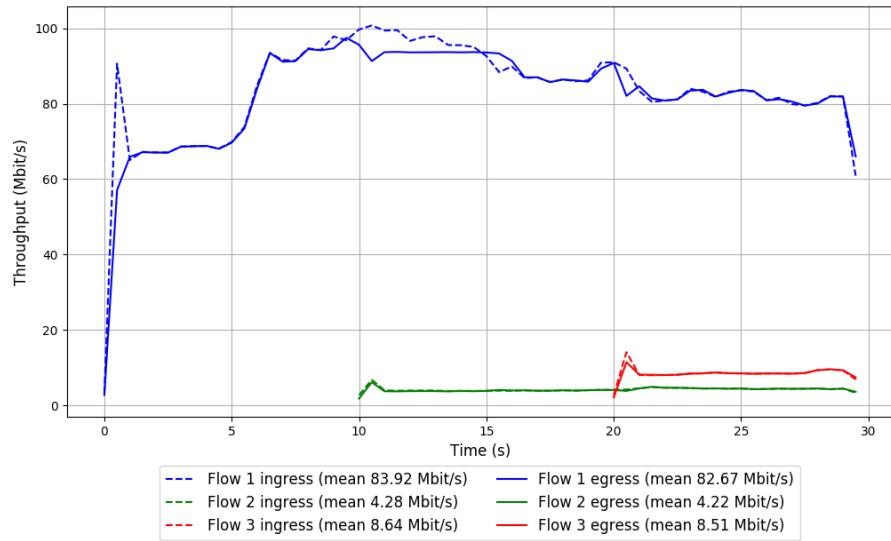


Run 5: Statistics of PCC

```
Start at: 2017-12-05 23:41:06
End at: 2017-12-05 23:41:36
Local clock offset: -0.301 ms
Remote clock offset: -2.6 ms

# Below is generated by plot.py at 2017-12-06 02:20:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 64.849 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 64.929 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 65.823 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 43.421 ms
Loss rate: 1.53%
```

Run 5: Report of PCC — Data Link

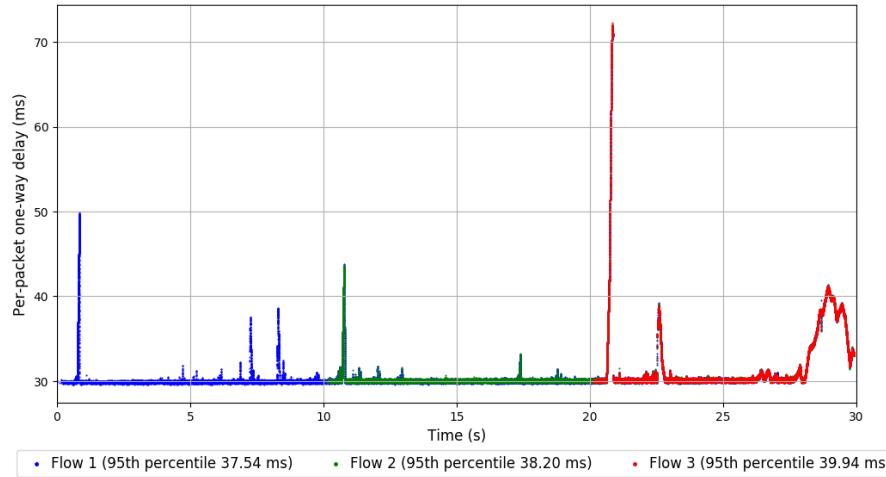
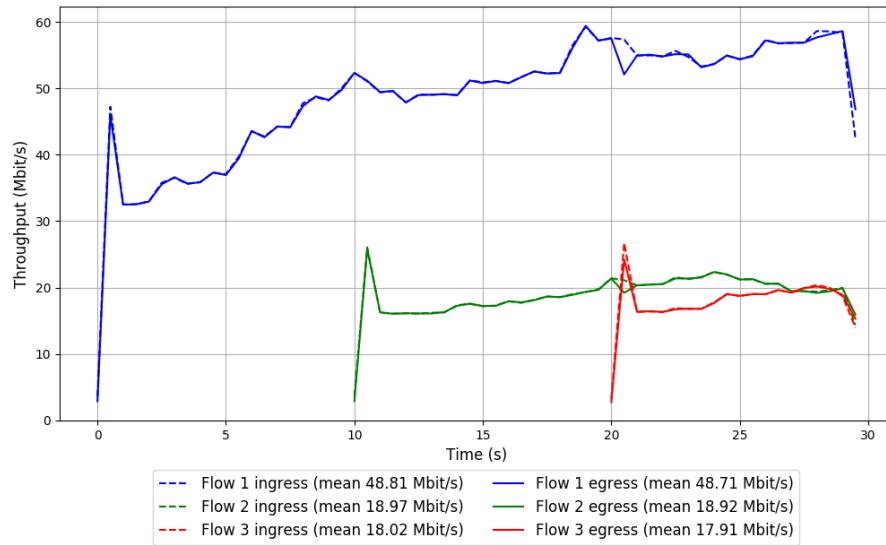


Run 6: Statistics of PCC

```
Start at: 2017-12-06 00:03:42
End at: 2017-12-06 00:04:12
Local clock offset: -0.34 ms
Remote clock offset: -2.235 ms

# Below is generated by plot.py at 2017-12-06 02:20:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.19 Mbit/s
95th percentile per-packet one-way delay: 38.106 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 37.537 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 18.92 Mbit/s
95th percentile per-packet one-way delay: 38.204 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: 39.939 ms
Loss rate: 0.59%
```

Run 6: Report of PCC — Data Link

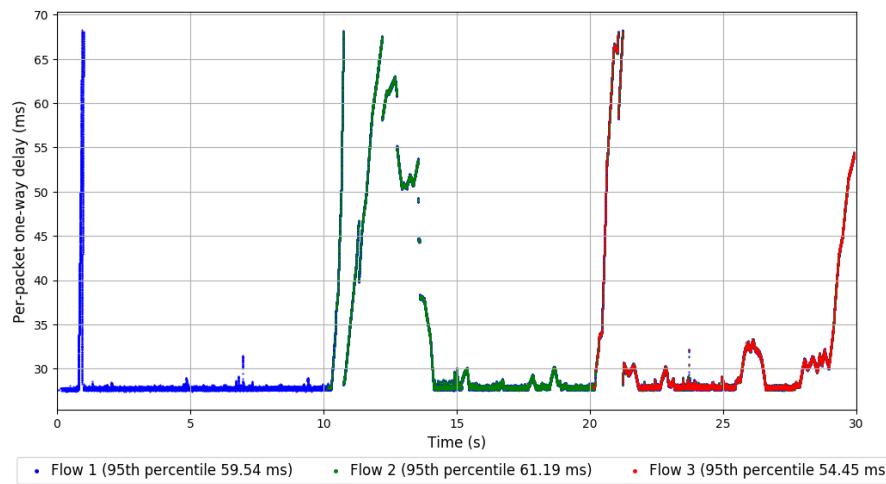
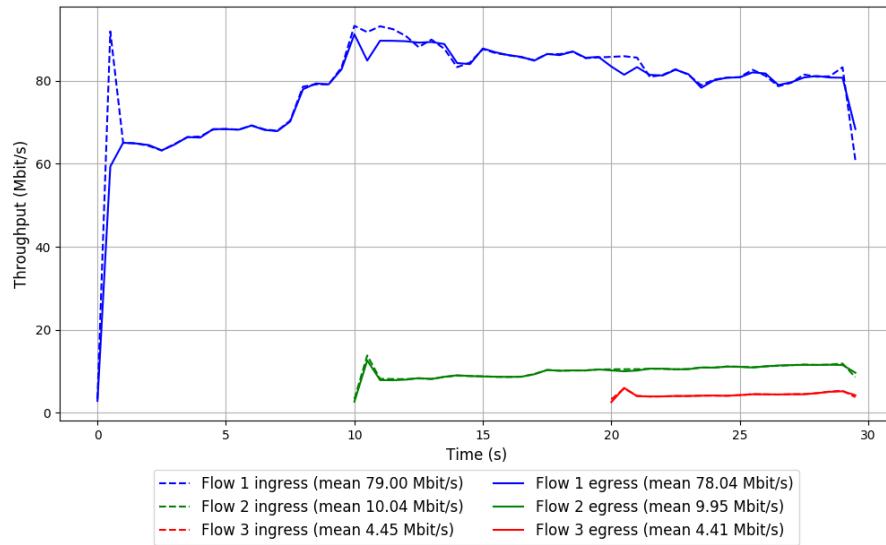


Run 7: Statistics of PCC

```
Start at: 2017-12-06 00:25:27
End at: 2017-12-06 00:25:57
Local clock offset: -0.436 ms
Remote clock offset: -3.77 ms

# Below is generated by plot.py at 2017-12-06 02:20:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 59.669 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 59.538 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 61.188 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 54.447 ms
Loss rate: 0.44%
```

Run 7: Report of PCC — Data Link

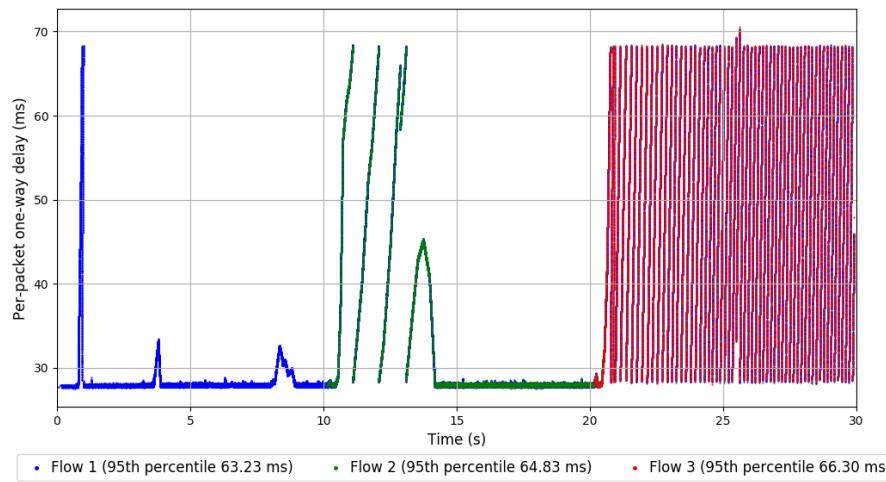
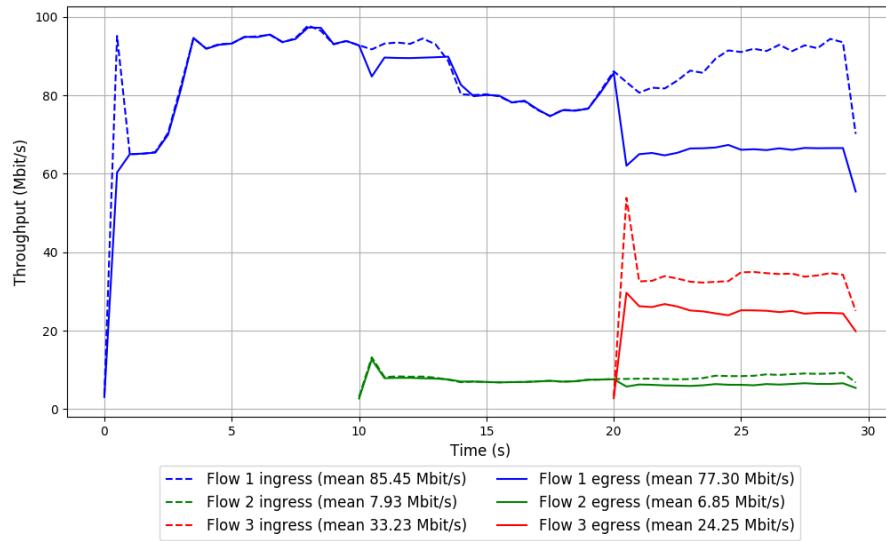


Run 8: Statistics of PCC

```
Start at: 2017-12-06 00:46:31
End at: 2017-12-06 00:47:01
Local clock offset: -0.635 ms
Remote clock offset: -3.054 ms

# Below is generated by plot.py at 2017-12-06 02:20:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 63.865 ms
Loss rate: 11.57%
-- Flow 1:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 63.228 ms
Loss rate: 9.48%
-- Flow 2:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 64.835 ms
Loss rate: 13.53%
-- Flow 3:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 66.297 ms
Loss rate: 26.86%
```

Run 8: Report of PCC — Data Link

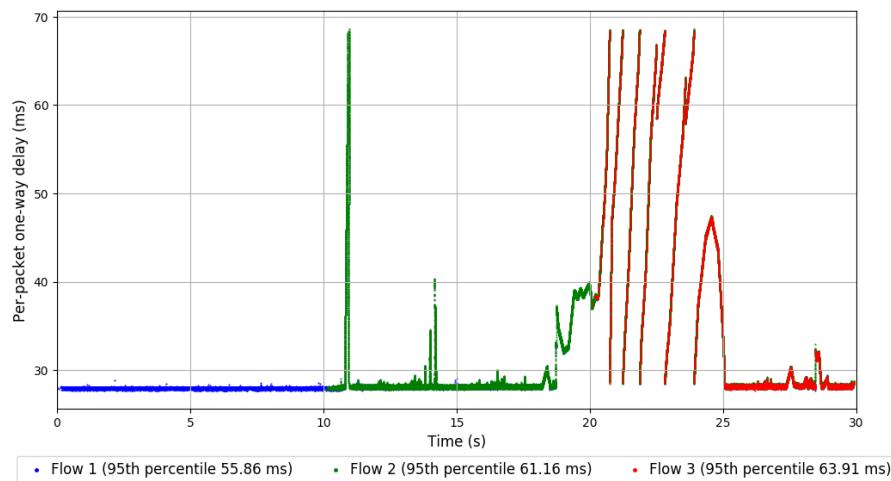
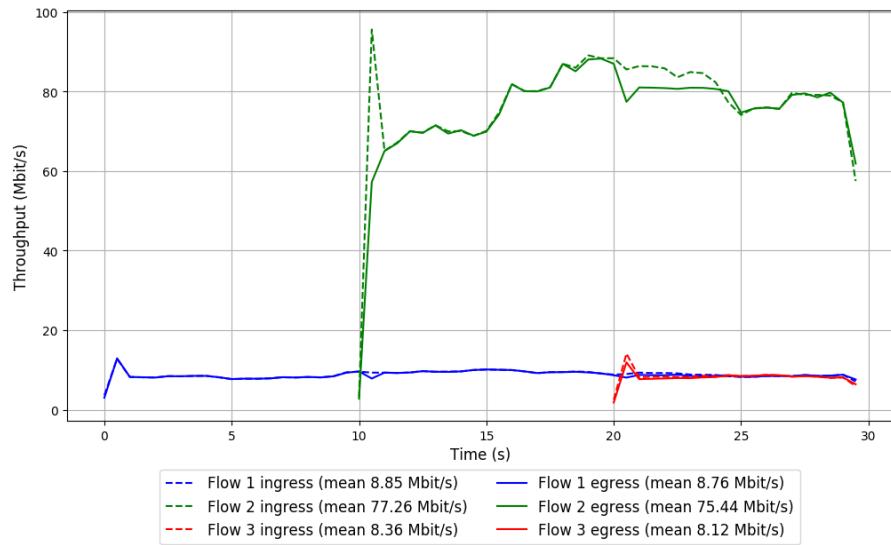


Run 9: Statistics of PCC

```
Start at: 2017-12-06 01:09:48
End at: 2017-12-06 01:10:18
Local clock offset: -0.816 ms
Remote clock offset: -2.691 ms

# Below is generated by plot.py at 2017-12-06 02:20:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 61.041 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 55.863 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 61.158 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 63.905 ms
Loss rate: 2.90%
```

Run 9: Report of PCC — Data Link

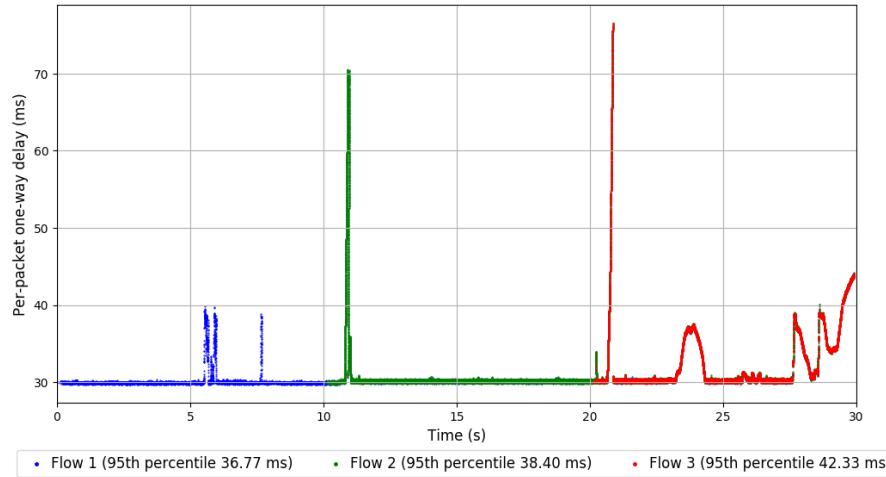
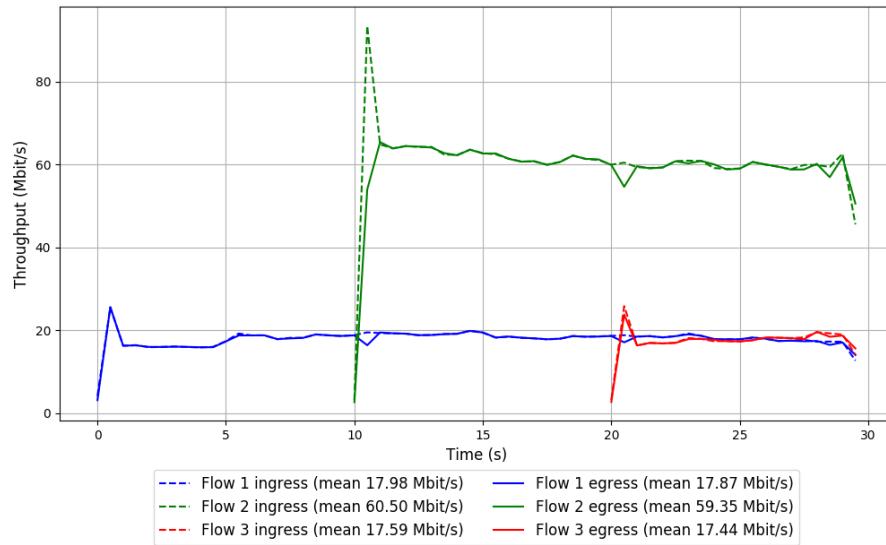


Run 10: Statistics of PCC

```
Start at: 2017-12-06 01:34:31
End at: 2017-12-06 01:35:01
Local clock offset: -1.044 ms
Remote clock offset: -1.008 ms

# Below is generated by plot.py at 2017-12-06 02:20:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.09 Mbit/s
95th percentile per-packet one-way delay: 38.332 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 36.769 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 38.400 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 42.326 ms
Loss rate: 0.72%
```

Run 10: Report of PCC — Data Link

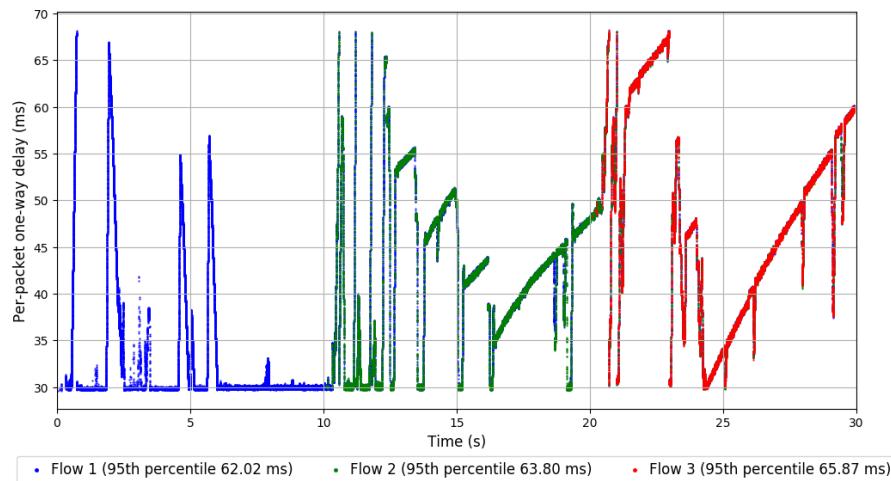
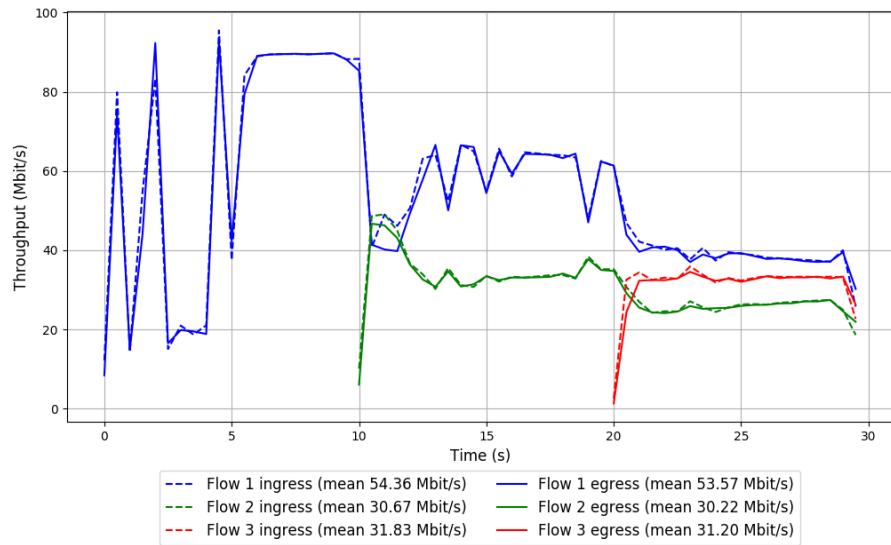


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2017-12-05 22:32:36
End at: 2017-12-05 22:33:06
Local clock offset: -0.283 ms
Remote clock offset: -1.738 ms

# Below is generated by plot.py at 2017-12-06 02:21:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 63.692 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 62.019 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 63.796 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 65.873 ms
Loss rate: 1.85%
```

Run 1: Report of QUIC Cubic — Data Link

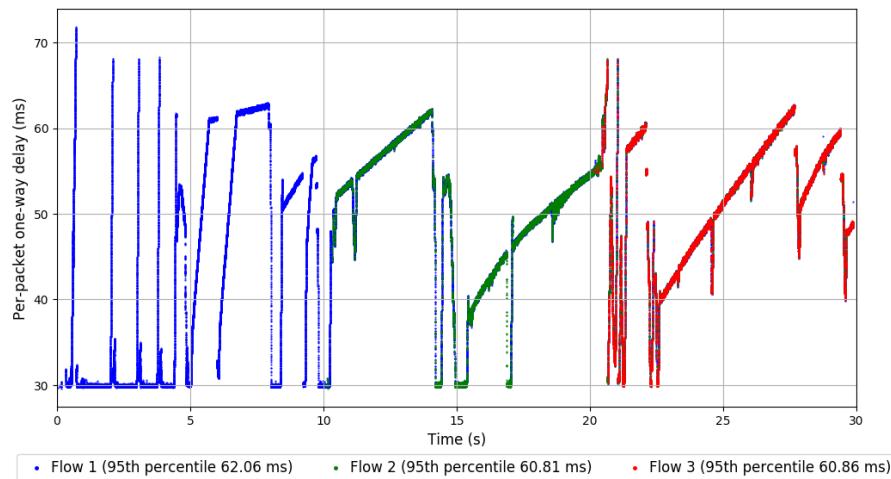
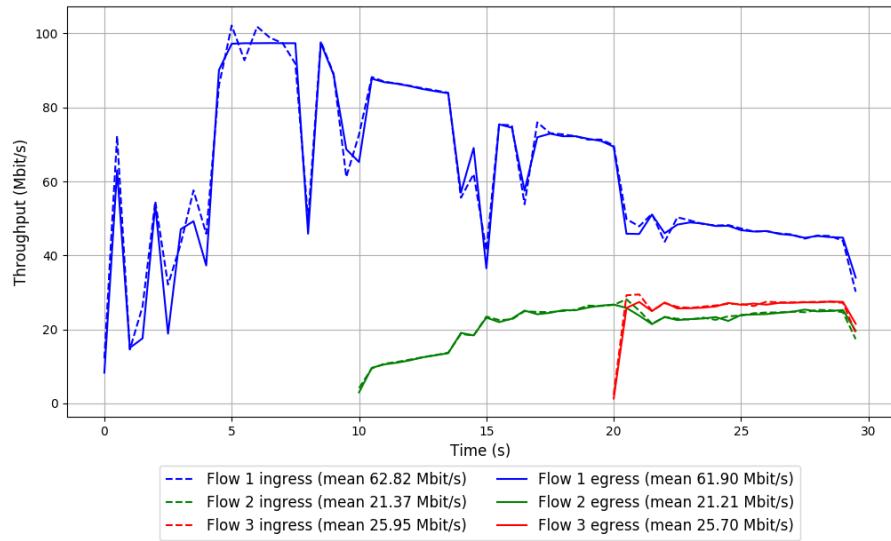


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-12-05 22:52:45
End at: 2017-12-05 22:53:15
Local clock offset: -0.255 ms
Remote clock offset: -1.582 ms

# Below is generated by plot.py at 2017-12-06 02:21:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.42 Mbit/s
95th percentile per-packet one-way delay: 61.926 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 62.063 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 60.811 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 25.70 Mbit/s
95th percentile per-packet one-way delay: 60.864 ms
Loss rate: 1.05%
```

Run 2: Report of QUIC Cubic — Data Link

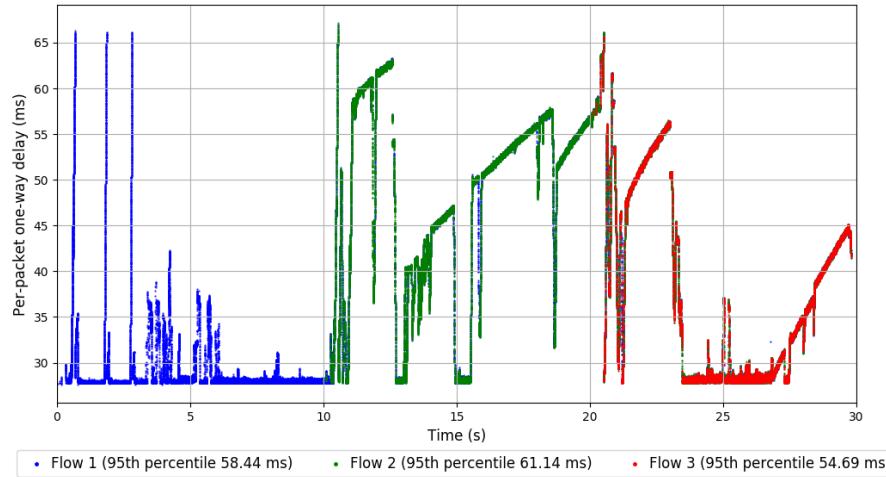
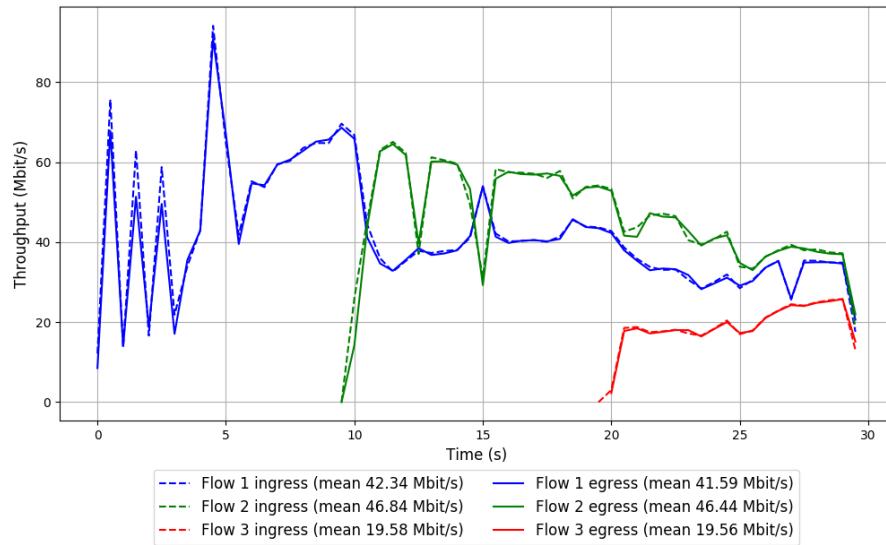


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-12-05 23:12:34
End at: 2017-12-05 23:13:04
Local clock offset: -0.343 ms
Remote clock offset: -3.864 ms

# Below is generated by plot.py at 2017-12-06 02:21:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: 59.912 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 41.59 Mbit/s
95th percentile per-packet one-way delay: 58.437 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 61.138 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 54.691 ms
Loss rate: 0.25%
```

Run 3: Report of QUIC Cubic — Data Link

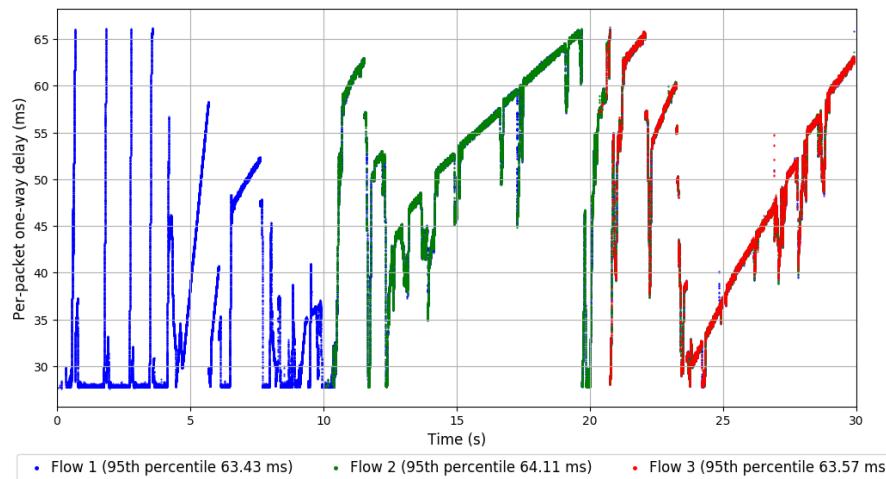
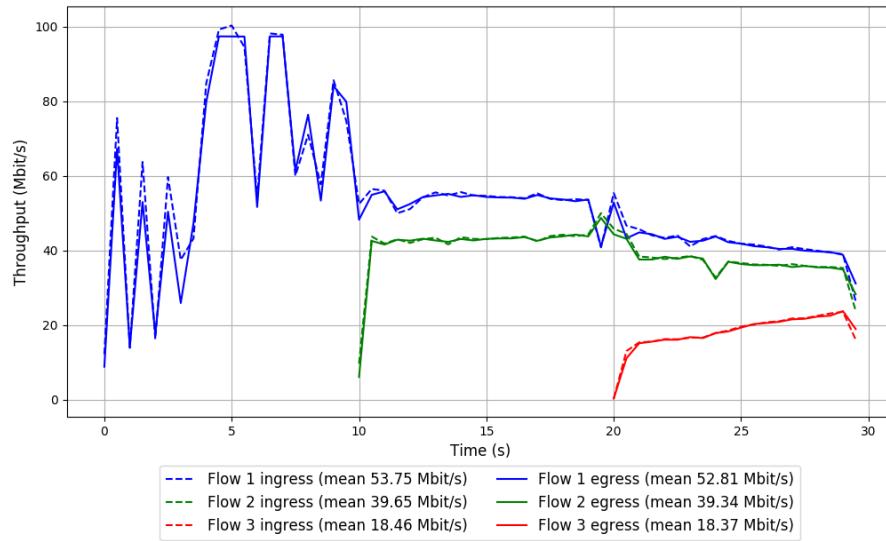


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-12-05 23:33:10
End at: 2017-12-05 23:33:40
Local clock offset: -0.356 ms
Remote clock offset: -4.615 ms

# Below is generated by plot.py at 2017-12-06 02:21:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 63.734 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 52.81 Mbit/s
95th percentile per-packet one-way delay: 63.430 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 64.109 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 63.570 ms
Loss rate: 0.38%
```

Run 4: Report of QUIC Cubic — Data Link

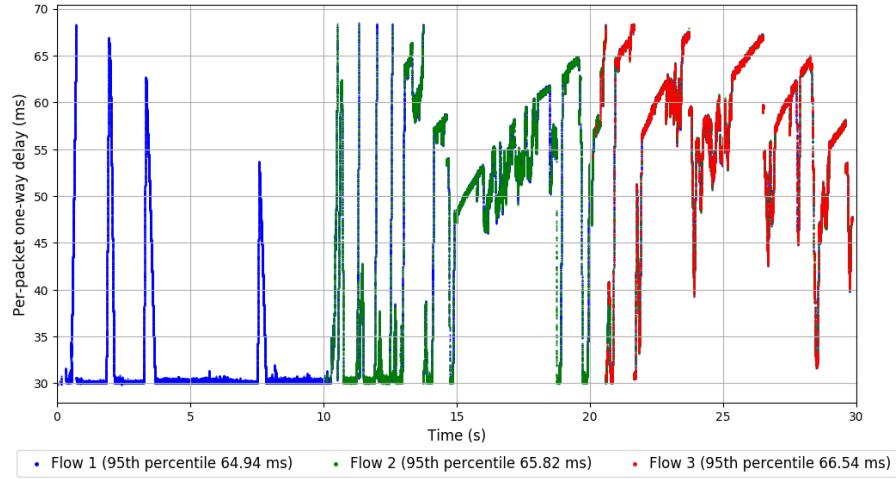
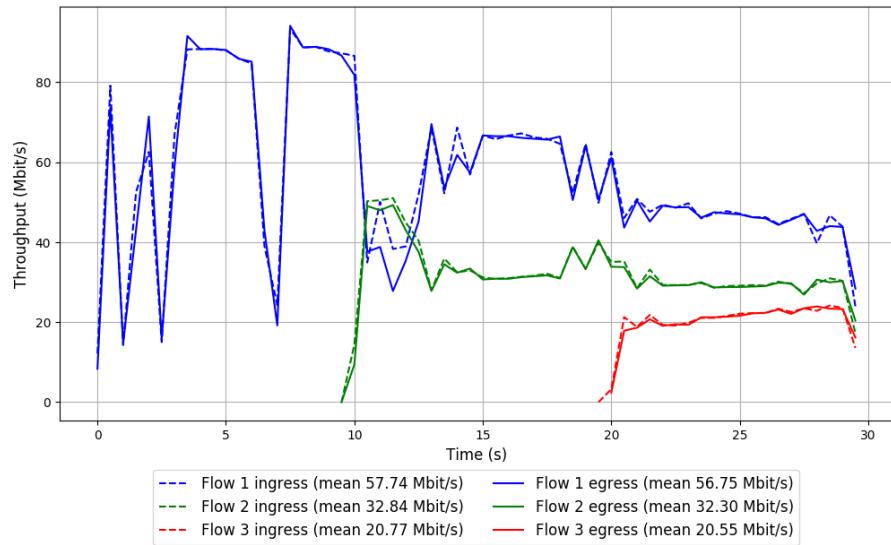


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-12-05 23:55:07
End at: 2017-12-05 23:55:37
Local clock offset: -0.419 ms
Remote clock offset: -2.324 ms

# Below is generated by plot.py at 2017-12-06 02:21:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 65.563 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 64.941 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 65.816 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 66.537 ms
Loss rate: 1.09%
```

Run 5: Report of QUIC Cubic — Data Link

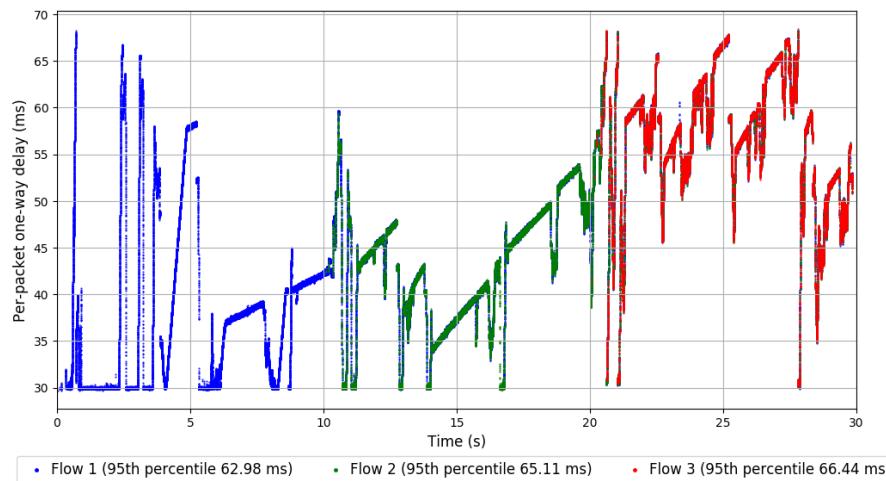
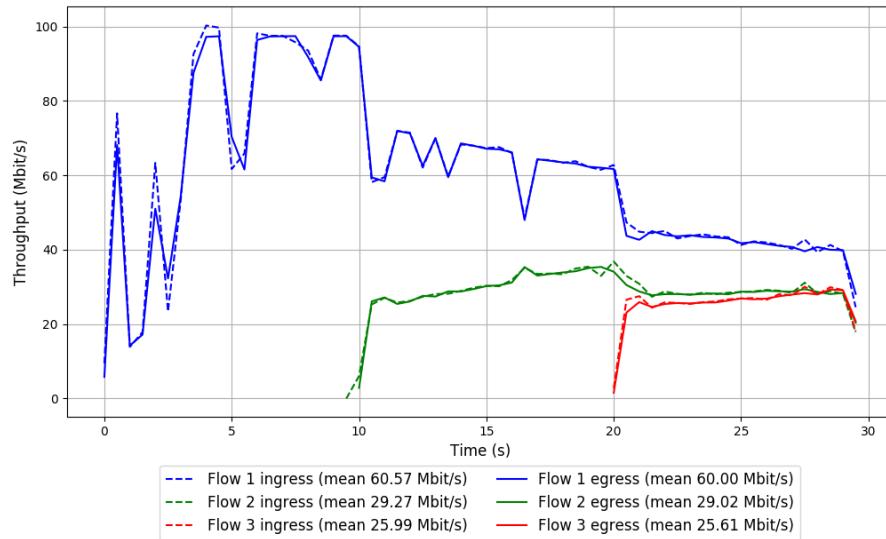


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-12-06 00:17:20
End at: 2017-12-06 00:17:50
Local clock offset: -0.381 ms
Remote clock offset: -1.843 ms

# Below is generated by plot.py at 2017-12-06 02:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 64.492 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 62.981 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 29.02 Mbit/s
95th percentile per-packet one-way delay: 65.109 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 66.436 ms
Loss rate: 1.40%
```

Run 6: Report of QUIC Cubic — Data Link

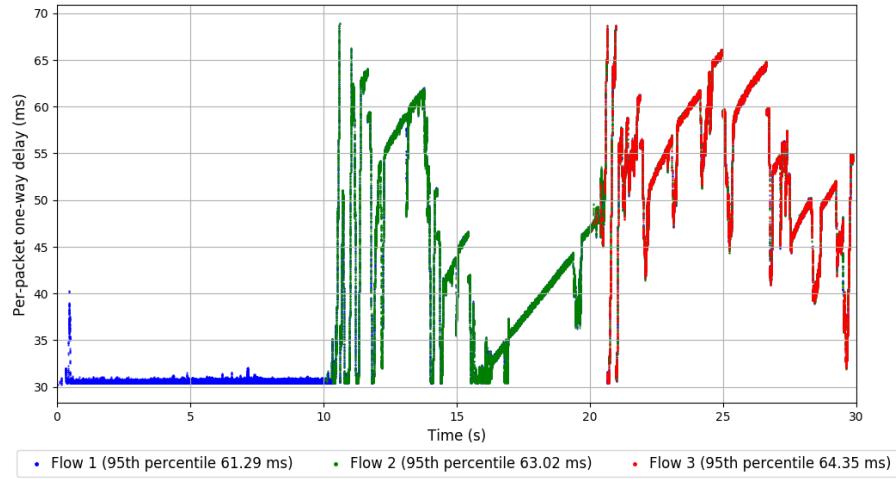
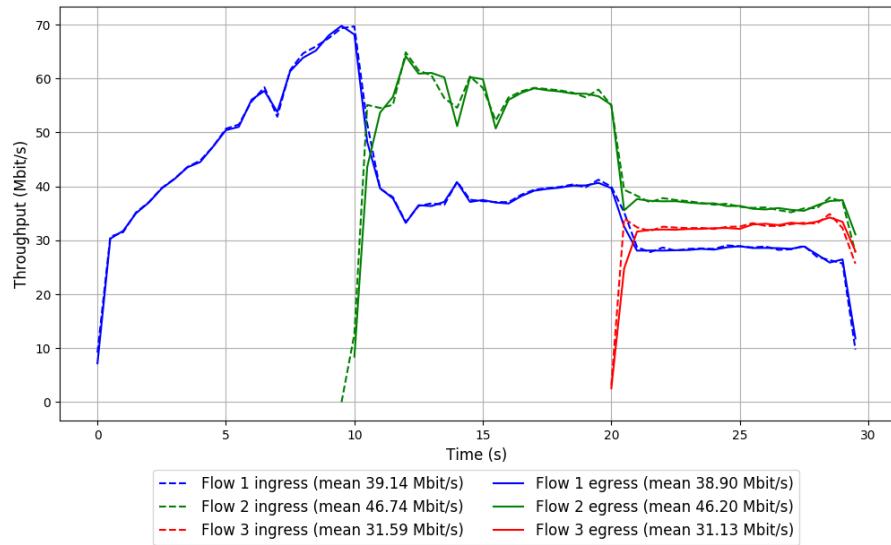


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-12-06 00:38:41
End at: 2017-12-06 00:39:11
Local clock offset: -0.593 ms
Remote clock offset: -0.565 ms

# Below is generated by plot.py at 2017-12-06 02:22:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.85 Mbit/s
95th percentile per-packet one-way delay: 62.791 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 61.292 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 63.018 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 64.346 ms
Loss rate: 1.39%
```

Run 7: Report of QUIC Cubic — Data Link

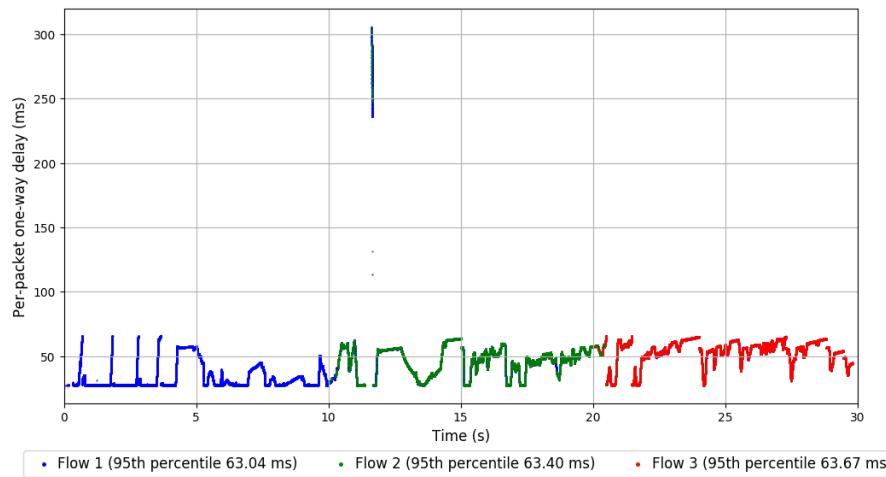
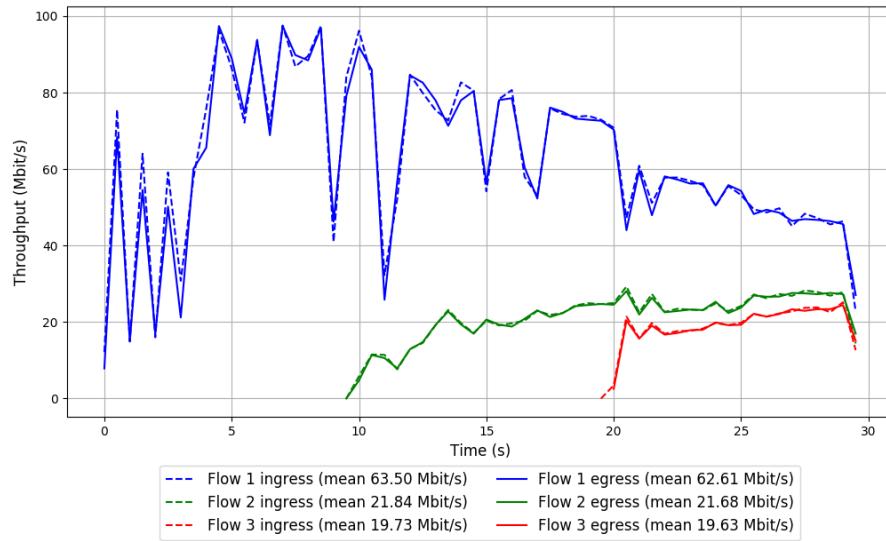


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-12-06 01:00:07
End at: 2017-12-06 01:00:37
Local clock offset: -0.658 ms
Remote clock offset: -2.903 ms

# Below is generated by plot.py at 2017-12-06 02:22:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 63.185 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 63.040 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 63.400 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 63.667 ms
Loss rate: 0.61%
```

Run 8: Report of QUIC Cubic — Data Link

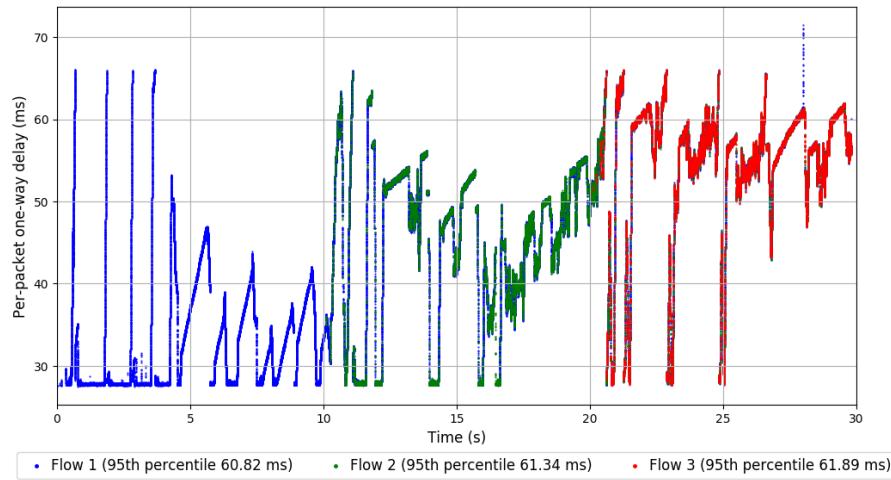
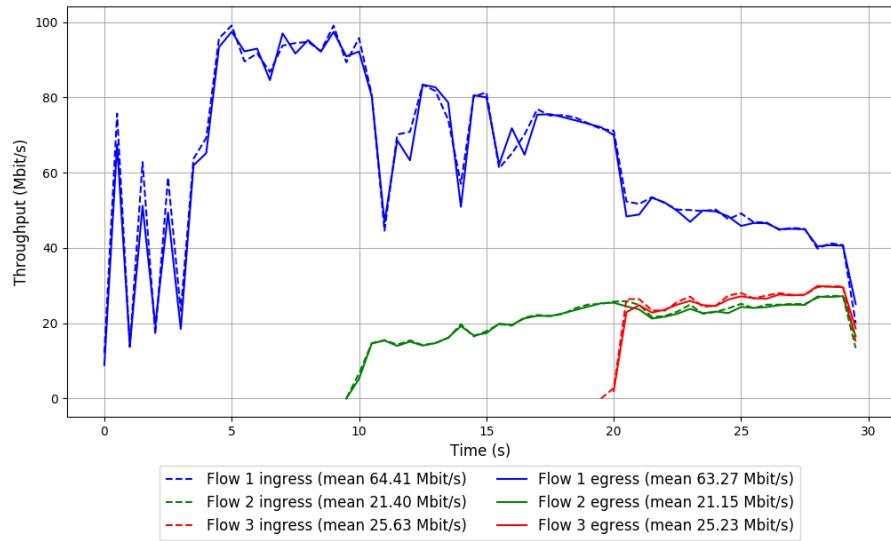


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-12-06 01:25:20
End at: 2017-12-06 01:25:50
Local clock offset: -0.84 ms
Remote clock offset: -3.005 ms

# Below is generated by plot.py at 2017-12-06 02:23:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 61.129 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 60.820 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 61.340 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 25.23 Mbit/s
95th percentile per-packet one-way delay: 61.886 ms
Loss rate: 1.49%
```

Run 9: Report of QUIC Cubic — Data Link

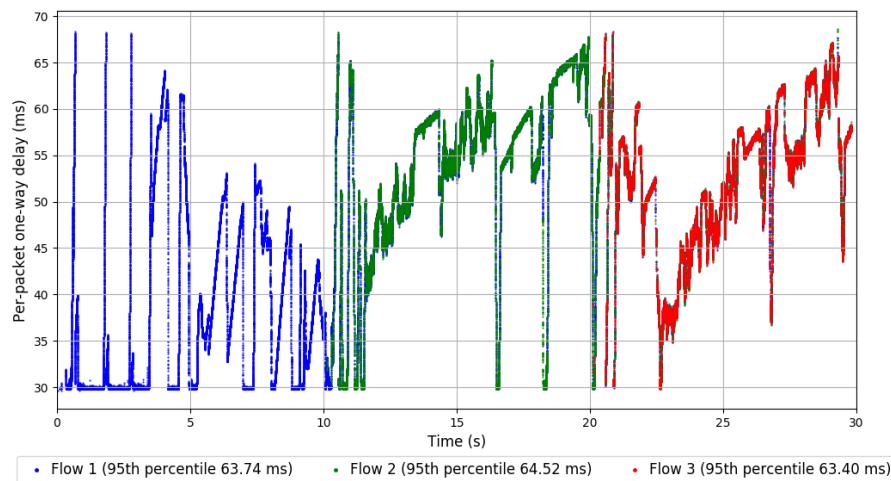
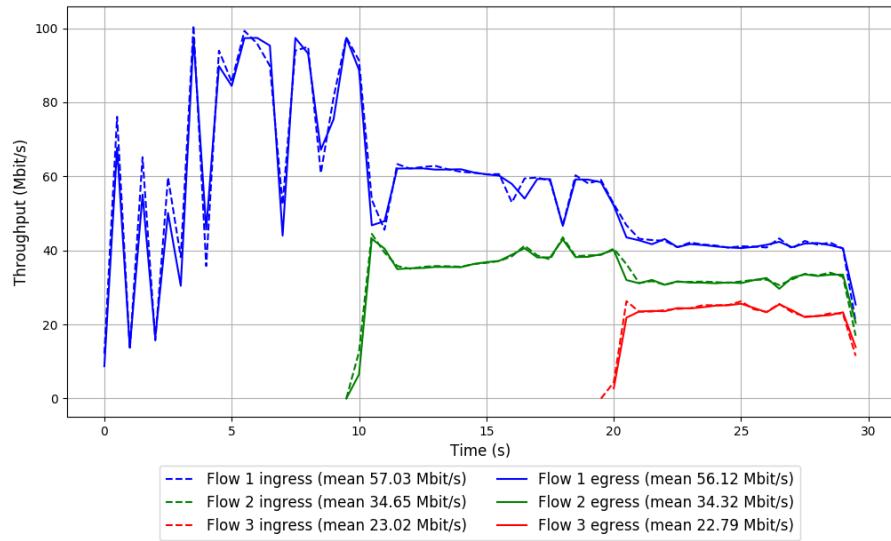


```
Run 10: Statistics of QUIC Cubic
```

```
Start at: 2017-12-06 01:49:59
End at: 2017-12-06 01:50:29
Local clock offset: -1.098 ms
Remote clock offset: -1.23 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.45 Mbit/s
95th percentile per-packet one-way delay: 63.944 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 63.741 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 64.519 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 63.399 ms
Loss rate: 1.00%
```

Run 10: Report of QUIC Cubic — Data Link

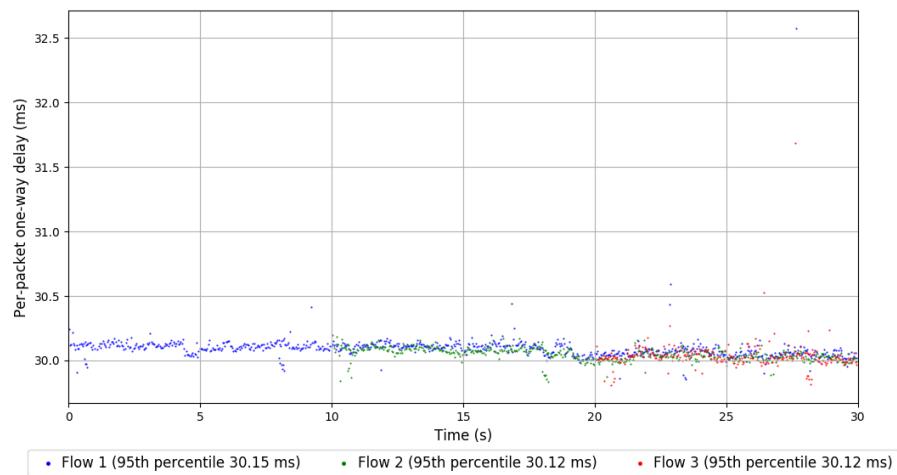
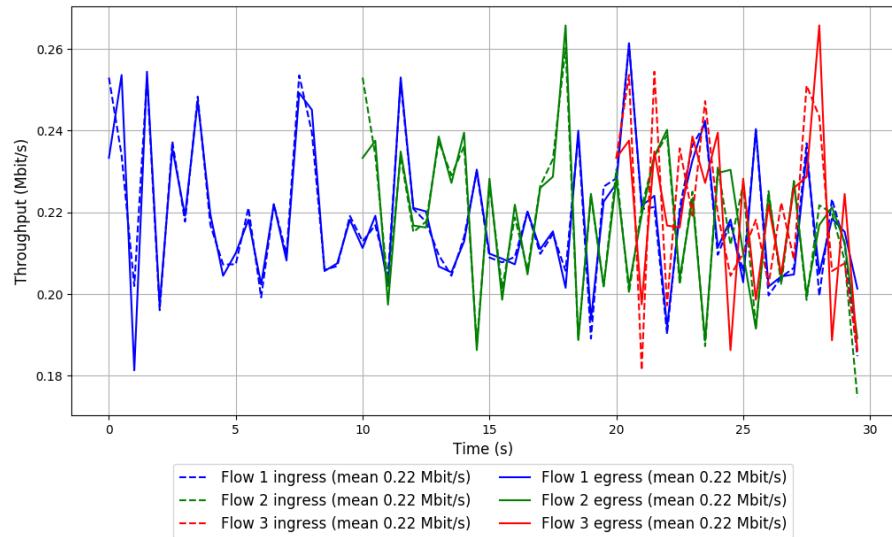


Run 1: Statistics of SCReAM

```
Start at: 2017-12-05 22:25:41
End at: 2017-12-05 22:26:11
Local clock offset: -0.366 ms
Remote clock offset: -1.796 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.118 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

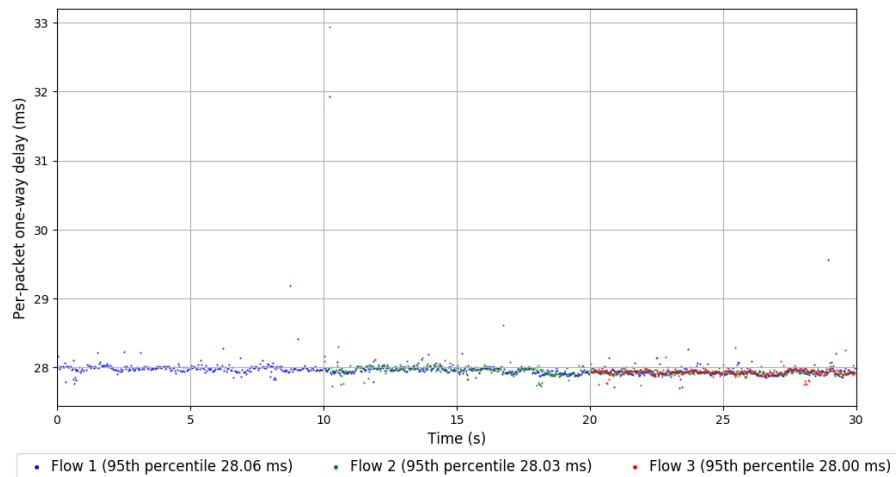
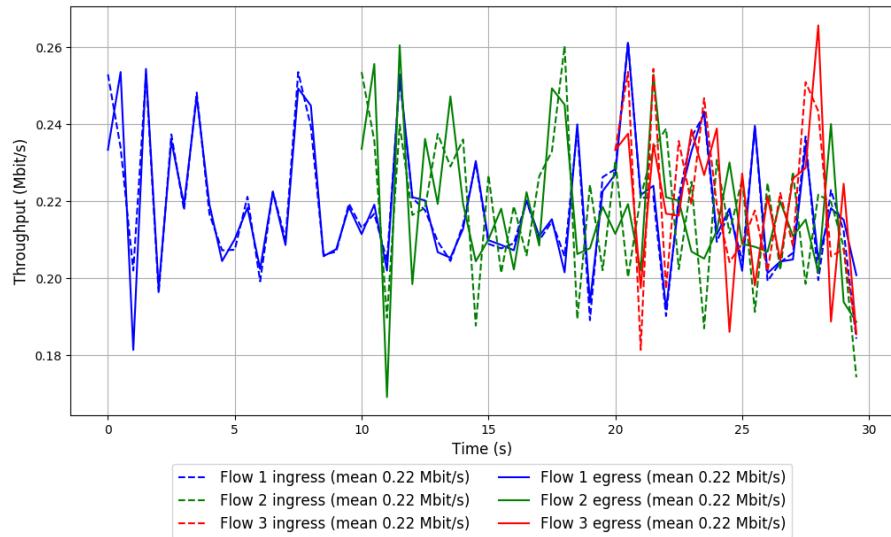


Run 2: Statistics of SCReAM

```
Start at: 2017-12-05 22:45:51
End at: 2017-12-05 22:46:21
Local clock offset: -0.358 ms
Remote clock offset: -3.655 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.057 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.998 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

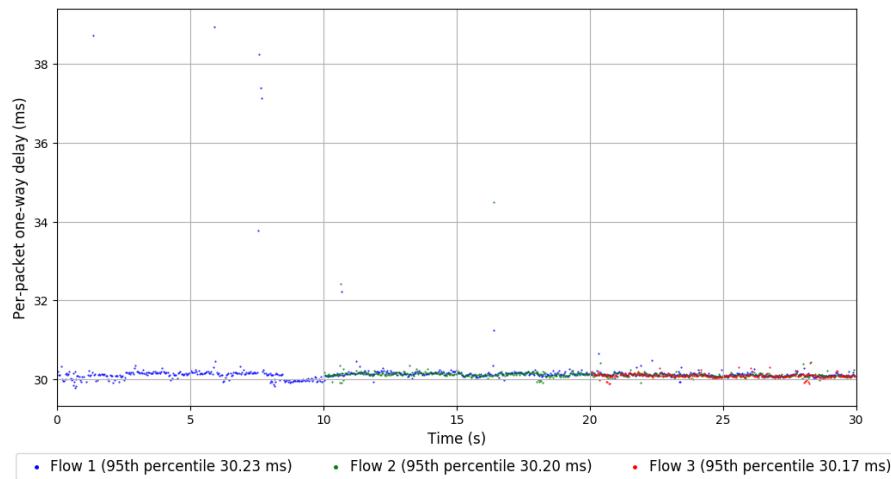
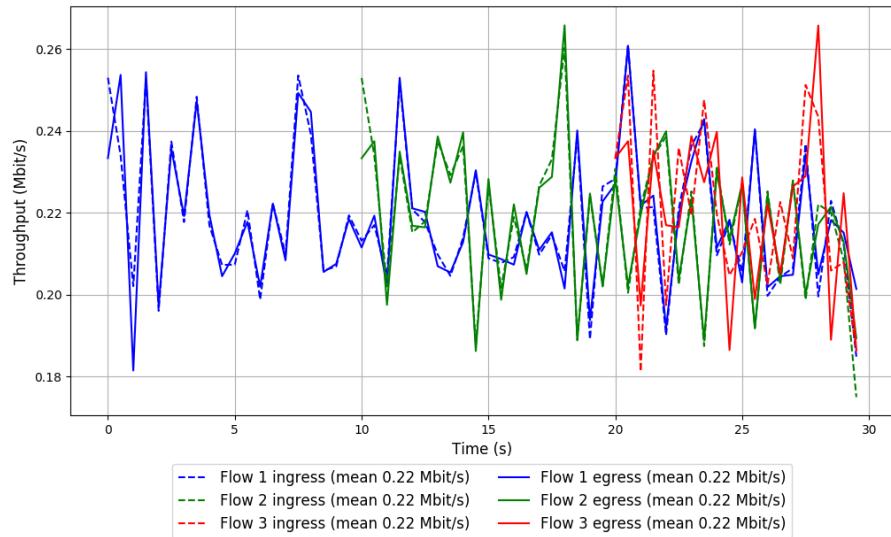


Run 3: Statistics of SCReAM

```
Start at: 2017-12-05 23:05:52
End at: 2017-12-05 23:06:22
Local clock offset: -0.335 ms
Remote clock offset: -1.552 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.196 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.174 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

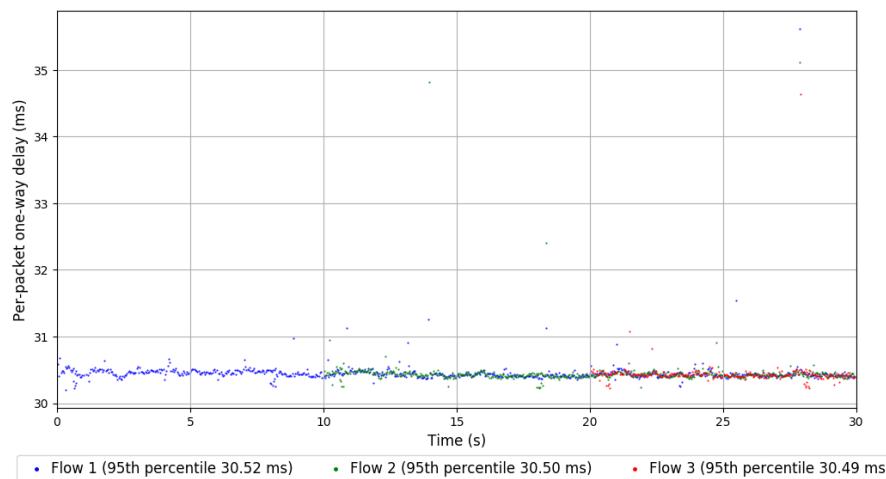
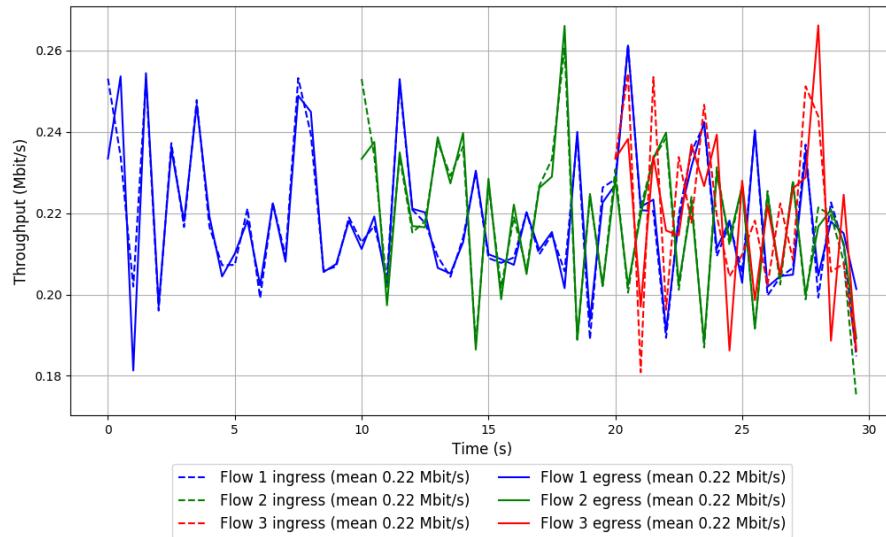


Run 4: Statistics of SCReAM

```
Start at: 2017-12-05 23:26:14
End at: 2017-12-05 23:26:44
Local clock offset: -0.28 ms
Remote clock offset: -1.788 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.501 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.489 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

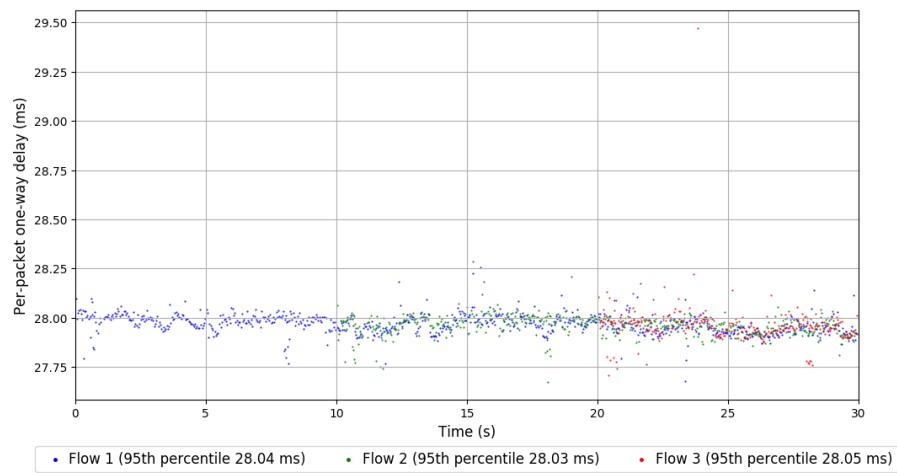
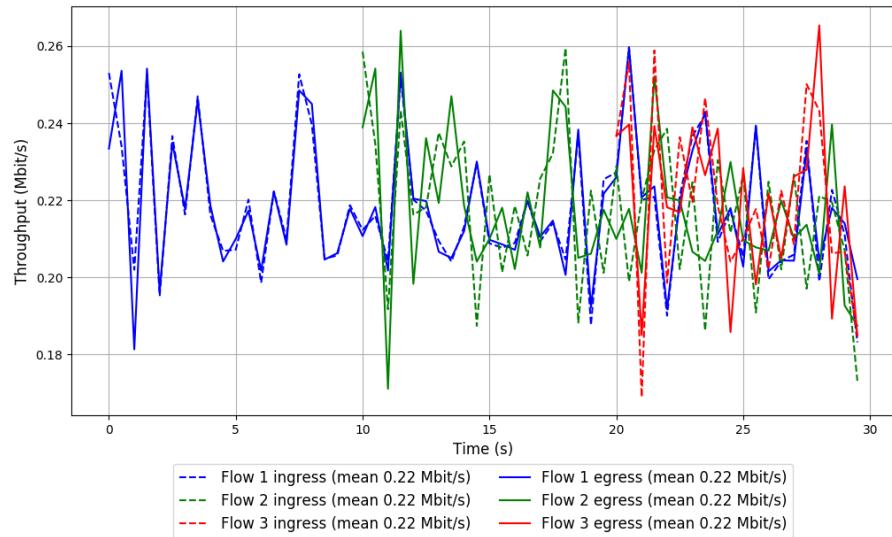


Run 5: Statistics of SCReAM

```
Start at: 2017-12-05 23:48:00
End at: 2017-12-05 23:48:30
Local clock offset: -0.302 ms
Remote clock offset: -4.544 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.040 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.027 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.049 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

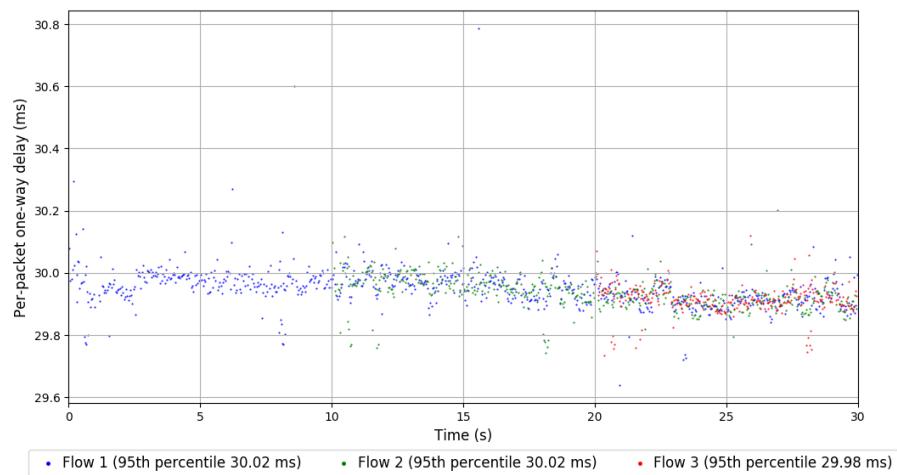
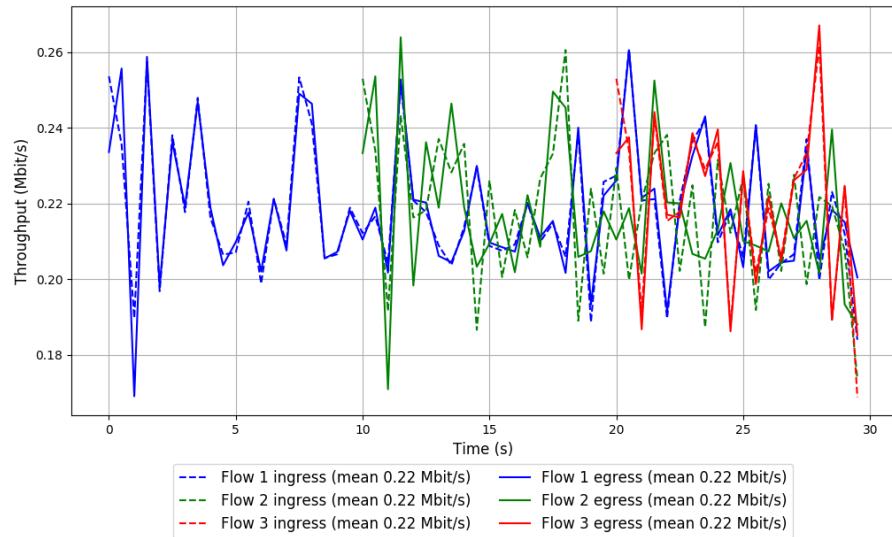


Run 6: Statistics of SCReAM

```
Start at: 2017-12-06 00:10:05
End at: 2017-12-06 00:10:35
Local clock offset: -0.439 ms
Remote clock offset: -2.188 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.977 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

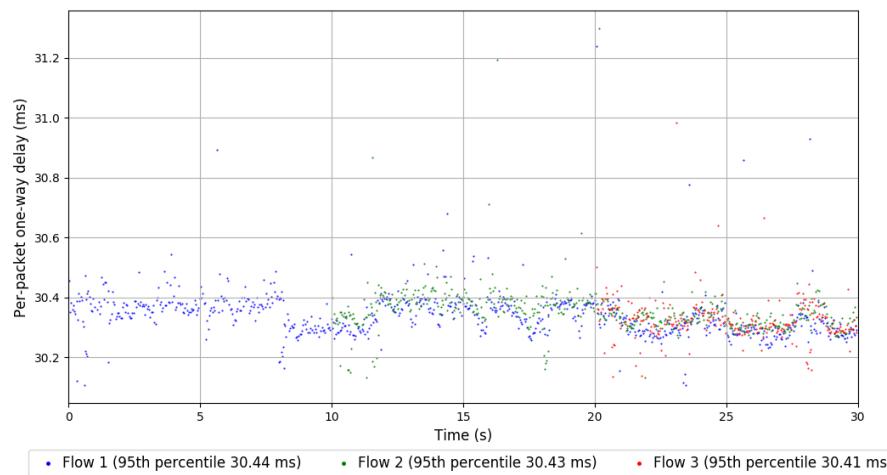
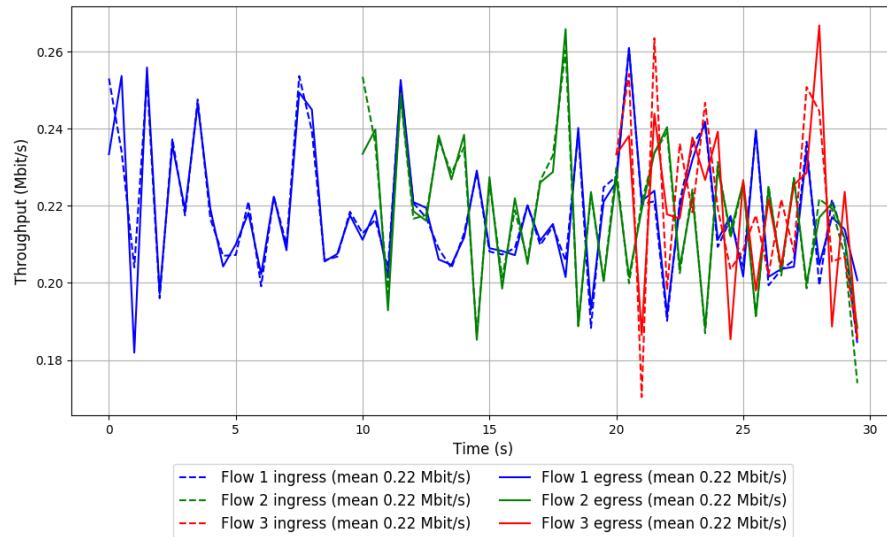


Run 7: Statistics of SCReAM

```
Start at: 2017-12-06 00:31:31
End at: 2017-12-06 00:32:01
Local clock offset: -0.461 ms
Remote clock offset: -0.926 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

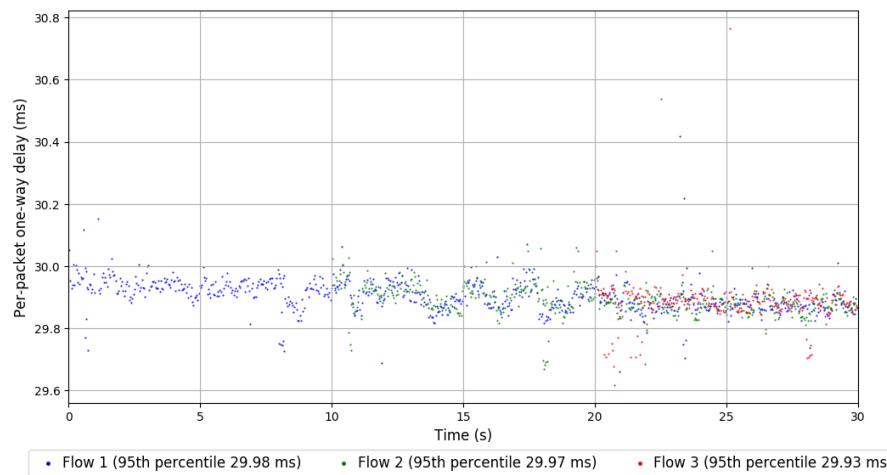
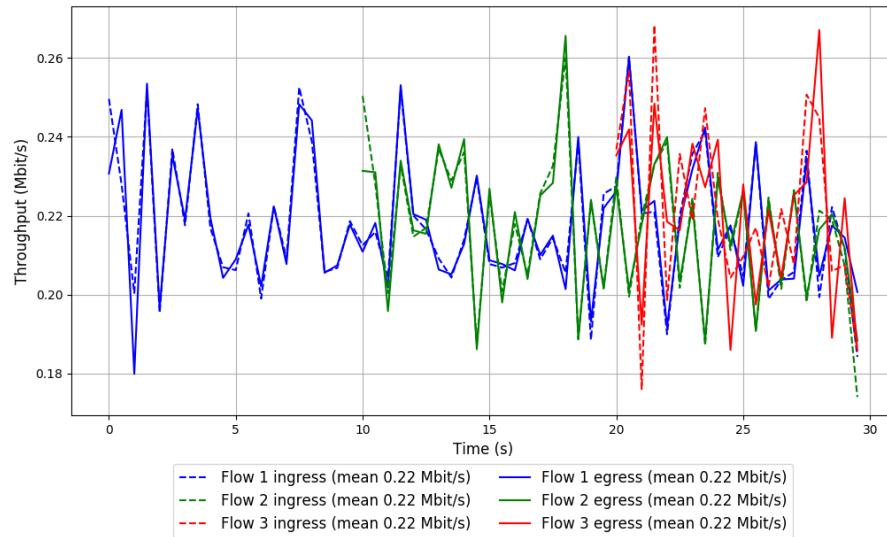


Run 8: Statistics of SCReAM

```
Start at: 2017-12-06 00:52:40
End at: 2017-12-06 00:53:10
Local clock offset: -0.589 ms
Remote clock offset: -0.824 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.932 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

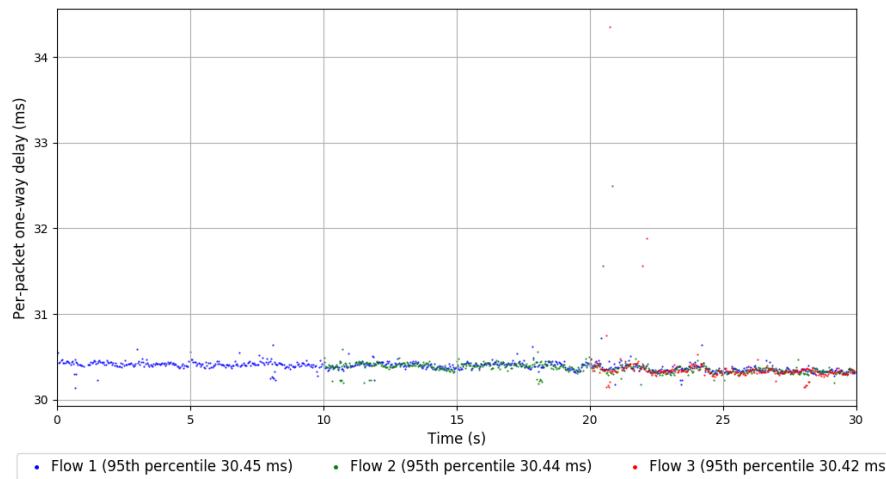
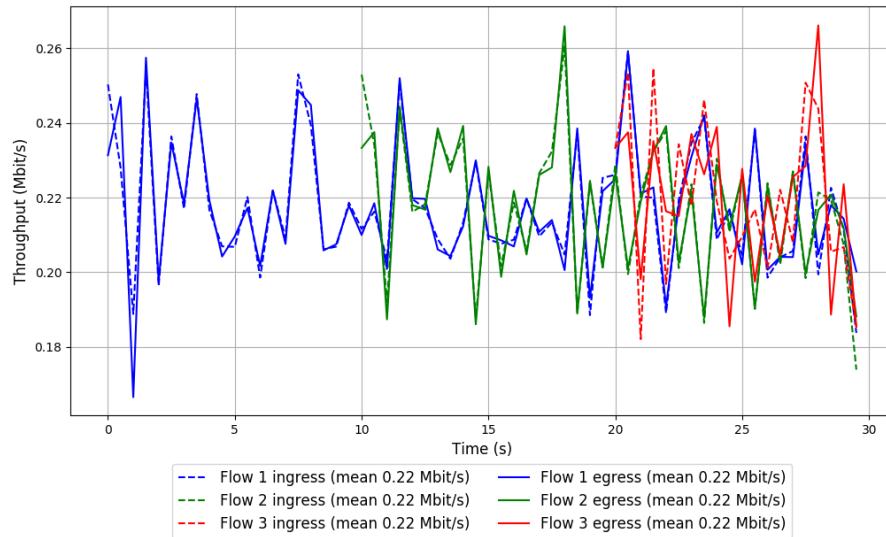


Run 9: Statistics of SCReAM

```
Start at: 2017-12-06 01:17:05
End at: 2017-12-06 01:17:35
Local clock offset: -0.772 ms
Remote clock offset: -0.325 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.424 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

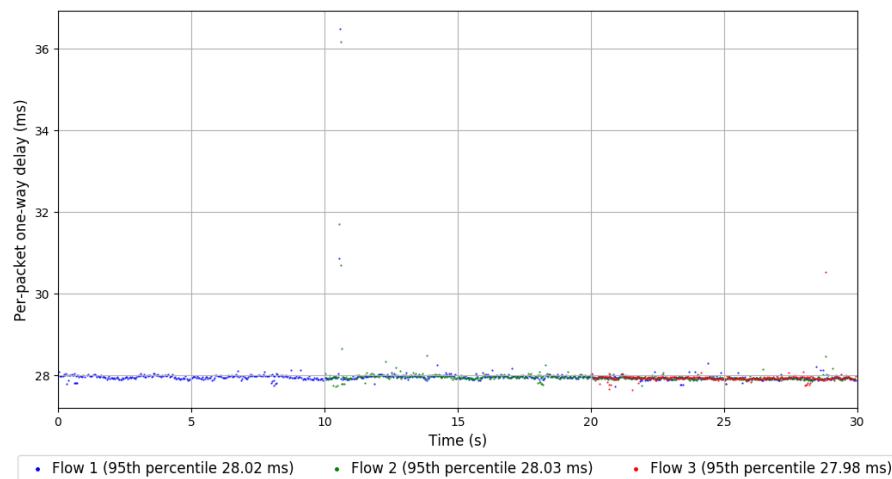
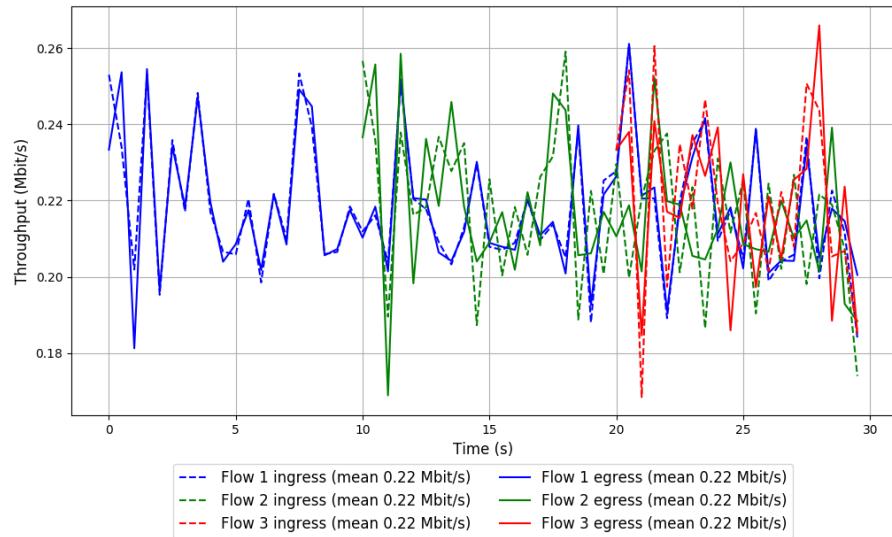


Run 10: Statistics of SCReAM

```
Start at: 2017-12-06 01:41:59
End at: 2017-12-06 01:42:29
Local clock offset: -1.115 ms
Remote clock offset: -3.191 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.029 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.984 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

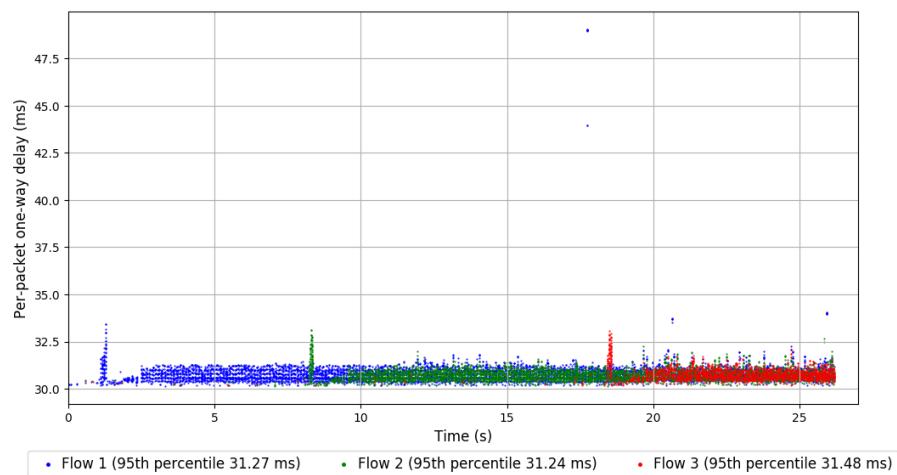
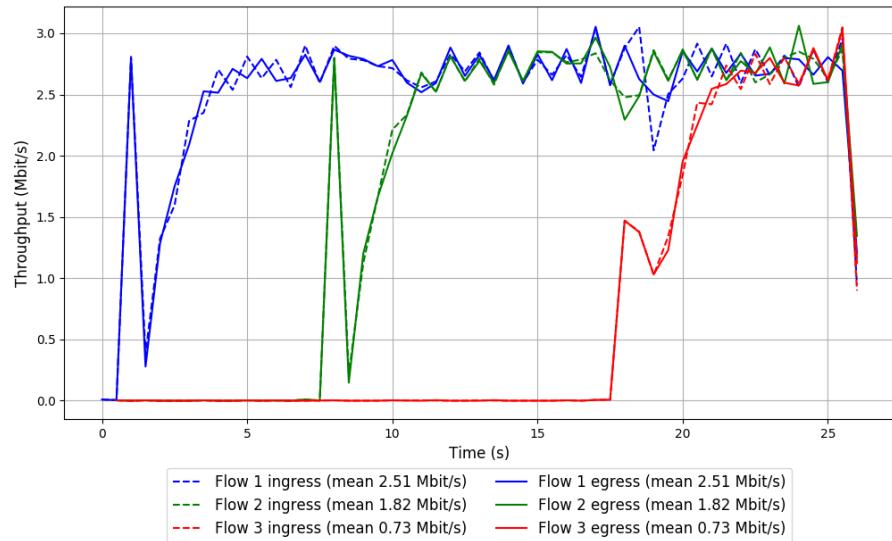


Run 1: Statistics of WebRTC media

```
Start at: 2017-12-05 22:31:19
End at: 2017-12-05 22:31:49
Local clock offset: -0.351 ms
Remote clock offset: -1.183 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 31.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 31.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 31.240 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 31.475 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

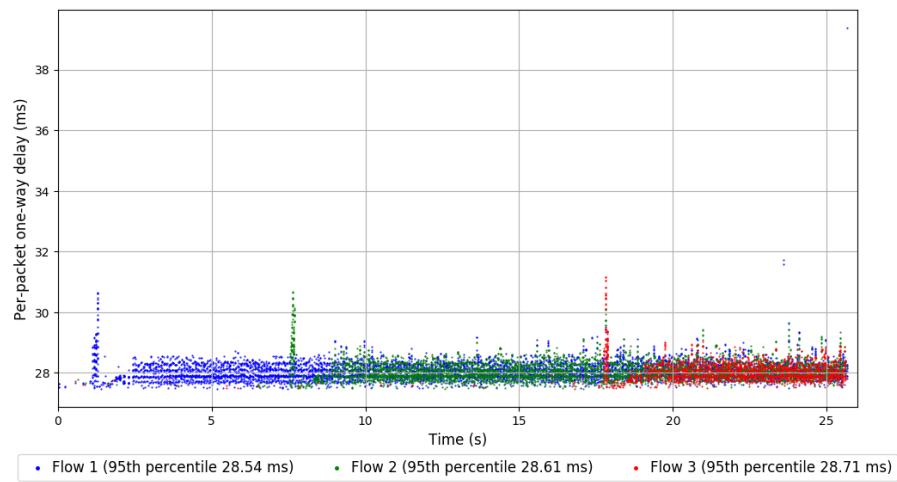
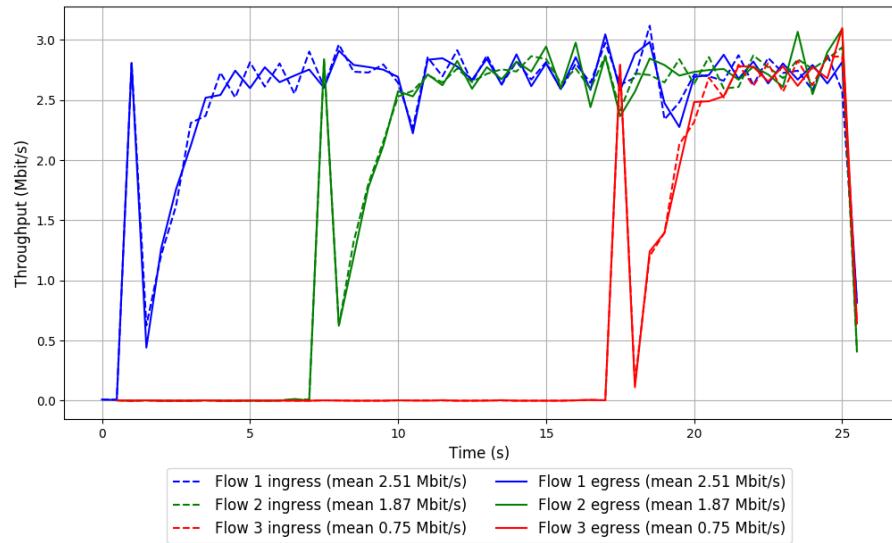


Run 2: Statistics of WebRTC media

```
Start at: 2017-12-05 22:51:26
End at: 2017-12-05 22:51:56
Local clock offset: -0.269 ms
Remote clock offset: -3.737 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 28.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 28.535 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 28.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 28.709 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

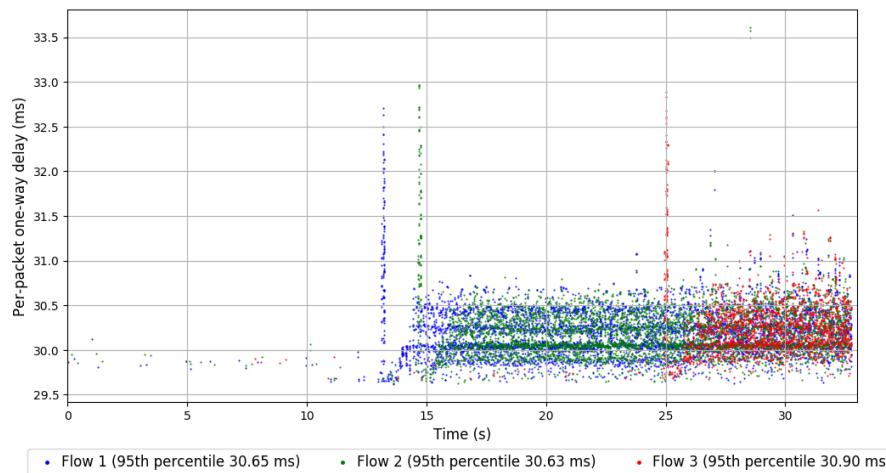
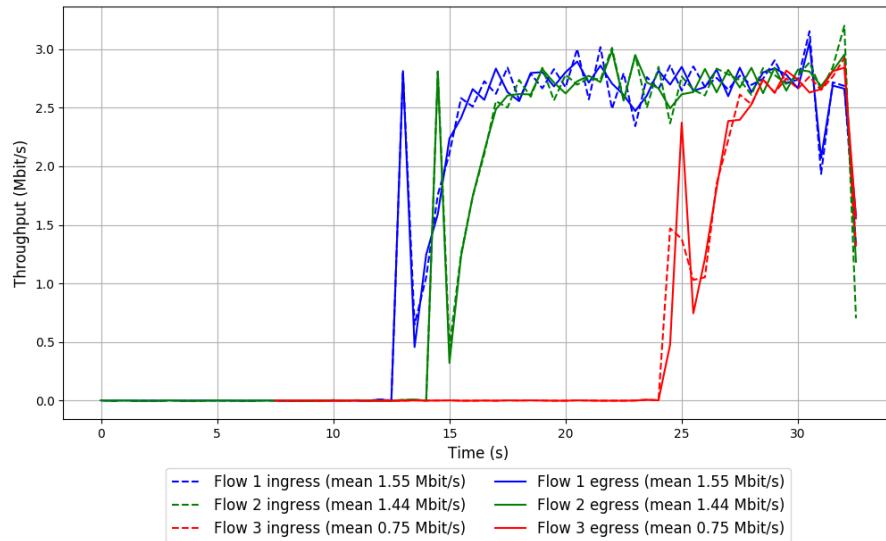


Run 3: Statistics of WebRTC media

```
Start at: 2017-12-05 23:11:17
End at: 2017-12-05 23:11:47
Local clock offset: -0.268 ms
Remote clock offset: -1.701 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 30.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 30.652 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 30.903 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

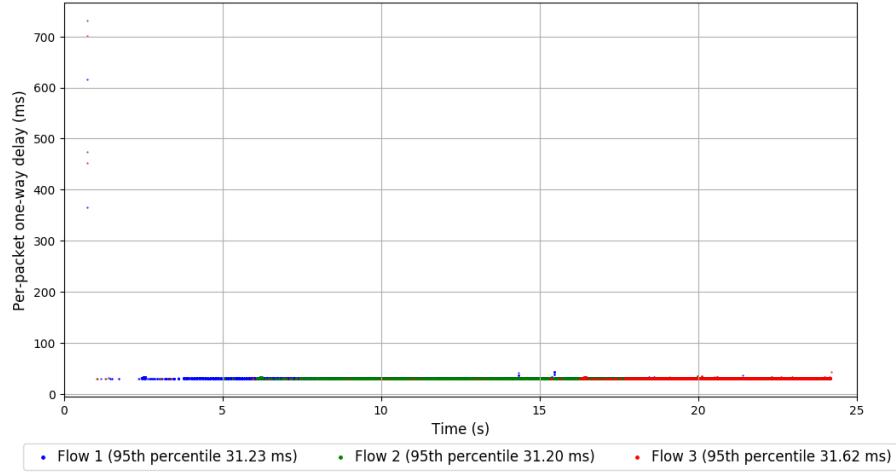
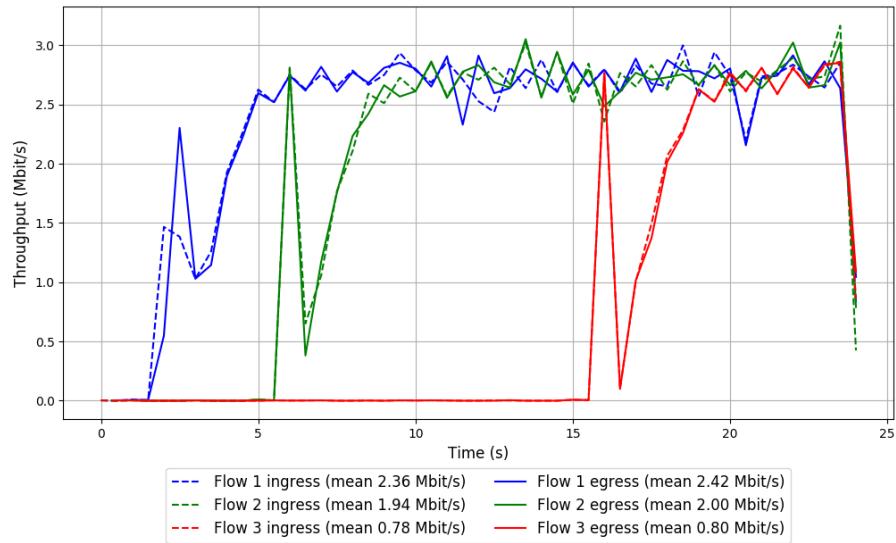
Start at: 2017-12-05 23:31:52

End at: 2017-12-05 23:32:22

Local clock offset: -0.249 ms

Remote clock offset: -1.893 ms

Run 4: Report of WebRTC media — Data Link

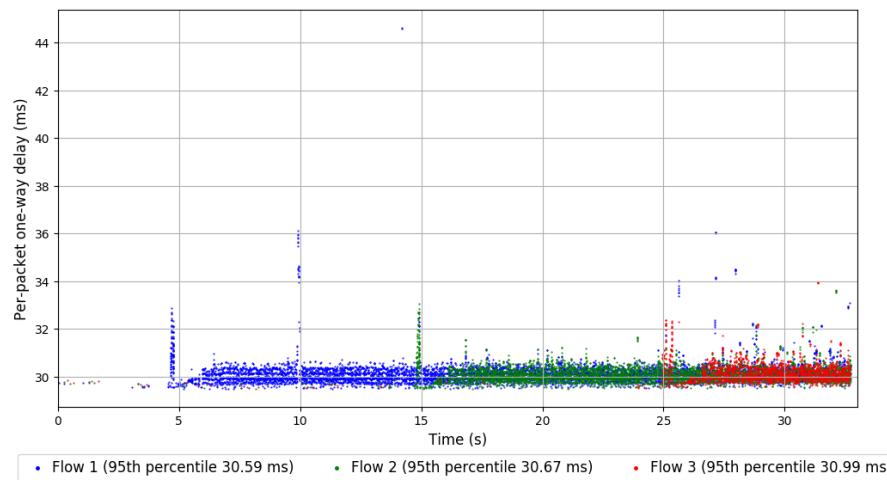
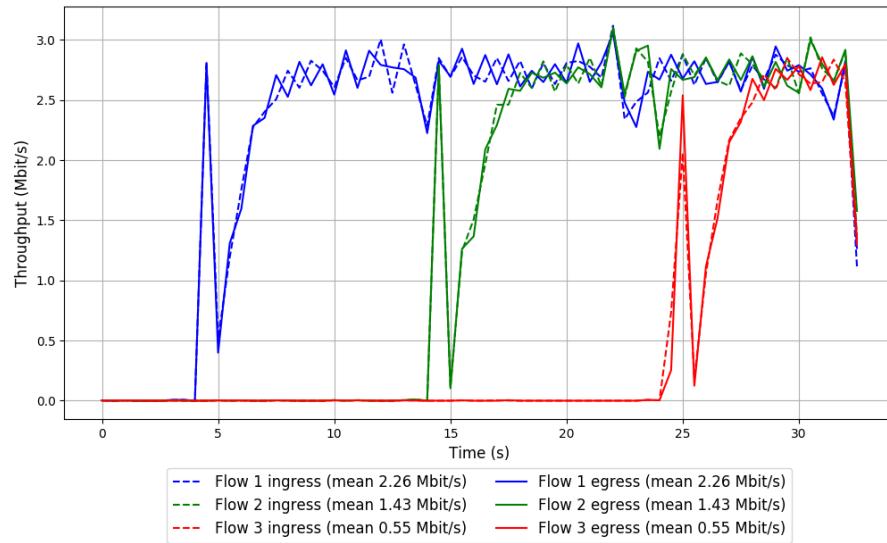


Run 5: Statistics of WebRTC media

```
Start at: 2017-12-05 23:53:49
End at: 2017-12-05 23:54:19
Local clock offset: -0.319 ms
Remote clock offset: -2.554 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 30.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 30.666 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 30.989 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

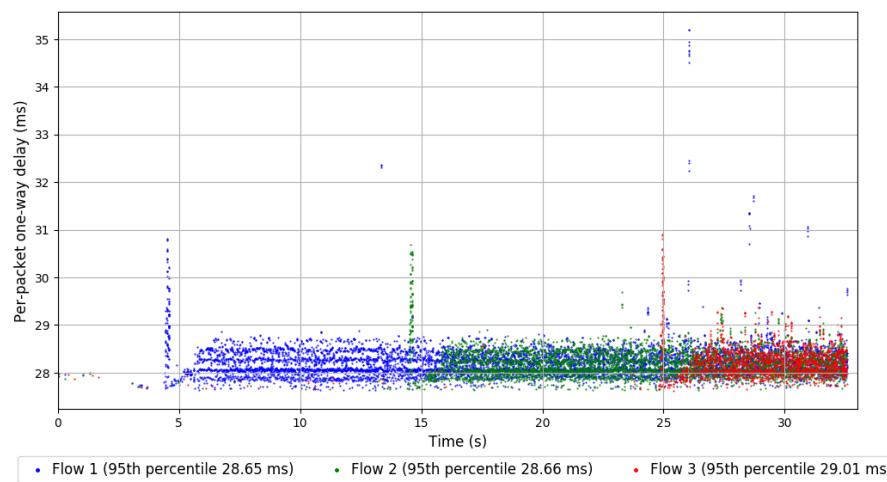
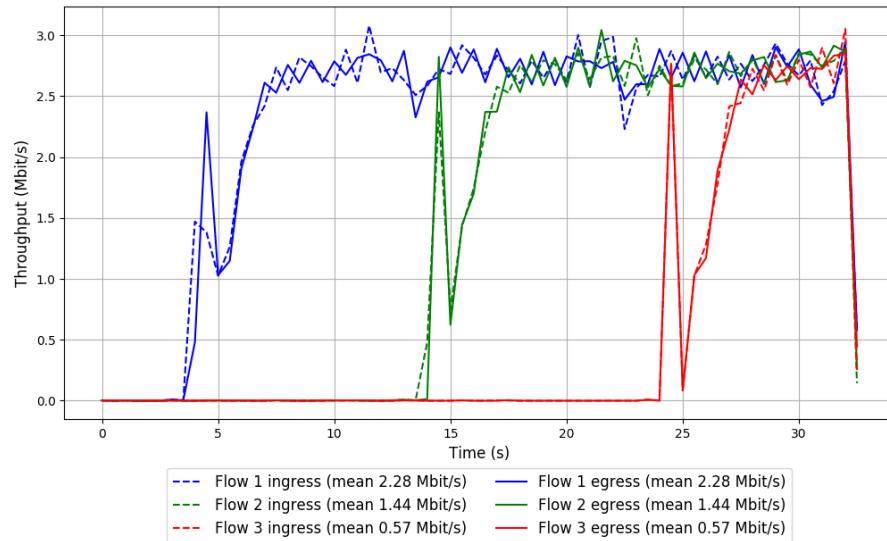


Run 6: Statistics of WebRTC media

```
Start at: 2017-12-06 00:16:01
End at: 2017-12-06 00:16:31
Local clock offset: -0.467 ms
Remote clock offset: -3.983 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 28.679 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.648 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 29.008 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

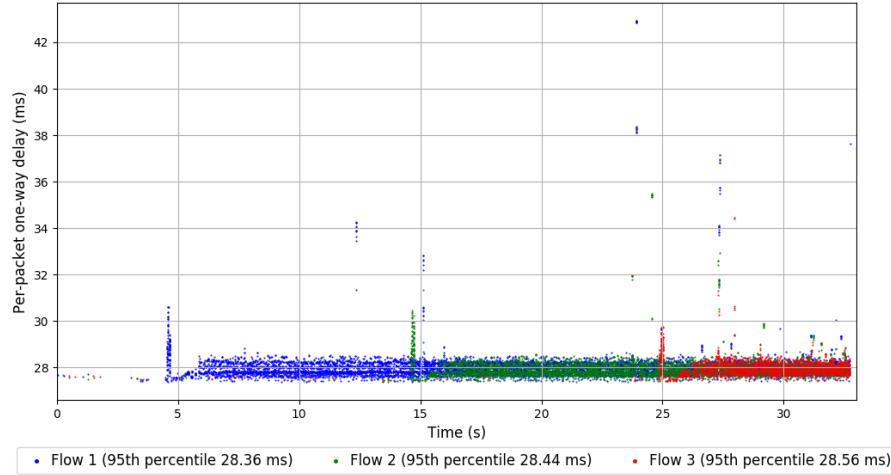
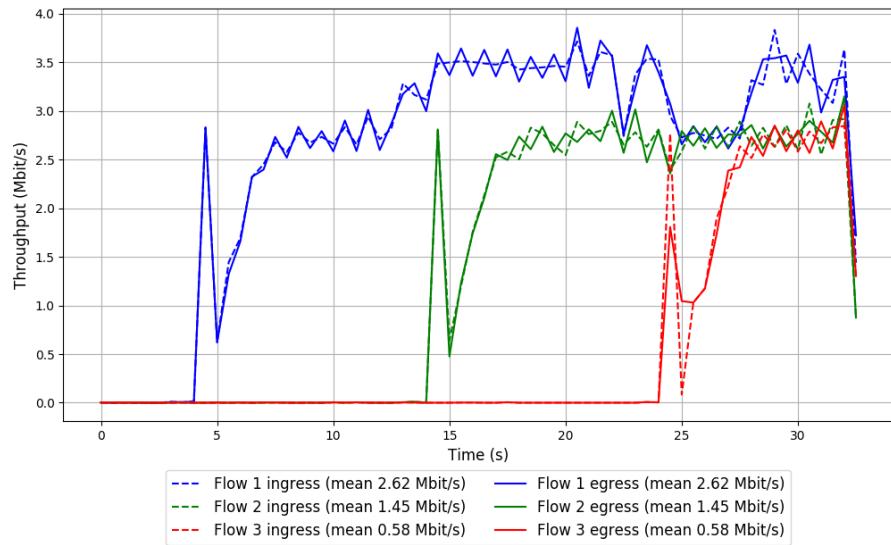


Run 7: Statistics of WebRTC media

```
Start at: 2017-12-06 00:37:23
End at: 2017-12-06 00:37:53
Local clock offset: -0.487 ms
Remote clock offset: -3.302 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 28.409 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 28.364 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 28.436 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 28.562 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

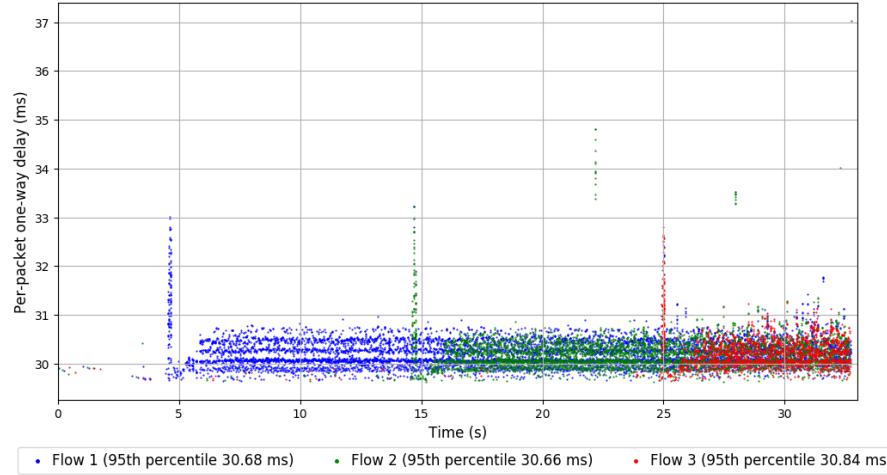
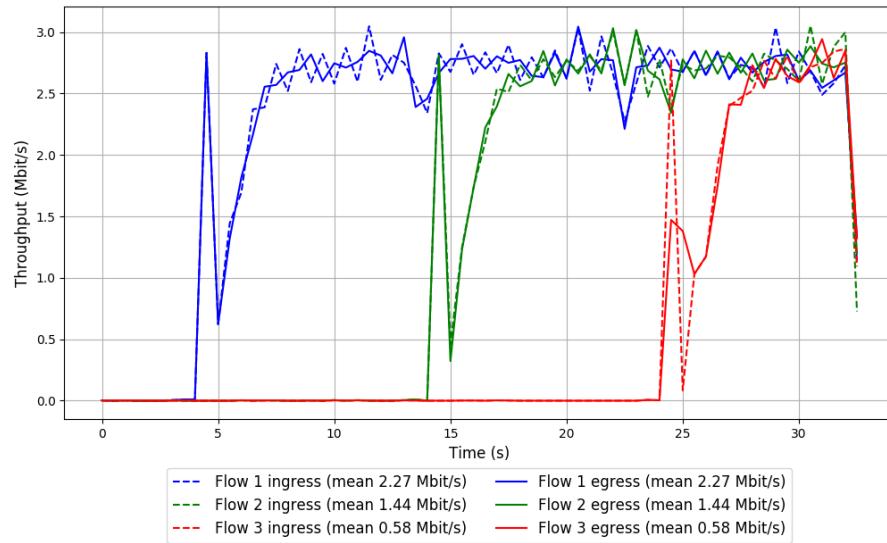


Run 8: Statistics of WebRTC media

```
Start at: 2017-12-06 00:58:49
End at: 2017-12-06 00:59:19
Local clock offset: -0.633 ms
Remote clock offset: -0.667 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 30.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.655 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 30.835 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

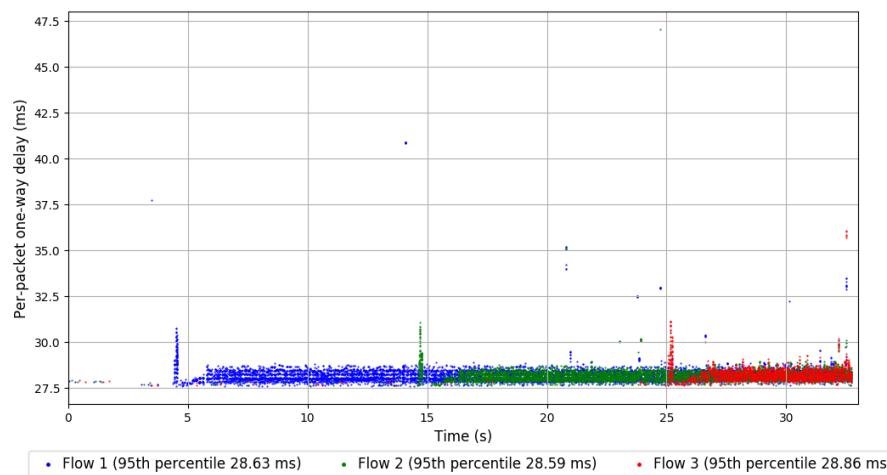
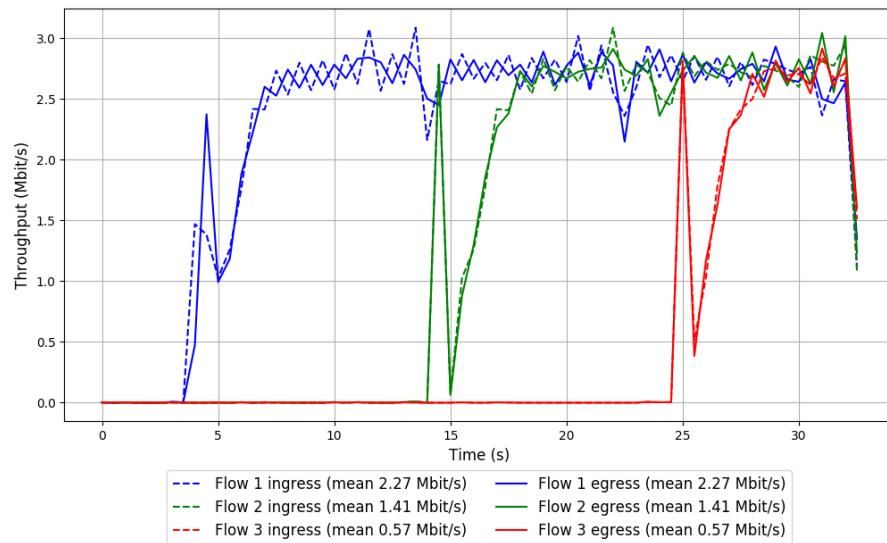


Run 9: Statistics of WebRTC media

```
Start at: 2017-12-06 01:24:00
End at: 2017-12-06 01:24:30
Local clock offset: -0.838 ms
Remote clock offset: -2.844 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 28.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 28.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 28.595 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 28.859 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

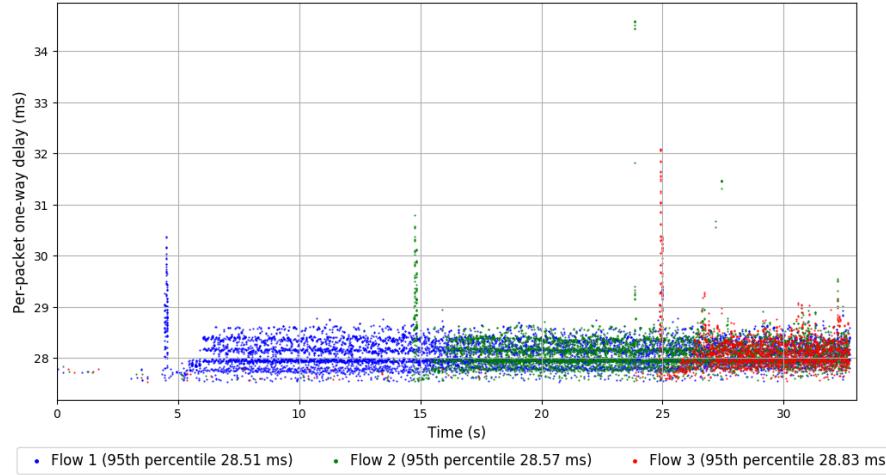
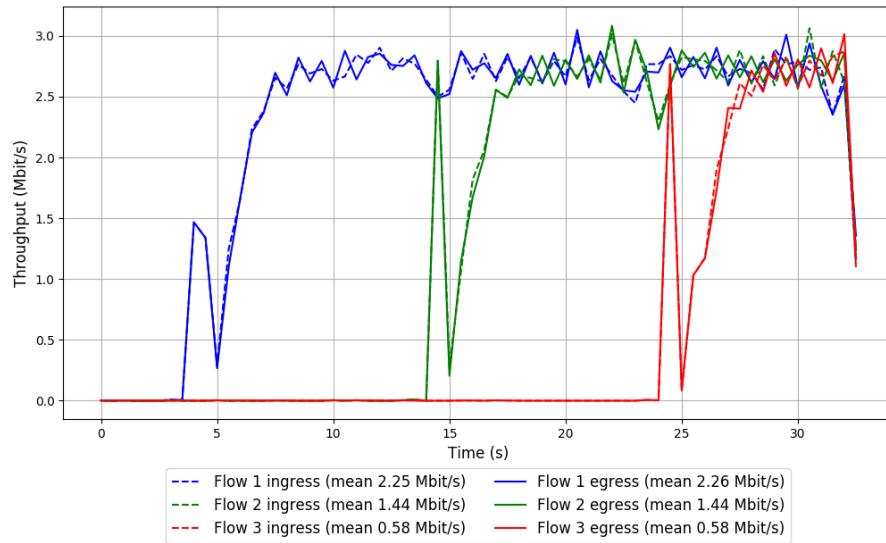


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-12-06 01:48:39
End at: 2017-12-06 01:49:09
Local clock offset: -1.172 ms
Remote clock offset: -3.375 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 28.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 28.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 28.831 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

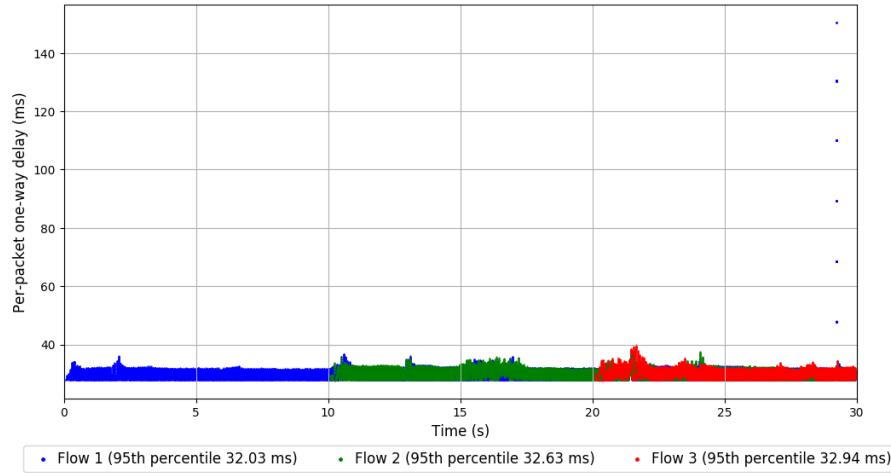
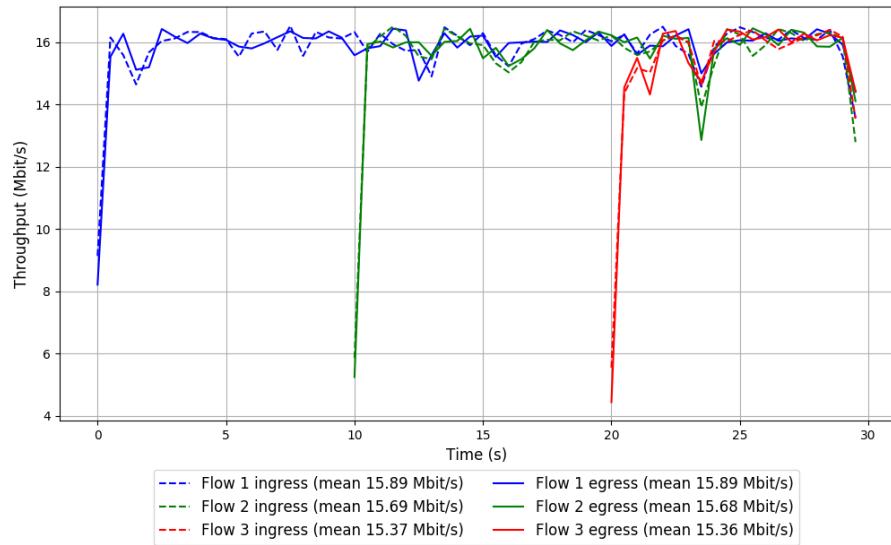


Run 1: Statistics of Sprout

```
Start at: 2017-12-05 22:26:58
End at: 2017-12-05 22:27:28
Local clock offset: -0.35 ms
Remote clock offset: -3.803 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 32.374 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 32.030 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 32.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 32.940 ms
Loss rate: 0.07%
```

Run 1: Report of Sprout — Data Link

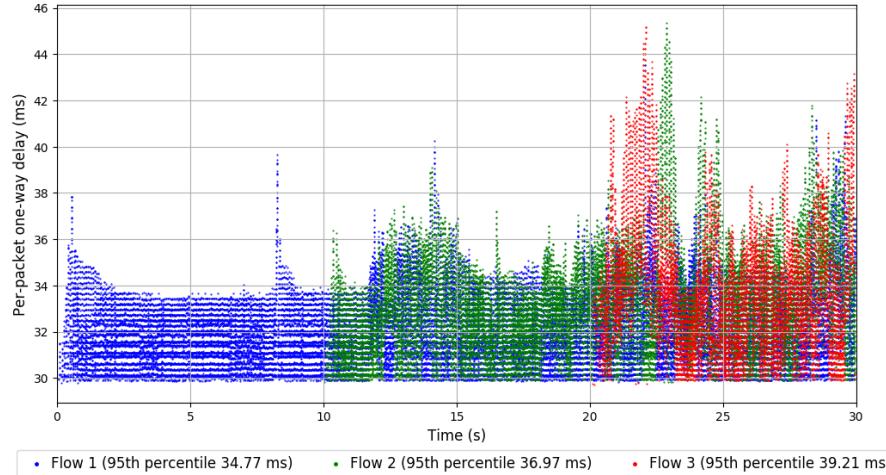
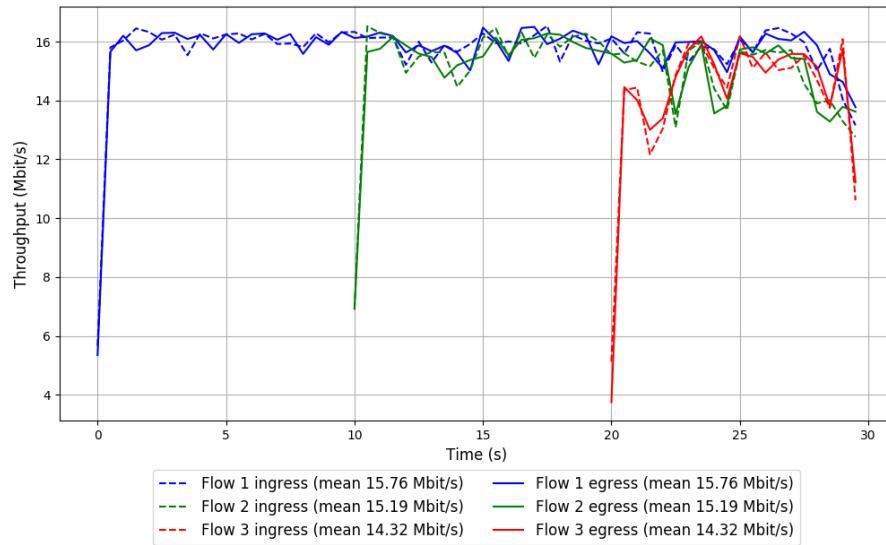


Run 2: Statistics of Sprout

```
Start at: 2017-12-05 22:47:08
End at: 2017-12-05 22:47:38
Local clock offset: -0.355 ms
Remote clock offset: -1.595 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 36.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 34.772 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 36.973 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 39.214 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

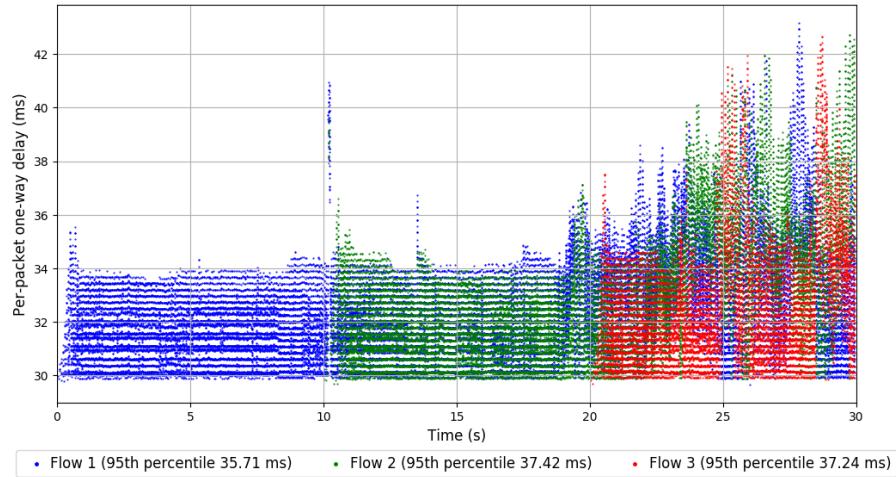
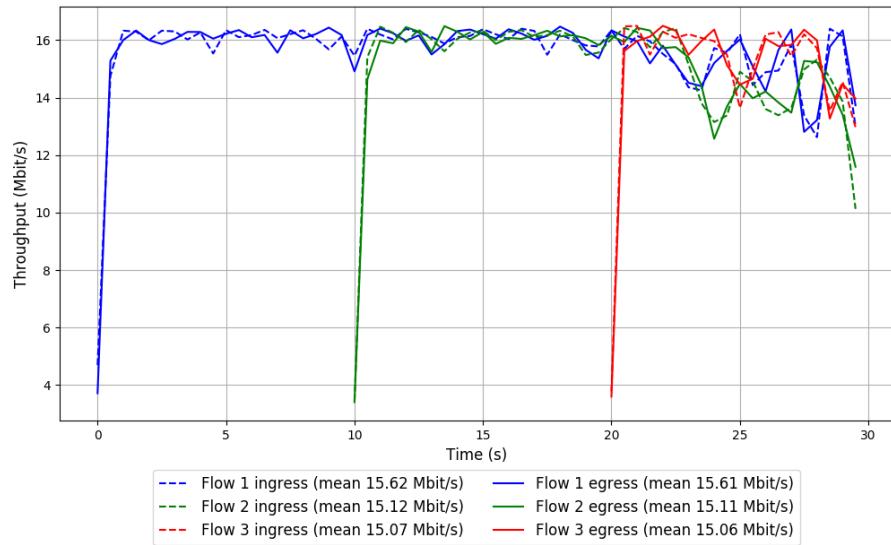


Run 3: Statistics of Sprout

```
Start at: 2017-12-05 23:07:09
End at: 2017-12-05 23:07:39
Local clock offset: -0.256 ms
Remote clock offset: -1.602 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 36.661 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 35.709 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 37.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 37.238 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

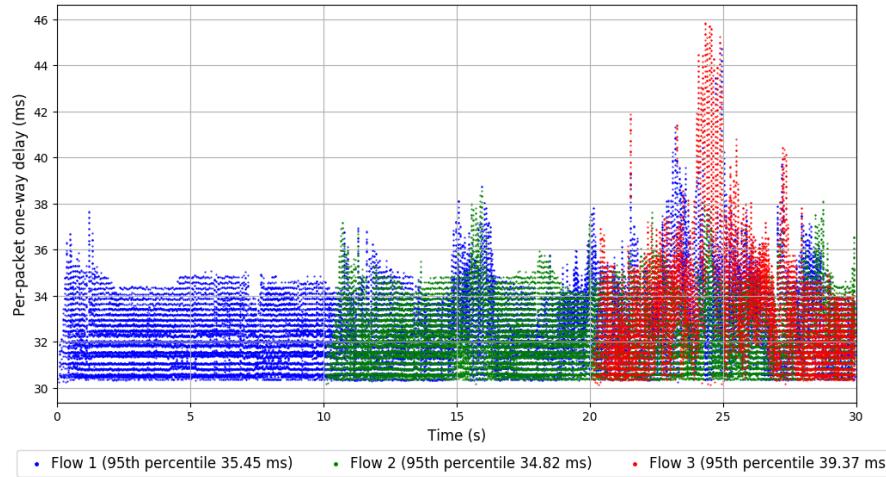
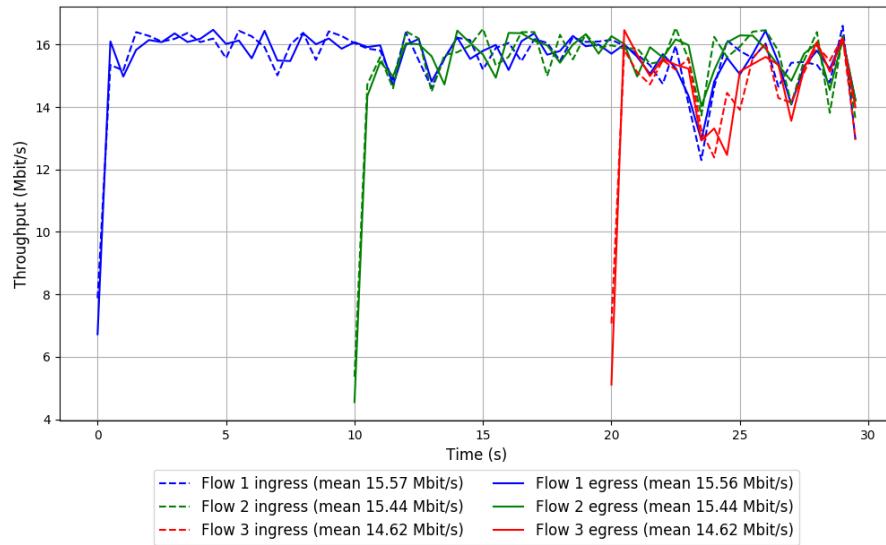


Run 4: Statistics of Sprout

```
Start at: 2017-12-05 23:27:32
End at: 2017-12-05 23:28:02
Local clock offset: -0.266 ms
Remote clock offset: -1.803 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 35.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 35.450 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 34.818 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 39.370 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

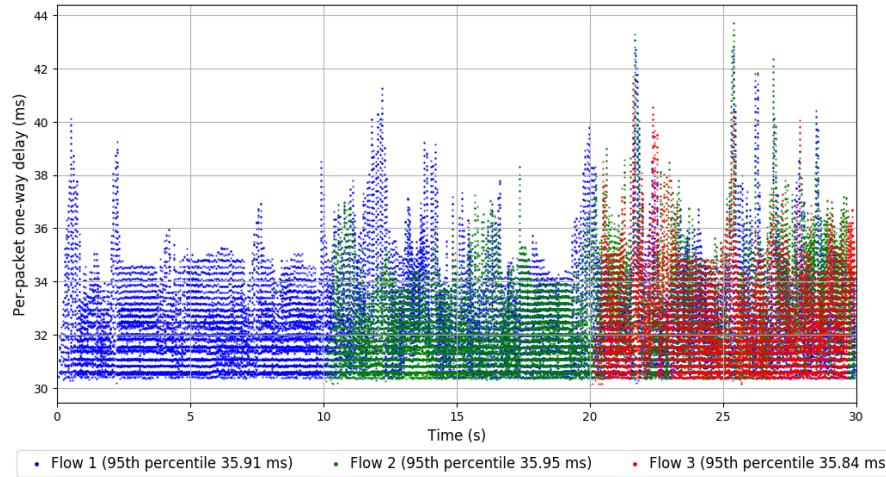
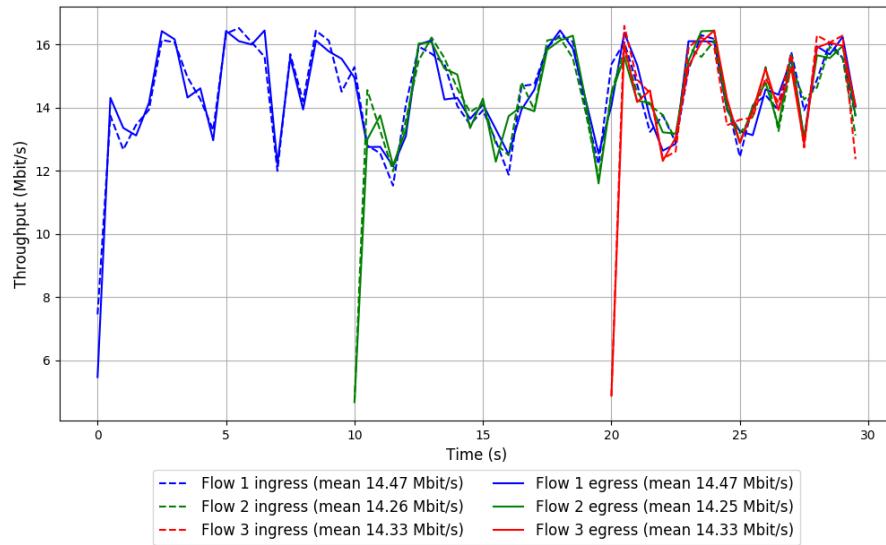


Run 5: Statistics of Sprout

```
Start at: 2017-12-05 23:49:17
End at: 2017-12-05 23:49:47
Local clock offset: -0.408 ms
Remote clock offset: -2.094 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 35.911 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 35.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 35.949 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 14.33 Mbit/s
95th percentile per-packet one-way delay: 35.840 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

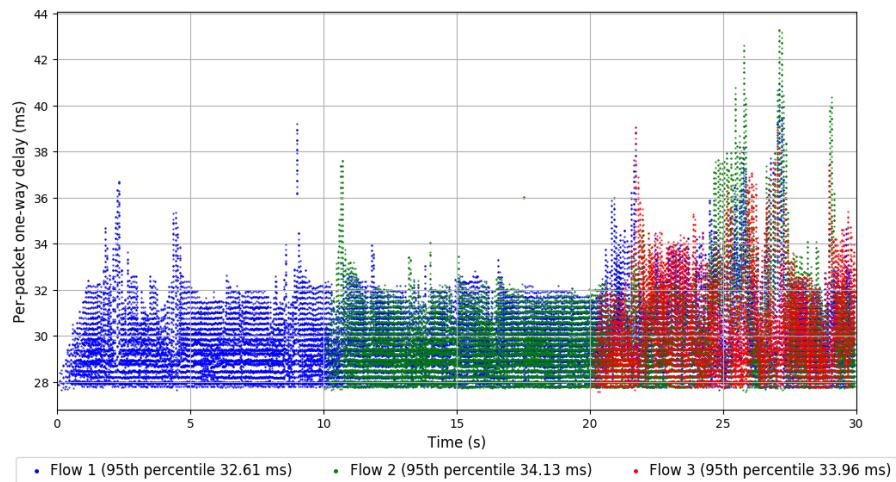
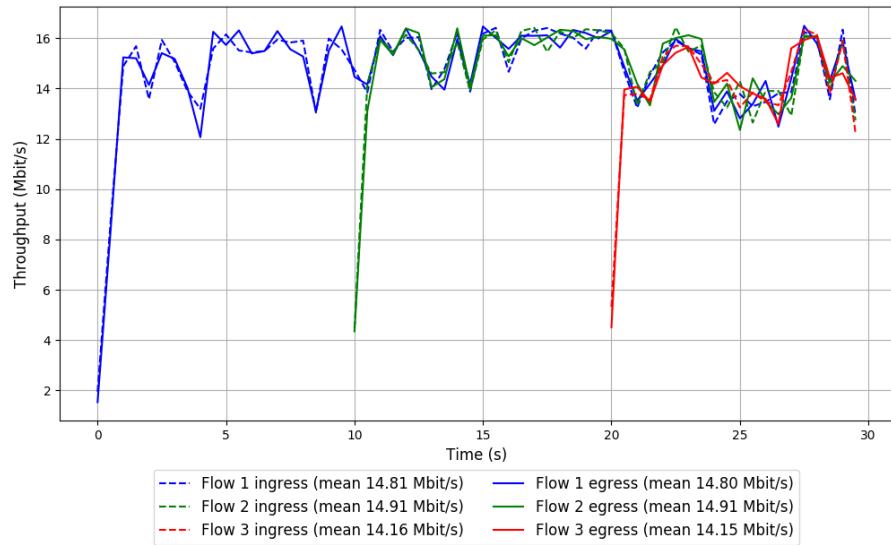


Run 6: Statistics of Sprout

```
Start at: 2017-12-06 00:11:23
End at: 2017-12-06 00:11:53
Local clock offset: -0.354 ms
Remote clock offset: -4.107 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 33.353 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 32.609 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 34.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 33.956 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

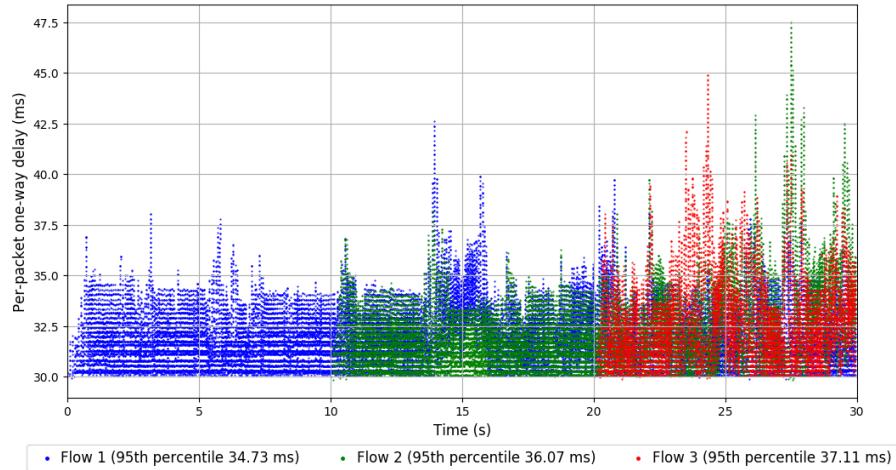
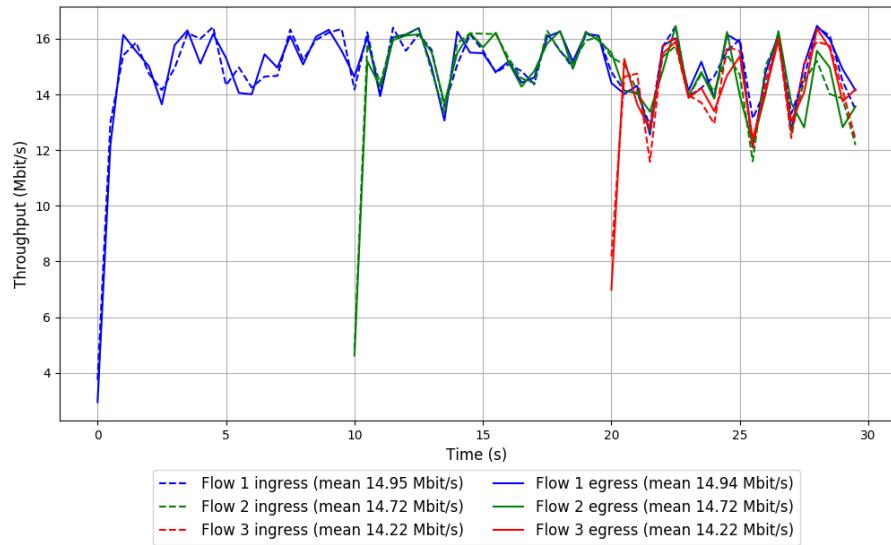


Run 7: Statistics of Sprout

```
Start at: 2017-12-06 00:32:49
End at: 2017-12-06 00:33:19
Local clock offset: -0.568 ms
Remote clock offset: -1.143 ms

# Below is generated by plot.py at 2017-12-06 02:23:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 35.641 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 34.727 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 36.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 37.111 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

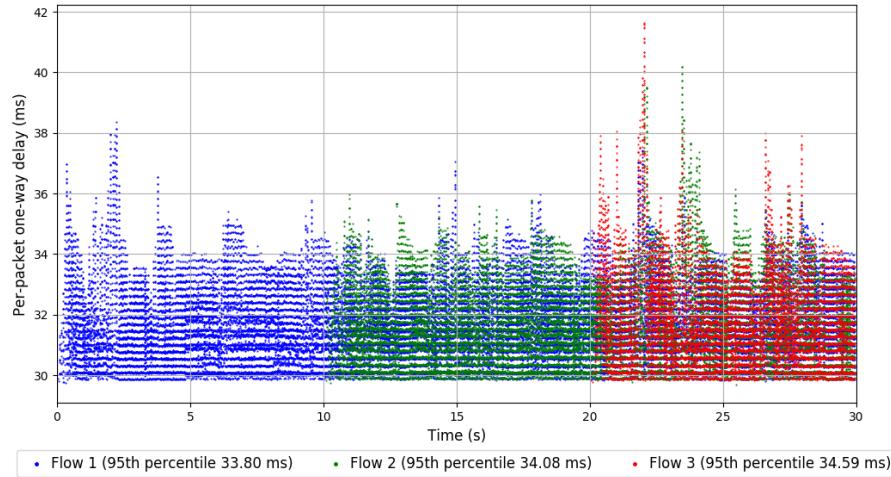
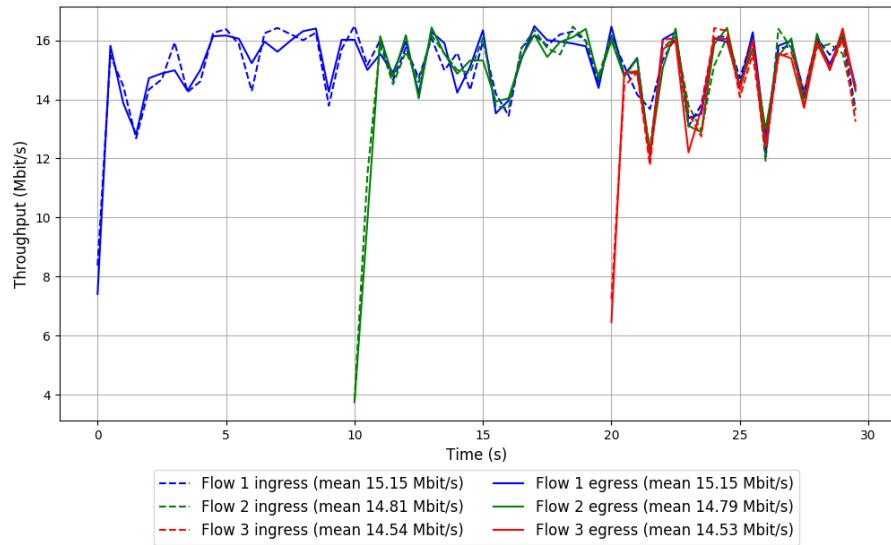


Run 8: Statistics of Sprout

```
Start at: 2017-12-06 00:53:57
End at: 2017-12-06 00:54:27
Local clock offset: -0.582 ms
Remote clock offset: -0.722 ms

# Below is generated by plot.py at 2017-12-06 02:23:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 34.032 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 33.803 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 14.79 Mbit/s
95th percentile per-packet one-way delay: 34.083 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 34.586 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

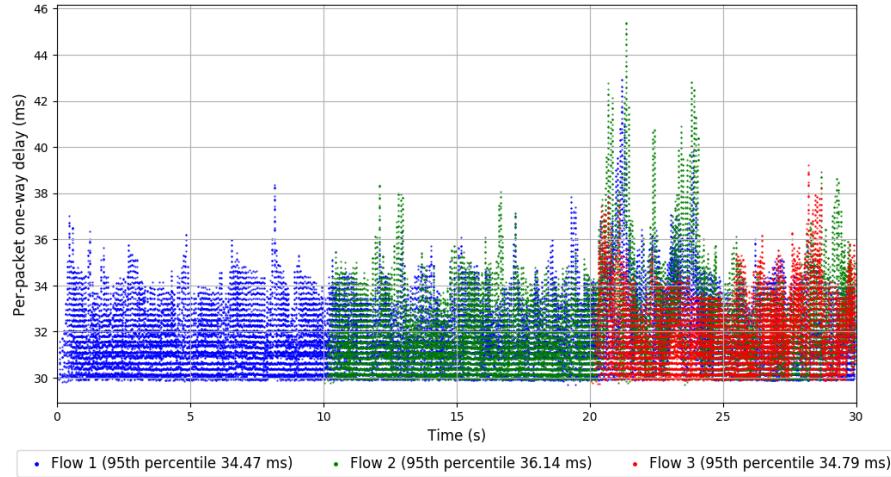
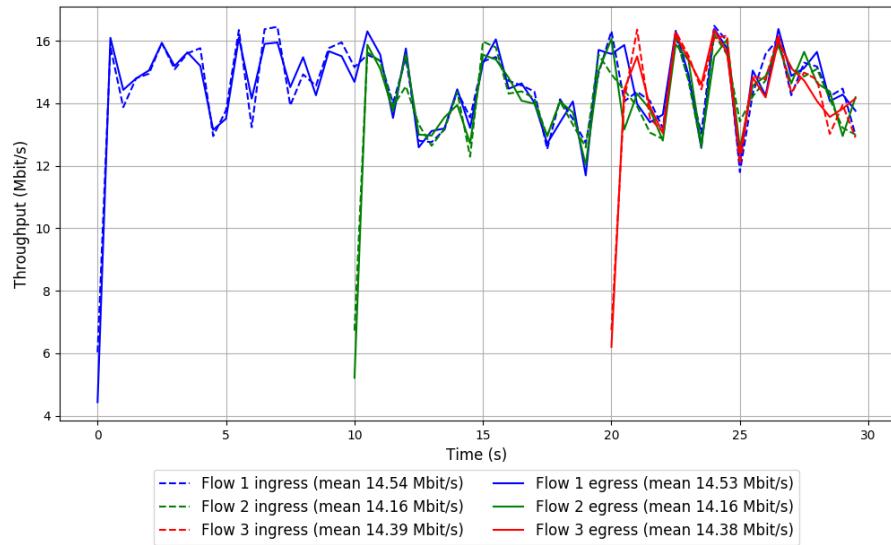


Run 9: Statistics of Sprout

```
Start at: 2017-12-06 01:18:23
End at: 2017-12-06 01:18:53
Local clock offset: -0.794 ms
Remote clock offset: -0.692 ms

# Below is generated by plot.py at 2017-12-06 02:23:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: 34.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 34.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 36.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 34.794 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

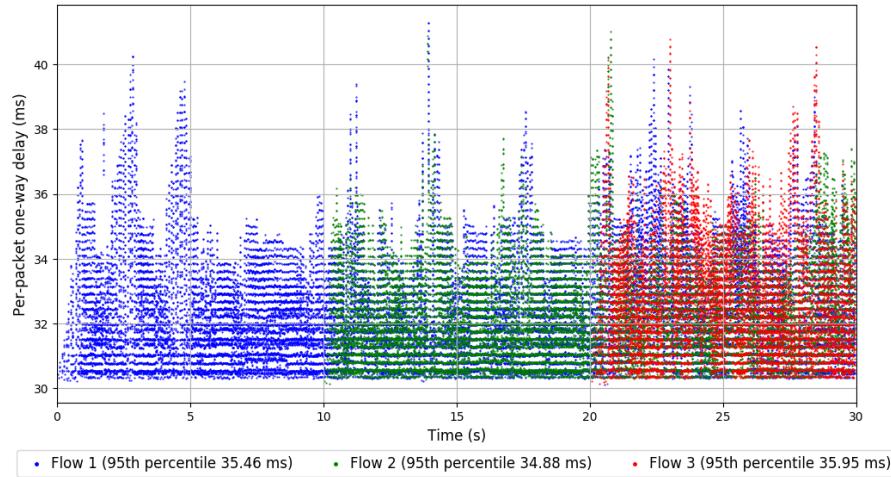
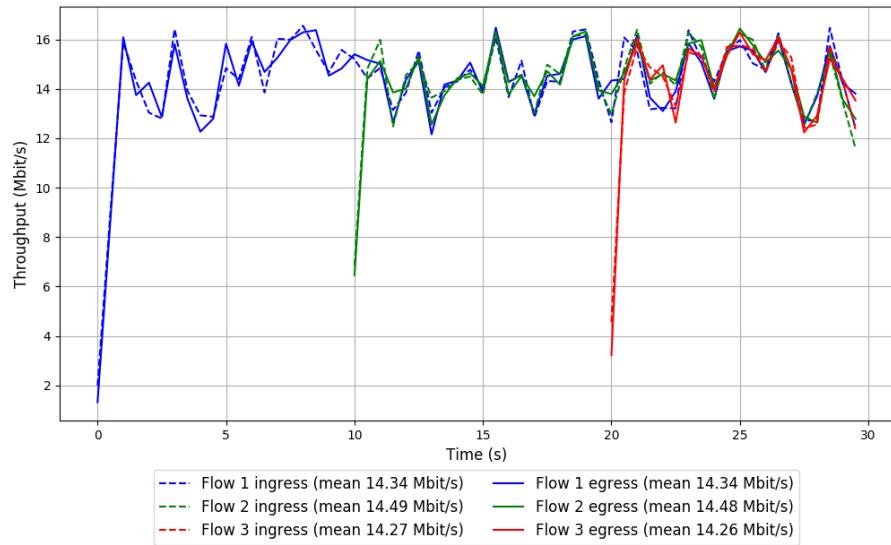


Run 10: Statistics of Sprout

```
Start at: 2017-12-06 01:43:16
End at: 2017-12-06 01:43:46
Local clock offset: -1.048 ms
Remote clock offset: -0.656 ms

# Below is generated by plot.py at 2017-12-06 02:23:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 35.410 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 35.464 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.48 Mbit/s
95th percentile per-packet one-way delay: 34.880 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 14.26 Mbit/s
95th percentile per-packet one-way delay: 35.954 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

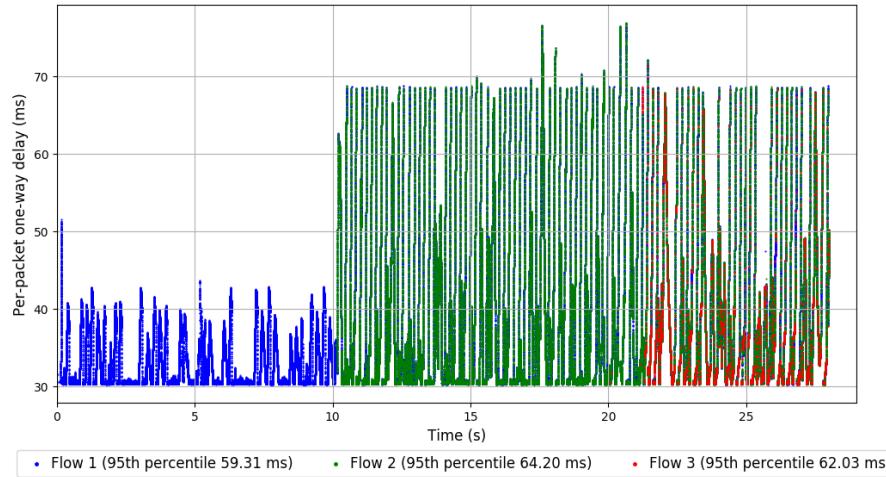
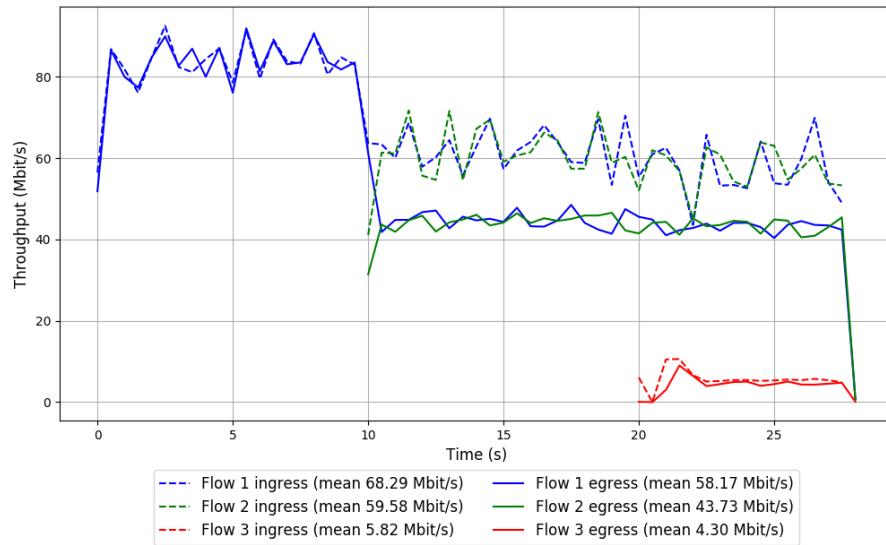


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-12-05 22:15:48
End at: 2017-12-05 22:16:18
Local clock offset: -0.255 ms
Remote clock offset: -1.753 ms

# Below is generated by plot.py at 2017-12-06 02:25:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 61.681 ms
Loss rate: 19.11%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 59.314 ms
Loss rate: 14.77%
-- Flow 2:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 64.197 ms
Loss rate: 26.54%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 62.031 ms
Loss rate: 26.01%
```

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

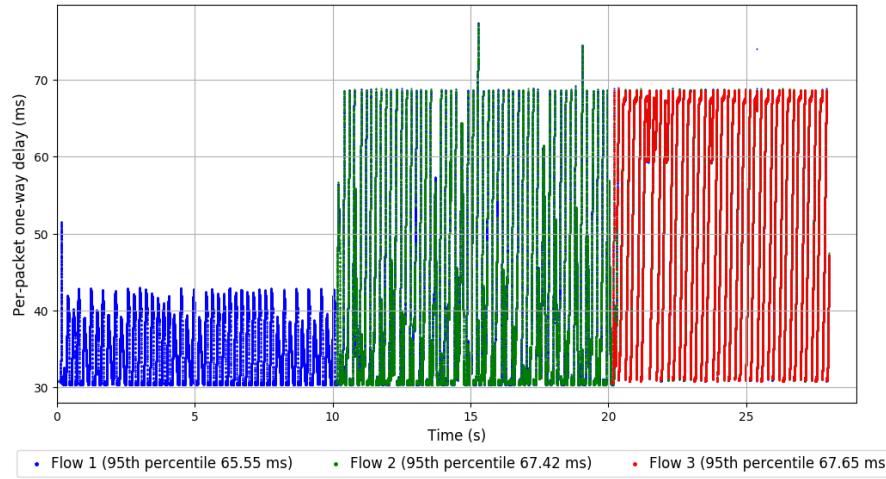
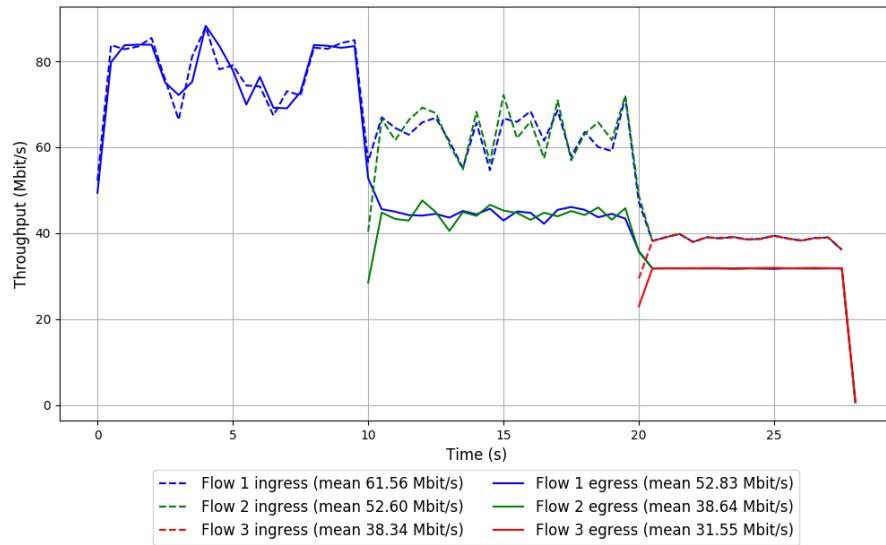


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-12-05 22:37:03
End at: 2017-12-05 22:37:33
Local clock offset: -0.359 ms
Remote clock offset: -1.126 ms

# Below is generated by plot.py at 2017-12-06 02:25:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 67.327 ms
Loss rate: 18.43%
-- Flow 1:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 65.548 ms
Loss rate: 14.13%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 67.425 ms
Loss rate: 26.51%
-- Flow 3:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 67.650 ms
Loss rate: 17.66%
```

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

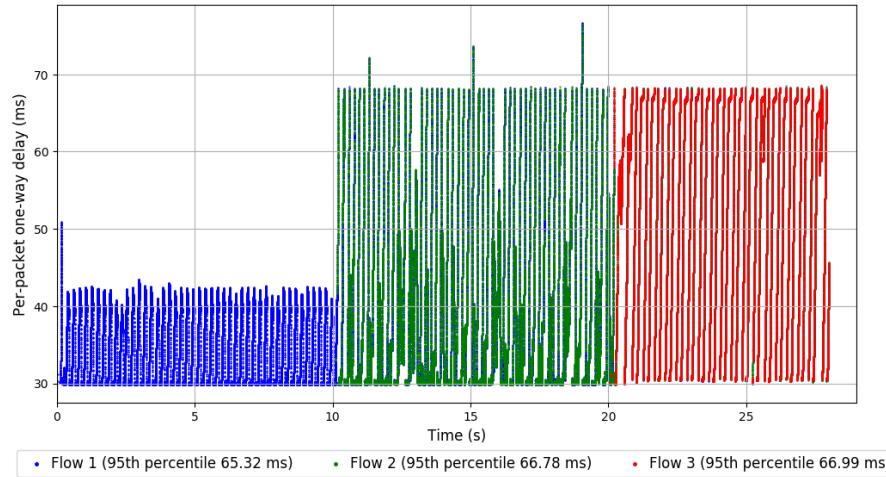
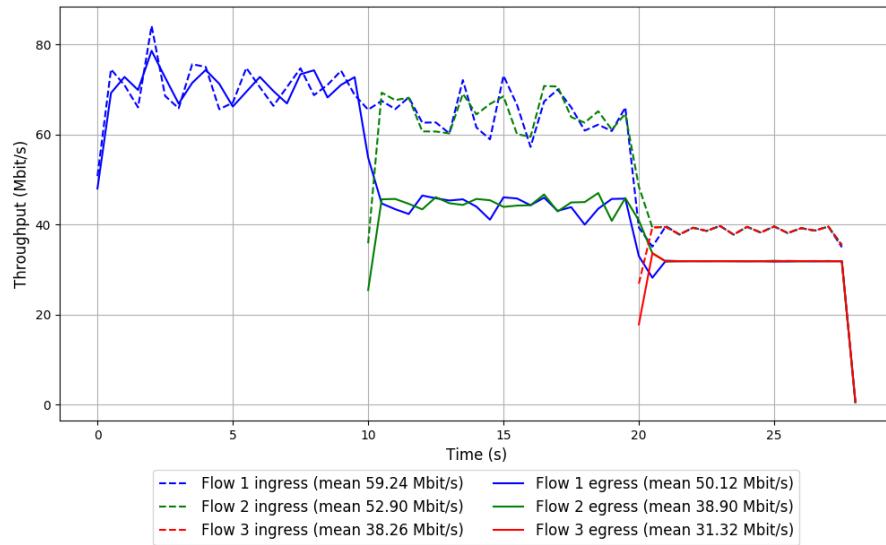


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-12-05 22:57:13
End at: 2017-12-05 22:57:43
Local clock offset: -0.267 ms
Remote clock offset: -1.575 ms

# Below is generated by plot.py at 2017-12-06 02:25:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 66.689 ms
Loss rate: 19.23%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 65.318 ms
Loss rate: 15.36%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 66.780 ms
Loss rate: 26.39%
-- Flow 3:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 66.989 ms
Loss rate: 17.98%
```

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

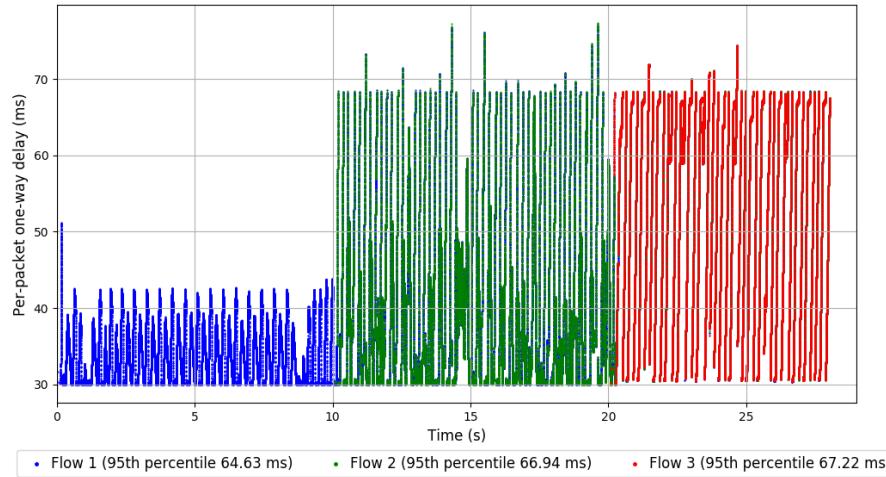
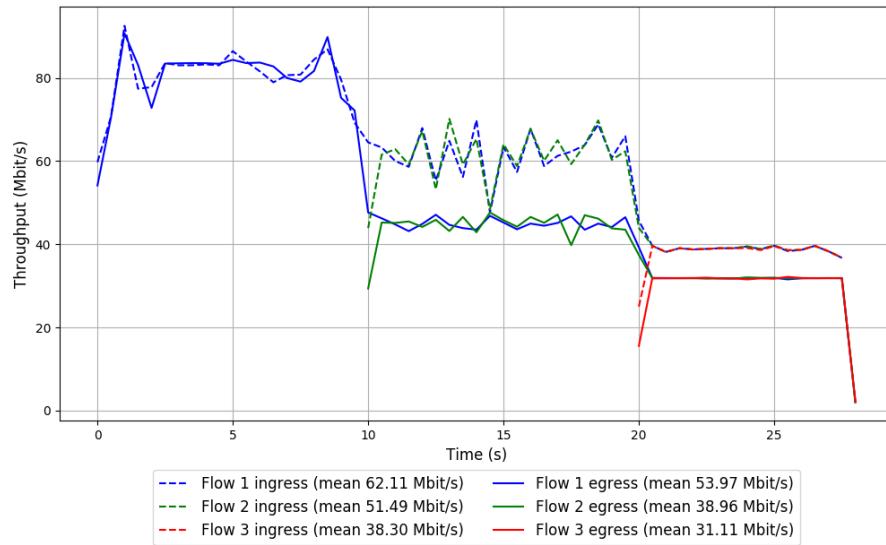


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-12-05 23:17:02
End at: 2017-12-05 23:17:32
Local clock offset: -0.37 ms
Remote clock offset: -1.834 ms

# Below is generated by plot.py at 2017-12-06 02:25:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 66.772 ms
Loss rate: 17.04%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 64.626 ms
Loss rate: 13.00%
-- Flow 2:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 66.937 ms
Loss rate: 24.19%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 67.223 ms
Loss rate: 18.38%
```

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

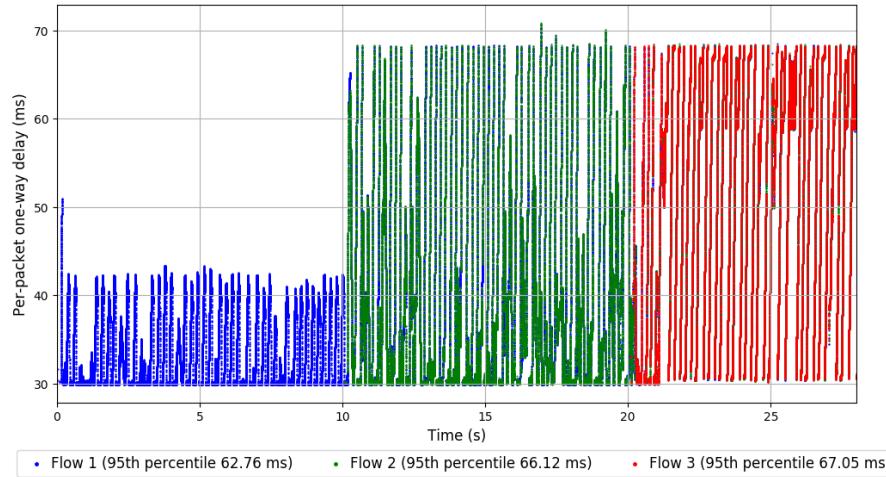
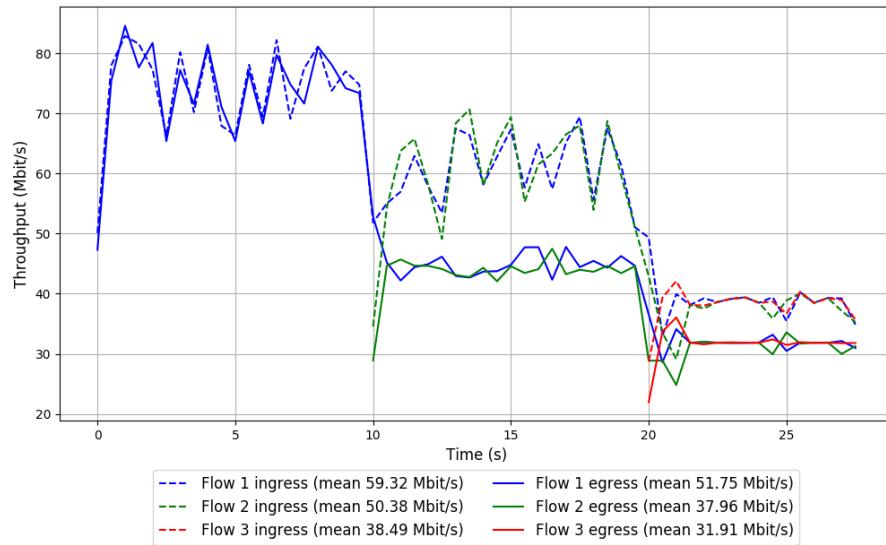


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-12-05 23:37:57
End at: 2017-12-05 23:38:27
Local clock offset: -0.268 ms
Remote clock offset: -2.498 ms

# Below is generated by plot.py at 2017-12-06 02:25:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 65.197 ms
Loss rate: 16.97%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 62.761 ms
Loss rate: 12.77%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 66.119 ms
Loss rate: 24.64%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 67.054 ms
Loss rate: 17.12%
```

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

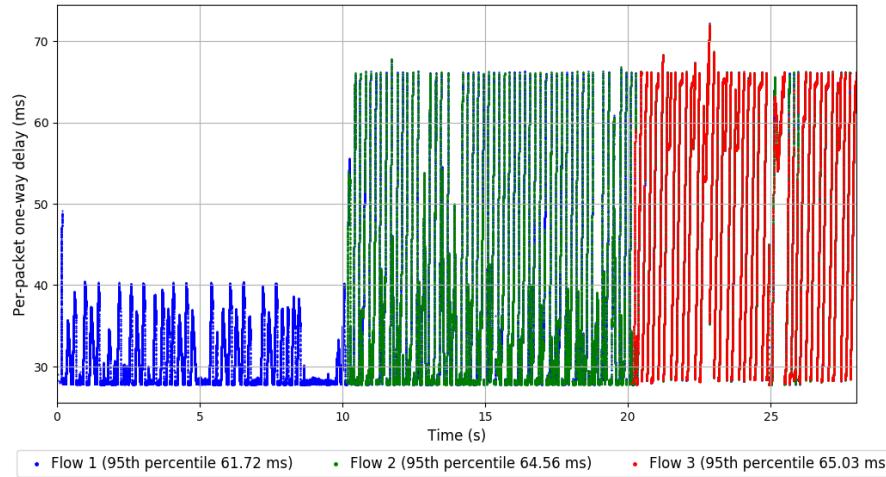
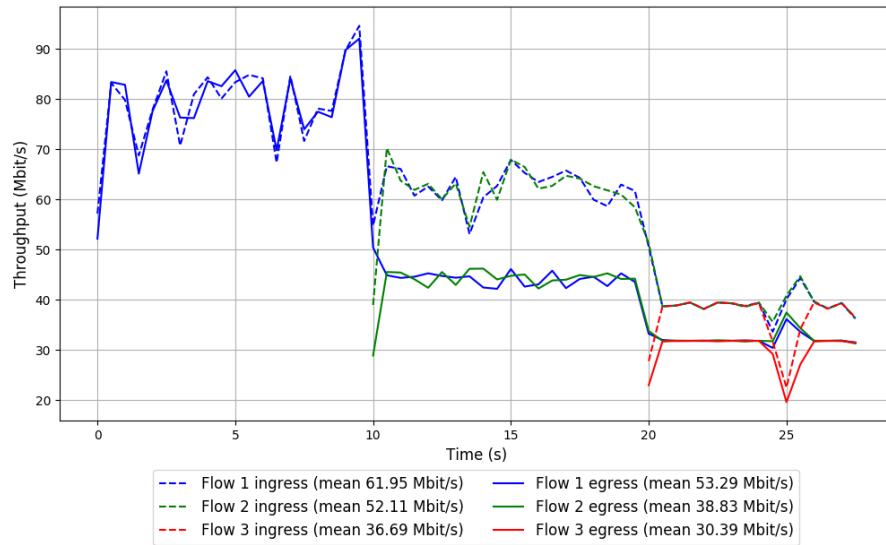


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-12-06 00:00:08
End at: 2017-12-06 00:00:38
Local clock offset: -0.333 ms
Remote clock offset: -4.346 ms

# Below is generated by plot.py at 2017-12-06 02:25:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 64.270 ms
Loss rate: 17.97%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 61.723 ms
Loss rate: 13.97%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 64.556 ms
Loss rate: 25.52%
-- Flow 3:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 65.027 ms
Loss rate: 17.47%
```

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

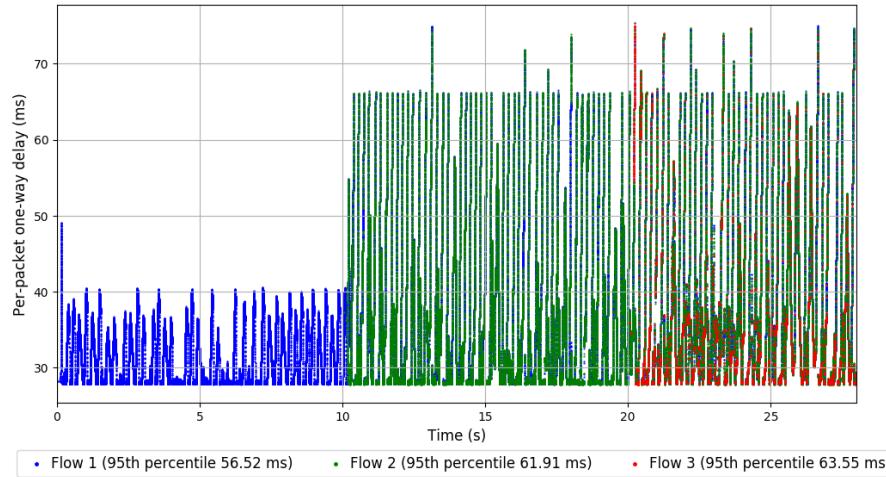
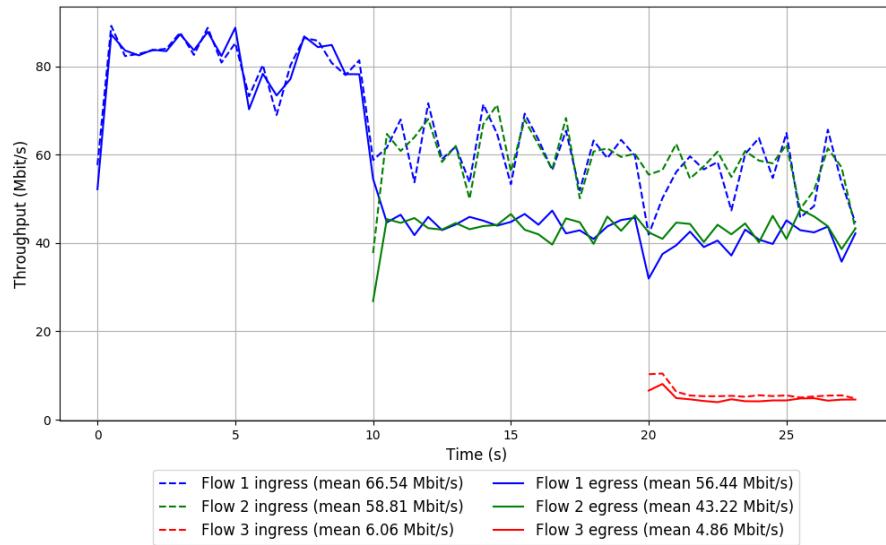


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-12-06 00:22:02
End at: 2017-12-06 00:22:32
Local clock offset: -0.5 ms
Remote clock offset: -3.768 ms

# Below is generated by plot.py at 2017-12-06 02:25:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 59.310 ms
Loss rate: 19.29%
-- Flow 1:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 56.520 ms
Loss rate: 15.17%
-- Flow 2:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 61.913 ms
Loss rate: 26.54%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 63.546 ms
Loss rate: 19.85%
```

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

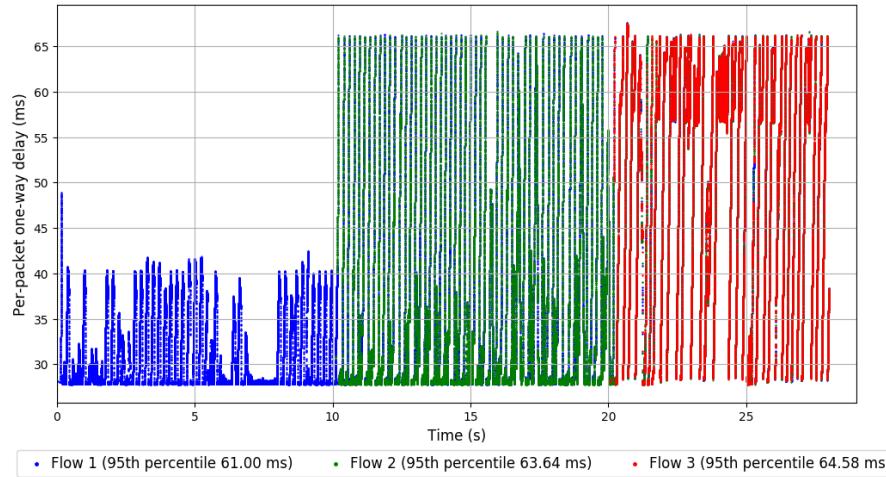
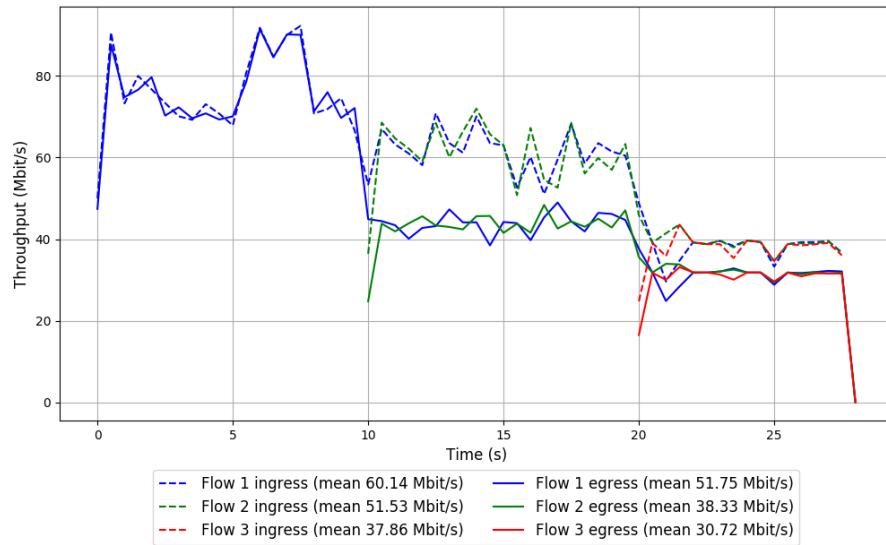


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-12-06 00:43:24
End at: 2017-12-06 00:43:54
Local clock offset: -0.51 ms
Remote clock offset: -2.939 ms

# Below is generated by plot.py at 2017-12-06 02:25:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: 62.955 ms
Loss rate: 18.12%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 60.996 ms
Loss rate: 13.91%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 63.637 ms
Loss rate: 25.57%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 64.578 ms
Loss rate: 18.75%
```

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

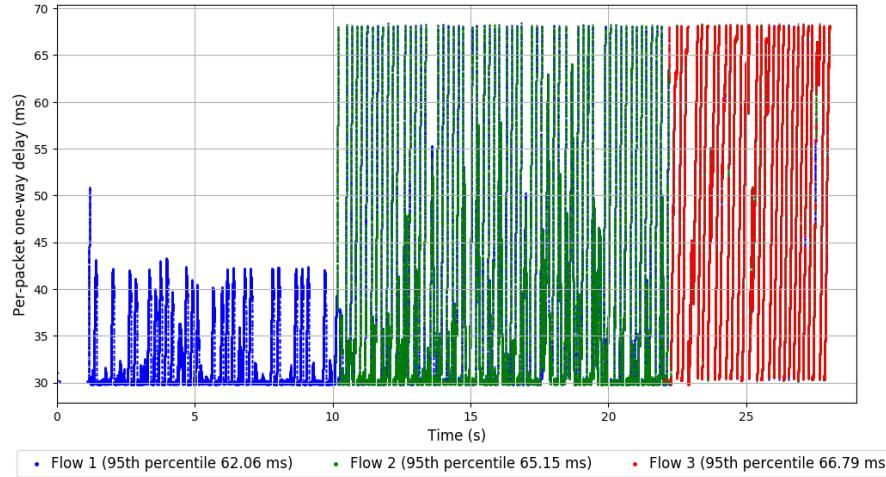
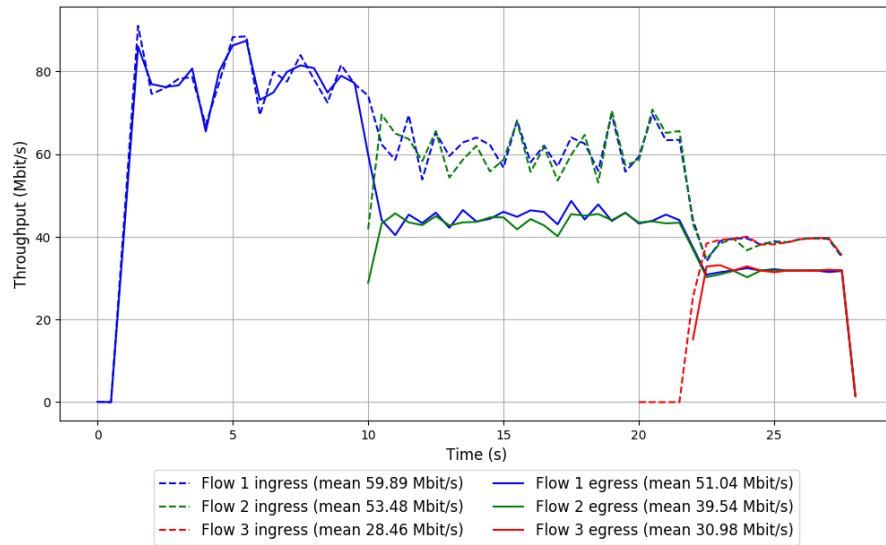


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-12-06 01:05:16
End at: 2017-12-06 01:05:46
Local clock offset: -0.774 ms
Remote clock offset: -0.743 ms

# Below is generated by plot.py at 2017-12-06 02:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.05 Mbit/s
95th percentile per-packet one-way delay: 64.206 ms
Loss rate: 18.75%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 62.062 ms
Loss rate: 14.69%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 65.146 ms
Loss rate: 25.95%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 66.787 ms
Loss rate: 18.18%
```

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

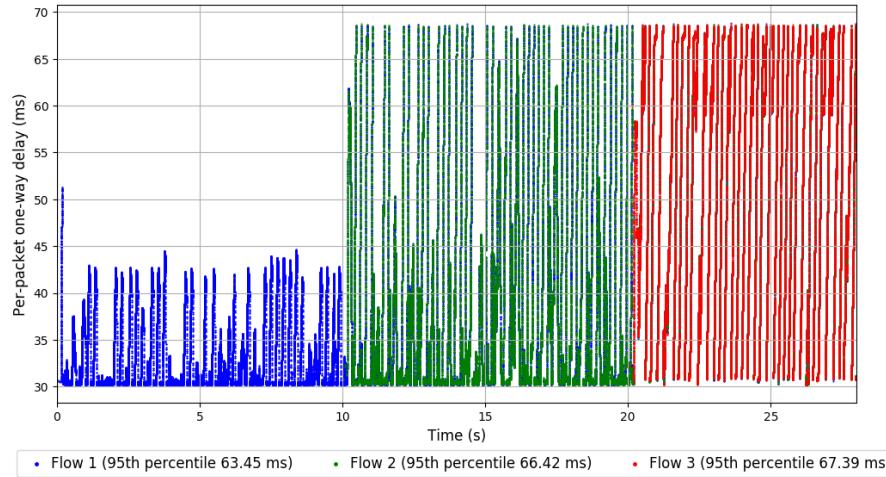
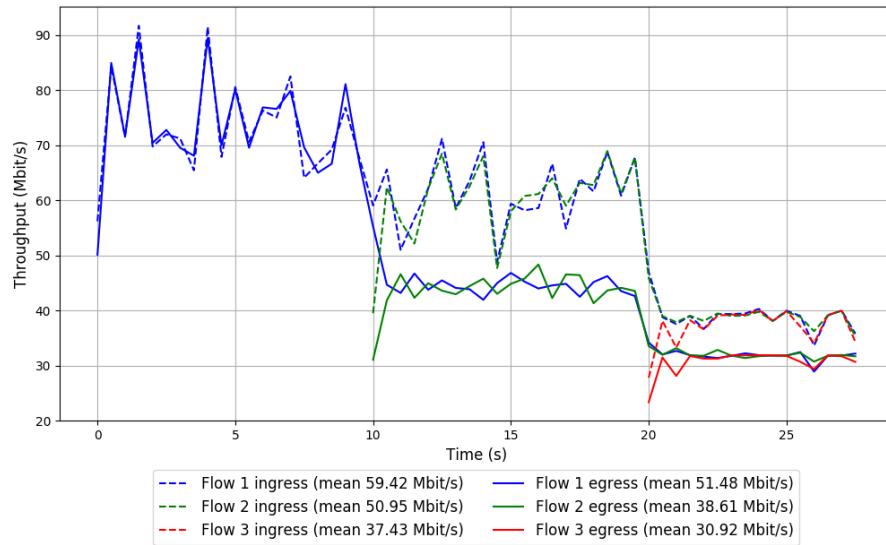


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-12-06 01:30:29
End at: 2017-12-06 01:30:59
Local clock offset: -0.903 ms
Remote clock offset: -0.514 ms

# Below is generated by plot.py at 2017-12-06 02:27:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 65.710 ms
Loss rate: 17.24%
-- Flow 1:
Average throughput: 51.48 Mbit/s
95th percentile per-packet one-way delay: 63.454 ms
Loss rate: 13.36%
-- Flow 2:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 66.415 ms
Loss rate: 24.23%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 67.385 ms
Loss rate: 17.41%
```

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

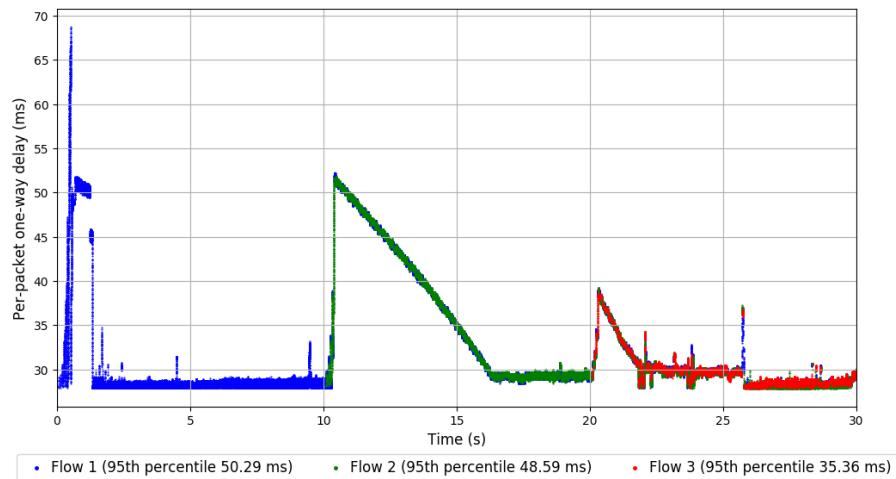
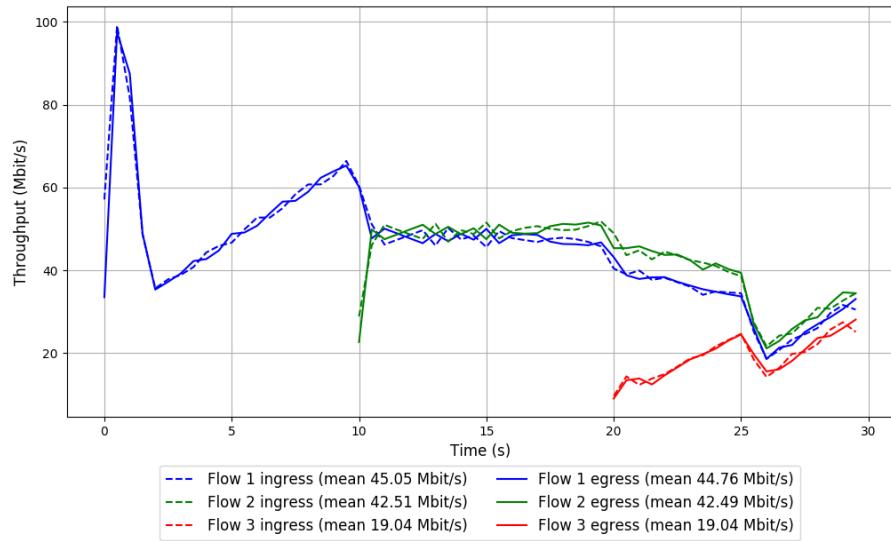


Run 1: Statistics of TCP Vegas

```
Start at: 2017-12-05 22:28:19
End at: 2017-12-05 22:28:49
Local clock offset: -0.377 ms
Remote clock offset: -3.742 ms

# Below is generated by plot.py at 2017-12-06 02:27:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.35 Mbit/s
95th percentile per-packet one-way delay: 49.565 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 50.287 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 48.594 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 35.357 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

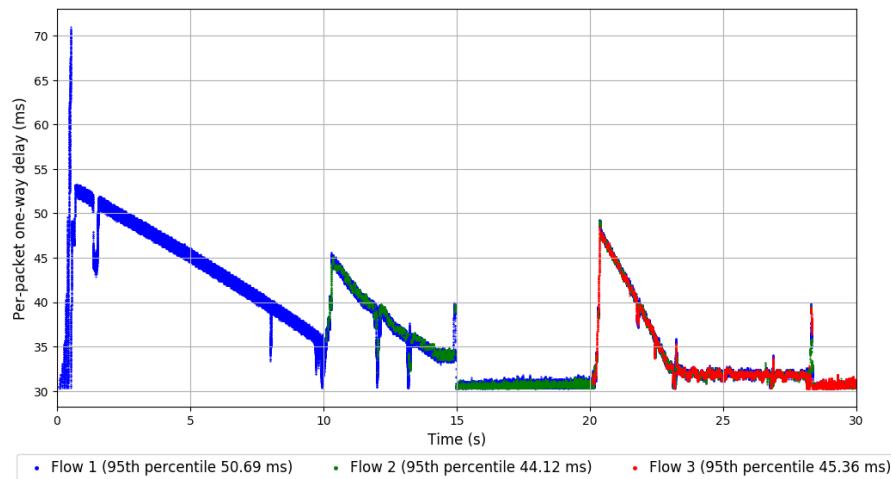
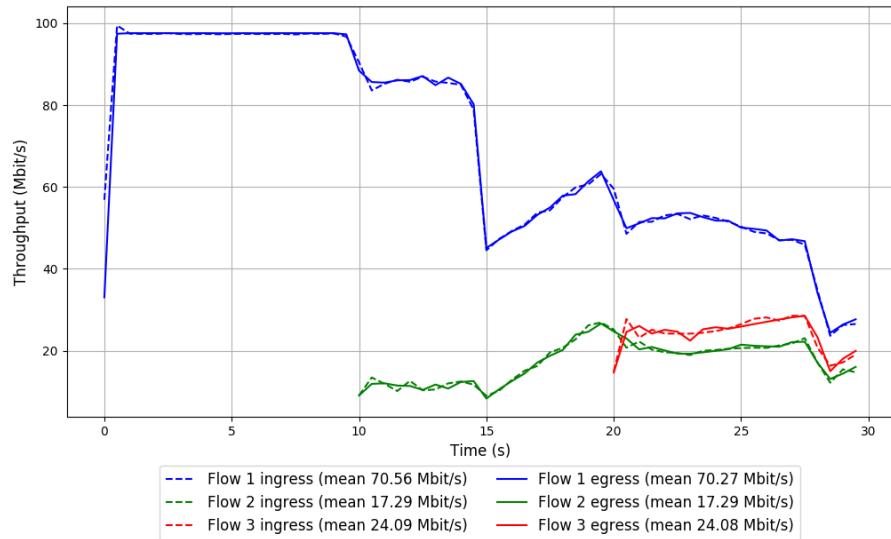


Run 2: Statistics of TCP Vegas

```
Start at: 2017-12-05 22:48:29
End at: 2017-12-05 22:48:59
Local clock offset: -0.266 ms
Remote clock offset: -1.082 ms

# Below is generated by plot.py at 2017-12-06 02:27:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 50.178 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 50.686 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 17.29 Mbit/s
95th percentile per-packet one-way delay: 44.119 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 45.363 ms
Loss rate: 0.04%
```

Run 2: Report of TCP Vegas — Data Link

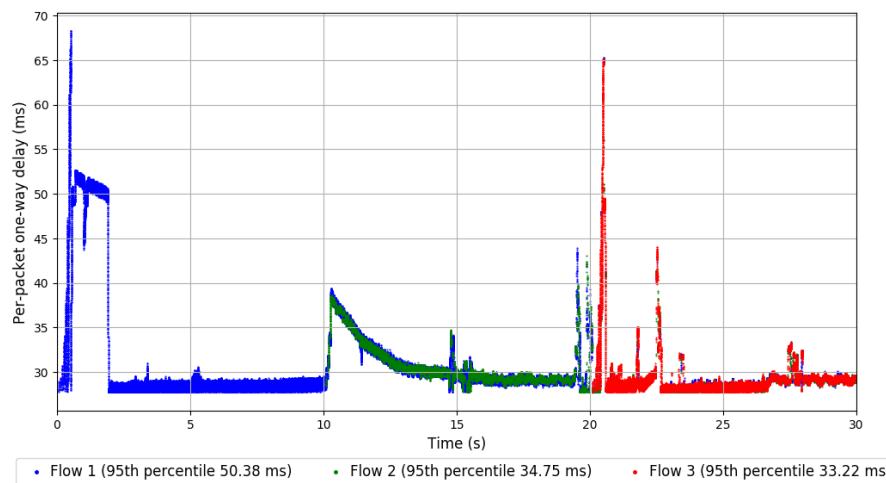
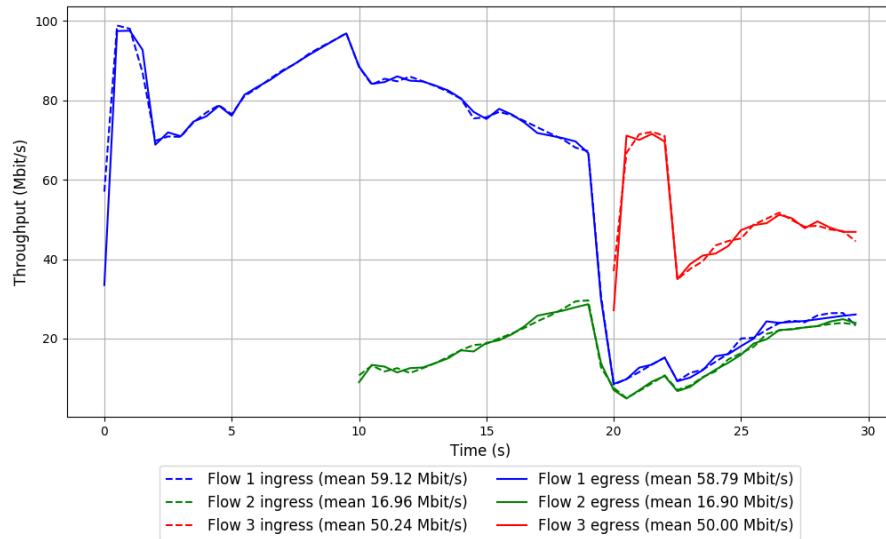


Run 3: Statistics of TCP Vegas

```
Start at: 2017-12-05 23:08:28
End at: 2017-12-05 23:08:58
Local clock offset: -0.34 ms
Remote clock offset: -3.777 ms

# Below is generated by plot.py at 2017-12-06 02:27:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 49.177 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 50.381 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 16.90 Mbit/s
95th percentile per-packet one-way delay: 34.751 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 33.224 ms
Loss rate: 0.54%
```

Run 3: Report of TCP Vegas — Data Link

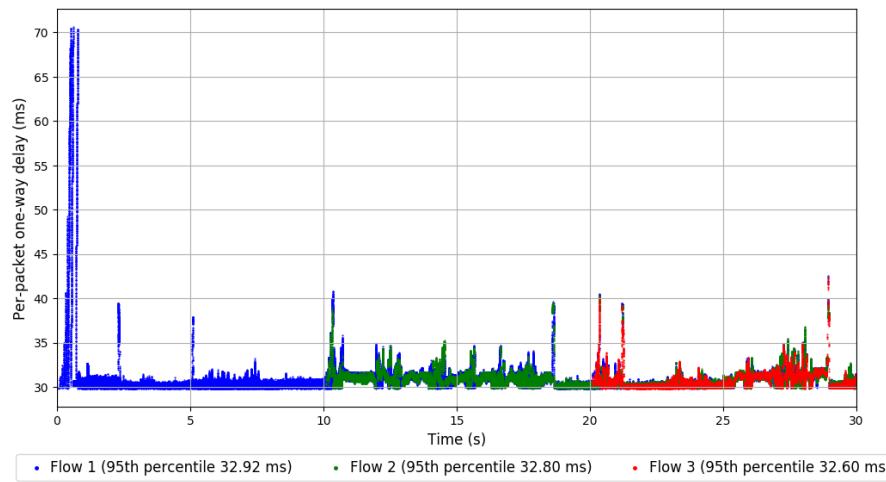
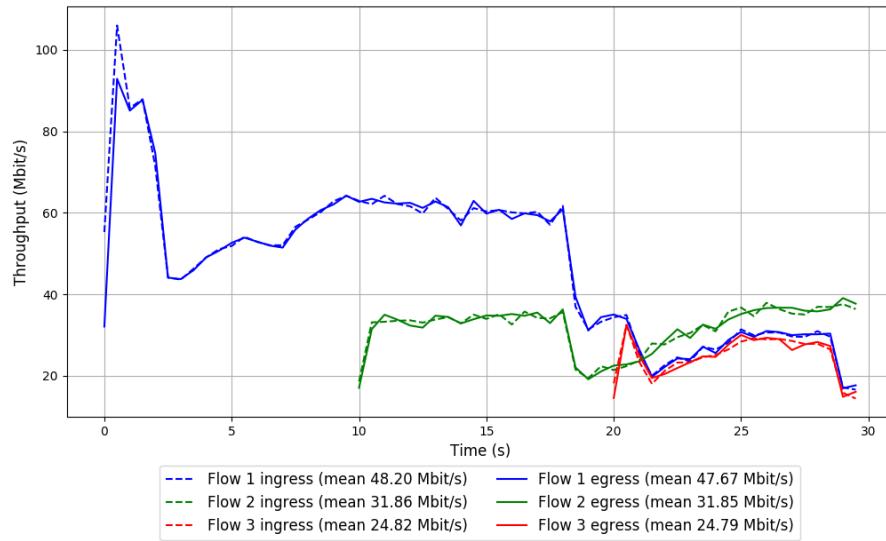


Run 4: Statistics of TCP Vegas

```
Start at: 2017-12-05 23:28:53
End at: 2017-12-05 23:29:23
Local clock offset: -0.357 ms
Remote clock offset: -2.43 ms

# Below is generated by plot.py at 2017-12-06 02:27:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 32.841 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 32.924 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 32.800 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 32.603 ms
Loss rate: 0.14%
```

Run 4: Report of TCP Vegas — Data Link

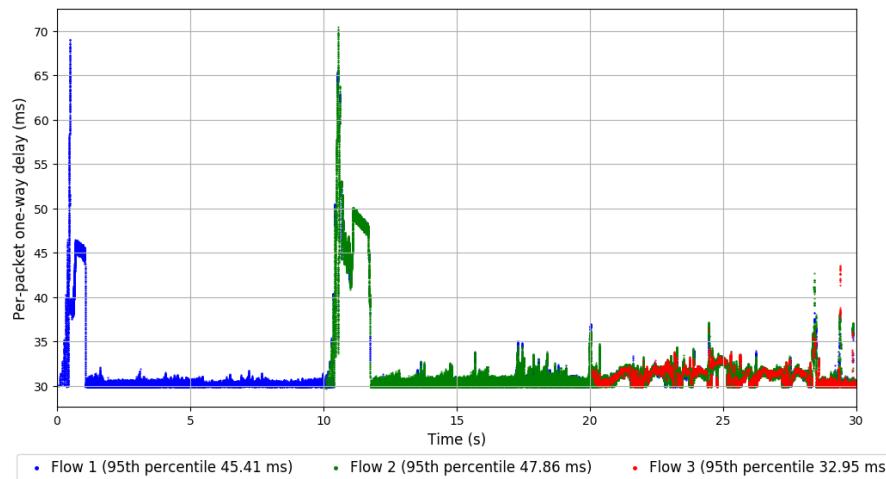
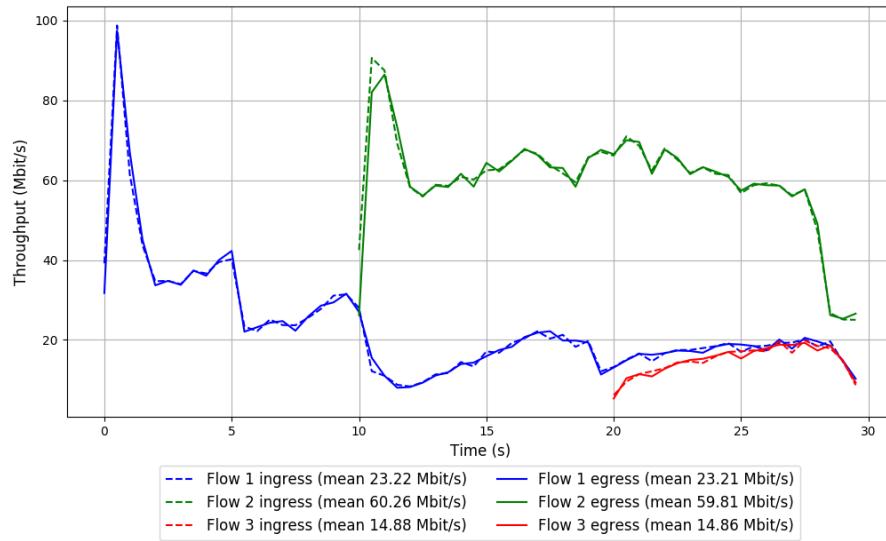


Run 5: Statistics of TCP Vegas

```
Start at: 2017-12-05 23:50:37
End at: 2017-12-05 23:51:07
Local clock offset: -0.416 ms
Remote clock offset: -2.533 ms

# Below is generated by plot.py at 2017-12-06 02:27:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.95 Mbit/s
95th percentile per-packet one-way delay: 45.831 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 45.415 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 47.861 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 32.955 ms
Loss rate: 0.24%
```

Run 5: Report of TCP Vegas — Data Link

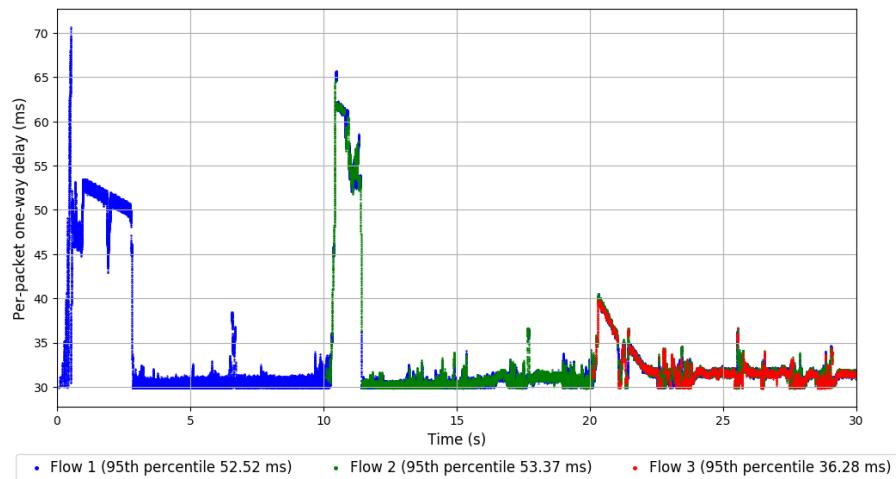
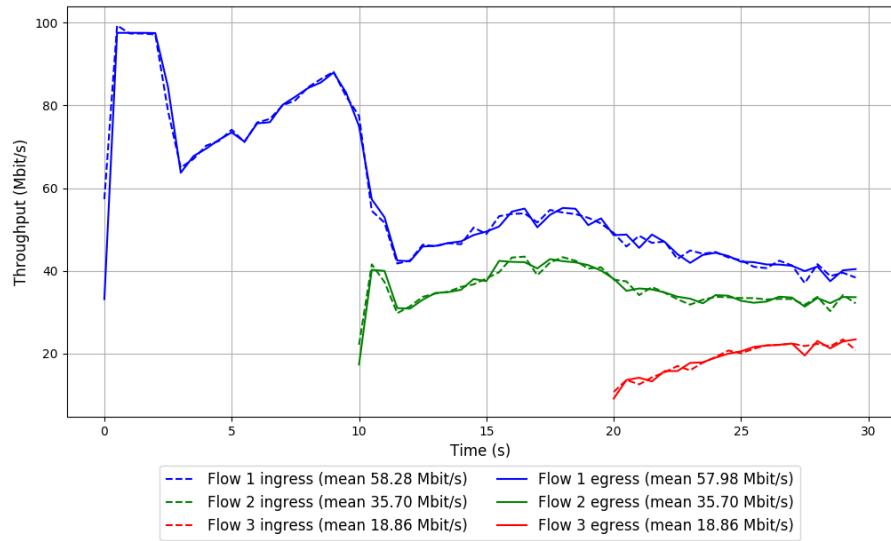


Run 6: Statistics of TCP Vegas

```
Start at: 2017-12-06 00:12:45
End at: 2017-12-06 00:13:15
Local clock offset: -0.465 ms
Remote clock offset: -2.068 ms

# Below is generated by plot.py at 2017-12-06 02:27:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 52.463 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 52.521 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 35.70 Mbit/s
95th percentile per-packet one-way delay: 53.365 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 36.284 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

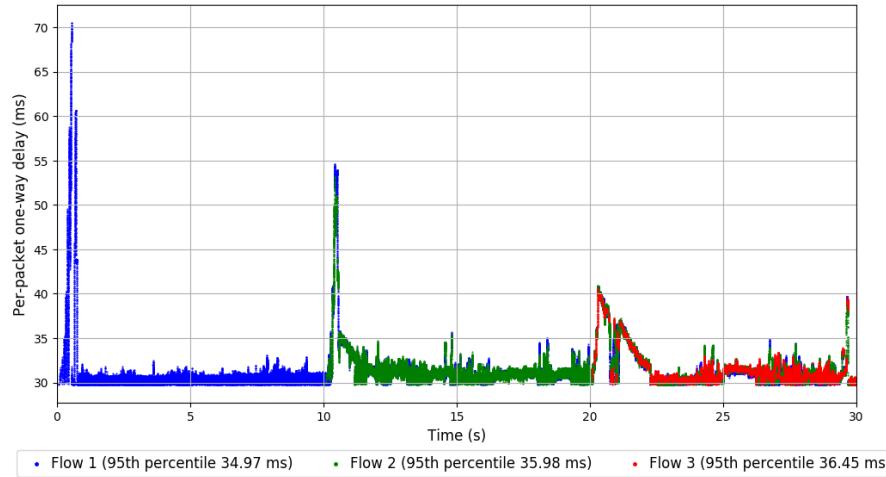
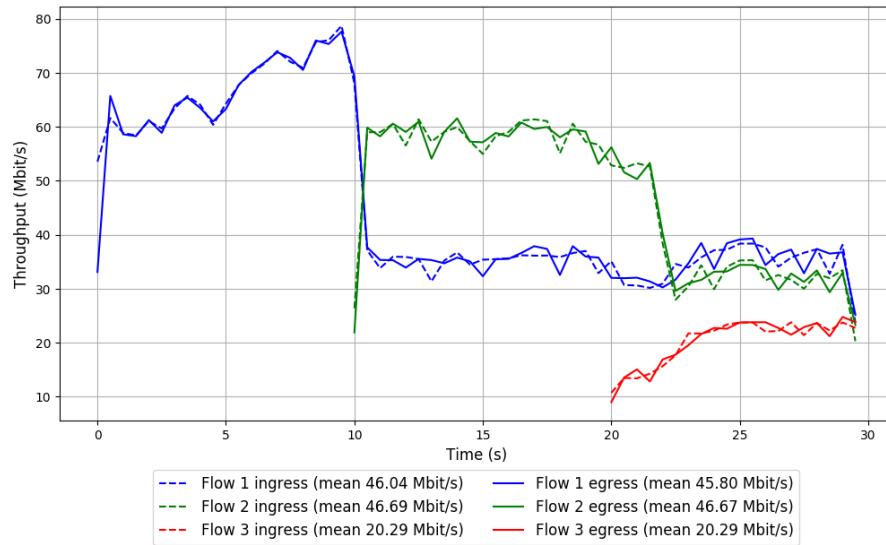


Run 7: Statistics of TCP Vegas

```
Start at: 2017-12-06 00:34:10
End at: 2017-12-06 00:34:40
Local clock offset: -0.566 ms
Remote clock offset: -1.329 ms

# Below is generated by plot.py at 2017-12-06 02:27:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 35.673 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 34.974 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 35.975 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 36.446 ms
Loss rate: 0.01%
```

Run 7: Report of TCP Vegas — Data Link

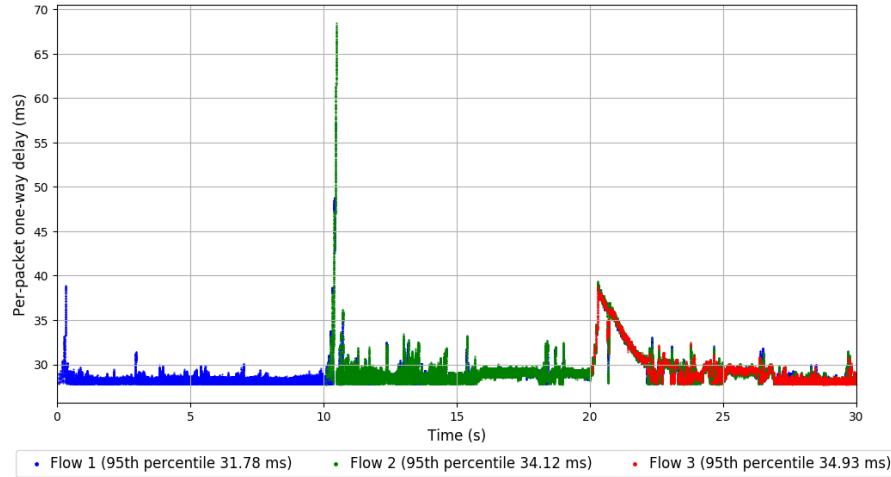
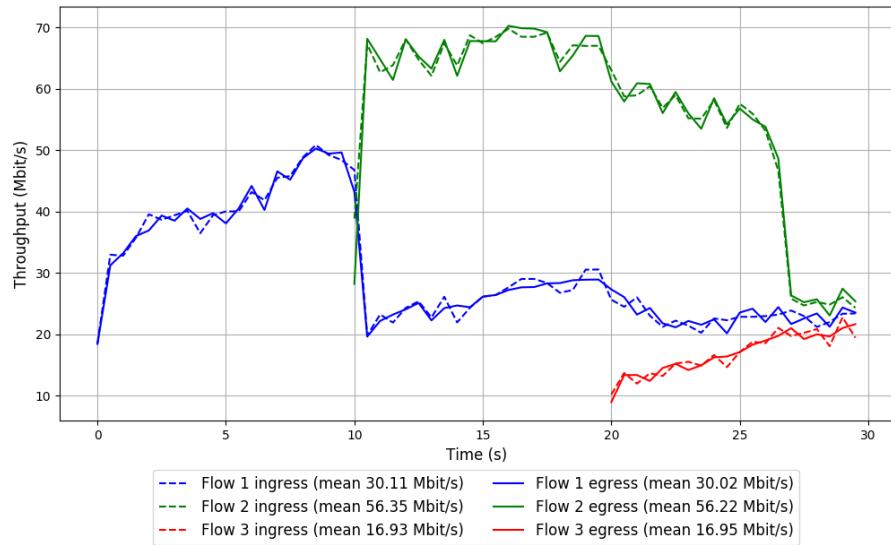


Run 8: Statistics of TCP Vegas

```
Start at: 2017-12-06 00:55:21
End at: 2017-12-06 00:55:51
Local clock offset: -0.706 ms
Remote clock offset: -2.863 ms

# Below is generated by plot.py at 2017-12-06 02:27:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.06 Mbit/s
95th percentile per-packet one-way delay: 33.399 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 31.782 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 34.123 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 34.930 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link

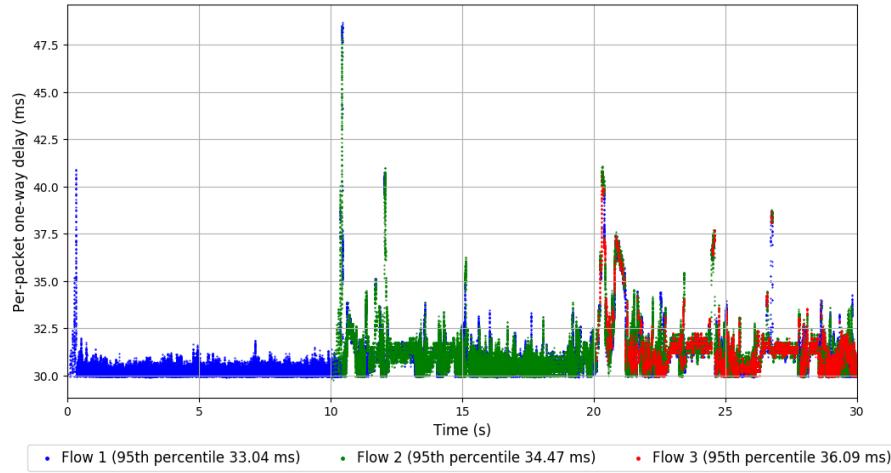
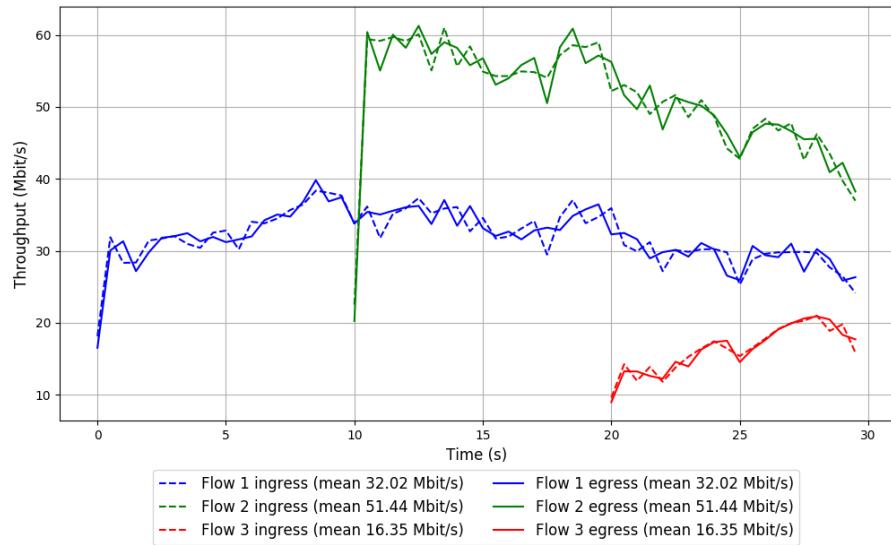


Run 9: Statistics of TCP Vegas

```
Start at: 2017-12-06 01:19:52
End at: 2017-12-06 01:20:22
Local clock offset: -0.901 ms
Remote clock offset: -0.718 ms

# Below is generated by plot.py at 2017-12-06 02:28:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 33.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.02 Mbit/s
95th percentile per-packet one-way delay: 33.040 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.44 Mbit/s
95th percentile per-packet one-way delay: 34.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 36.094 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

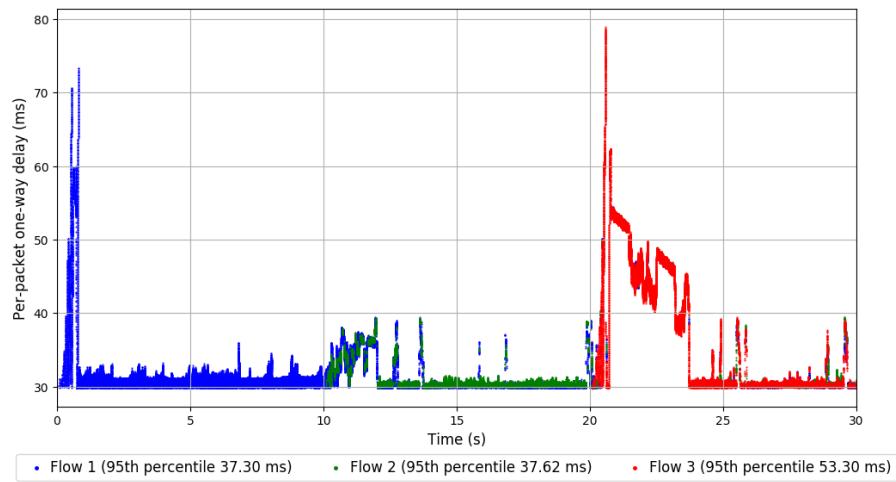
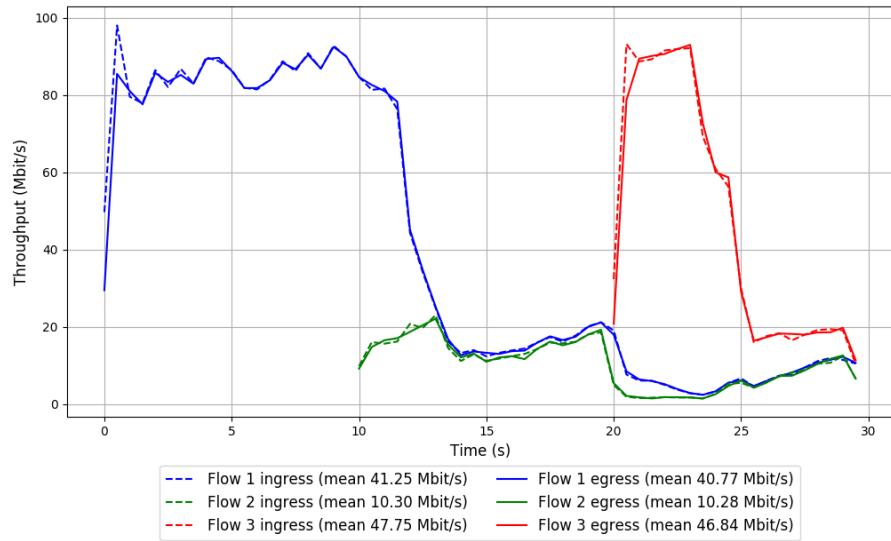


Run 10: Statistics of TCP Vegas

```
Start at: 2017-12-06 01:44:41
End at: 2017-12-06 01:45:11
Local clock offset: -1.134 ms
Remote clock offset: -1.16 ms

# Below is generated by plot.py at 2017-12-06 02:28:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.14 Mbit/s
95th percentile per-packet one-way delay: 51.294 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 37.300 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 37.623 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 53.302 ms
Loss rate: 1.97%
```

Run 10: Report of TCP Vegas — Data Link

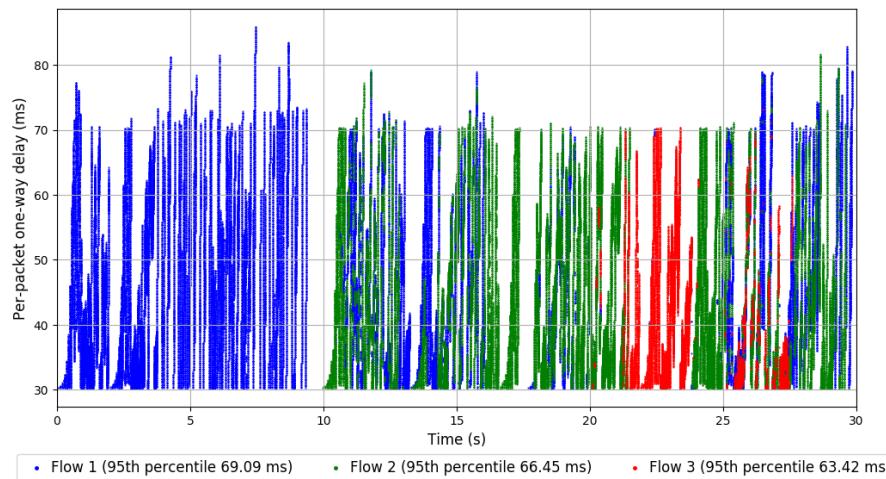
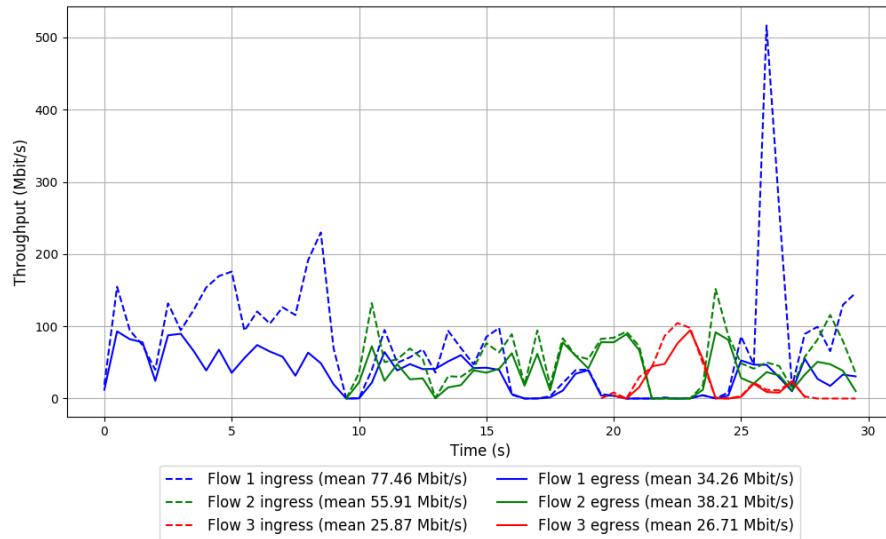


Run 1: Statistics of Verus

```
Start at: 2017-12-05 22:20:51
End at: 2017-12-05 22:21:21
Local clock offset: -0.271 ms
Remote clock offset: -1.612 ms

# Below is generated by plot.py at 2017-12-06 02:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.39 Mbit/s
95th percentile per-packet one-way delay: 67.684 ms
Loss rate: 45.98%
-- Flow 1:
Average throughput: 34.26 Mbit/s
95th percentile per-packet one-way delay: 69.089 ms
Loss rate: 55.72%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 66.453 ms
Loss rate: 31.85%
-- Flow 3:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 63.417 ms
Loss rate: 18.58%
```

Run 1: Report of Verus — Data Link

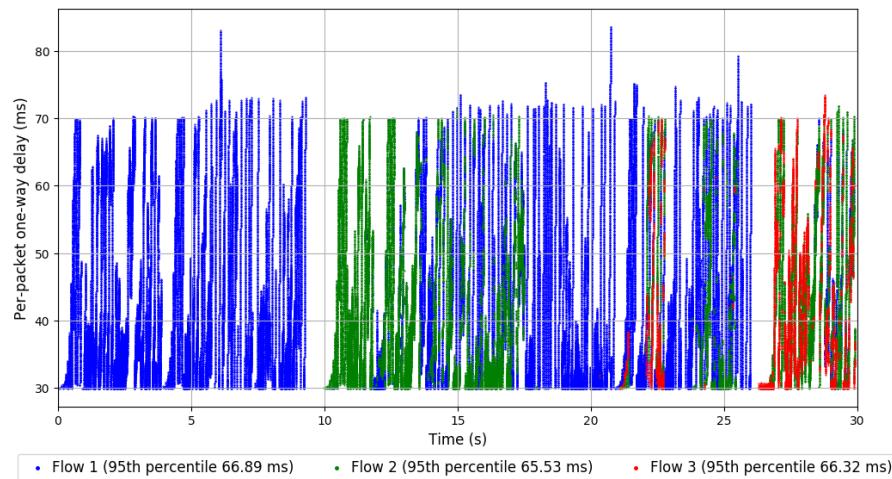
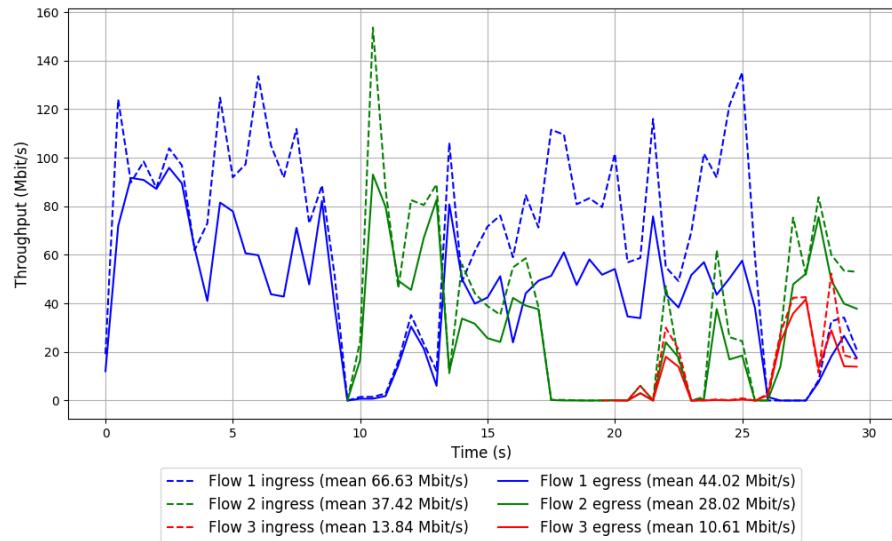


Run 2: Statistics of Verus

```
Start at: 2017-12-05 22:41:25
End at: 2017-12-05 22:41:55
Local clock offset: -0.36 ms
Remote clock offset: -1.535 ms

# Below is generated by plot.py at 2017-12-06 02:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.17 Mbit/s
95th percentile per-packet one-way delay: 66.489 ms
Loss rate: 31.09%
-- Flow 1:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 66.886 ms
Loss rate: 33.89%
-- Flow 2:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 65.533 ms
Loss rate: 25.08%
-- Flow 3:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 66.316 ms
Loss rate: 23.27%
```

Run 2: Report of Verus — Data Link

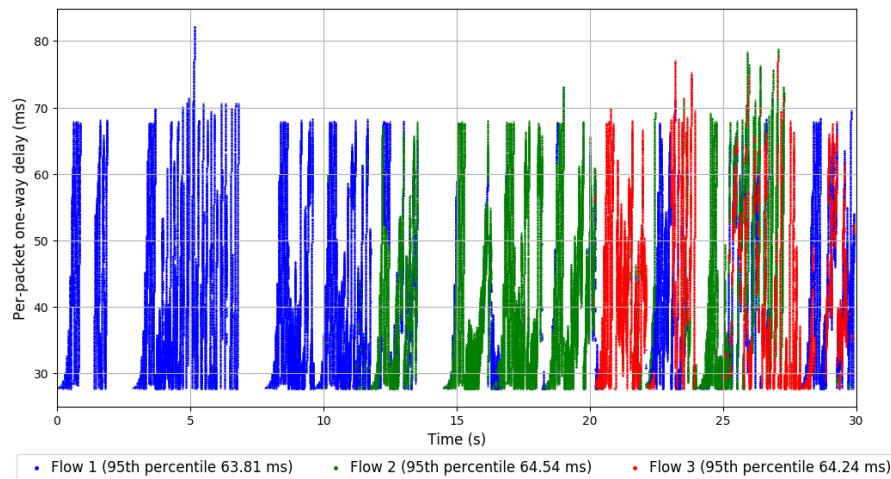
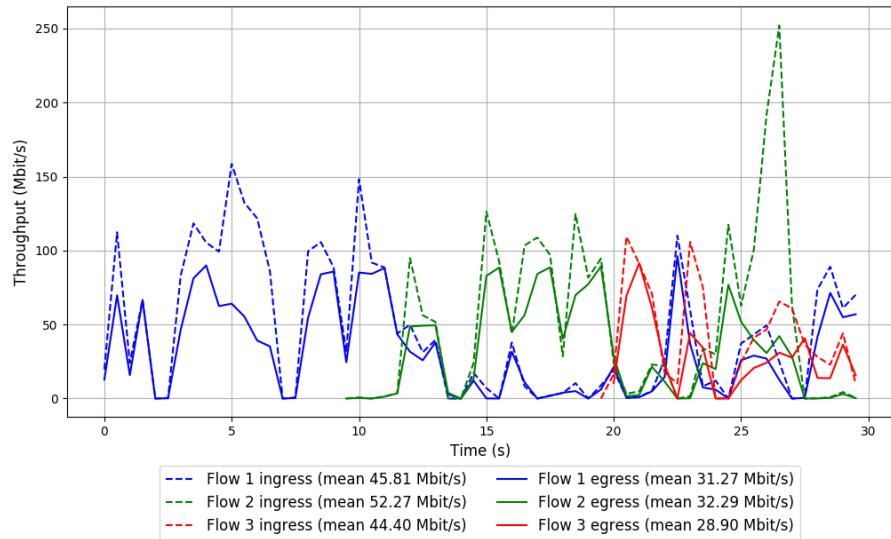


Run 3: Statistics of Verus

```
Start at: 2017-12-05 23:01:34
End at: 2017-12-05 23:02:04
Local clock offset: -0.278 ms
Remote clock offset: -3.726 ms

# Below is generated by plot.py at 2017-12-06 02:28:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 64.175 ms
Loss rate: 34.62%
-- Flow 1:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 63.814 ms
Loss rate: 31.69%
-- Flow 2:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 64.541 ms
Loss rate: 38.39%
-- Flow 3:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 64.241 ms
Loss rate: 34.89%
```

Run 3: Report of Verus — Data Link

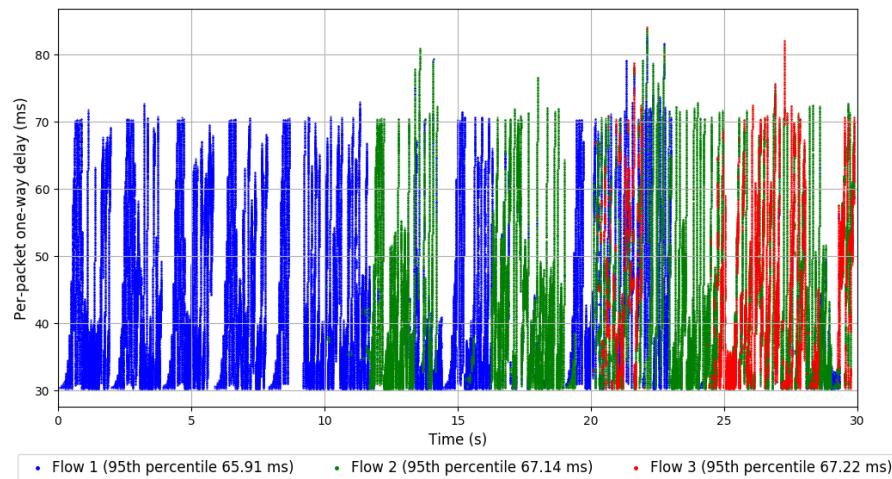
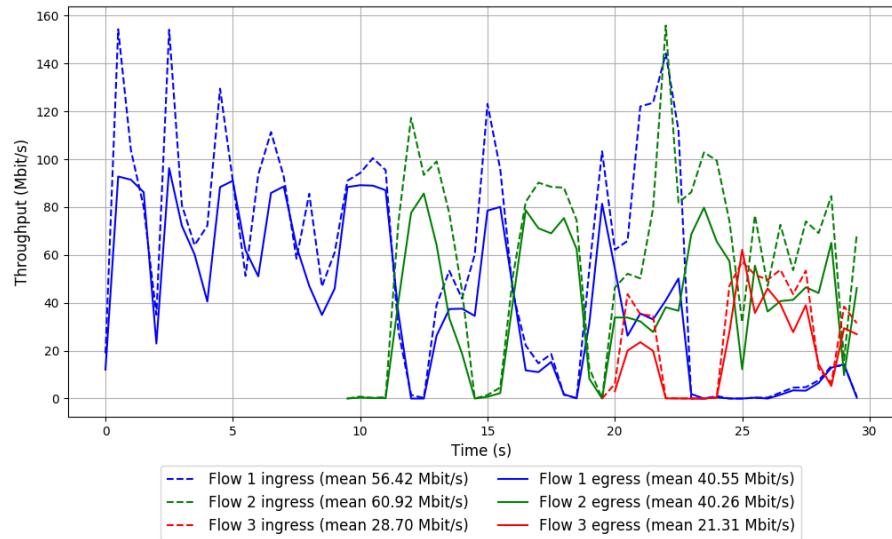


Run 4: Statistics of Verus

```
Start at: 2017-12-05 23:21:42
End at: 2017-12-05 23:22:12
Local clock offset: -0.249 ms
Remote clock offset: -1.557 ms

# Below is generated by plot.py at 2017-12-06 02:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 66.454 ms
Loss rate: 30.19%
-- Flow 1:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 65.914 ms
Loss rate: 28.26%
-- Flow 2:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: 67.140 ms
Loss rate: 33.92%
-- Flow 3:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 67.222 ms
Loss rate: 25.61%
```

Run 4: Report of Verus — Data Link

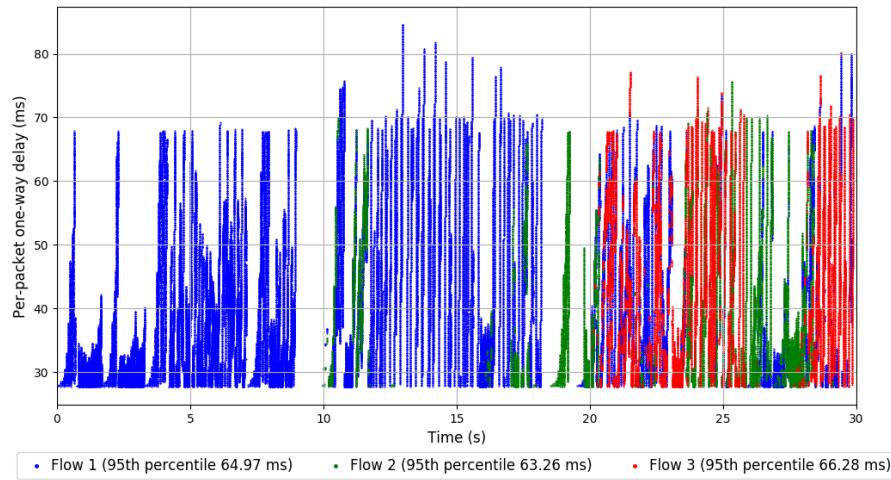
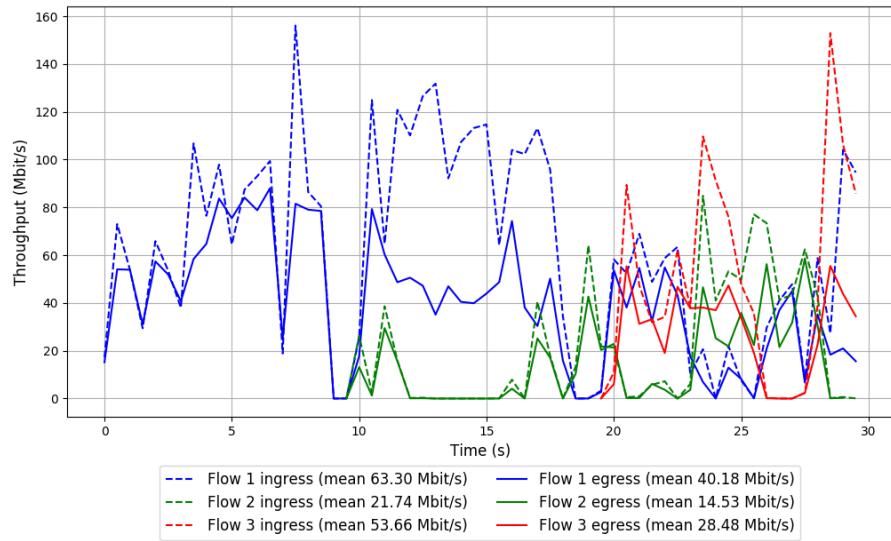


Run 5: Statistics of Verus

```
Start at: 2017-12-05 23:42:48
End at: 2017-12-05 23:43:18
Local clock offset: -0.392 ms
Remote clock offset: -4.735 ms

# Below is generated by plot.py at 2017-12-06 02:29:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 64.991 ms
Loss rate: 38.08%
-- Flow 1:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 64.967 ms
Loss rate: 36.48%
-- Flow 2:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 63.262 ms
Loss rate: 34.22%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 66.277 ms
Loss rate: 46.89%
```

Run 5: Report of Verus — Data Link

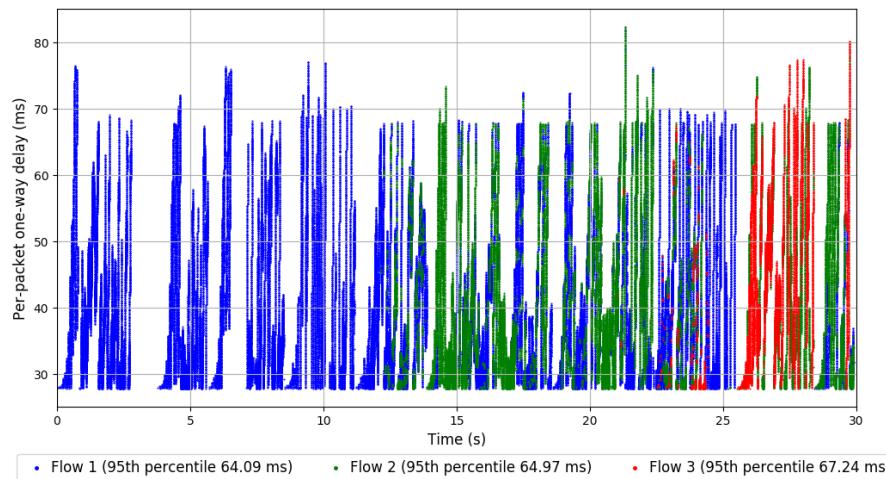
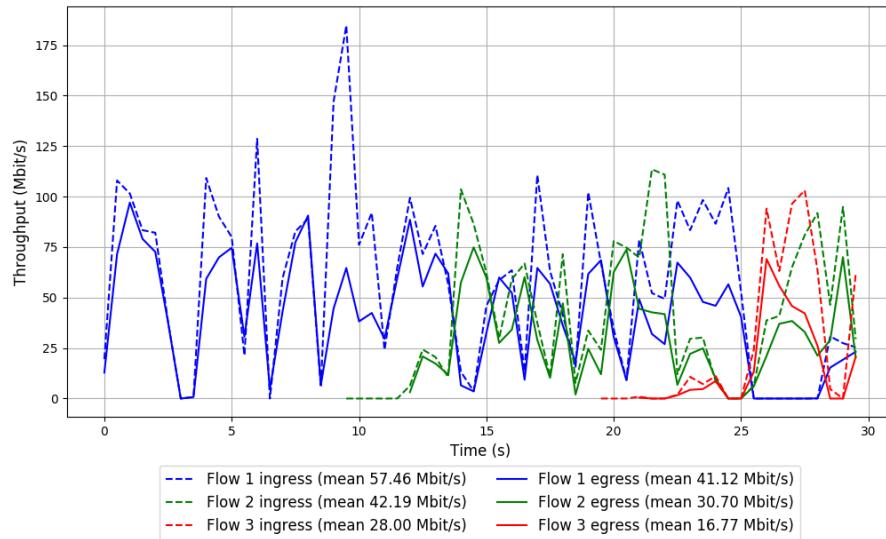


Run 6: Statistics of Verus

```
Start at: 2017-12-06 00:05:15
End at: 2017-12-06 00:05:45
Local clock offset: -0.44 ms
Remote clock offset: -4.286 ms

# Below is generated by plot.py at 2017-12-06 02:29:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.40 Mbit/s
95th percentile per-packet one-way delay: 64.663 ms
Loss rate: 31.93%
-- Flow 1:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 64.088 ms
Loss rate: 28.42%
-- Flow 2:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 64.974 ms
Loss rate: 34.55%
-- Flow 3:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 67.244 ms
Loss rate: 46.10%
```

Run 6: Report of Verus — Data Link

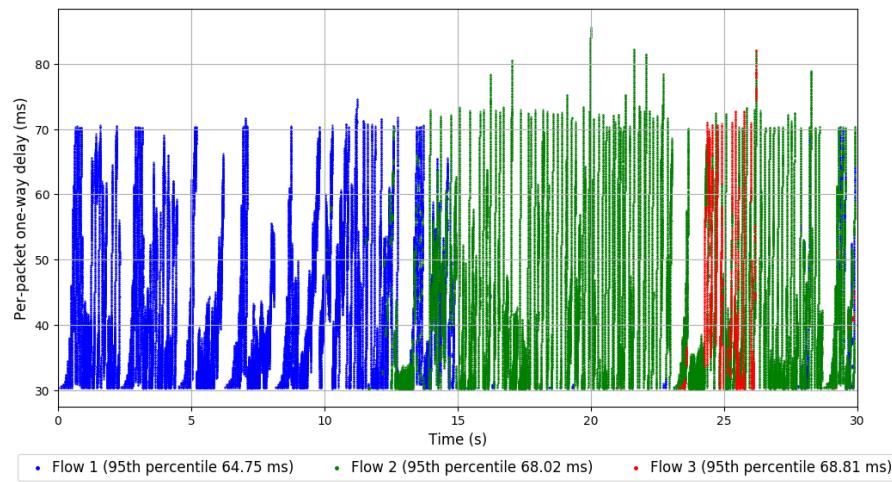
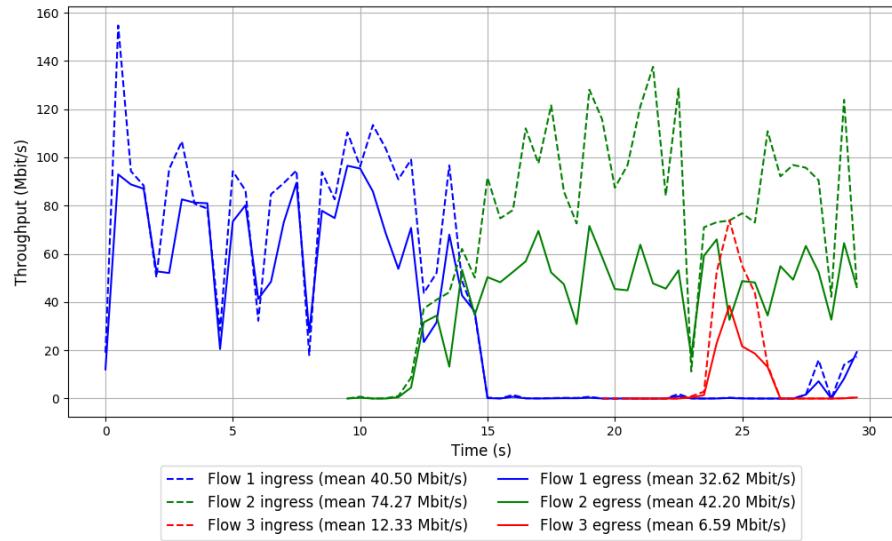


Run 7: Statistics of Verus

```
Start at: 2017-12-06 00:26:55
End at: 2017-12-06 00:27:25
Local clock offset: -0.445 ms
Remote clock offset: -1.009 ms

# Below is generated by plot.py at 2017-12-06 02:29:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.72 Mbit/s
95th percentile per-packet one-way delay: 66.414 ms
Loss rate: 33.29%
-- Flow 1:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 64.752 ms
Loss rate: 19.38%
-- Flow 2:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 68.017 ms
Loss rate: 43.13%
-- Flow 3:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 68.813 ms
Loss rate: 51.88%
```

Run 7: Report of Verus — Data Link

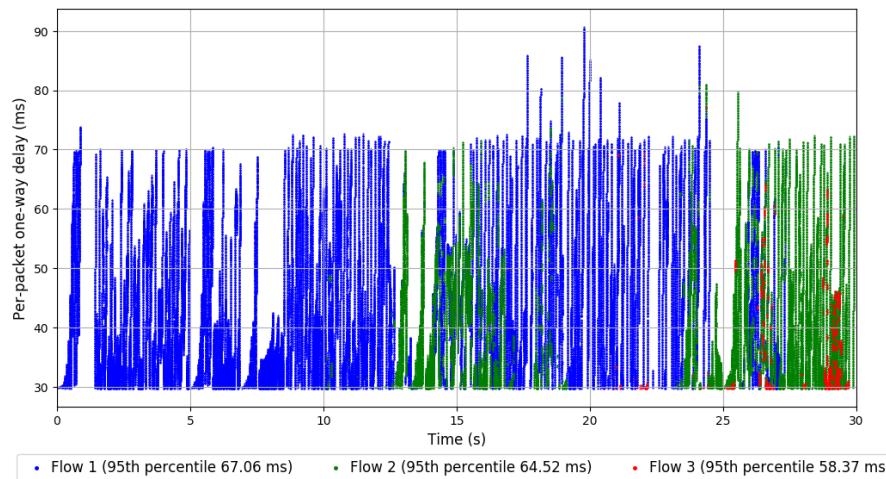
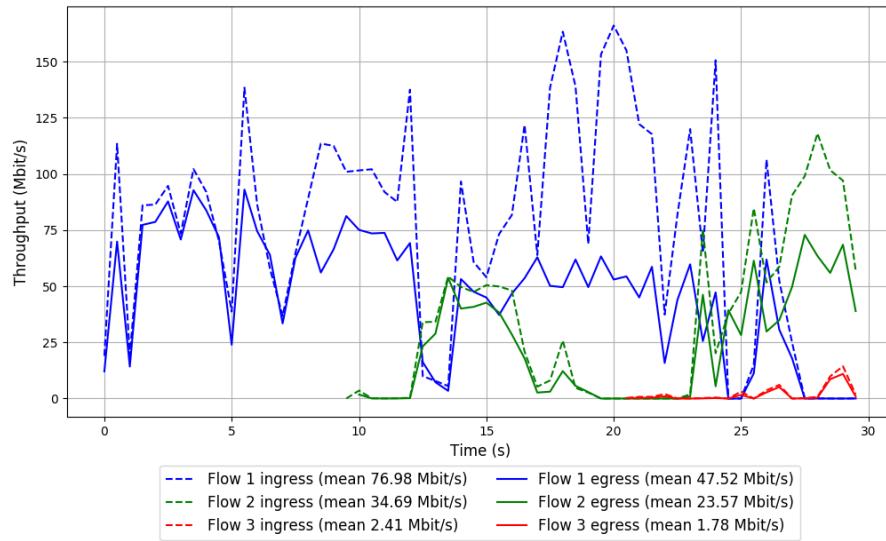


Run 8: Statistics of Verus

```
Start at: 2017-12-06 00:48:03
End at: 2017-12-06 00:48:33
Local clock offset: -0.558 ms
Remote clock offset: -0.901 ms

# Below is generated by plot.py at 2017-12-06 02:29:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.35 Mbit/s
95th percentile per-packet one-way delay: 66.546 ms
Loss rate: 36.83%
-- Flow 1:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 67.058 ms
Loss rate: 38.38%
-- Flow 2:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 64.522 ms
Loss rate: 32.03%
-- Flow 3:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 58.366 ms
Loss rate: 26.55%
```

Run 8: Report of Verus — Data Link

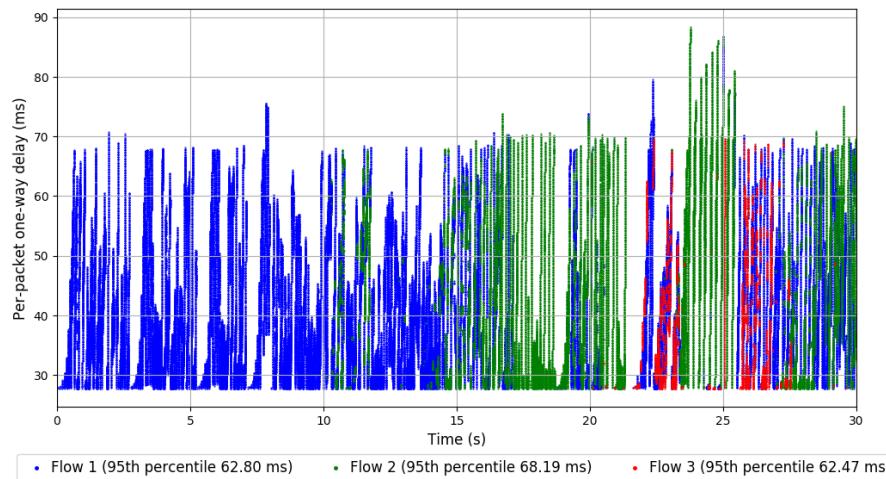
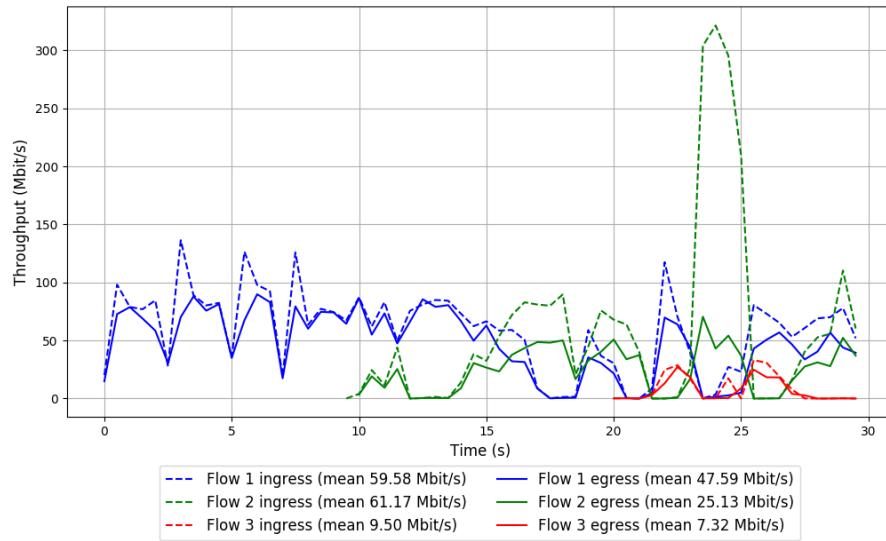


Run 9: Statistics of Verus

```
Start at: 2017-12-06 01:11:24
End at: 2017-12-06 01:11:54
Local clock offset: -0.73 ms
Remote clock offset: -2.76 ms

# Below is generated by plot.py at 2017-12-06 02:29:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 64.612 ms
Loss rate: 35.50%
-- Flow 1:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 62.804 ms
Loss rate: 20.10%
-- Flow 2:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 68.190 ms
Loss rate: 58.90%
-- Flow 3:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 62.465 ms
Loss rate: 23.72%
```

Run 9: Report of Verus — Data Link

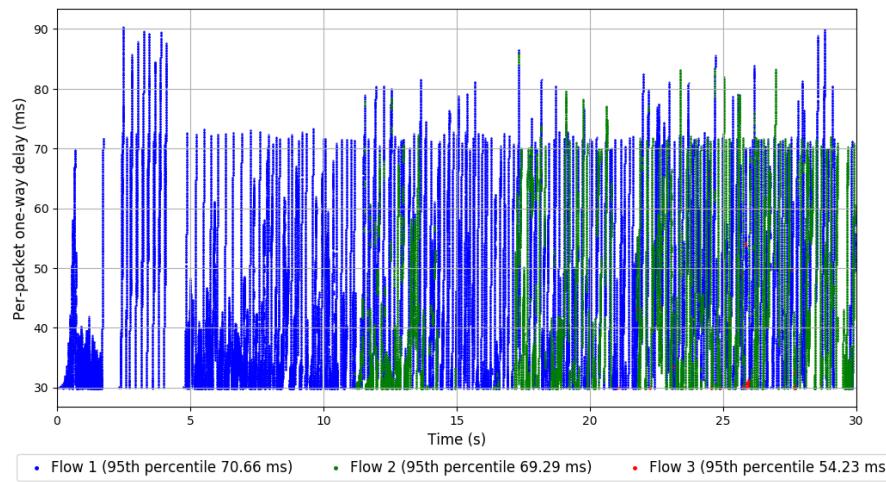
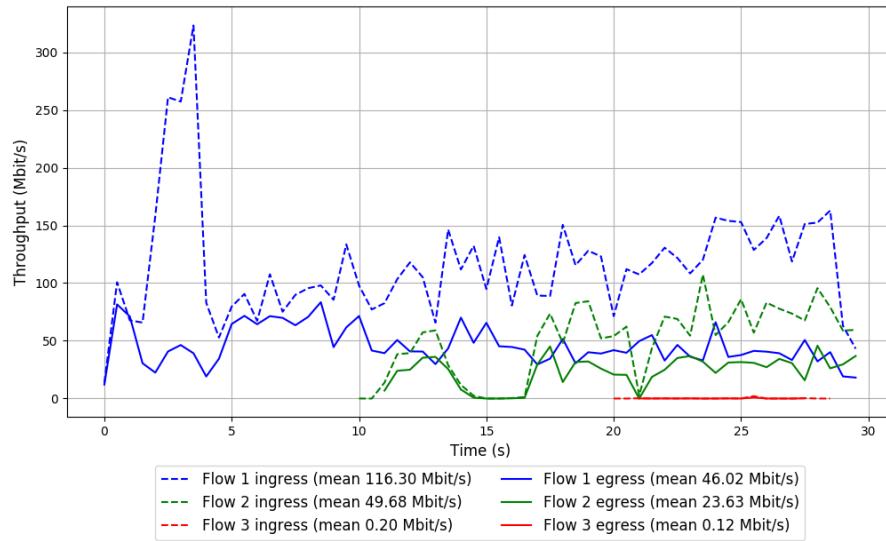


Run 10: Statistics of Verus

```
Start at: 2017-12-06 01:36:20
End at: 2017-12-06 01:36:50
Local clock offset: -0.974 ms
Remote clock offset: -0.994 ms

# Below is generated by plot.py at 2017-12-06 02:29:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 70.283 ms
Loss rate: 59.16%
-- Flow 1:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 70.660 ms
Loss rate: 60.41%
-- Flow 2:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 69.294 ms
Loss rate: 54.76%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 54.235 ms
Loss rate: 55.92%
```

Run 10: Report of Verus — Data Link

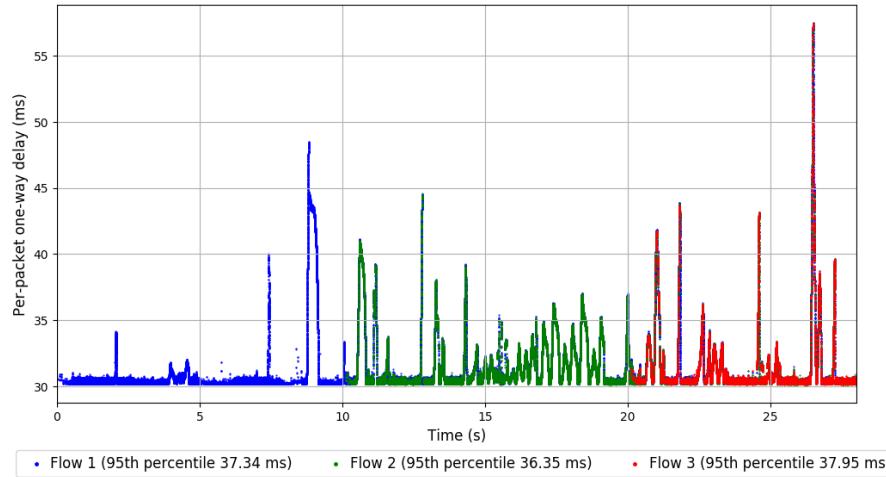
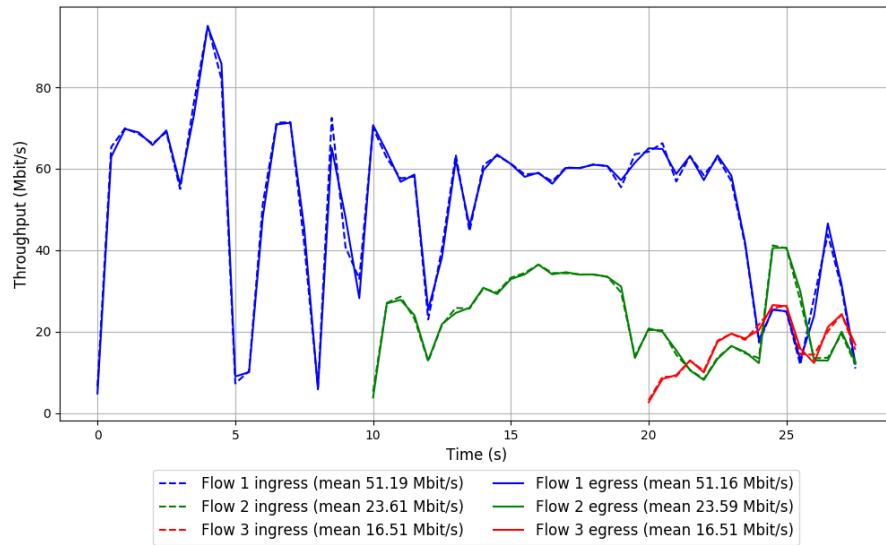


Run 1: Statistics of Copa

```
Start at: 2017-12-05 22:17:36
End at: 2017-12-05 22:18:06
Local clock offset: -0.29 ms
Remote clock offset: -1.788 ms

# Below is generated by plot.py at 2017-12-06 02:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.98 Mbit/s
95th percentile per-packet one-way delay: 37.066 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 37.339 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 36.354 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 37.953 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

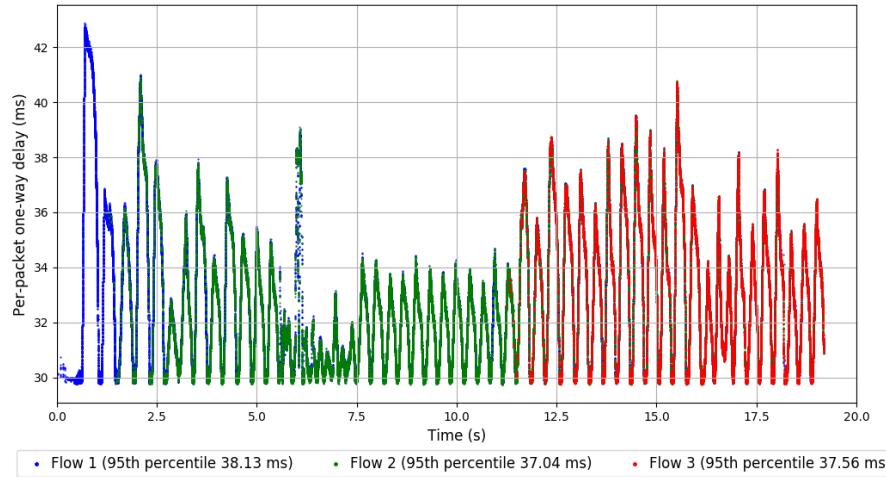
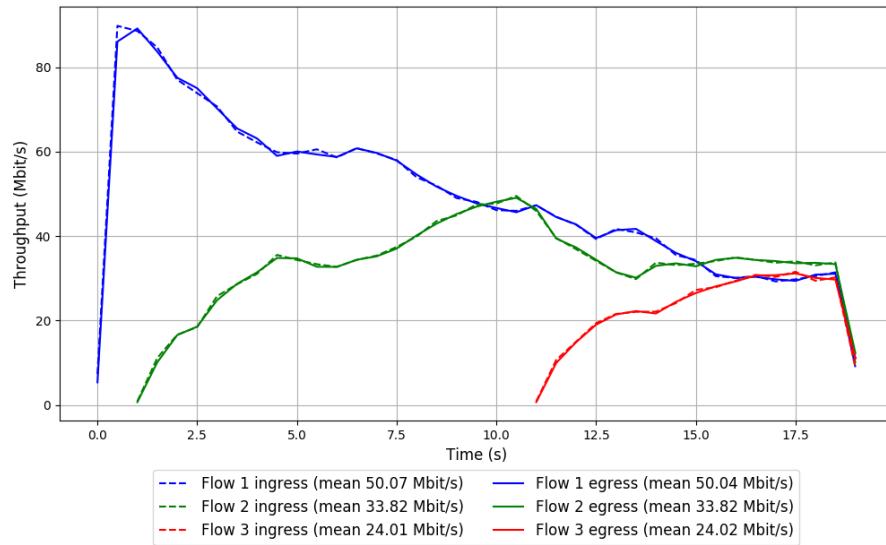
Start at: 2017-12-05 22:38:34

End at: 2017-12-05 22:39:04

Local clock offset: -0.269 ms

Remote clock offset: -1.629 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

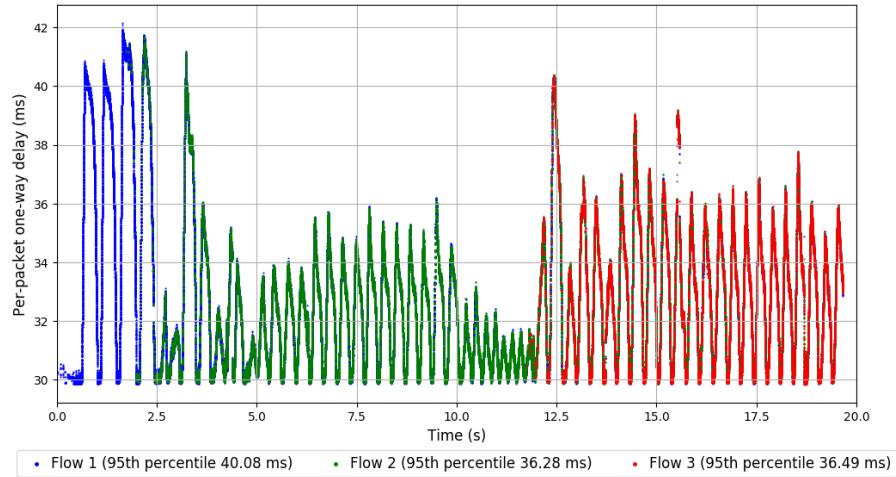
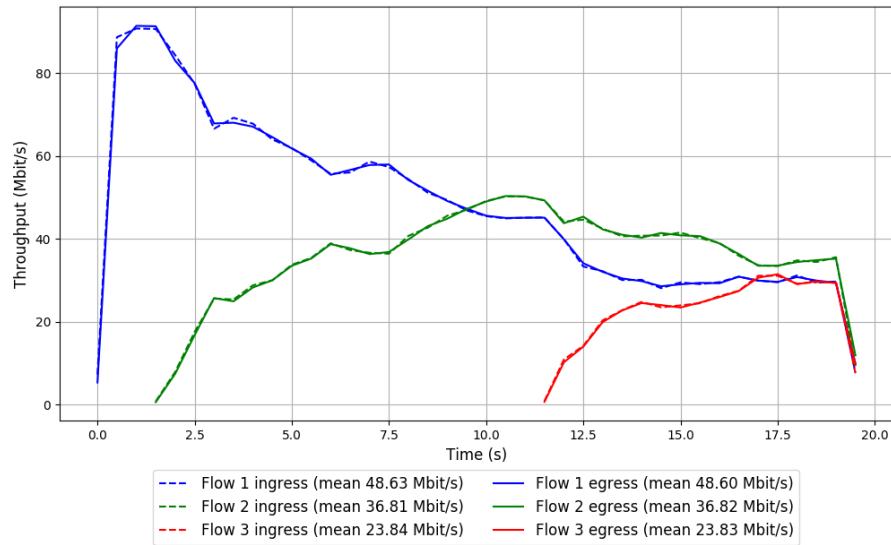
Start at: 2017-12-05 22:58:43

End at: 2017-12-05 22:59:13

Local clock offset: -0.345 ms

Remote clock offset: -1.65 ms

Run 3: Report of Copa — Data Link

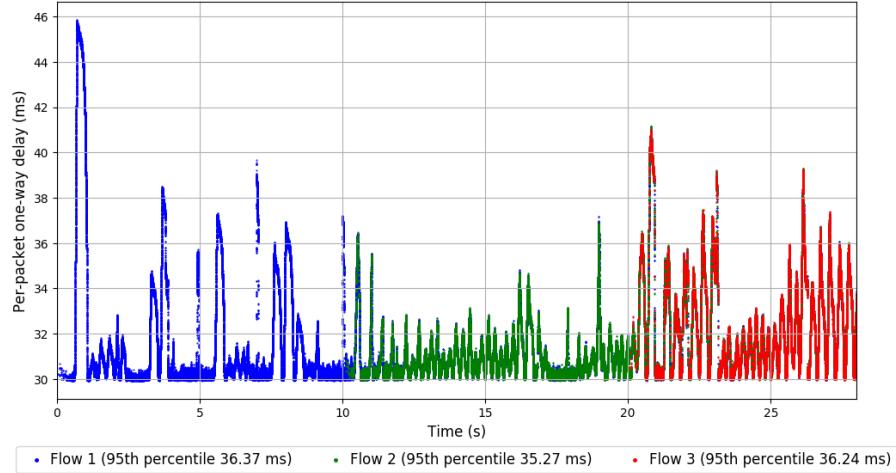
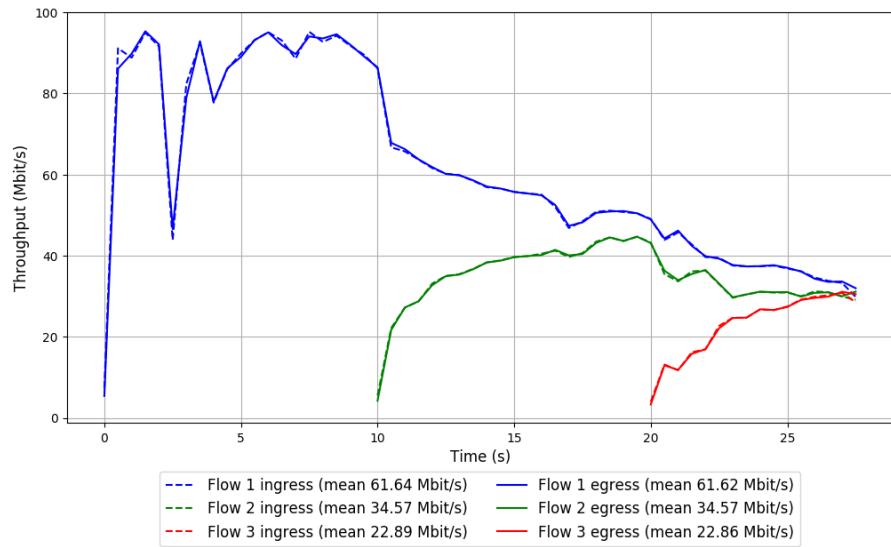


Run 4: Statistics of Copa

```
Start at: 2017-12-05 23:18:39
End at: 2017-12-05 23:19:09
Local clock offset: -0.247 ms
Remote clock offset: -1.792 ms

# Below is generated by plot.py at 2017-12-06 02:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 36.061 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.62 Mbit/s
95th percentile per-packet one-way delay: 36.368 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 35.271 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 36.241 ms
Loss rate: 0.07%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

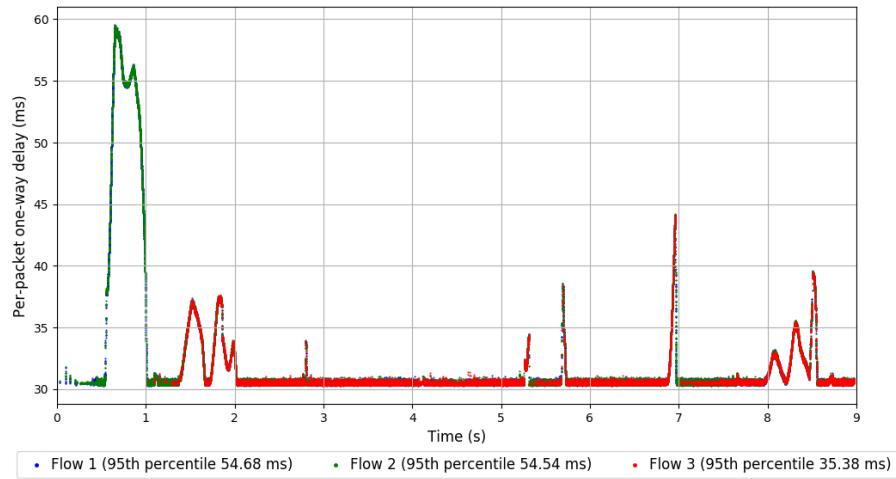
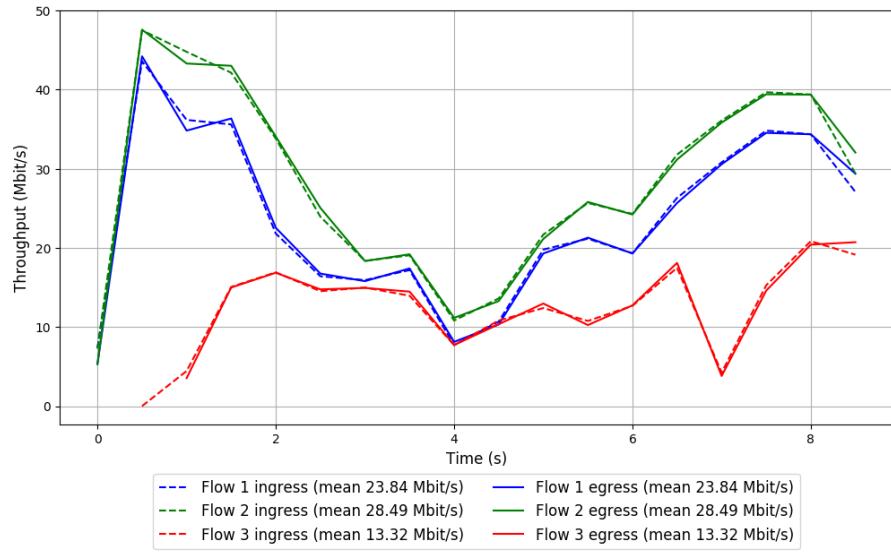
Start at: 2017-12-05 23:39:42

End at: 2017-12-05 23:40:12

Local clock offset: -0.301 ms

Remote clock offset: -2.148 ms

Run 5: Report of Copa — Data Link

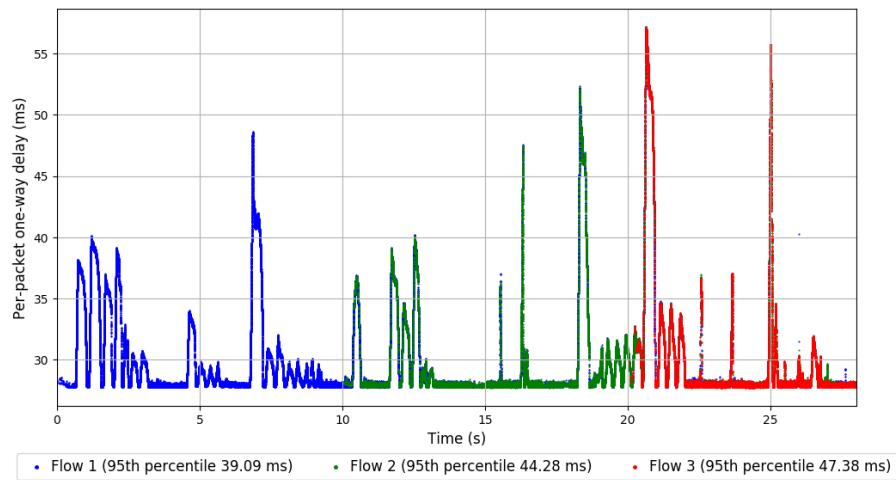
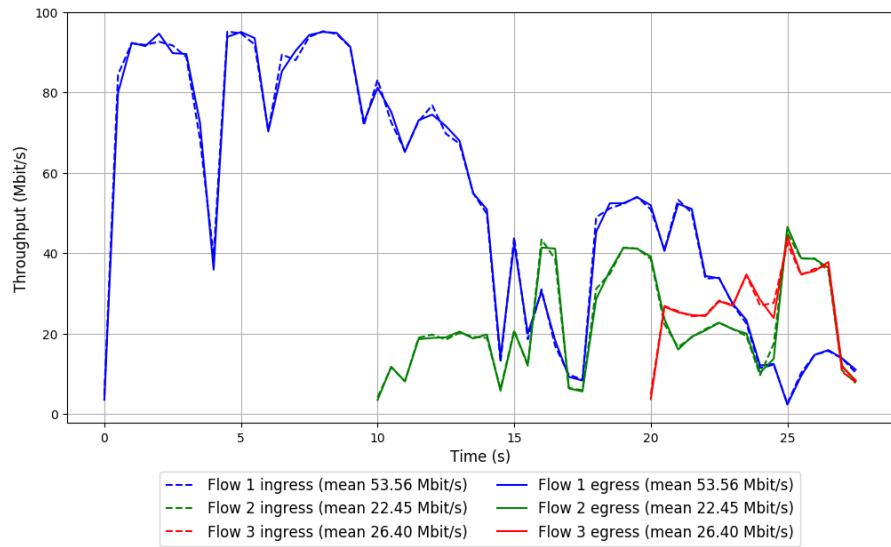


Run 6: Statistics of Copa

```
Start at: 2017-12-06 00:01:55
End at: 2017-12-06 00:02:25
Local clock offset: -0.428 ms
Remote clock offset: -4.429 ms

# Below is generated by plot.py at 2017-12-06 02:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 39.501 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 39.090 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 44.284 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 47.385 ms
Loss rate: 0.02%
```

Run 6: Report of Copa — Data Link

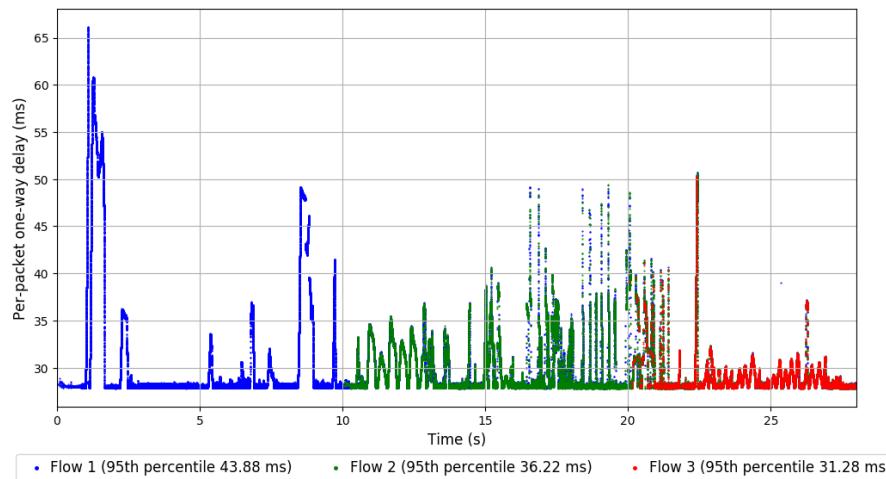
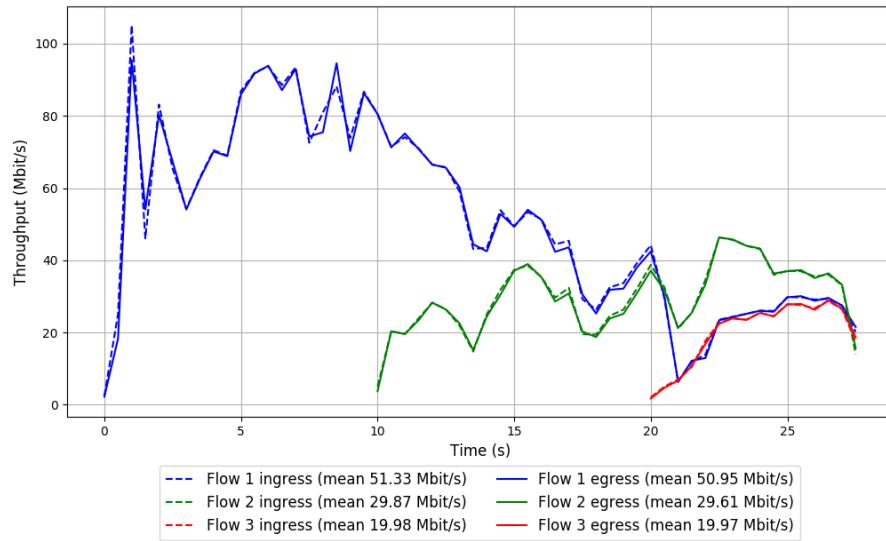


Run 7: Statistics of Copa

```
Start at: 2017-12-06 00:23:47
End at: 2017-12-06 00:24:17
Local clock offset: -0.508 ms
Remote clock offset: -3.713 ms

# Below is generated by plot.py at 2017-12-06 02:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.62 Mbit/s
95th percentile per-packet one-way delay: 38.379 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 43.878 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 36.221 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 31.276 ms
Loss rate: 0.20%
```

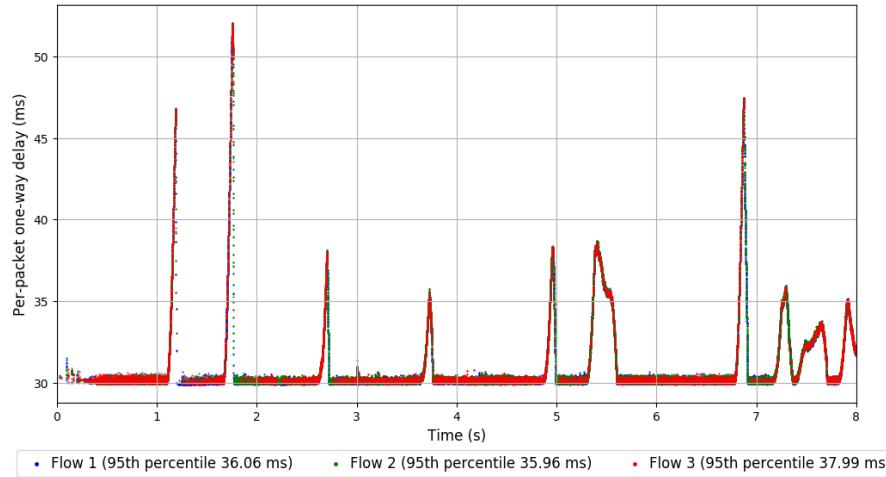
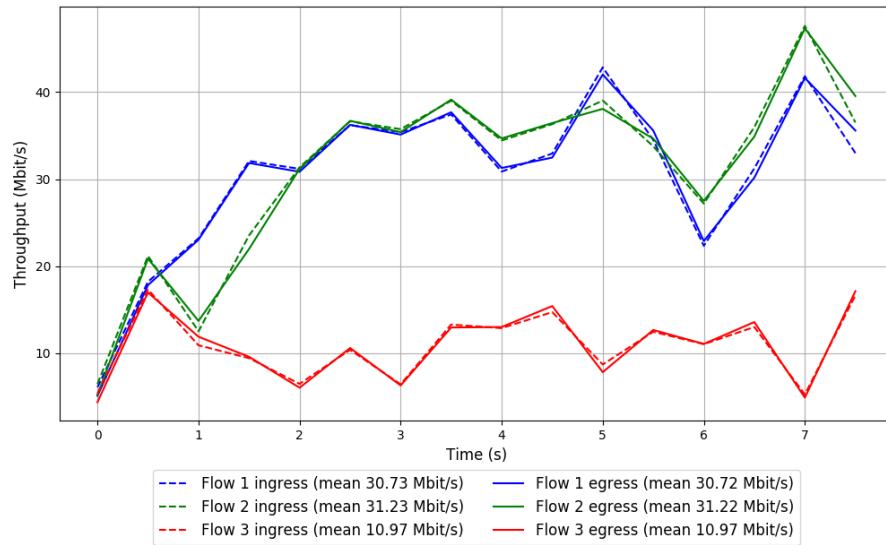
Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-12-06 00:45:09
End at: 2017-12-06 00:45:39
Local clock offset: -0.623 ms
Remote clock offset: -0.862 ms

Run 8: Report of Copa — Data Link

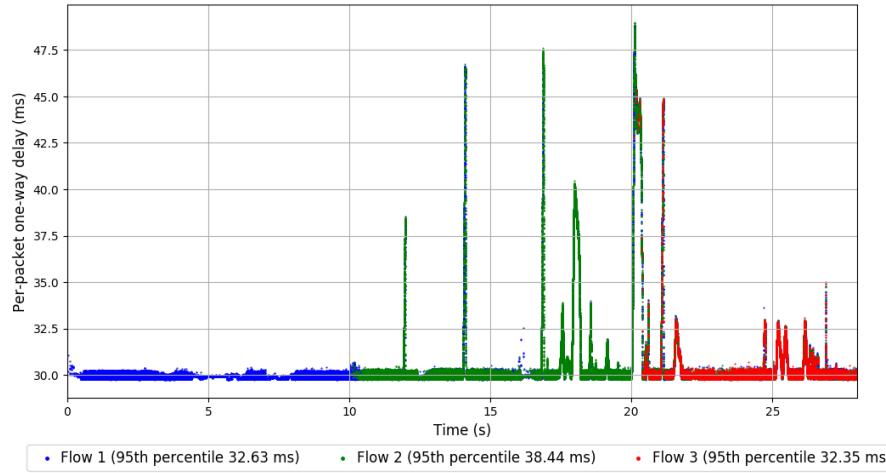
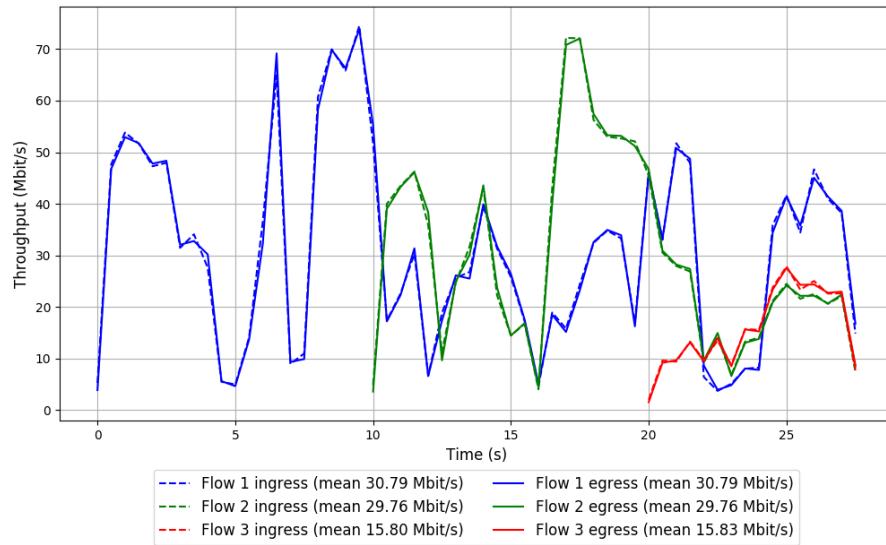


Run 9: Statistics of Copa

```
Start at: 2017-12-06 01:07:37
End at: 2017-12-06 01:08:07
Local clock offset: -0.713 ms
Remote clock offset: -0.712 ms

# Below is generated by plot.py at 2017-12-06 02:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.37 Mbit/s
95th percentile per-packet one-way delay: 34.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 32.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 38.442 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 32.349 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

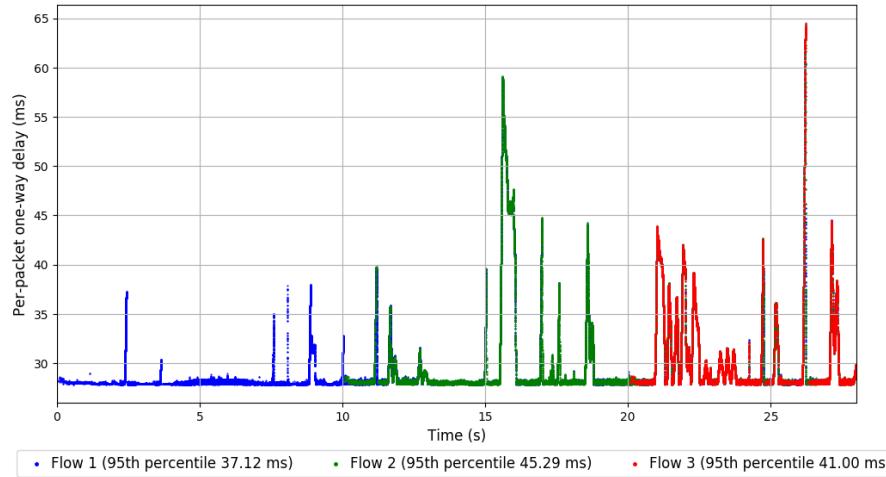
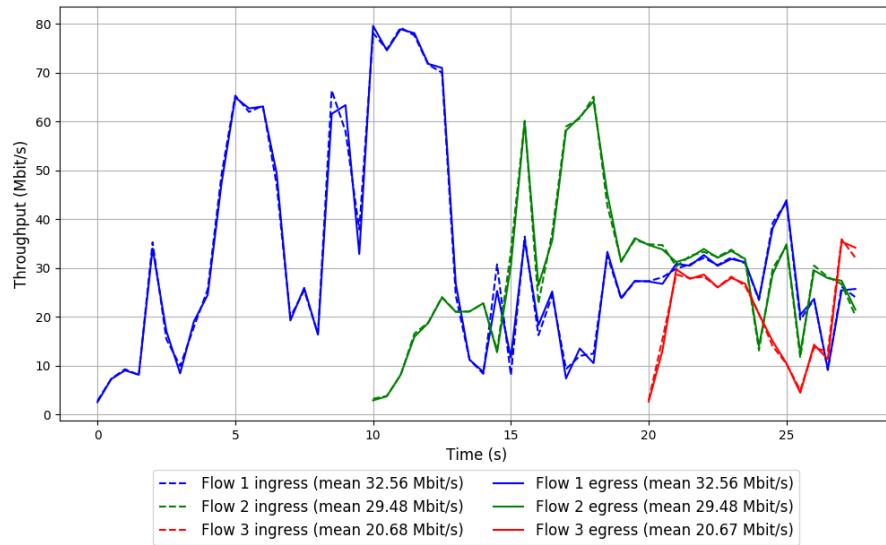


Run 10: Statistics of Copa

```
Start at: 2017-12-06 01:32:39
End at: 2017-12-06 01:33:09
Local clock offset: -0.93 ms
Remote clock offset: -2.947 ms

# Below is generated by plot.py at 2017-12-06 02:31:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 40.451 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 37.118 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 45.290 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 40.996 ms
Loss rate: 0.02%
```

Run 10: Report of Copa — Data Link

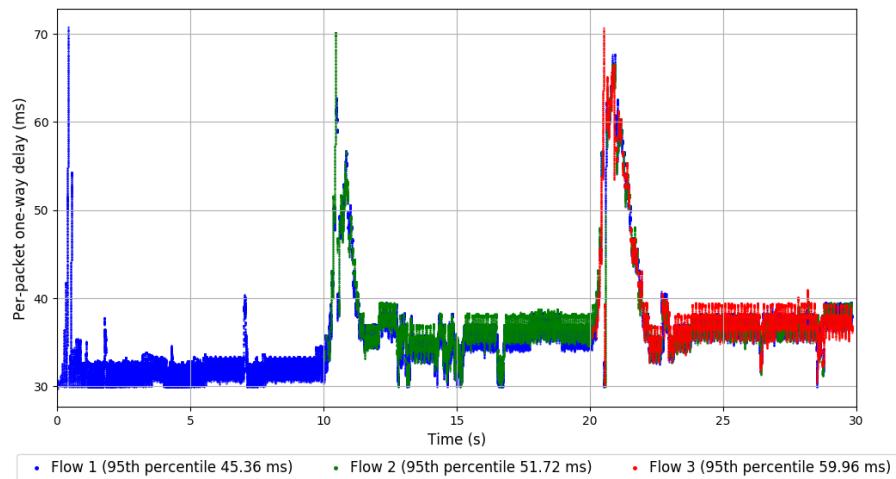
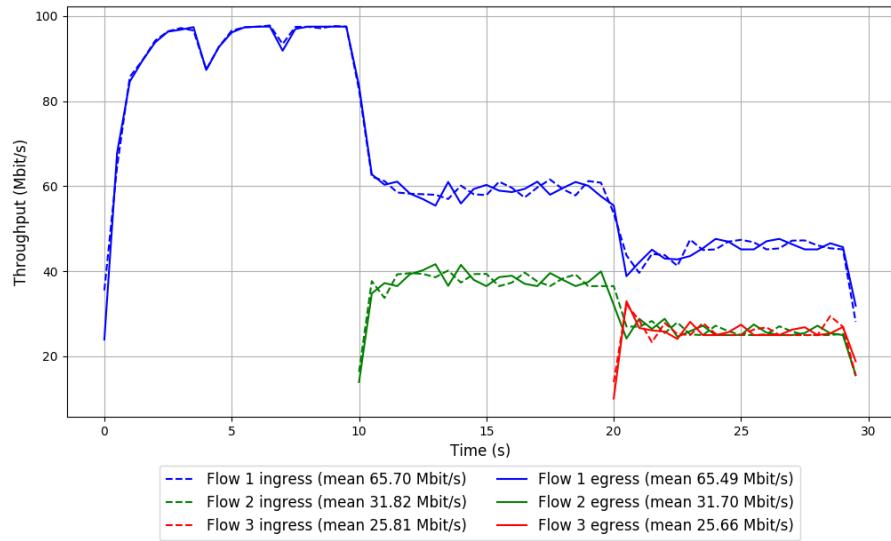


Run 1: Statistics of Indigo

```
Start at: 2017-12-05 22:22:28
End at: 2017-12-05 22:22:58
Local clock offset: -0.357 ms
Remote clock offset: -1.927 ms

# Below is generated by plot.py at 2017-12-06 02:32:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 49.198 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 65.49 Mbit/s
95th percentile per-packet one-way delay: 45.359 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 51.718 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 59.958 ms
Loss rate: 0.59%
```

Run 1: Report of Indigo — Data Link

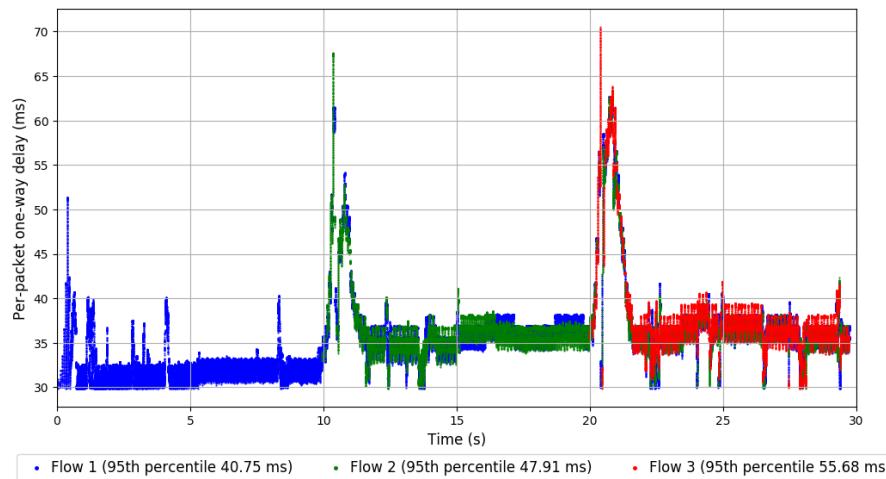
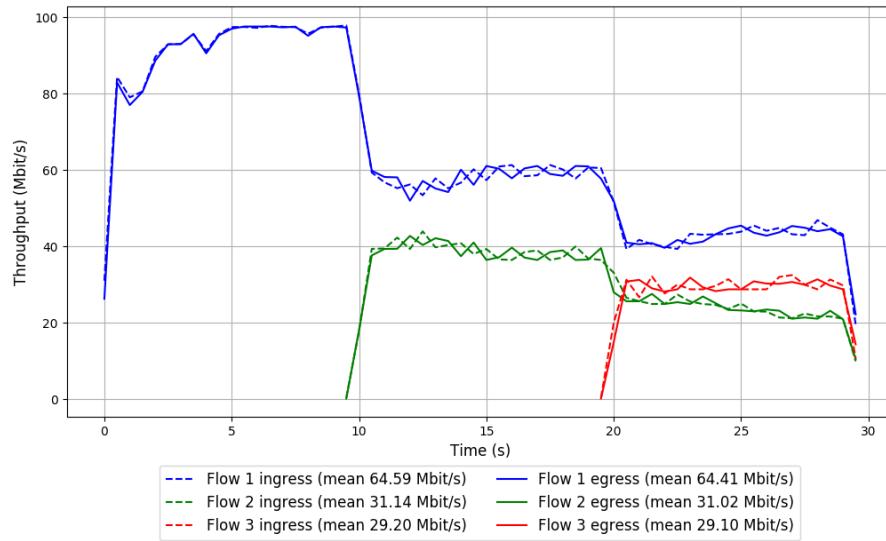


Run 2: Statistics of Indigo

```
Start at: 2017-12-05 22:42:51
End at: 2017-12-05 22:43:21
Local clock offset: -0.361 ms
Remote clock offset: -1.606 ms

# Below is generated by plot.py at 2017-12-06 02:32:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 45.305 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 40.750 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 47.910 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 55.682 ms
Loss rate: 0.34%
```

Run 2: Report of Indigo — Data Link

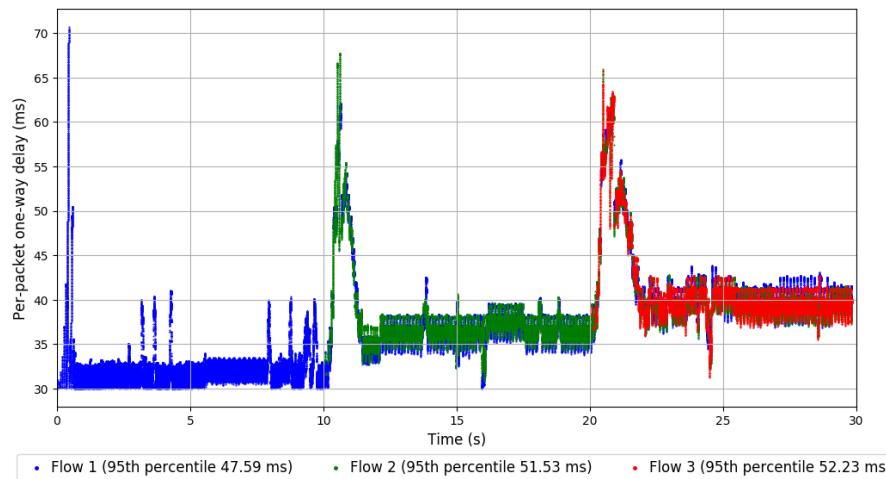
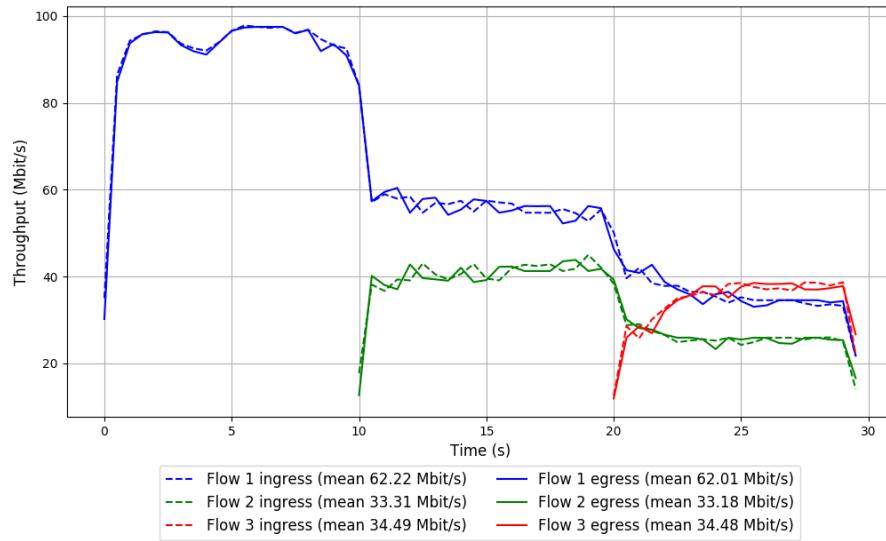


Run 3: Statistics of Indigo

```
Start at: 2017-12-05 23:02:59
End at: 2017-12-05 23:03:29
Local clock offset: -0.361 ms
Remote clock offset: -1.578 ms

# Below is generated by plot.py at 2017-12-06 02:32:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 49.535 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 47.591 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 51.526 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 52.227 ms
Loss rate: 0.03%
```

Run 3: Report of Indigo — Data Link

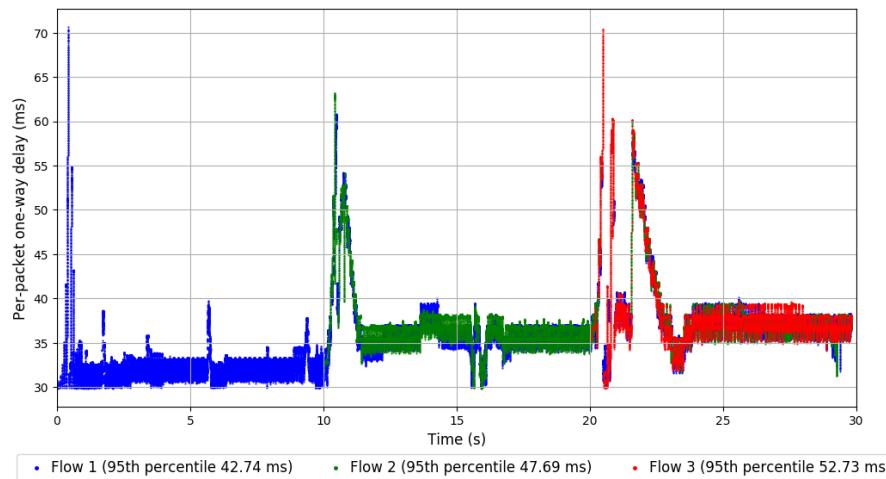
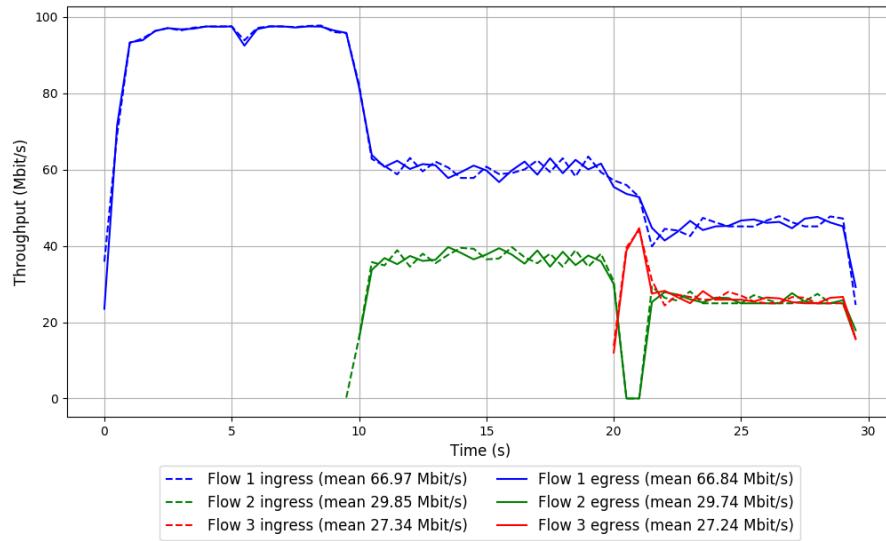


Run 4: Statistics of Indigo

```
Start at: 2017-12-05 23:23:12
End at: 2017-12-05 23:23:42
Local clock offset: -0.345 ms
Remote clock offset: -2.167 ms

# Below is generated by plot.py at 2017-12-06 02:32:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 45.851 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 42.741 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 47.694 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 27.24 Mbit/s
95th percentile per-packet one-way delay: 52.725 ms
Loss rate: 0.33%
```

Run 4: Report of Indigo — Data Link

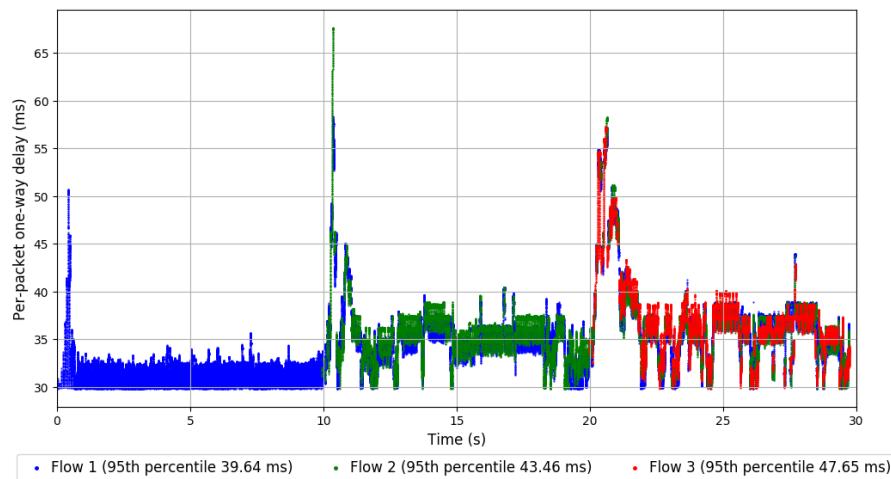
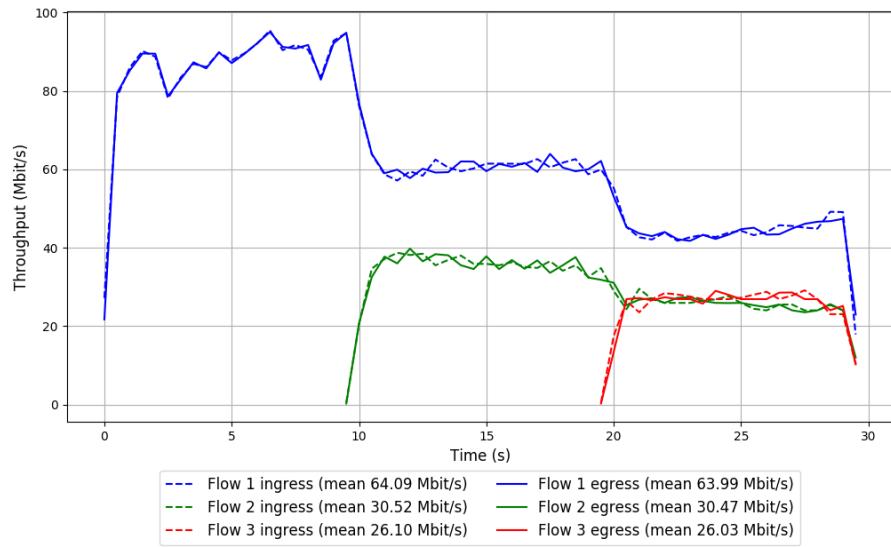


Run 5: Statistics of Indigo

```
Start at: 2017-12-05 23:44:26
End at: 2017-12-05 23:44:56
Local clock offset: -0.306 ms
Remote clock offset: -2.579 ms

# Below is generated by plot.py at 2017-12-06 02:32:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 41.494 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 39.640 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 43.459 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 47.650 ms
Loss rate: 0.26%
```

Run 5: Report of Indigo — Data Link

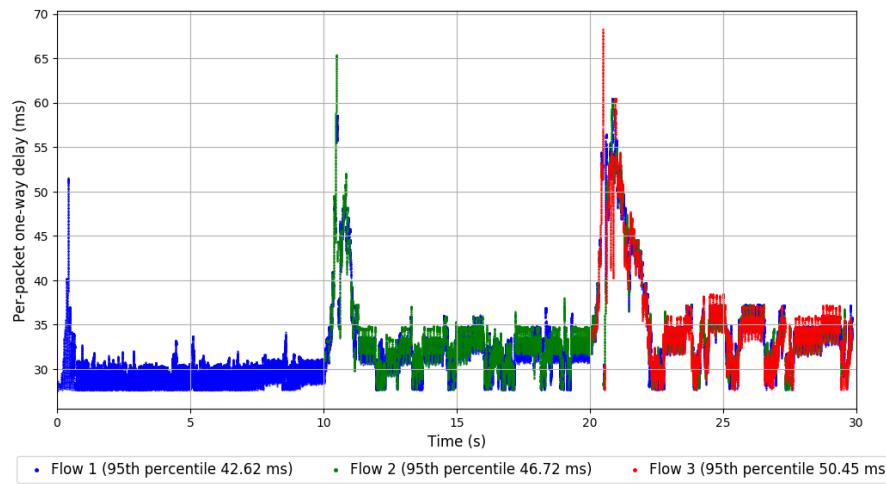
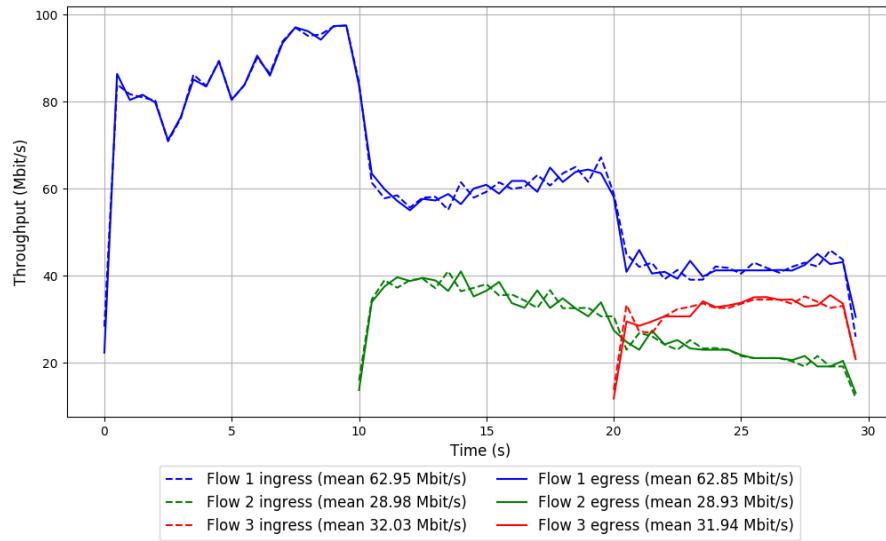


Run 6: Statistics of Indigo

```
Start at: 2017-12-06 00:06:50
End at: 2017-12-06 00:07:20
Local clock offset: -0.342 ms
Remote clock offset: -4.33 ms

# Below is generated by plot.py at 2017-12-06 02:32:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 44.470 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 62.85 Mbit/s
95th percentile per-packet one-way delay: 42.619 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 46.720 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 50.450 ms
Loss rate: 0.29%
```

Run 6: Report of Indigo — Data Link

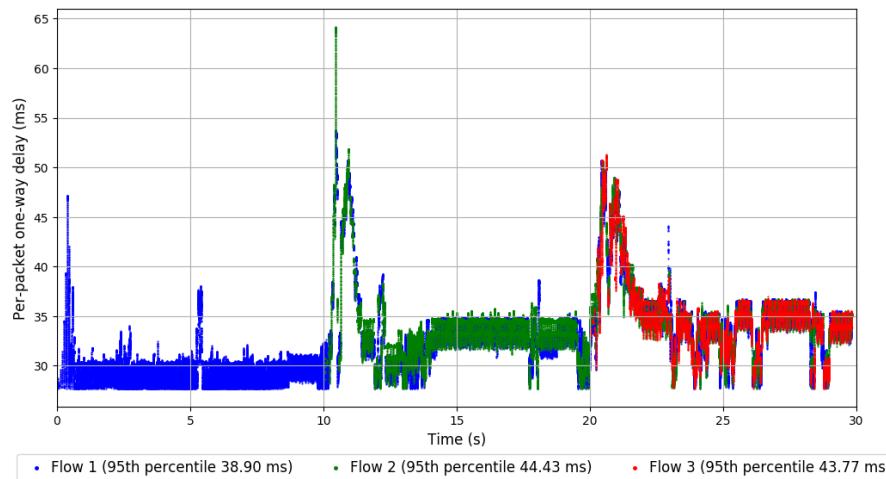
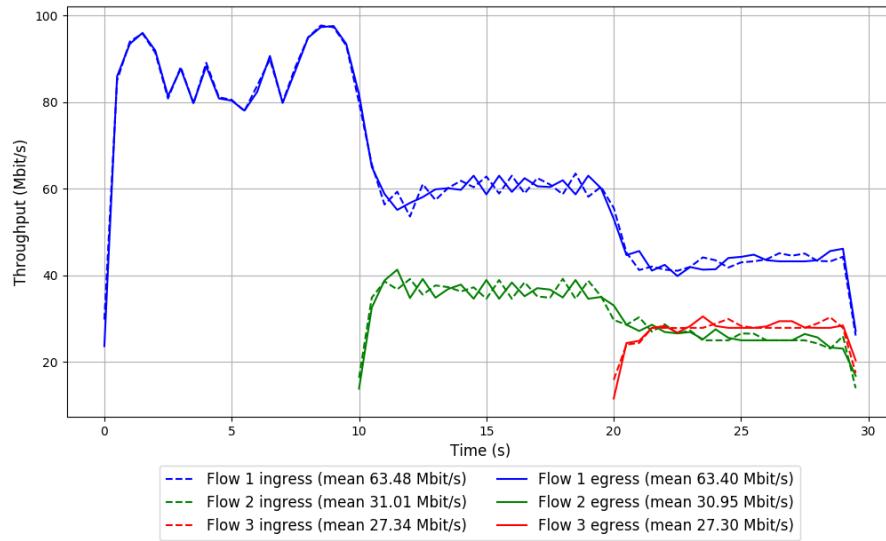


Run 7: Statistics of Indigo

```
Start at: 2017-12-06 00:28:25
End at: 2017-12-06 00:28:55
Local clock offset: -0.521 ms
Remote clock offset: -3.595 ms

# Below is generated by plot.py at 2017-12-06 02:32:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 41.319 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 63.40 Mbit/s
95th percentile per-packet one-way delay: 38.903 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 44.431 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 43.768 ms
Loss rate: 0.12%
```

Run 7: Report of Indigo — Data Link

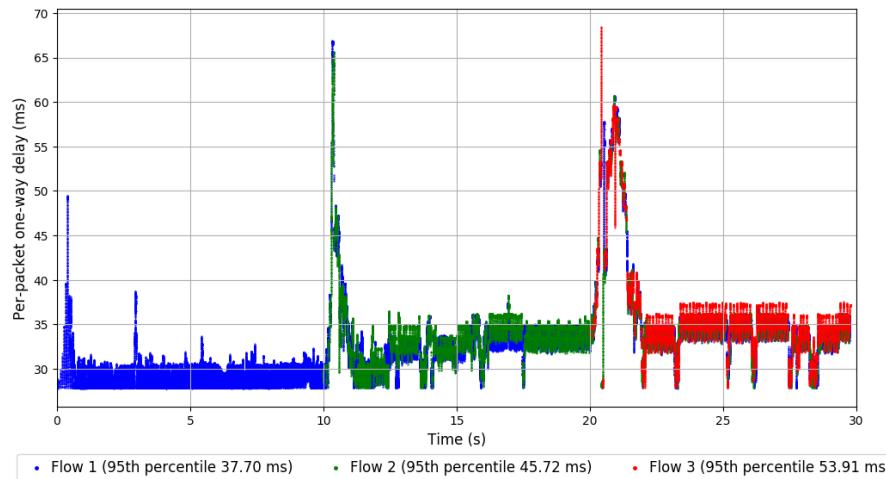
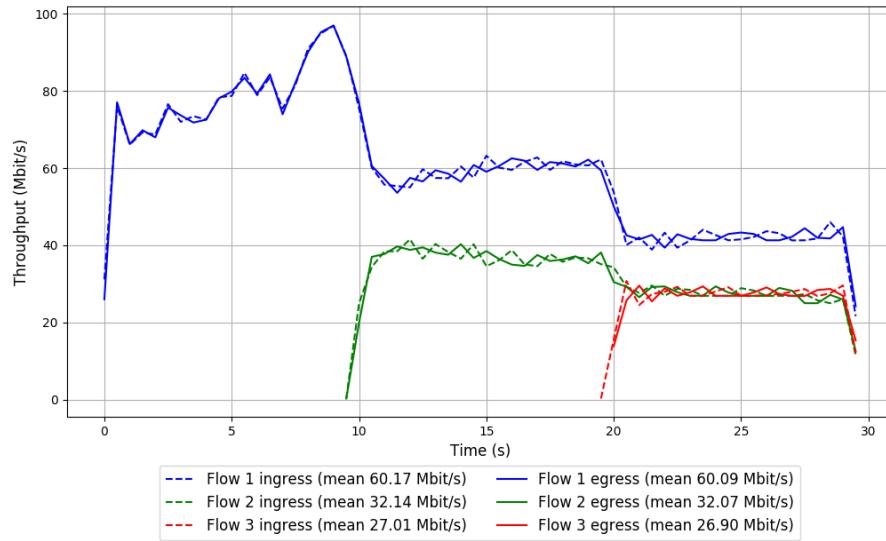


Run 8: Statistics of Indigo

```
Start at: 2017-12-06 00:49:29
End at: 2017-12-06 00:49:59
Local clock offset: -0.66 ms
Remote clock offset: -2.866 ms

# Below is generated by plot.py at 2017-12-06 02:33:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 41.011 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 37.700 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 45.718 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.38%
```

Run 8: Report of Indigo — Data Link

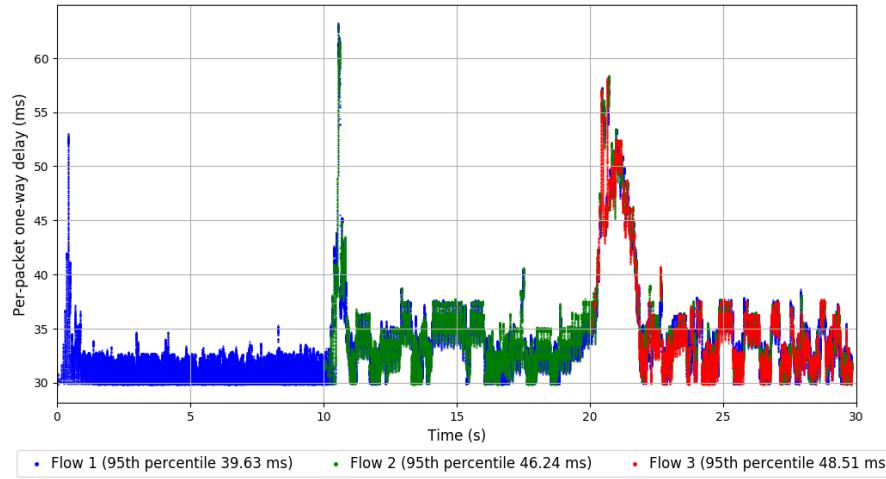
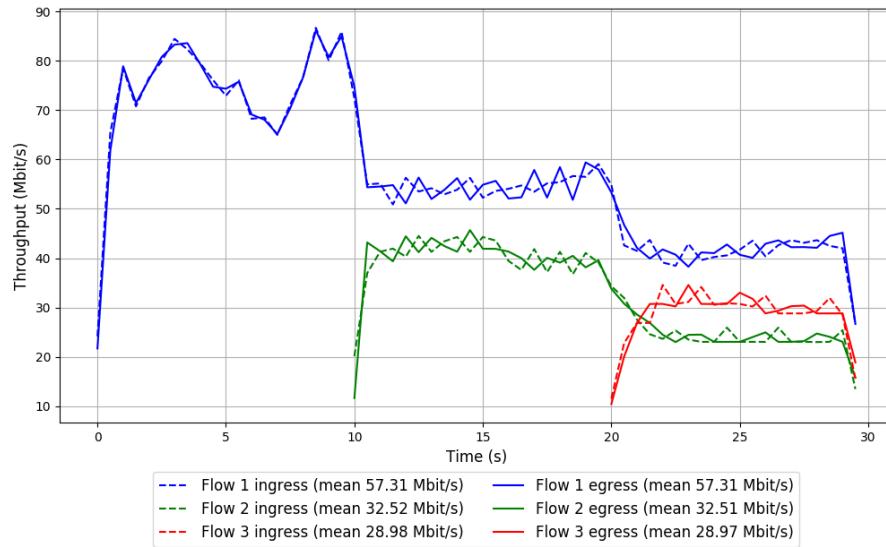


Run 9: Statistics of Indigo

```
Start at: 2017-12-06 01:13:29
End at: 2017-12-06 01:13:59
Local clock offset: -0.825 ms
Remote clock offset: -0.761 ms

# Below is generated by plot.py at 2017-12-06 02:33:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 43.780 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 39.631 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.51 Mbit/s
95th percentile per-packet one-way delay: 46.244 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 48.509 ms
Loss rate: 0.09%
```

Run 9: Report of Indigo — Data Link

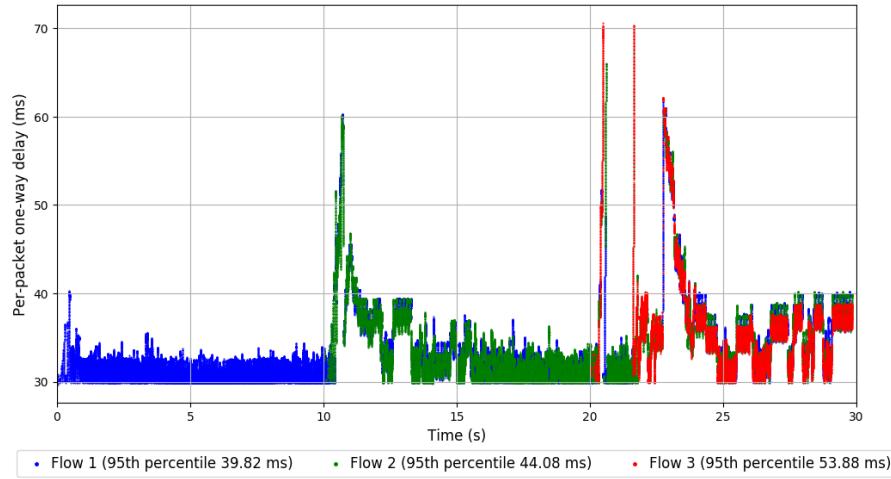
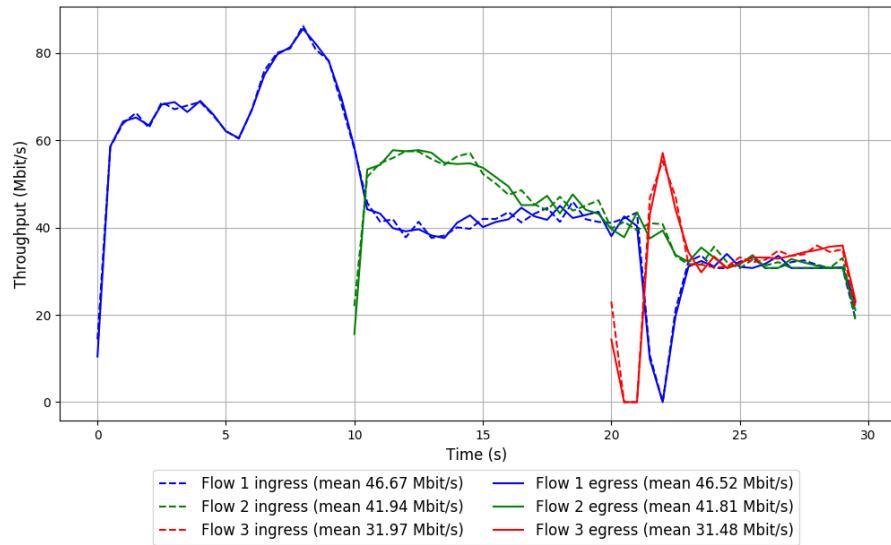


Run 10: Statistics of Indigo

```
Start at: 2017-12-06 01:38:16
End at: 2017-12-06 01:38:46
Local clock offset: -1.084 ms
Remote clock offset: -1.115 ms

# Below is generated by plot.py at 2017-12-06 02:33:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.57 Mbit/s
95th percentile per-packet one-way delay: 42.774 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 39.816 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 44.076 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 53.881 ms
Loss rate: 1.44%
```

Run 10: Report of Indigo — Data Link

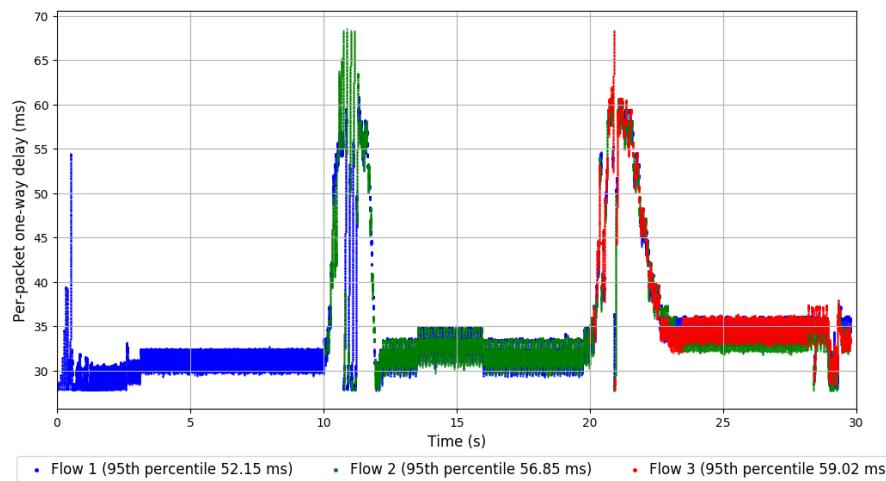
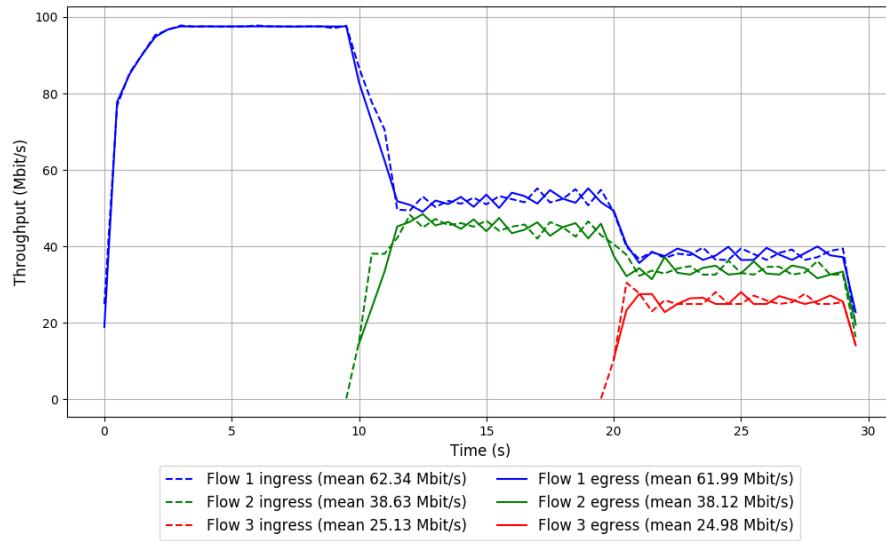


Run 1: Statistics of Indigo-calib

```
Start at: 2017-12-05 22:34:05
End at: 2017-12-05 22:34:35
Local clock offset: -0.282 ms
Remote clock offset: -3.688 ms

# Below is generated by plot.py at 2017-12-06 02:33:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 54.488 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 52.147 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 56.849 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 59.015 ms
Loss rate: 0.59%
```

Run 1: Report of Indigo-calib — Data Link

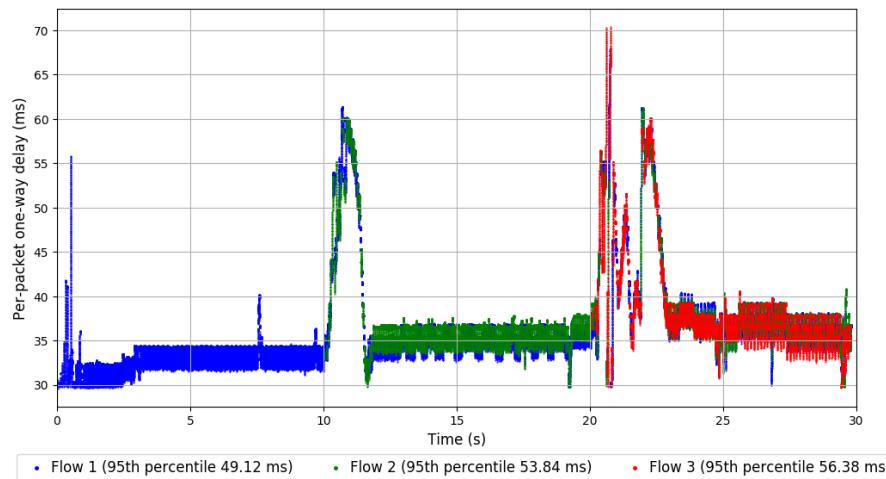
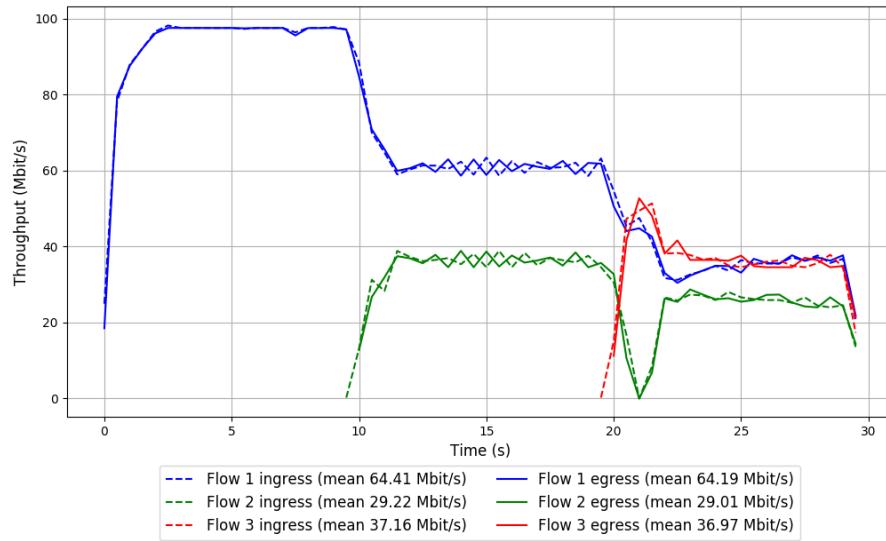


Run 2: Statistics of Indigo-calib

```
Start at: 2017-12-05 22:54:14
End at: 2017-12-05 22:54:44
Local clock offset: -0.265 ms
Remote clock offset: -1.707 ms

# Below is generated by plot.py at 2017-12-06 02:34:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 52.520 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 64.19 Mbit/s
95th percentile per-packet one-way delay: 49.122 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 53.845 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 56.377 ms
Loss rate: 0.51%
```

Run 2: Report of Indigo-calib — Data Link

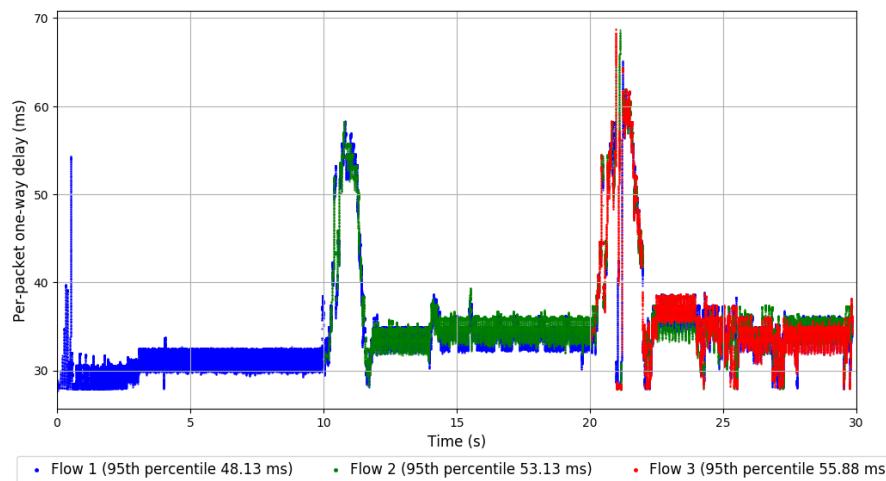
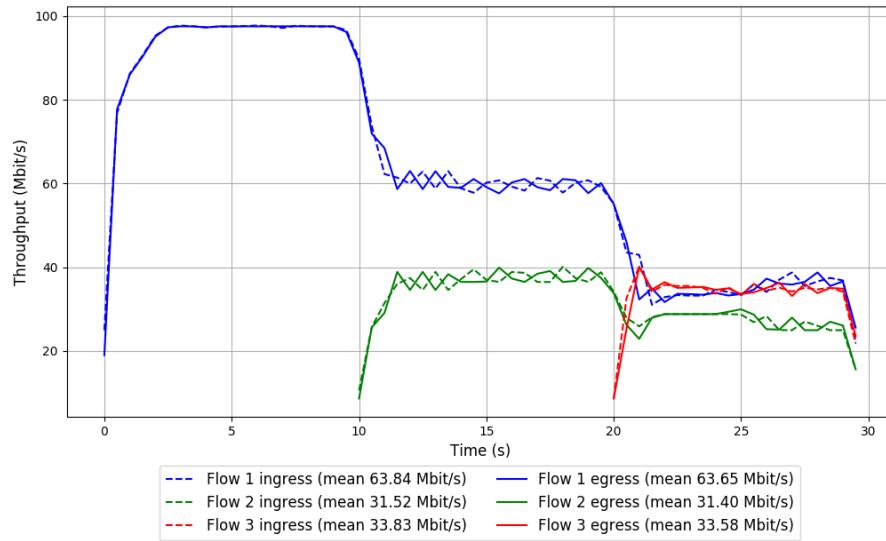


Run 3: Statistics of Indigo-calib

```
Start at: 2017-12-05 23:13:59
End at: 2017-12-05 23:14:29
Local clock offset: -0.332 ms
Remote clock offset: -3.828 ms

# Below is generated by plot.py at 2017-12-06 02:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 51.874 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 48.129 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 53.127 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 55.880 ms
Loss rate: 0.69%
```

Run 3: Report of Indigo-calib — Data Link

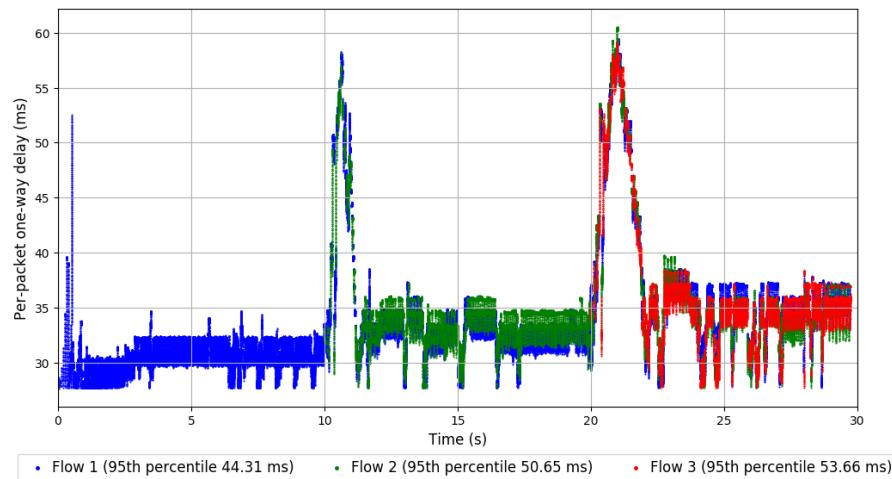
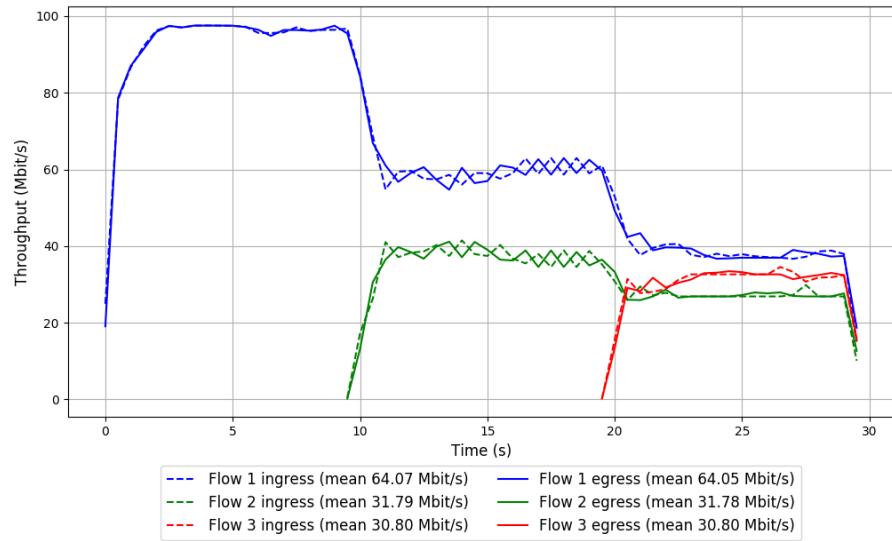


Run 4: Statistics of Indigo-calib

```
Start at: 2017-12-05 23:34:41
End at: 2017-12-05 23:35:11
Local clock offset: -0.354 ms
Remote clock offset: -4.747 ms

# Below is generated by plot.py at 2017-12-06 02:34:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 49.136 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.05 Mbit/s
95th percentile per-packet one-way delay: 44.309 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 50.649 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 53.660 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-calib — Data Link

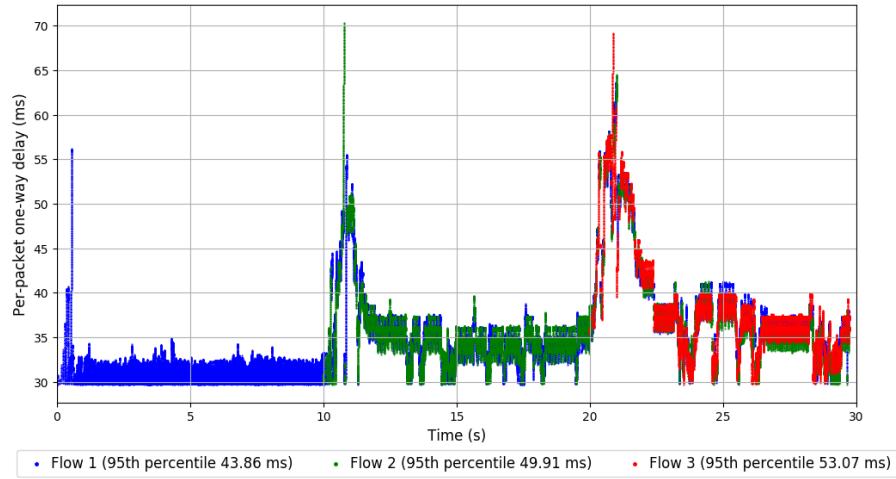
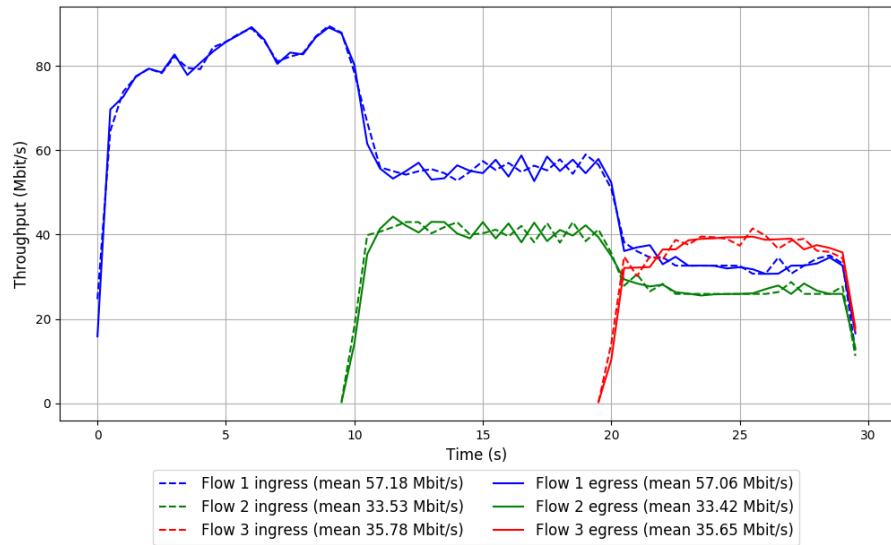


Run 5: Statistics of Indigo-calib

```
Start at: 2017-12-05 23:56:41
End at: 2017-12-05 23:57:11
Local clock offset: -0.304 ms
Remote clock offset: -2.474 ms

# Below is generated by plot.py at 2017-12-06 02:34:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 48.273 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 43.859 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 33.42 Mbit/s
95th percentile per-packet one-way delay: 49.908 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 53.070 ms
Loss rate: 0.35%
```

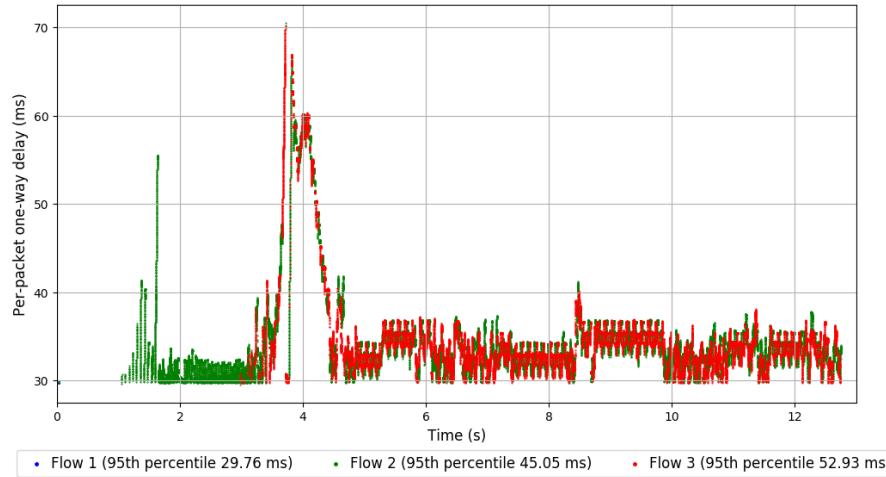
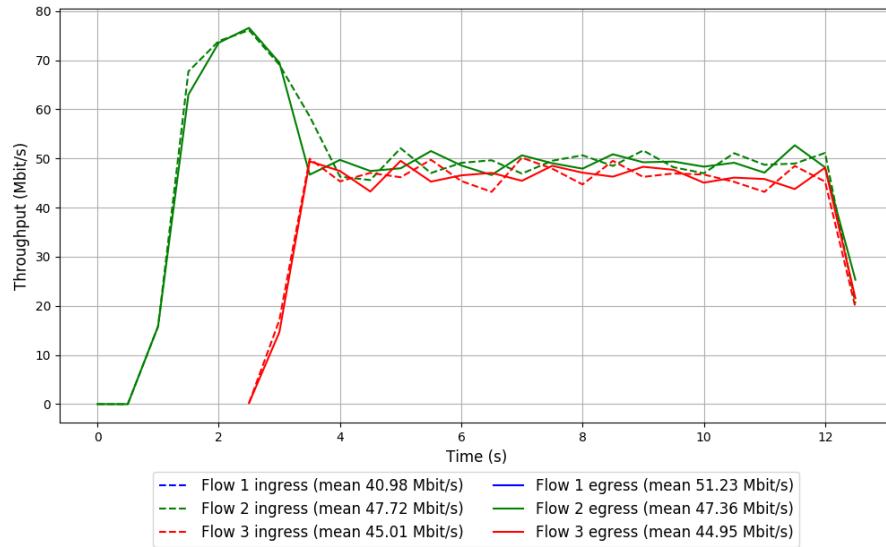
Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-12-06 00:19:01
End at: 2017-12-06 00:19:31
Local clock offset: -0.416 ms
Remote clock offset: -1.929 ms

Run 6: Report of Indigo-calib — Data Link

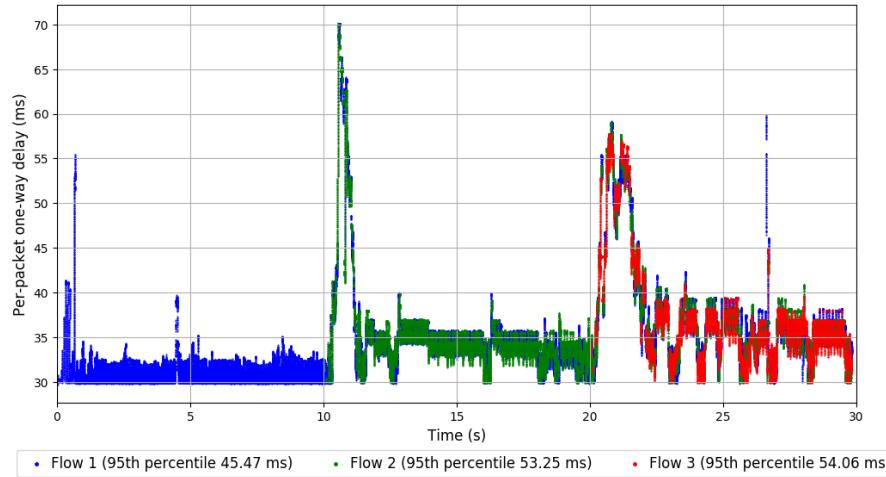
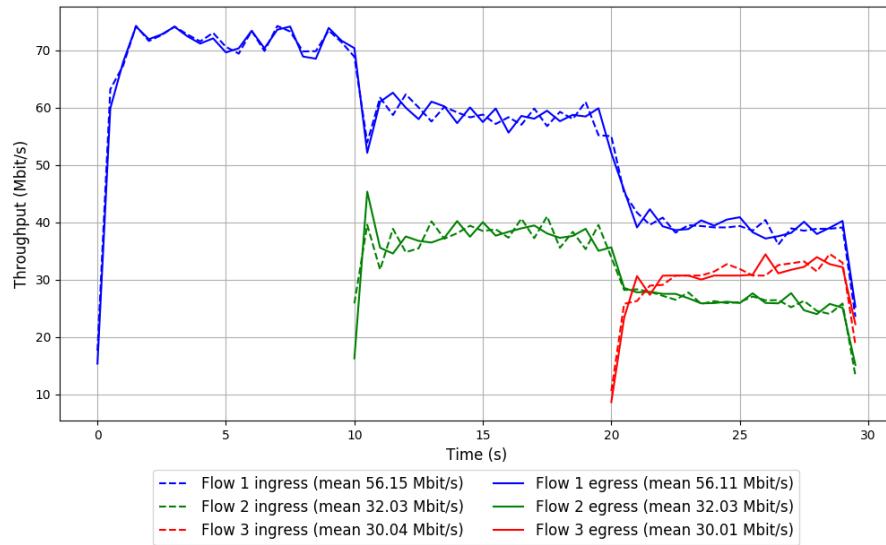


Run 7: Statistics of Indigo-calib

```
Start at: 2017-12-06 00:40:10
End at: 2017-12-06 00:40:40
Local clock offset: -0.6 ms
Remote clock offset: -1.075 ms

# Below is generated by plot.py at 2017-12-06 02:34:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 50.840 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 45.474 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 53.253 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 54.061 ms
Loss rate: 0.12%
```

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

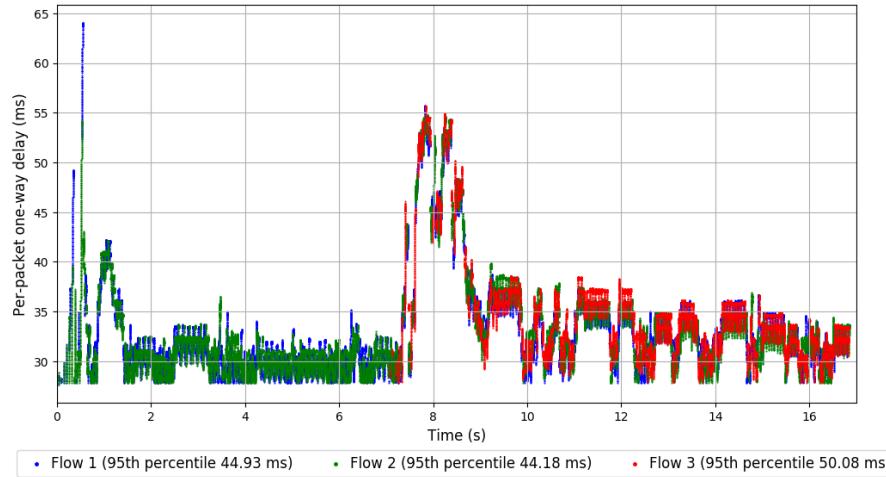
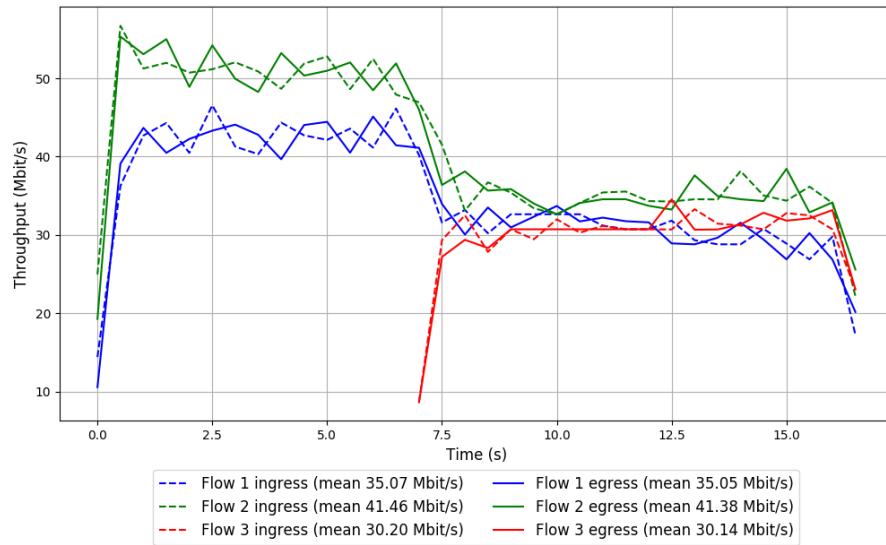
Start at: 2017-12-06 01:01:54

End at: 2017-12-06 01:02:24

Local clock offset: -0.659 ms

Remote clock offset: -2.679 ms

Run 8: Report of Indigo-calib — Data Link

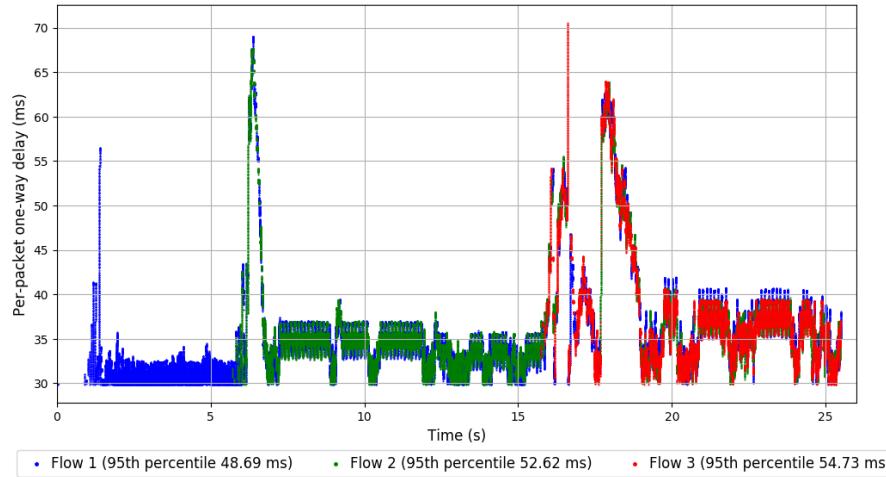
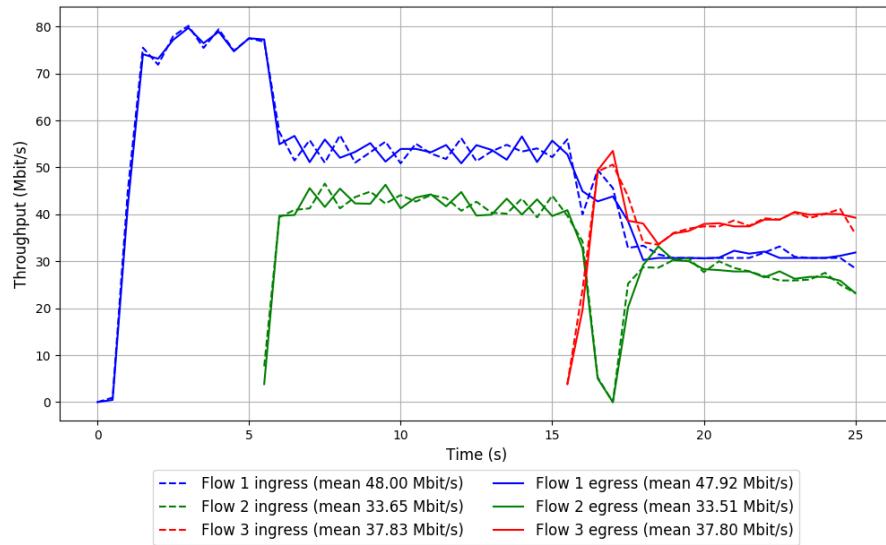


Run 9: Statistics of Indigo-calib

```
Start at: 2017-12-06 01:27:05
End at: 2017-12-06 01:27:35
Local clock offset: -0.879 ms
Remote clock offset: -0.87 ms

# Below is generated by plot.py at 2017-12-06 02:34:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.43 Mbit/s
95th percentile per-packet one-way delay: 51.597 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 47.92 Mbit/s
95th percentile per-packet one-way delay: 48.694 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 52.623 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 54.729 ms
Loss rate: 0.04%
```

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

```
Start at: 2017-12-06 01:51:55
End at: 2017-12-06 01:52:25
Local clock offset: -1.118 ms
Remote clock offset: -3.362 ms

# Below is generated by plot.py at 2017-12-06 02:34:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 48.142 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 43.338 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 49.213 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 52.754 ms
Loss rate: 0.38%
```

Run 10: Report of Indigo-calib — Data Link

