

Pantheon Report

Generated at 2018-02-20 19:17:41 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

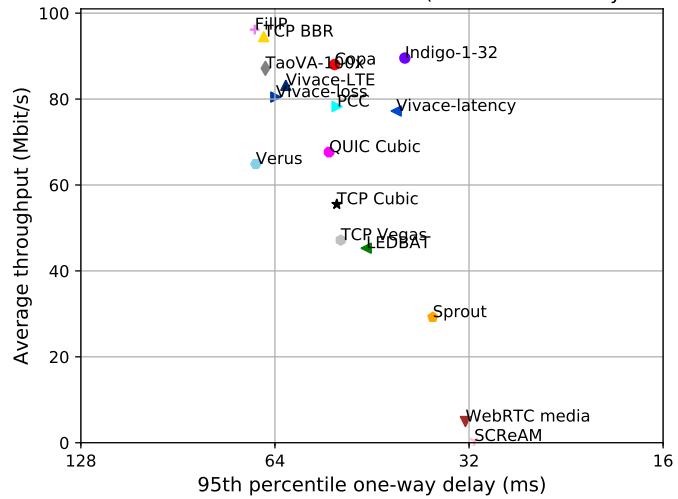
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

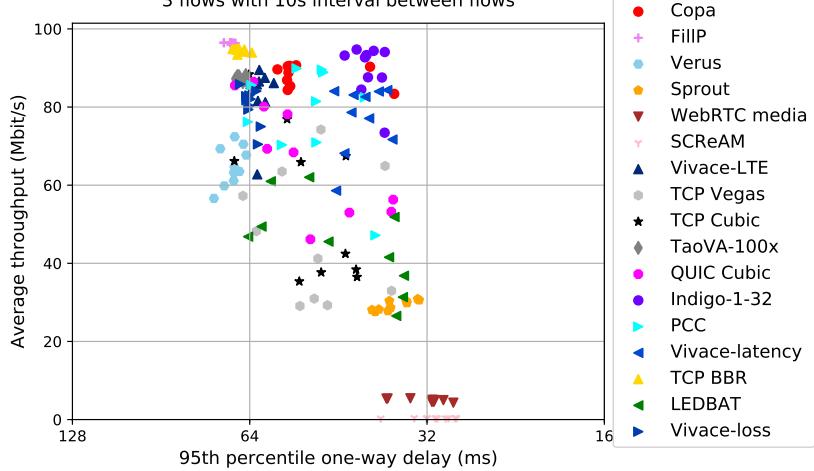
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bfff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bf7e749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ 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



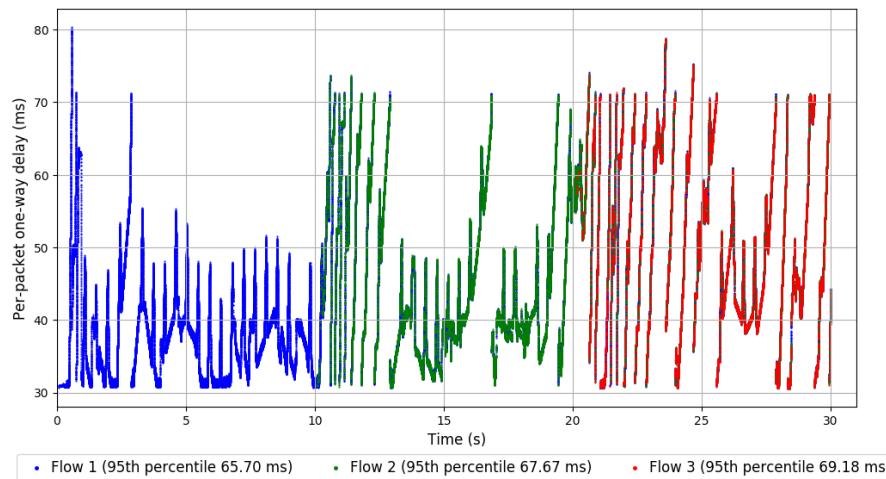
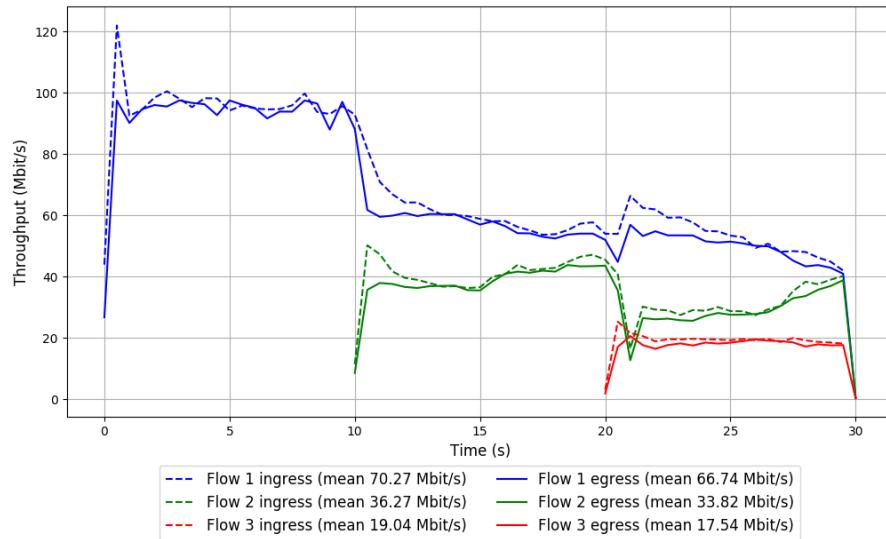
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	62.95	33.22	28.55	65.67	67.56	68.02	4.69	6.55	7.52
TCP Cubic	10	23.94	30.00	34.96	49.12	51.84	50.31	0.60	0.66	0.75
LEDBAT	10	25.44	22.07	15.58	44.90	46.97	46.73	0.27	0.27	0.33
PCC	10	64.66	15.97	9.00	50.63	52.24	56.34	1.48	1.55	2.14
QUIC Cubic	10	41.08	26.44	27.39	51.55	52.99	54.77	1.15	0.90	1.36
SCReAM	10	0.20	0.21	0.21	31.43	31.09	31.59	0.20	0.15	0.23
WebRTC media	10	2.67	1.69	0.60	32.50	32.38	31.49	0.29	0.24	0.00
Sprout	10	14.87	14.70	13.88	35.73	36.51	37.57	0.54	0.64	0.99
TaoVA-100x	10	52.82	38.60	27.23	64.69	66.64	66.91	14.04	24.29	18.26
TCP Vegas	10	23.72	23.44	23.63	45.40	47.42	39.43	1.04	1.32	1.03
Verus	10	43.19	24.84	17.74	68.26	68.74	66.20	46.03	49.95	36.49
Copa	10	81.48	7.61	5.14	51.60	46.72	46.55	72.17	66.02	60.60
FillP	10	55.21	39.45	44.74	68.64	68.79	69.35	26.51	33.26	39.85
Indigo-1-32	10	55.13	35.26	33.75	39.12	41.34	44.12	0.70	0.75	0.76
Vivace-latency	10	58.68	22.47	10.93	41.01	42.62	43.84	0.49	0.52	0.50
Vivace-loss	10	55.13	28.44	19.59	63.86	63.29	63.29	5.57	5.69	6.10
Vivace-LTE	10	58.54	26.96	20.42	60.00	62.45	63.92	2.15	2.30	3.08

Run 1: Statistics of TCP BBR

```
Start at: 2018-02-20 13:54:43
End at: 2018-02-20 13:55:13
Local clock offset: 2.709 ms
Remote clock offset: -2.204 ms

# Below is generated by plot.py at 2018-02-20 18:48:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 66.801 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 66.74 Mbit/s
95th percentile per-packet one-way delay: 65.705 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 67.668 ms
Loss rate: 6.68%
-- Flow 3:
Average throughput: 17.54 Mbit/s
95th percentile per-packet one-way delay: 69.182 ms
Loss rate: 8.00%
```

Run 1: Report of TCP BBR — Data Link

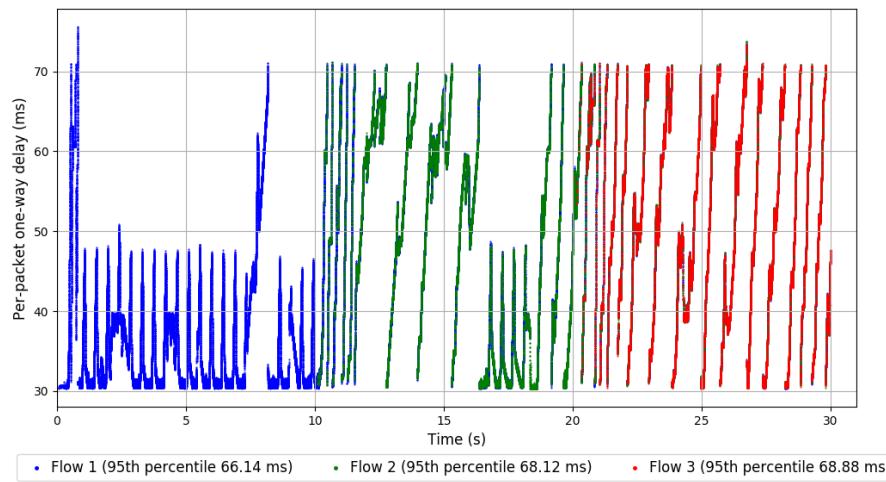
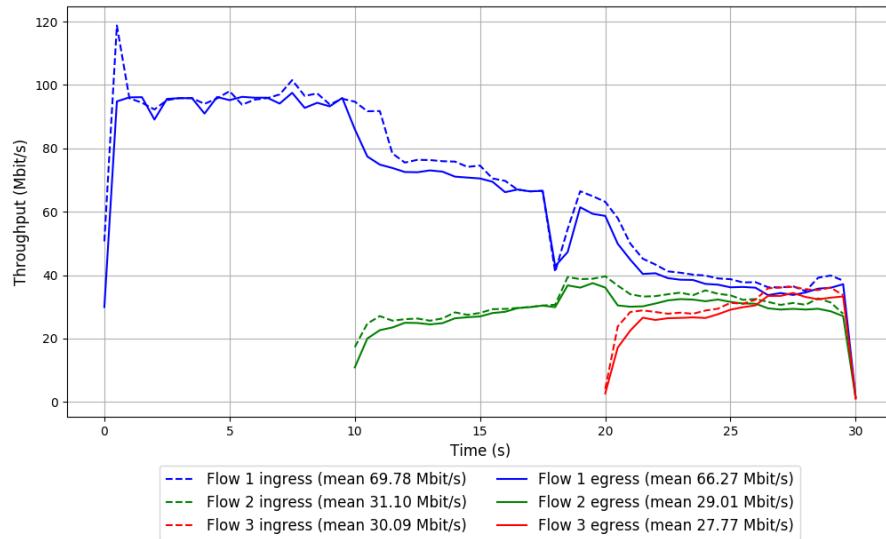


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-20 14:21:34
End at: 2018-02-20 14:22:04
Local clock offset: 1.723 ms
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2018-02-20 18:48:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 67.134 ms
Loss rate: 5.62%
-- Flow 1:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 66.144 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 68.121 ms
Loss rate: 6.70%
-- Flow 3:
Average throughput: 27.77 Mbit/s
95th percentile per-packet one-way delay: 68.876 ms
Loss rate: 7.83%
```

Run 2: Report of TCP BBR — Data Link

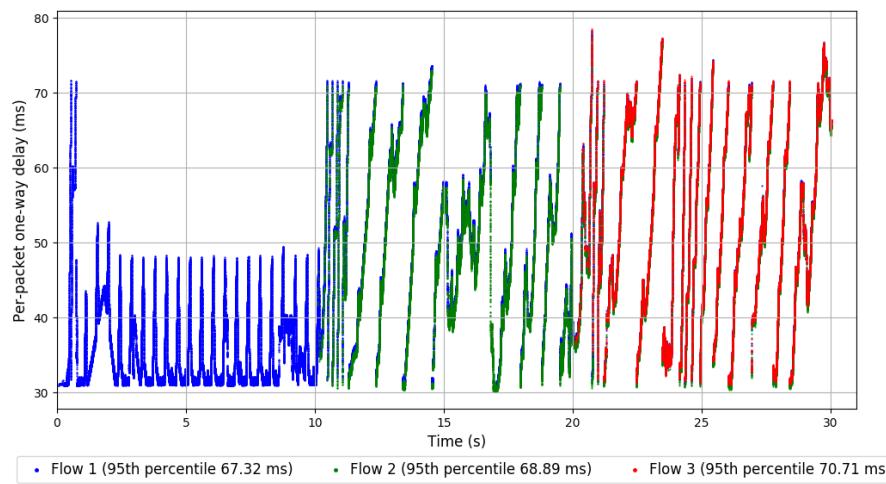
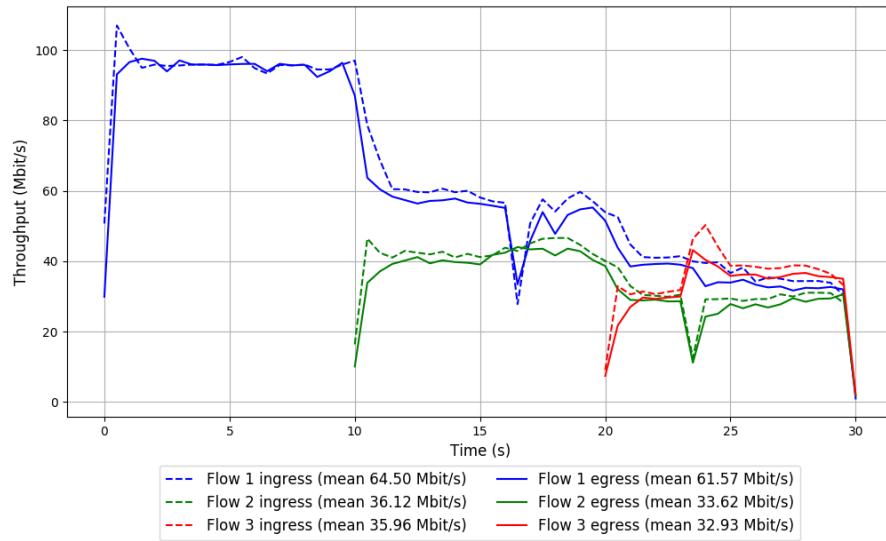


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-20 14:47:40
End at: 2018-02-20 14:48:10
Local clock offset: 1.564 ms
Remote clock offset: -1.435 ms

# Below is generated by plot.py at 2018-02-20 18:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 68.449 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 67.319 ms
Loss rate: 4.46%
-- Flow 2:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 68.892 ms
Loss rate: 6.78%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 70.706 ms
Loss rate: 8.17%
```

Run 3: Report of TCP BBR — Data Link

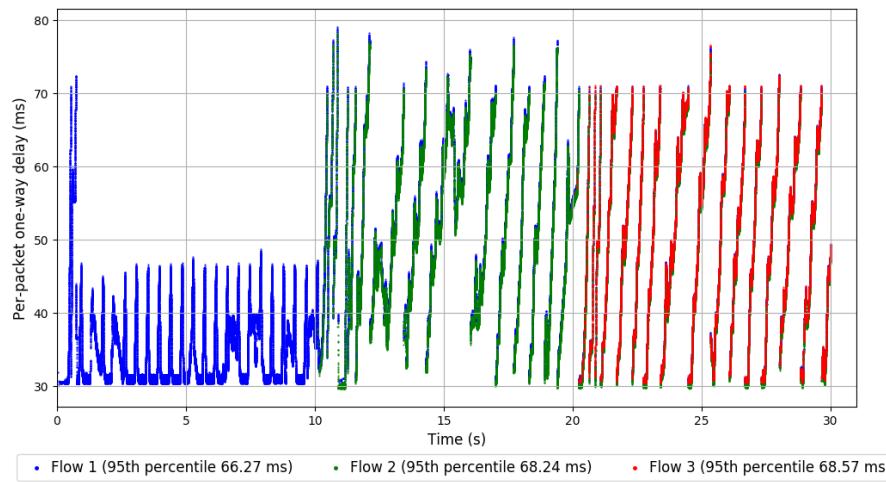
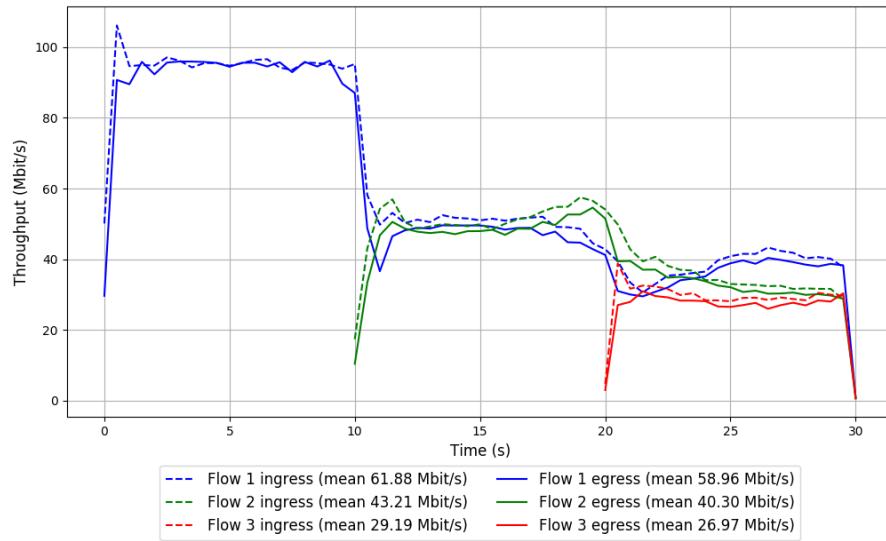


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-20 15:13:42
End at: 2018-02-20 15:14:12
Local clock offset: 1.255 ms
Remote clock offset: -4.629 ms

# Below is generated by plot.py at 2018-02-20 18:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 67.365 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 66.267 ms
Loss rate: 4.67%
-- Flow 2:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 68.240 ms
Loss rate: 6.69%
-- Flow 3:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 68.568 ms
Loss rate: 7.68%
```

Run 4: Report of TCP BBR — Data Link

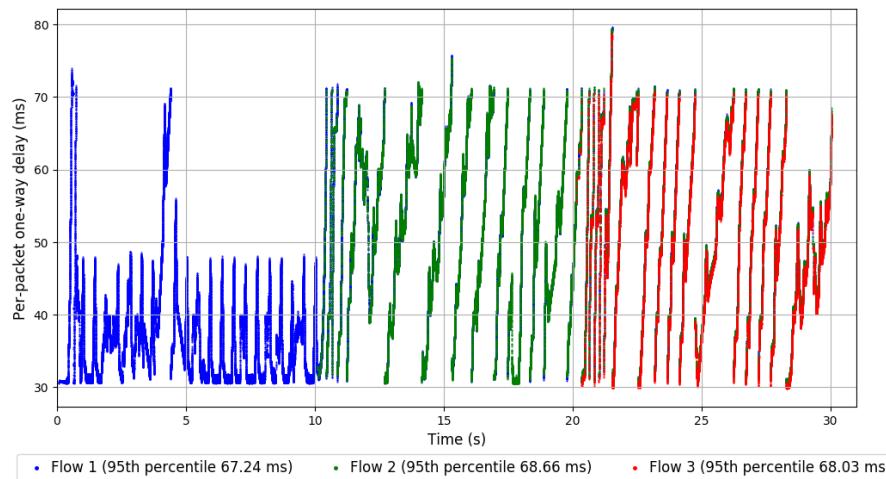
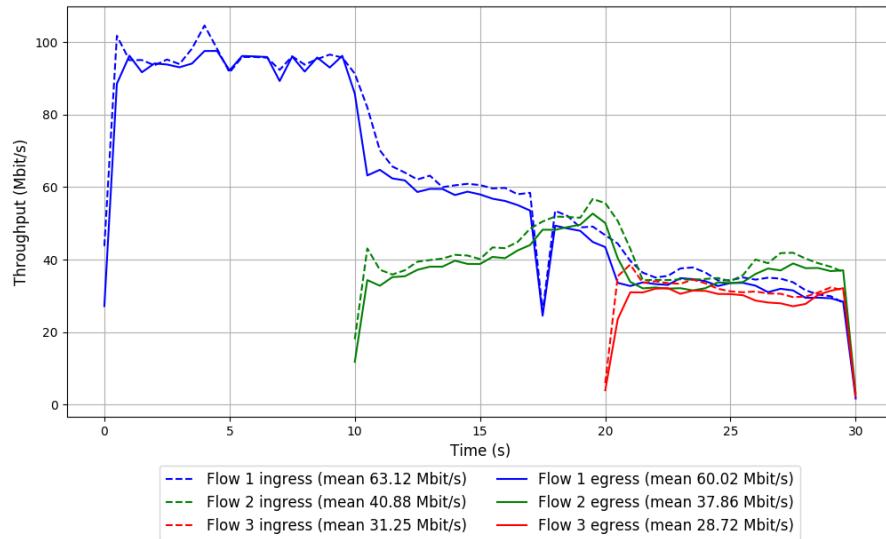


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-20 15:39:22
End at: 2018-02-20 15:39:52
Local clock offset: 2.154 ms
Remote clock offset: -5.687 ms

# Below is generated by plot.py at 2018-02-20 18:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 67.841 ms
Loss rate: 5.80%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 67.242 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 68.662 ms
Loss rate: 7.24%
-- Flow 3:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 68.031 ms
Loss rate: 7.92%
```

Run 5: Report of TCP BBR — Data Link

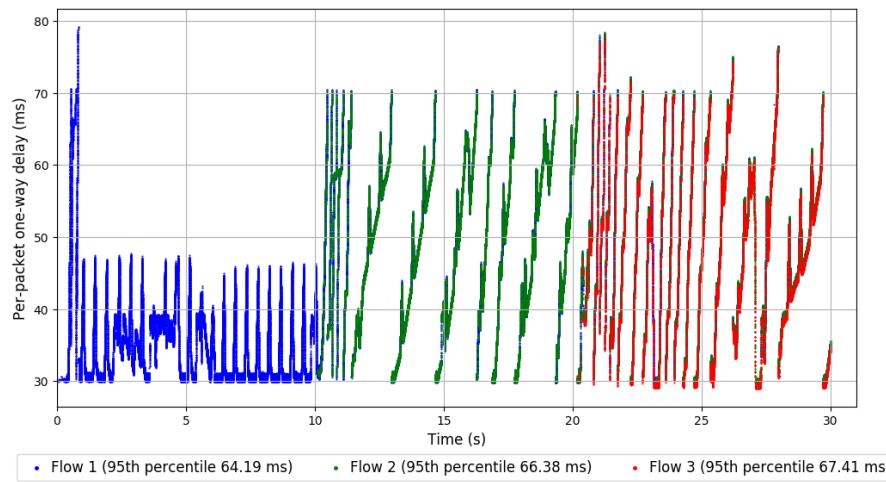
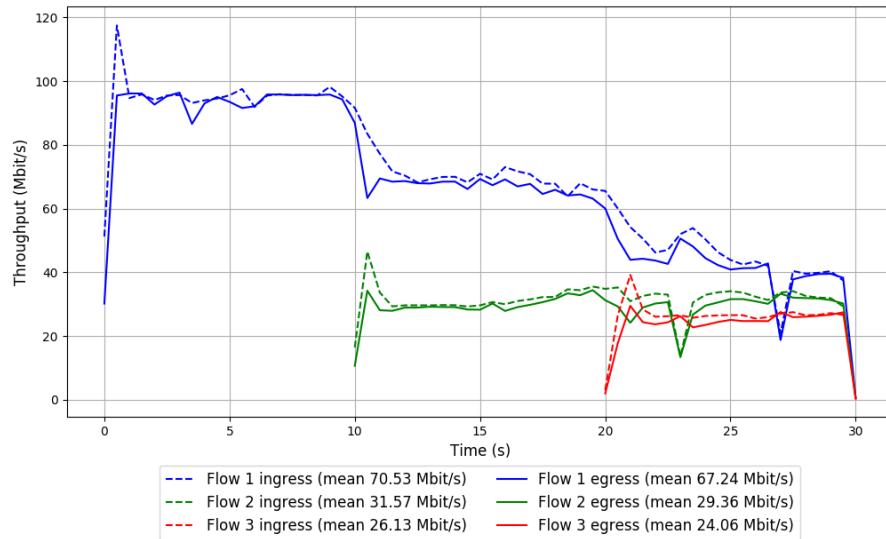


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-20 16:04:22
End at: 2018-02-20 16:04:52
Local clock offset: 2.027 ms
Remote clock offset: -4.089 ms

# Below is generated by plot.py at 2018-02-20 18:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 65.341 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 67.24 Mbit/s
95th percentile per-packet one-way delay: 64.189 ms
Loss rate: 4.66%
-- Flow 2:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 66.383 ms
Loss rate: 7.03%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 67.407 ms
Loss rate: 8.17%
```

Run 6: Report of TCP BBR — Data Link

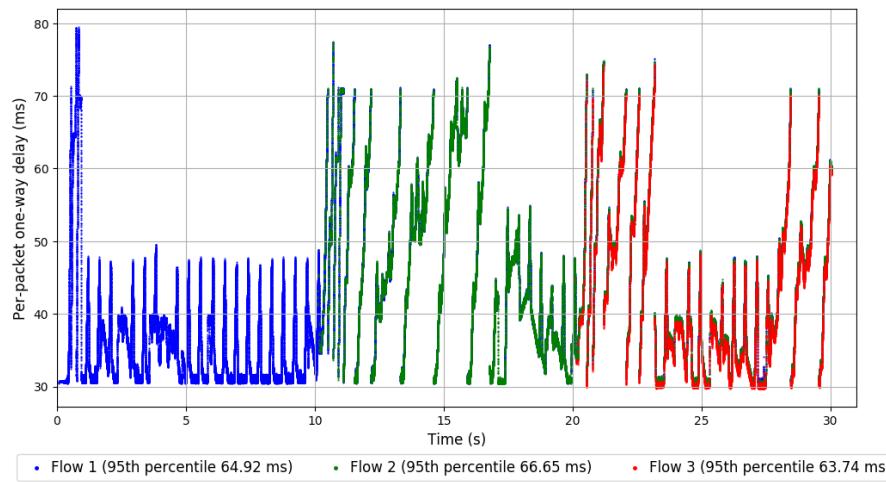
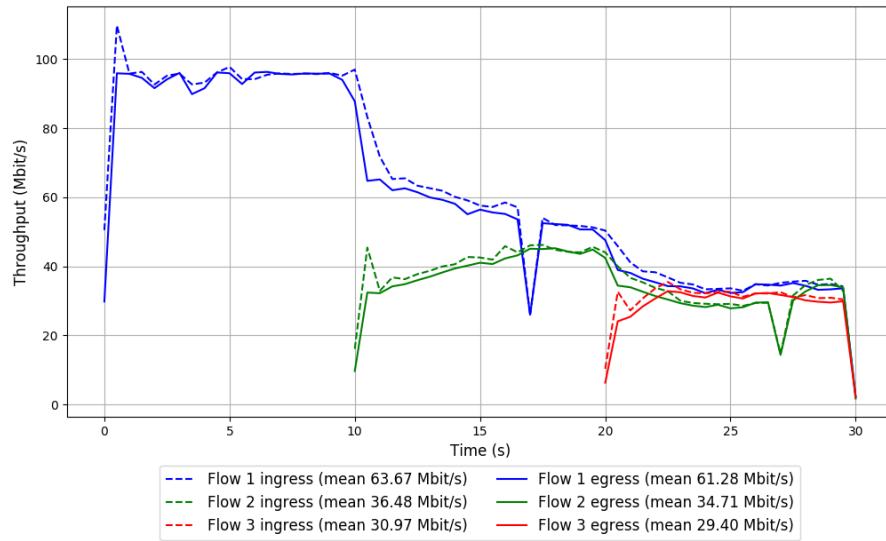


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-20 16:29:18
End at: 2018-02-20 16:29:48
Local clock offset: -3.873 ms
Remote clock offset: -2.765 ms

# Below is generated by plot.py at 2018-02-20 18:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 65.566 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 64.915 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 66.646 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 63.740 ms
Loss rate: 4.93%
```

Run 7: Report of TCP BBR — Data Link

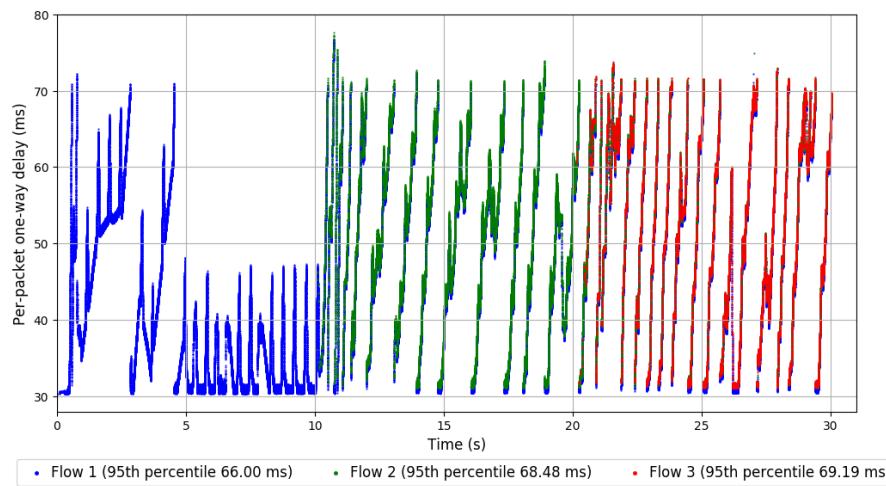
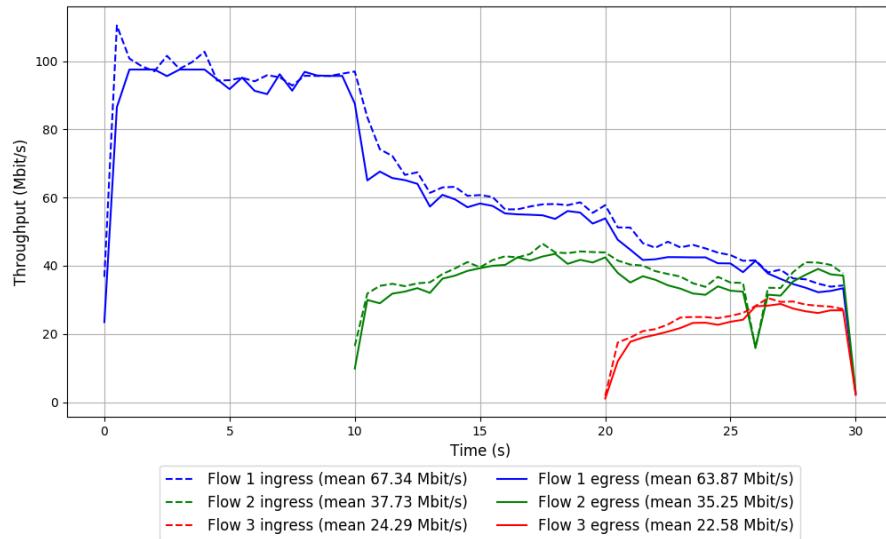


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-20 16:58:27
End at: 2018-02-20 16:58:57
Local clock offset: -5.564 ms
Remote clock offset: -8.412 ms

# Below is generated by plot.py at 2018-02-20 18:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 67.149 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 63.87 Mbit/s
95th percentile per-packet one-way delay: 66.004 ms
Loss rate: 5.06%
-- Flow 2:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 68.480 ms
Loss rate: 6.41%
-- Flow 3:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 69.194 ms
Loss rate: 6.95%
```

Run 8: Report of TCP BBR — Data Link

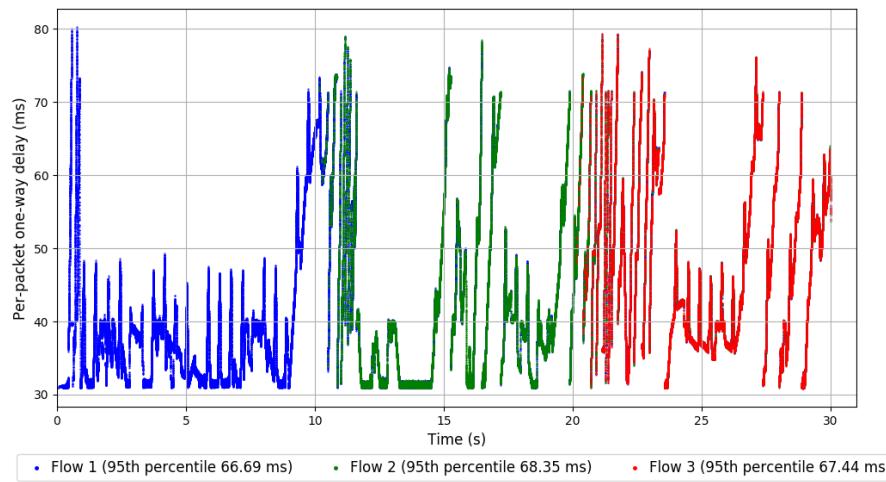
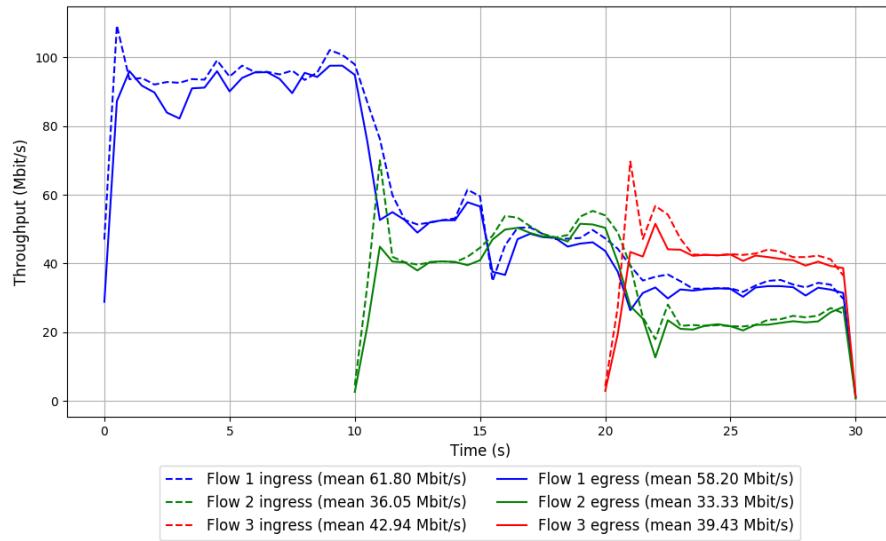


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-20 17:25:01
End at: 2018-02-20 17:25:31
Local clock offset: -0.081 ms
Remote clock offset: -5.985 ms

# Below is generated by plot.py at 2018-02-20 18:49:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 67.170 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 66.689 ms
Loss rate: 5.75%
-- Flow 2:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 68.347 ms
Loss rate: 7.61%
-- Flow 3:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 67.441 ms
Loss rate: 8.17%
```

Run 9: Report of TCP BBR — Data Link

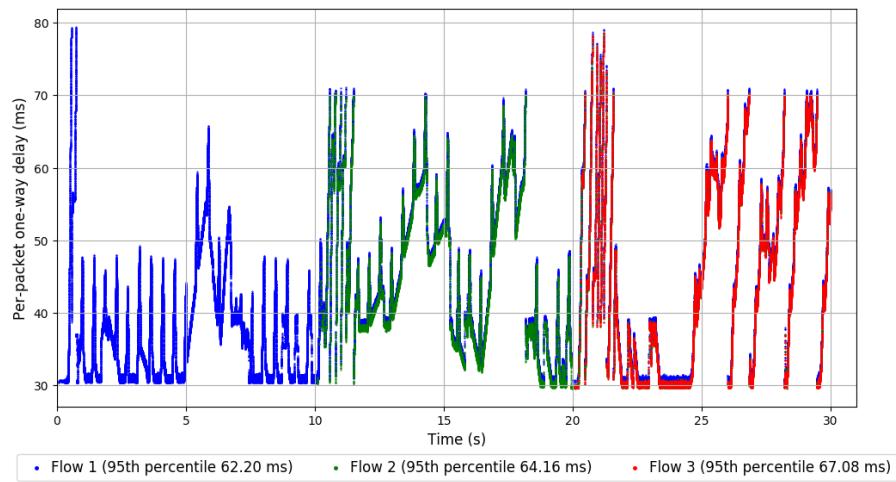
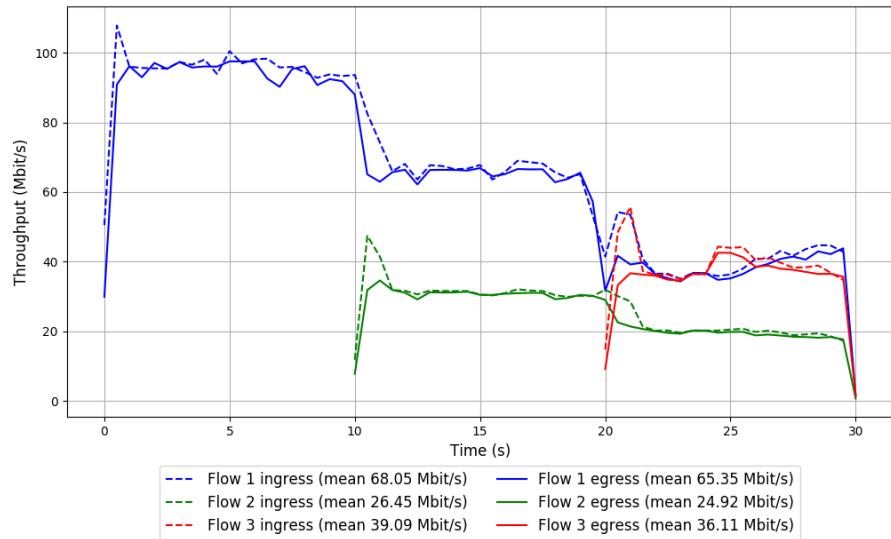


Run 10: Statistics of TCP BBR

```
Start at: 2018-02-20 17:52:03
End at: 2018-02-20 17:52:33
Local clock offset: -1.369 ms
Remote clock offset: -1.755 ms

# Below is generated by plot.py at 2018-02-20 18:49:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 63.462 ms
Loss rate: 4.67%
-- Flow 1:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 62.195 ms
Loss rate: 3.89%
-- Flow 2:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 64.156 ms
Loss rate: 5.67%
-- Flow 3:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 67.079 ms
Loss rate: 7.39%
```

Run 10: Report of TCP BBR — Data Link

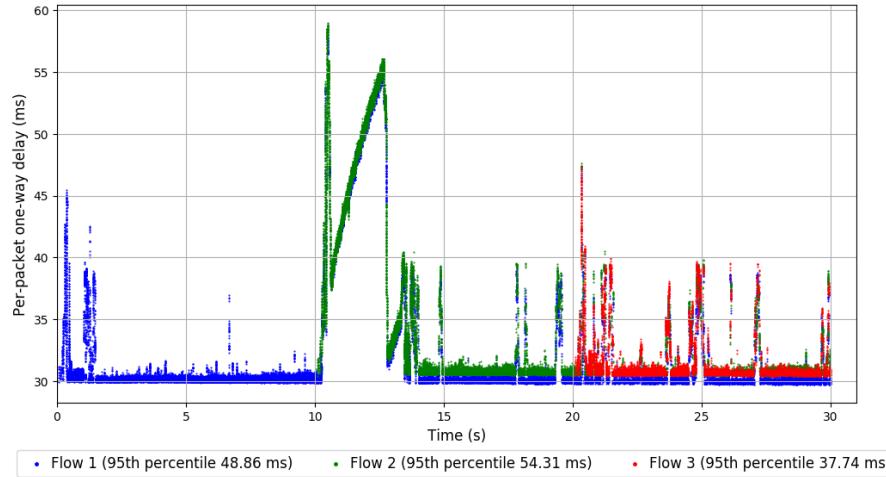
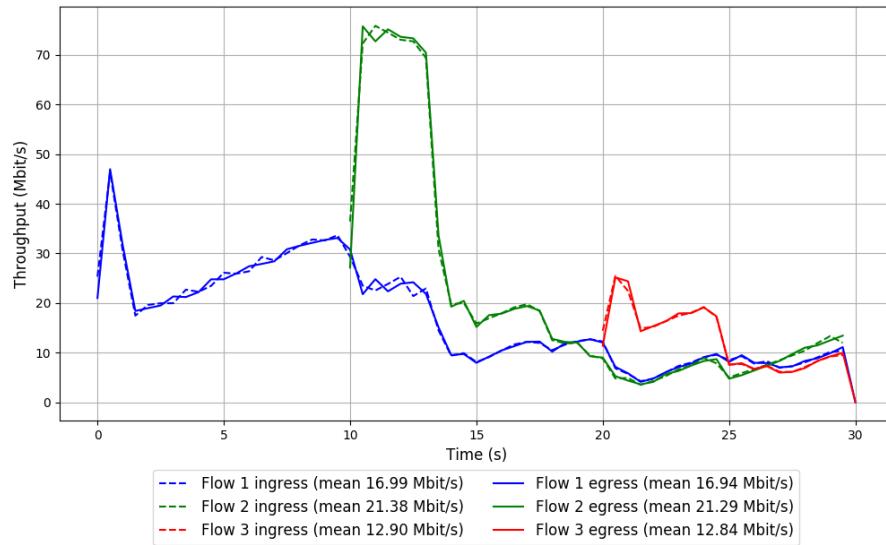


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-02-20 13:53:19
End at: 2018-02-20 13:53:49
Local clock offset: 2.946 ms
Remote clock offset: -2.758 ms

# Below is generated by plot.py at 2018-02-20 18:49:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 52.720 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 48.858 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 54.314 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 37.740 ms
Loss rate: 0.42%
```

Run 1: Report of TCP Cubic — Data Link

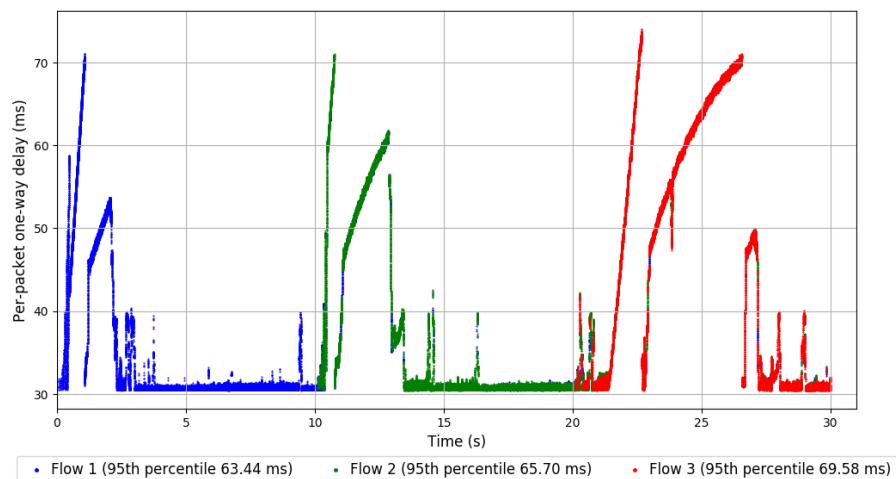
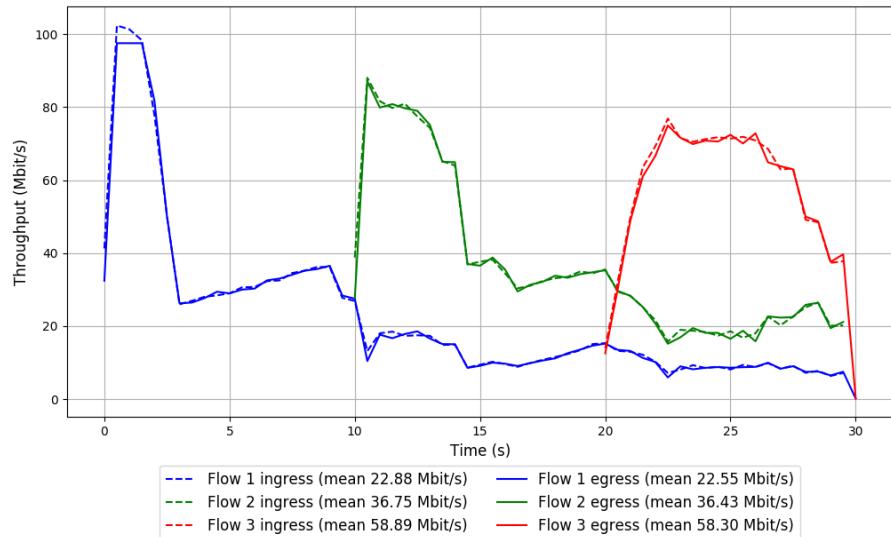


Run 2: Statistics of TCP Cubic

```
Start at: 2018-02-20 14:20:08
End at: 2018-02-20 14:20:38
Local clock offset: 1.773 ms
Remote clock offset: -0.192 ms

# Below is generated by plot.py at 2018-02-20 18:49:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.17 Mbit/s
95th percentile per-packet one-way delay: 67.971 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 63.440 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 65.704 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 69.584 ms
Loss rate: 1.00%
```

Run 2: Report of TCP Cubic — Data Link

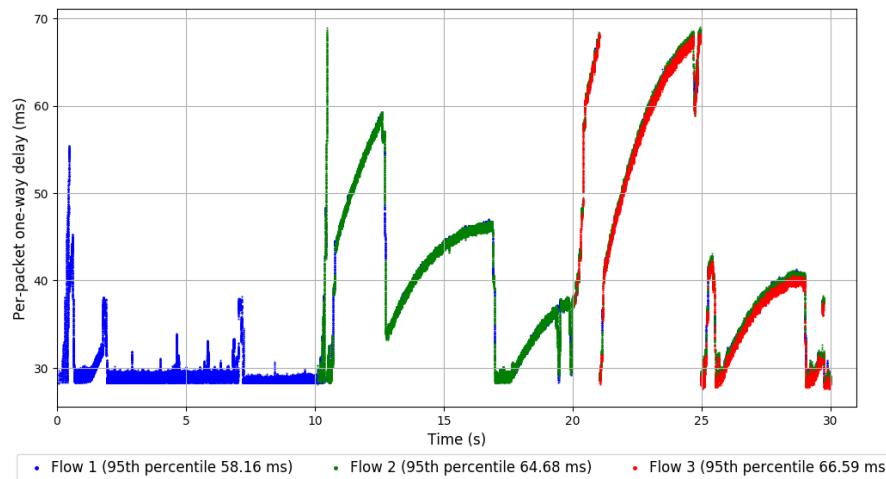
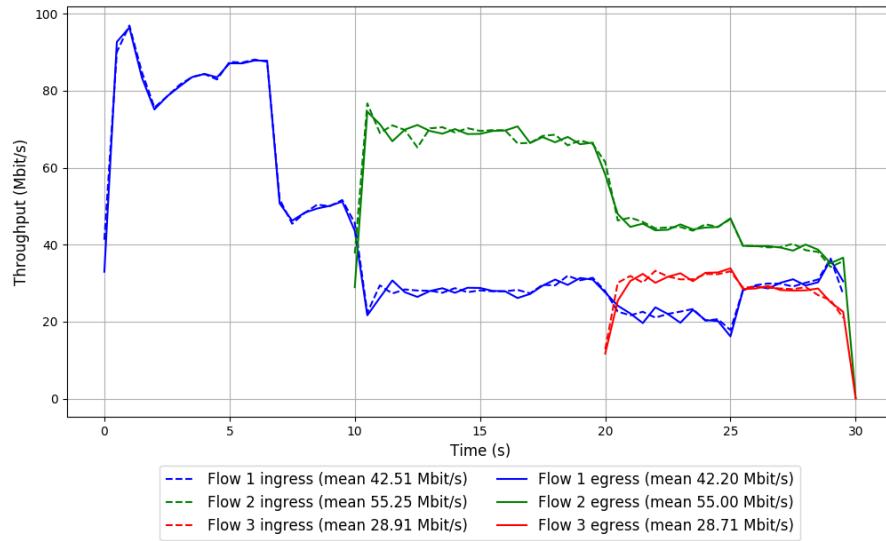


Run 3: Statistics of TCP Cubic

```
Start at: 2018-02-20 14:46:15
End at: 2018-02-20 14:46:45
Local clock offset: 1.545 ms
Remote clock offset: -3.986 ms

# Below is generated by plot.py at 2018-02-20 18:49:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 64.166 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 58.165 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 64.679 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 66.587 ms
Loss rate: 0.79%
```

Run 3: Report of TCP Cubic — Data Link

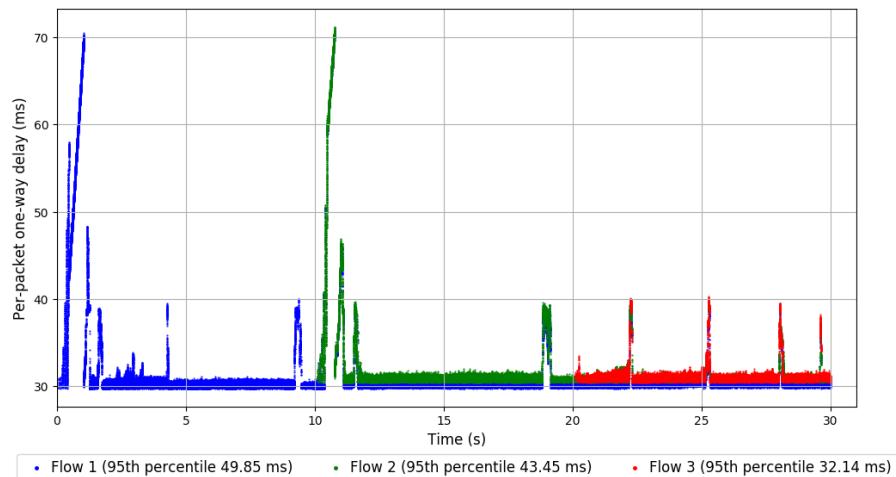
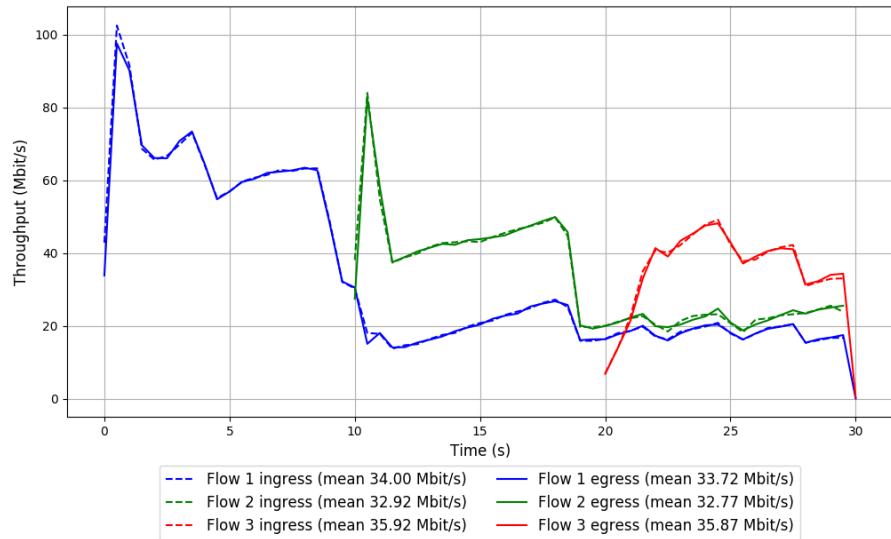


Run 4: Statistics of TCP Cubic

```
Start at: 2018-02-20 15:12:19
End at: 2018-02-20 15:12:49
Local clock offset: 1.262 ms
Remote clock offset: -4.423 ms

# Below is generated by plot.py at 2018-02-20 18:49:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.44 Mbit/s
95th percentile per-packet one-way delay: 43.941 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 49.848 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 43.445 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 32.141 ms
Loss rate: 0.11%
```

Run 4: Report of TCP Cubic — Data Link

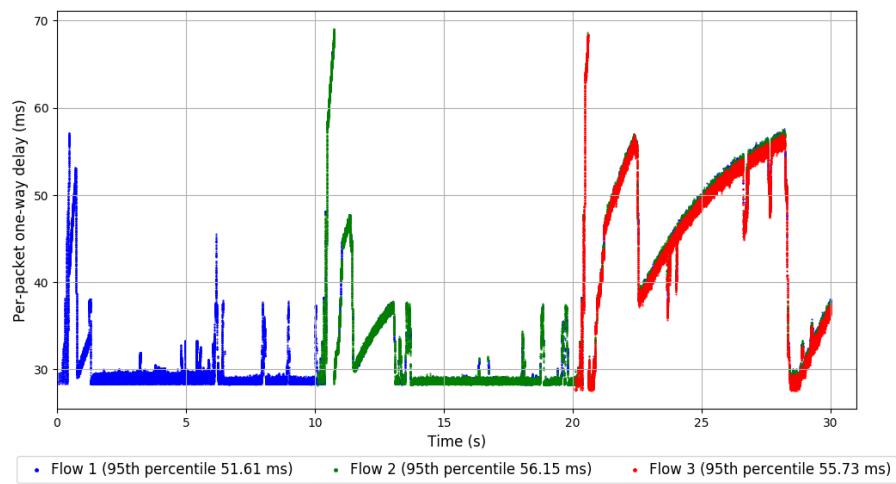
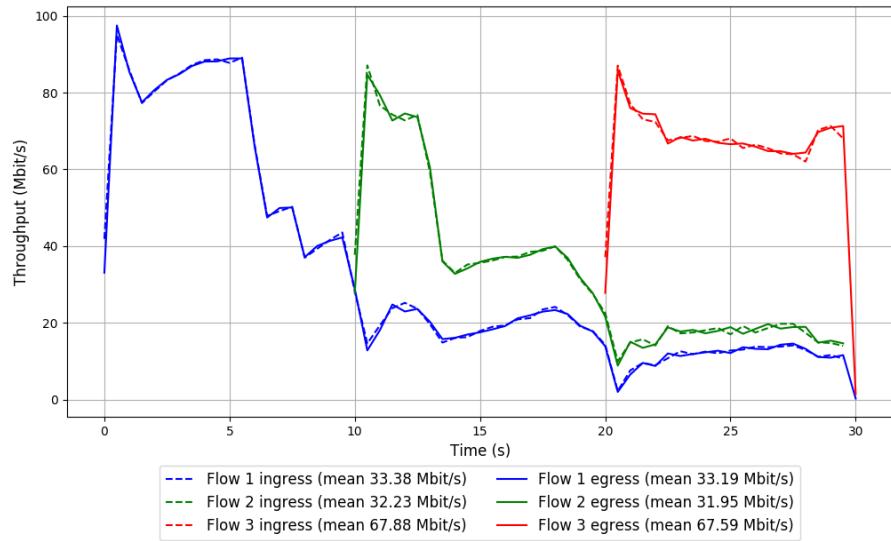


Run 5: Statistics of TCP Cubic

```
Start at: 2018-02-20 15:38:01
End at: 2018-02-20 15:38:31
Local clock offset: 2.066 ms
Remote clock offset: -8.219 ms

# Below is generated by plot.py at 2018-02-20 18:49:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 55.300 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 51.606 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 56.154 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 67.59 Mbit/s
95th percentile per-packet one-way delay: 55.733 ms
Loss rate: 0.34%
```

Run 5: Report of TCP Cubic — Data Link

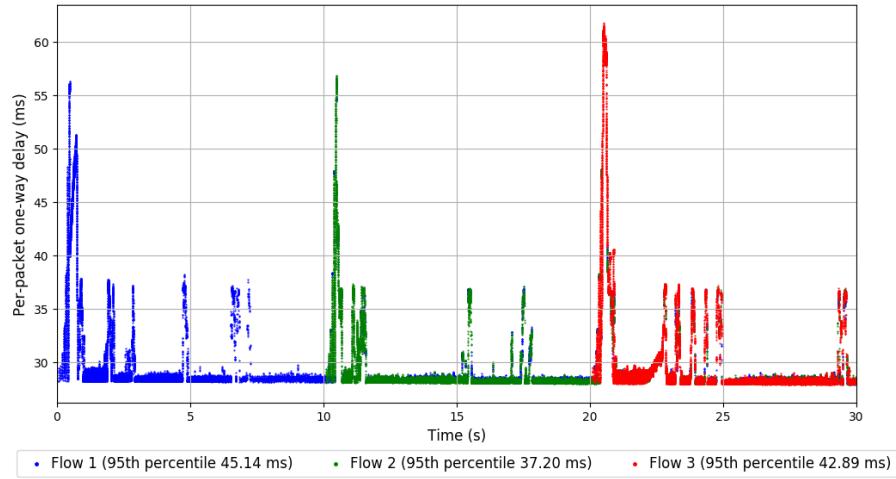
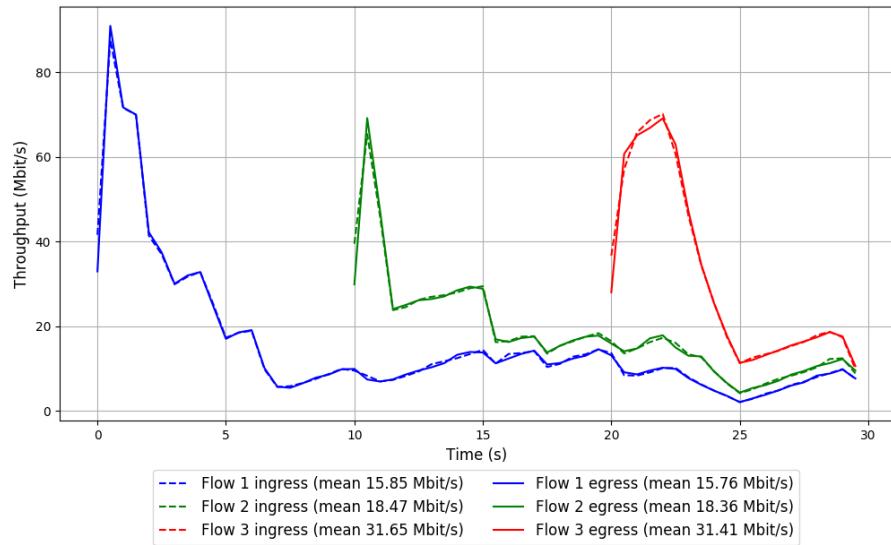


Run 6: Statistics of TCP Cubic

```
Start at: 2018-02-20 16:03:02
End at: 2018-02-20 16:03:32
Local clock offset: 2.754 ms
Remote clock offset: -5.982 ms

# Below is generated by plot.py at 2018-02-20 18:49:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 42.225 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 45.139 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 37.203 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 42.891 ms
Loss rate: 0.77%
```

Run 6: Report of TCP Cubic — Data Link

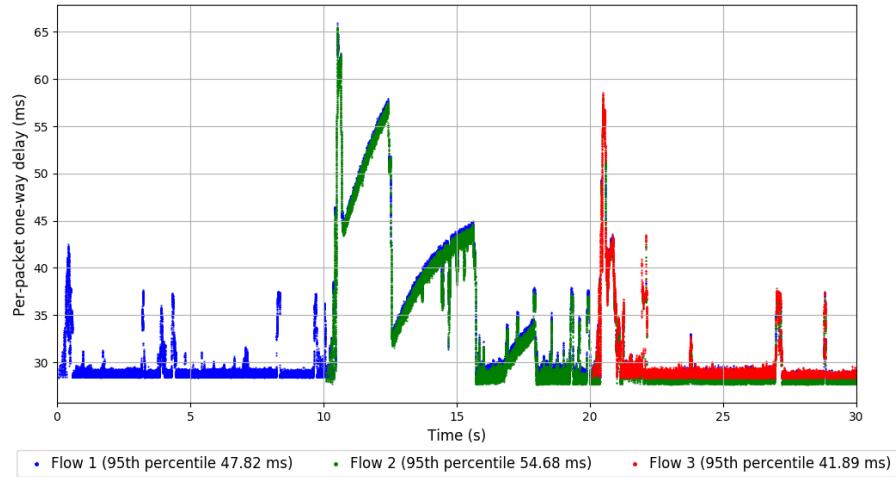
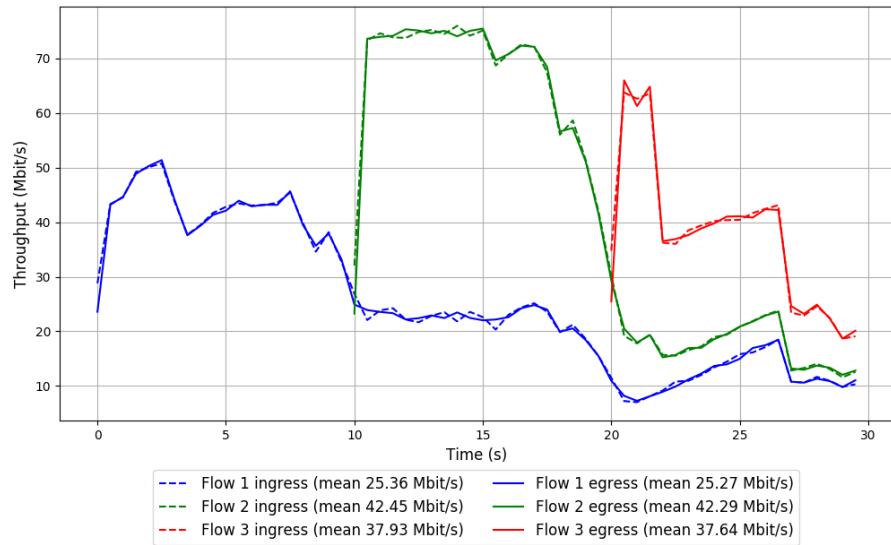


Run 7: Statistics of TCP Cubic

```
Start at: 2018-02-20 16:27:54
End at: 2018-02-20 16:28:24
Local clock offset: -3.85 ms
Remote clock offset: -4.938 ms

# Below is generated by plot.py at 2018-02-20 18:49:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 52.387 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 47.821 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 54.680 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 41.894 ms
Loss rate: 0.75%
```

Run 7: Report of TCP Cubic — Data Link

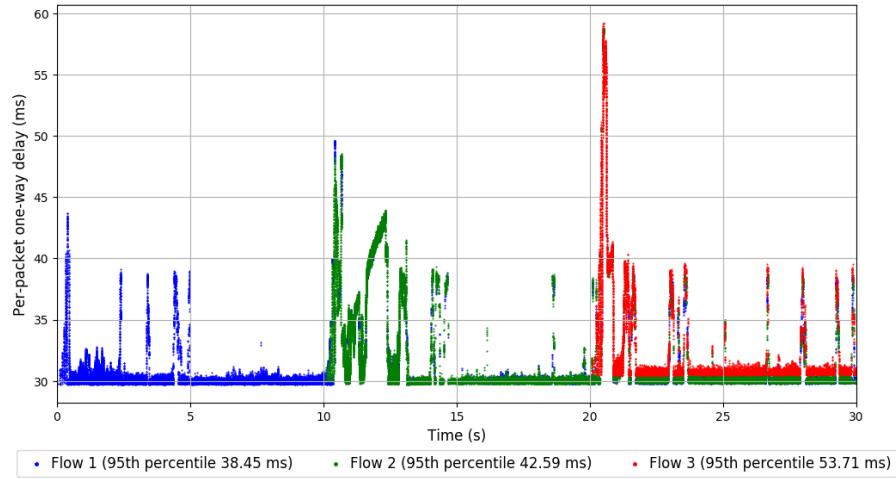
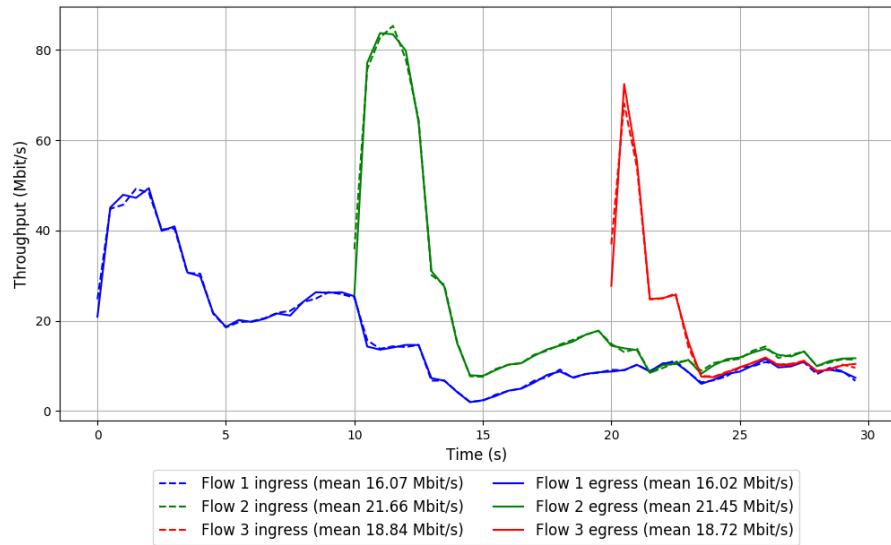


Run 8: Statistics of TCP Cubic

```
Start at: 2018-02-20 16:57:03
End at: 2018-02-20 16:57:33
Local clock offset: -5.497 ms
Remote clock offset: -8.729 ms

# Below is generated by plot.py at 2018-02-20 18:49:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 42.072 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 38.453 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 42.589 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 53.713 ms
Loss rate: 0.66%
```

Run 8: Report of TCP Cubic — Data Link

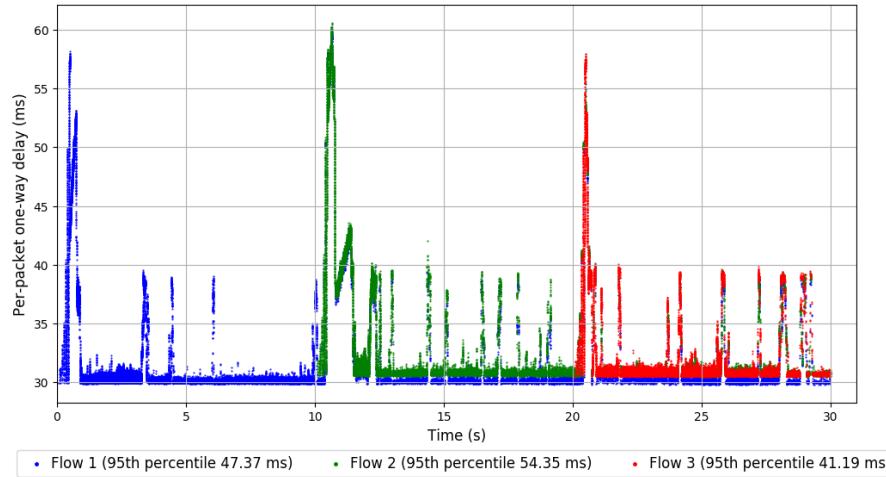
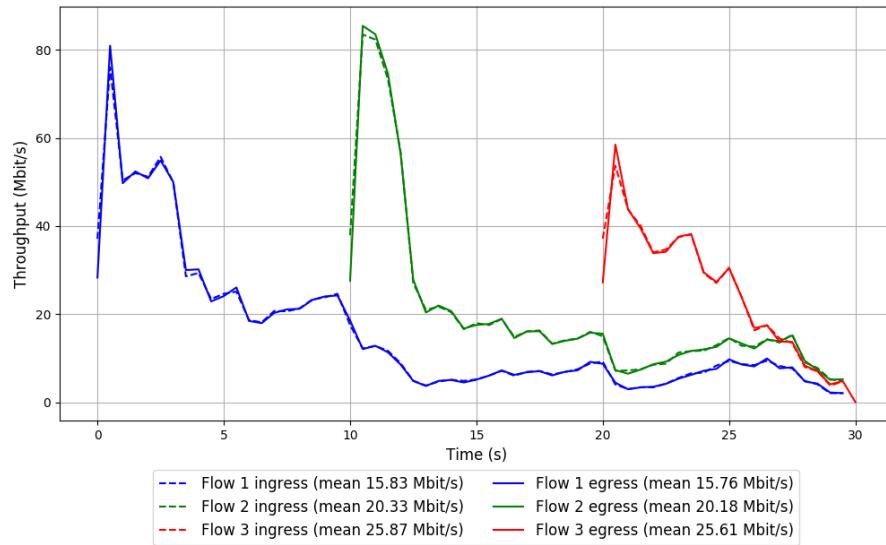


Run 9: Statistics of TCP Cubic

```
Start at: 2018-02-20 17:23:34
End at: 2018-02-20 17:24:04
Local clock offset: -0.512 ms
Remote clock offset: -7.102 ms

# Below is generated by plot.py at 2018-02-20 18:49:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 48.403 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 47.371 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 54.349 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 41.187 ms
Loss rate: 1.02%
```

Run 9: Report of TCP Cubic — Data Link

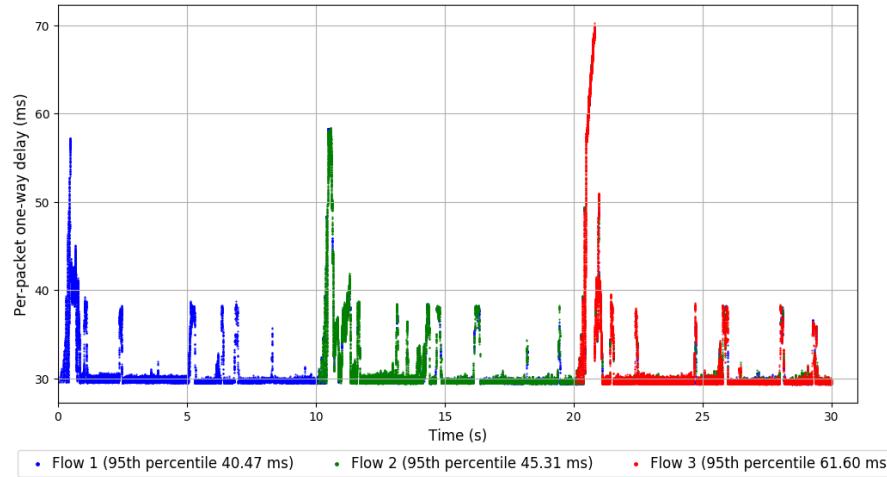
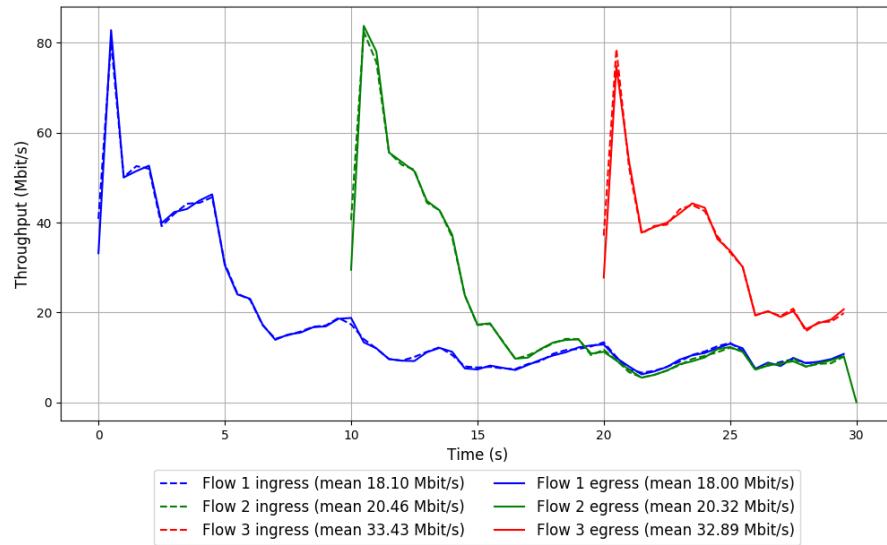


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-02-20 17:50:39
End at: 2018-02-20 17:51:09
Local clock offset: -0.819 ms
Remote clock offset: -1.879 ms

# Below is generated by plot.py at 2018-02-20 18:49:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 44.022 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 18.00 Mbit/s
95th percentile per-packet one-way delay: 40.470 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 45.306 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 61.599 ms
Loss rate: 1.60%
```

Run 10: Report of TCP Cubic — Data Link

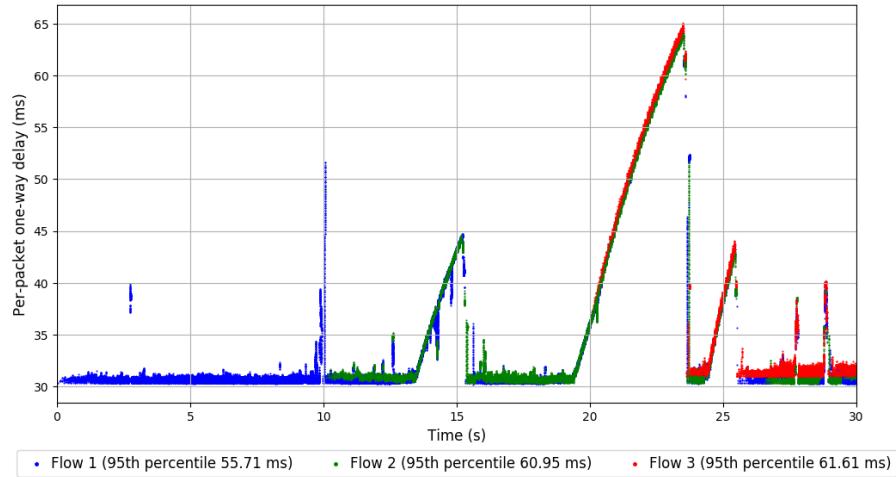
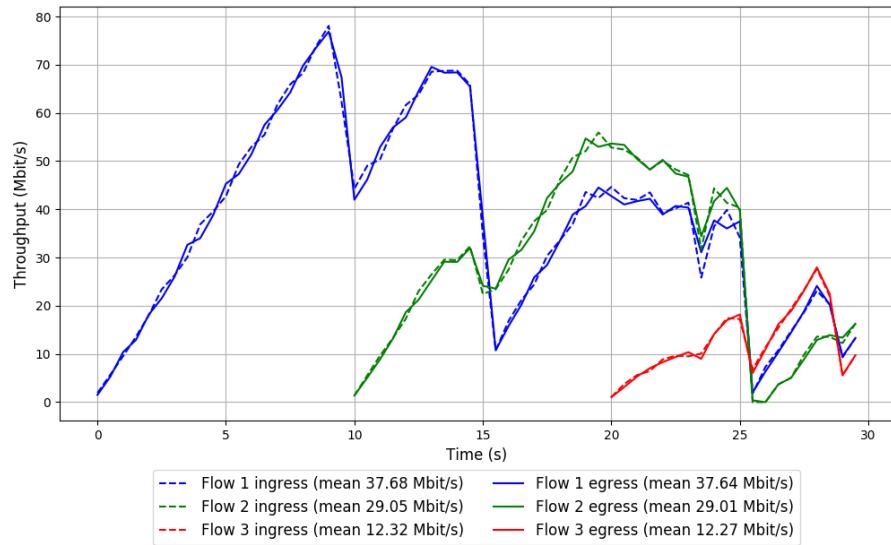


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-20 14:11:24
End at: 2018-02-20 14:11:54
Local clock offset: 1.577 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-02-20 18:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 58.956 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 55.713 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 60.949 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 61.610 ms
Loss rate: 0.48%
```

Run 1: Report of LEDBAT — Data Link

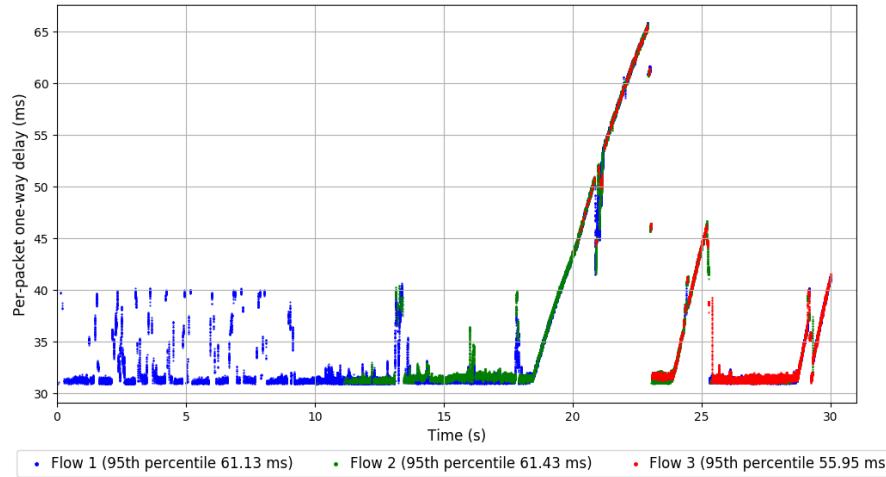
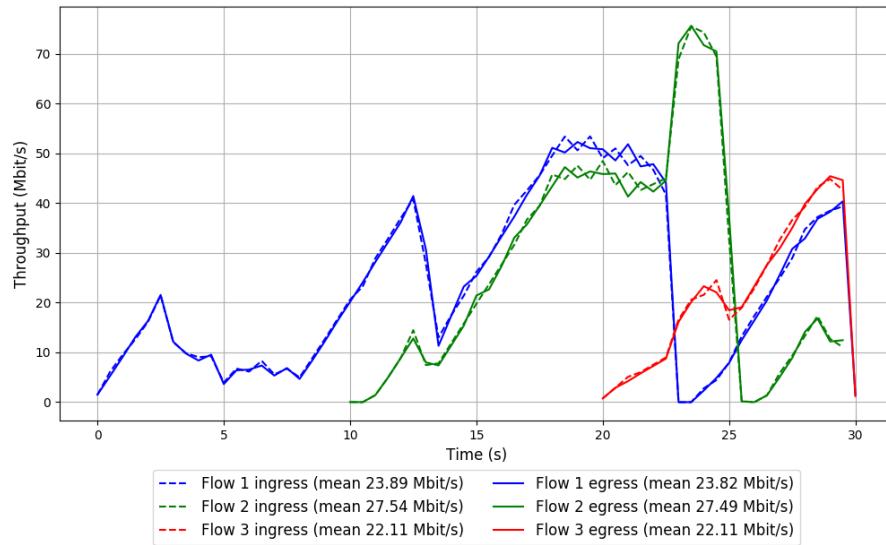


Run 2: Statistics of LEDBAT

```
Start at: 2018-02-20 14:37:31
End at: 2018-02-20 14:38:01
Local clock offset: 1.349 ms
Remote clock offset: -0.835 ms

# Below is generated by plot.py at 2018-02-20 18:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 61.125 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 61.132 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 27.49 Mbit/s
95th percentile per-packet one-way delay: 61.433 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 55.950 ms
Loss rate: 0.02%
```

Run 2: Report of LEDBAT — Data Link

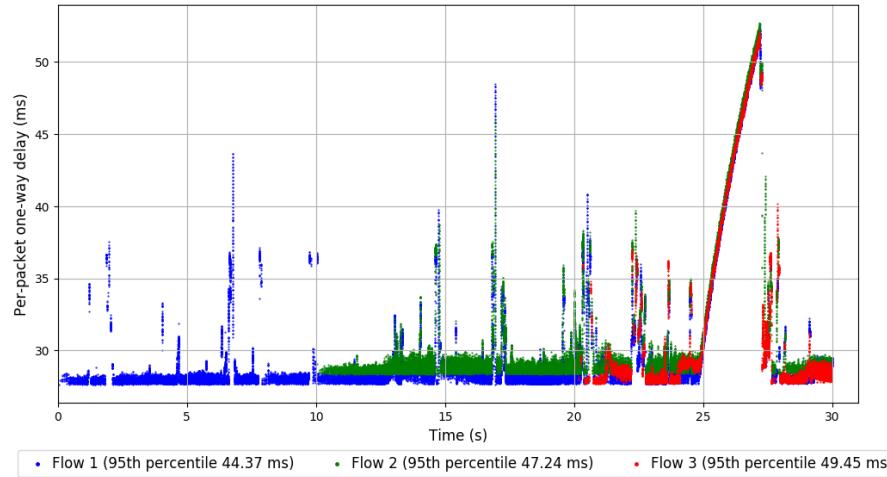
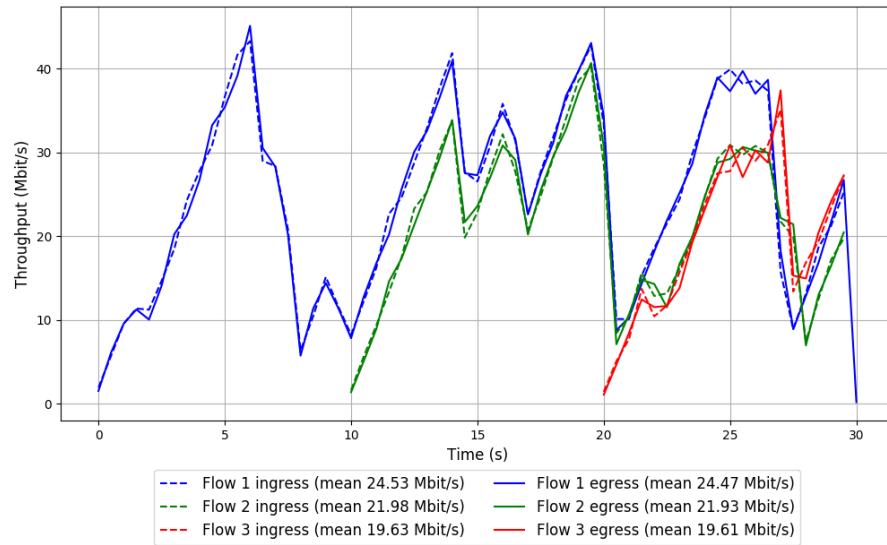


Run 3: Statistics of LEDBAT

```
Start at: 2018-02-20 15:03:56
End at: 2018-02-20 15:04:26
Local clock offset: 1.342 ms
Remote clock offset: -5.312 ms

# Below is generated by plot.py at 2018-02-20 18:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 47.044 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 44.372 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 47.240 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 49.448 ms
Loss rate: 0.13%
```

Run 3: Report of LEDBAT — Data Link

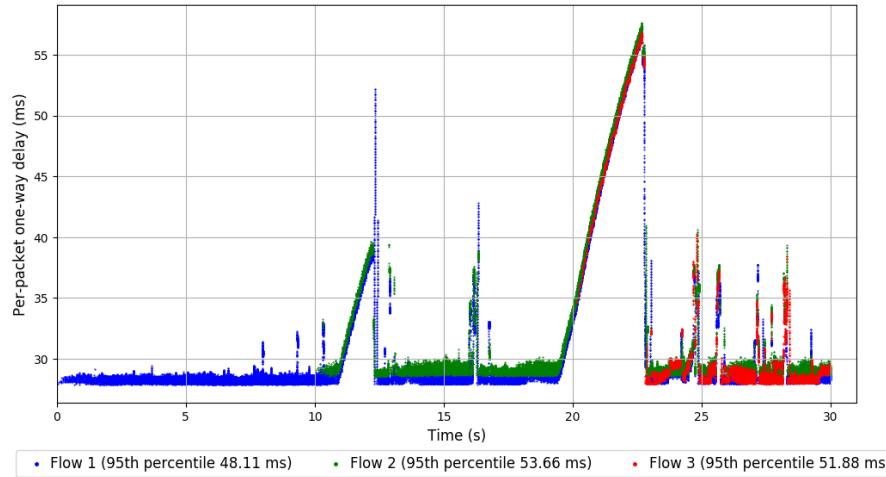
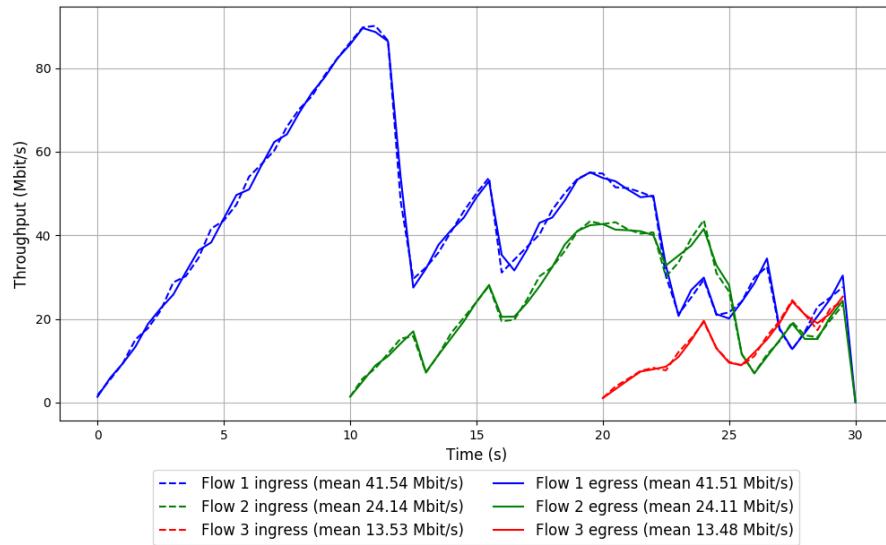


Run 4: Statistics of LEDBAT

```
Start at: 2018-02-20 15:29:48
End at: 2018-02-20 15:30:18
Local clock offset: 1.373 ms
Remote clock offset: -8.421 ms

# Below is generated by plot.py at 2018-02-20 18:50:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.03 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 48.112 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 53.660 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 51.884 ms
Loss rate: 0.45%
```

Run 4: Report of LEDBAT — Data Link

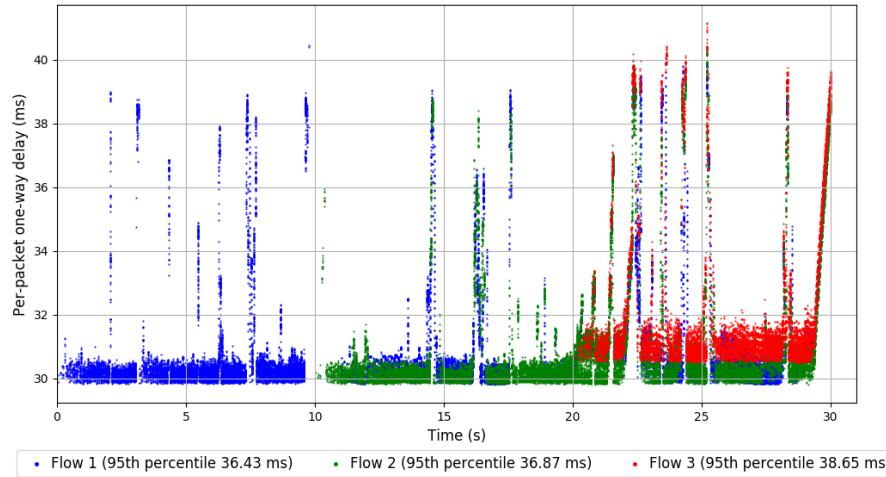
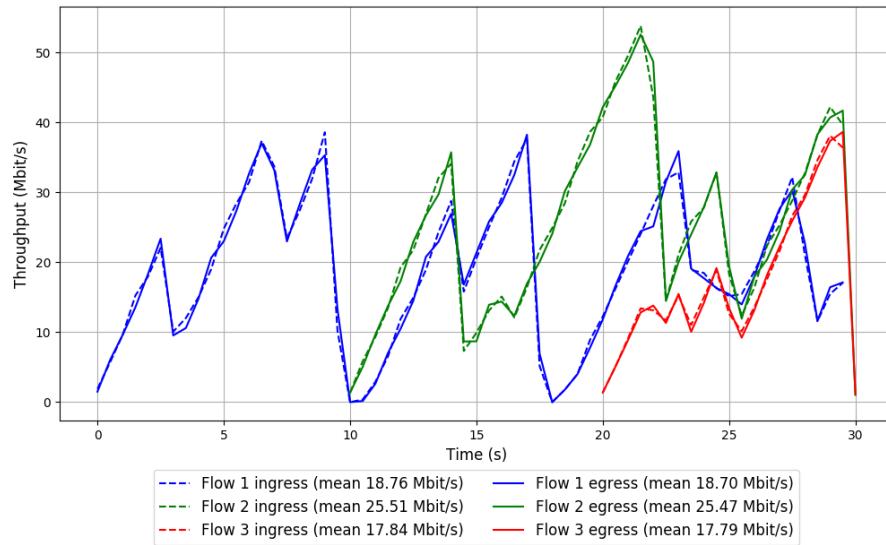


Run 5: Statistics of LEDBAT

```
Start at: 2018-02-20 15:54:51
End at: 2018-02-20 15:55:21
Local clock offset: 2.718 ms
Remote clock offset: -4.316 ms

# Below is generated by plot.py at 2018-02-20 18:50:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.55 Mbit/s
95th percentile per-packet one-way delay: 37.126 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 36.434 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 36.868 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 17.79 Mbit/s
95th percentile per-packet one-way delay: 38.646 ms
Loss rate: 0.17%
```

Run 5: Report of LEDBAT — Data Link

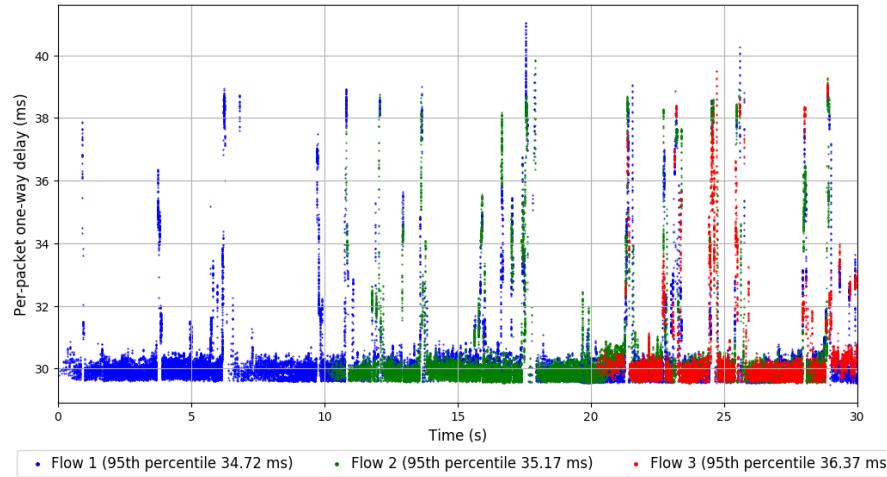
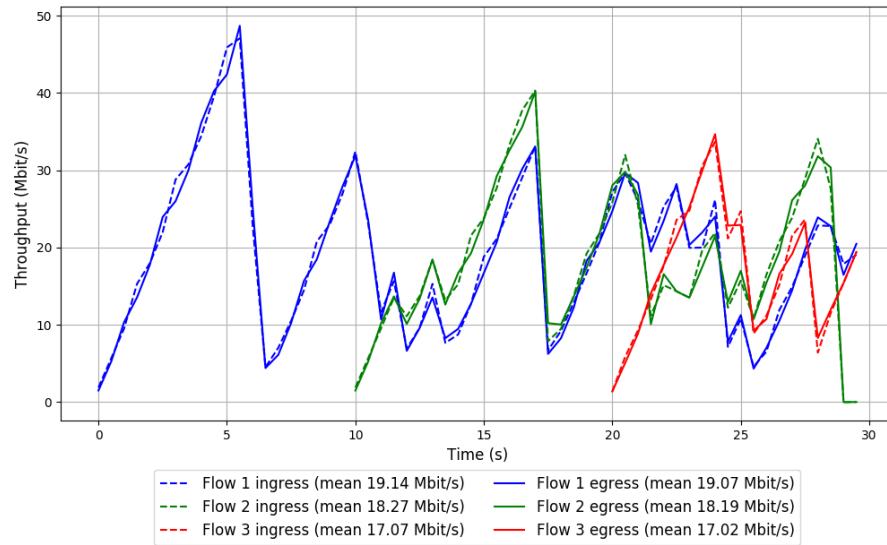


Run 6: Statistics of LEDBAT

```
Start at: 2018-02-20 16:19:47
End at: 2018-02-20 16:20:17
Local clock offset: -2.845 ms
Remote clock offset: -3.203 ms

# Below is generated by plot.py at 2018-02-20 18:50:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 35.022 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 19.07 Mbit/s
95th percentile per-packet one-way delay: 34.715 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 35.174 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 36.374 ms
Loss rate: 0.29%
```

Run 6: Report of LEDBAT — Data Link

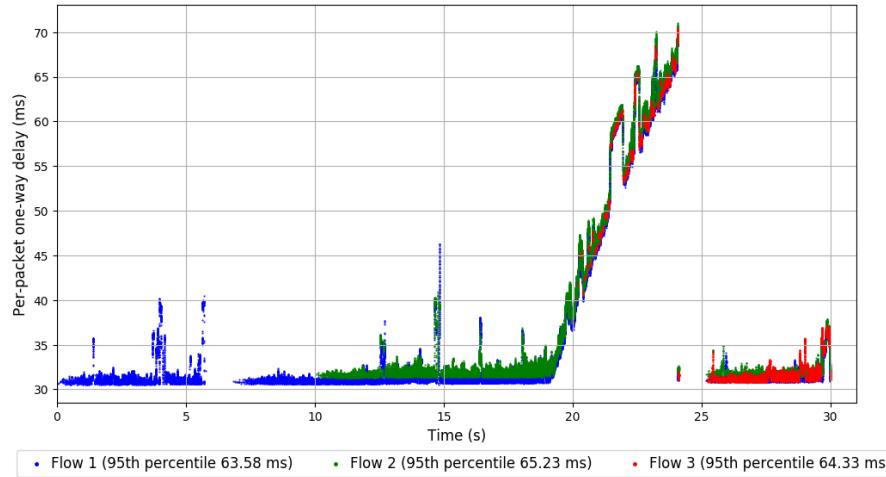
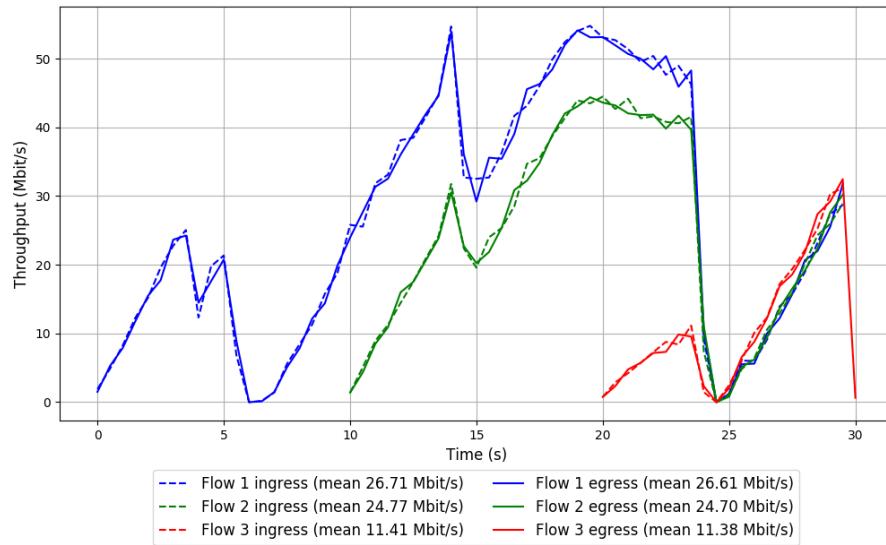


Run 7: Statistics of LEDBAT

```
Start at: 2018-02-20 16:46:15
End at: 2018-02-20 16:46:45
Local clock offset: -5.0 ms
Remote clock offset: -3.784 ms

# Below is generated by plot.py at 2018-02-20 18:50:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 64.402 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 26.61 Mbit/s
95th percentile per-packet one-way delay: 63.583 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 65.228 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 64.329 ms
Loss rate: 0.37%
```

Run 7: Report of LEDBAT — Data Link

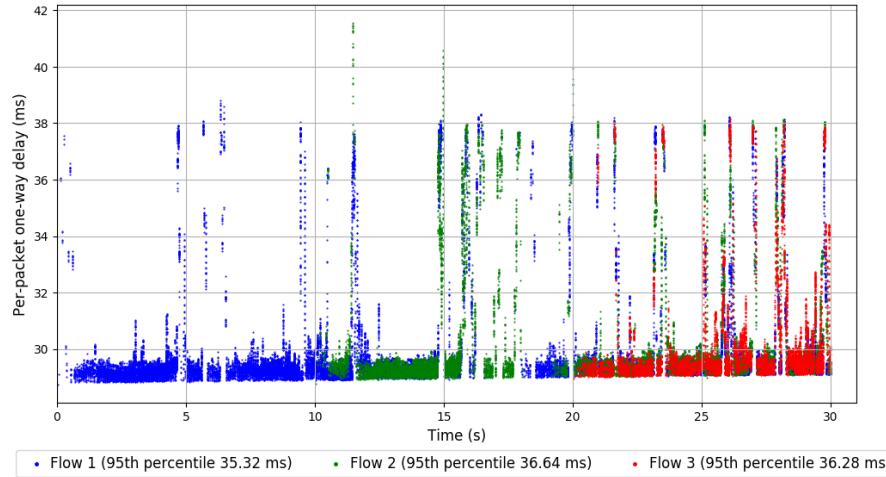
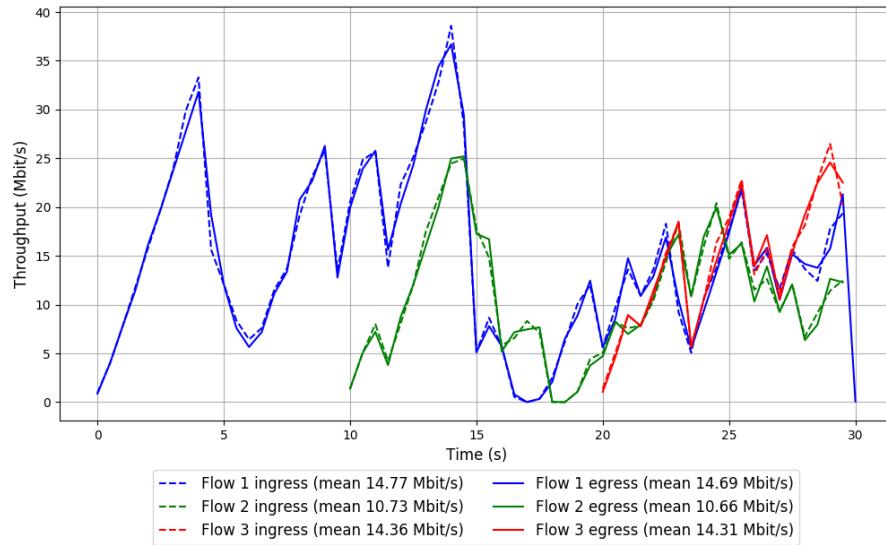


Run 8: Statistics of LEDBAT

```
Start at: 2018-02-20 17:15:00
End at: 2018-02-20 17:15:30
Local clock offset: -3.679 ms
Remote clock offset: -13.091 ms

# Below is generated by plot.py at 2018-02-20 18:50:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 36.096 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 35.323 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 10.66 Mbit/s
95th percentile per-packet one-way delay: 36.638 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 36.281 ms
Loss rate: 0.38%
```

Run 8: Report of LEDBAT — Data Link

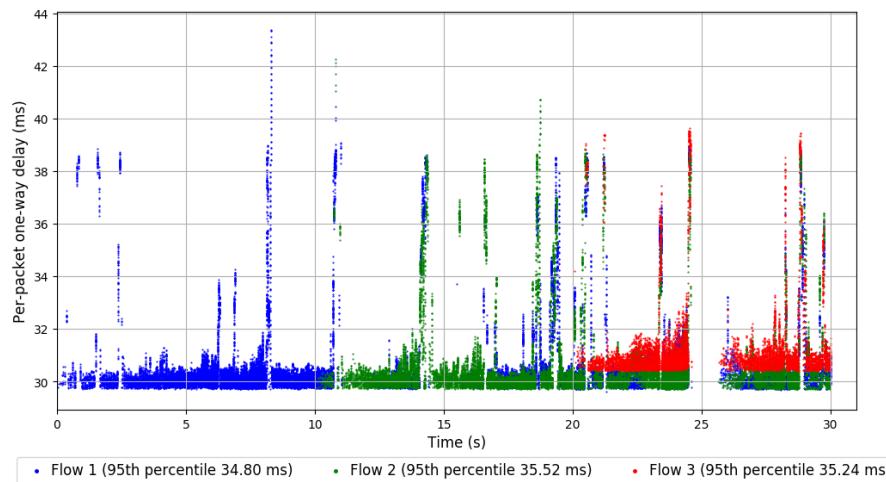
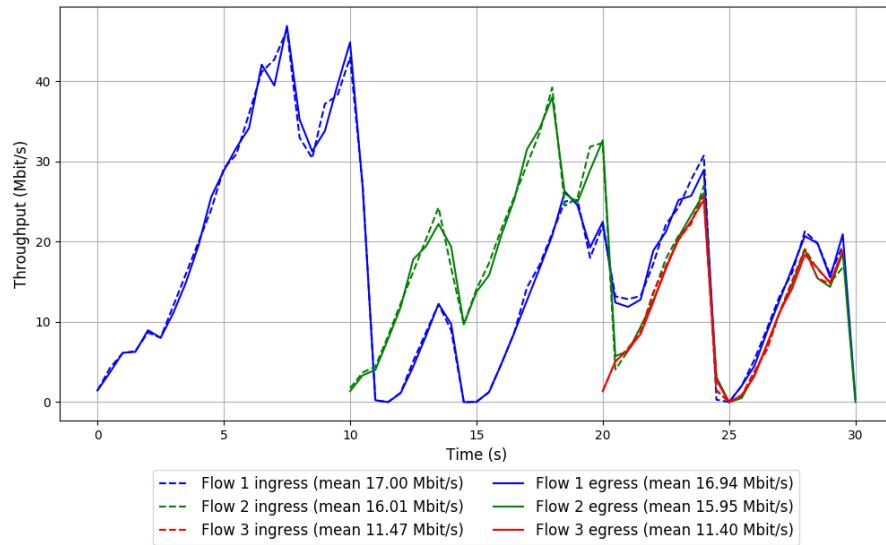


Run 9: Statistics of LEDBAT

```
Start at: 2018-02-20 17:41:37
End at: 2018-02-20 17:42:07
Local clock offset: 1.668 ms
Remote clock offset: -2.798 ms

# Below is generated by plot.py at 2018-02-20 18:50:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 35.168 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 34.799 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 35.524 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 35.243 ms
Loss rate: 0.59%
```

Run 9: Report of LEDBAT — Data Link

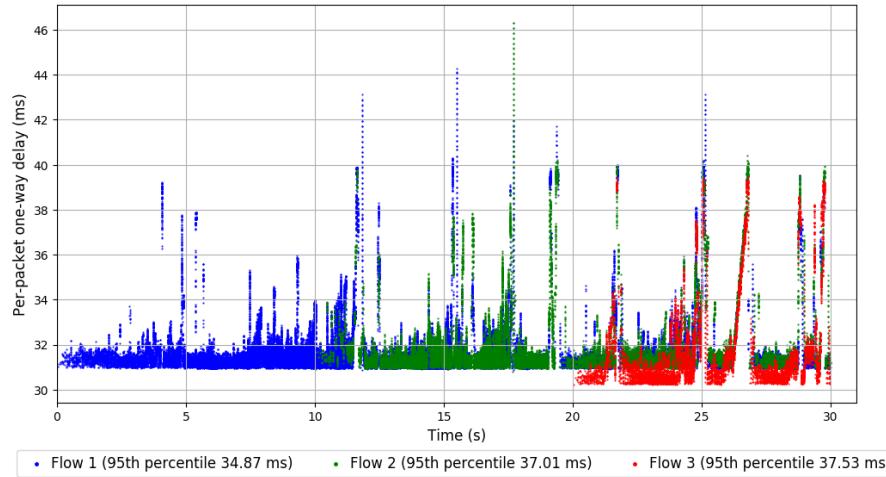
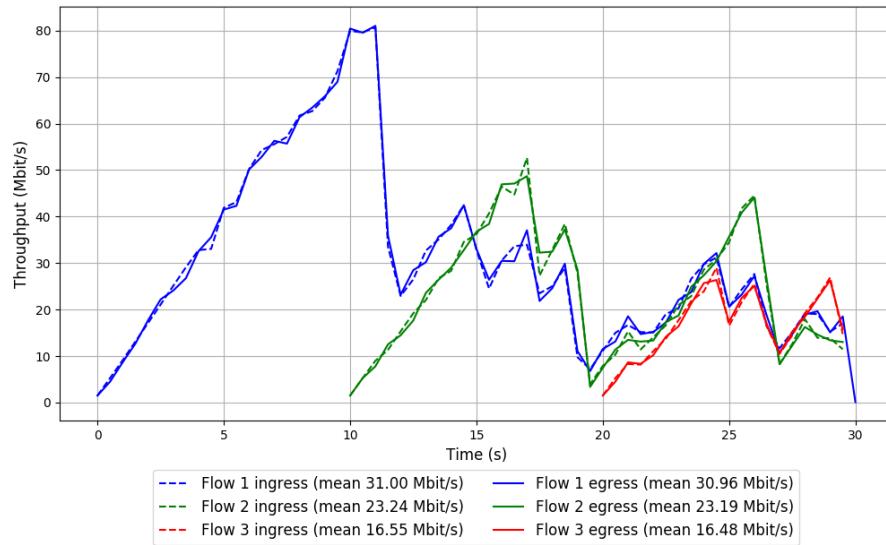


Run 10: Statistics of LEDBAT

```
Start at: 2018-02-20 18:09:03
End at: 2018-02-20 18:09:33
Local clock offset: -4.689 ms
Remote clock offset: -2.614 ms

# Below is generated by plot.py at 2018-02-20 18:51:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 36.342 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 34.865 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 37.010 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 37.533 ms
Loss rate: 0.41%
```

Run 10: Report of LEDBAT — Data Link

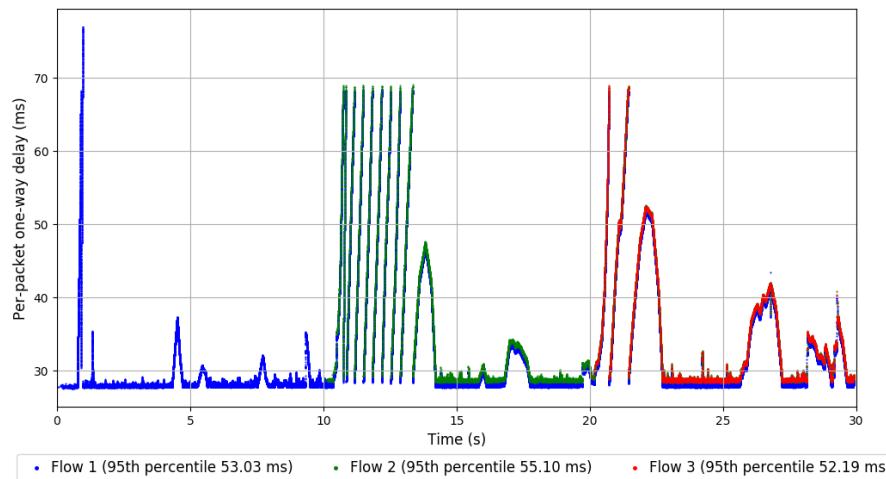
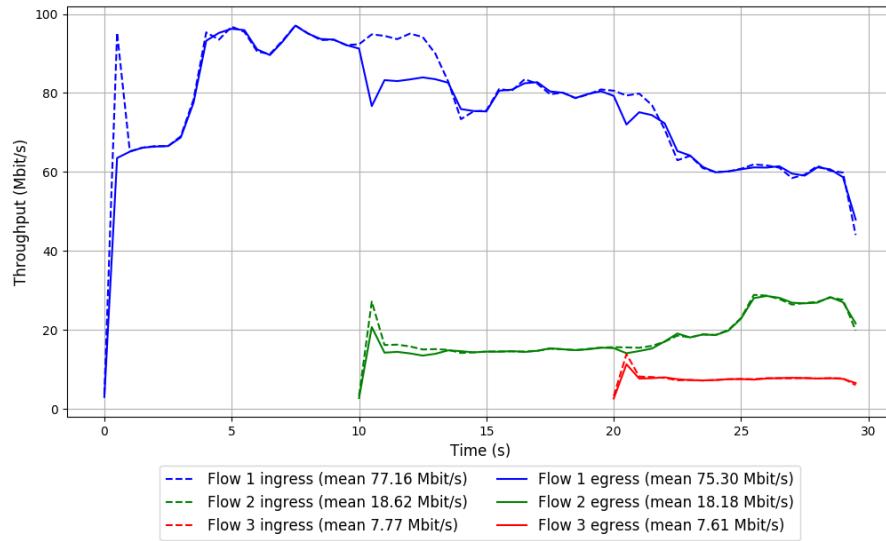


Run 1: Statistics of PCC

```
Start at: 2018-02-20 14:12:51
End at: 2018-02-20 14:13:21
Local clock offset: 1.655 ms
Remote clock offset: -2.502 ms

# Below is generated by plot.py at 2018-02-20 18:51:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 53.283 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 53.032 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 55.097 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 52.188 ms
Loss rate: 2.14%
```

Run 1: Report of PCC — Data Link

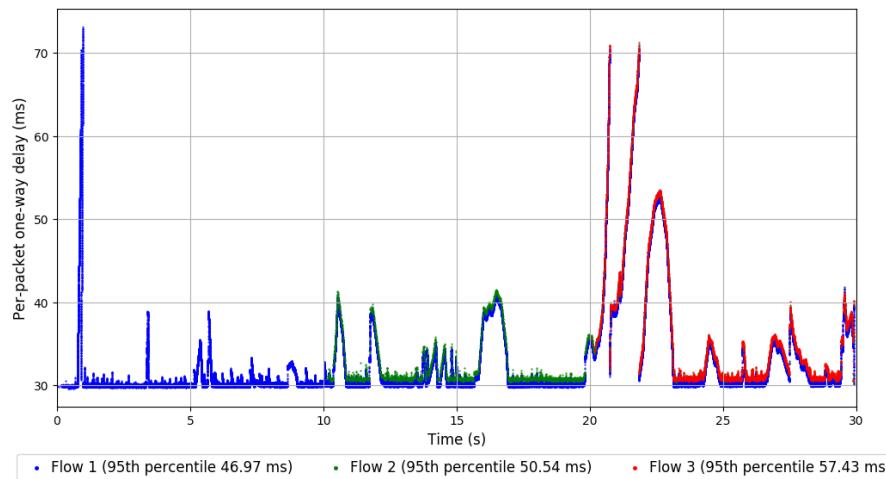
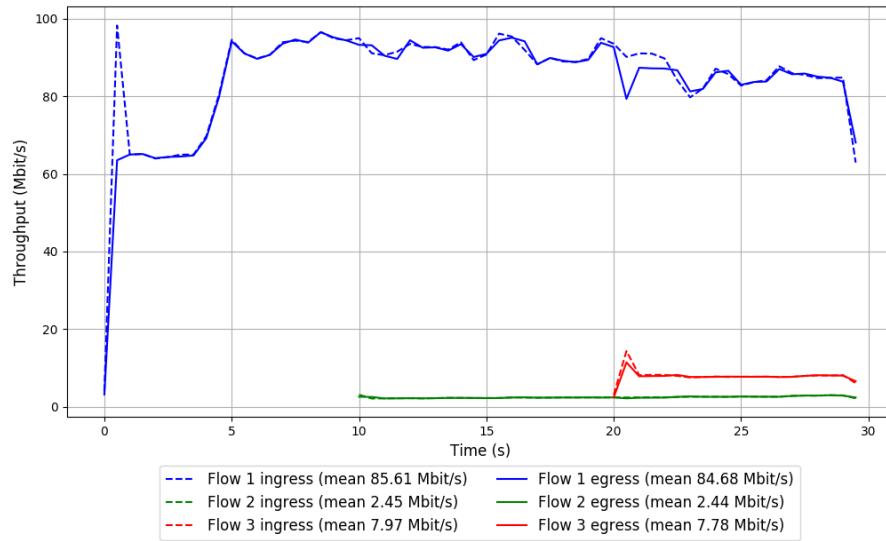


Run 2: Statistics of PCC

```
Start at: 2018-02-20 14:39:00
End at: 2018-02-20 14:39:30
Local clock offset: 1.436 ms
Remote clock offset: -1.314 ms

# Below is generated by plot.py at 2018-02-20 18:51:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 48.008 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 46.965 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 50.543 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 57.427 ms
Loss rate: 2.38%
```

Run 2: Report of PCC — Data Link

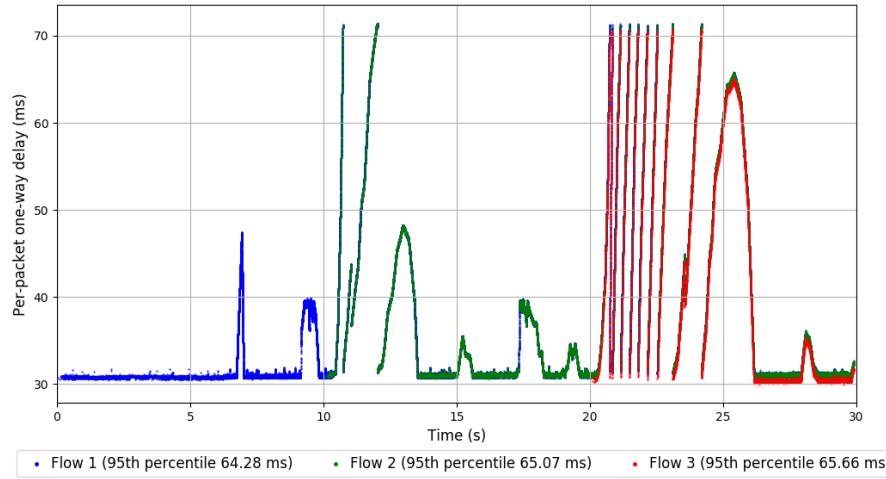
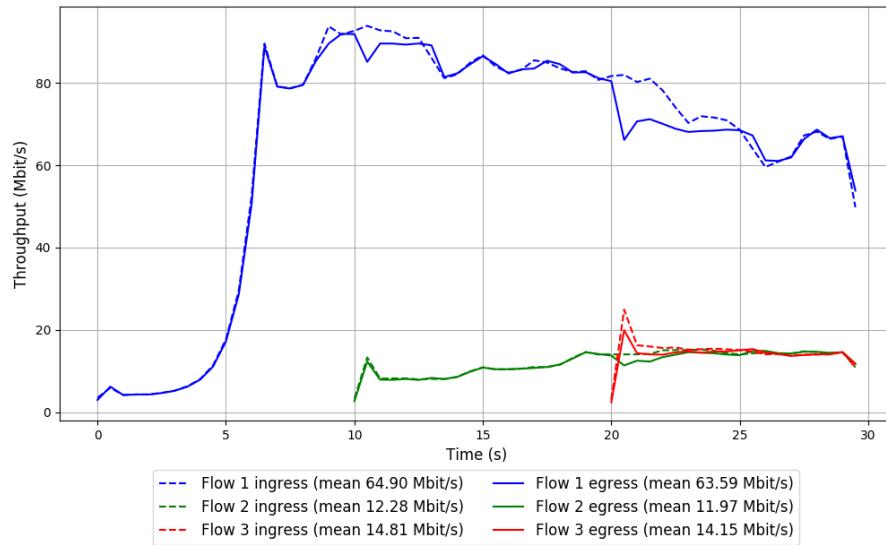


Run 3: Statistics of PCC

```
Start at: 2018-02-20 15:05:18
End at: 2018-02-20 15:05:48
Local clock offset: 1.231 ms
Remote clock offset: -3.321 ms

# Below is generated by plot.py at 2018-02-20 18:51:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 64.464 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 63.59 Mbit/s
95th percentile per-packet one-way delay: 64.278 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 65.069 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 65.664 ms
Loss rate: 4.42%
```

Run 3: Report of PCC — Data Link

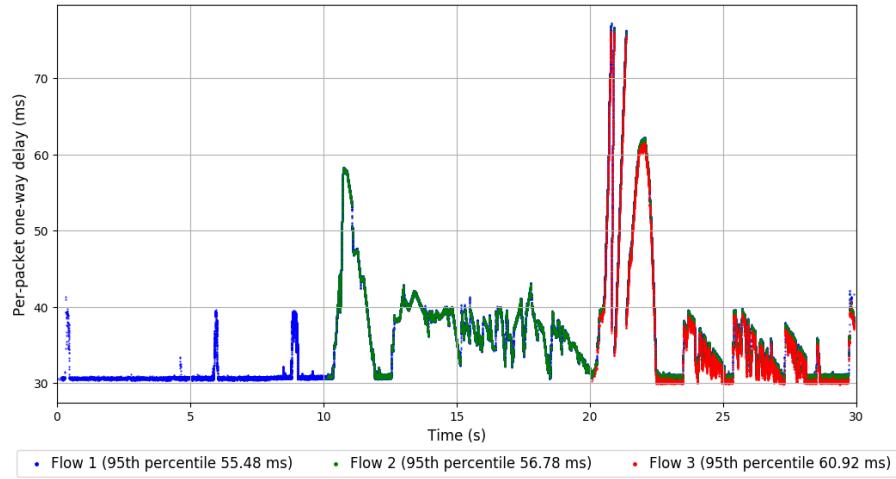
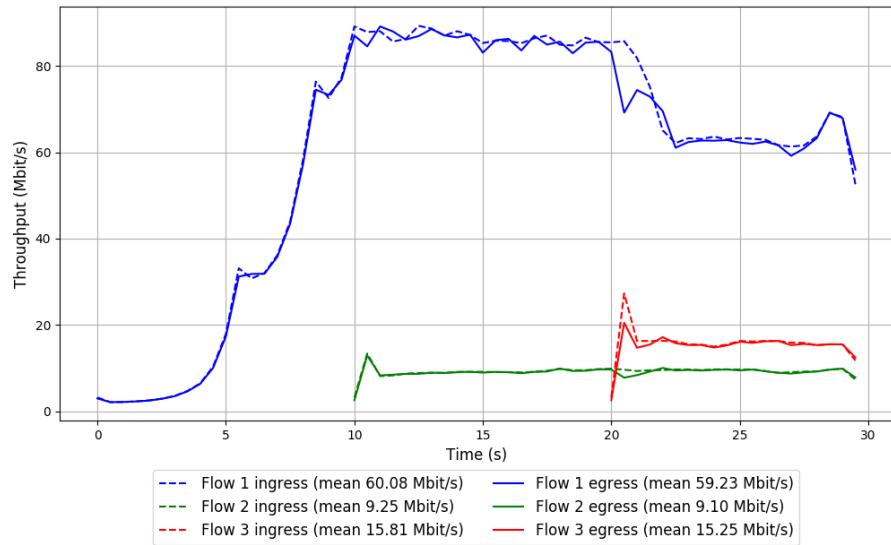


Run 4: Statistics of PCC

```
Start at: 2018-02-20 15:31:11
End at: 2018-02-20 15:31:41
Local clock offset: 1.509 ms
Remote clock offset: -6.549 ms

# Below is generated by plot.py at 2018-02-20 18:51:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 56.430 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 55.480 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 56.777 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 60.921 ms
Loss rate: 3.46%
```

Run 4: Report of PCC — Data Link

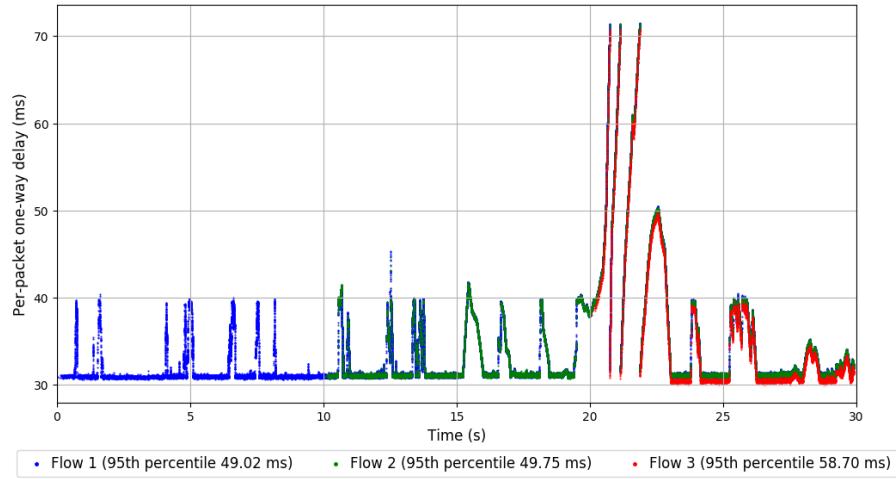
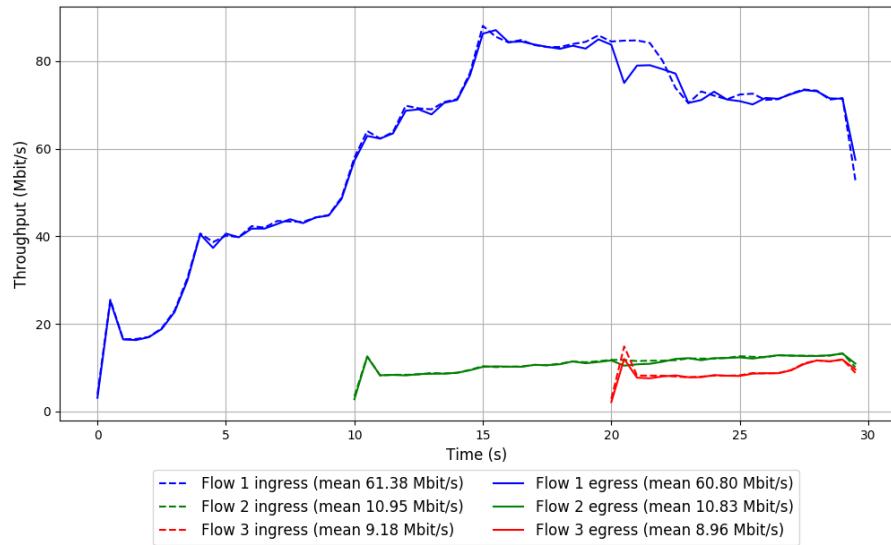


Run 5: Statistics of PCC

```
Start at: 2018-02-20 15:56:12
End at: 2018-02-20 15:56:42
Local clock offset: 2.749 ms
Remote clock offset: -3.94 ms

# Below is generated by plot.py at 2018-02-20 18:51:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 49.311 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 60.80 Mbit/s
95th percentile per-packet one-way delay: 49.024 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 49.753 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 58.704 ms
Loss rate: 2.40%
```

Run 5: Report of PCC — Data Link

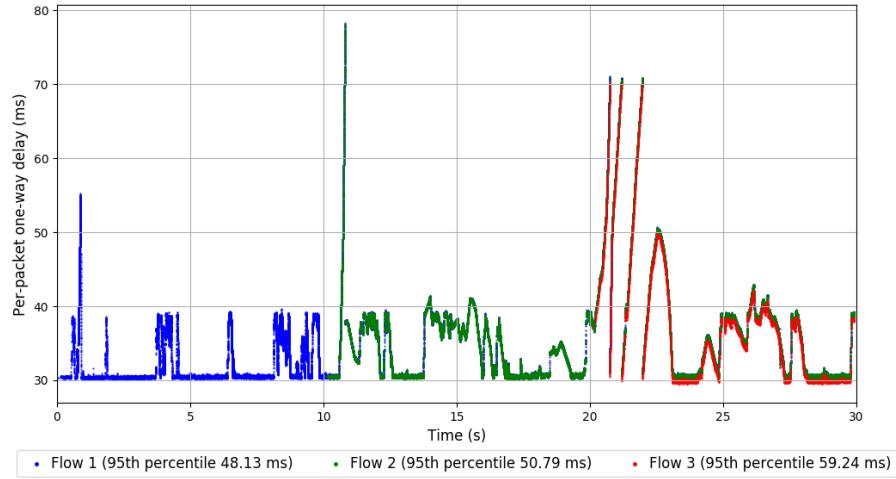
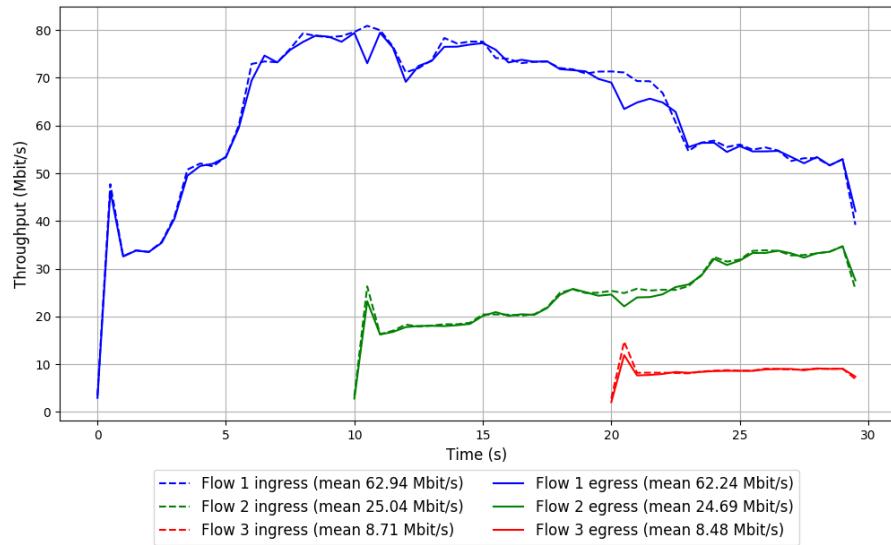


Run 6: Statistics of PCC

```
Start at: 2018-02-20 16:21:07
End at: 2018-02-20 16:21:37
Local clock offset: -3.011 ms
Remote clock offset: -3.198 ms

# Below is generated by plot.py at 2018-02-20 18:51:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 49.361 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 48.135 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 50.786 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 59.236 ms
Loss rate: 2.64%
```

Run 6: Report of PCC — Data Link

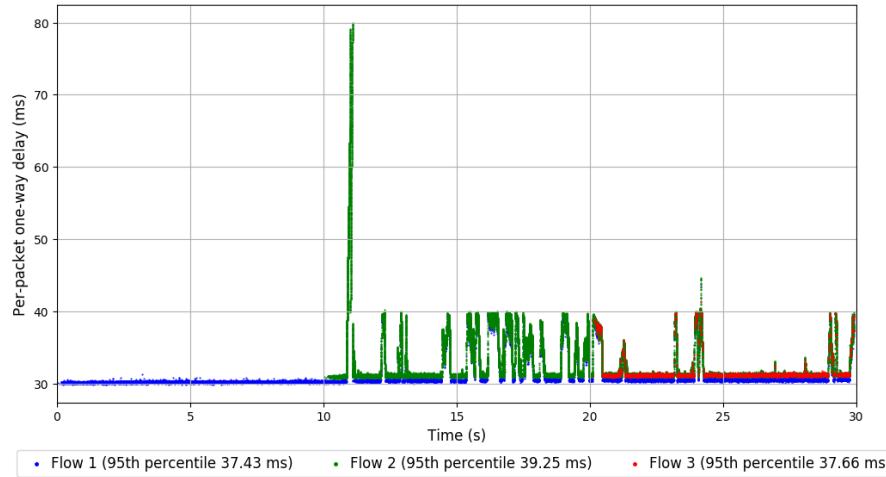
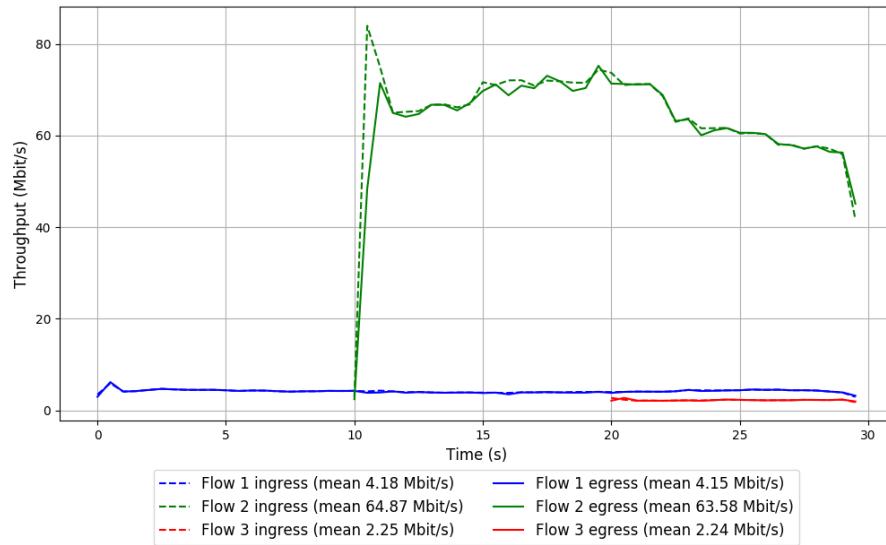


Run 7: Statistics of PCC

```
Start at: 2018-02-20 16:48:03
End at: 2018-02-20 16:48:33
Local clock offset: -5.012 ms
Remote clock offset: -5.228 ms

# Below is generated by plot.py at 2018-02-20 18:51:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 39.148 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 37.428 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 39.249 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 37.657 ms
Loss rate: 0.31%
```

Run 7: Report of PCC — Data Link

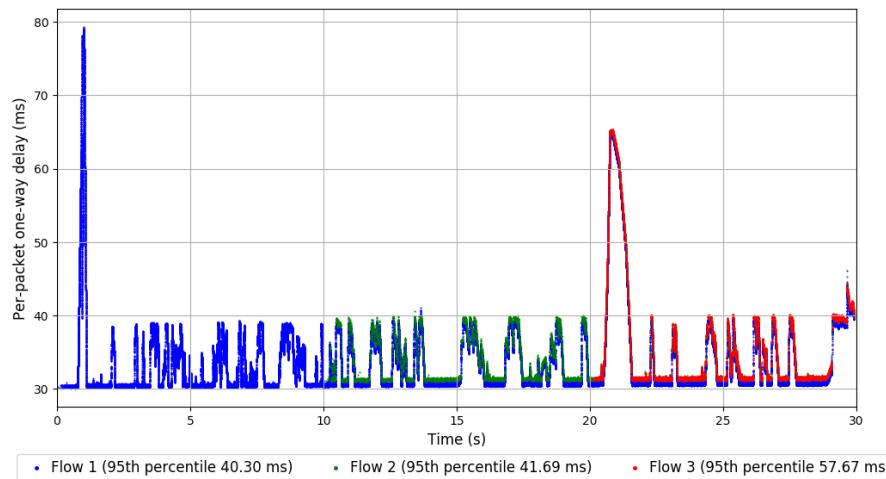
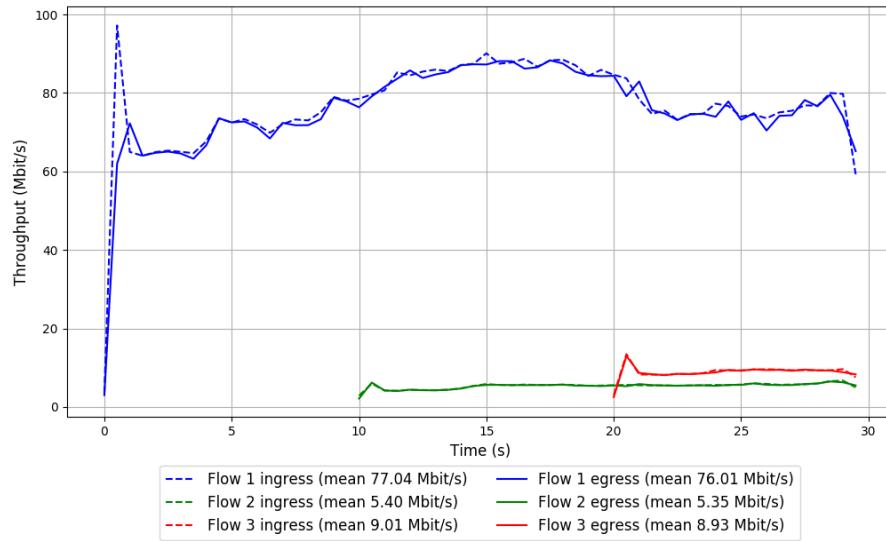


Run 8: Statistics of PCC

```
Start at: 2018-02-20 17:16:20
End at: 2018-02-20 17:16:50
Local clock offset: -3.011 ms
Remote clock offset: -11.157 ms

# Below is generated by plot.py at 2018-02-20 18:52:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 40.811 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 40.296 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 41.690 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 57.670 ms
Loss rate: 0.86%
```

Run 8: Report of PCC — Data Link

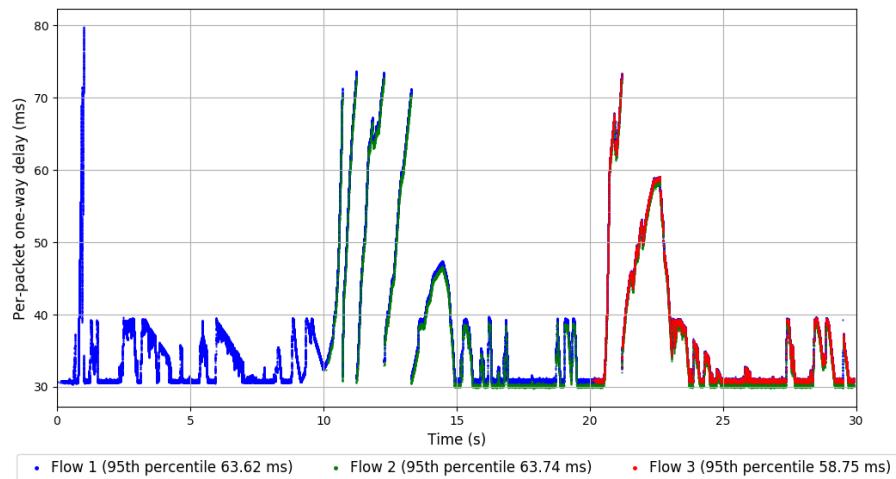
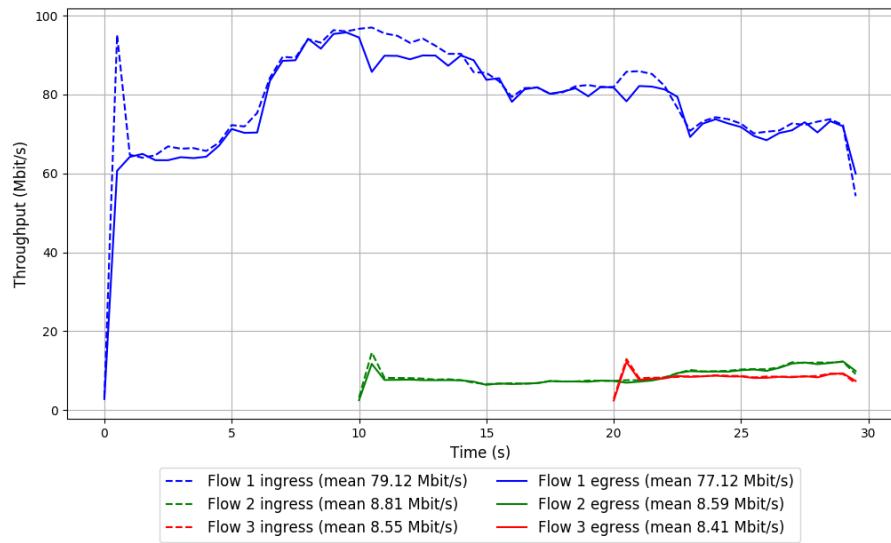


Run 9: Statistics of PCC

```
Start at: 2018-02-20 17:43:04
End at: 2018-02-20 17:43:34
Local clock offset: 1.752 ms
Remote clock offset: -2.513 ms

# Below is generated by plot.py at 2018-02-20 18:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 63.546 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 63.619 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 63.744 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 58.750 ms
Loss rate: 1.59%
```

Run 9: Report of PCC — Data Link

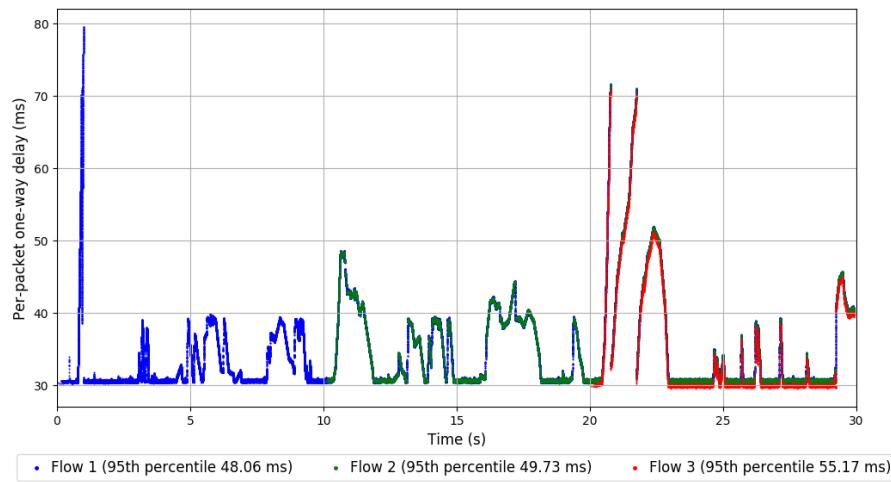
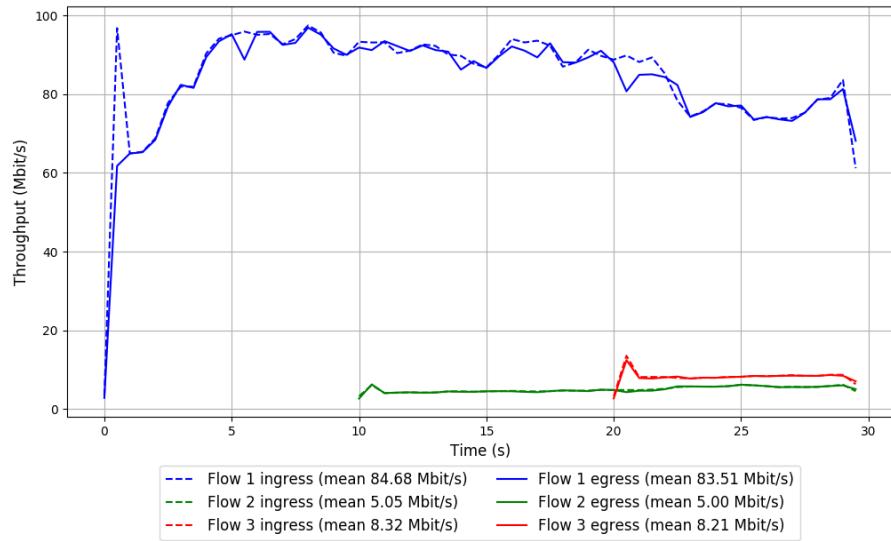


Run 10: Statistics of PCC

```
Start at: 2018-02-20 18:10:34
End at: 2018-02-20 18:11:04
Local clock offset: -4.756 ms
Remote clock offset: -3.113 ms

# Below is generated by plot.py at 2018-02-20 18:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 48.272 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 48.058 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 49.728 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 55.174 ms
Loss rate: 1.17%
```

Run 10: Report of PCC — Data Link

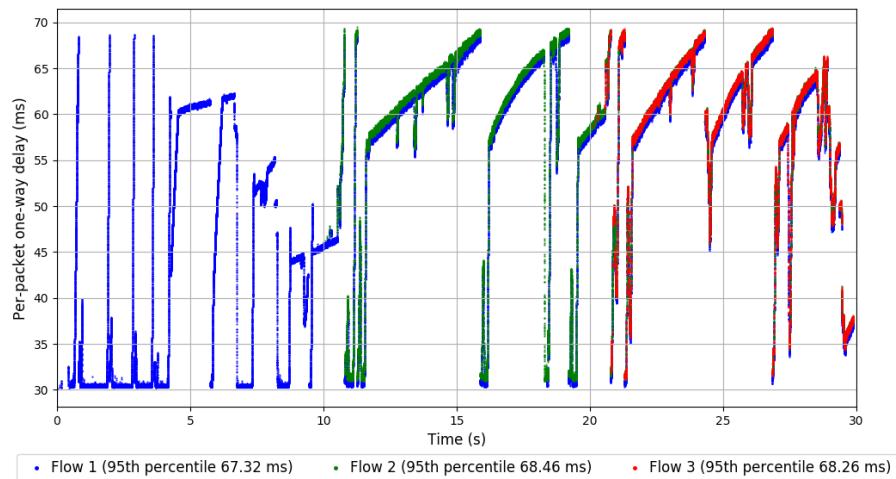
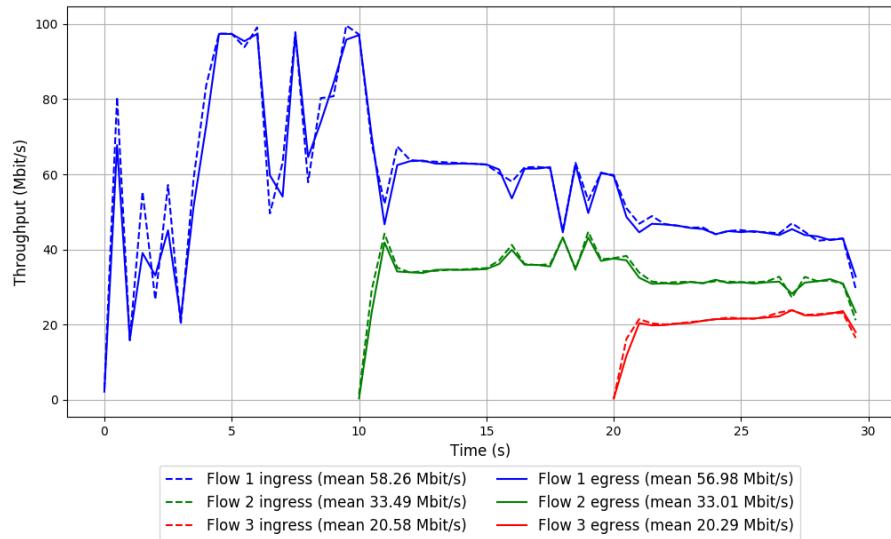


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 14:17:22
End at: 2018-02-20 14:17:52
Local clock offset: 1.741 ms
Remote clock offset: 0.309 ms

# Below is generated by plot.py at 2018-02-20 18:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 67.810 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 67.323 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 68.461 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 68.258 ms
Loss rate: 1.64%
```

Run 1: Report of QUIC Cubic — Data Link

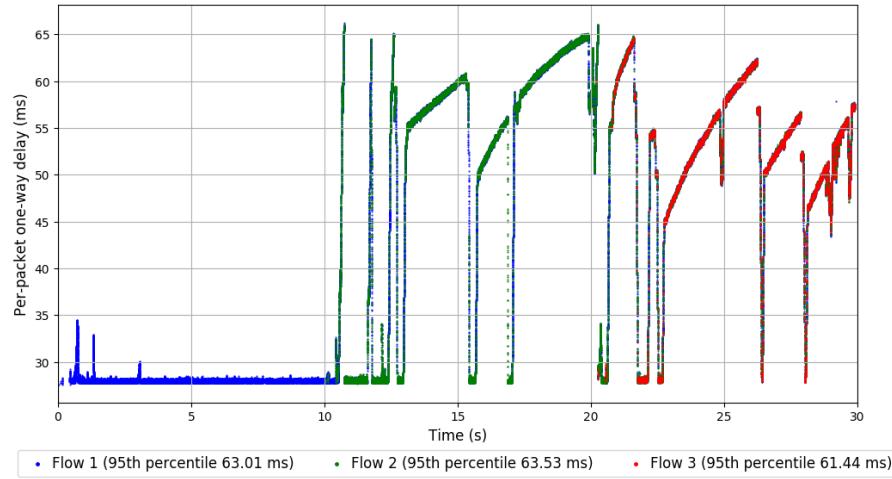
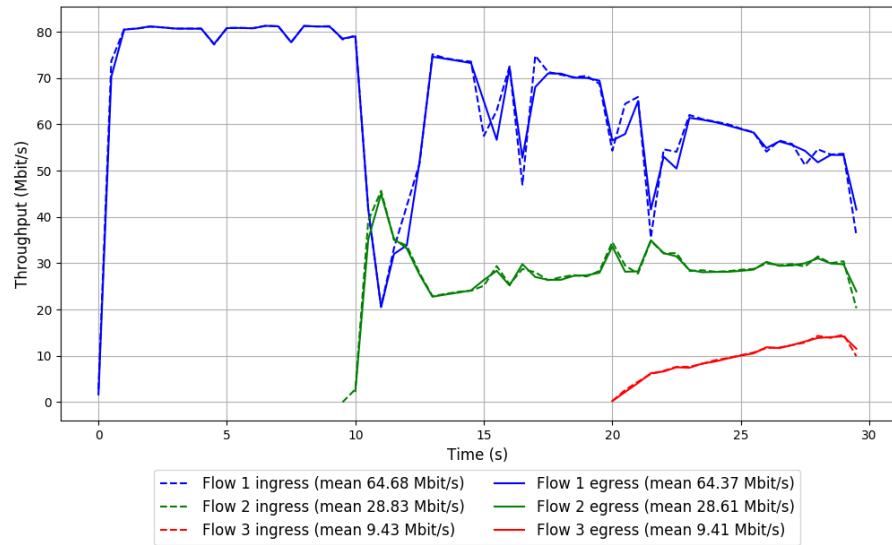


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-20 14:43:32
End at: 2018-02-20 14:44:02
Local clock offset: 1.424 ms
Remote clock offset: -3.738 ms

# Below is generated by plot.py at 2018-02-20 18:53:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 63.096 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 63.008 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 63.529 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 61.439 ms
Loss rate: 0.20%
```

Run 2: Report of QUIC Cubic — Data Link

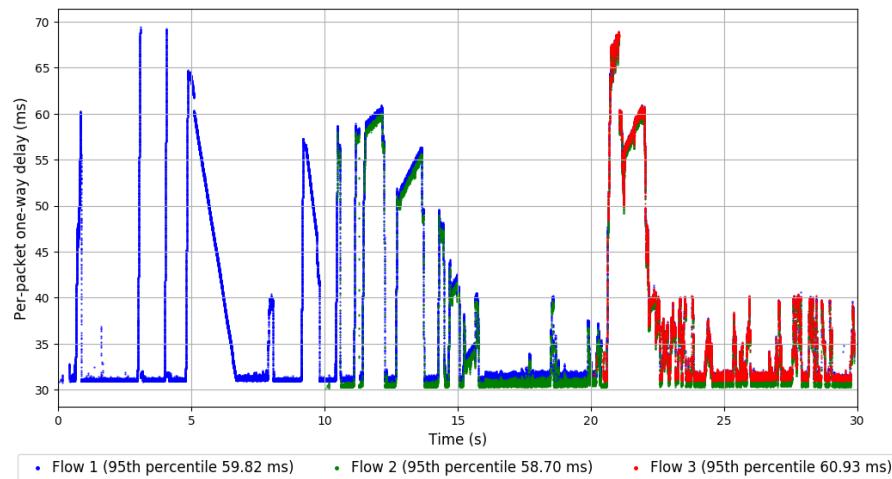
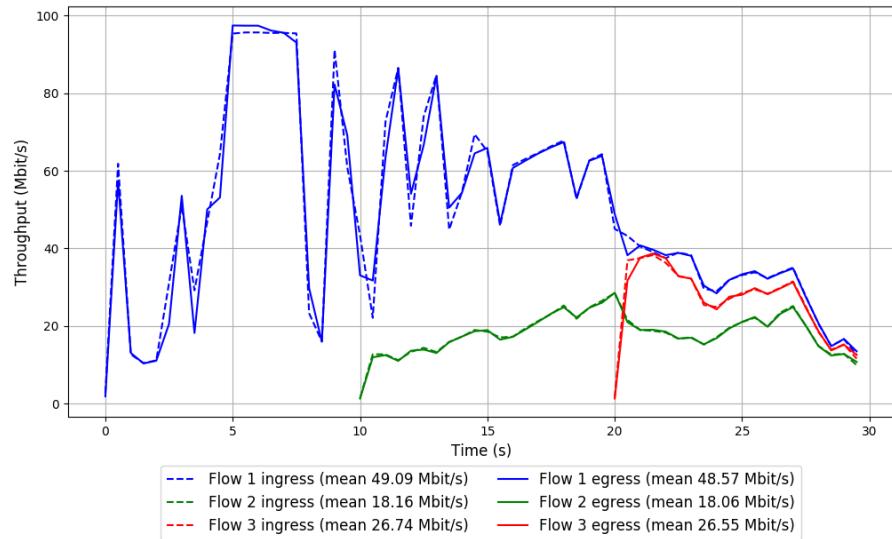


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-02-20 15:09:37
End at: 2018-02-20 15:10:07
Local clock offset: 1.169 ms
Remote clock offset: -3.618 ms

# Below is generated by plot.py at 2018-02-20 18:53:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.30 Mbit/s
95th percentile per-packet one-way delay: 59.789 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 48.57 Mbit/s
95th percentile per-packet one-way delay: 59.819 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 58.701 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 60.927 ms
Loss rate: 0.65%
```

Run 3: Report of QUIC Cubic — Data Link

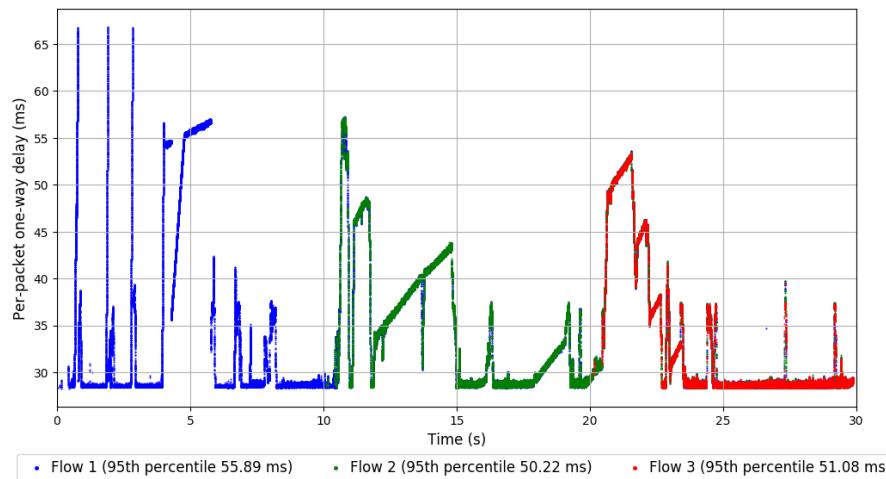
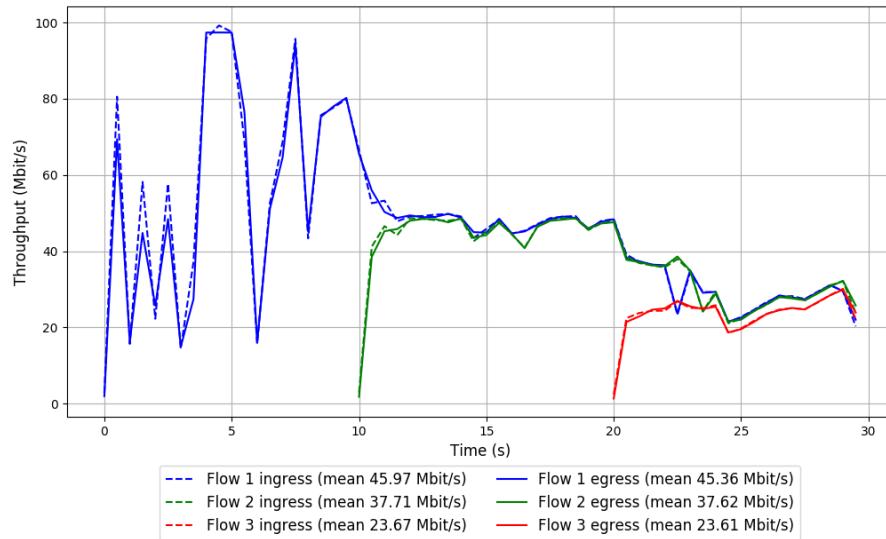


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-20 15:35:22
End at: 2018-02-20 15:35:52
Local clock offset: 1.813 ms
Remote clock offset: -8.955 ms

# Below is generated by plot.py at 2018-02-20 18:53:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 55.203 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 45.36 Mbit/s
95th percentile per-packet one-way delay: 55.892 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 50.221 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 51.075 ms
Loss rate: 0.24%
```

Run 4: Report of QUIC Cubic — Data Link

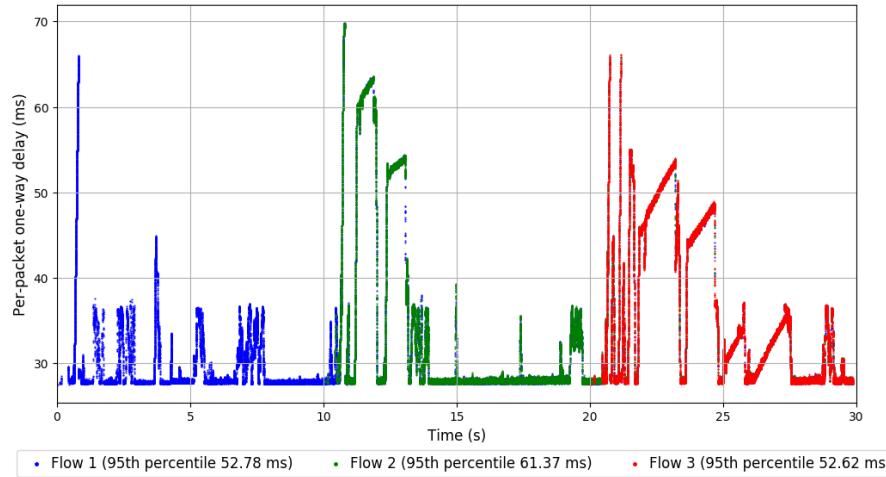
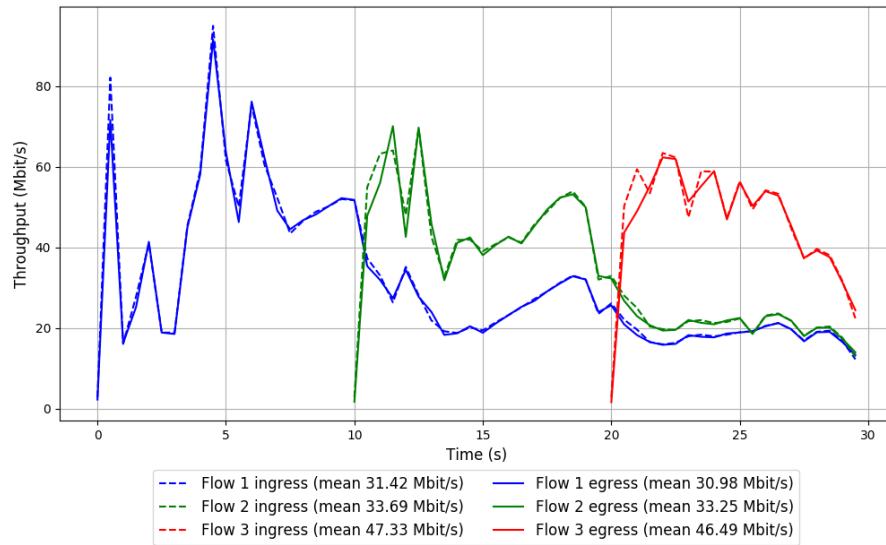


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-20 16:00:24
End at: 2018-02-20 16:00:54
Local clock offset: 2.765 ms
Remote clock offset: -6.303 ms

# Below is generated by plot.py at 2018-02-20 18:53:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 53.925 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 52.784 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 61.366 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 52.621 ms
Loss rate: 1.77%
```

Run 5: Report of QUIC Cubic — Data Link

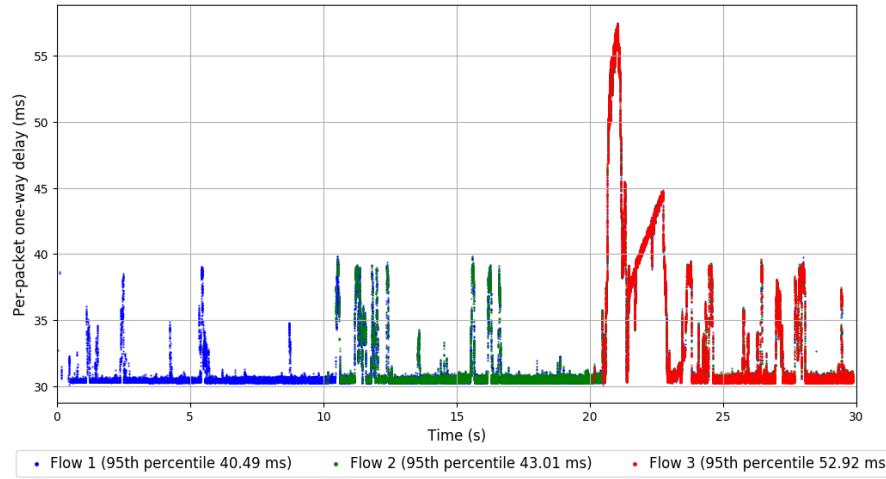
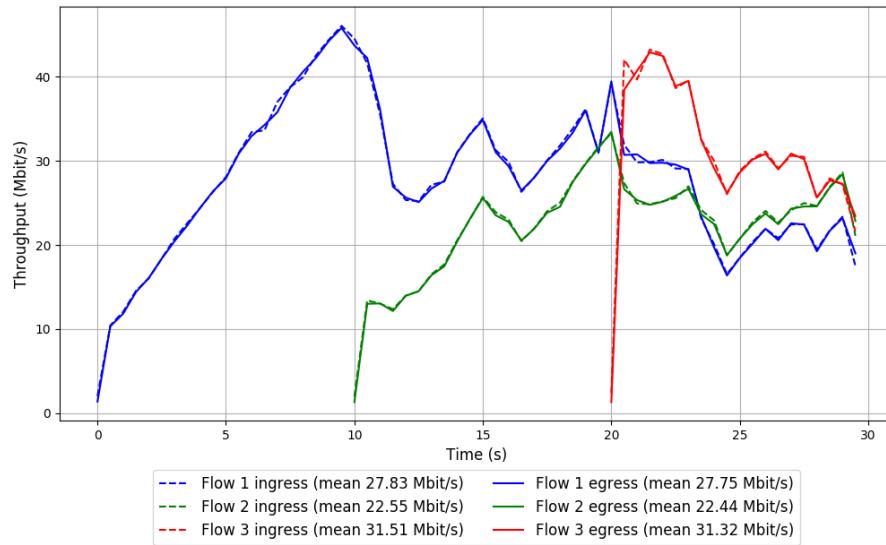


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-20 16:25:16
End at: 2018-02-20 16:25:46
Local clock offset: -3.515 ms
Remote clock offset: -3.03 ms

# Below is generated by plot.py at 2018-02-20 18:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.98 Mbit/s
95th percentile per-packet one-way delay: 43.349 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 40.492 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 43.005 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 52.925 ms
Loss rate: 0.60%
```

Run 6: Report of QUIC Cubic — Data Link

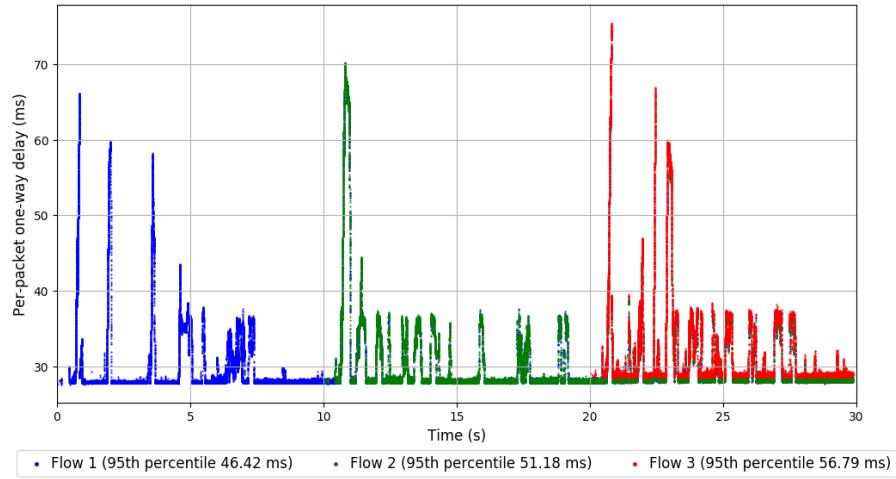
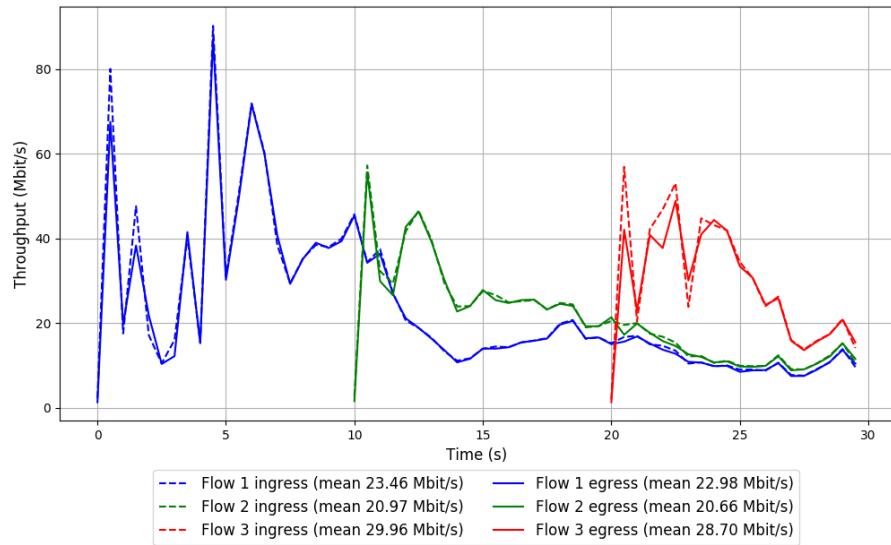


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-20 16:54:04
End at: 2018-02-20 16:54:34
Local clock offset: -5.312 ms
Remote clock offset: -9.866 ms

# Below is generated by plot.py at 2018-02-20 18:53:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 50.487 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 46.424 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 51.178 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: 56.794 ms
Loss rate: 4.18%
```

Run 7: Report of QUIC Cubic — Data Link

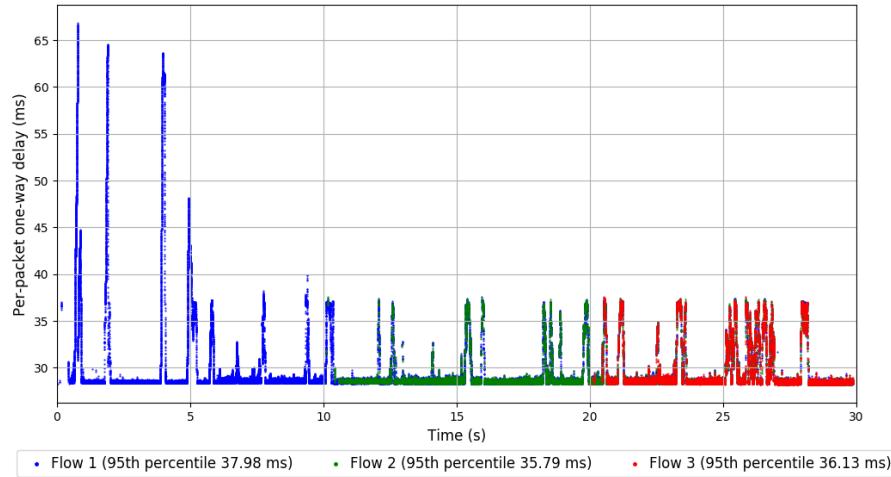
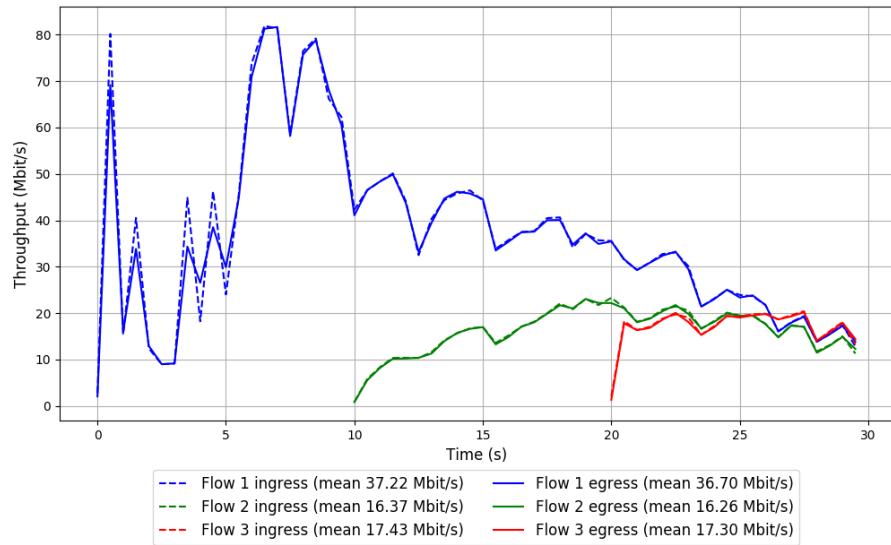


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-20 17:20:54
End at: 2018-02-20 17:21:24
Local clock offset: -1.195 ms
Remote clock offset: -10.9 ms

# Below is generated by plot.py at 2018-02-20 18:53:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 36.793 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 37.981 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 35.787 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 17.30 Mbit/s
95th percentile per-packet one-way delay: 36.130 ms
Loss rate: 0.77%
```

Run 8: Report of QUIC Cubic — Data Link

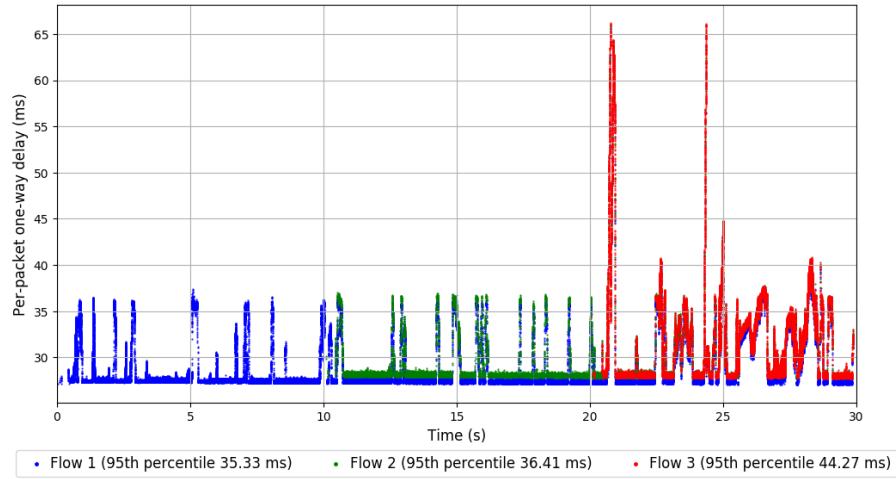
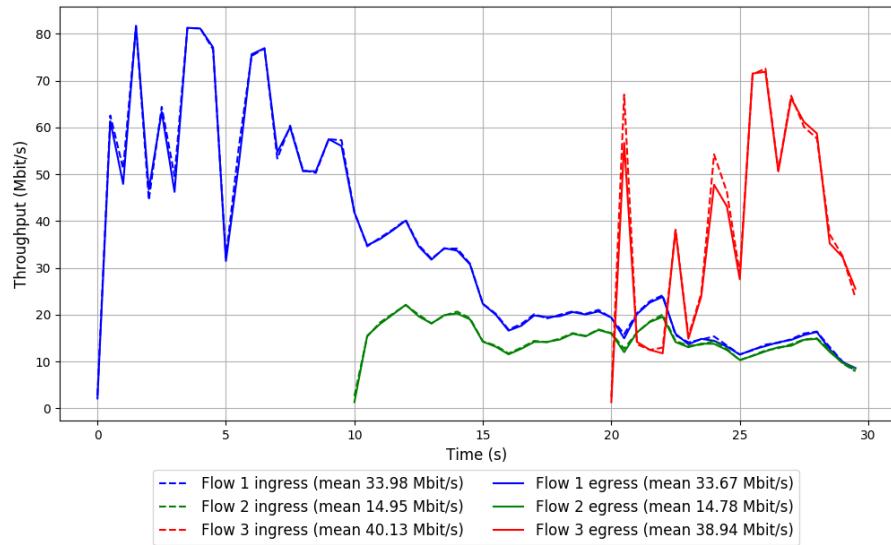


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-20 17:47:53
End at: 2018-02-20 17:48:23
Local clock offset: 0.456 ms
Remote clock offset: -4.226 ms

# Below is generated by plot.py at 2018-02-20 18:53:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 36.527 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 35.326 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 36.413 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 44.272 ms
Loss rate: 3.00%
```

Run 9: Report of QUIC Cubic — Data Link

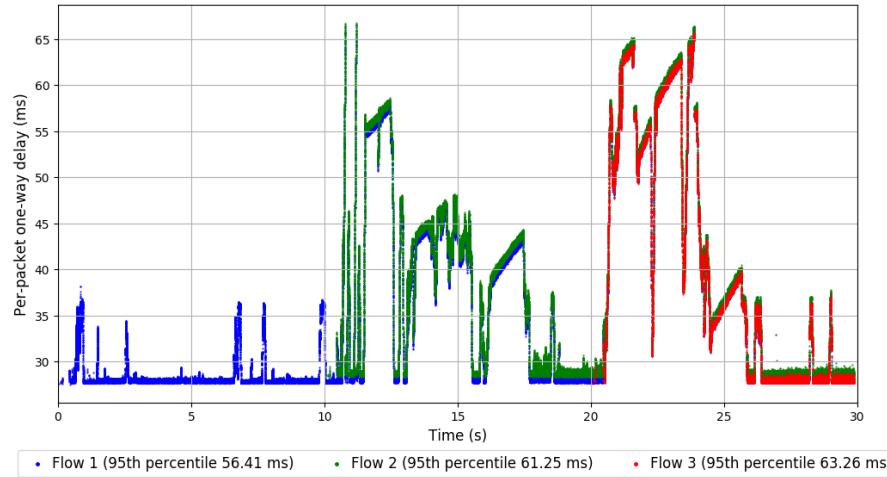
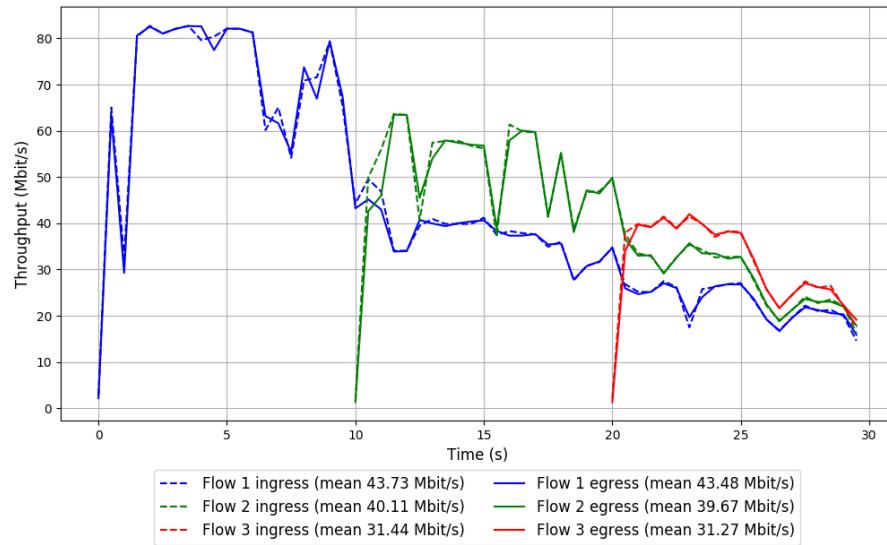


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-20 18:15:34
End at: 2018-02-20 18:16:04
Local clock offset: -5.353 ms
Remote clock offset: -5.373 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 60.540 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 43.48 Mbit/s
95th percentile per-packet one-way delay: 56.406 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 61.249 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 63.255 ms
Loss rate: 0.55%
```

Run 10: Report of QUIC Cubic — Data Link

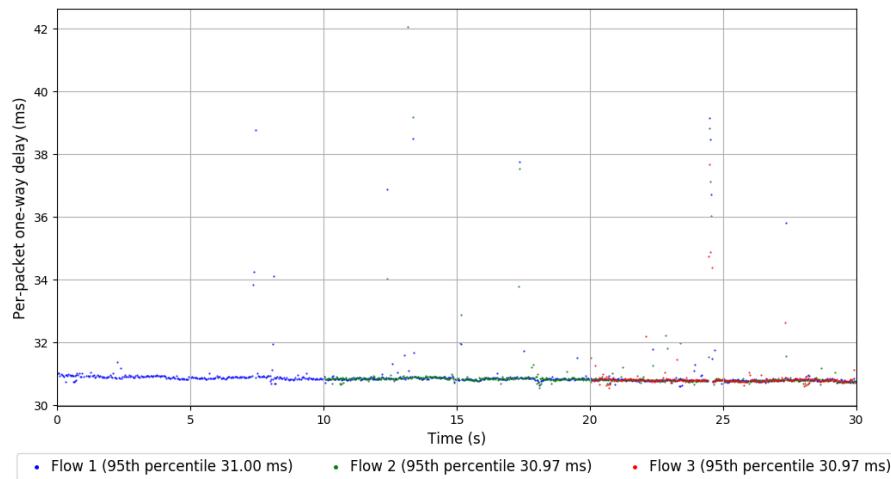
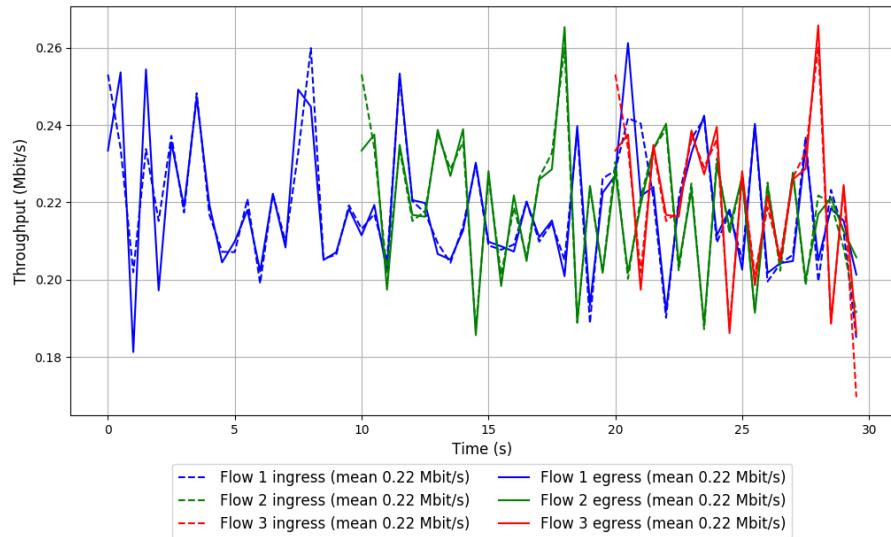


```
Run 1: Statistics of SCReAM

Start at: 2018-02-20 13:52:01
End at: 2018-02-20 13:52:32
Local clock offset: 3.29 ms
Remote clock offset: -2.792 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.003 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.972 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

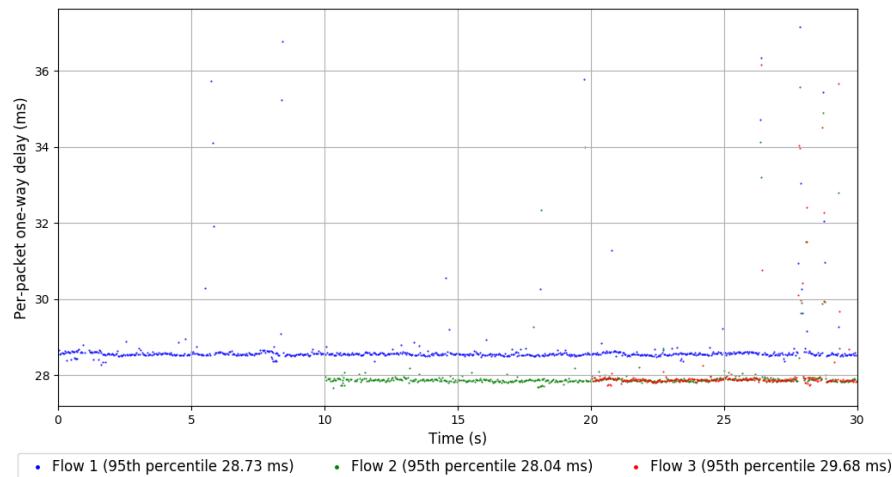
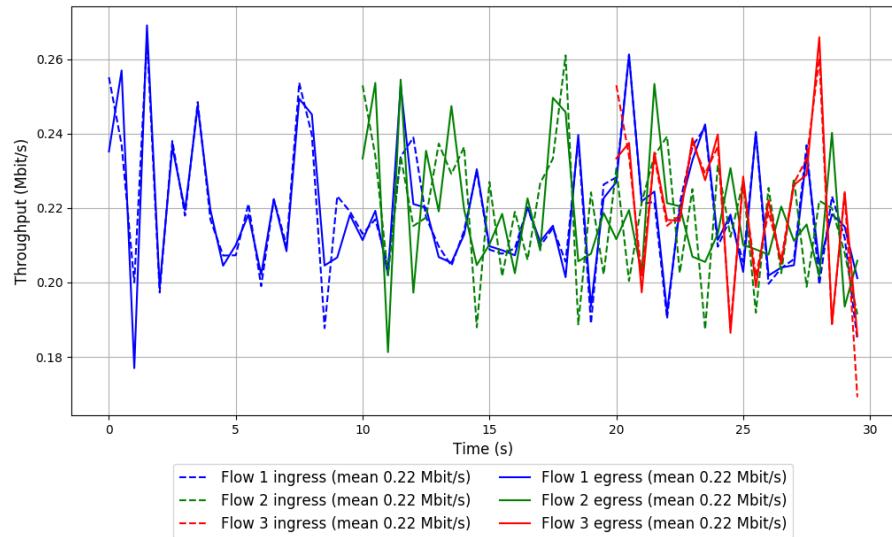


Run 2: Statistics of SCReAM

```
Start at: 2018-02-20 14:18:50
End at: 2018-02-20 14:19:20
Local clock offset: 1.742 ms
Remote clock offset: -2.264 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.682 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

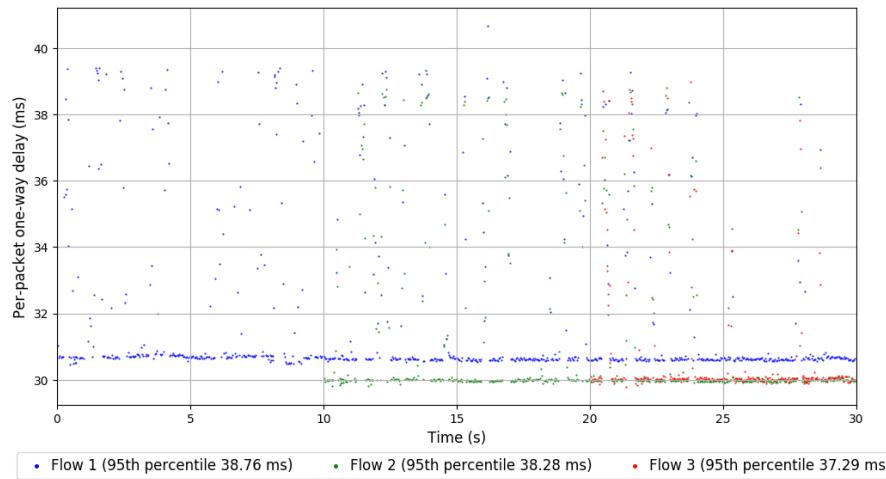
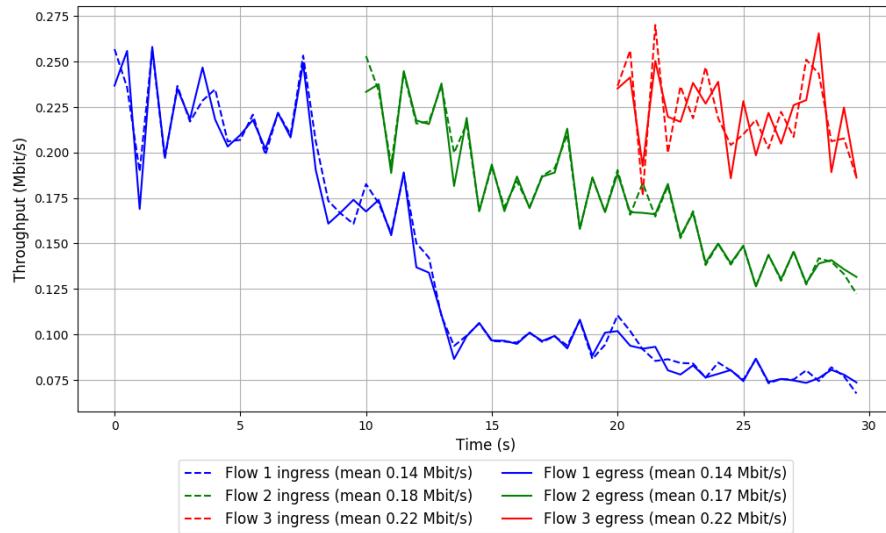


Run 3: Statistics of SCReAM

```
Start at: 2018-02-20 14:44:58
End at: 2018-02-20 14:45:28
Local clock offset: 1.437 ms
Remote clock offset: -1.74 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 38.352 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 38.761 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 38.281 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.286 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

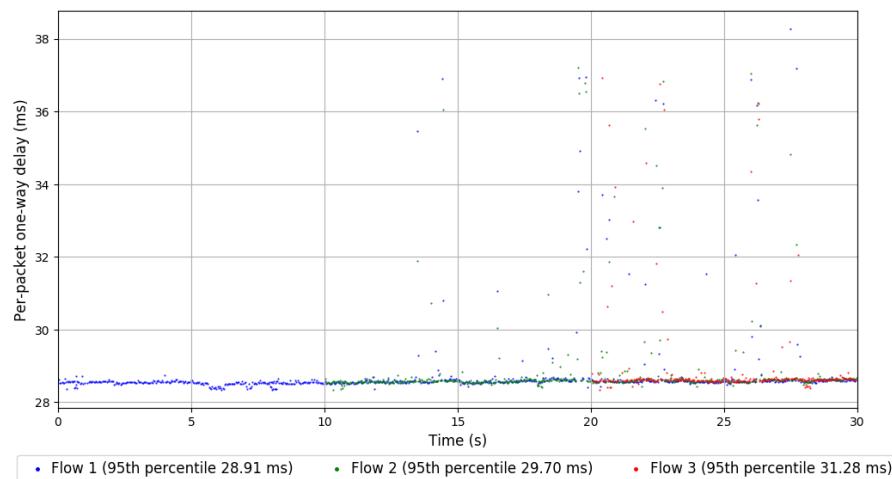
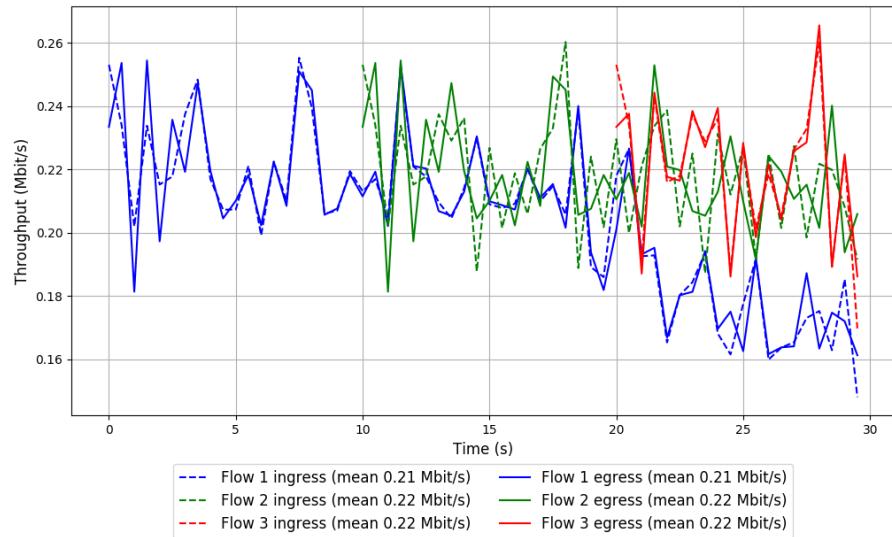


Run 4: Statistics of SCReAM

```
Start at: 2018-02-20 15:11:02
End at: 2018-02-20 15:11:32
Local clock offset: 1.288 ms
Remote clock offset: -6.249 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 29.425 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.905 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.699 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.279 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

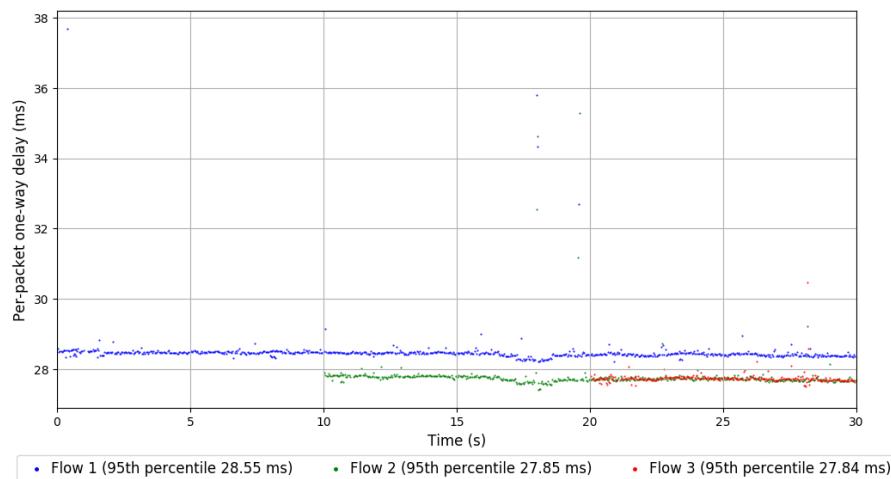
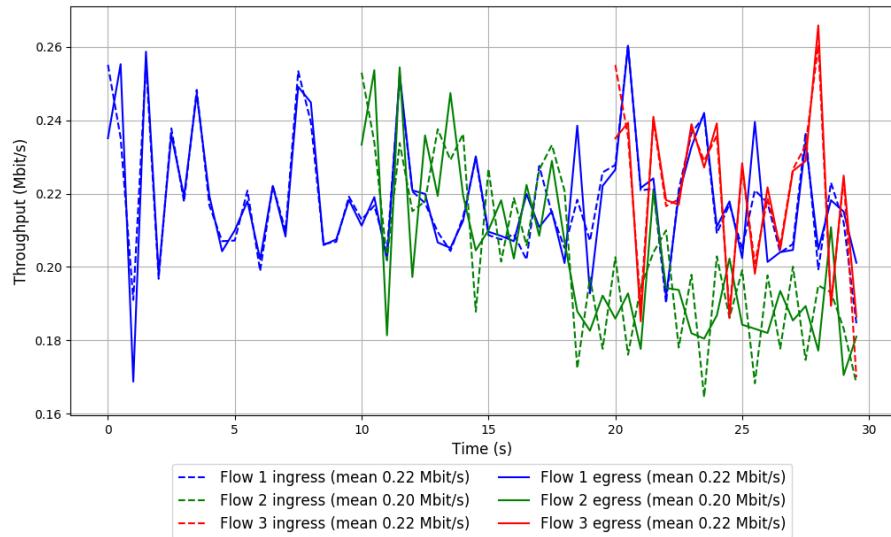


Run 5: Statistics of SCReAM

```
Start at: 2018-02-20 15:36:44
End at: 2018-02-20 15:37:14
Local clock offset: 2.007 ms
Remote clock offset: -8.523 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 28.529 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 27.850 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.835 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

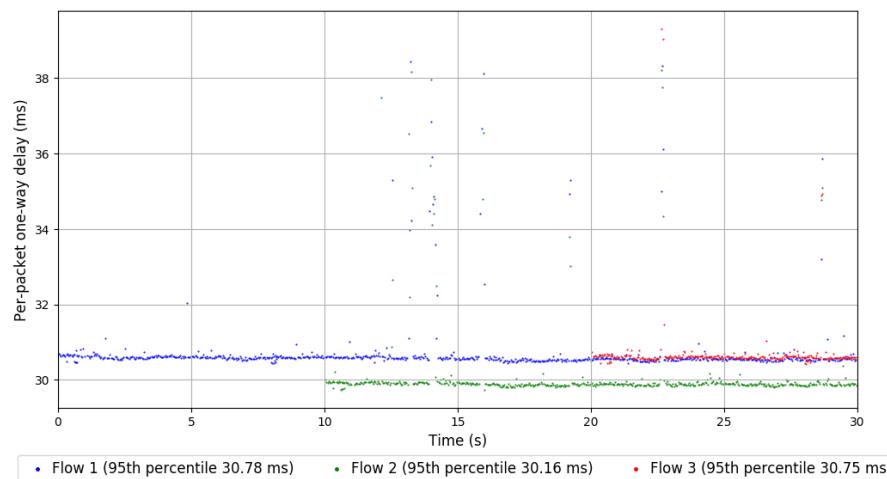
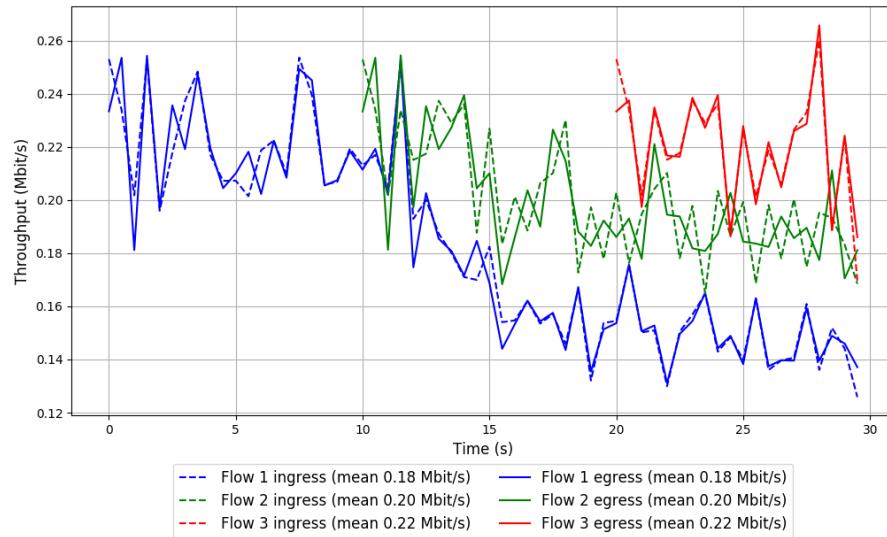


Run 6: Statistics of SCReAM

```
Start at: 2018-02-20 16:01:45
End at: 2018-02-20 16:02:15
Local clock offset: 2.906 ms
Remote clock offset: -4.064 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 30.748 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 30.779 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.160 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.748 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

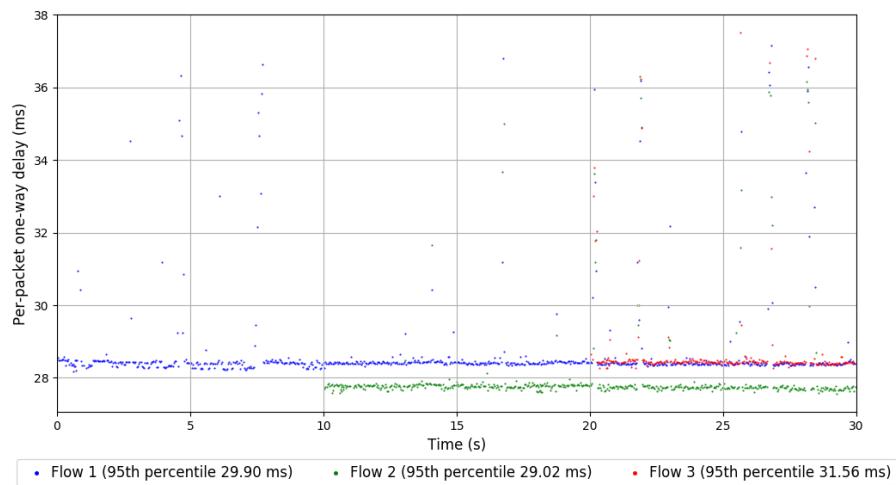
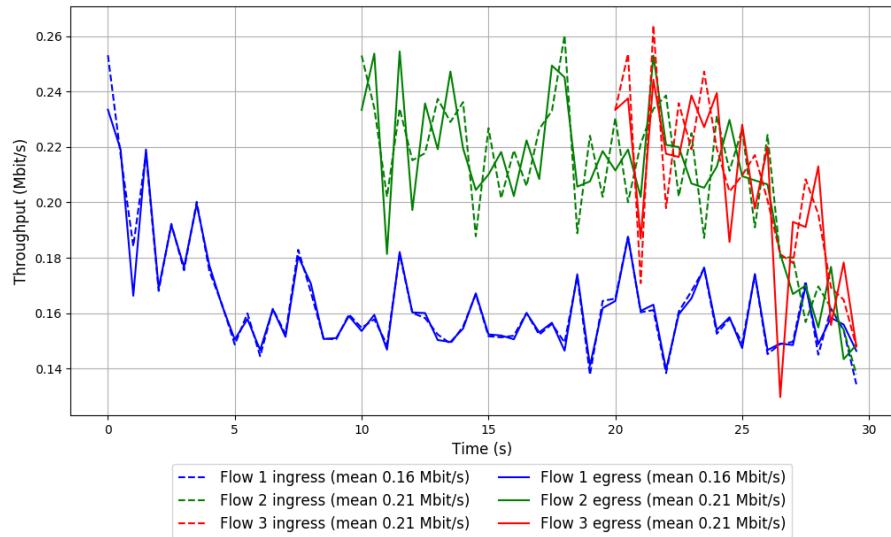


Run 7: Statistics of SCReAM

```
Start at: 2018-02-20 16:26:37
End at: 2018-02-20 16:27:07
Local clock offset: -3.742 ms
Remote clock offset: -5.06 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 29.763 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 29.896 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.023 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.562 ms
Loss rate: 0.89%
```

Run 7: Report of SCReAM — Data Link

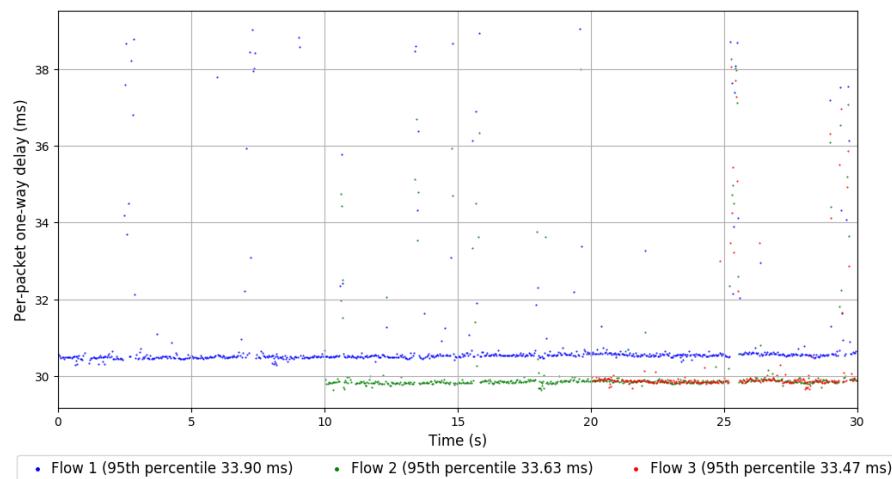
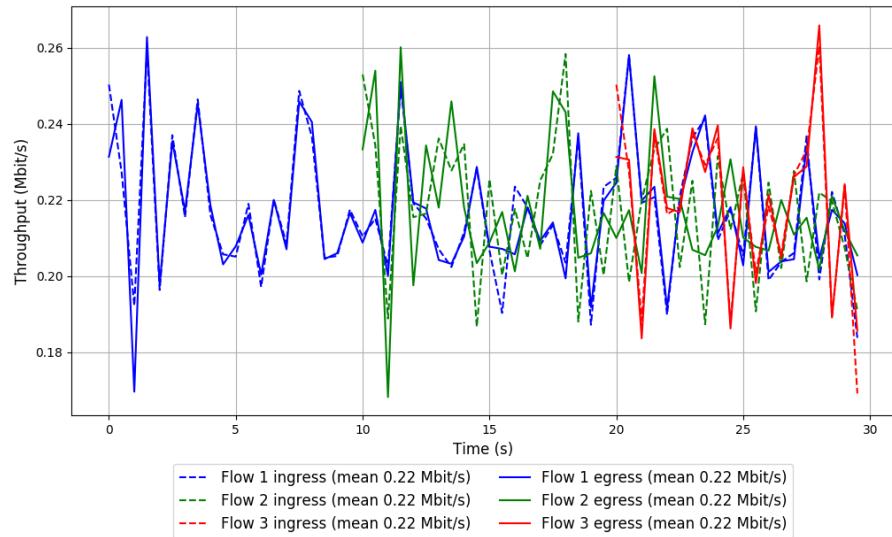


Run 8: Statistics of SCReAM

```
Start at: 2018-02-20 16:55:45
End at: 2018-02-20 16:56:15
Local clock offset: -5.386 ms
Remote clock offset: -8.429 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 33.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.897 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.474 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

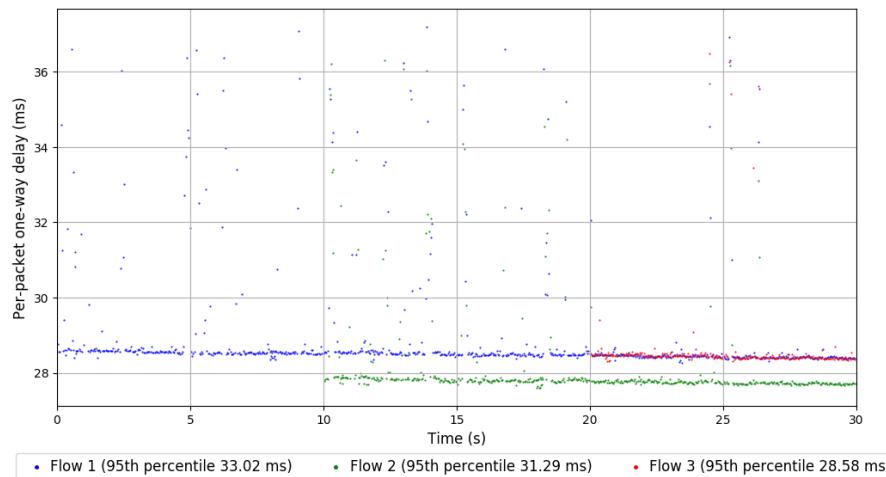
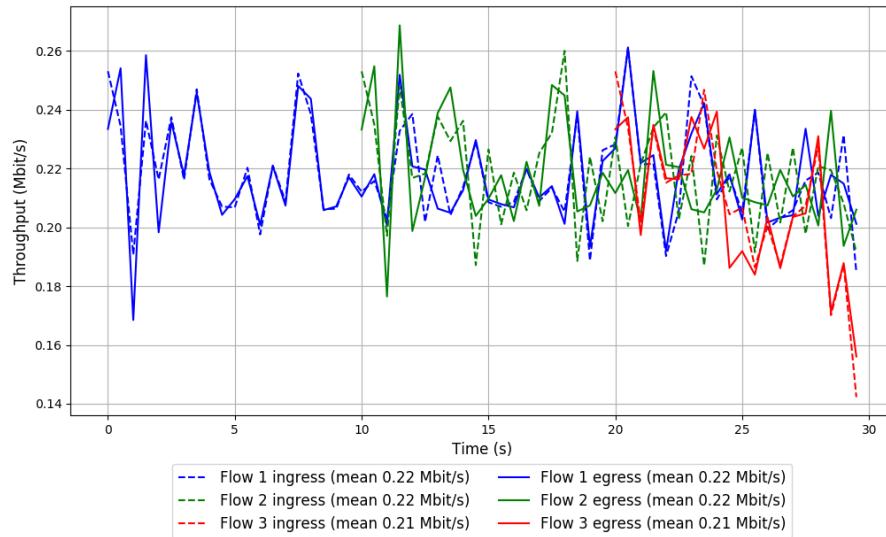


Run 9: Statistics of SCReAM

```
Start at: 2018-02-20 17:22:16
End at: 2018-02-20 17:22:46
Local clock offset: -0.79 ms
Remote clock offset: -9.962 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.967 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.286 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.577 ms
Loss rate: 0.42%
```

Run 9: Report of SCReAM — Data Link

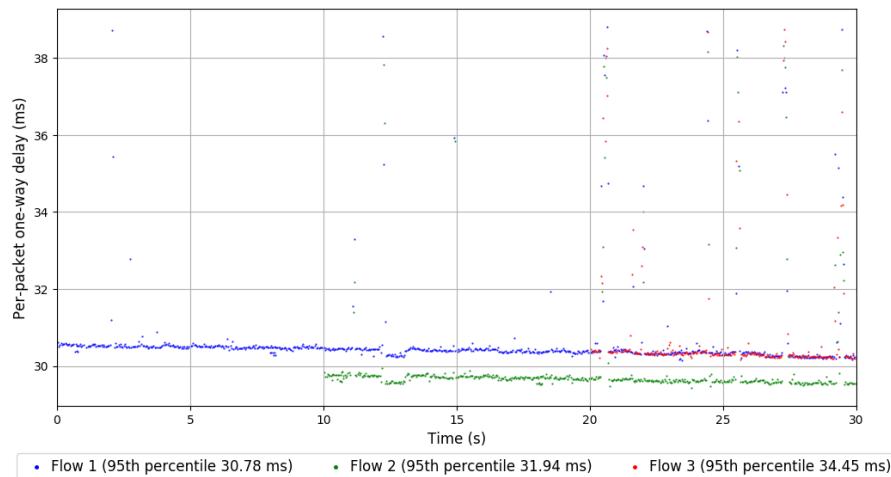
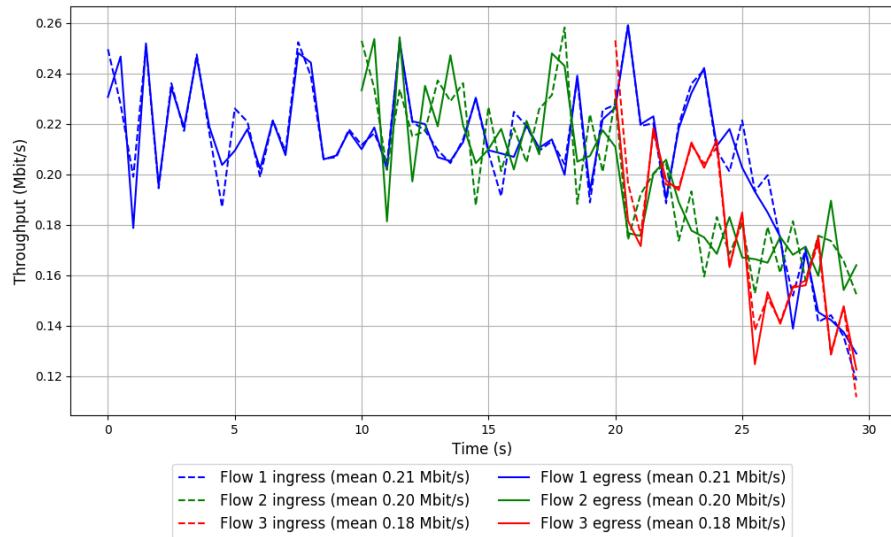


Run 10: Statistics of SCReAM

```
Start at: 2018-02-20 17:49:21
End at: 2018-02-20 17:49:51
Local clock offset: -0.253 ms
Remote clock offset: -1.776 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 32.059 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.781 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.943 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 34.449 ms
Loss rate: 0.95%
```

Run 10: Report of SCReAM — Data Link

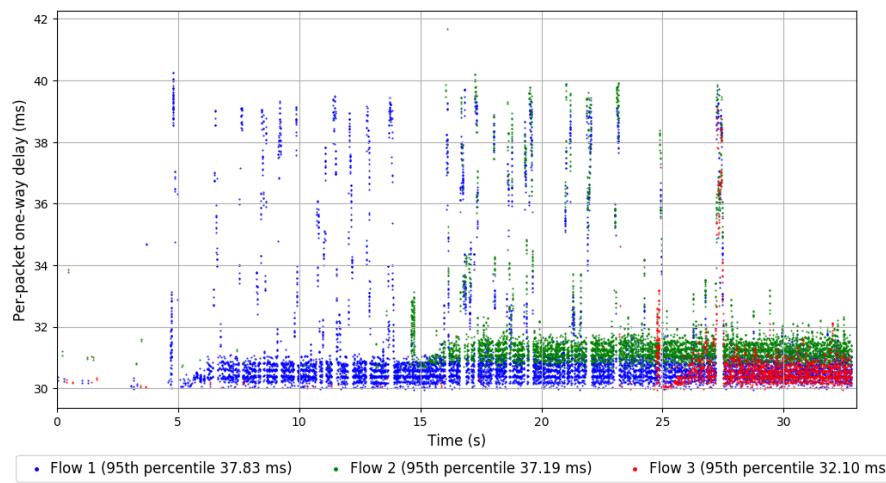
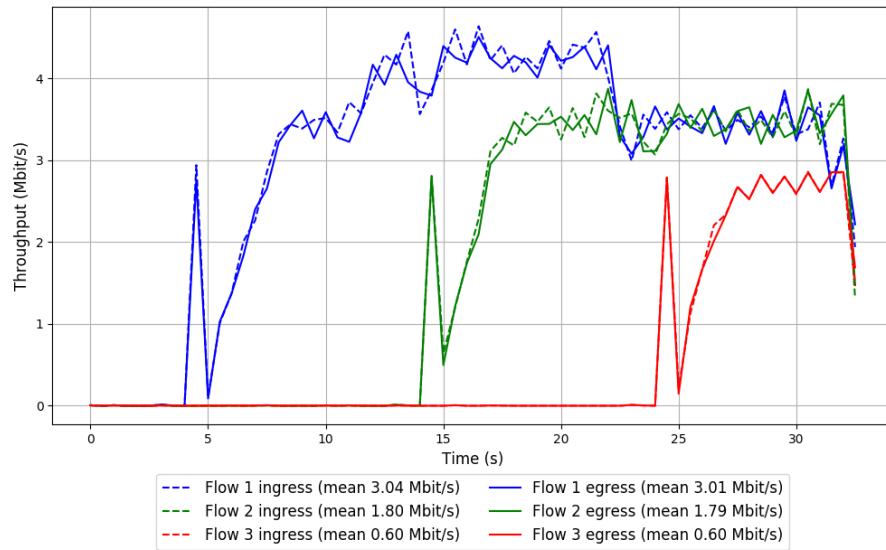


Run 1: Statistics of WebRTC media

```
Start at: 2018-02-20 14:10:06
End at: 2018-02-20 14:10:36
Local clock offset: 1.644 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 37.336 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 37.826 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 37.193 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 32.103 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

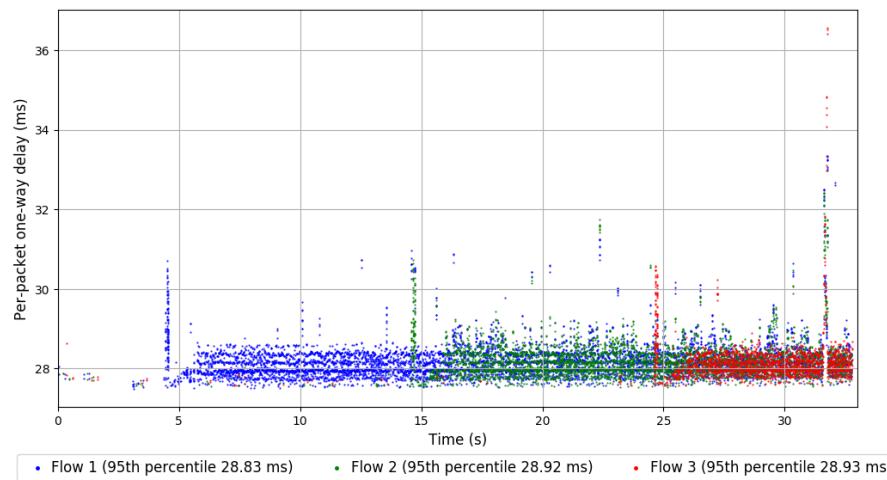
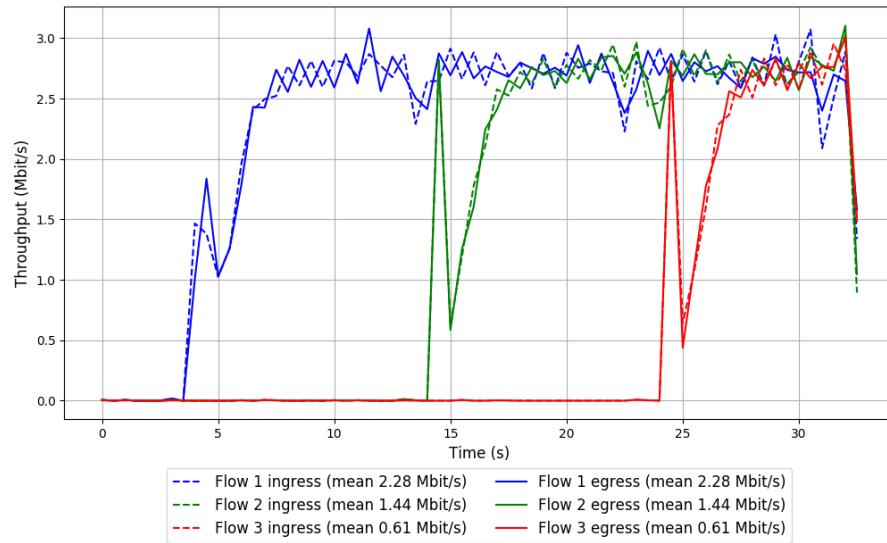


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-20 14:36:13
End at: 2018-02-20 14:36:43
Local clock offset: 1.342 ms
Remote clock offset: -3.285 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 28.870 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.833 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.923 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 28.928 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

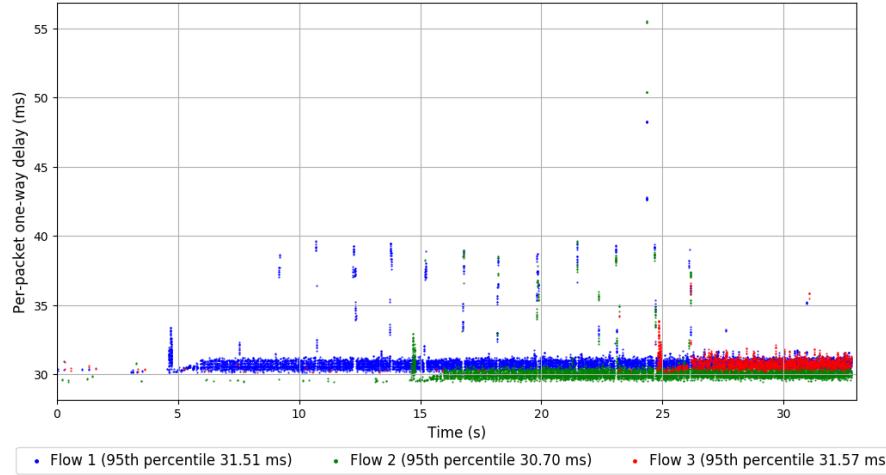
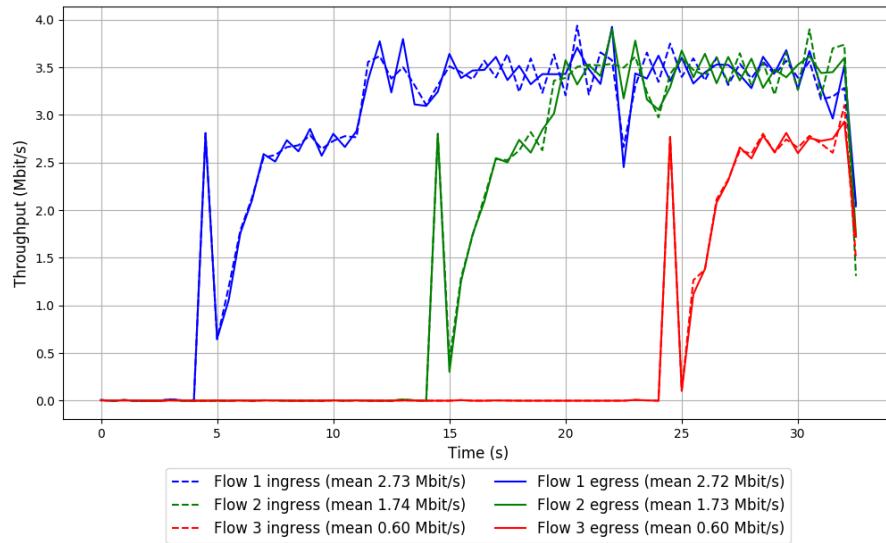


Run 3: Statistics of WebRTC media

```
Start at: 2018-02-20 15:02:38
End at: 2018-02-20 15:03:08
Local clock offset: 1.374 ms
Remote clock offset: -3.074 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 31.380 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 31.511 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 30.703 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.570 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

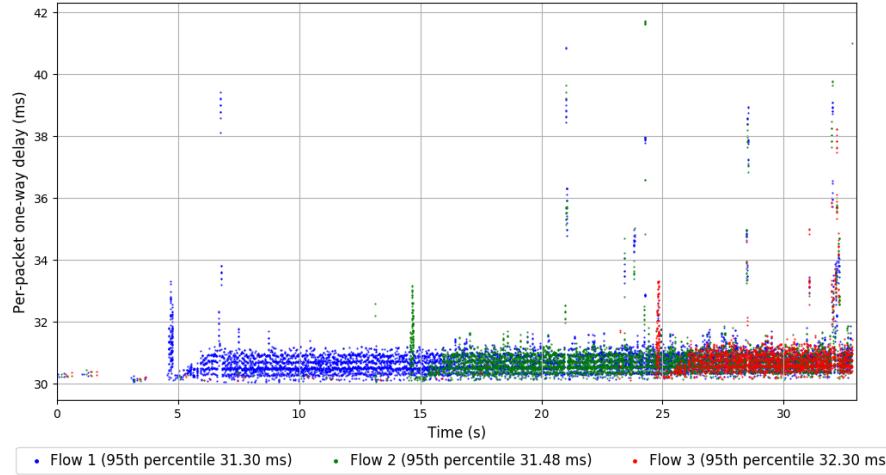
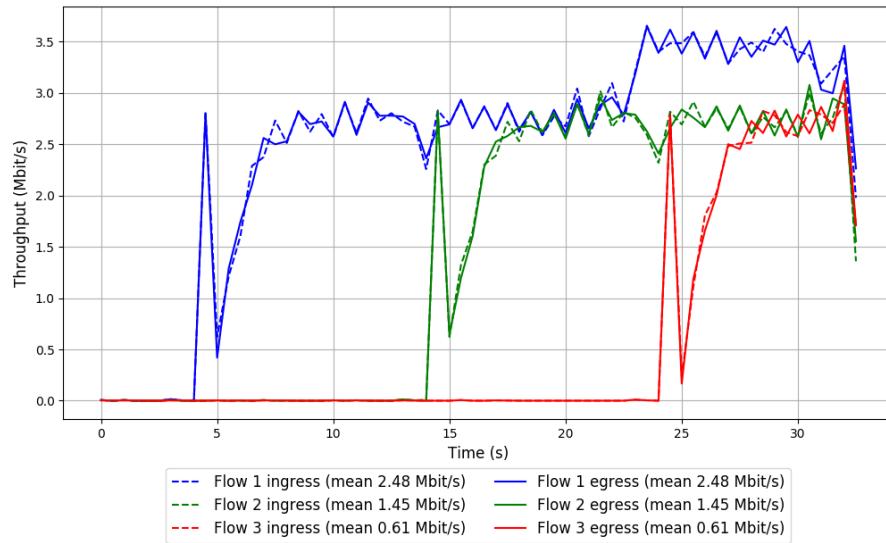


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-20 15:28:31
End at: 2018-02-20 15:29:01
Local clock offset: 1.352 ms
Remote clock offset: -5.767 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 31.389 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 31.296 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 31.479 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 32.301 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

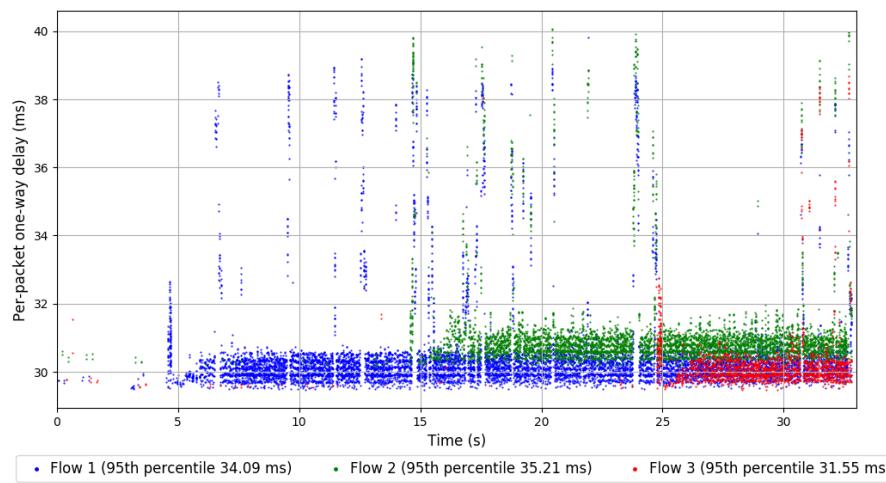
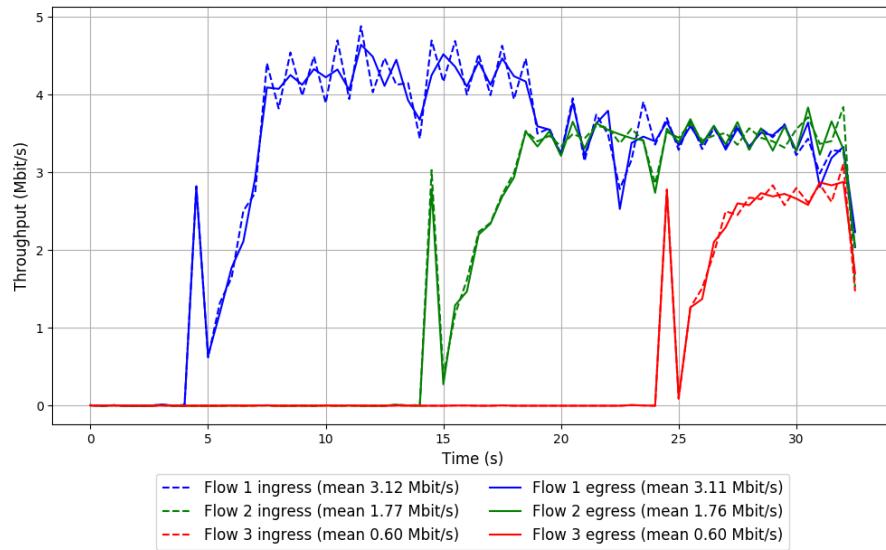


Run 5: Statistics of WebRTC media

```
Start at: 2018-02-20 15:53:33
End at: 2018-02-20 15:54:03
Local clock offset: 2.687 ms
Remote clock offset: -4.513 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 34.152 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 34.085 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.546 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

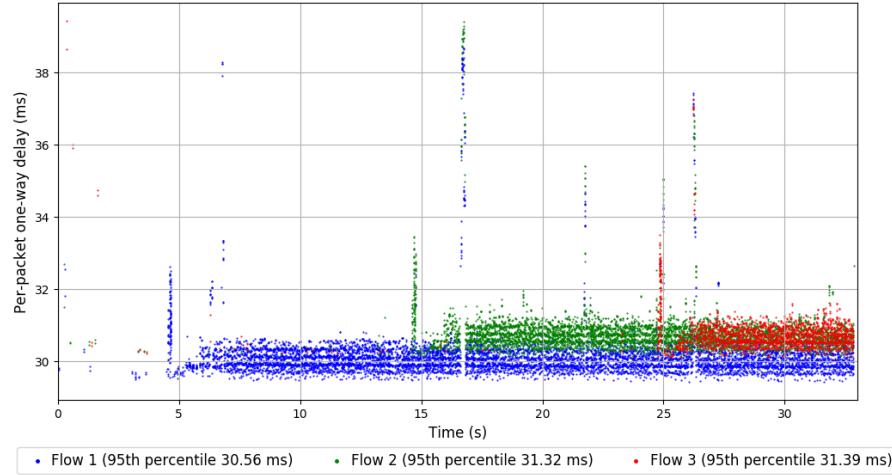
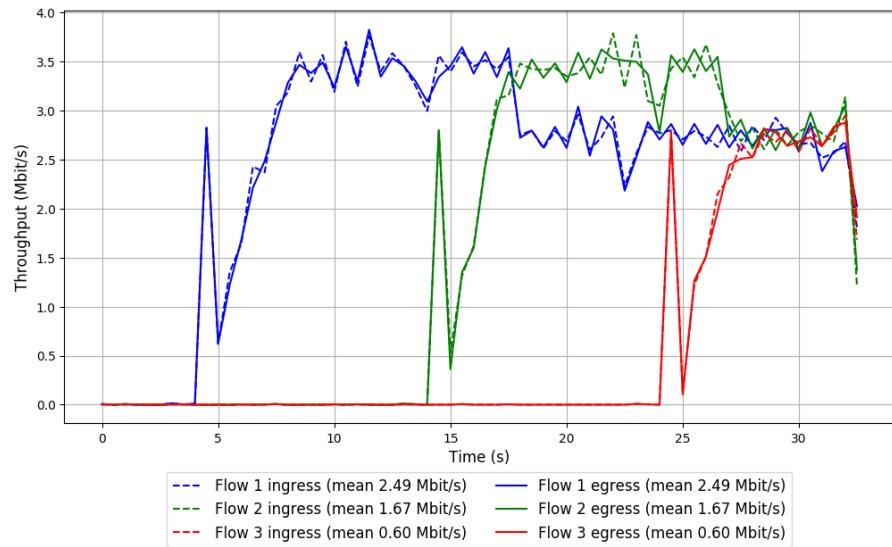


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-20 16:18:30
End at: 2018-02-20 16:19:00
Local clock offset: -2.643 ms
Remote clock offset: -3.171 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 31.172 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 30.563 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 31.319 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.387 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

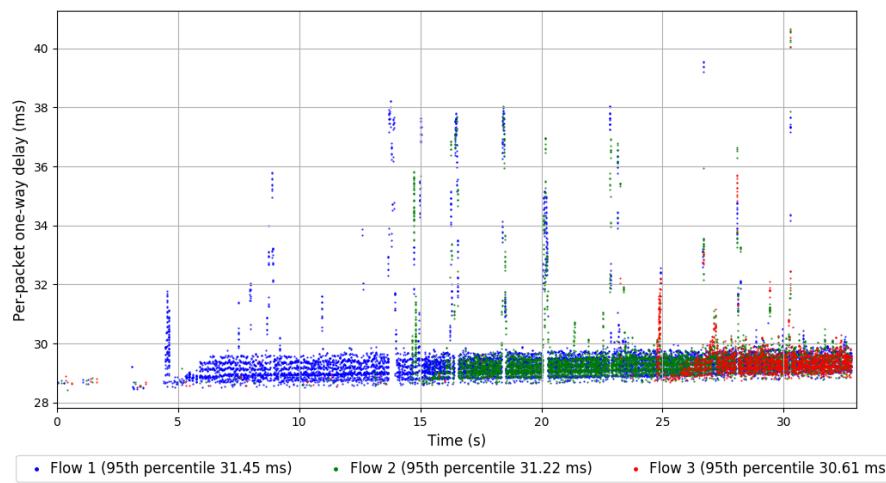
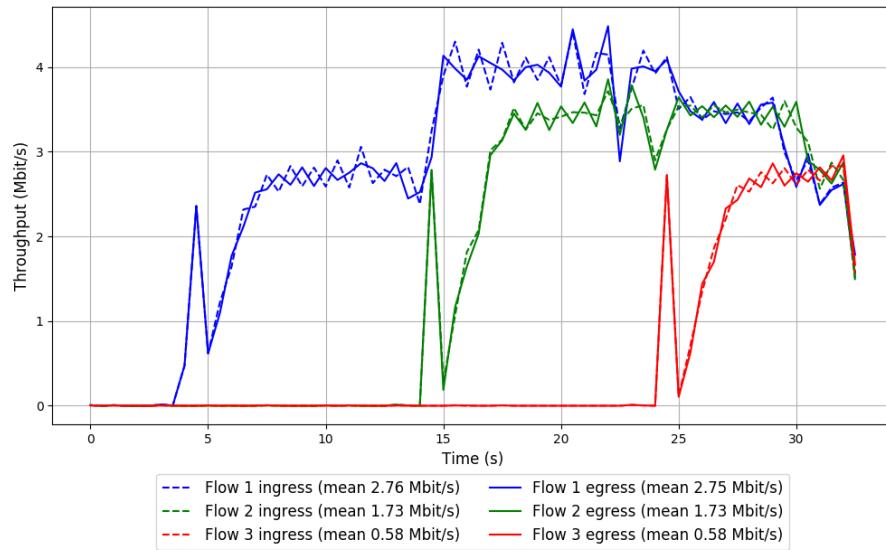


Run 7: Statistics of WebRTC media

```
Start at: 2018-02-20 16:44:55
End at: 2018-02-20 16:45:25
Local clock offset: -4.863 ms
Remote clock offset: -5.378 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 31.172 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 31.452 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 31.223 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 30.607 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

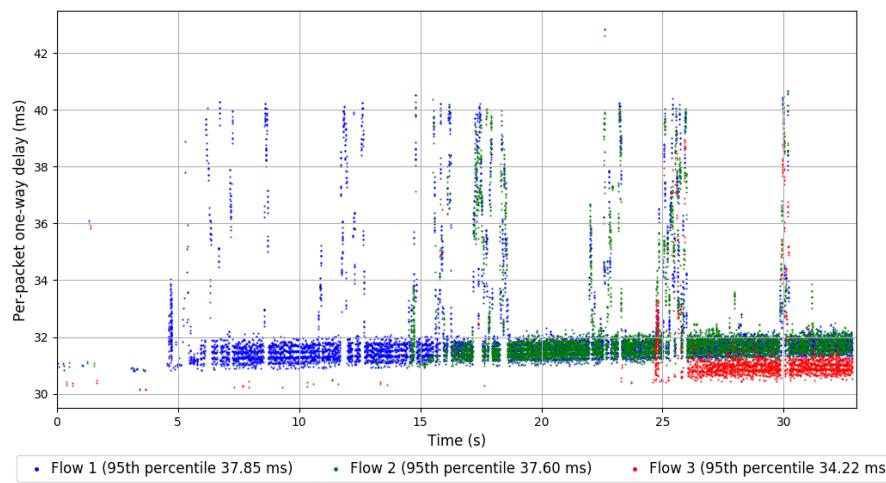
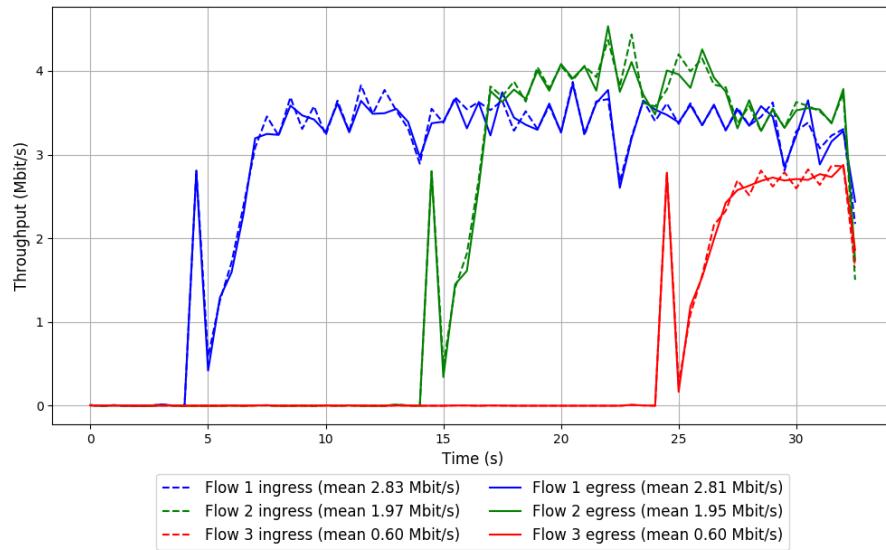


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-20 17:13:42
End at: 2018-02-20 17:14:12
Local clock offset: -4.544 ms
Remote clock offset: -10.873 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 37.494 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 37.847 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 37.605 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 34.217 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

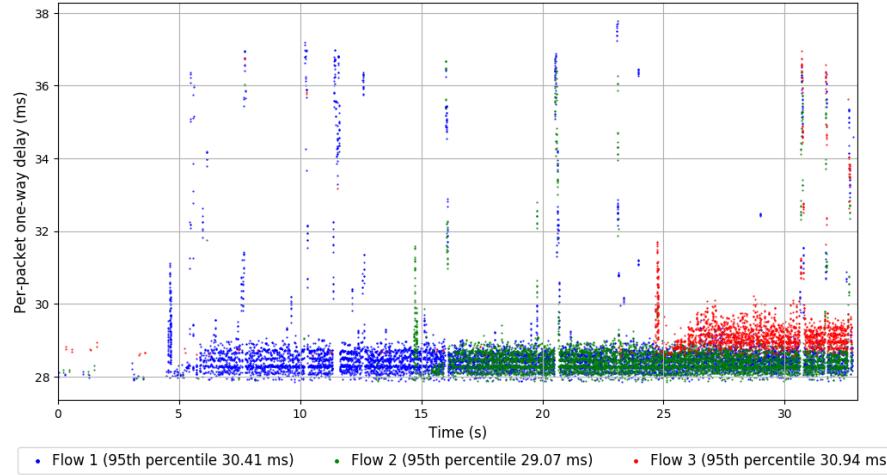
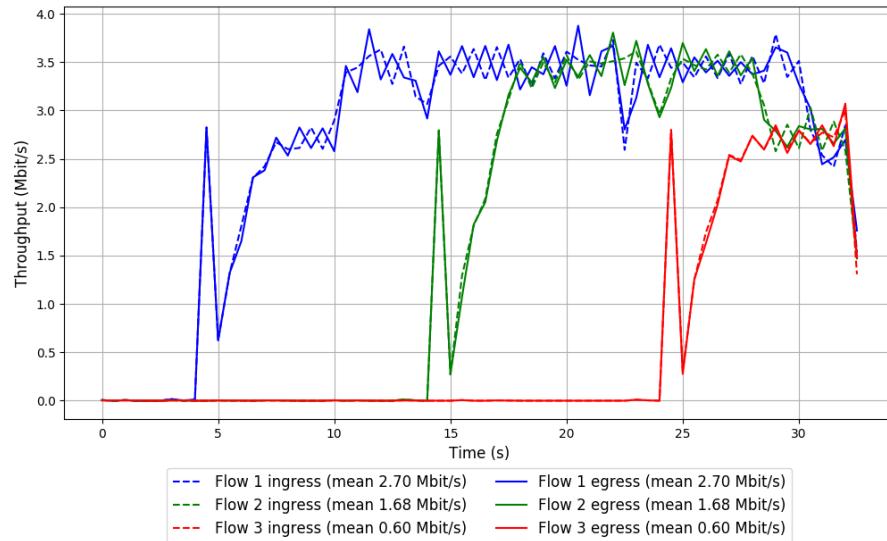


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-20 17:40:19
End at: 2018-02-20 17:40:49
Local clock offset: 1.591 ms
Remote clock offset: -4.597 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 30.017 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 30.410 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 29.074 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 30.942 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

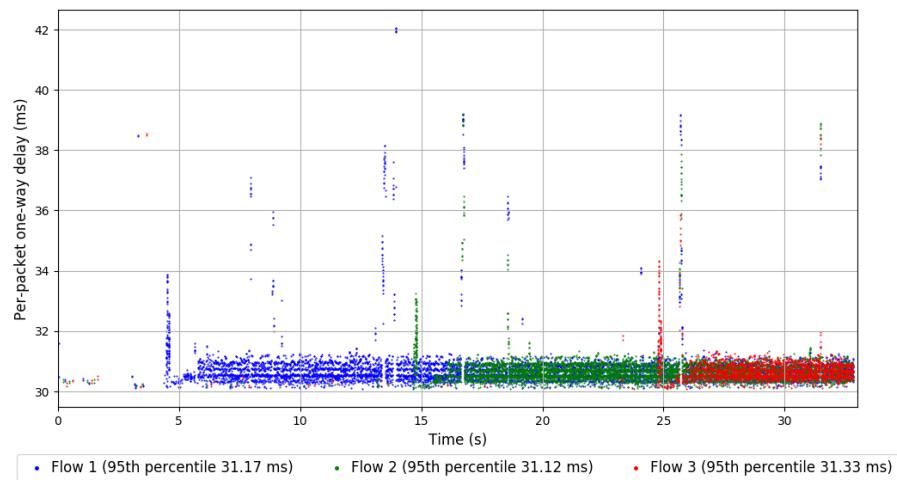
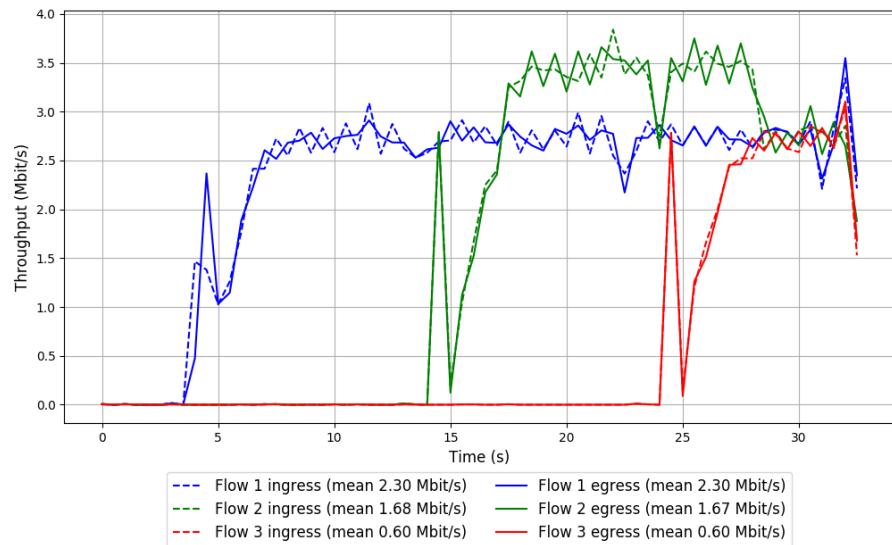


Run 10: Statistics of WebRTC media

```
Start at: 2018-02-20 18:07:44
End at: 2018-02-20 18:08:14
Local clock offset: -4.436 ms
Remote clock offset: -3.113 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 31.158 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 31.169 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 31.117 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.326 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

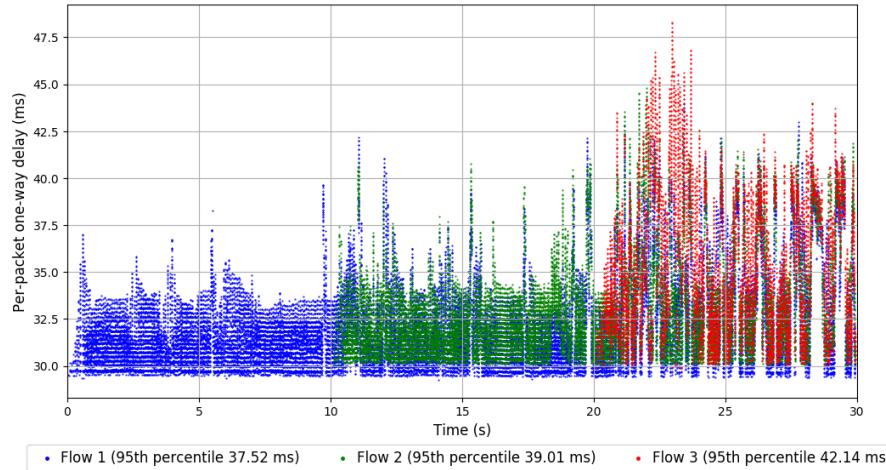
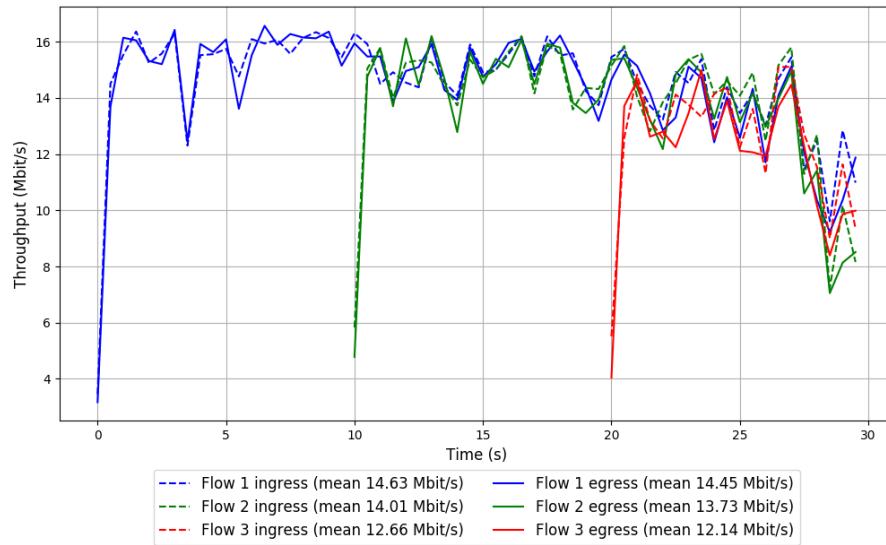


Run 1: Statistics of Sprout

```
Start at: 2018-02-20 13:57:47
End at: 2018-02-20 13:58:17
Local clock offset: 2.298 ms
Remote clock offset: -2.052 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 39.192 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 14.45 Mbit/s
95th percentile per-packet one-way delay: 37.518 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 13.73 Mbit/s
95th percentile per-packet one-way delay: 39.007 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 42.142 ms
Loss rate: 4.06%
```

Run 1: Report of Sprout — Data Link

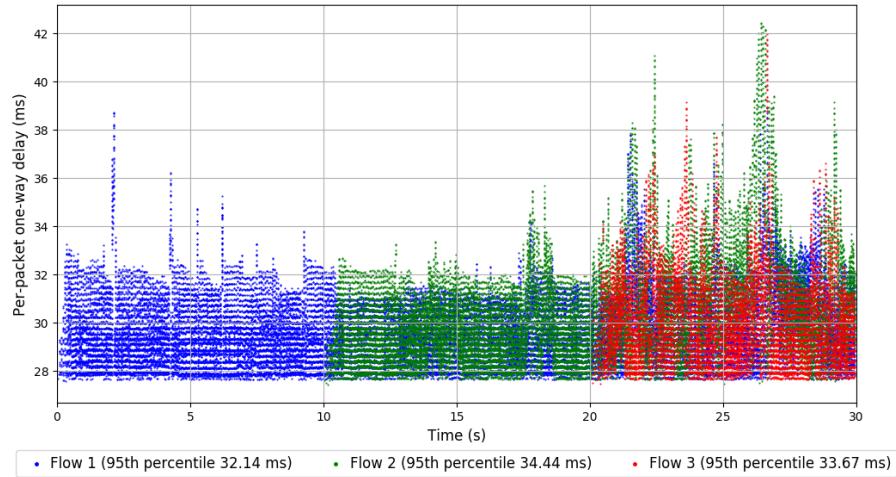
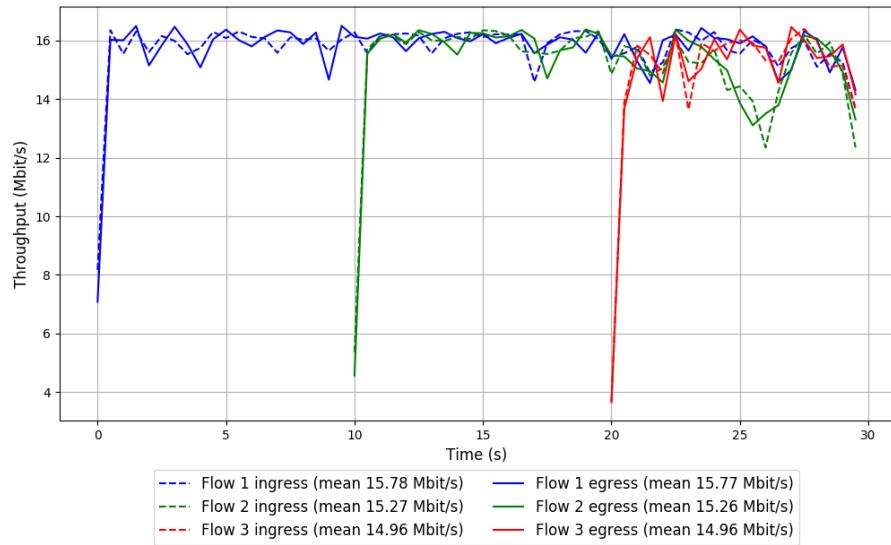


Run 2: Statistics of Sprout

```
Start at: 2018-02-20 14:24:23
End at: 2018-02-20 14:24:53
Local clock offset: 1.477 ms
Remote clock offset: -2.395 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 33.185 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 32.137 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 34.442 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 33.666 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

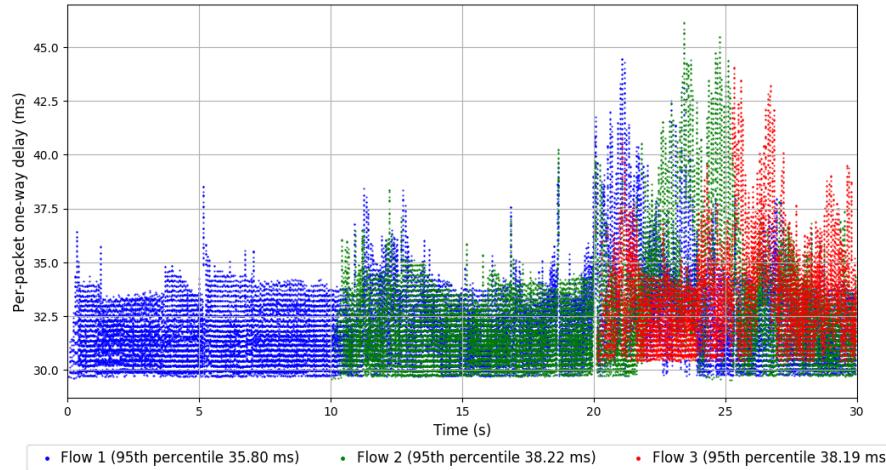
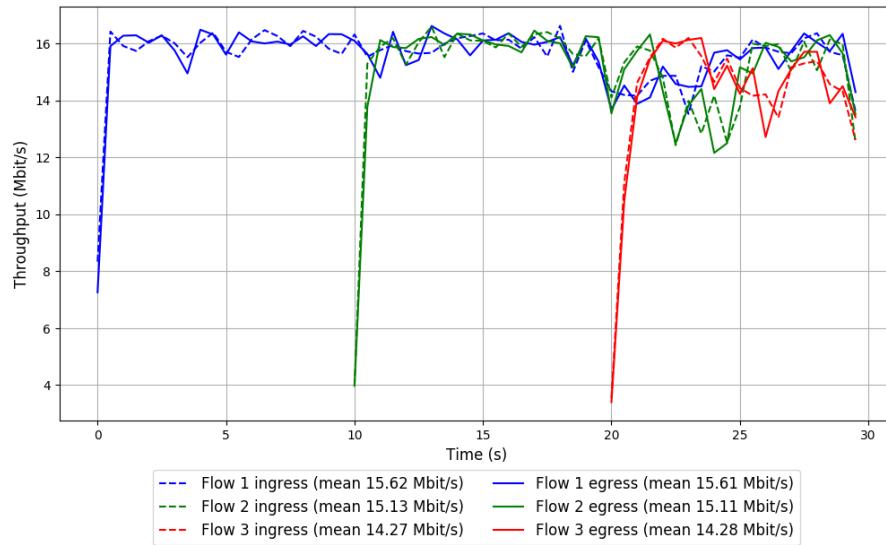


Run 3: Statistics of Sprout

```
Start at: 2018-02-20 14:50:35
End at: 2018-02-20 14:51:05
Local clock offset: 1.619 ms
Remote clock offset: -2.167 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 37.078 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 35.804 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 38.215 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 14.28 Mbit/s
95th percentile per-packet one-way delay: 38.192 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

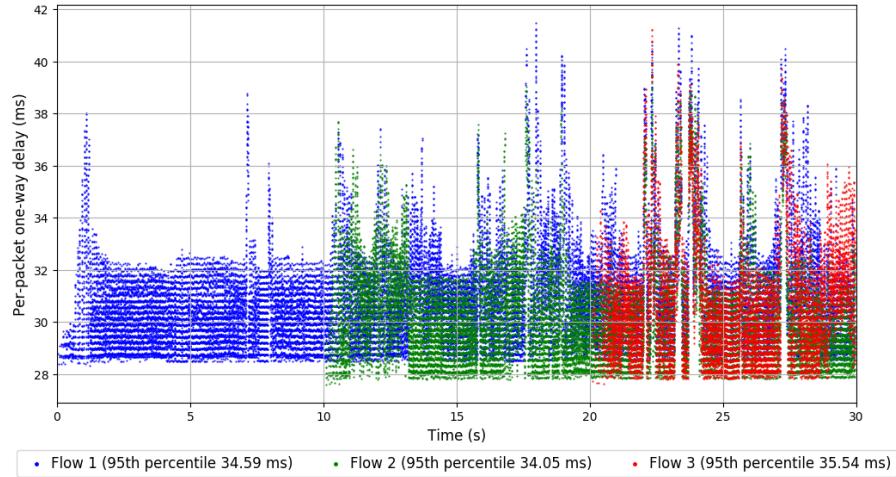
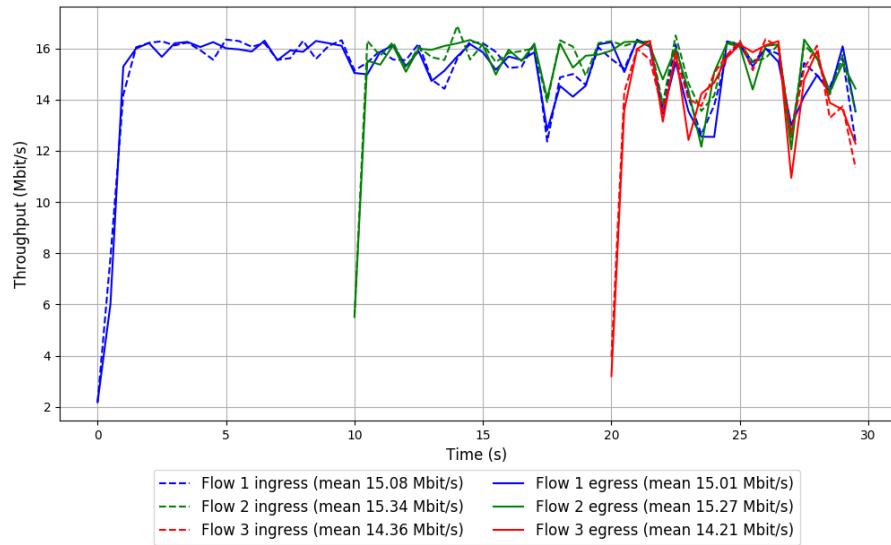


Run 4: Statistics of Sprout

```
Start at: 2018-02-20 15:16:33
End at: 2018-02-20 15:17:03
Local clock offset: 1.183 ms
Remote clock offset: -6.977 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 34.622 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 15.01 Mbit/s
95th percentile per-packet one-way delay: 34.592 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 34.054 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 35.536 ms
Loss rate: 1.04%
```

Run 4: Report of Sprout — Data Link

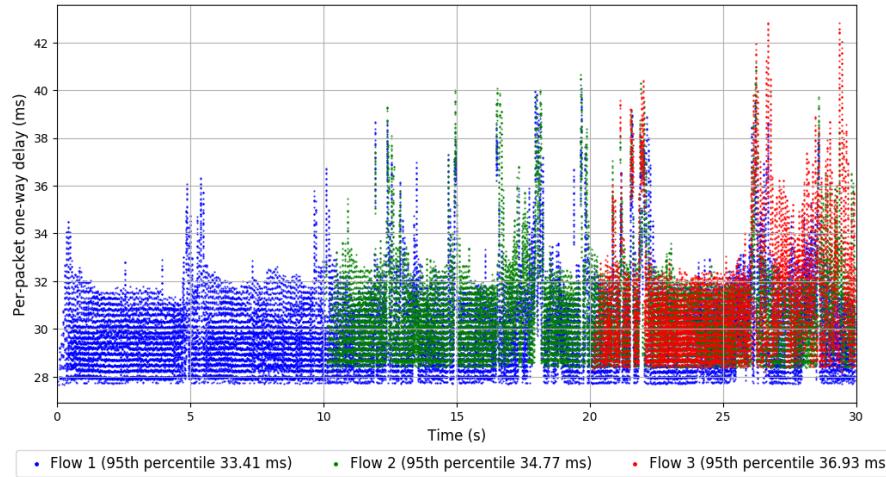
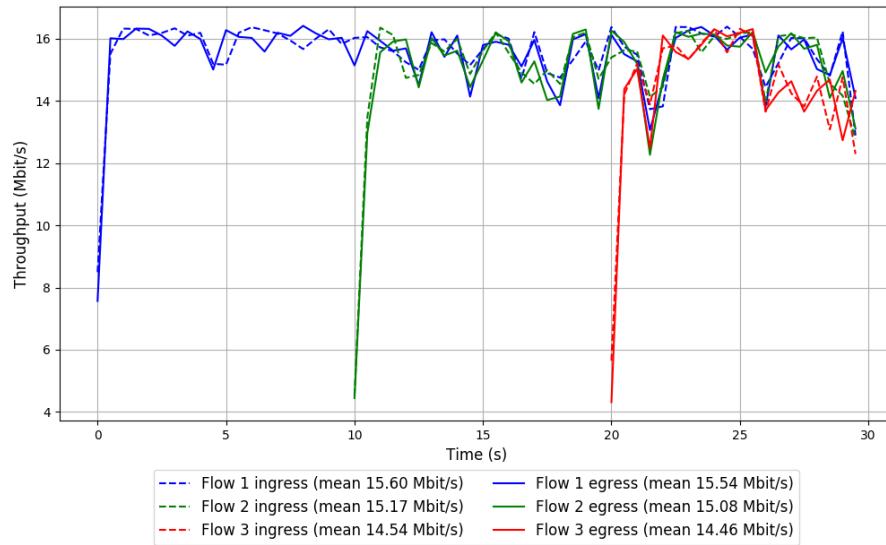


Run 5: Statistics of Sprout

```
Start at: 2018-02-20 15:42:08
End at: 2018-02-20 15:42:38
Local clock offset: 2.201 ms
Remote clock offset: -7.478 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 34.712 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: 33.410 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 34.773 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 36.933 ms
Loss rate: 0.49%
```

Run 5: Report of Sprout — Data Link

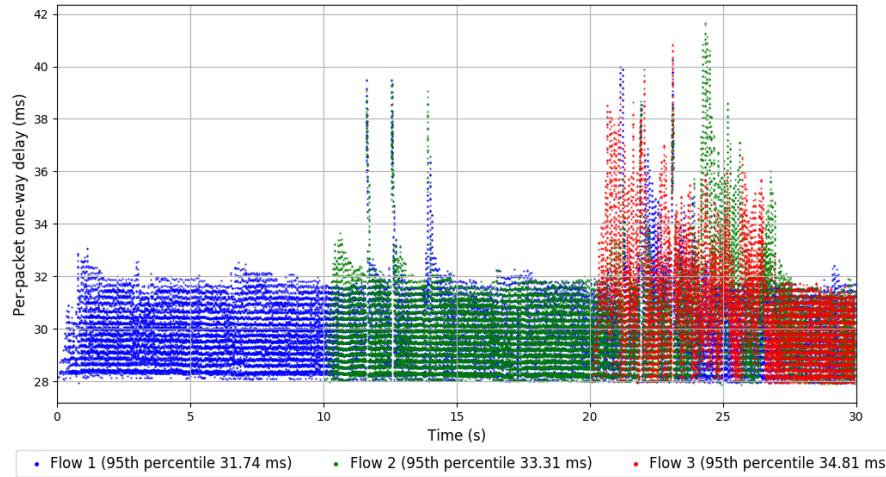
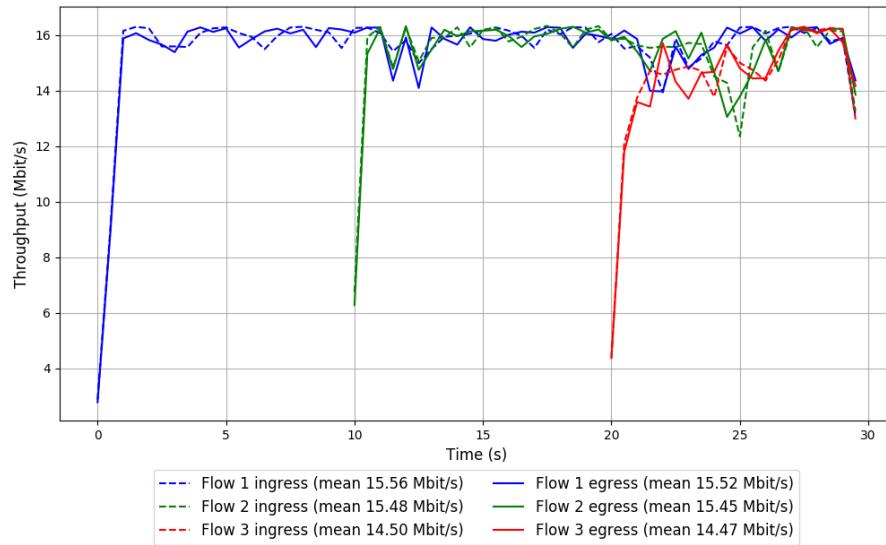


Run 6: Statistics of Sprout

```
Start at: 2018-02-20 16:07:05
End at: 2018-02-20 16:07:35
Local clock offset: 0.624 ms
Remote clock offset: -5.858 ms

# Below is generated by plot.py at 2018-02-20 18:54:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 33.001 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 31.739 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 33.312 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 34.807 ms
Loss rate: 0.24%
```

Run 6: Report of Sprout — Data Link

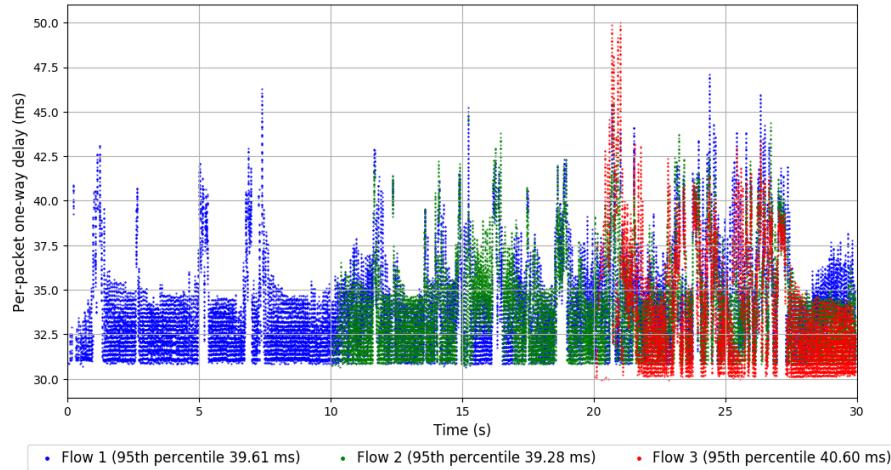
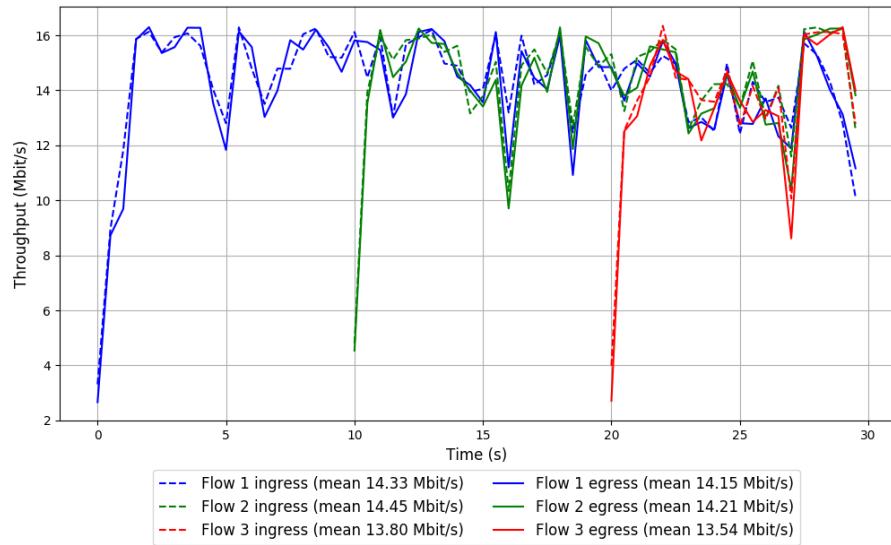


Run 7: Statistics of Sprout

```
Start at: 2018-02-20 16:32:07
End at: 2018-02-20 16:32:37
Local clock offset: -4.218 ms
Remote clock offset: -2.401 ms

# Below is generated by plot.py at 2018-02-20 18:54:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 39.680 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 39.614 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 39.281 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 40.601 ms
Loss rate: 1.88%
```

Run 7: Report of Sprout — Data Link

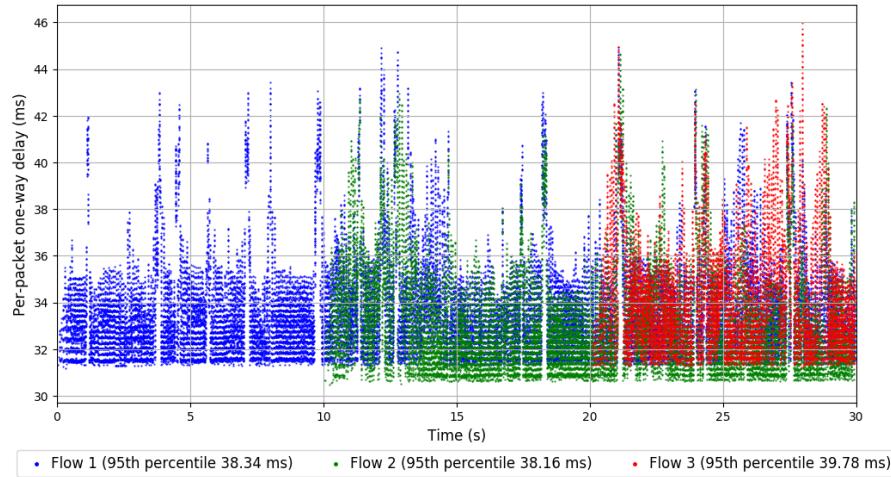
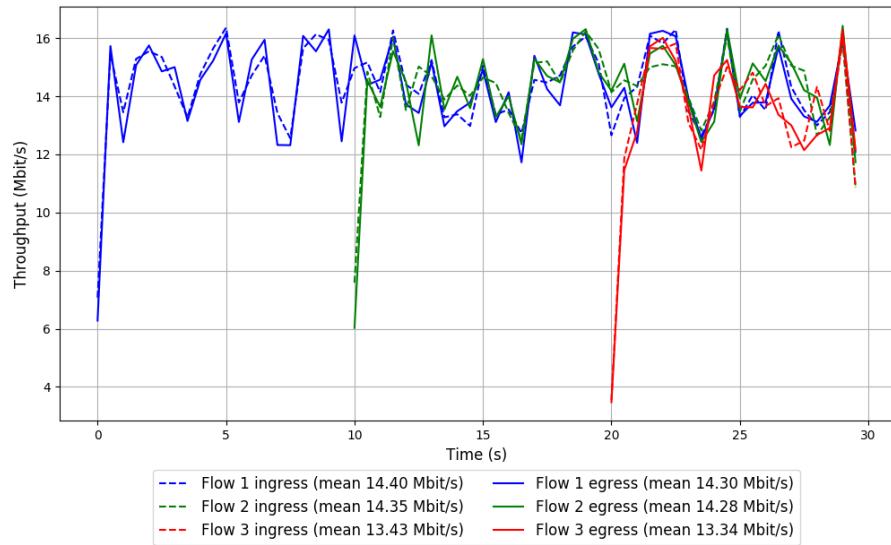


Run 8: Statistics of Sprout

```
Start at: 2018-02-20 17:01:18
End at: 2018-02-20 17:01:48
Local clock offset: -5.819 ms
Remote clock offset: -8.761 ms

# Below is generated by plot.py at 2018-02-20 18:54:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 38.640 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 14.30 Mbit/s
95th percentile per-packet one-way delay: 38.335 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 14.28 Mbit/s
95th percentile per-packet one-way delay: 38.163 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 39.778 ms
Loss rate: 0.67%
```

Run 8: Report of Sprout — Data Link

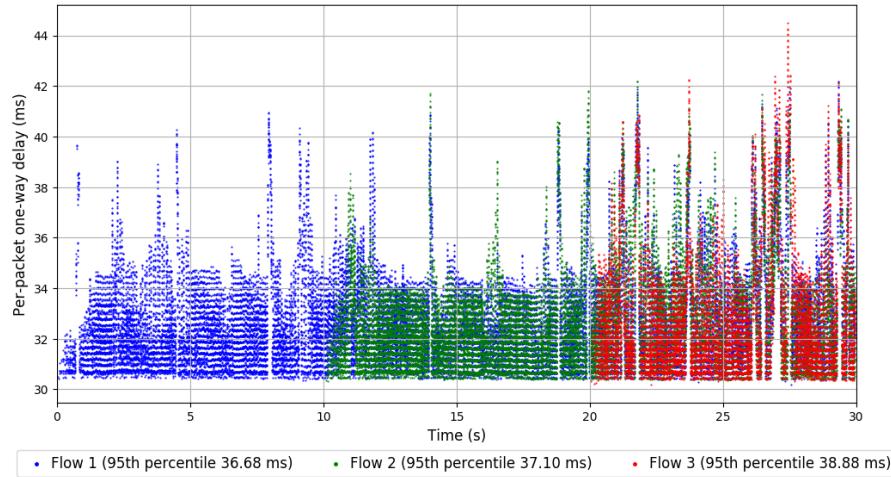
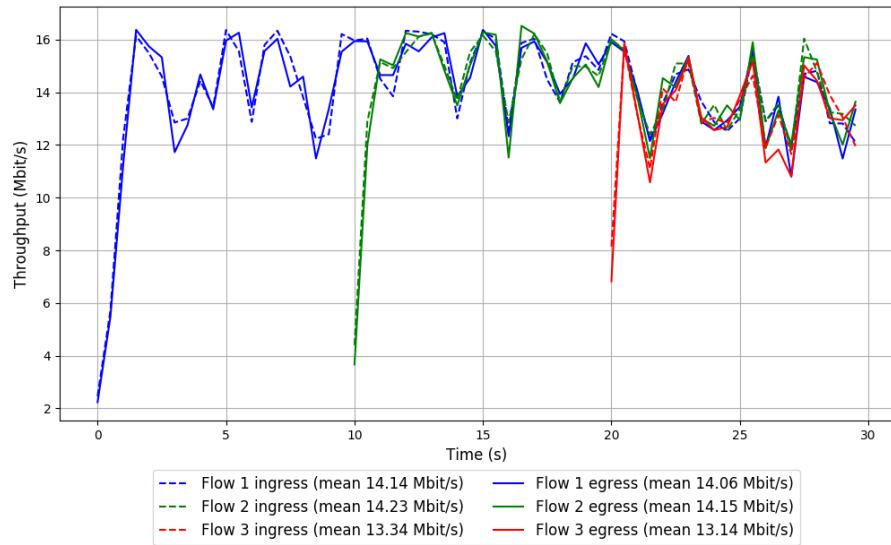


Run 9: Statistics of Sprout

```
Start at: 2018-02-20 17:27:52
End at: 2018-02-20 17:28:22
Local clock offset: 0.412 ms
Remote clock offset: -5.345 ms

# Below is generated by plot.py at 2018-02-20 18:54:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.81 Mbit/s
95th percentile per-packet one-way delay: 37.275 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 36.677 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 37.102 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 38.883 ms
Loss rate: 1.49%
```

Run 9: Report of Sprout — Data Link

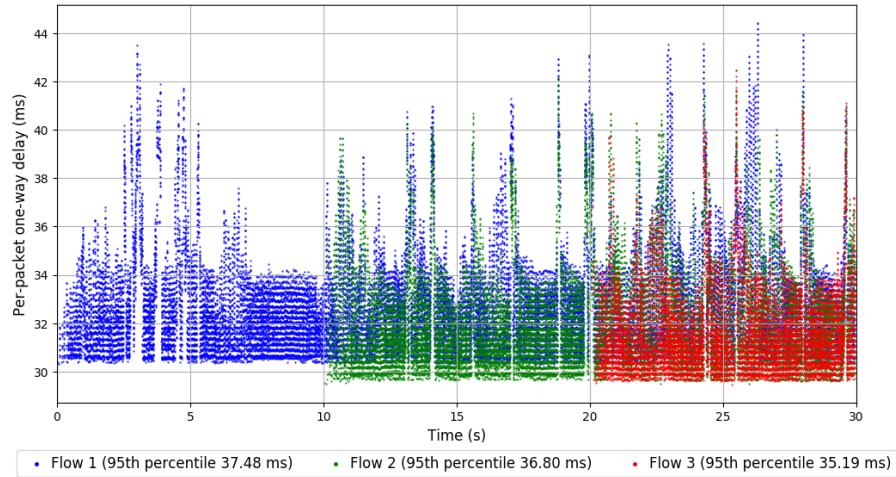
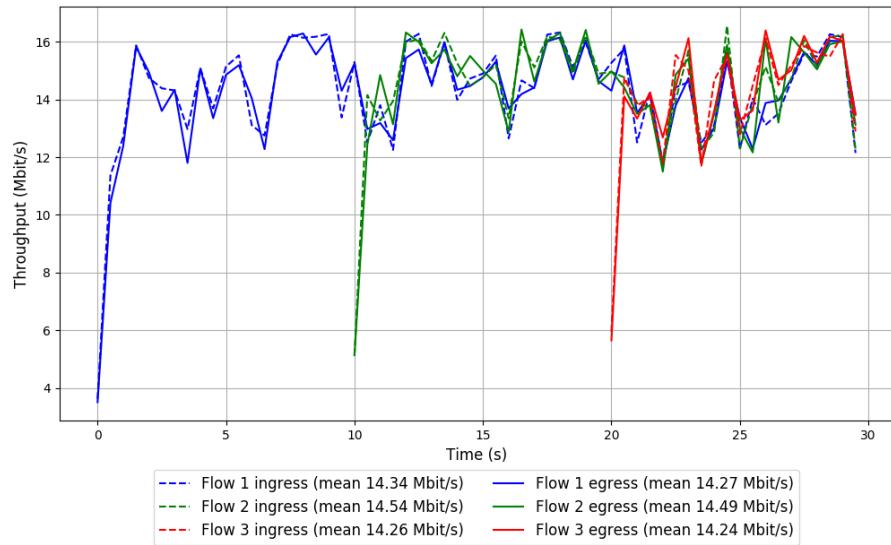


Run 10: Statistics of Sprout

```
Start at: 2018-02-20 17:54:57
End at: 2018-02-20 17:55:27
Local clock offset: -2.249 ms
Remote clock offset: -2.212 ms

# Below is generated by plot.py at 2018-02-20 18:54:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 36.902 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 37.485 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 36.795 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 14.24 Mbit/s
95th percentile per-packet one-way delay: 35.192 ms
Loss rate: 0.08%
```

Run 10: Report of Sprout — Data Link

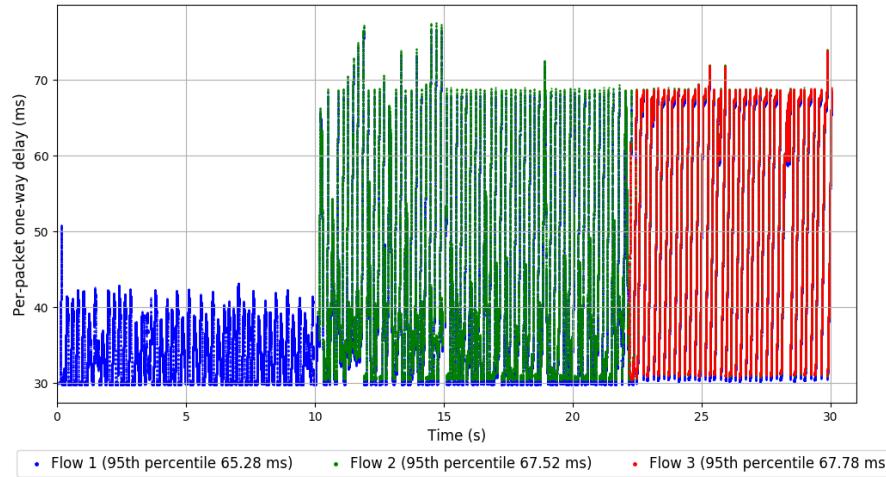
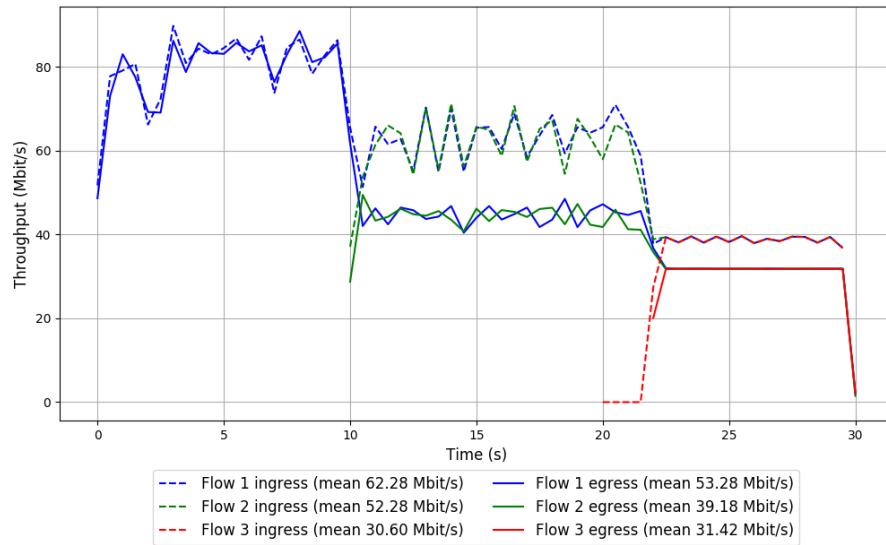


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-20 14:15:46
End at: 2018-02-20 14:16:16
Local clock offset: 1.68 ms
Remote clock offset: -0.302 ms

# Below is generated by plot.py at 2018-02-20 18:56:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 67.116 ms
Loss rate: 18.14%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 65.283 ms
Loss rate: 14.35%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 67.521 ms
Loss rate: 24.97%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 67.784 ms
Loss rate: 17.92%
```

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

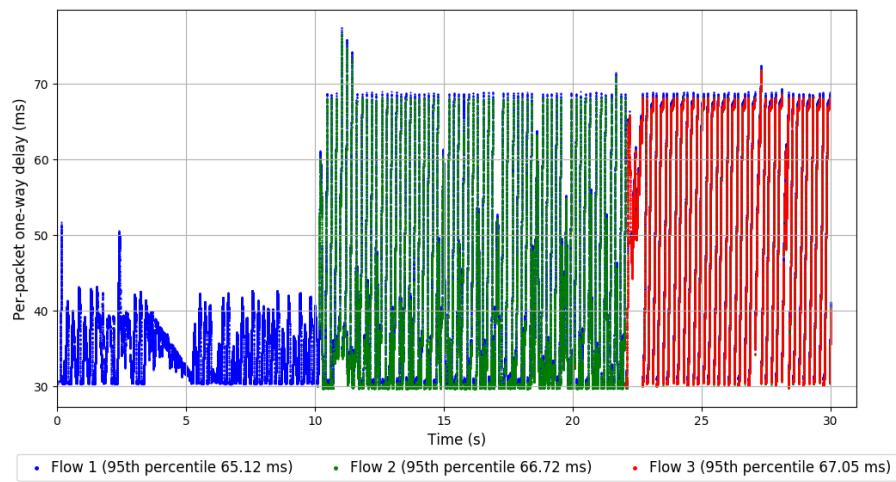
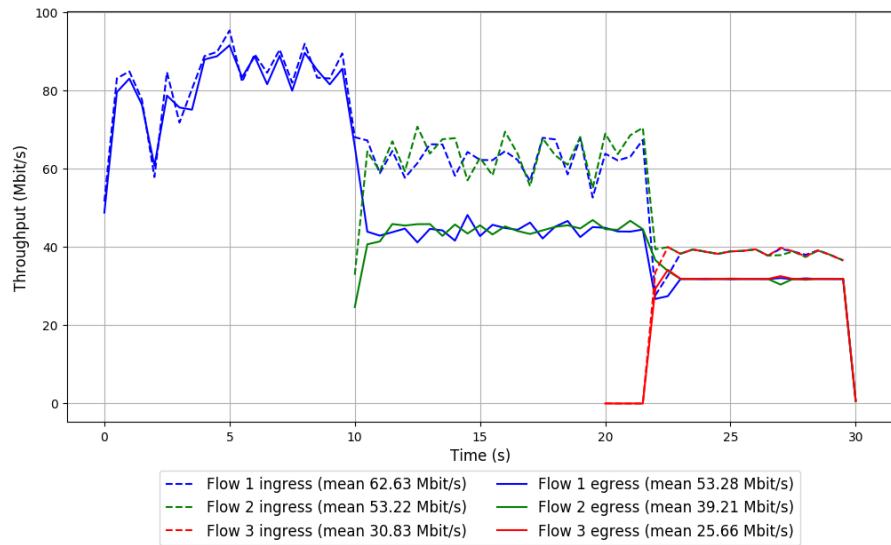


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-20 14:41:58
End at: 2018-02-20 14:42:28
Local clock offset: 1.485 ms
Remote clock offset: -1.64 ms

# Below is generated by plot.py at 2018-02-20 18:56:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 66.765 ms
Loss rate: 18.80%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 65.123 ms
Loss rate: 14.90%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 66.719 ms
Loss rate: 26.31%
-- Flow 3:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 67.047 ms
Loss rate: 16.68%
```

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

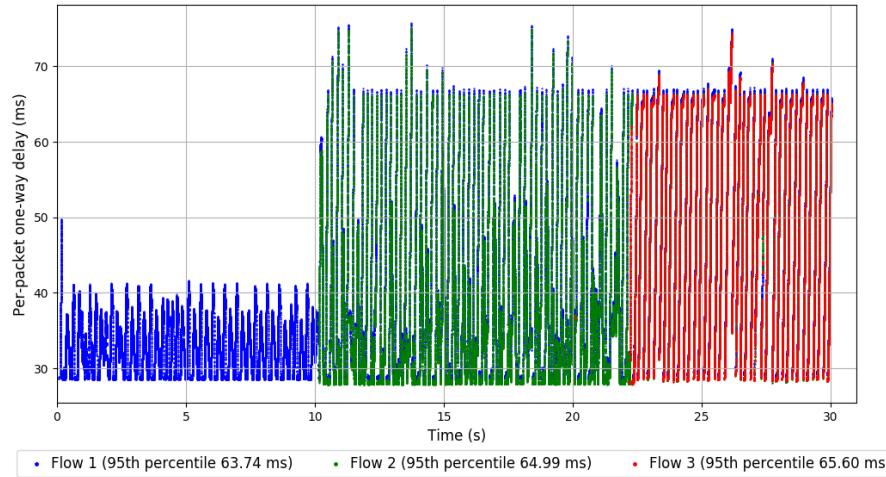
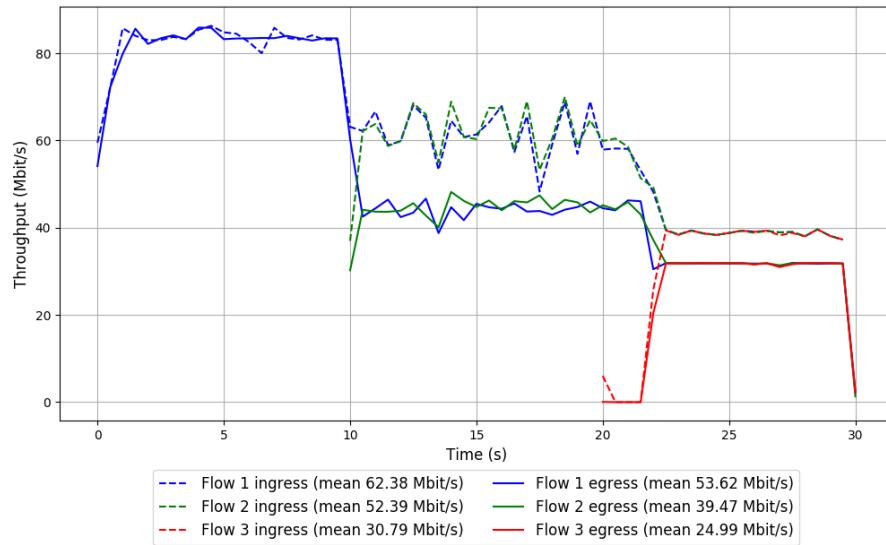


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-20 15:08:07
End at: 2018-02-20 15:08:37
Local clock offset: 1.175 ms
Remote clock offset: -5.874 ms

# Below is generated by plot.py at 2018-02-20 18:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 64.997 ms
Loss rate: 17.83%
-- Flow 1:
Average throughput: 53.62 Mbit/s
95th percentile per-packet one-way delay: 63.739 ms
Loss rate: 13.94%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 64.993 ms
Loss rate: 24.60%
-- Flow 3:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 65.601 ms
Loss rate: 18.53%
```

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

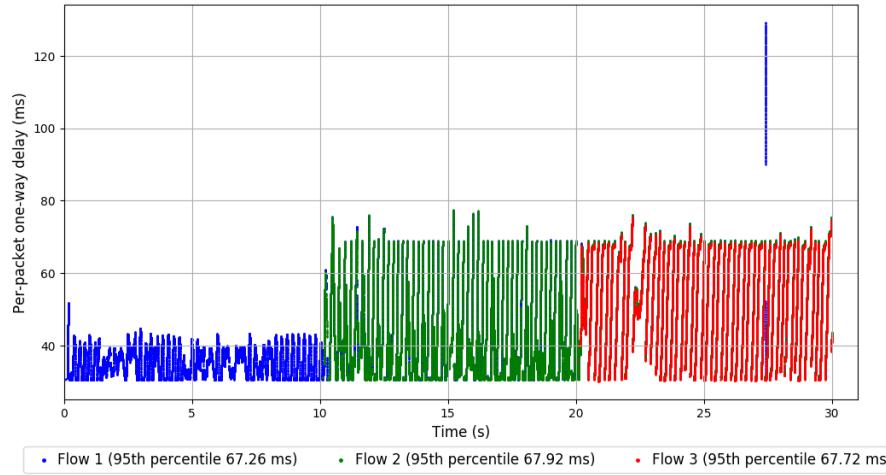
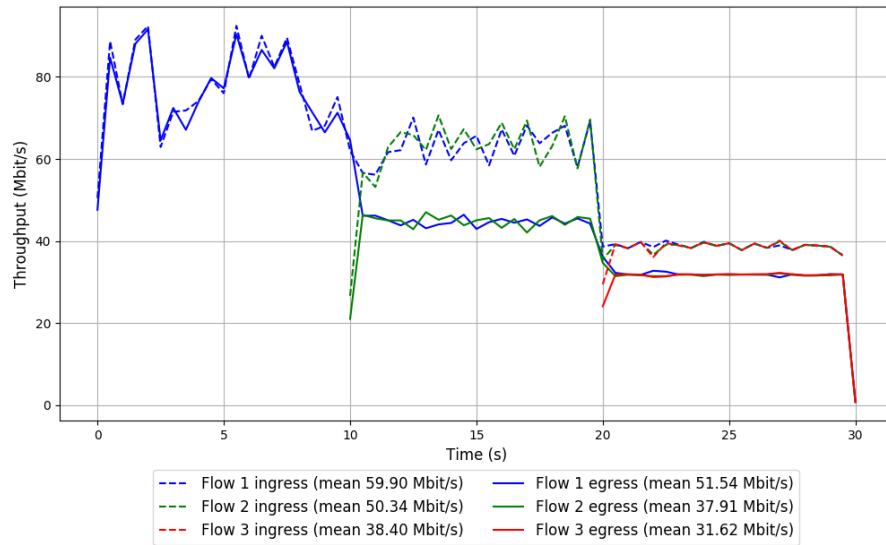


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-20 15:33:56
End at: 2018-02-20 15:34:26
Local clock offset: 1.806 ms
Remote clock offset: -6.746 ms

# Below is generated by plot.py at 2018-02-20 18:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 67.646 ms
Loss rate: 17.76%
-- Flow 1:
Average throughput: 51.54 Mbit/s
95th percentile per-packet one-way delay: 67.258 ms
Loss rate: 13.93%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 67.922 ms
Loss rate: 24.68%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 67.719 ms
Loss rate: 17.62%
```

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

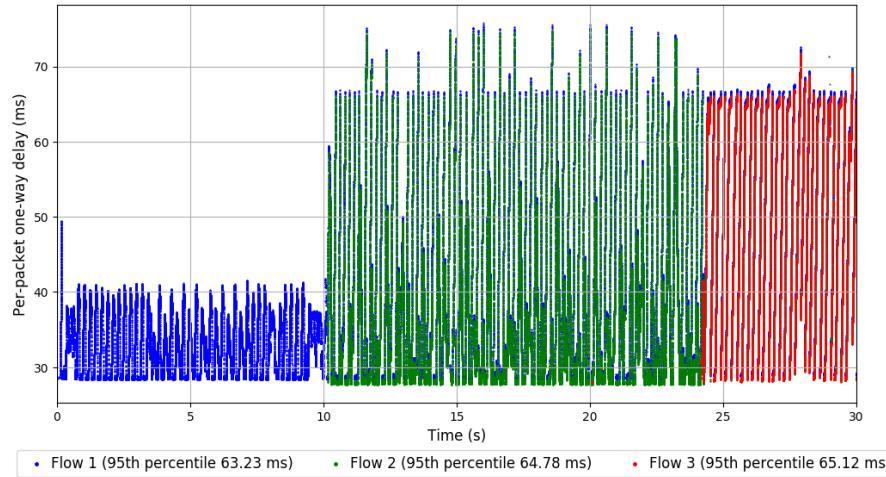
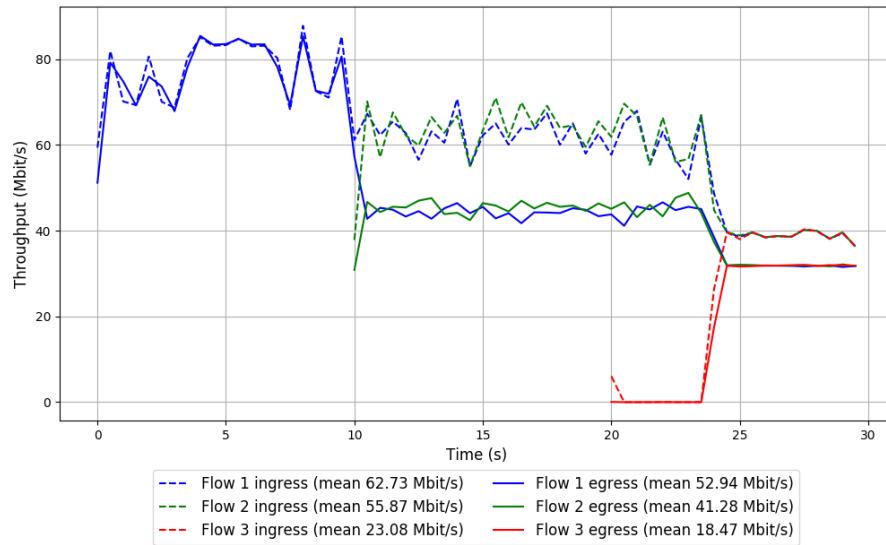


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-20 15:58:58
End at: 2018-02-20 15:59:28
Local clock offset: 2.823 ms
Remote clock offset: -6.248 ms

# Below is generated by plot.py at 2018-02-20 18:56:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 64.744 ms
Loss rate: 19.55%
-- Flow 1:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 63.227 ms
Loss rate: 15.60%
-- Flow 2:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 64.780 ms
Loss rate: 26.13%
-- Flow 3:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 65.123 ms
Loss rate: 19.95%
```

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

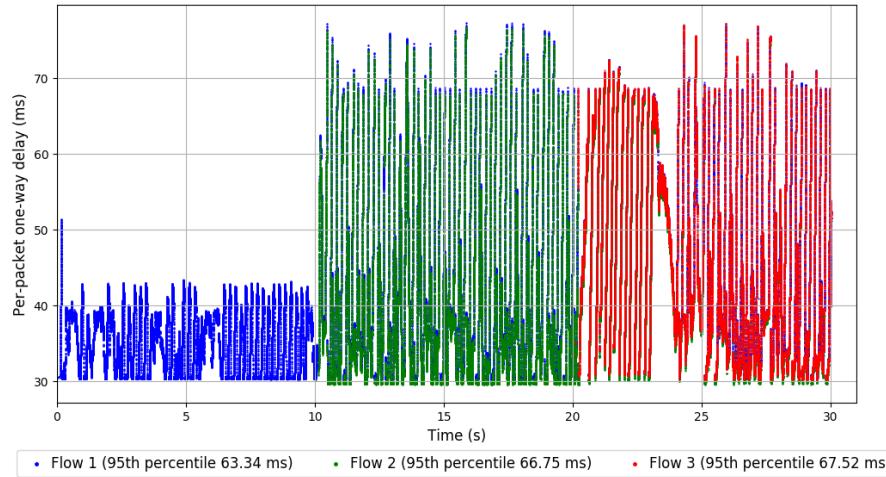
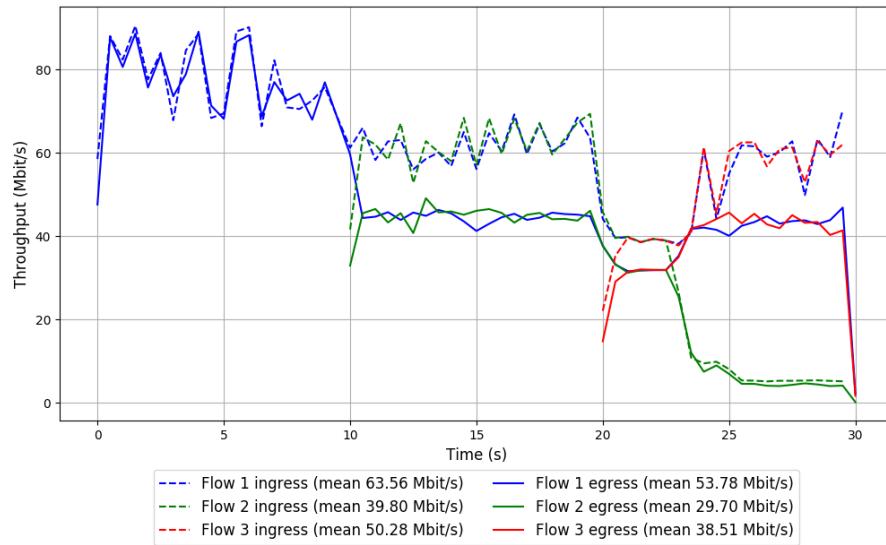


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-20 16:23:50
End at: 2018-02-20 16:24:20
Local clock offset: -3.348 ms
Remote clock offset: -3.006 ms

# Below is generated by plot.py at 2018-02-20 18:56:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 65.732 ms
Loss rate: 19.04%
-- Flow 1:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: 63.339 ms
Loss rate: 15.33%
-- Flow 2:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 66.745 ms
Loss rate: 25.30%
-- Flow 3:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 67.524 ms
Loss rate: 23.26%
```

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

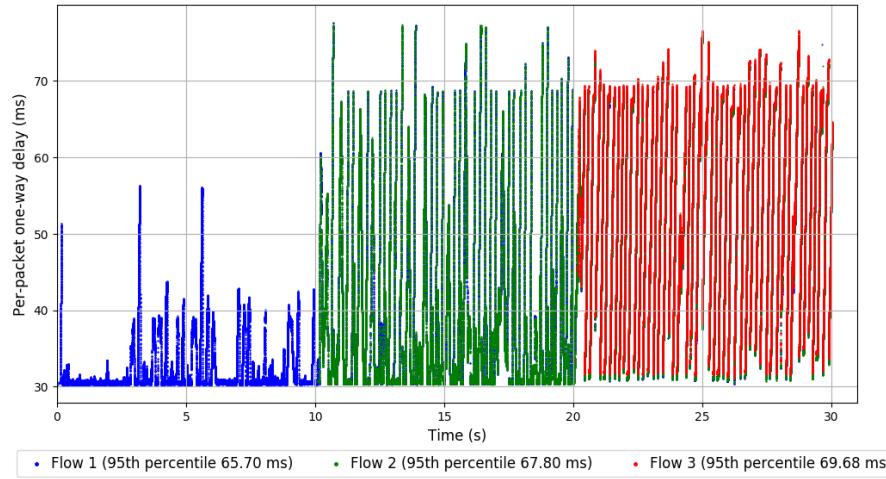
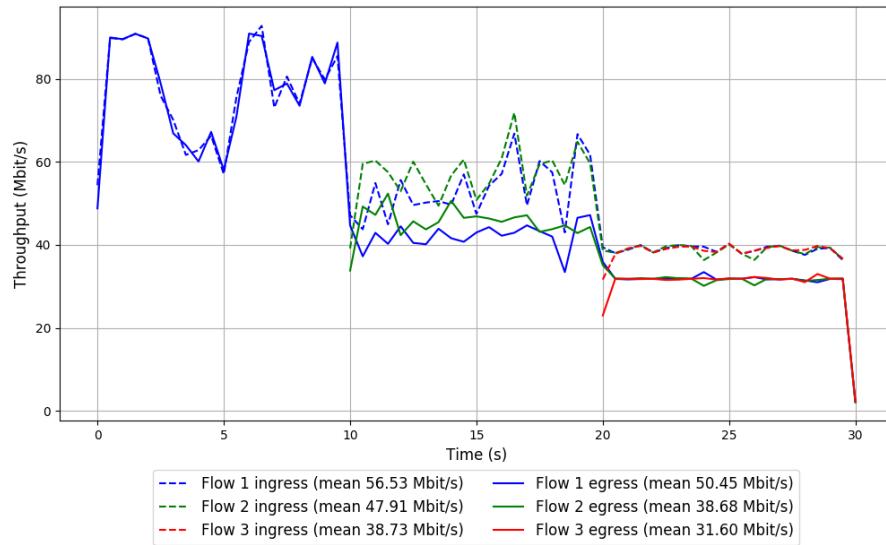


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-20 16:52:10
End at: 2018-02-20 16:52:40
Local clock offset: -5.187 ms
Remote clock offset: -6.784 ms

# Below is generated by plot.py at 2018-02-20 18:56:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 67.499 ms
Loss rate: 14.28%
-- Flow 1:
Average throughput: 50.45 Mbit/s
95th percentile per-packet one-way delay: 65.702 ms
Loss rate: 10.66%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 67.803 ms
Loss rate: 19.13%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 69.679 ms
Loss rate: 18.16%
```

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

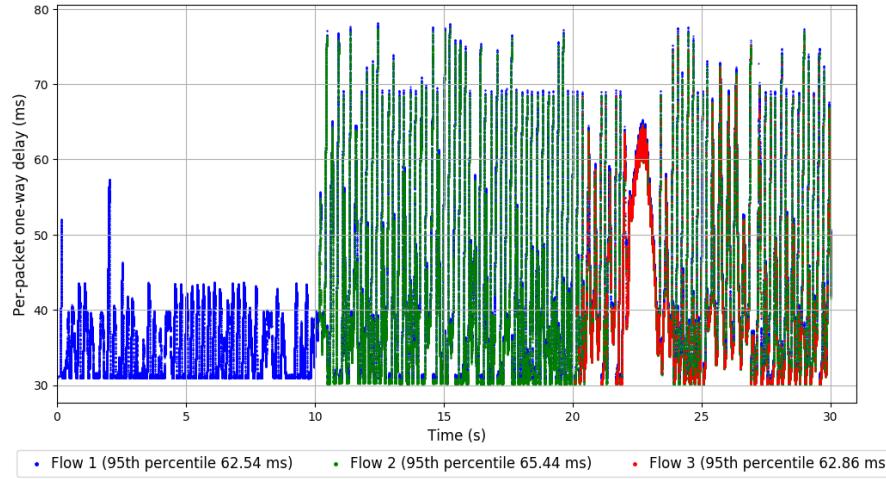
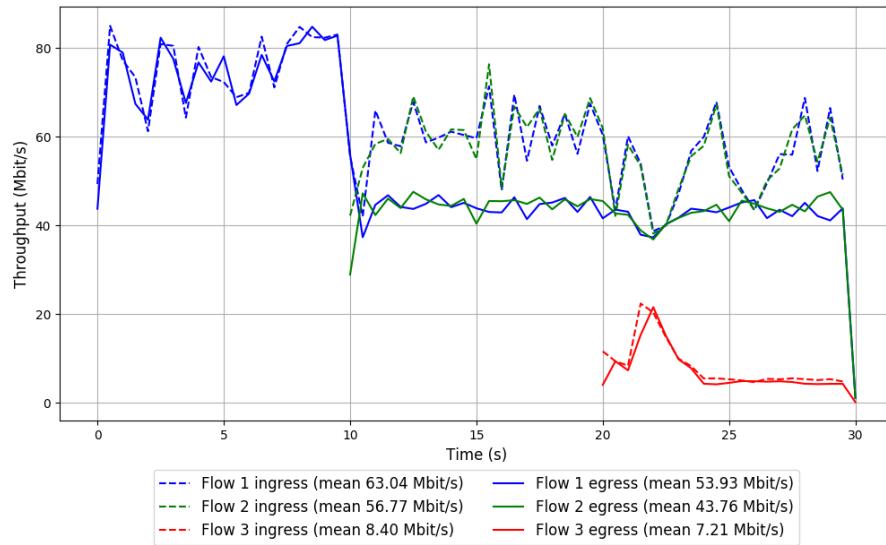


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-20 17:19:16
End at: 2018-02-20 17:19:46
Local clock offset: -1.854 ms
Remote clock offset: -9.708 ms

# Below is generated by plot.py at 2018-02-20 18:57:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 63.704 ms
Loss rate: 17.51%
-- Flow 1:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 62.544 ms
Loss rate: 14.42%
-- Flow 2:
Average throughput: 43.76 Mbit/s
95th percentile per-packet one-way delay: 65.445 ms
Loss rate: 22.91%
-- Flow 3:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 62.857 ms
Loss rate: 14.03%
```

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

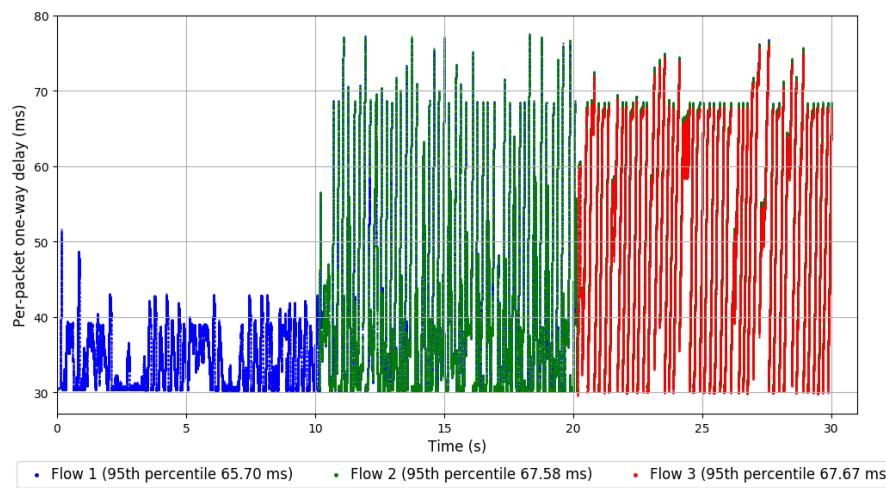
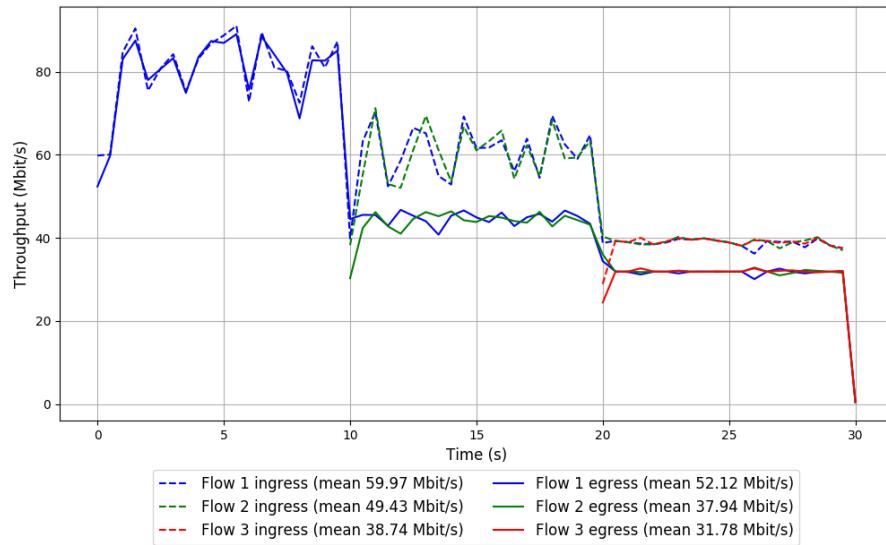


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-20 17:46:06
End at: 2018-02-20 17:46:36
Local clock offset: 1.389 ms
Remote clock offset: -2.081 ms

# Below is generated by plot.py at 2018-02-20 18:59:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 67.173 ms
Loss rate: 16.84%
-- Flow 1:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 65.700 ms
Loss rate: 13.08%
-- Flow 2:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 67.580 ms
Loss rate: 23.26%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 67.674 ms
Loss rate: 17.97%
```

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

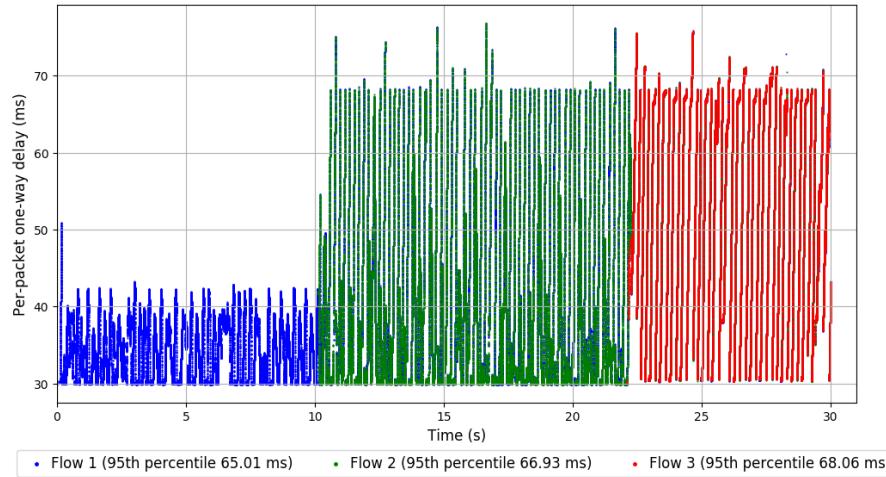
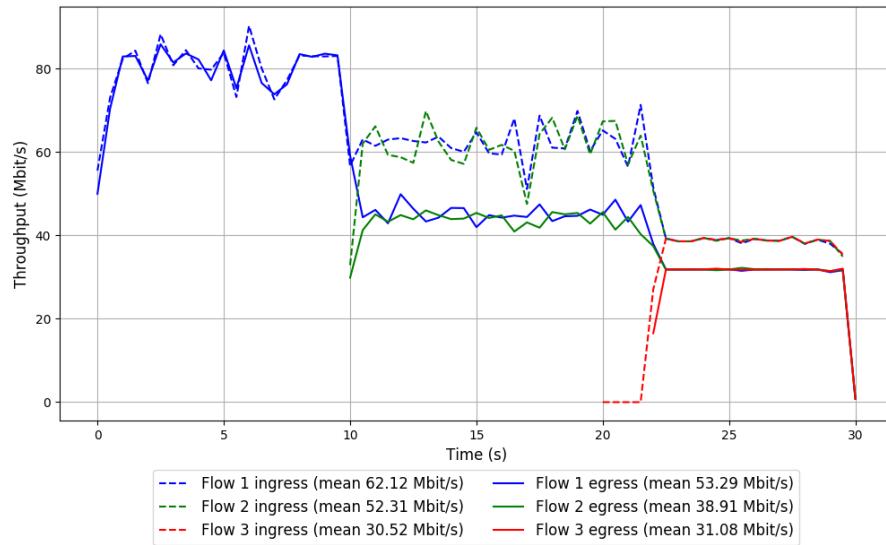


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-20 18:13:45
End at: 2018-02-20 18:14:15
Local clock offset: -5.09 ms
Remote clock offset: -3.047 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 18.30%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 65.006 ms
Loss rate: 14.18%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 66.932 ms
Loss rate: 25.58%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 68.061 ms
Loss rate: 18.52%
```

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

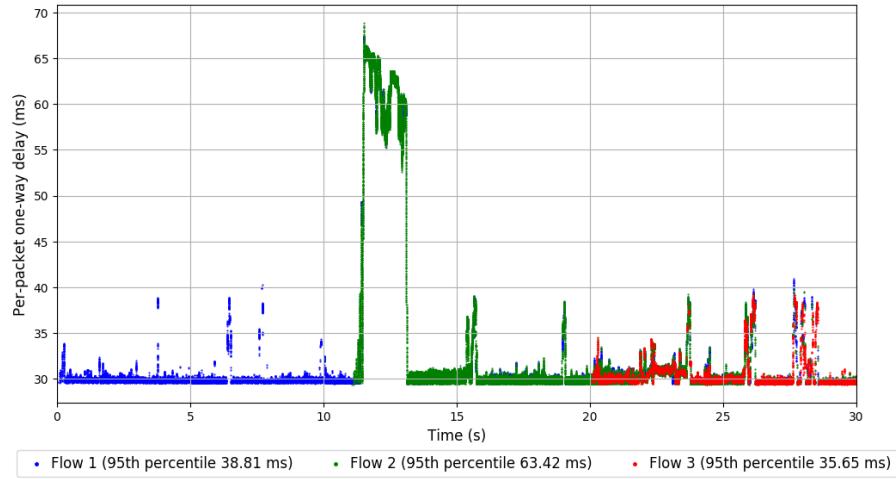
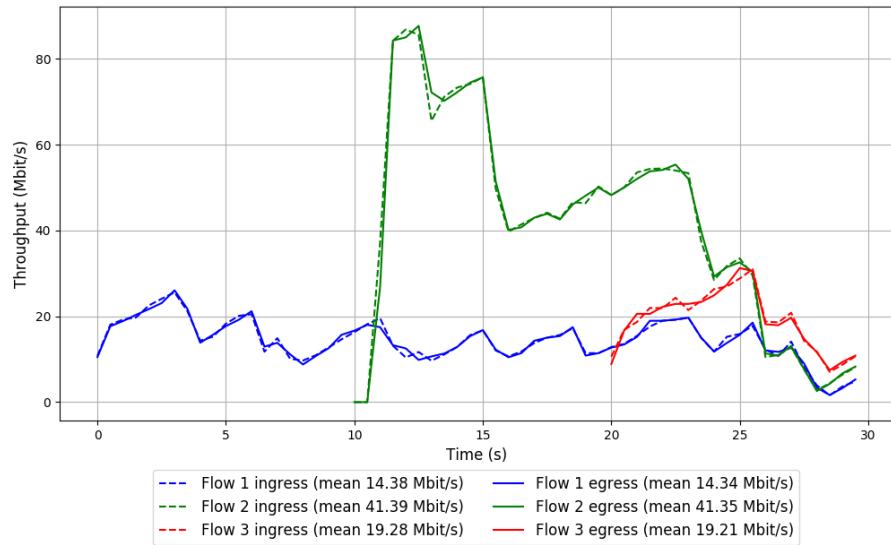


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-20 13:56:18
End at: 2018-02-20 13:56:48
Local clock offset: 2.494 ms
Remote clock offset: -2.275 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 62.369 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 38.815 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 41.35 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 35.653 ms
Loss rate: 0.37%
```

Run 1: Report of TCP Vegas — Data Link

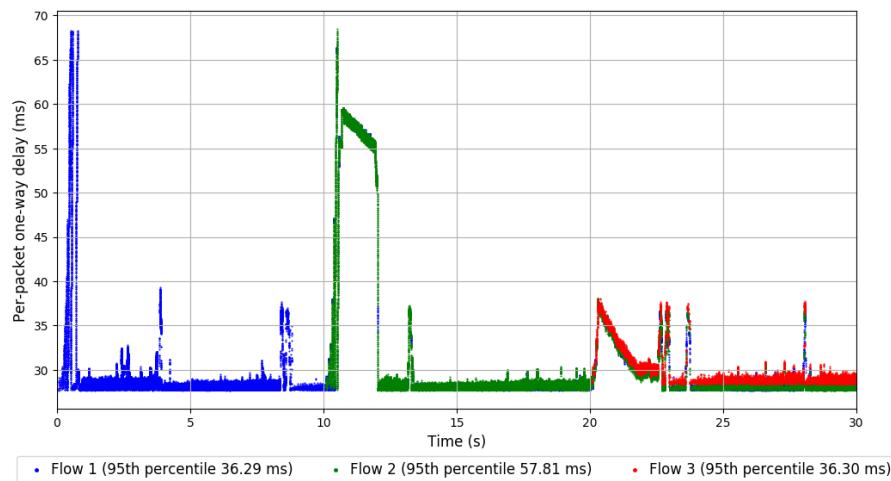
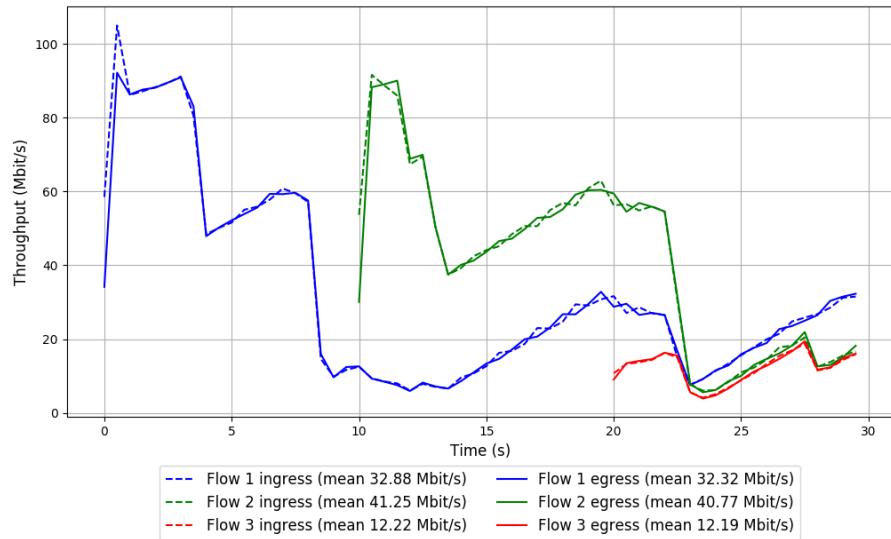


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-20 14:23:01
End at: 2018-02-20 14:23:31
Local clock offset: 1.644 ms
Remote clock offset: -2.204 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 56.399 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 36.290 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 57.811 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 36.296 ms
Loss rate: 0.21%
```

Run 2: Report of TCP Vegas — Data Link

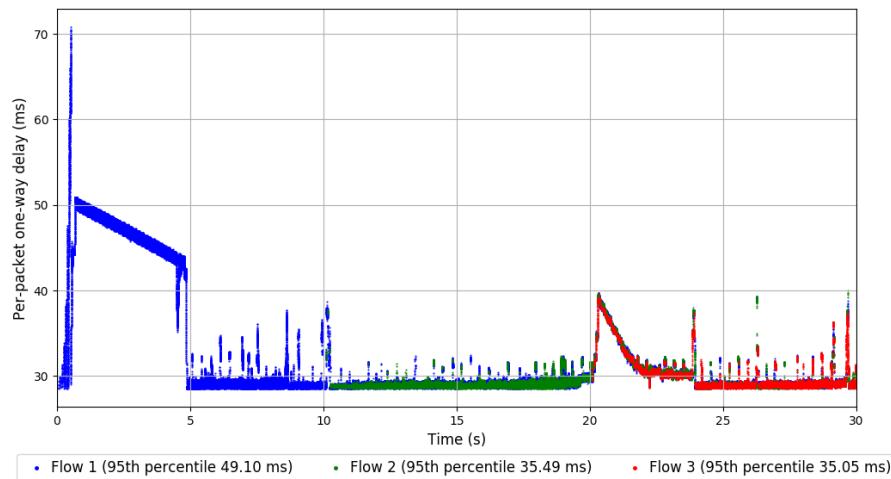
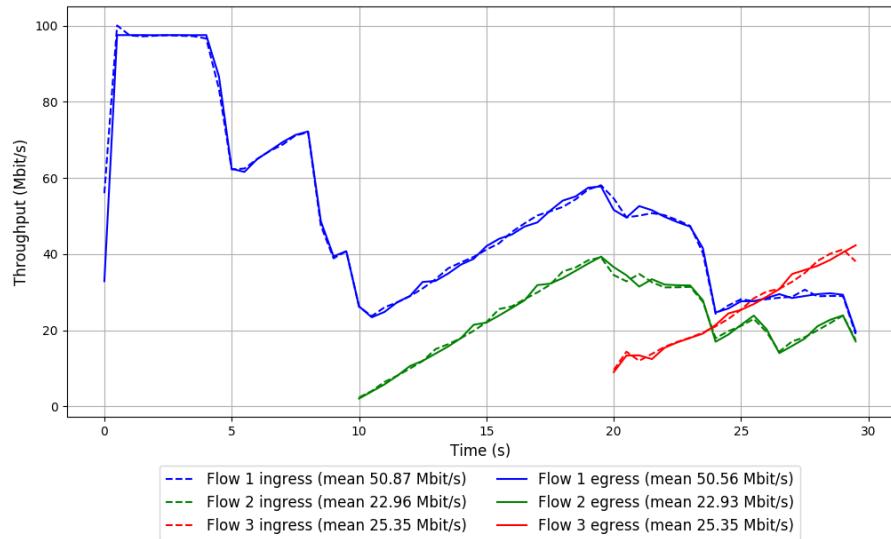


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-20 14:49:08
End at: 2018-02-20 14:49:38
Local clock offset: 1.494 ms
Remote clock offset: -4.044 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.24 Mbit/s
95th percentile per-packet one-way delay: 48.457 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 50.56 Mbit/s
95th percentile per-packet one-way delay: 49.104 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 35.486 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 35.049 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

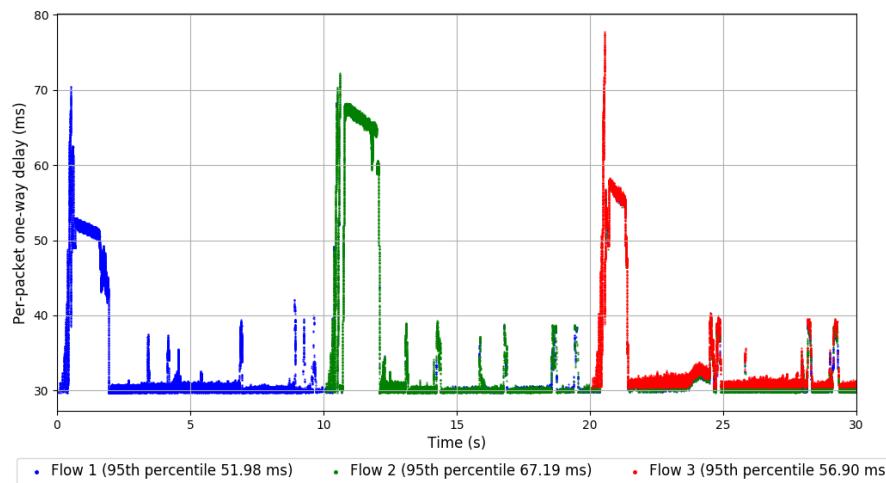
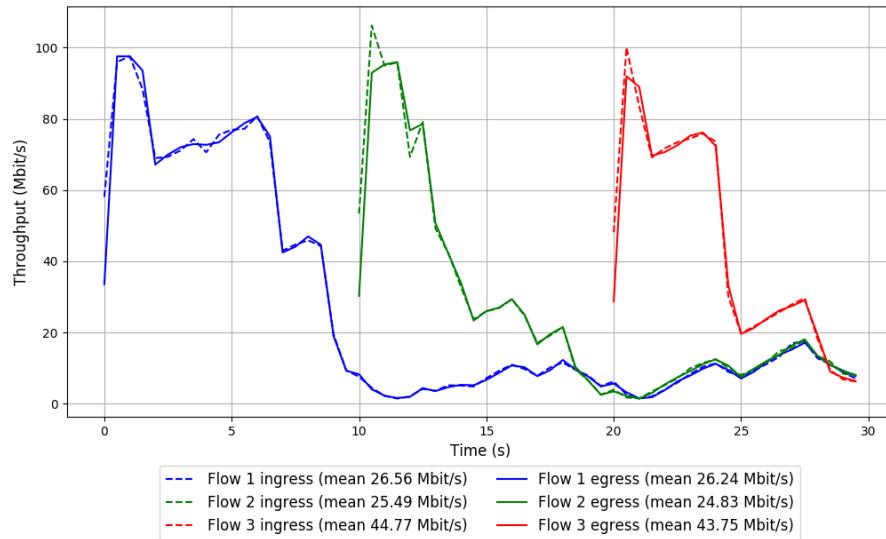


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-20 15:15:09
End at: 2018-02-20 15:15:39
Local clock offset: 1.249 ms
Remote clock offset: -4.807 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 65.717 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 26.24 Mbit/s
95th percentile per-packet one-way delay: 51.979 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 67.191 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 43.75 Mbit/s
95th percentile per-packet one-way delay: 56.903 ms
Loss rate: 2.26%
```

Run 4: Report of TCP Vegas — Data Link

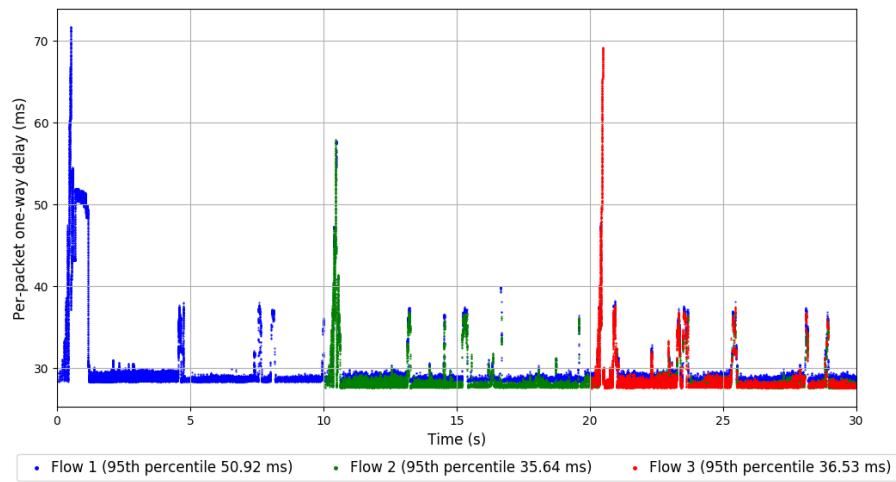
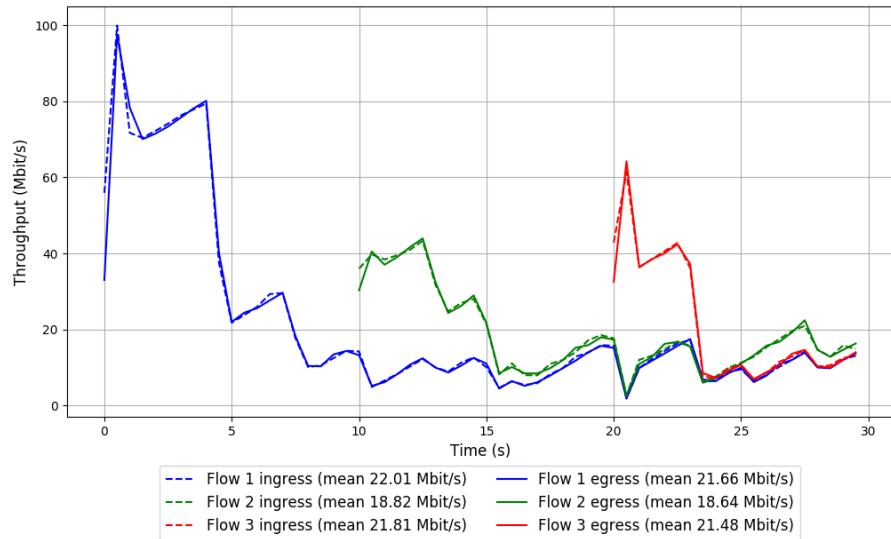


Run 5: Statistics of TCP Vegas

```
Start at: 2018-02-20 15:40:47
End at: 2018-02-20 15:41:17
Local clock offset: 2.213 ms
Remote clock offset: -7.669 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 49.027 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 50.917 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 18.64 Mbit/s
95th percentile per-packet one-way delay: 35.642 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 36.527 ms
Loss rate: 1.49%
```

Run 5: Report of TCP Vegas — Data Link

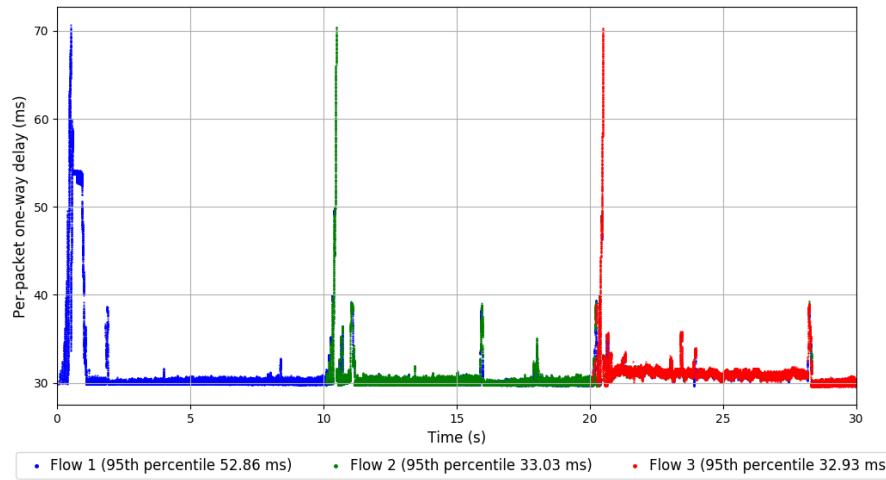
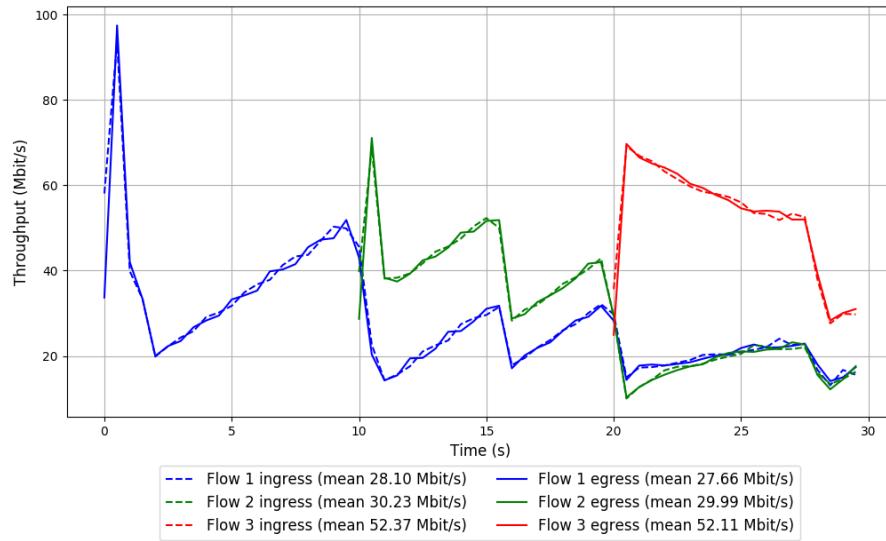


Run 6: Statistics of TCP Vegas

```
Start at: 2018-02-20 16:05:44
End at: 2018-02-20 16:06:14
Local clock offset: 1.255 ms
Remote clock offset: -3.472 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.92 Mbit/s
95th percentile per-packet one-way delay: 37.706 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 52.863 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 33.035 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 52.11 Mbit/s
95th percentile per-packet one-way delay: 32.929 ms
Loss rate: 0.50%
```

Run 6: Report of TCP Vegas — Data Link

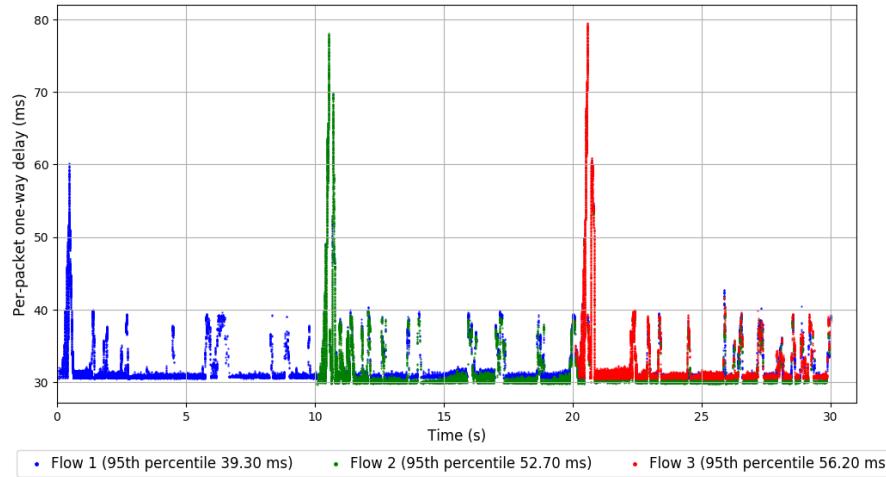
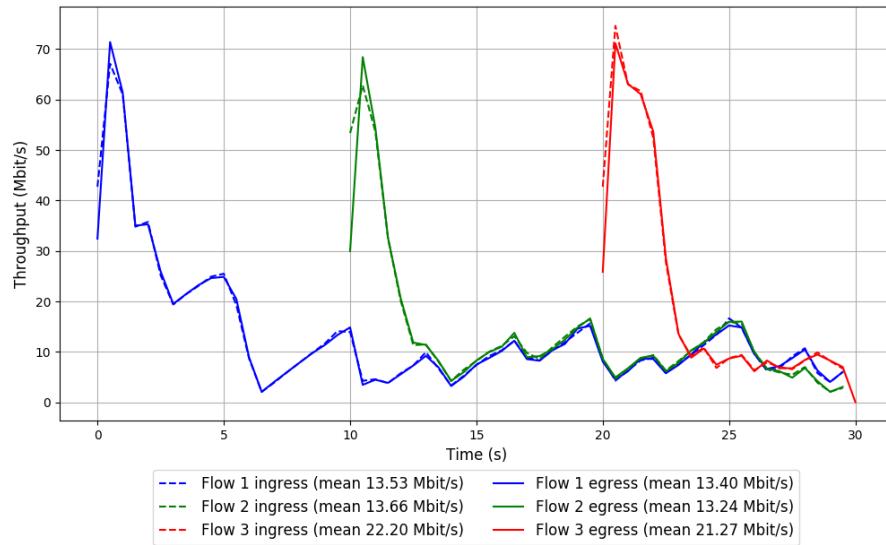


Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-20 16:30:47
End at: 2018-02-20 16:31:17
Local clock offset: -3.996 ms
Remote clock offset: -2.67 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 47.227 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 39.299 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 52.704 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 56.199 ms
Loss rate: 4.20%
```

Run 7: Report of TCP Vegas — Data Link

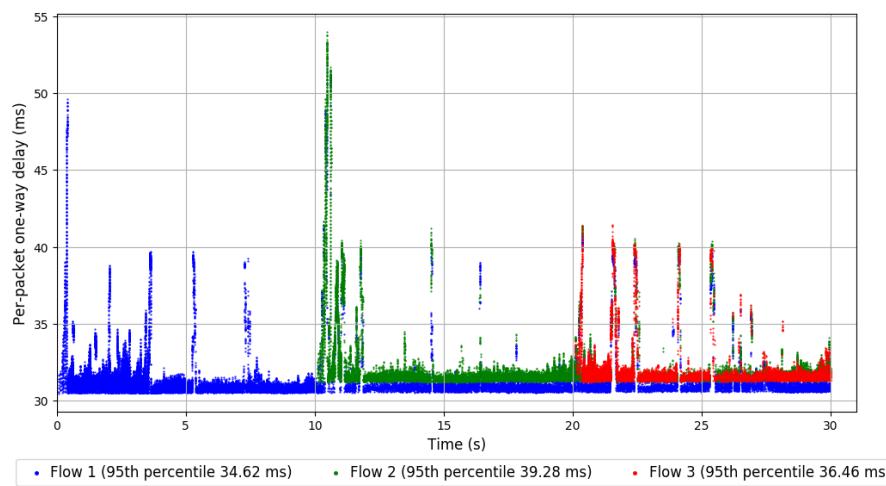
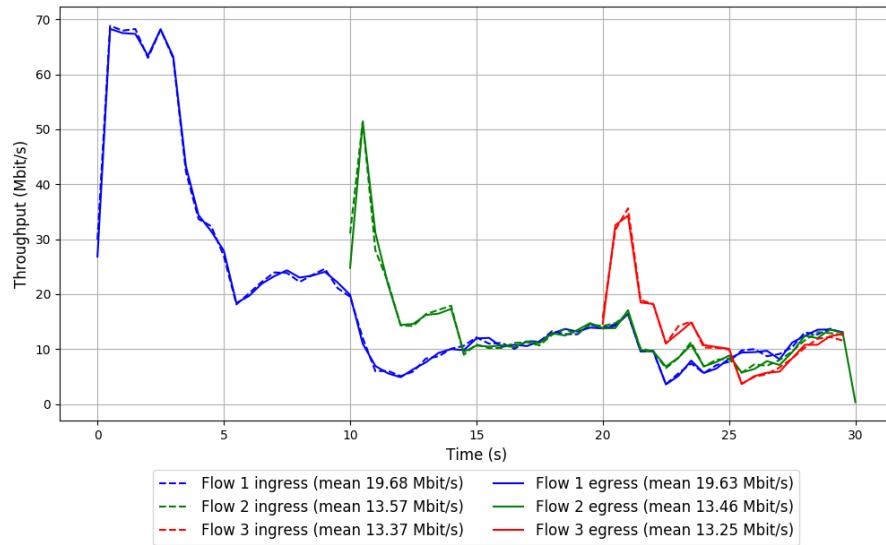


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-20 16:59:55
End at: 2018-02-20 17:00:25
Local clock offset: -5.672 ms
Remote clock offset: -8.521 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 36.766 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 34.618 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: 39.280 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 36.463 ms
Loss rate: 0.88%
```

Run 8: Report of TCP Vegas — Data Link

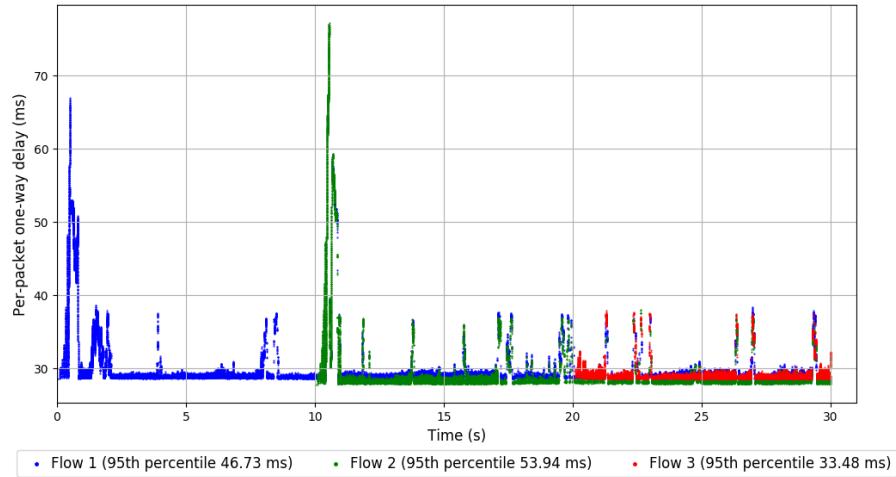
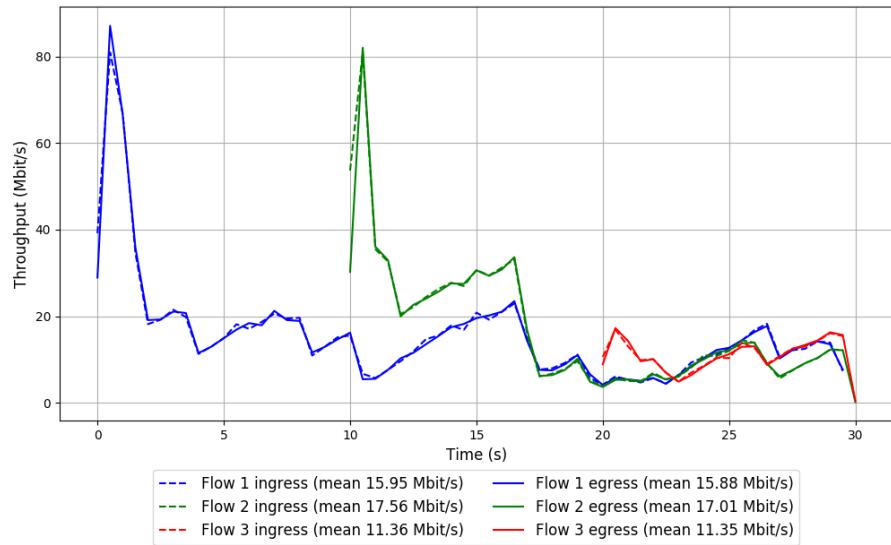


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-20 17:26:32
End at: 2018-02-20 17:27:02
Local clock offset: 0.104 ms
Remote clock offset: -7.718 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 49.739 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 46.731 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 53.942 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 11.35 Mbit/s
95th percentile per-packet one-way delay: 33.482 ms
Loss rate: 0.12%
```

Run 9: Report of TCP Vegas — Data Link

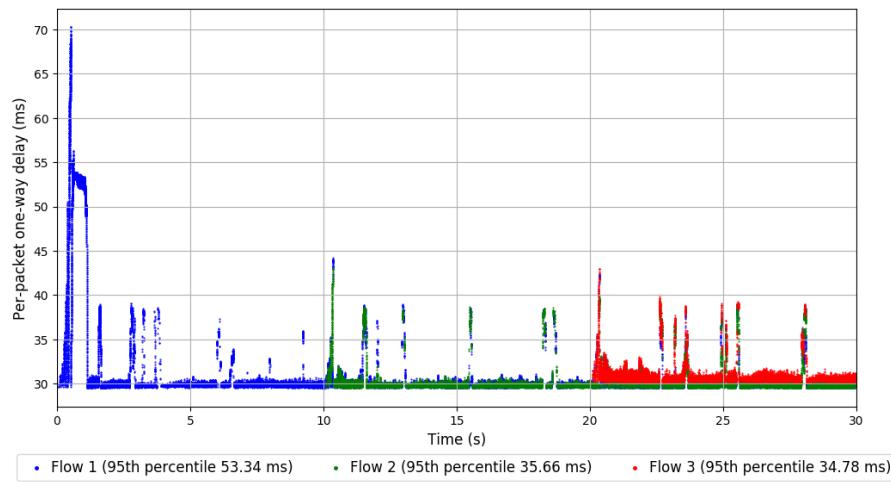
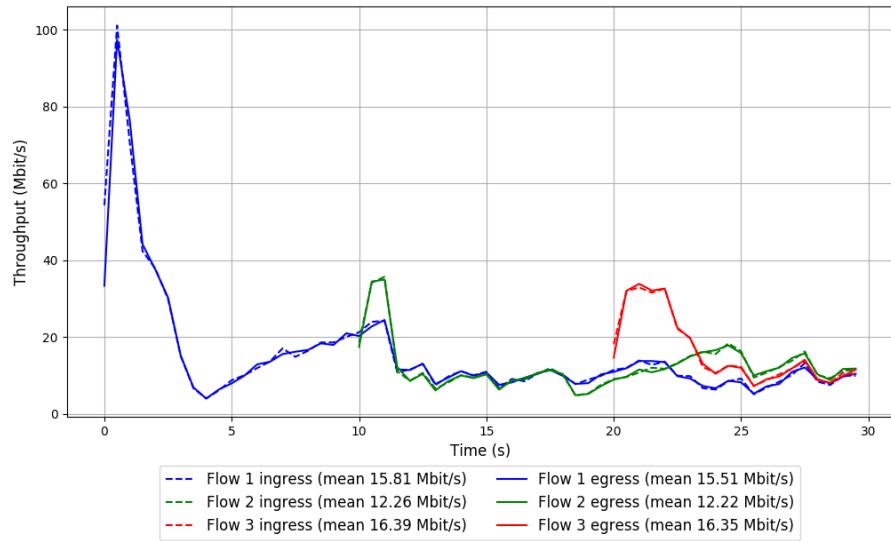


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-20 17:53:36
End at: 2018-02-20 17:54:06
Local clock offset: -1.809 ms
Remote clock offset: -2.085 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 52.597 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 53.342 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 35.663 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 34.781 ms
Loss rate: 0.29%
```

Run 10: Report of TCP Vegas — Data Link

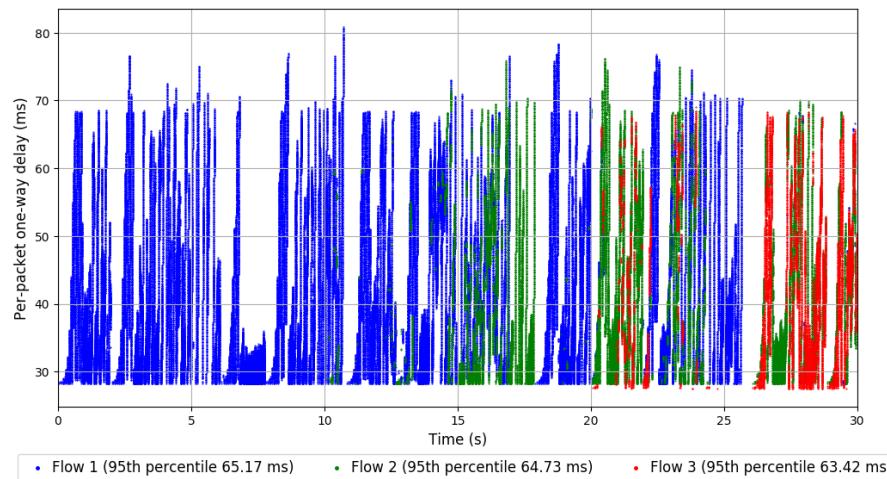
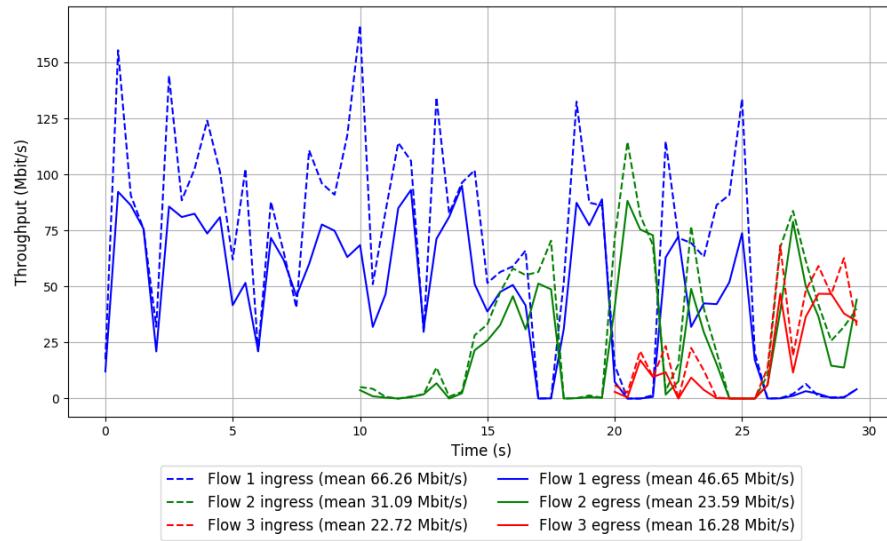


Run 1: Statistics of Verus

```
Start at: 2018-02-20 14:08:38
End at: 2018-02-20 14:09:08
Local clock offset: 1.691 ms
Remote clock offset: -2.834 ms

# Below is generated by plot.py at 2018-02-20 18:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.70 Mbit/s
95th percentile per-packet one-way delay: 64.890 ms
Loss rate: 28.26%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 65.170 ms
Loss rate: 29.55%
-- Flow 2:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 64.729 ms
Loss rate: 24.14%
-- Flow 3:
Average throughput: 16.28 Mbit/s
95th percentile per-packet one-way delay: 63.418 ms
Loss rate: 28.18%
```

Run 1: Report of Verus — Data Link

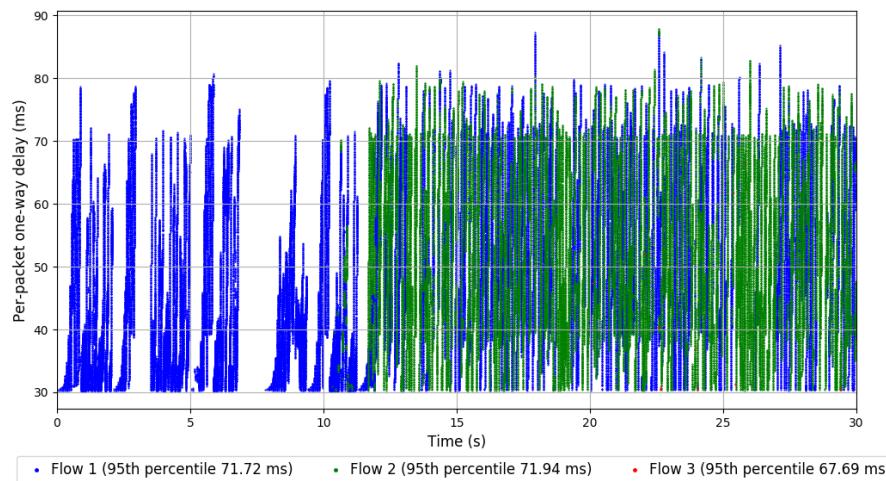
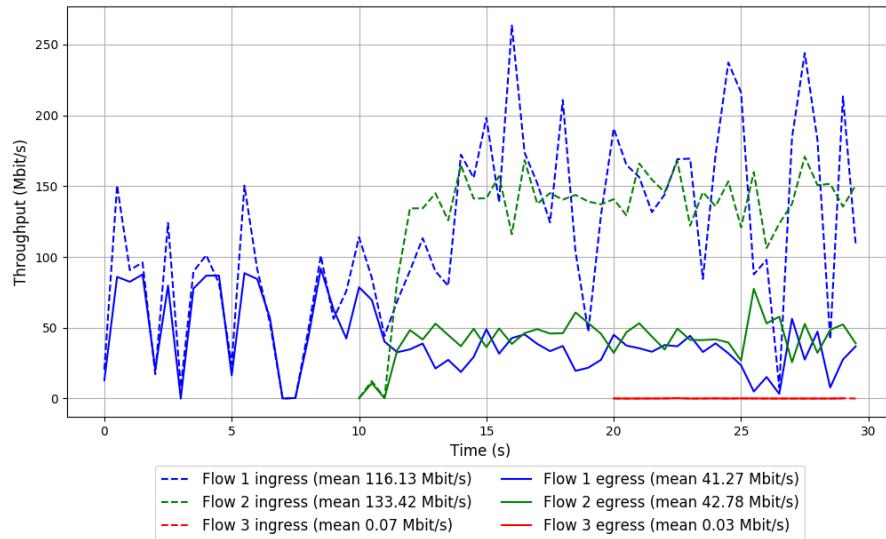


Run 2: Statistics of Verus

```
Start at: 2018-02-20 14:34:47
End at: 2018-02-20 14:35:17
Local clock offset: 1.443 ms
Remote clock offset: -0.543 ms

# Below is generated by plot.py at 2018-02-20 18:59:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.32 Mbit/s
95th percentile per-packet one-way delay: 71.806 ms
Loss rate: 65.92%
-- Flow 1:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 71.723 ms
Loss rate: 64.43%
-- Flow 2:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 71.939 ms
Loss rate: 67.91%
-- Flow 3:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 67.685 ms
Loss rate: 63.64%
```

Run 2: Report of Verus — Data Link

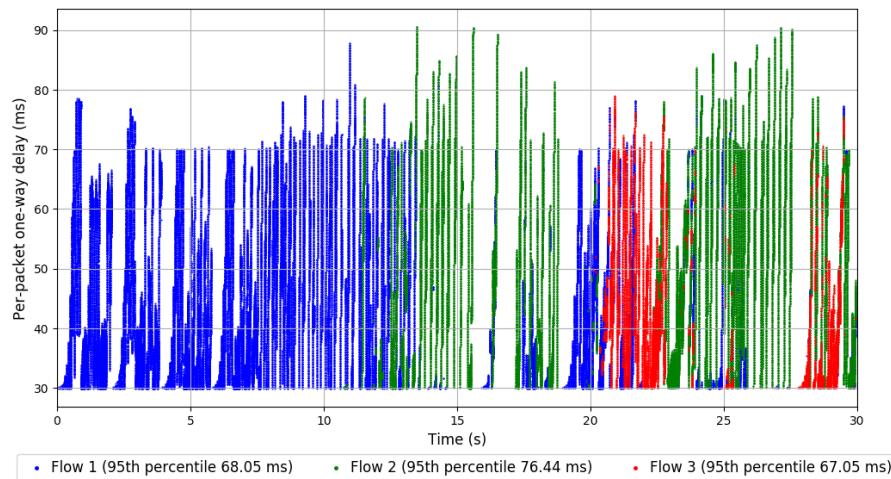
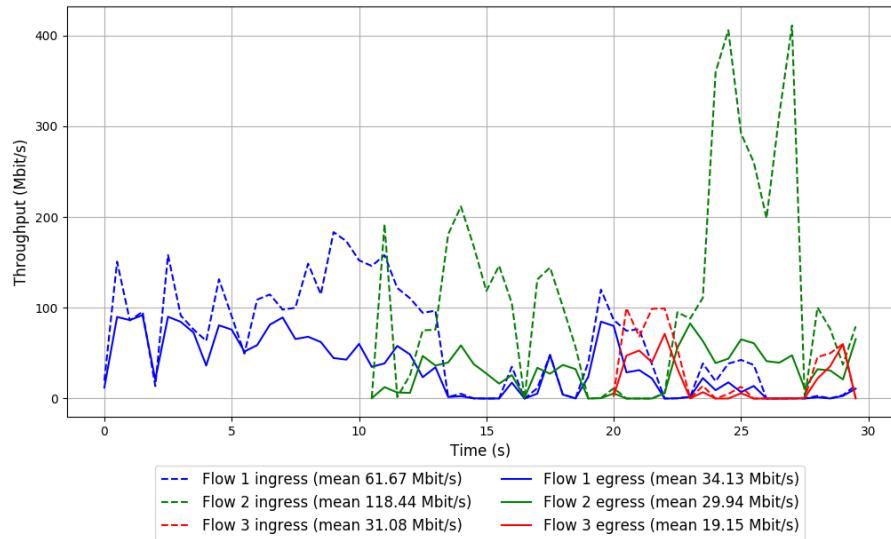


Run 3: Statistics of Verus

```
Start at: 2018-02-20 15:01:10
End at: 2018-02-20 15:01:40
Local clock offset: 1.338 ms
Remote clock offset: -2.641 ms

# Below is generated by plot.py at 2018-02-20 18:59:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 70.701 ms
Loss rate: 59.70%
-- Flow 1:
Average throughput: 34.13 Mbit/s
95th percentile per-packet one-way delay: 68.047 ms
Loss rate: 44.64%
-- Flow 2:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 76.444 ms
Loss rate: 74.70%
-- Flow 3:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 67.049 ms
Loss rate: 38.35%
```

Run 3: Report of Verus — Data Link

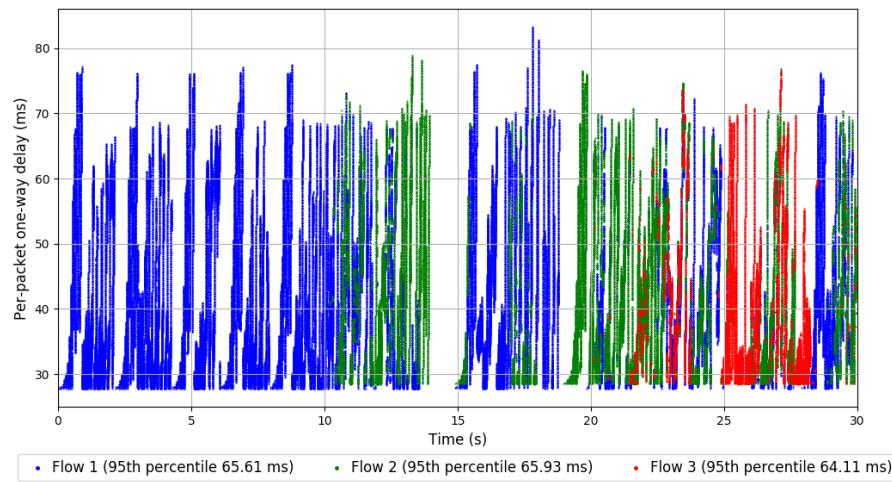
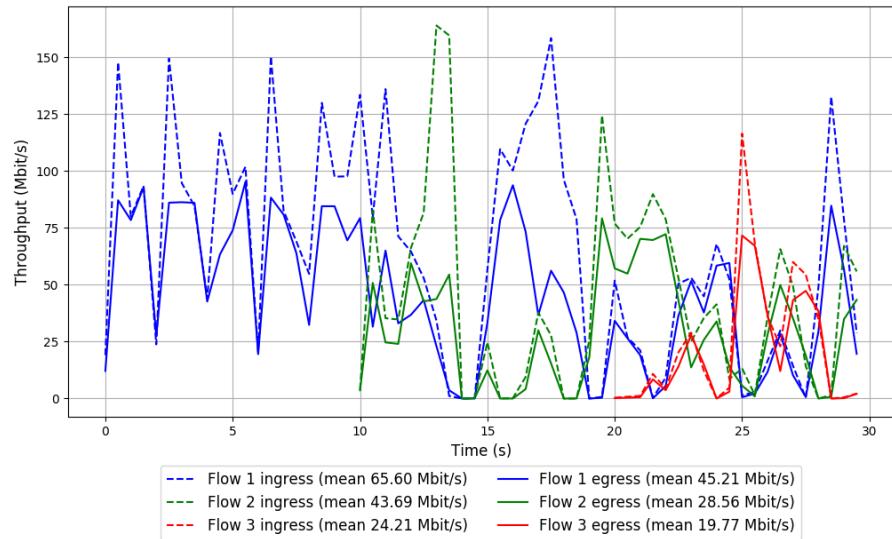


Run 4: Statistics of Verus

```
Start at: 2018-02-20 15:27:02
End at: 2018-02-20 15:27:32
Local clock offset: 1.333 ms
Remote clock offset: -8.093 ms

# Below is generated by plot.py at 2018-02-20 18:59:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 65.600 ms
Loss rate: 31.09%
-- Flow 1:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: 65.608 ms
Loss rate: 31.07%
-- Flow 2:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 65.934 ms
Loss rate: 34.67%
-- Flow 3:
Average throughput: 19.77 Mbit/s
95th percentile per-packet one-way delay: 64.111 ms
Loss rate: 18.30%
```

Run 4: Report of Verus — Data Link

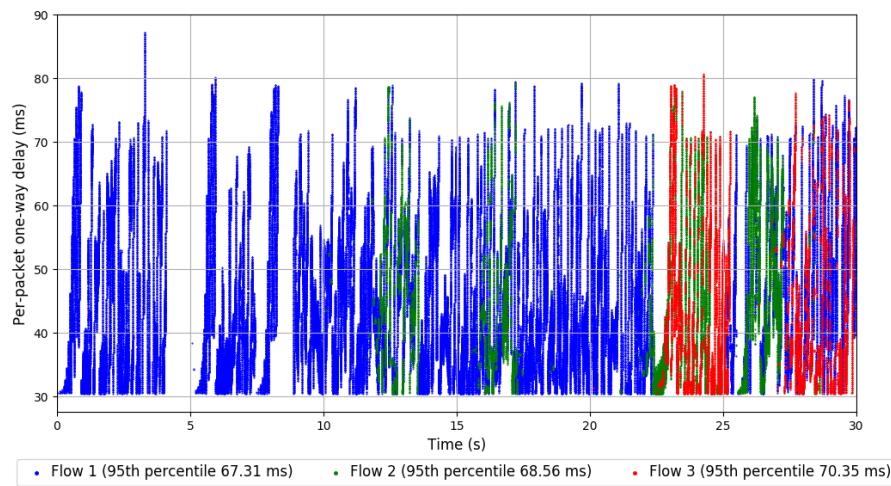
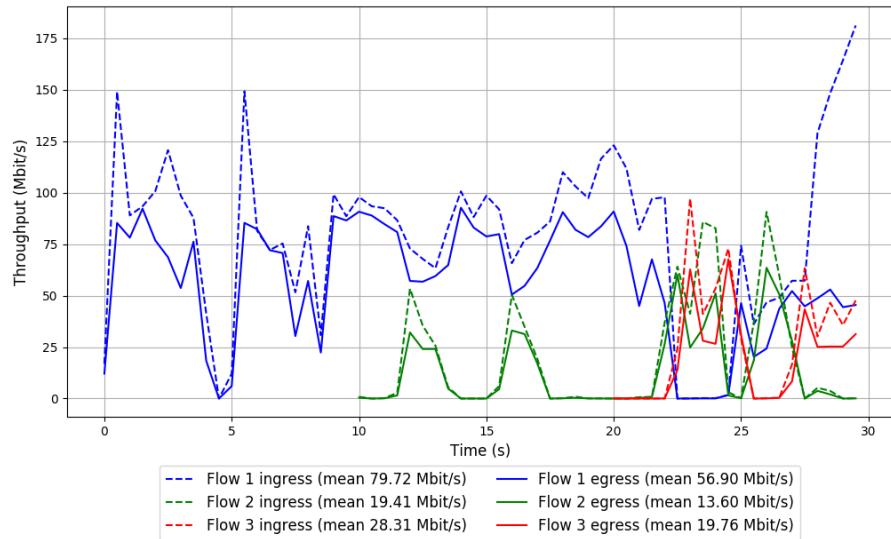


Run 5: Statistics of Verus

```
Start at: 2018-02-20 15:52:08
End at: 2018-02-20 15:52:38
Local clock offset: 2.622 ms
Remote clock offset: -4.534 ms

# Below is generated by plot.py at 2018-02-20 18:59:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 67.875 ms
Loss rate: 28.92%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 67.312 ms
Loss rate: 28.55%
-- Flow 2:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 68.557 ms
Loss rate: 30.17%
-- Flow 3:
Average throughput: 19.76 Mbit/s
95th percentile per-packet one-way delay: 70.347 ms
Loss rate: 30.34%
```

Run 5: Report of Verus — Data Link

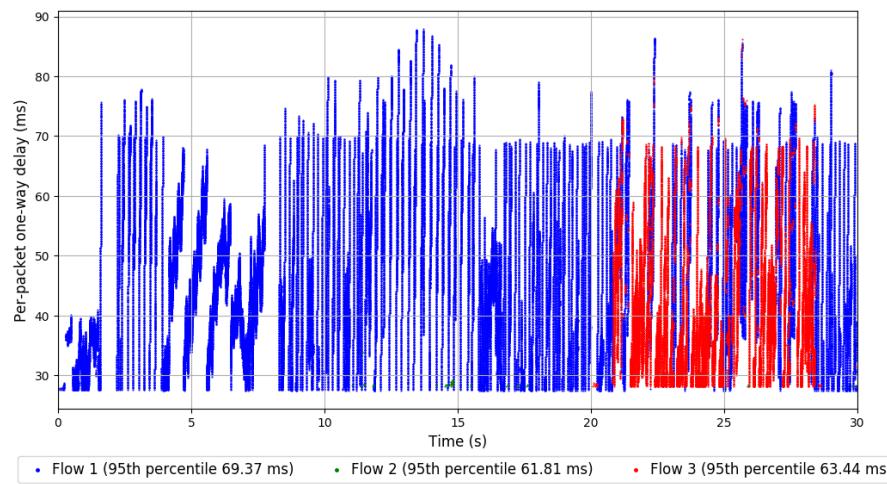
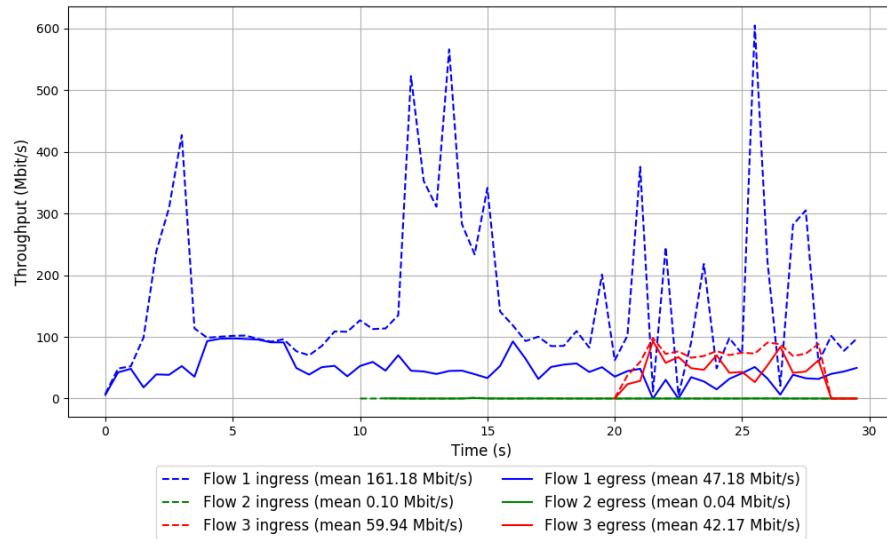


Run 6: Statistics of Verus

```
Start at: 2018-02-20 16:17:07
End at: 2018-02-20 16:17:37
Local clock offset: -2.466 ms
Remote clock offset: -5.49 ms

# Below is generated by plot.py at 2018-02-20 18:59:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 68.142 ms
Loss rate: 66.23%
-- Flow 1:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 69.374 ms
Loss rate: 70.73%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 61.812 ms
Loss rate: 58.54%
-- Flow 3:
Average throughput: 42.17 Mbit/s
95th percentile per-packet one-way delay: 63.437 ms
Loss rate: 29.62%
```

Run 6: Report of Verus — Data Link

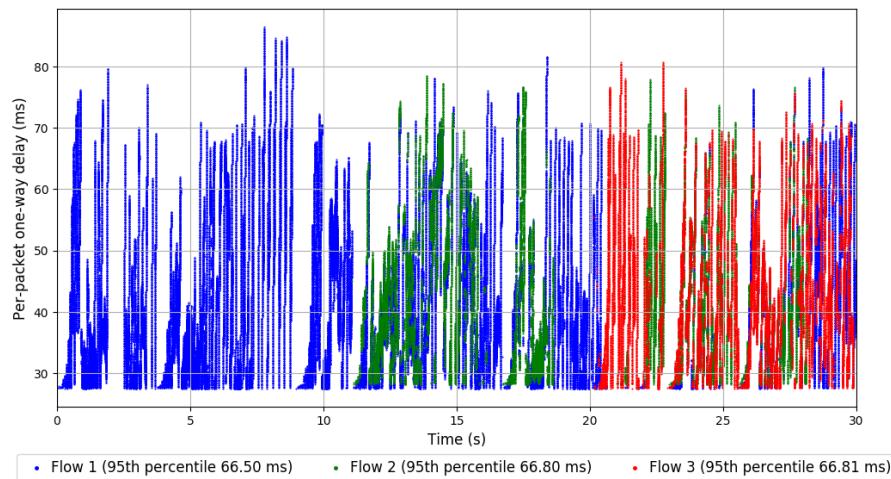
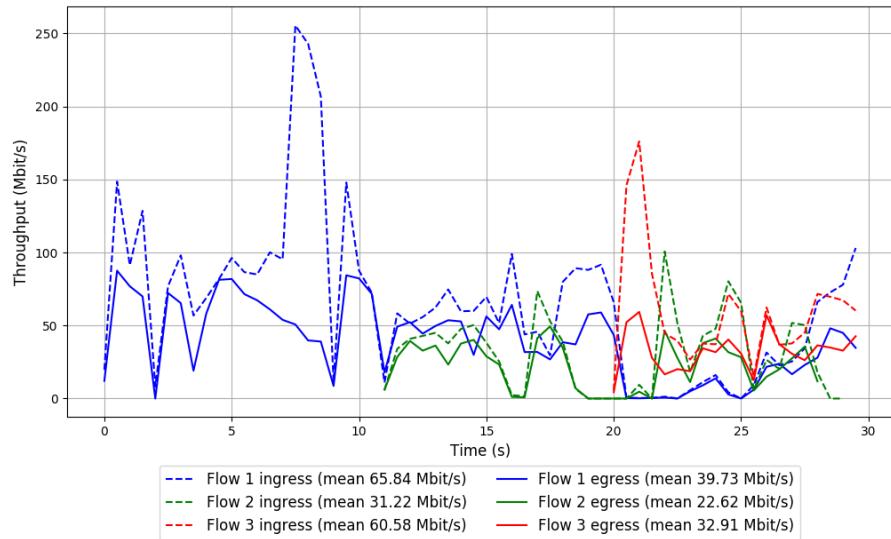


Run 7: Statistics of Verus

```
Start at: 2018-02-20 16:43:03
End at: 2018-02-20 16:43:33
Local clock offset: -4.747 ms
Remote clock offset: -4.678 ms

# Below is generated by plot.py at 2018-02-20 19:00:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 66.626 ms
Loss rate: 39.36%
-- Flow 1:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 66.504 ms
Loss rate: 39.61%
-- Flow 2:
Average throughput: 22.62 Mbit/s
95th percentile per-packet one-way delay: 66.804 ms
Loss rate: 31.59%
-- Flow 3:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 66.809 ms
Loss rate: 45.90%
```

Run 7: Report of Verus — Data Link

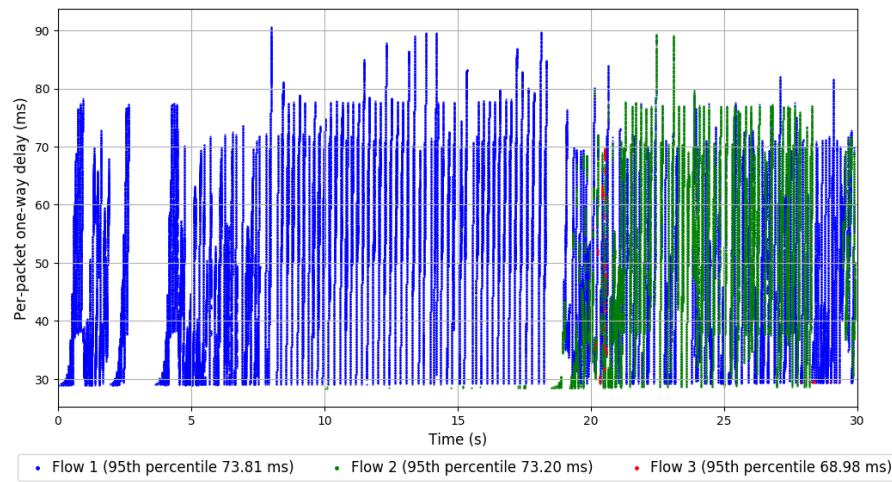
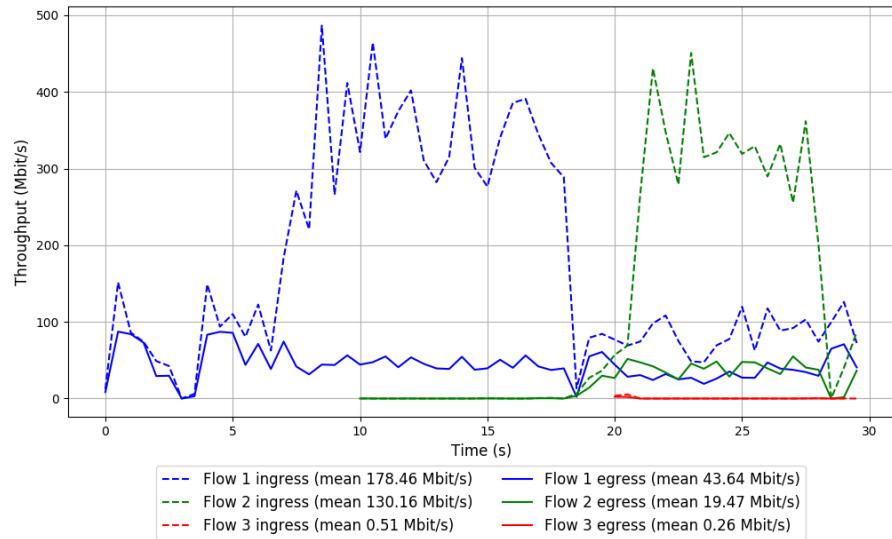


Run 8: Statistics of Verus

```
Start at: 2018-02-20 17:12:11
End at: 2018-02-20 17:12:41
Local clock offset: -5.646 ms
Remote clock offset: -12.876 ms

# Below is generated by plot.py at 2018-02-20 19:00:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 73.613 ms
Loss rate: 78.61%
-- Flow 1:
Average throughput: 43.64 Mbit/s
95th percentile per-packet one-way delay: 73.805 ms
Loss rate: 75.52%
-- Flow 2:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 73.204 ms
Loss rate: 85.03%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 68.984 ms
Loss rate: 51.68%
```

Run 8: Report of Verus — Data Link

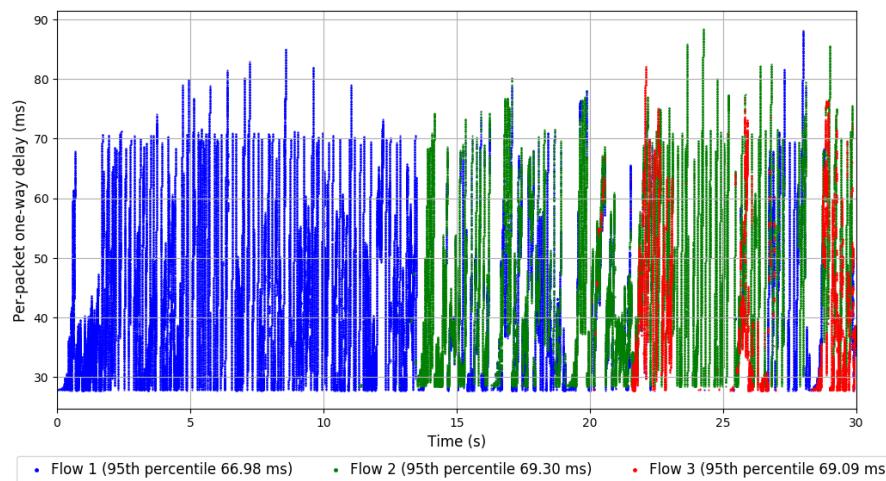
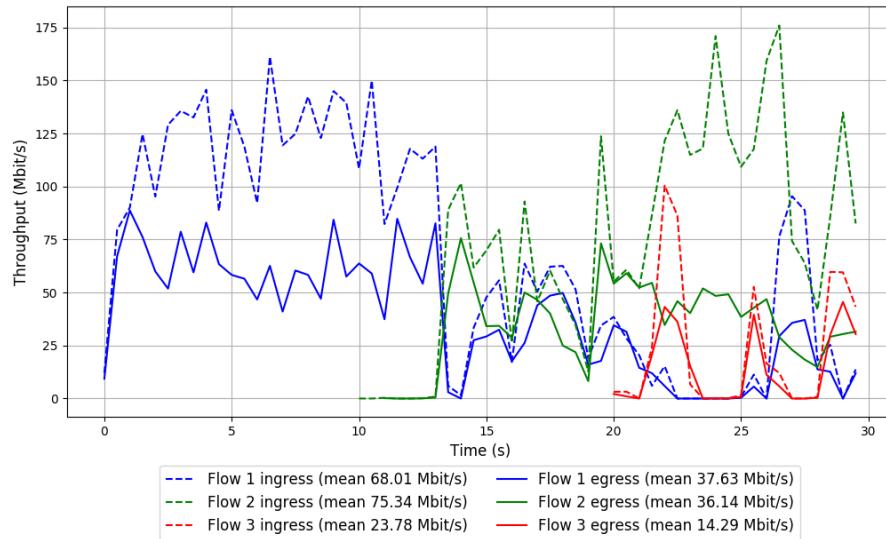


Run 9: Statistics of Verus

```
Start at: 2018-02-20 17:38:44
End at: 2018-02-20 17:39:14
Local clock offset: 1.554 ms
Remote clock offset: -4.988 ms

# Below is generated by plot.py at 2018-02-20 19:00:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 67.968 ms
Loss rate: 48.18%
-- Flow 1:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 66.982 ms
Loss rate: 44.66%
-- Flow 2:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 69.304 ms
Loss rate: 54.38%
-- Flow 3:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 69.090 ms
Loss rate: 39.95%
```

Run 9: Report of Verus — Data Link

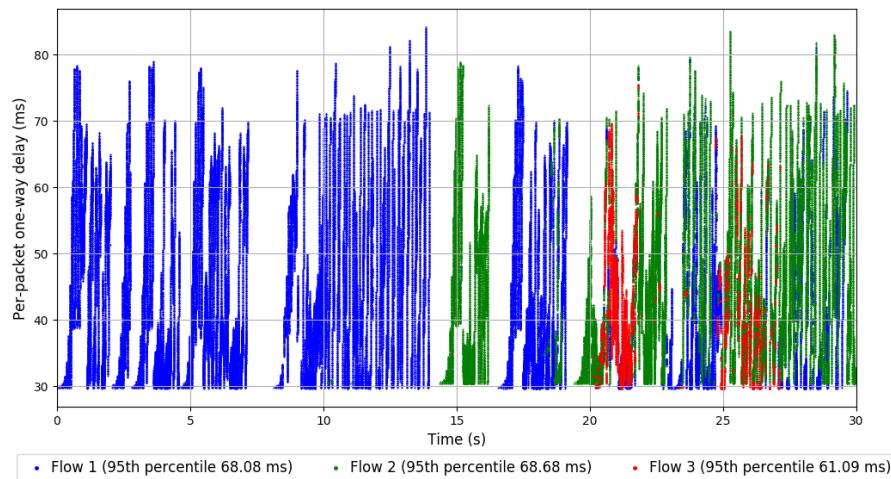
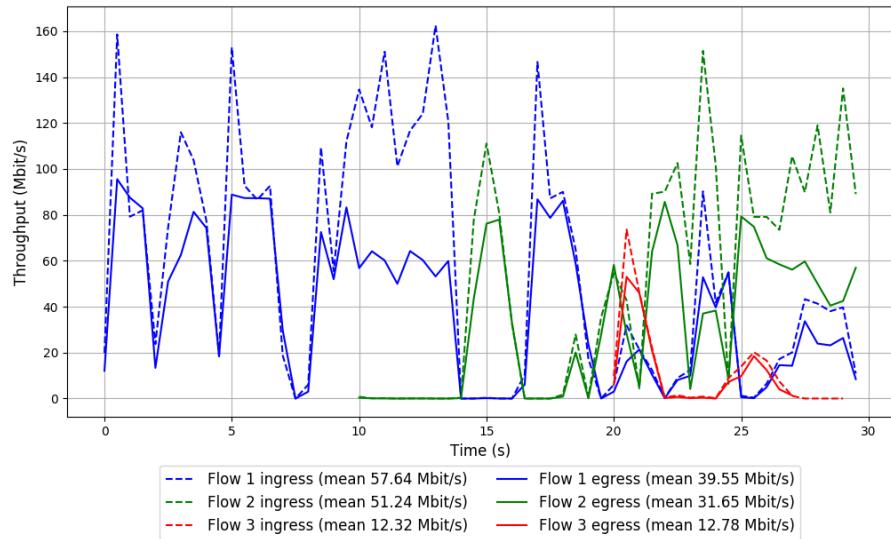


Run 10: Statistics of Verus

```
Start at: 2018-02-20 18:06:07
End at: 2018-02-20 18:06:37
Local clock offset: -4.331 ms
Remote clock offset: -3.078 ms

# Below is generated by plot.py at 2018-02-20 19:00:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 68.093 ms
Loss rate: 33.47%
-- Flow 1:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 68.078 ms
Loss rate: 31.52%
-- Flow 2:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 68.682 ms
Loss rate: 38.34%
-- Flow 3:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 61.086 ms
Loss rate: 18.94%
```

Run 10: Report of Verus — Data Link

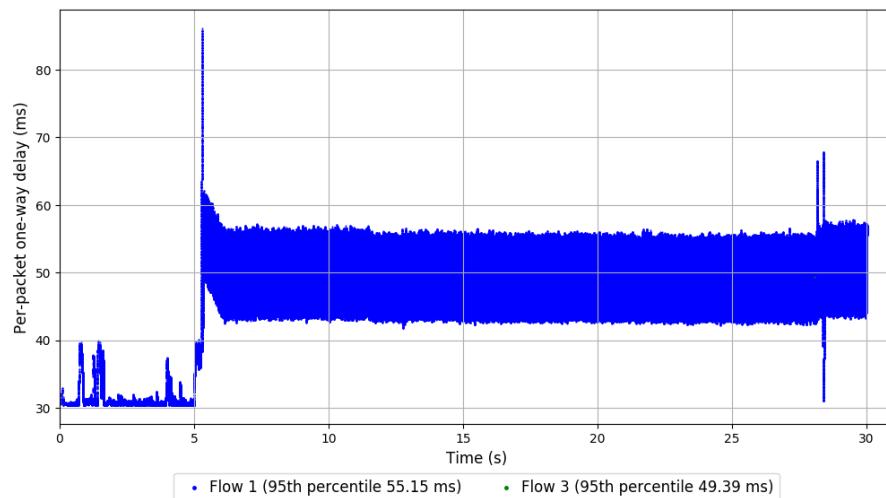
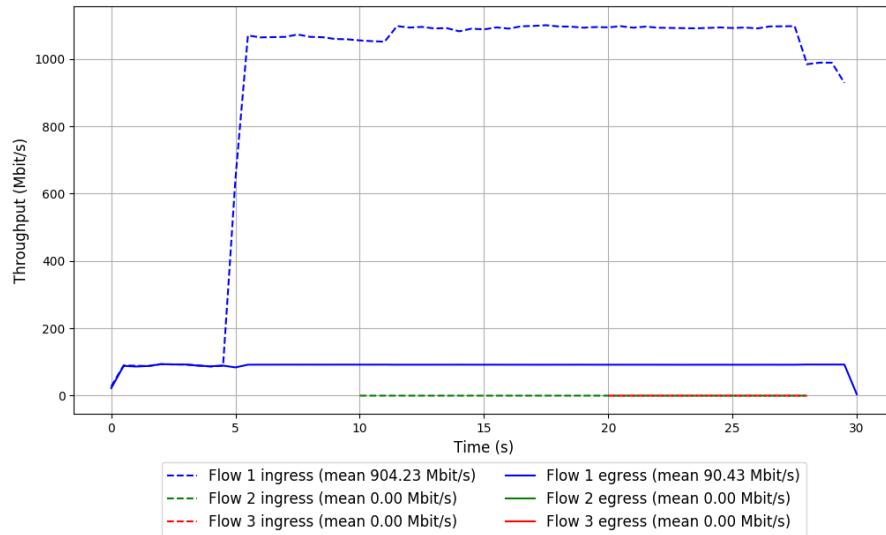


Run 1: Statistics of Copa

```
Start at: 2018-02-20 13:59:10
End at: 2018-02-20 13:59:40
Local clock offset: 2.123 ms
Remote clock offset: -1.624 ms

# Below is generated by plot.py at 2018-02-20 19:07:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 55.152 ms
Loss rate: 89.99%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 55.152 ms
Loss rate: 89.99%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 49.392 ms
Loss rate: 80.00%
```

Run 1: Report of Copa — Data Link

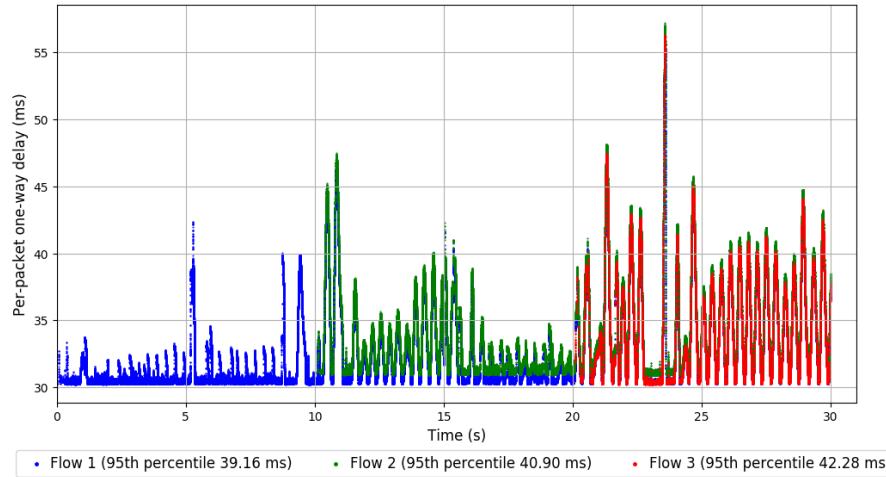
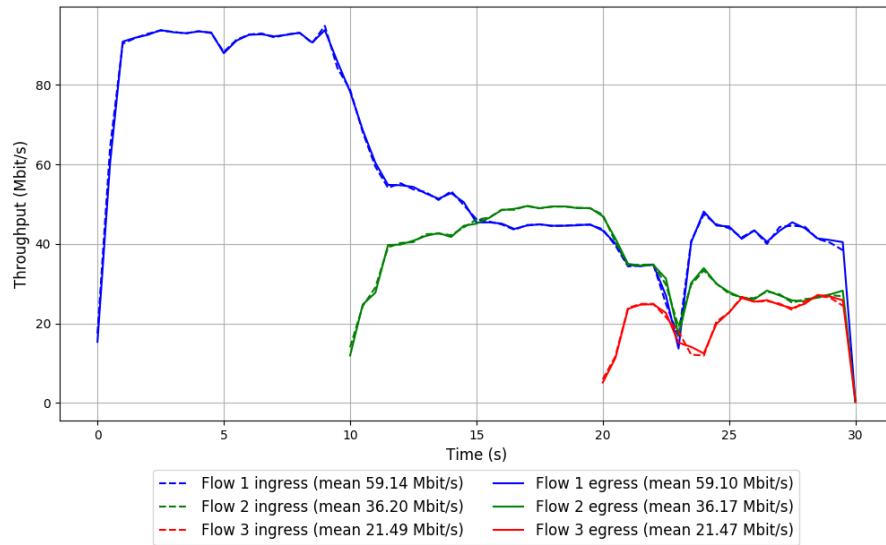


Run 2: Statistics of Copa

```
Start at: 2018-02-20 14:25:45
End at: 2018-02-20 14:26:15
Local clock offset: 1.55 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2018-02-20 19:07:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 39.983 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 39.160 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 40.898 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 42.279 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link

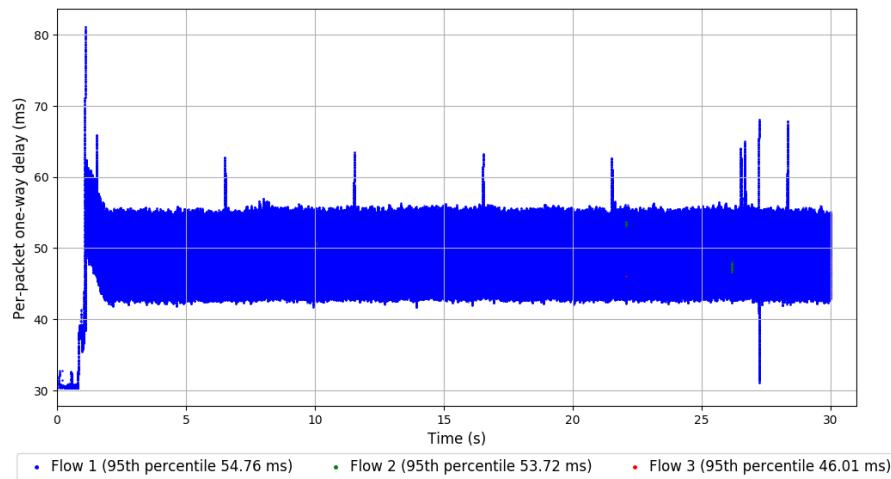
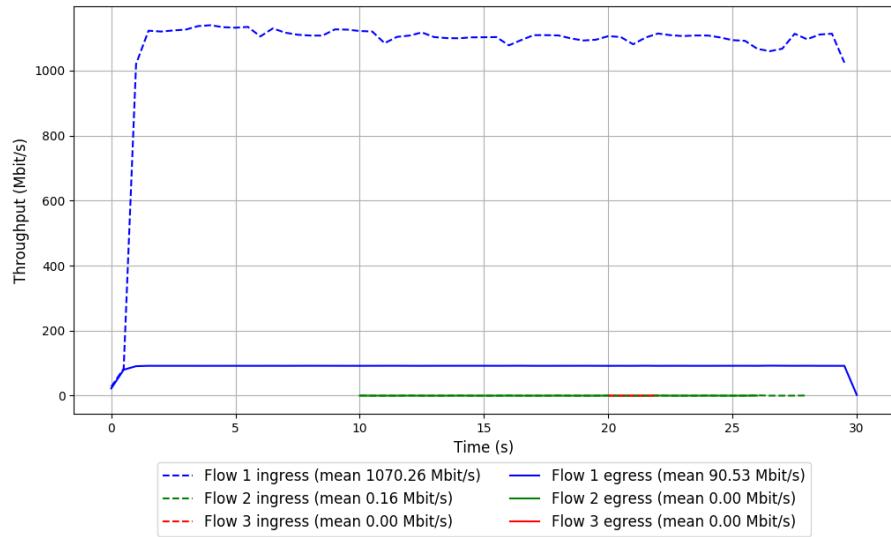


Run 3: Statistics of Copa

```
Start at: 2018-02-20 14:51:55
End at: 2018-02-20 14:52:25
Local clock offset: 1.659 ms
Remote clock offset: -2.253 ms

# Below is generated by plot.py at 2018-02-20 19:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 54.761 ms
Loss rate: 91.54%
-- Flow 1:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 54.761 ms
Loss rate: 91.54%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.722 ms
Loss rate: 98.25%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 46.008 ms
Loss rate: 50.00%
```

Run 3: Report of Copa — Data Link

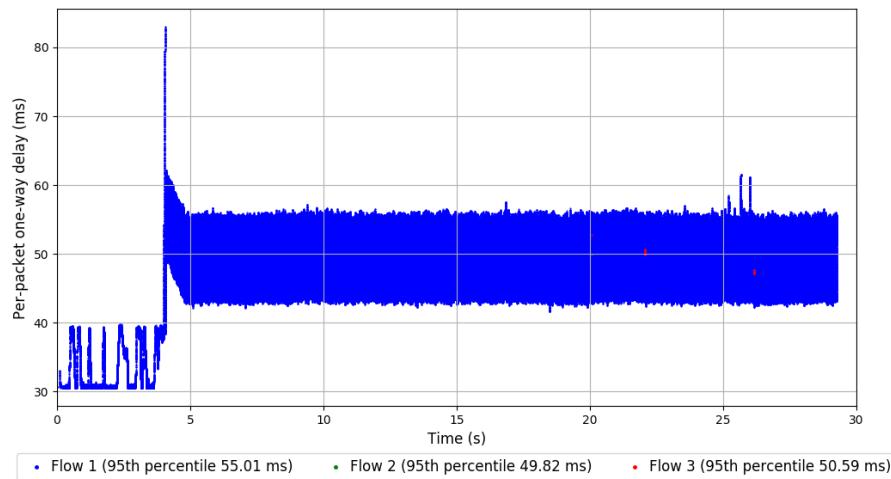
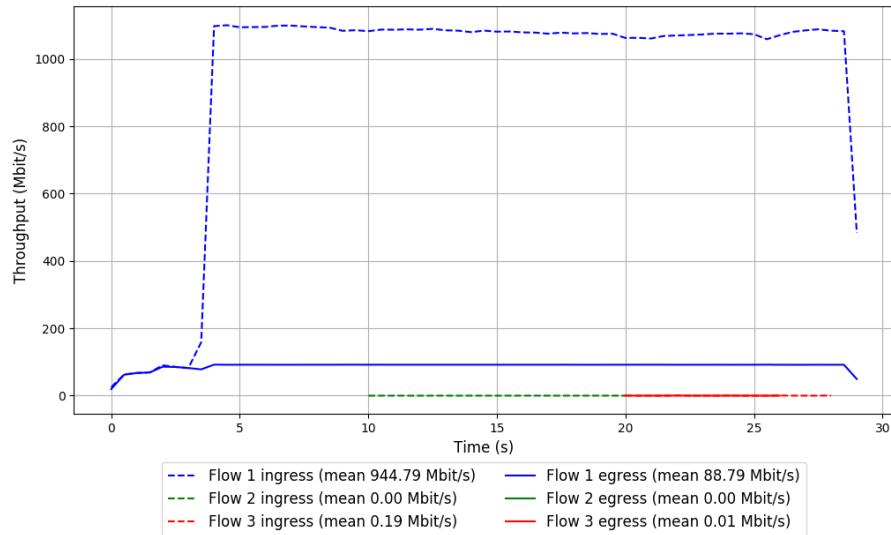


Run 4: Statistics of Copa

```
Start at: 2018-02-20 15:17:54
End at: 2018-02-20 15:18:24
Local clock offset: 1.212 ms
Remote clock offset: -5.086 ms

# Below is generated by plot.py at 2018-02-20 19:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 55.008 ms
Loss rate: 90.60%
-- Flow 1:
Average throughput: 88.79 Mbit/s
95th percentile per-packet one-way delay: 55.008 ms
Loss rate: 90.60%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 49.824 ms
Loss rate: 83.33%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 50.585 ms
Loss rate: 95.23%
```

Run 4: Report of Copa — Data Link

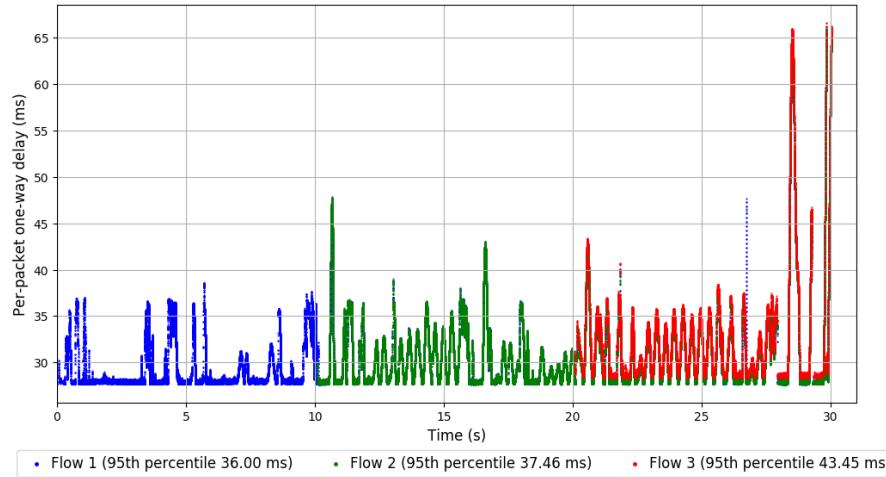
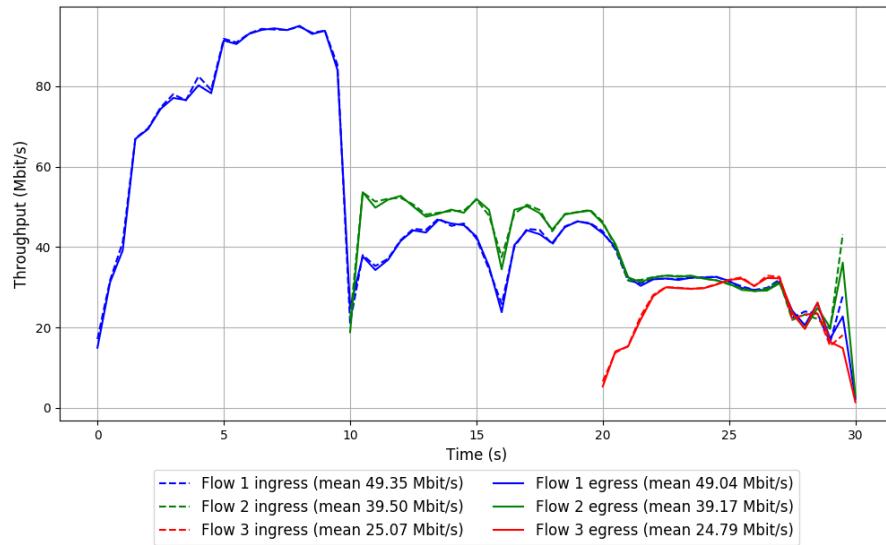


Run 5: Statistics of Copa

```
Start at: 2018-02-20 15:43:27
End at: 2018-02-20 15:43:57
Local clock offset: 2.333 ms
Remote clock offset: -7.276 ms

# Below is generated by plot.py at 2018-02-20 19:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 36.382 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 36.000 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 37.457 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 43.450 ms
Loss rate: 0.74%
```

Run 5: Report of Copa — Data Link

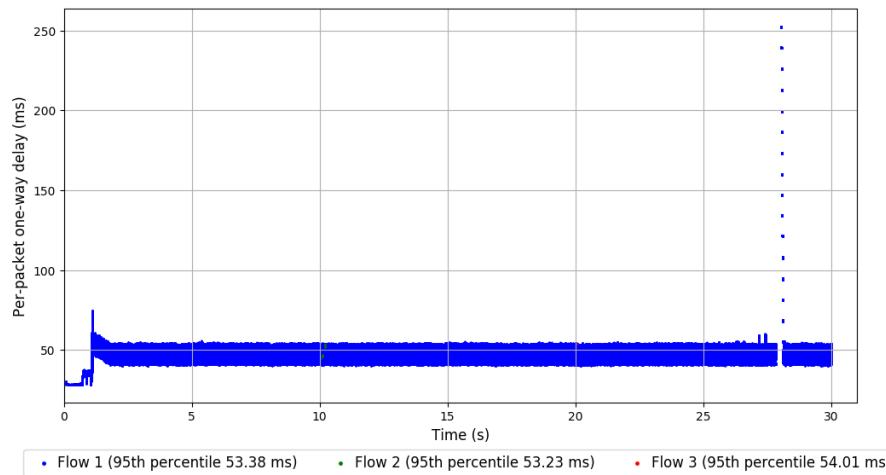
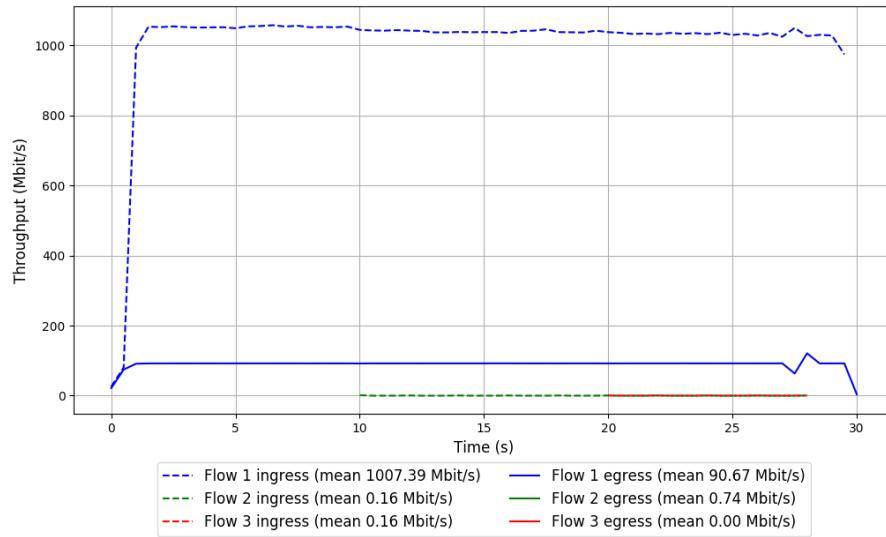


Run 6: Statistics of Copa

```
Start at: 2018-02-20 16:08:23
End at: 2018-02-20 16:08:53
Local clock offset: -0.042 ms
Remote clock offset: -5.883 ms

# Below is generated by plot.py at 2018-02-20 19:09:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 53.385 ms
Loss rate: 90.99%
-- Flow 1:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 53.385 ms
Loss rate: 90.99%
-- Flow 2:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 53.230 ms
Loss rate: 96.24%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 54.009 ms
Loss rate: 99.92%
```

Run 6: Report of Copa — Data Link

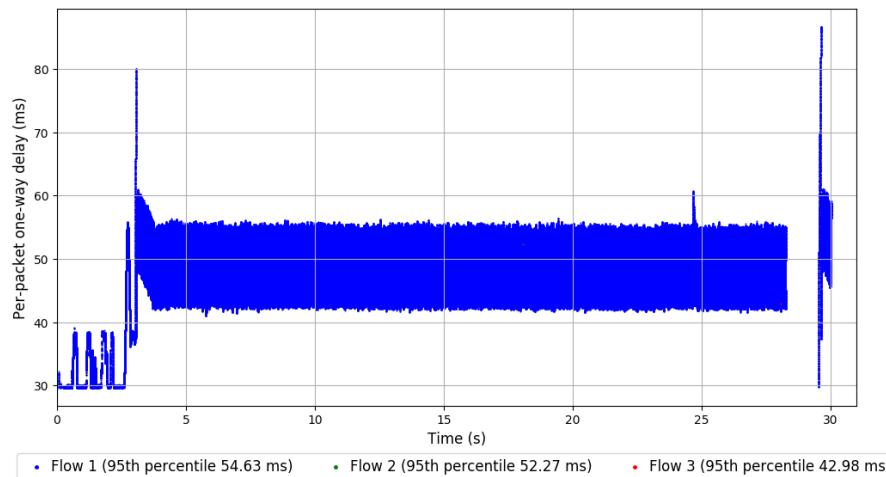
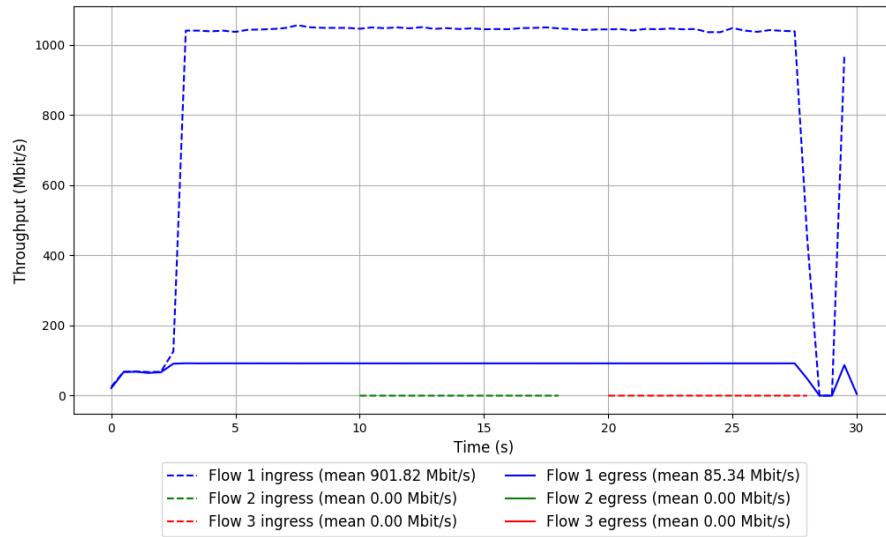


Run 7: Statistics of Copa

```
Start at: 2018-02-20 16:33:26
End at: 2018-02-20 16:33:56
Local clock offset: -4.242 ms
Remote clock offset: -2.803 ms

# Below is generated by plot.py at 2018-02-20 19:09:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 54.631 ms
Loss rate: 90.53%
-- Flow 1:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 54.631 ms
Loss rate: 90.53%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 52.267 ms
Loss rate: 80.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 42.980 ms
Loss rate: 80.00%
```

Run 7: Report of Copa — Data Link

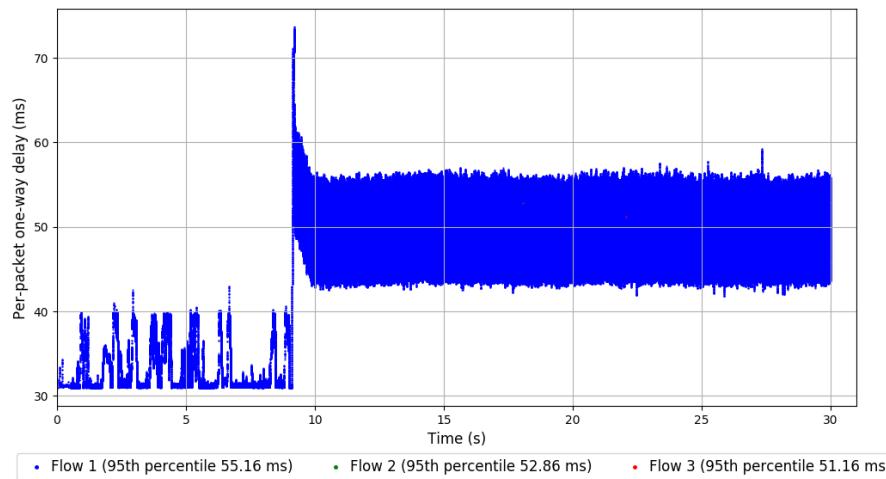
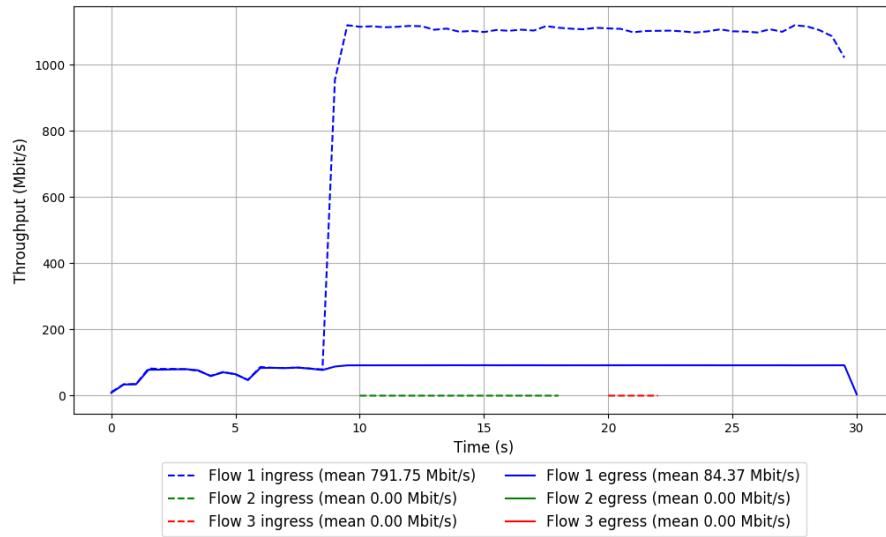


Run 8: Statistics of Copa

```
Start at: 2018-02-20 17:02:42
End at: 2018-02-20 17:03:12
Local clock offset: -5.846 ms
Remote clock offset: -9.265 ms

# Below is generated by plot.py at 2018-02-20 19:09:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 55.163 ms
Loss rate: 89.34%
-- Flow 1:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 55.163 ms
Loss rate: 89.34%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 52.856 ms
Loss rate: 80.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.156 ms
Loss rate: 50.00%
```

Run 8: Report of Copa — Data Link

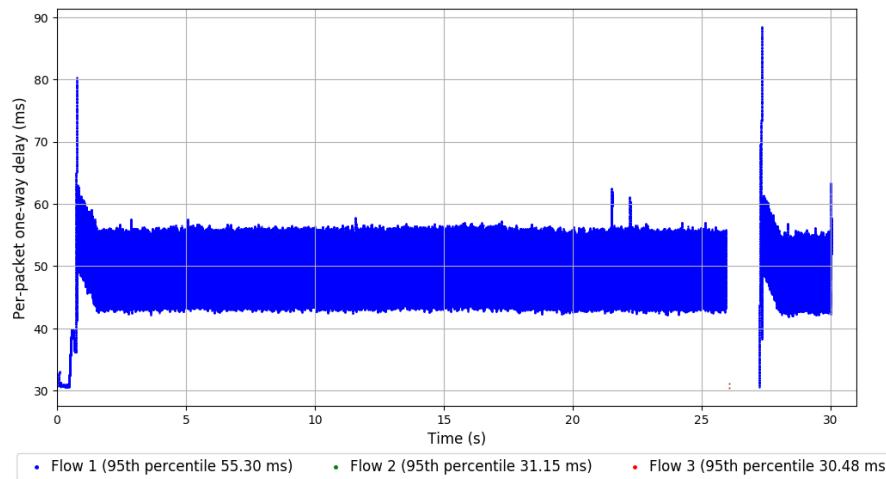
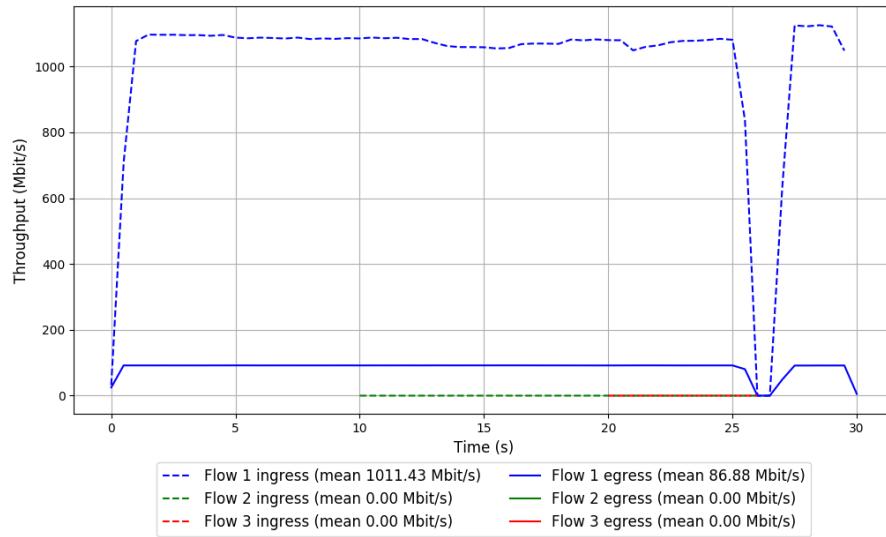


Run 9: Statistics of Copa

```
Start at: 2018-02-20 17:29:13
End at: 2018-02-20 17:29:43
Local clock offset: 0.618 ms
Remote clock offset: -4.037 ms

# Below is generated by plot.py at 2018-02-20 19:11:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 55.305 ms
Loss rate: 91.40%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 55.305 ms
Loss rate: 91.40%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.149 ms
Loss rate: 88.89%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.482 ms
Loss rate: 75.00%
```

Run 9: Report of Copa — Data Link

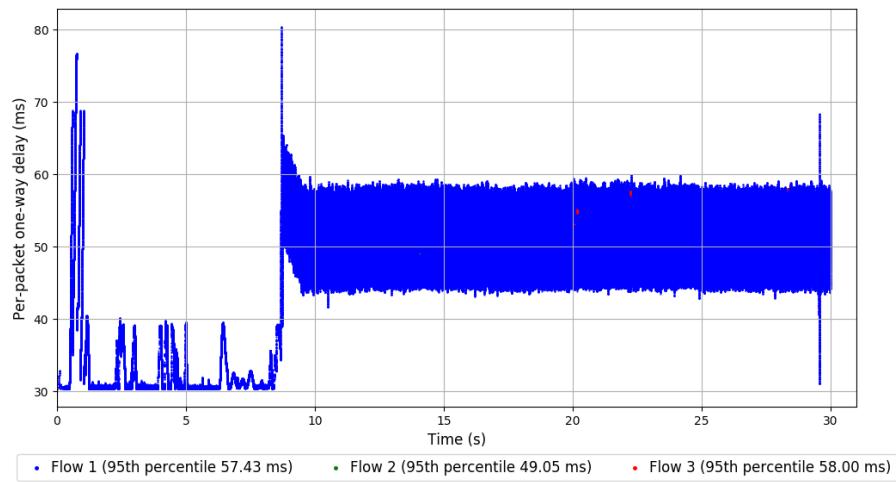
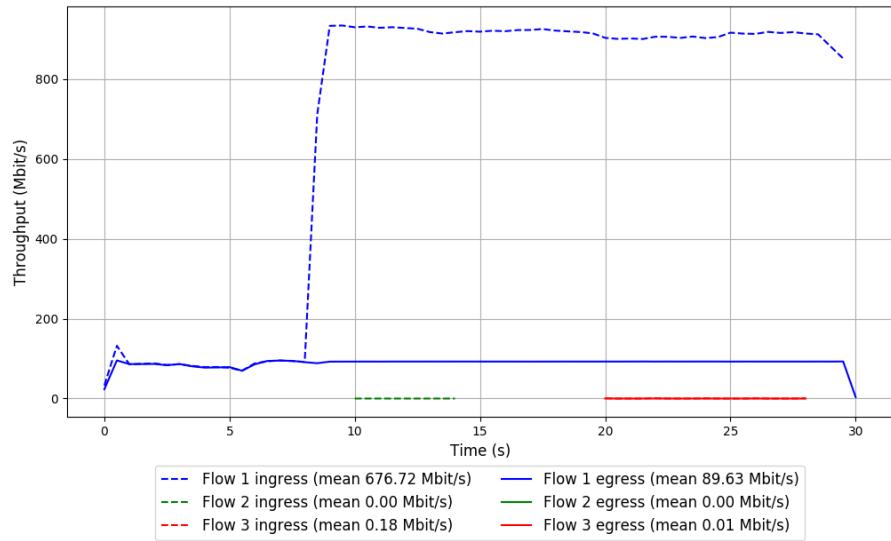


Run 10: Statistics of Copa

```
Start at: 2018-02-20 17:56:17
End at: 2018-02-20 17:56:47
Local clock offset: -2.644 ms
Remote clock offset: -2.412 ms

# Below is generated by plot.py at 2018-02-20 19:11:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.63 Mbit/s
95th percentile per-packet one-way delay: 57.428 ms
Loss rate: 86.75%
-- Flow 1:
Average throughput: 89.63 Mbit/s
95th percentile per-packet one-way delay: 57.427 ms
Loss rate: 86.75%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 49.052 ms
Loss rate: 66.67%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 58.003 ms
Loss rate: 94.46%
```

Run 10: Report of Copa — Data Link

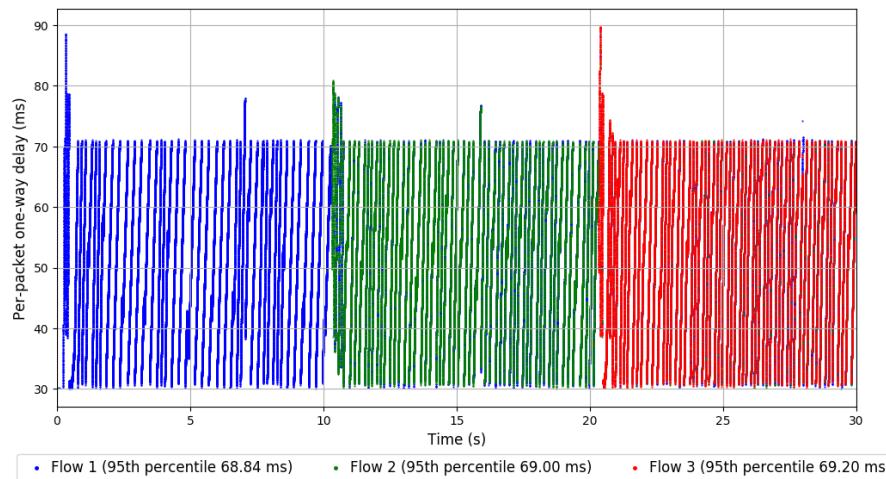
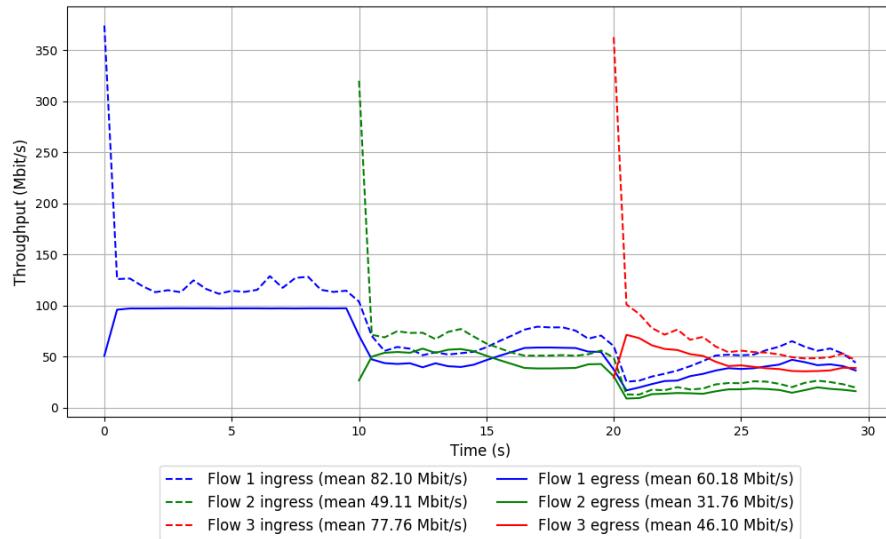


```
Run 1: Statistics of FillP

Start at: 2018-02-20 14:05:40
End at: 2018-02-20 14:06:10
Local clock offset: 1.633 ms
Remote clock offset: -0.631 ms

# Below is generated by plot.py at 2018-02-20 19:11:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 68.931 ms
Loss rate: 31.31%
-- Flow 1:
Average throughput: 60.18 Mbit/s
95th percentile per-packet one-way delay: 68.845 ms
Loss rate: 26.69%
-- Flow 2:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 68.997 ms
Loss rate: 35.36%
-- Flow 3:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 69.200 ms
Loss rate: 40.89%
```

Run 1: Report of FillP — Data Link

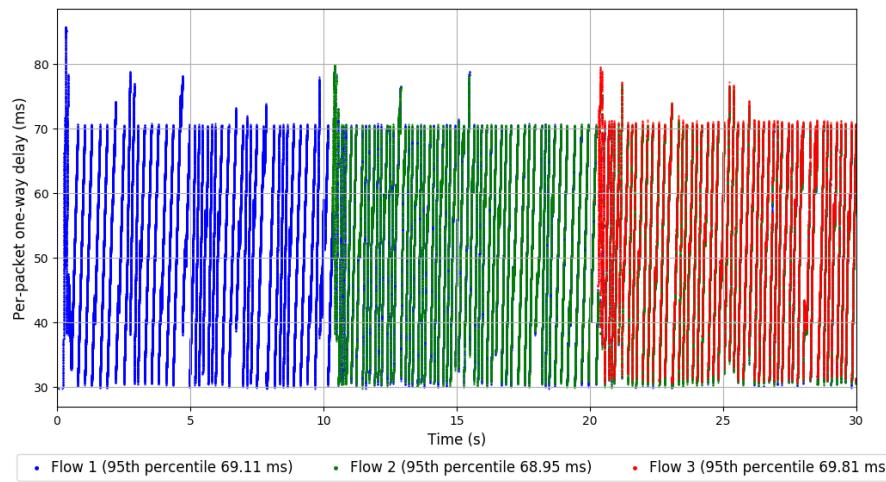
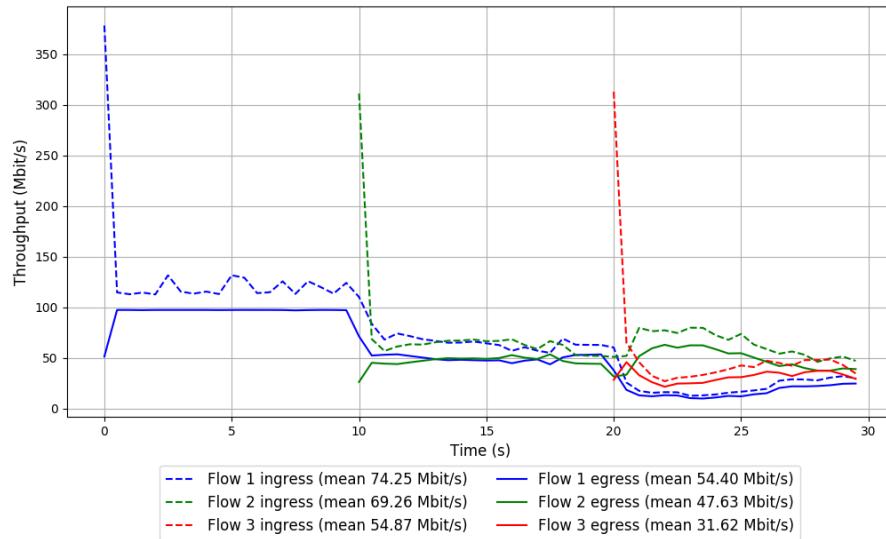


Run 2: Statistics of FillP

```
Start at: 2018-02-20 14:31:48
End at: 2018-02-20 14:32:18
Local clock offset: 1.448 ms
Remote clock offset: -0.792 ms

# Below is generated by plot.py at 2018-02-20 19:11:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 69.141 ms
Loss rate: 30.32%
-- Flow 1:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 69.114 ms
Loss rate: 26.74%
-- Flow 2:
Average throughput: 47.63 Mbit/s
95th percentile per-packet one-way delay: 68.953 ms
Loss rate: 31.31%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 69.812 ms
Loss rate: 42.45%
```

Run 2: Report of FillP — Data Link

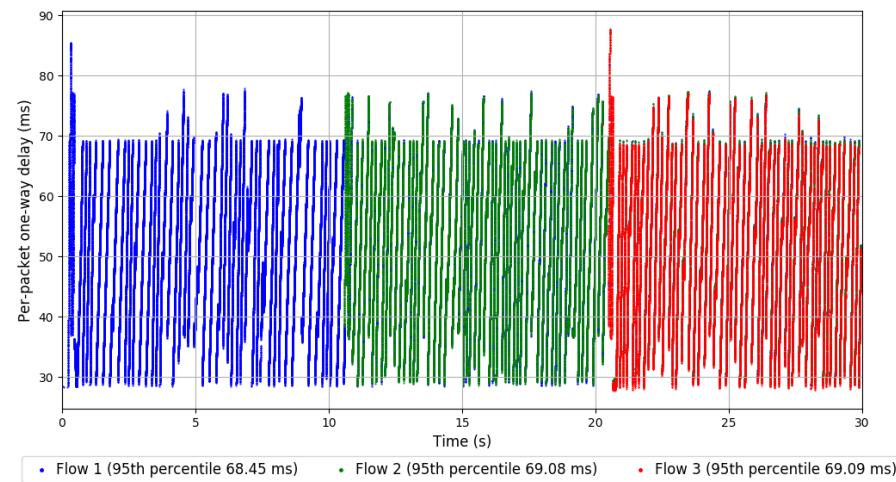
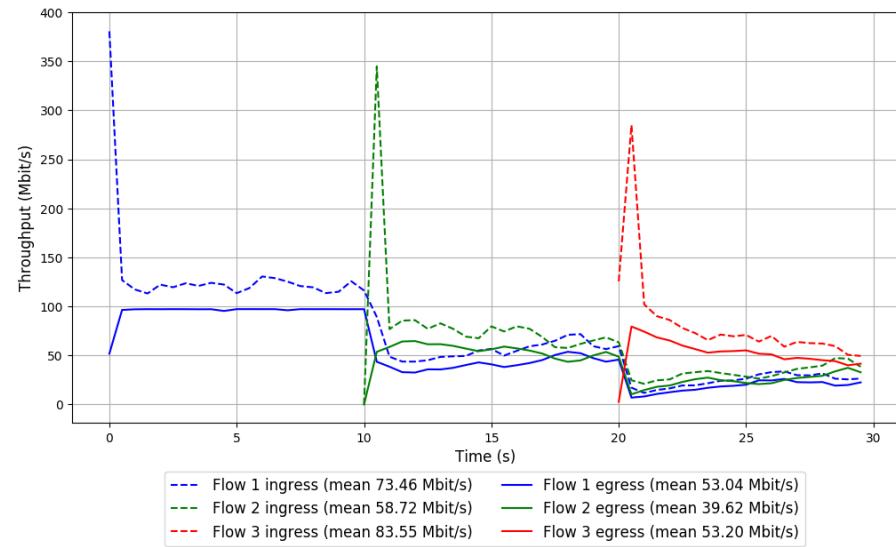


Run 3: Statistics of FillP

```
Start at: 2018-02-20 14:58:13
End at: 2018-02-20 14:58:43
Local clock offset: 1.408 ms
Remote clock offset: -4.63 ms

# Below is generated by plot.py at 2018-02-20 19:11:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 68.686 ms
Loss rate: 31.14%
-- Flow 1:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 68.447 ms
Loss rate: 27.74%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 69.081 ms
Loss rate: 33.06%
-- Flow 3:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 69.087 ms
Loss rate: 37.44%
```

Run 3: Report of FillP — Data Link

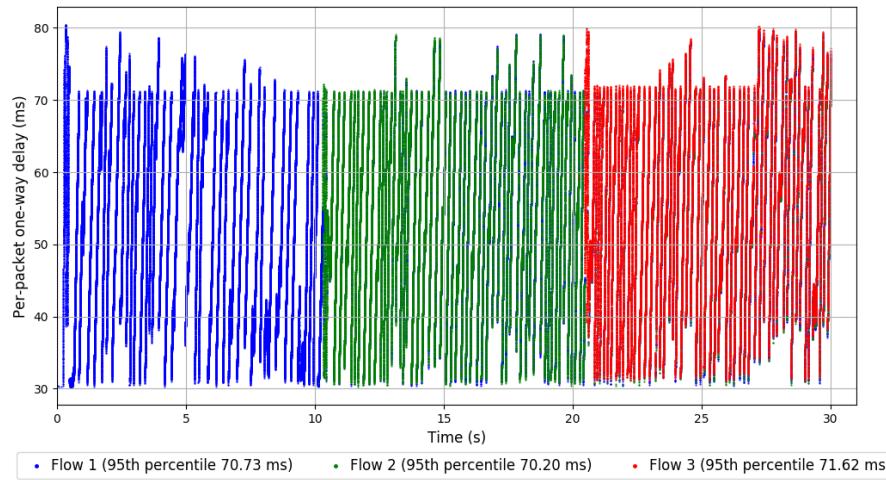
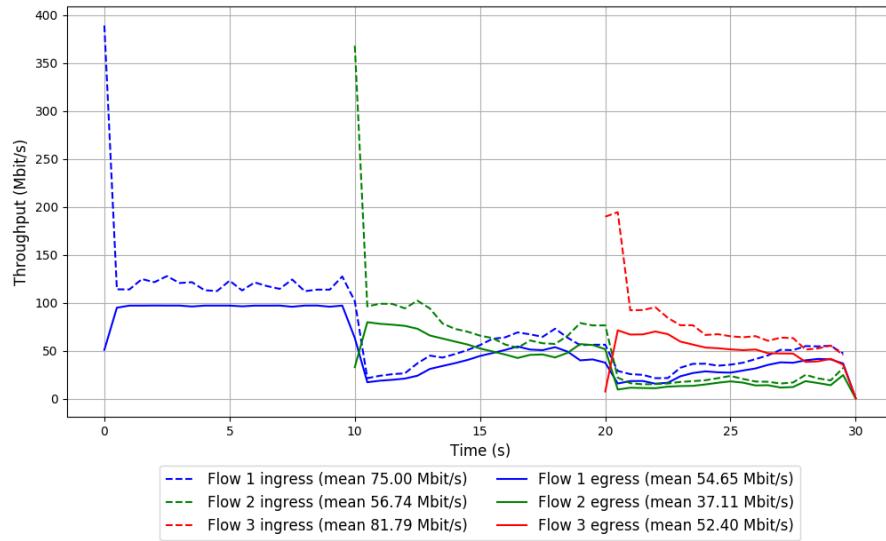


Run 4: Statistics of FillP

```
Start at: 2018-02-20 15:24:11
End at: 2018-02-20 15:24:41
Local clock offset: 1.241 ms
Remote clock offset: -5.285 ms

# Below is generated by plot.py at 2018-02-20 19:11:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 70.771 ms
Loss rate: 31.00%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 70.729 ms
Loss rate: 27.06%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 70.198 ms
Loss rate: 34.59%
-- Flow 3:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 71.617 ms
Loss rate: 36.89%
```

Run 4: Report of FillP — Data Link

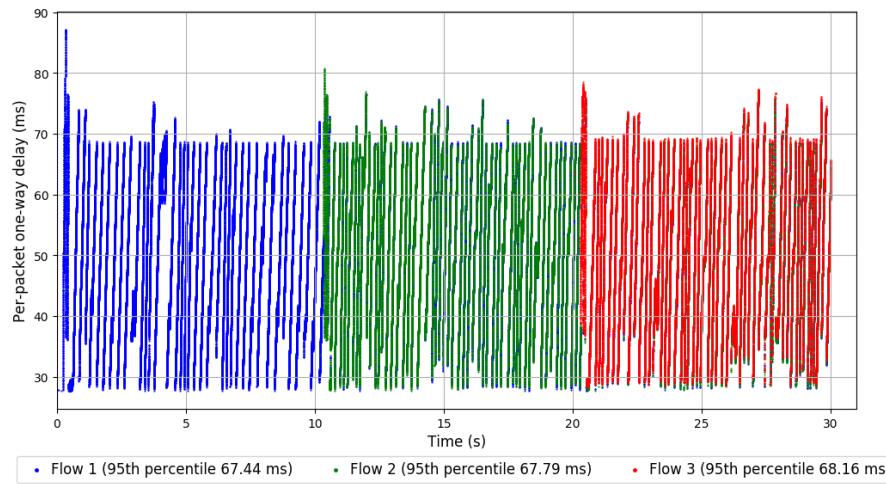
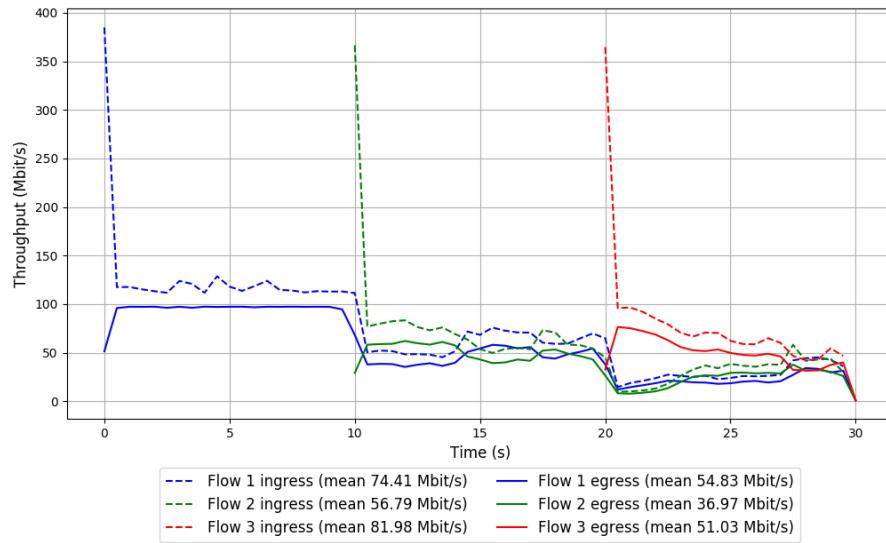


Run 5: Statistics of FillP

```
Start at: 2018-02-20 15:49:15
End at: 2018-02-20 15:49:45
Local clock offset: 2.535 ms
Remote clock offset: -6.761 ms

# Below is generated by plot.py at 2018-02-20 19:11:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 67.639 ms
Loss rate: 30.81%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 67.435 ms
Loss rate: 26.22%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 67.790 ms
Loss rate: 34.86%
-- Flow 3:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 68.157 ms
Loss rate: 37.75%
```

Run 5: Report of FillP — Data Link

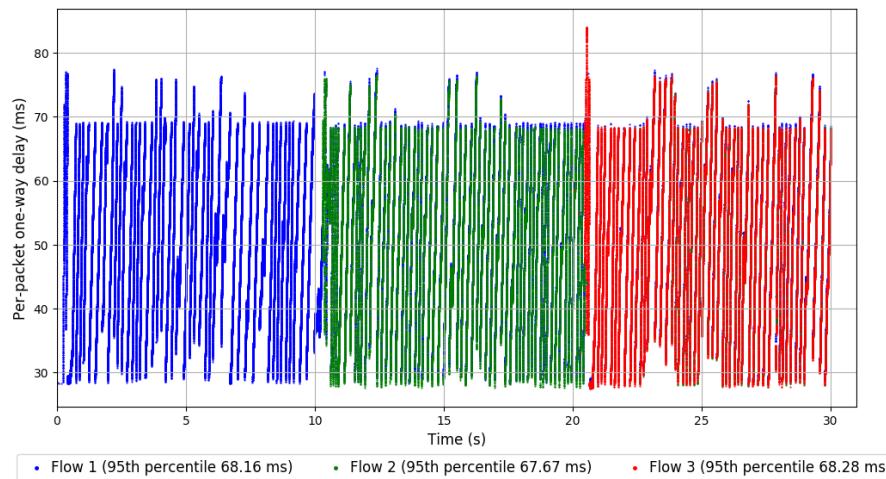
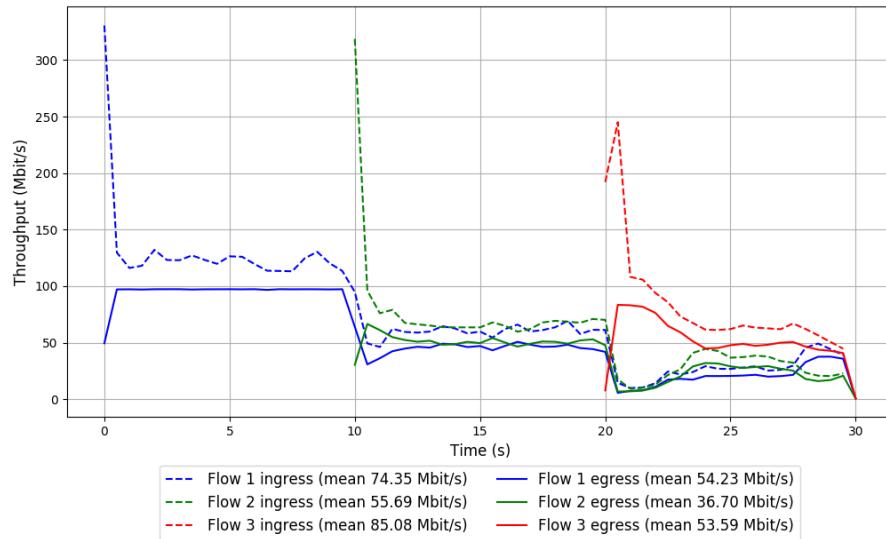


Run 6: Statistics of FillP

```
Start at: 2018-02-20 16:14:21
End at: 2018-02-20 16:14:51
Local clock offset: -1.841 ms
Remote clock offset: -5.49 ms

# Below is generated by plot.py at 2018-02-20 19:11:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 68.058 ms
Loss rate: 30.86%
-- Flow 1:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 68.163 ms
Loss rate: 26.97%
-- Flow 2:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 67.673 ms
Loss rate: 34.00%
-- Flow 3:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 68.283 ms
Loss rate: 36.99%
```

Run 6: Report of FillP — Data Link

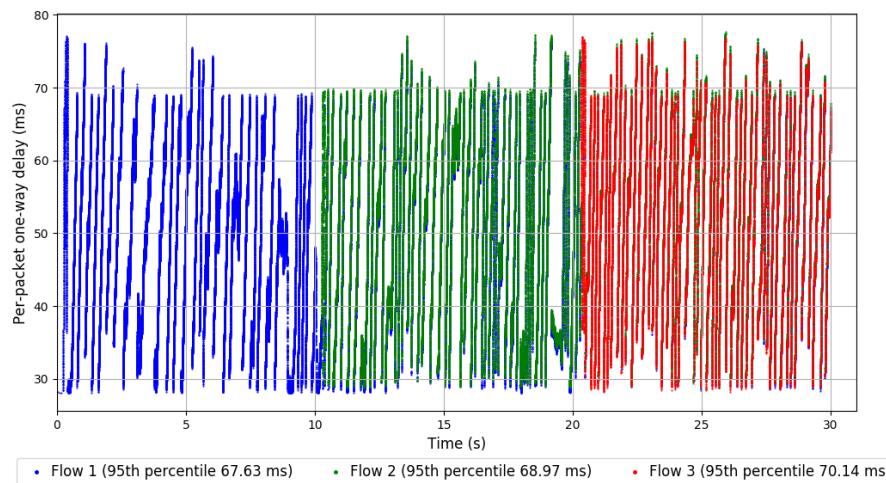
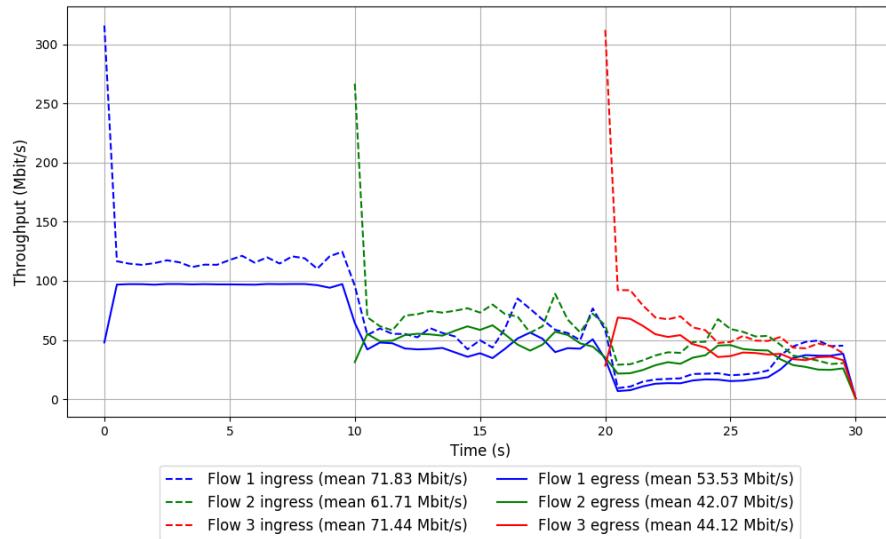


Run 7: Statistics of FillP

```
Start at: 2018-02-20 16:39:50
End at: 2018-02-20 16:40:20
Local clock offset: -4.618 ms
Remote clock offset: -4.16 ms

# Below is generated by plot.py at 2018-02-20 19:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 68.432 ms
Loss rate: 29.52%
-- Flow 1:
Average throughput: 53.53 Mbit/s
95th percentile per-packet one-way delay: 67.633 ms
Loss rate: 25.39%
-- Flow 2:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 68.968 ms
Loss rate: 31.73%
-- Flow 3:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: 70.136 ms
Loss rate: 38.20%
```

Run 7: Report of FillP — Data Link

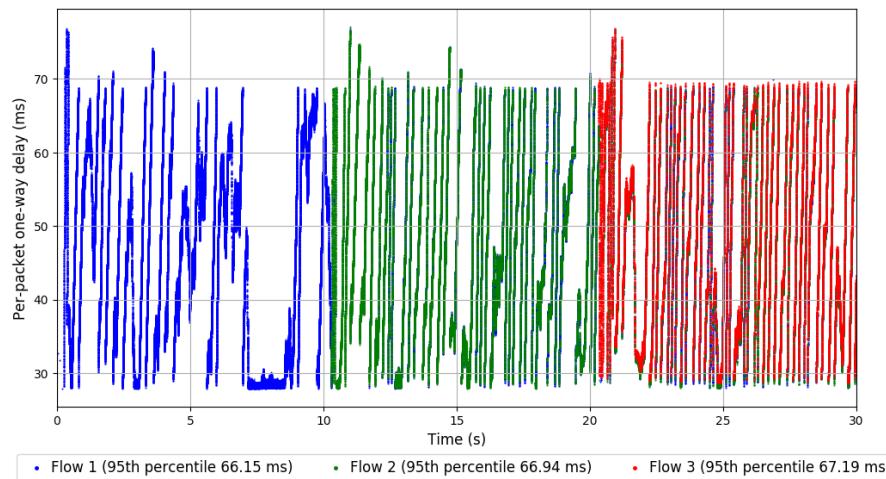
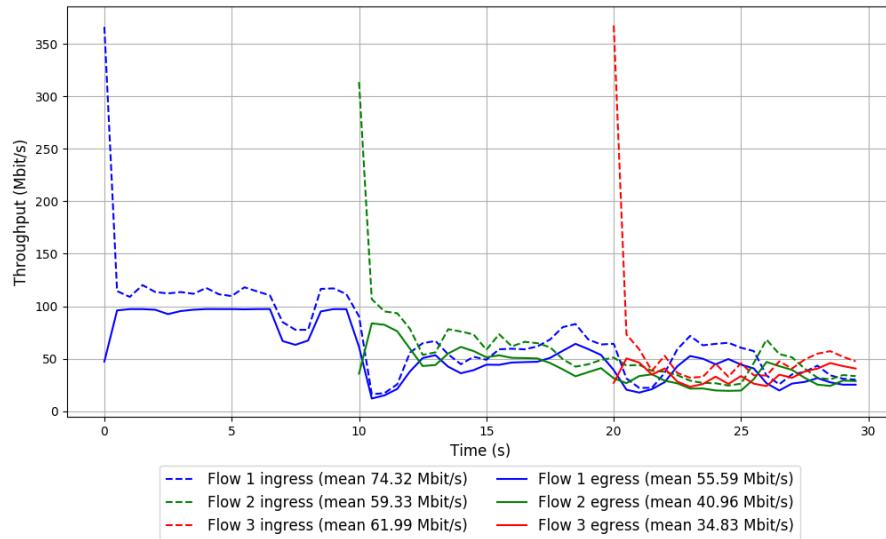


Run 8: Statistics of FillP

```
Start at: 2018-02-20 17:08:57
End at: 2018-02-20 17:09:27
Local clock offset: -6.181 ms
Remote clock offset: -12.267 ms

# Below is generated by plot.py at 2018-02-20 19:11:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 66.502 ms
Loss rate: 29.75%
-- Flow 1:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 66.148 ms
Loss rate: 25.18%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 66.937 ms
Loss rate: 31.02%
-- Flow 3:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 67.191 ms
Loss rate: 43.81%
```

Run 8: Report of FillP — Data Link

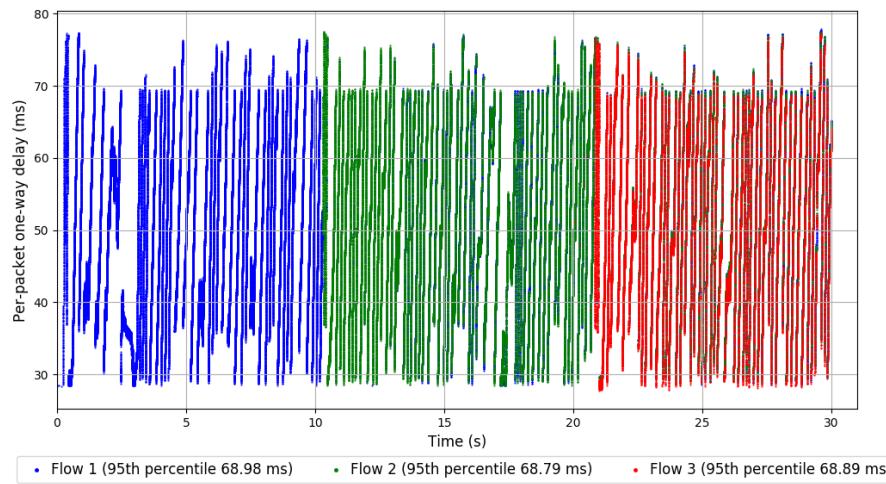
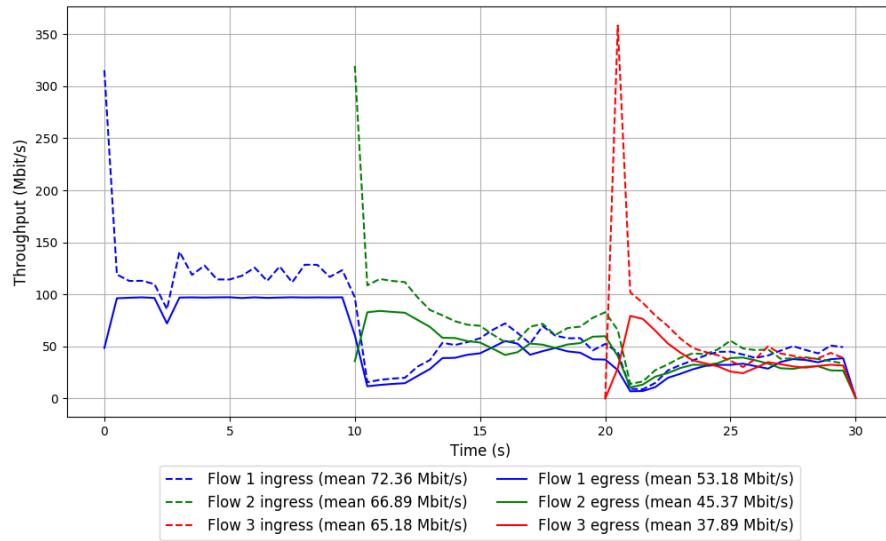


Run 9: Statistics of FillP

```
Start at: 2018-02-20 17:35:43
End at: 2018-02-20 17:36:13
Local clock offset: 1.231 ms
Remote clock offset: -5.509 ms

# Below is generated by plot.py at 2018-02-20 19:11:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 68.911 ms
Loss rate: 30.63%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 68.983 ms
Loss rate: 26.41%
-- Flow 2:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 68.786 ms
Loss rate: 32.07%
-- Flow 3:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 68.888 ms
Loss rate: 41.79%
```

Run 9: Report of FillP — Data Link

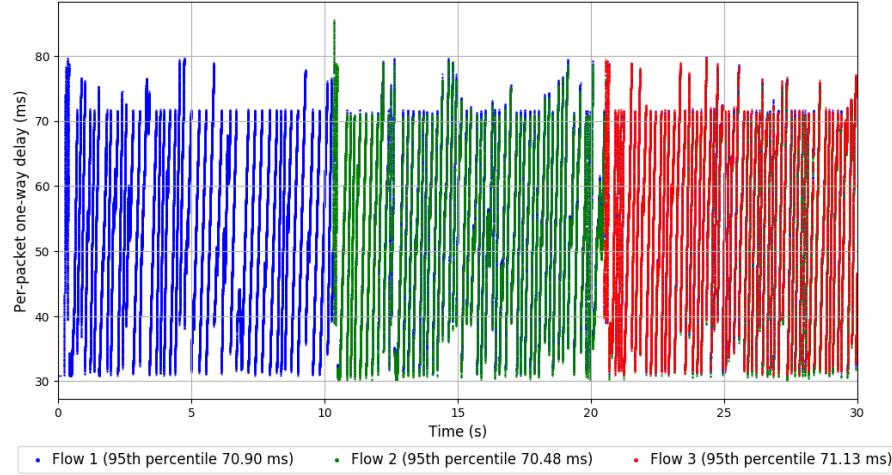
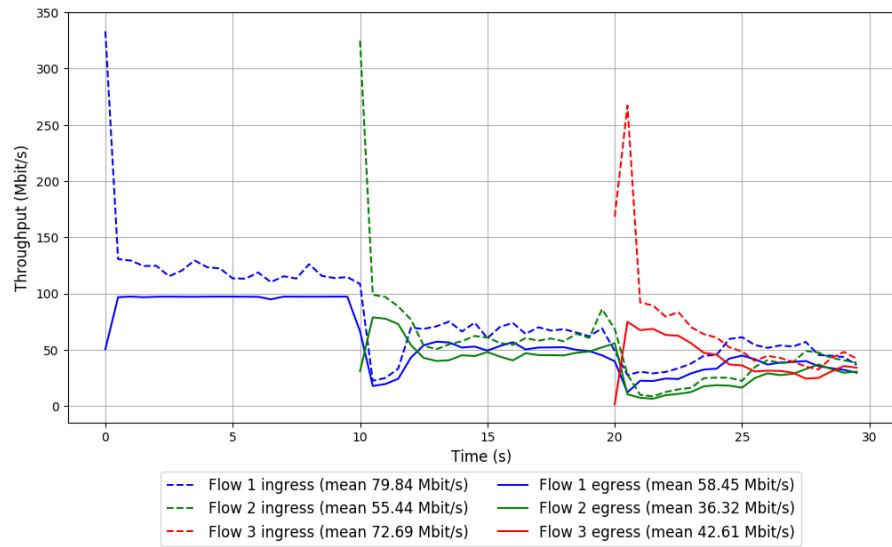


Run 10: Statistics of FillP

```
Start at: 2018-02-20 18:02:48
End at: 2018-02-20 18:03:18
Local clock offset: -3.798 ms
Remote clock offset: -2.399 ms

# Below is generated by plot.py at 2018-02-20 19:11:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 70.833 ms
Loss rate: 31.46%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 70.900 ms
Loss rate: 26.75%
-- Flow 2:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 70.481 ms
Loss rate: 34.57%
-- Flow 3:
Average throughput: 42.61 Mbit/s
95th percentile per-packet one-way delay: 71.133 ms
Loss rate: 42.31%
```

Run 10: Report of FillP — Data Link

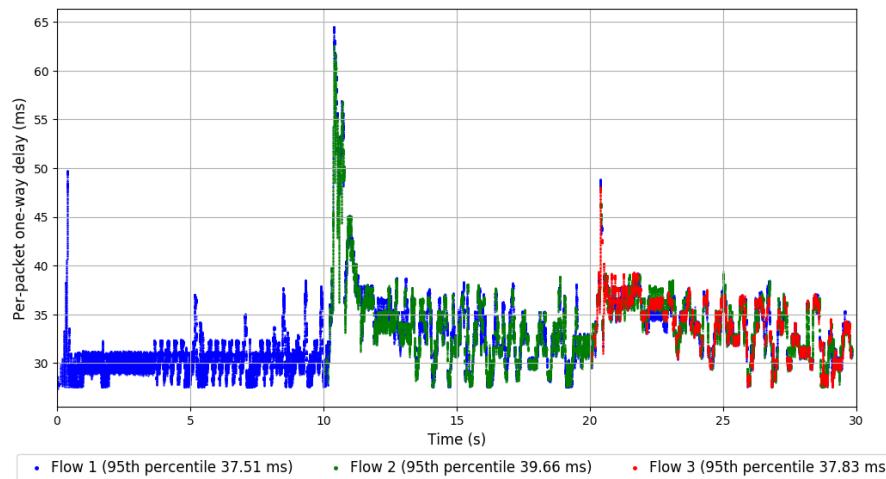
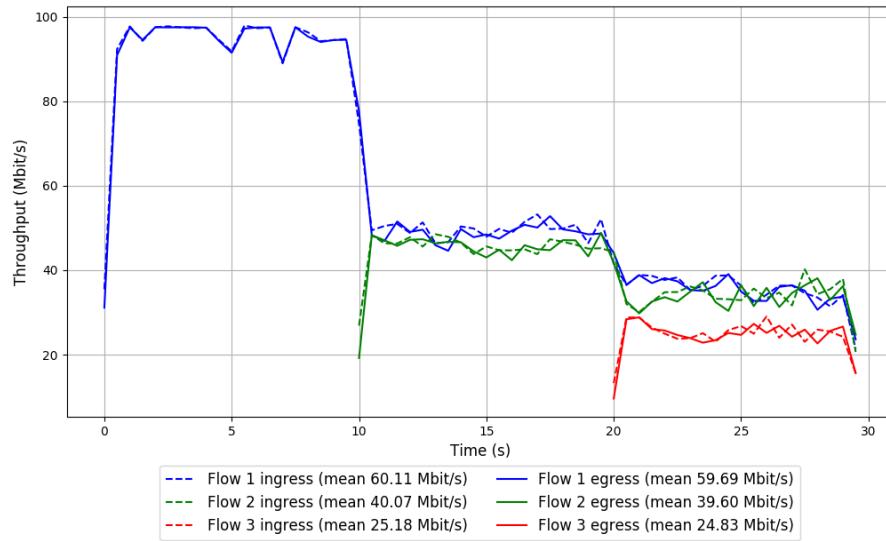


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-20 14:07:05
End at: 2018-02-20 14:07:35
Local clock offset: 1.705 ms
Remote clock offset: -2.963 ms

# Below is generated by plot.py at 2018-02-20 19:11:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 37.748 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 59.69 Mbit/s
95th percentile per-packet one-way delay: 37.507 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 39.655 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 37.830 ms
Loss rate: 1.39%
```

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

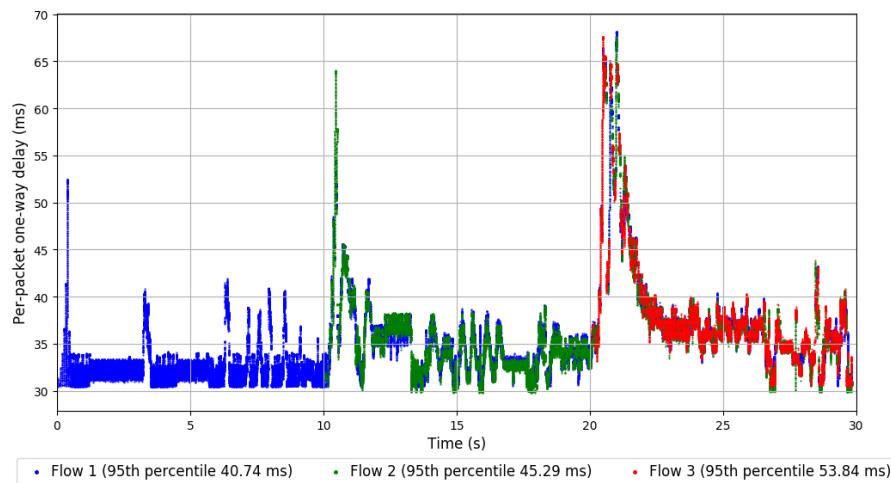
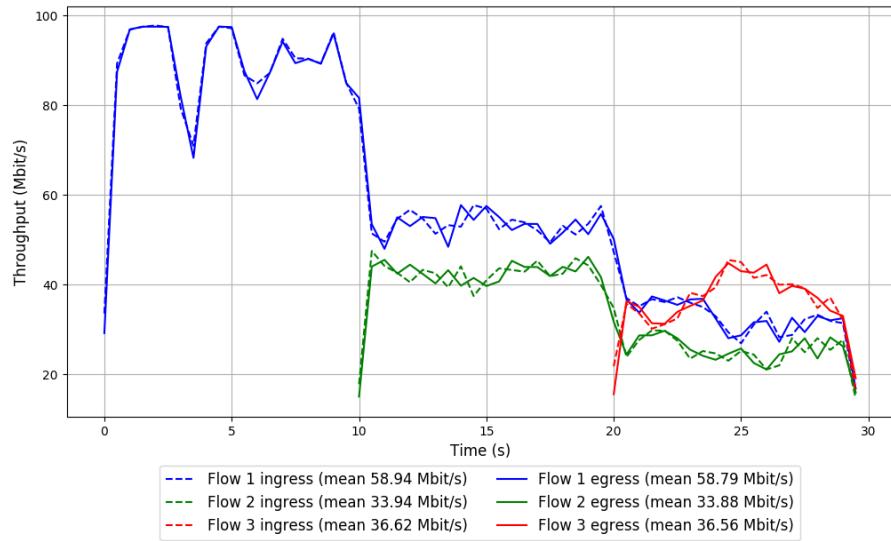


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-20 14:33:19
End at: 2018-02-20 14:33:49
Local clock offset: 1.433 ms
Remote clock offset: -0.927 ms

# Below is generated by plot.py at 2018-02-20 19:11:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 44.160 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 40.745 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 45.289 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 53.835 ms
Loss rate: 0.23%
```

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

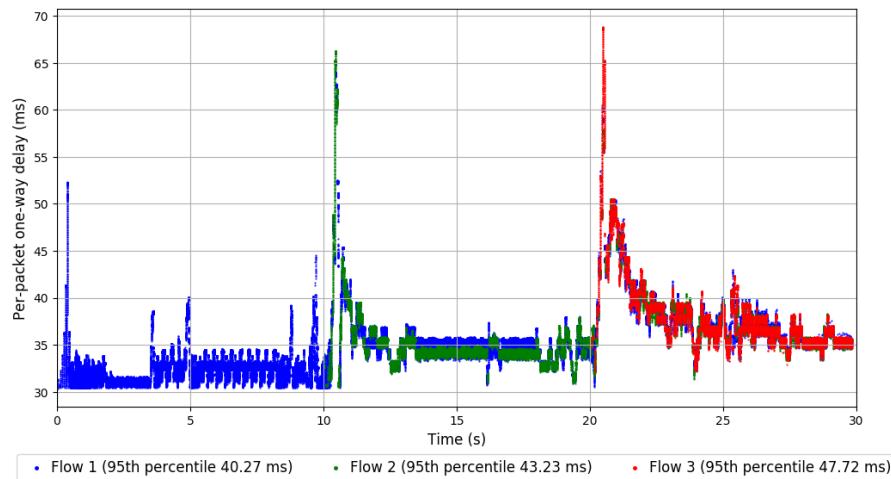
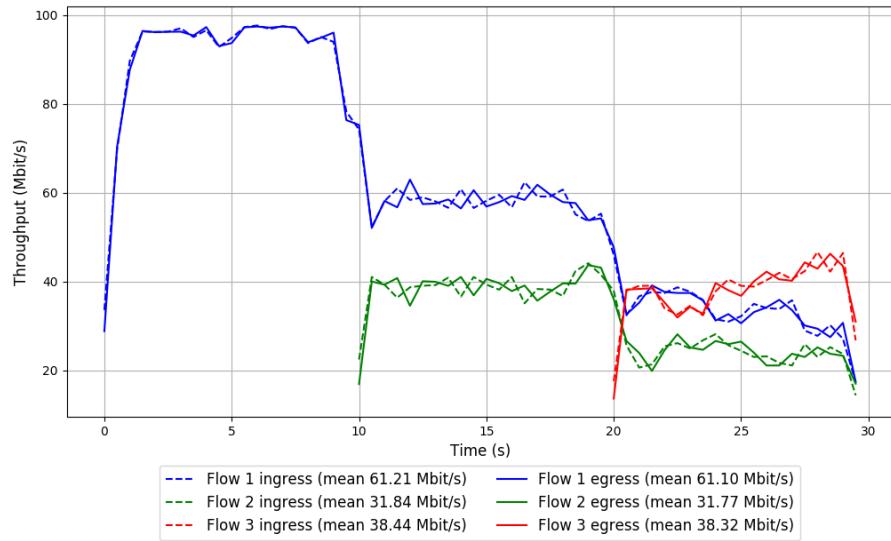


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-20 14:59:36
End at: 2018-02-20 15:00:06
Local clock offset: 1.441 ms
Remote clock offset: -2.614 ms

# Below is generated by plot.py at 2018-02-20 19:12:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 42.138 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 61.10 Mbit/s
95th percentile per-packet one-way delay: 40.275 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 43.229 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 38.32 Mbit/s
95th percentile per-packet one-way delay: 47.720 ms
Loss rate: 0.30%
```

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

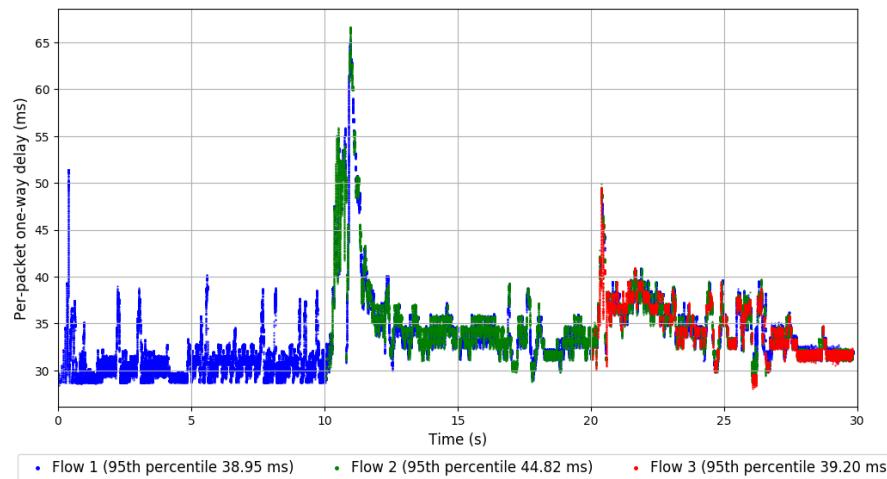
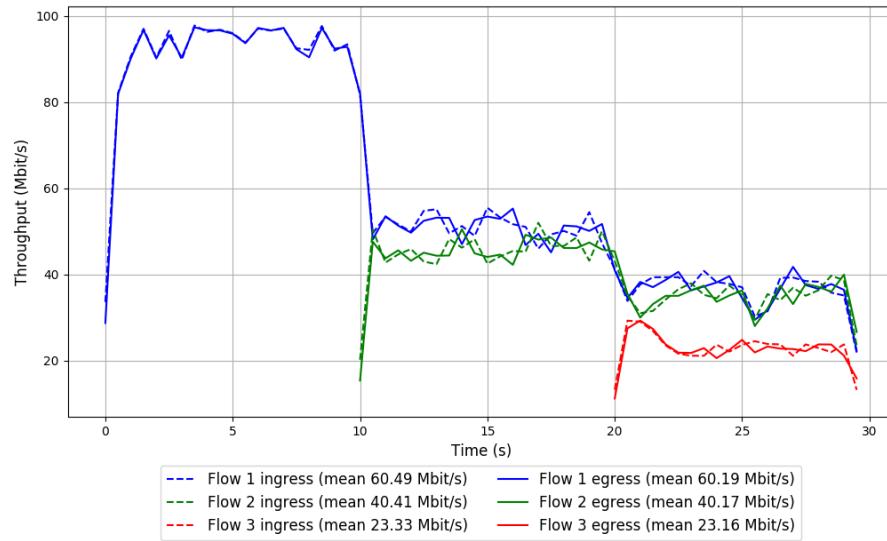


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-20 15:25:35
End at: 2018-02-20 15:26:05
Local clock offset: 1.265 ms
Remote clock offset: -7.753 ms

# Below is generated by plot.py at 2018-02-20 19:12:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 39.421 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 38.954 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 44.820 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 39.199 ms
Loss rate: 0.73%
```

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

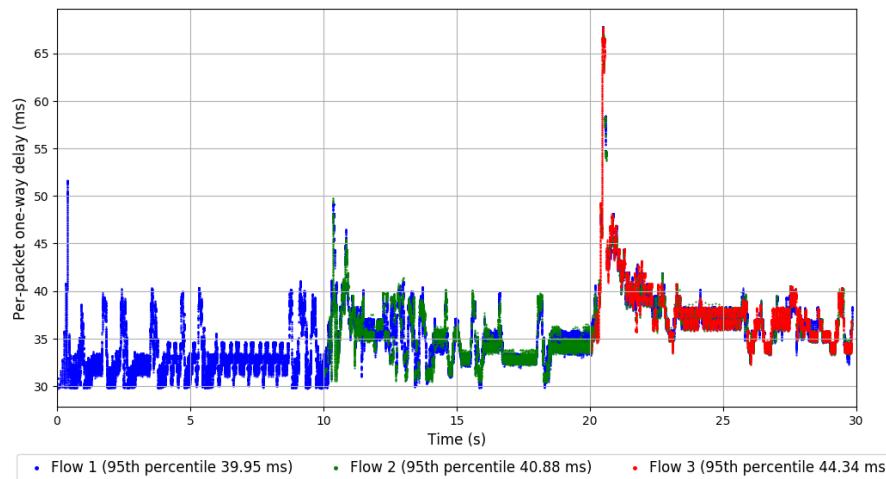
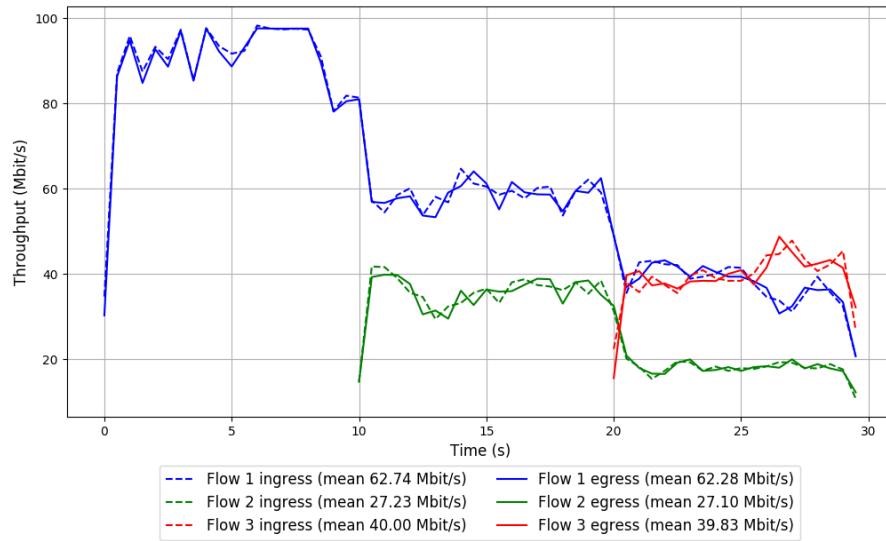


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-20 15:50:39
End at: 2018-02-20 15:51:09
Local clock offset: 2.595 ms
Remote clock offset: -4.57 ms

# Below is generated by plot.py at 2018-02-20 19:12:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 40.547 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 62.28 Mbit/s
95th percentile per-packet one-way delay: 39.946 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 40.875 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 44.338 ms
Loss rate: 0.38%
```

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

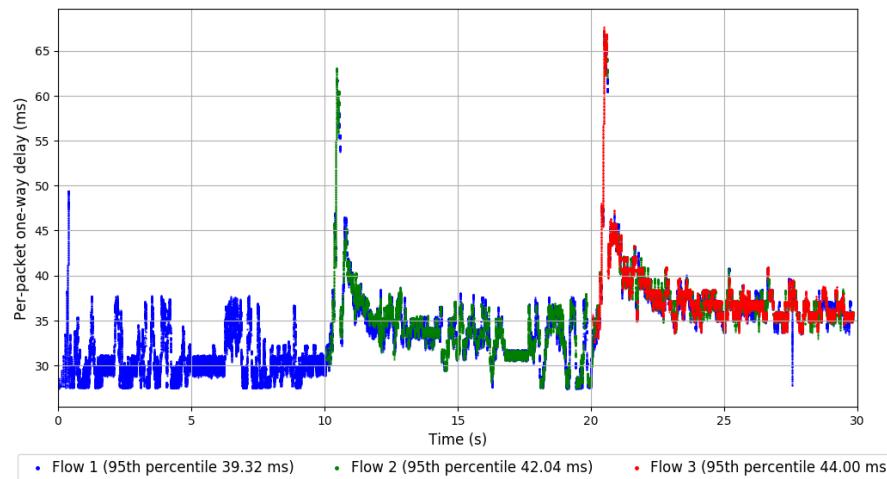
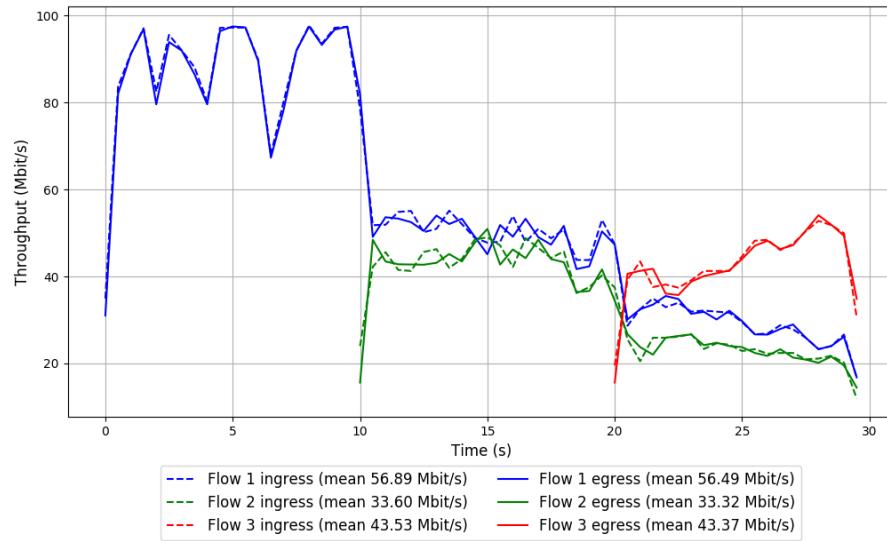


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-20 16:15:44
End at: 2018-02-20 16:16:14
Local clock offset: -2.103 ms
Remote clock offset: -5.441 ms

# Below is generated by plot.py at 2018-02-20 19:12:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 40.788 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 39.318 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 33.32 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 43.37 Mbit/s
95th percentile per-packet one-way delay: 43.996 ms
Loss rate: 0.36%
```

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

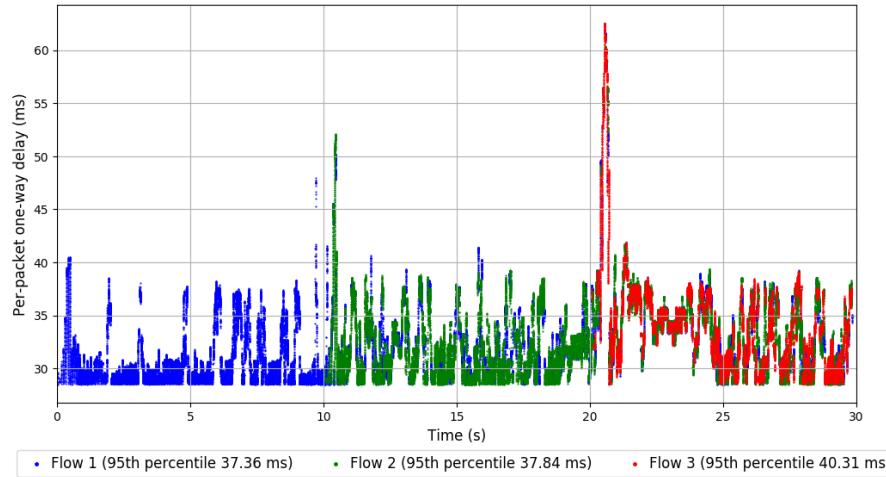
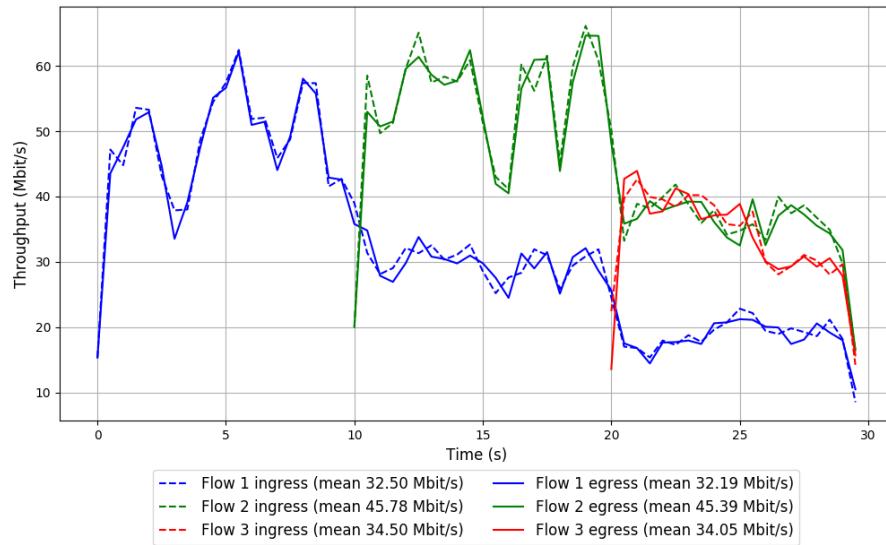


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-20 16:41:26
End at: 2018-02-20 16:41:56
Local clock offset: -4.666 ms
Remote clock offset: -4.398 ms

# Below is generated by plot.py at 2018-02-20 19:12:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 37.768 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 37.364 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 37.836 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 40.308 ms
Loss rate: 1.28%
```

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

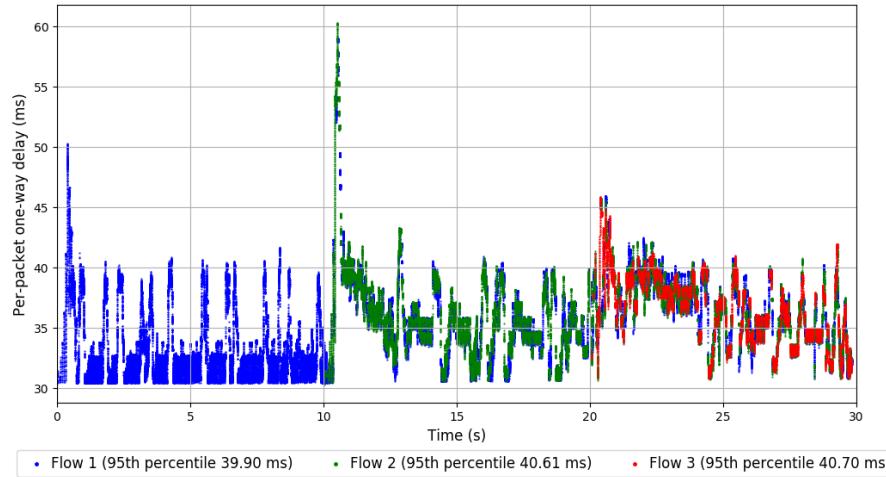
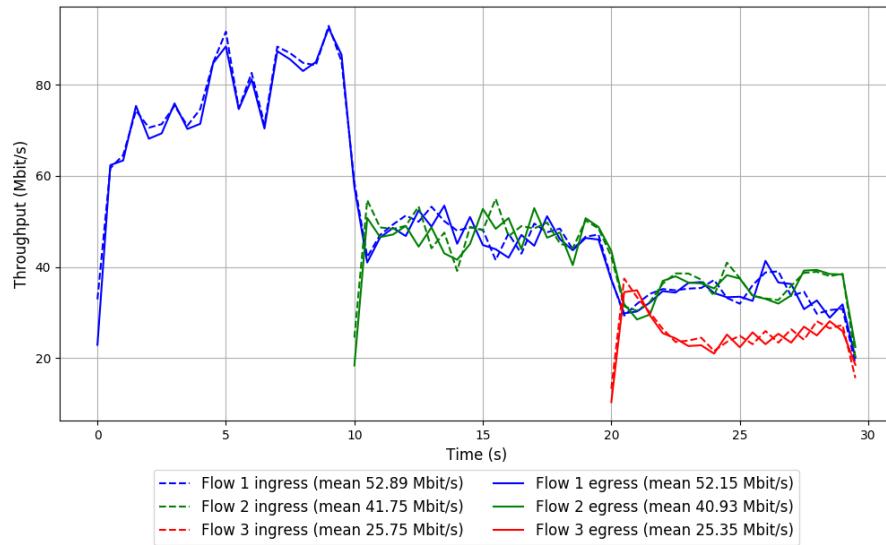


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-20 17:10:33
End at: 2018-02-20 17:11:03
Local clock offset: -6.281 ms
Remote clock offset: -10.659 ms

# Below is generated by plot.py at 2018-02-20 19:12:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 40.305 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 52.15 Mbit/s
95th percentile per-packet one-way delay: 39.899 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 40.606 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 40.698 ms
Loss rate: 1.56%
```

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

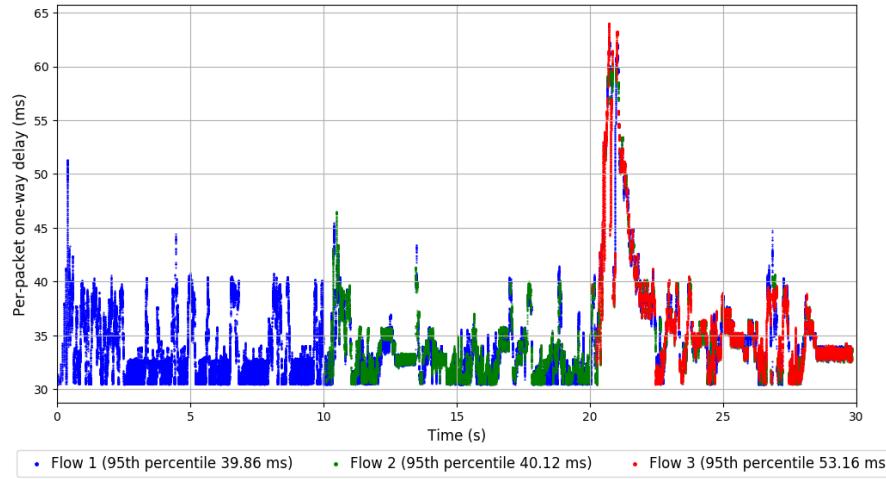
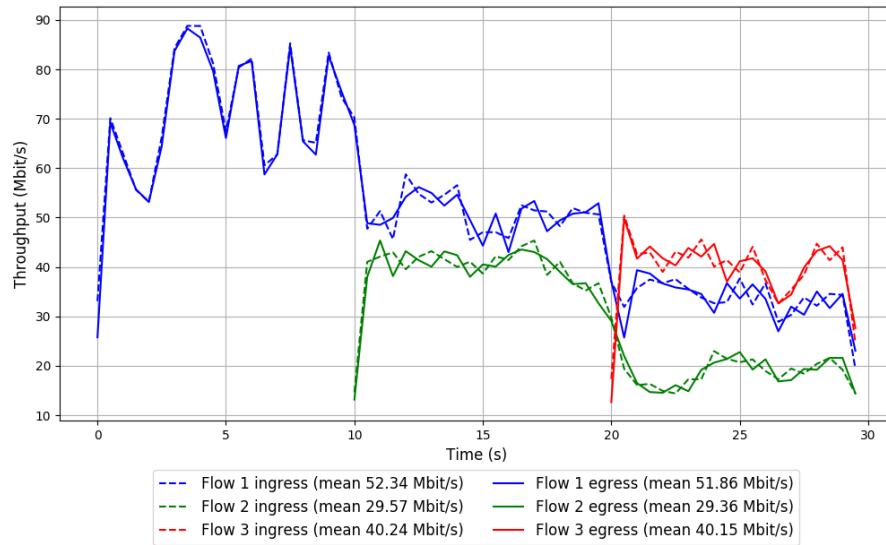


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-20 17:37:13
End at: 2018-02-20 17:37:43
Local clock offset: 1.457 ms
Remote clock offset: -3.226 ms

# Below is generated by plot.py at 2018-02-20 19:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 41.375 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 39.859 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 40.117 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 53.159 ms
Loss rate: 0.30%
```

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

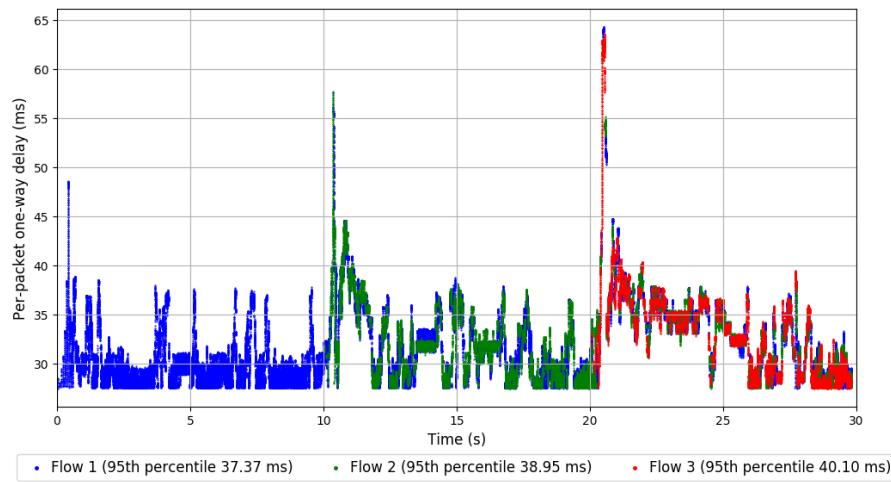
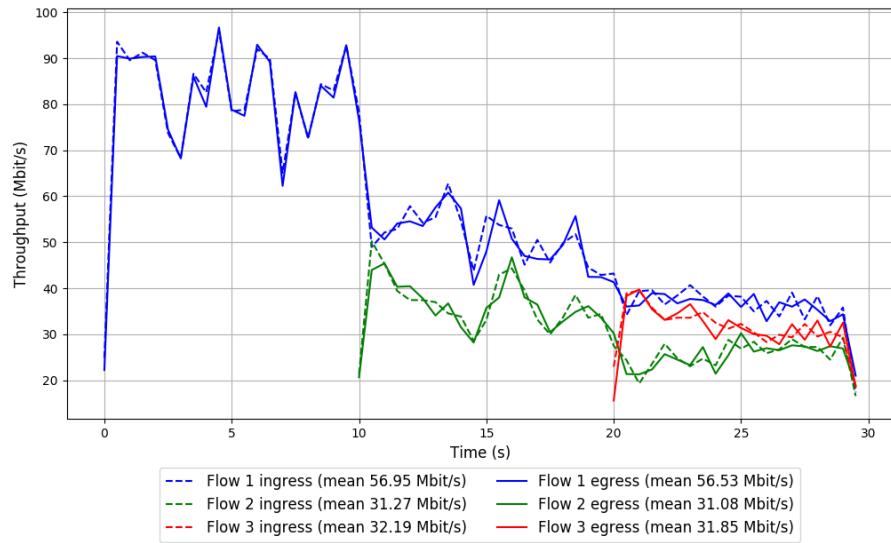


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-20 18:04:26
End at: 2018-02-20 18:04:56
Local clock offset: -4.01 ms
Remote clock offset: -5.045 ms

# Below is generated by plot.py at 2018-02-20 19:13:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 38.164 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 37.369 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 38.954 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 40.102 ms
Loss rate: 1.08%
```

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

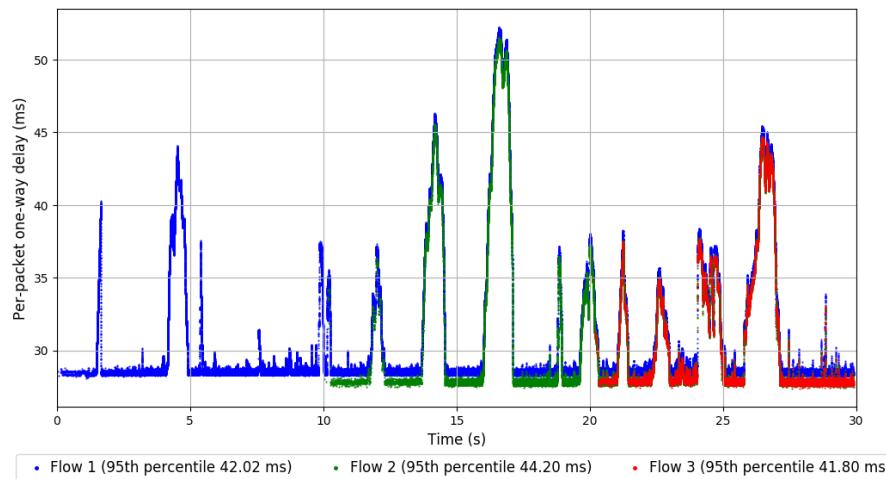
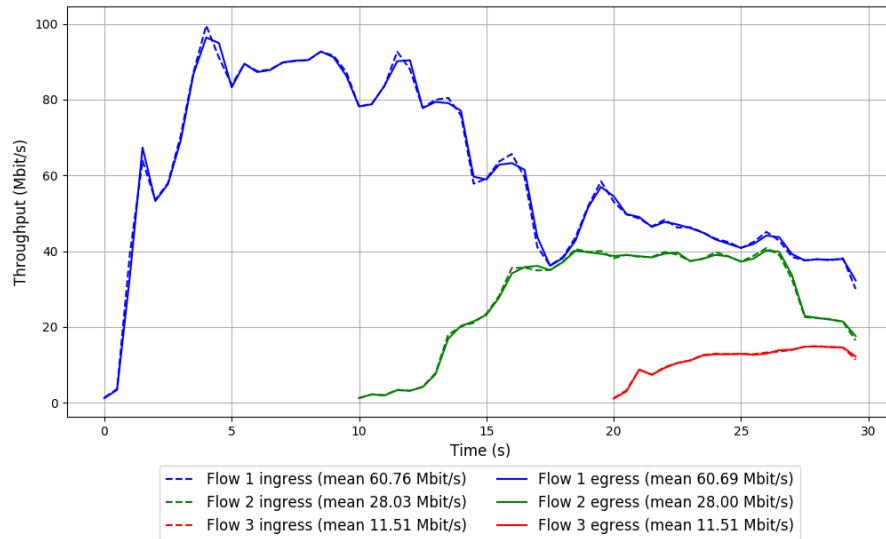


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-20 14:04:08
End at: 2018-02-20 14:04:38
Local clock offset: 1.793 ms
Remote clock offset: -3.154 ms

# Below is generated by plot.py at 2018-02-20 19:13:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 42.656 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.69 Mbit/s
95th percentile per-packet one-way delay: 42.019 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 44.196 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 41.799 ms
Loss rate: 0.12%
```

Run 1: Report of Vivace-latency — Data Link

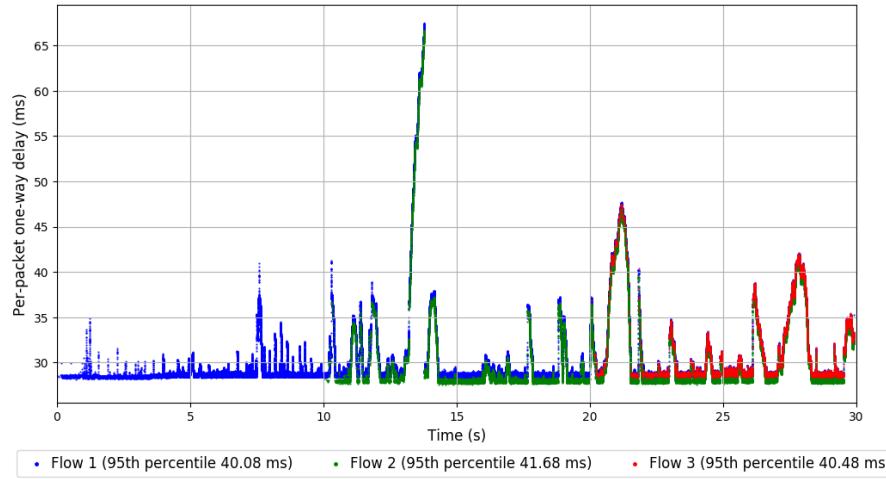
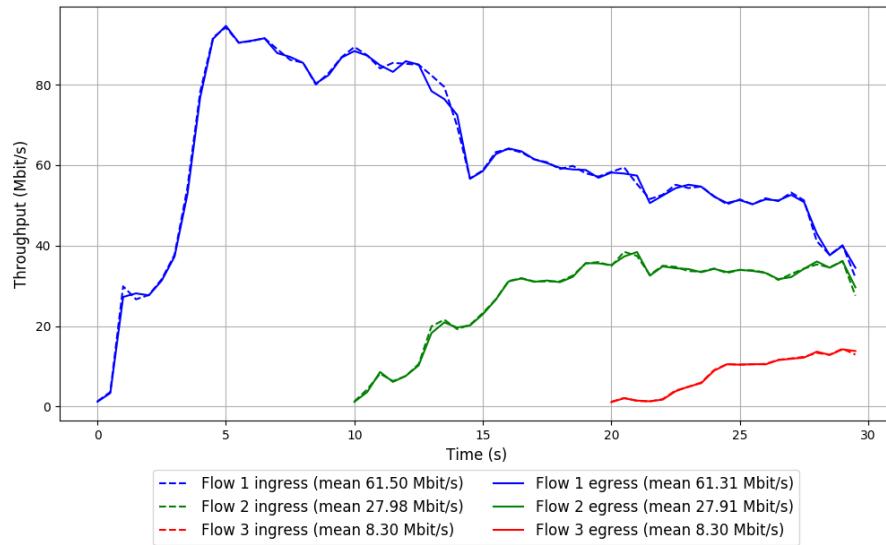


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-20 14:30:16
End at: 2018-02-20 14:30:46
Local clock offset: 1.372 ms
Remote clock offset: -2.767 ms

# Below is generated by plot.py at 2018-02-20 19:14:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.60 Mbit/s
95th percentile per-packet one-way delay: 40.713 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 61.31 Mbit/s
95th percentile per-packet one-way delay: 40.081 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 41.677 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 40.476 ms
Loss rate: 0.02%
```

Run 2: Report of Vivace-latency — Data Link

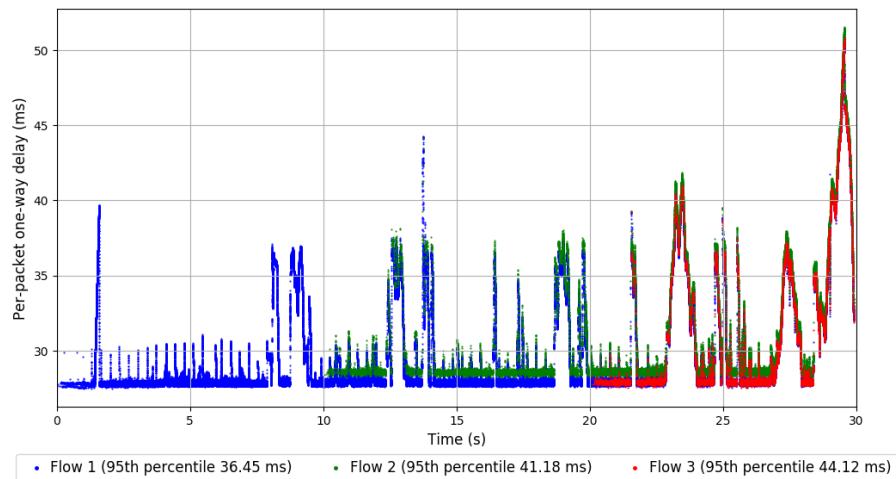
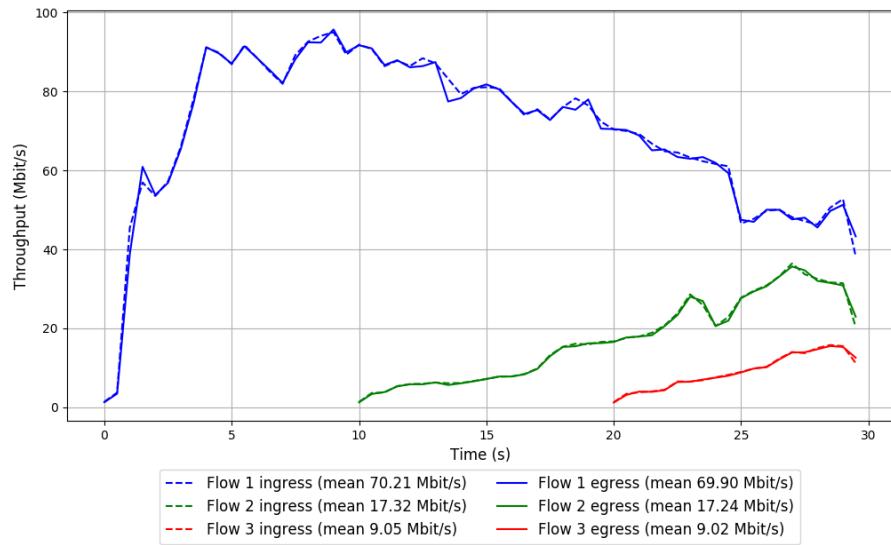


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-20 14:56:48
End at: 2018-02-20 14:57:18
Local clock offset: 1.559 ms
Remote clock offset: -4.561 ms

# Below is generated by plot.py at 2018-02-20 19:14:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 37.382 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 36.450 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 41.181 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 44.116 ms
Loss rate: 0.27%
```

Run 3: Report of Vivace-latency — Data Link

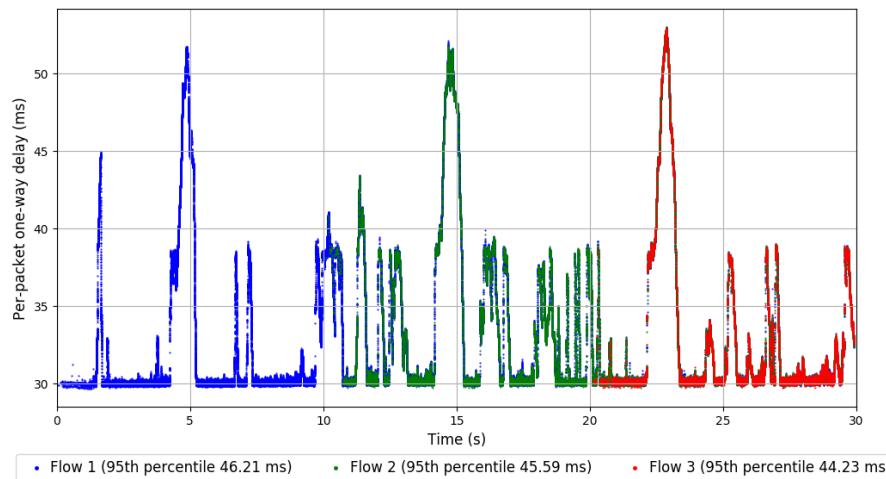
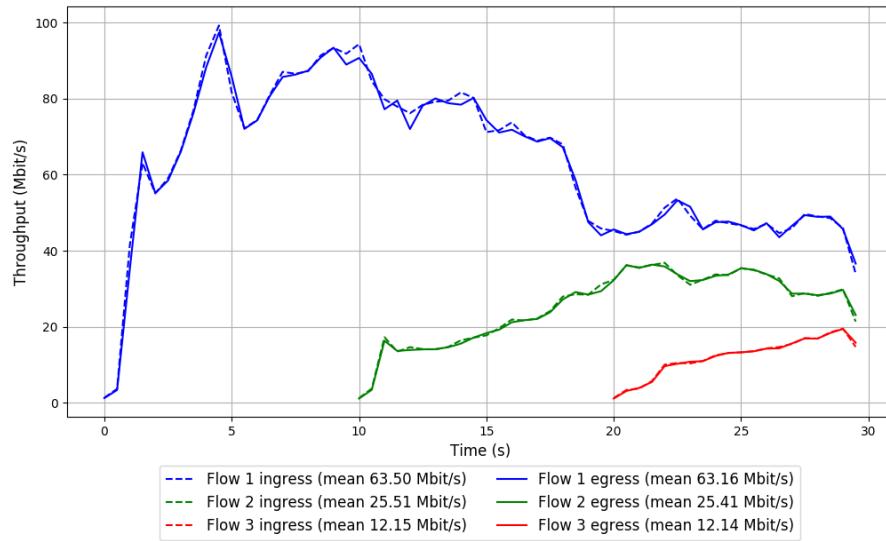


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-20 15:22:44
End at: 2018-02-20 15:23:14
Local clock offset: 1.319 ms
Remote clock offset: -5.526 ms

# Below is generated by plot.py at 2018-02-20 19:14:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 46.012 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 46.208 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 45.589 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 44.227 ms
Loss rate: 0.16%
```

Run 4: Report of Vivace-latency — Data Link

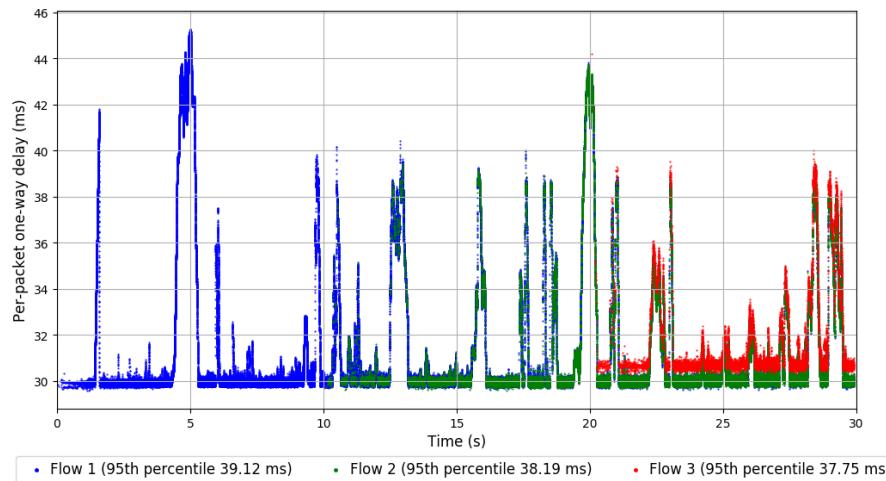
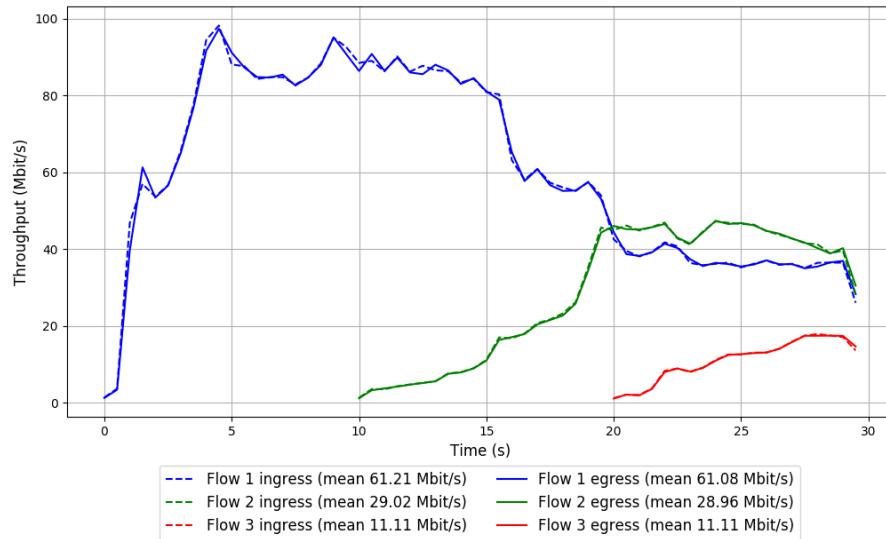


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-20 15:47:48
End at: 2018-02-20 15:48:18
Local clock offset: 2.511 ms
Remote clock offset: -4.784 ms

# Below is generated by plot.py at 2018-02-20 19:14:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 38.634 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 61.08 Mbit/s
95th percentile per-packet one-way delay: 39.115 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 38.189 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 37.750 ms
Loss rate: 0.12%
```

Run 5: Report of Vivace-latency — Data Link

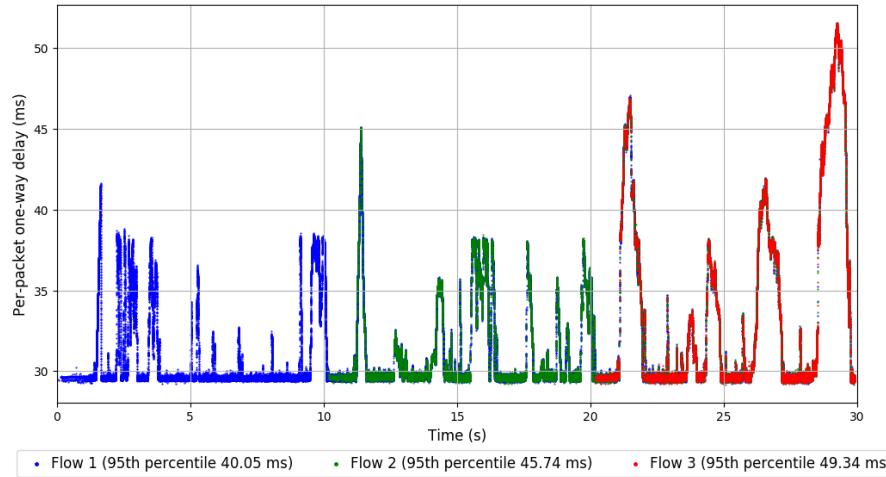
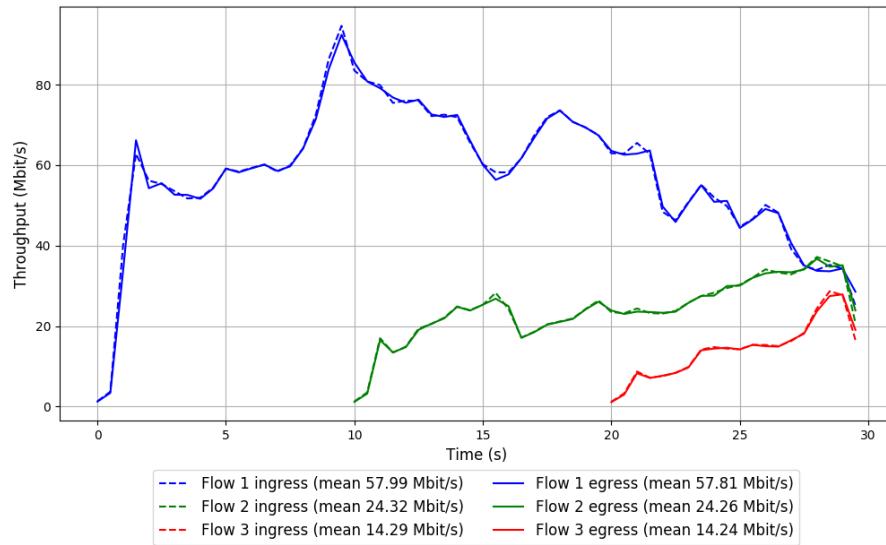


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-20 16:12:59
End at: 2018-02-20 16:13:29
Local clock offset: -1.468 ms
Remote clock offset: -3.658 ms

# Below is generated by plot.py at 2018-02-20 19:14:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 43.004 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 40.055 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 45.739 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 14.24 Mbit/s
95th percentile per-packet one-way delay: 49.344 ms
Loss rate: 0.37%
```

Run 6: Report of Vivace-latency — Data Link

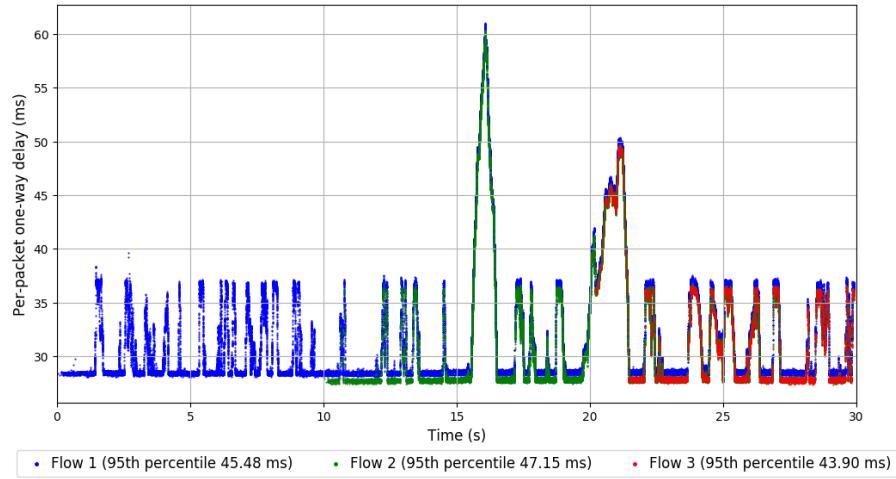
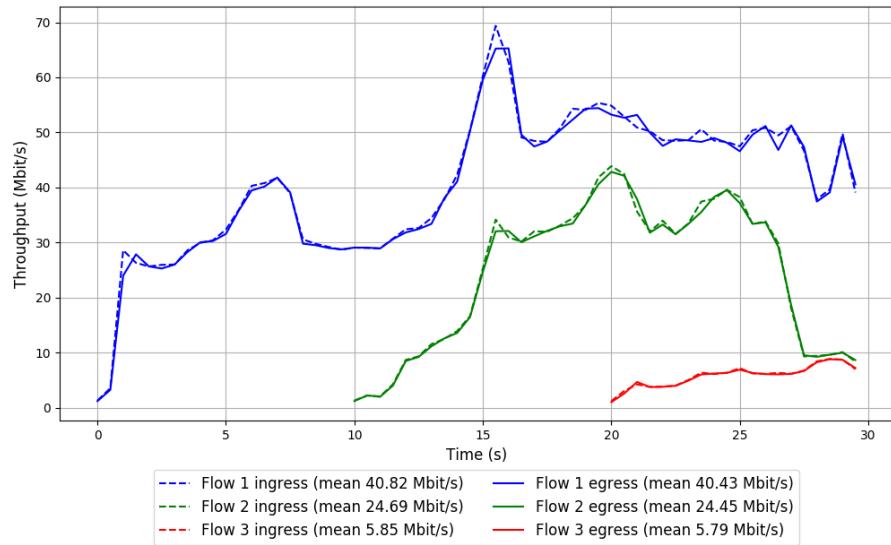


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-20 16:38:14
End at: 2018-02-20 16:38:44
Local clock offset: -4.553 ms
Remote clock offset: -4.693 ms

# Below is generated by plot.py at 2018-02-20 19:14:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 45.668 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 45.485 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 47.148 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 43.904 ms
Loss rate: 1.19%
```

Run 7: Report of Vivace-latency — Data Link

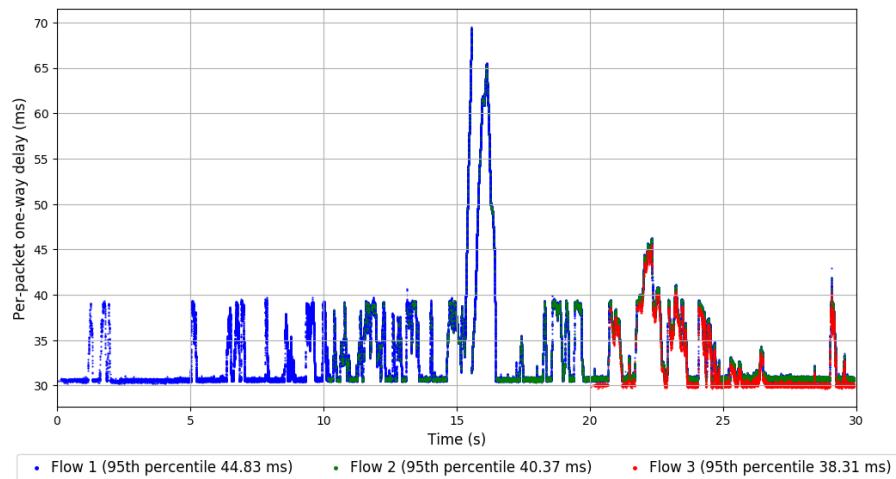
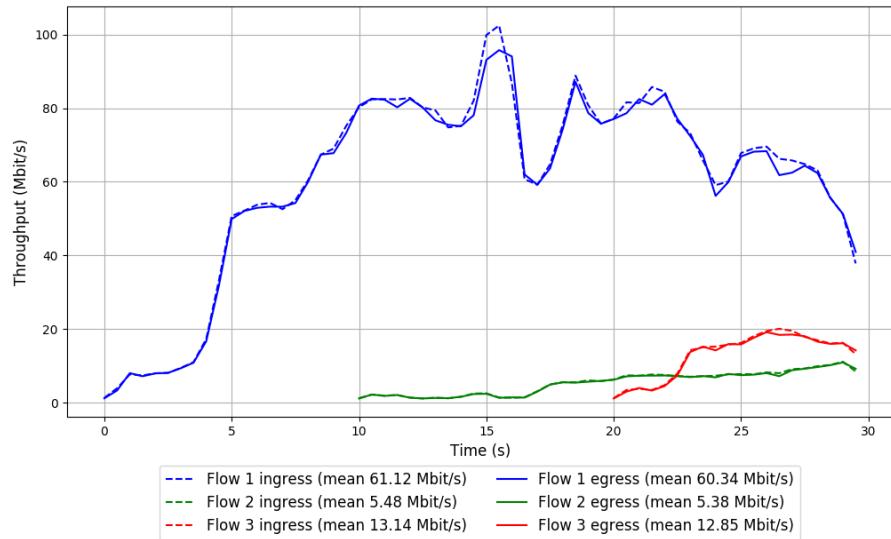


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-20 17:07:33
End at: 2018-02-20 17:08:03
Local clock offset: -6.099 ms
Remote clock offset: -10.287 ms

# Below is generated by plot.py at 2018-02-20 19:14:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.16 Mbit/s
95th percentile per-packet one-way delay: 44.206 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 44.828 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 40.365 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 38.313 ms
Loss rate: 2.18%
```

Run 8: Report of Vivace-latency — Data Link

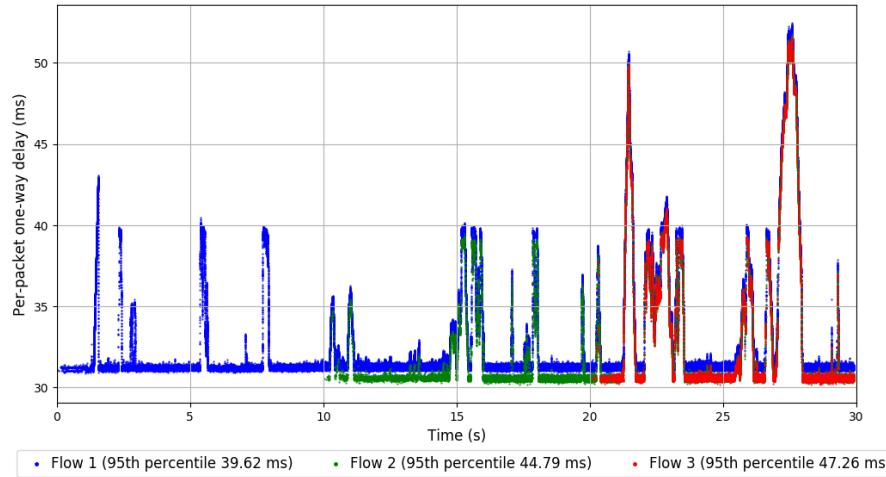
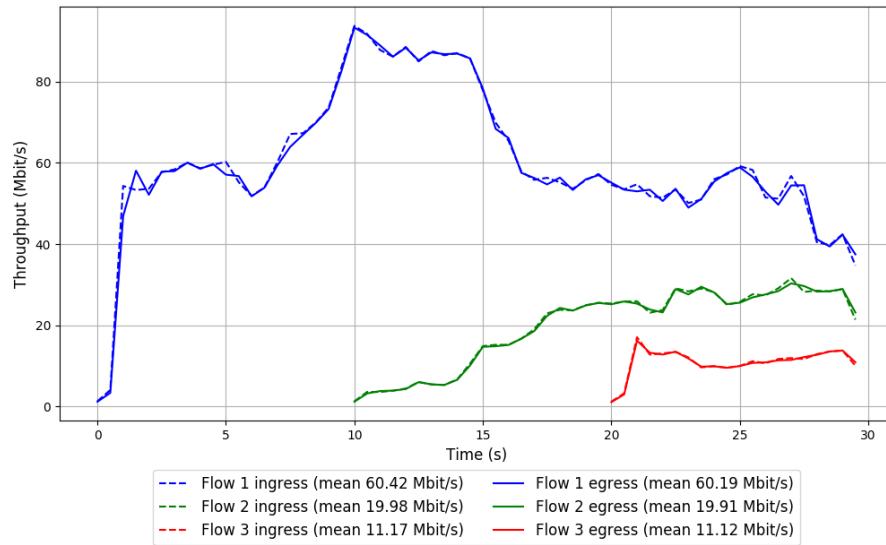


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-20 17:34:11
End at: 2018-02-20 17:34:41
Local clock offset: 1.181 ms
Remote clock offset: -3.149 ms

# Below is generated by plot.py at 2018-02-20 19:15:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 40.133 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 39.625 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 44.788 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 47.263 ms
Loss rate: 0.44%
```

Run 9: Report of Vivace-latency — Data Link

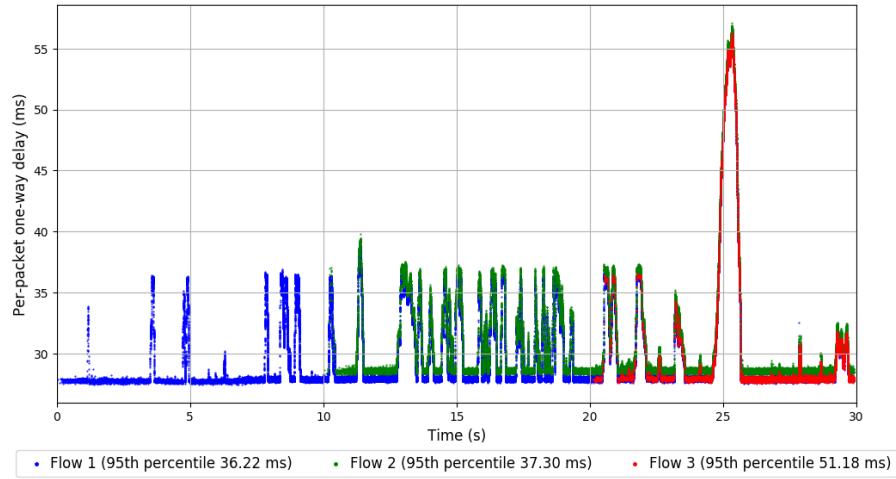
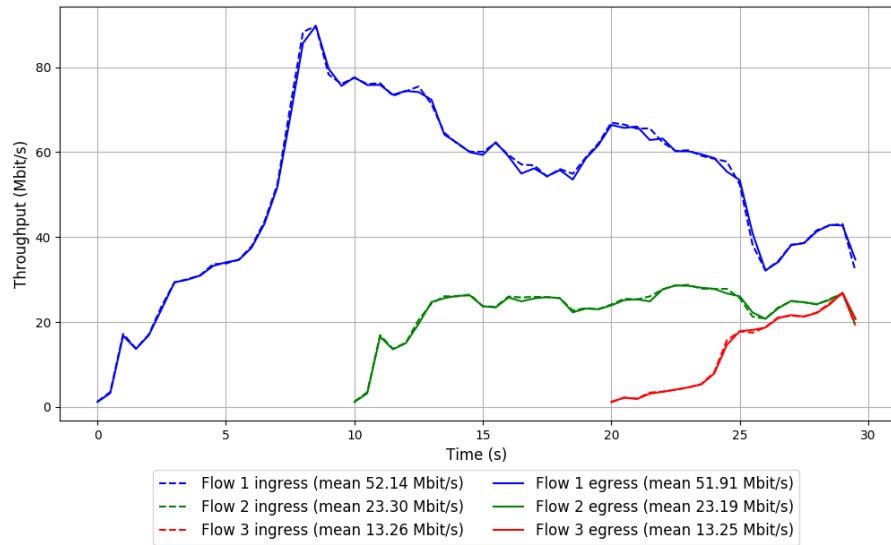


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-20 18:01:22
End at: 2018-02-20 18:01:52
Local clock offset: -3.573 ms
Remote clock offset: -4.719 ms

# Below is generated by plot.py at 2018-02-20 19:15:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.69 Mbit/s
95th percentile per-packet one-way delay: 36.634 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 36.221 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 37.301 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 51.182 ms
Loss rate: 0.10%
```

Run 10: Report of Vivace-latency — Data Link

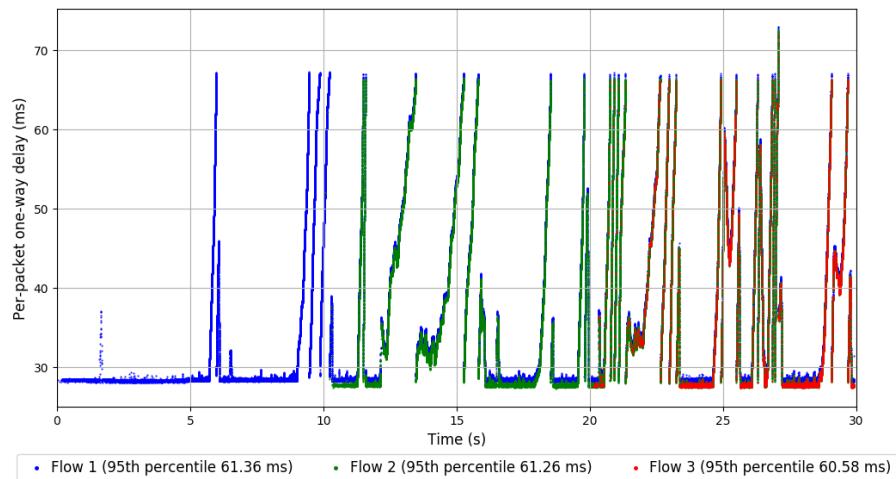
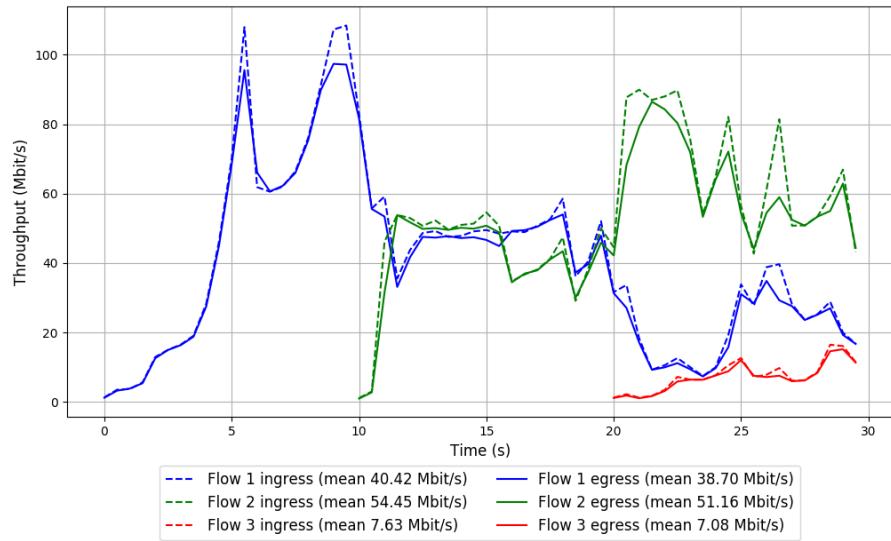


```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-02-20 14:01:05
End at: 2018-02-20 14:01:35
Local clock offset: 1.957 ms
Remote clock offset: -3.543 ms

# Below is generated by plot.py at 2018-02-20 19:15:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 61.285 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 61.357 ms
Loss rate: 4.25%
-- Flow 2:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 61.258 ms
Loss rate: 6.16%
-- Flow 3:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 60.576 ms
Loss rate: 7.12%
```

Run 1: Report of Vivace-loss — Data Link

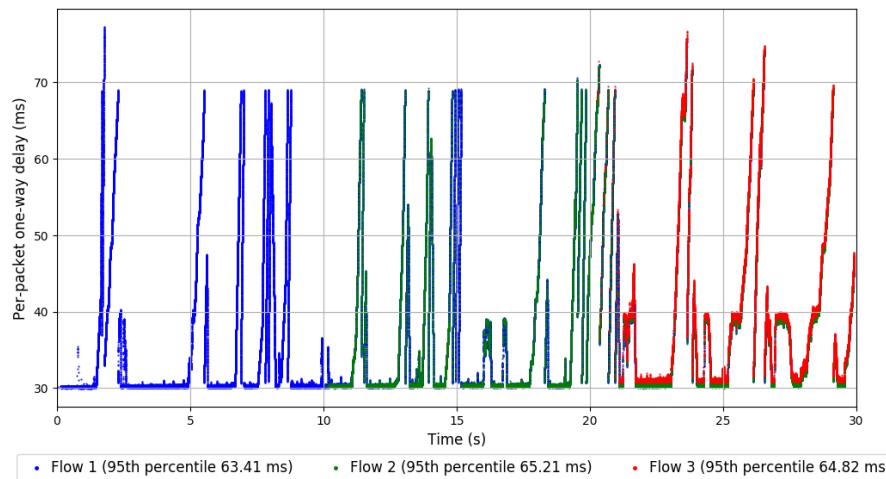
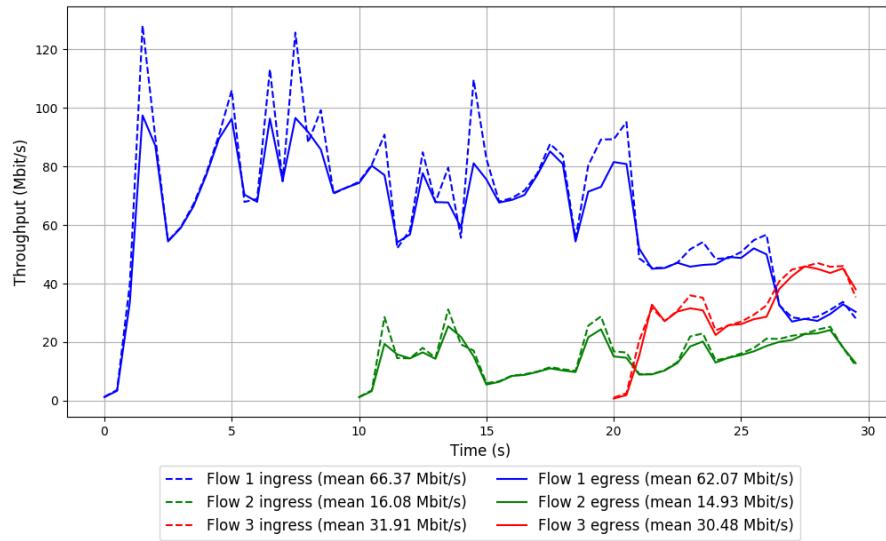


Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-20 14:27:17
End at: 2018-02-20 14:27:47
Local clock offset: 1.505 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-02-20 19:15:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 63.783 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 63.405 ms
Loss rate: 6.43%
-- Flow 2:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 65.207 ms
Loss rate: 7.12%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 64.820 ms
Loss rate: 4.56%
```

Run 2: Report of Vivace-loss — Data Link

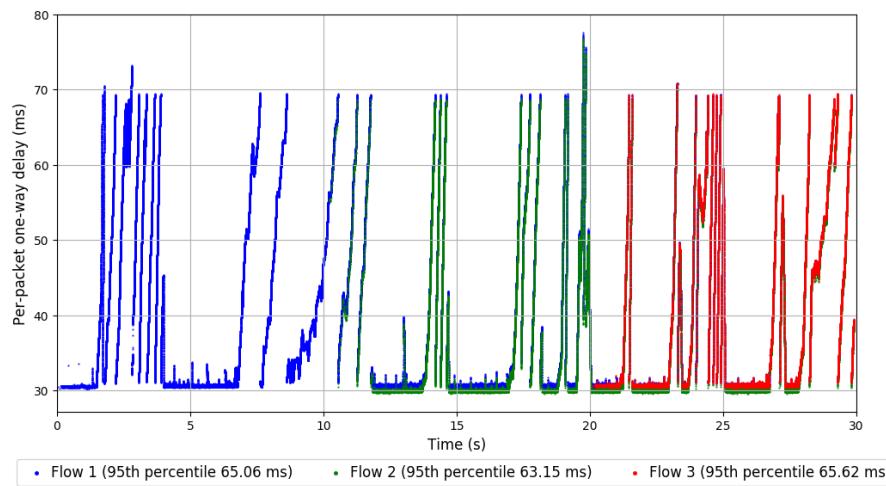
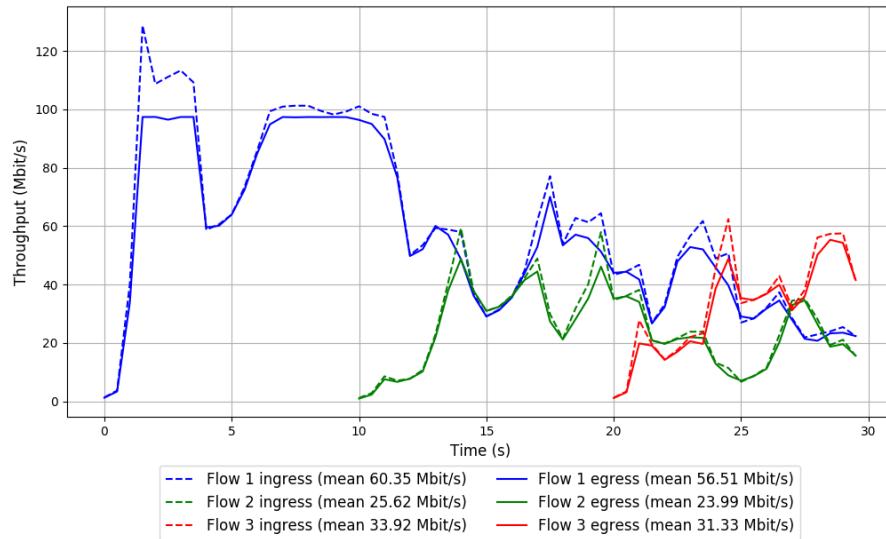


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-20 14:53:56
End at: 2018-02-20 14:54:26
Local clock offset: 1.674 ms
Remote clock offset: -2.35 ms

# Below is generated by plot.py at 2018-02-20 19:15:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 64.881 ms
Loss rate: 6.50%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 65.062 ms
Loss rate: 6.34%
-- Flow 2:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 63.151 ms
Loss rate: 6.41%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 65.622 ms
Loss rate: 7.54%
```

Run 3: Report of Vivace-loss — Data Link

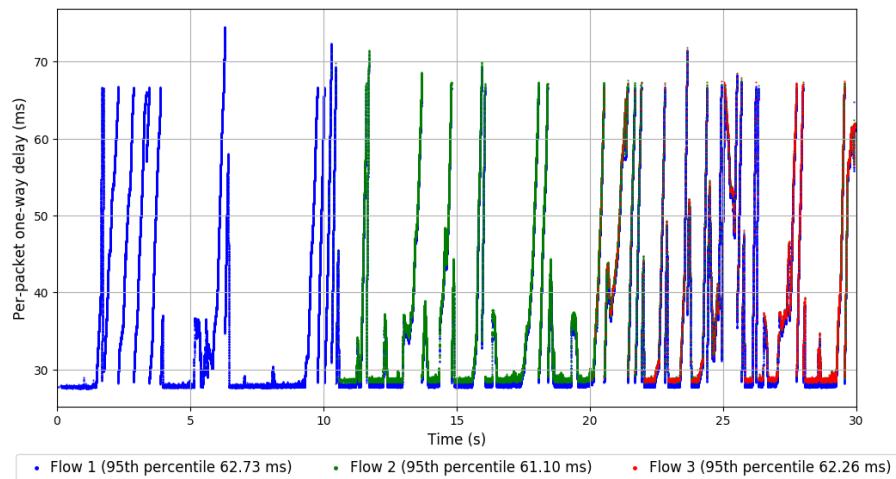
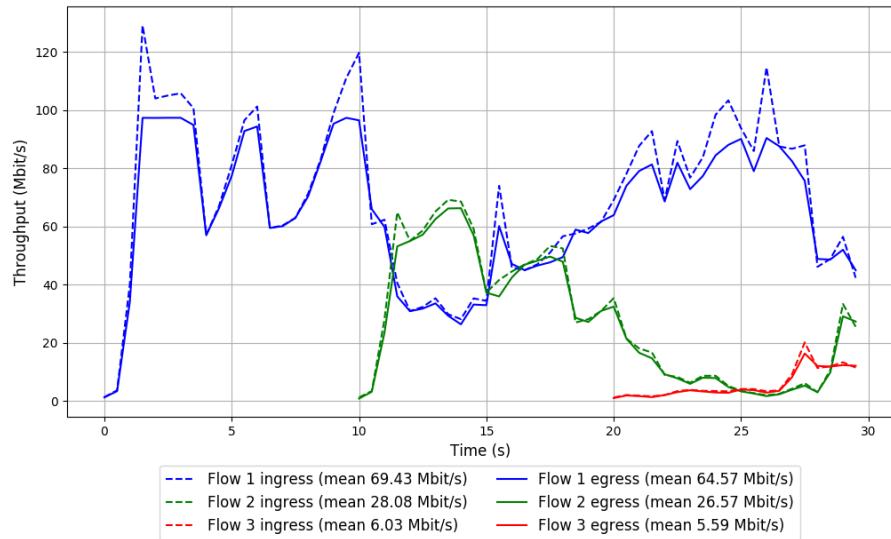


Run 4: Statistics of Vivace-loss

```
Start at: 2018-02-20 15:19:47
End at: 2018-02-20 15:20:17
Local clock offset: 1.213 ms
Remote clock offset: -7.403 ms

# Below is generated by plot.py at 2018-02-20 19:15:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 62.341 ms
Loss rate: 6.55%
-- Flow 1:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 62.727 ms
Loss rate: 6.89%
-- Flow 2:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 61.103 ms
Loss rate: 5.25%
-- Flow 3:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 62.255 ms
Loss rate: 6.99%
```

Run 4: Report of Vivace-loss — Data Link

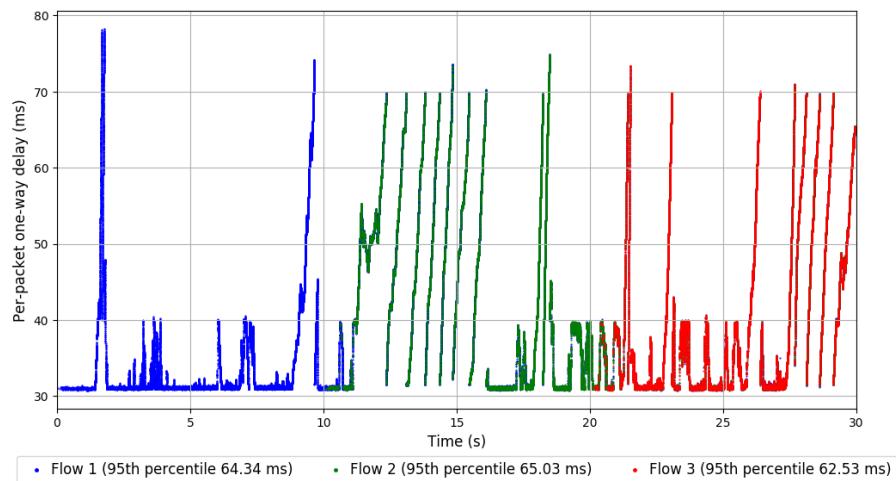
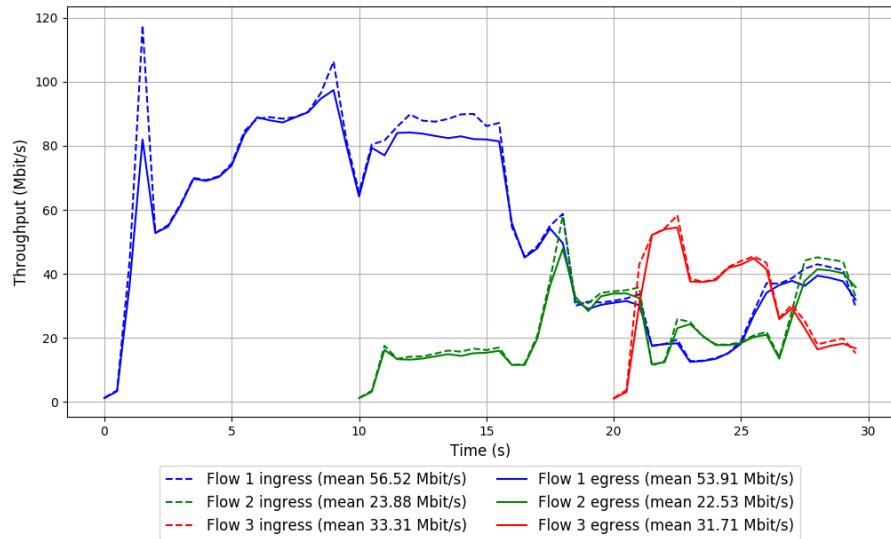


Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-20 15:44:55
End at: 2018-02-20 15:45:25
Local clock offset: 2.375 ms
Remote clock offset: -4.62 ms

# Below is generated by plot.py at 2018-02-20 19:15:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 64.341 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 64.345 ms
Loss rate: 4.51%
-- Flow 2:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 65.029 ms
Loss rate: 5.49%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 62.531 ms
Loss rate: 4.50%
```

Run 5: Report of Vivace-loss — Data Link

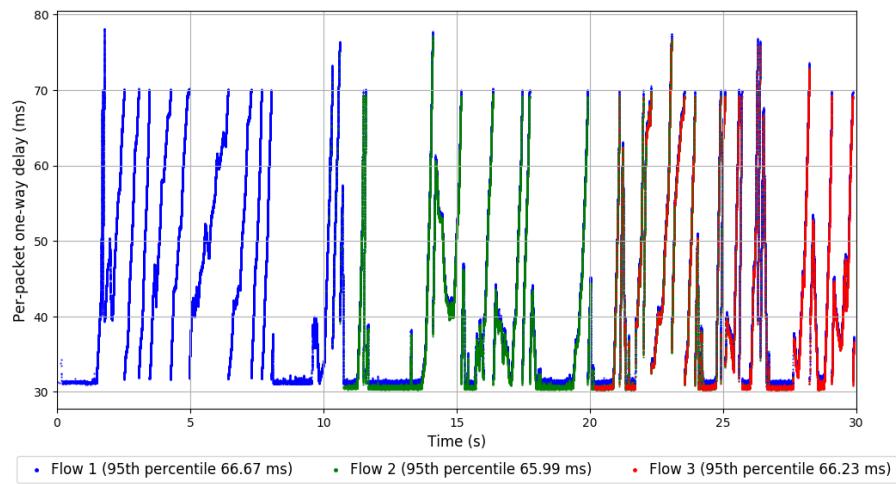
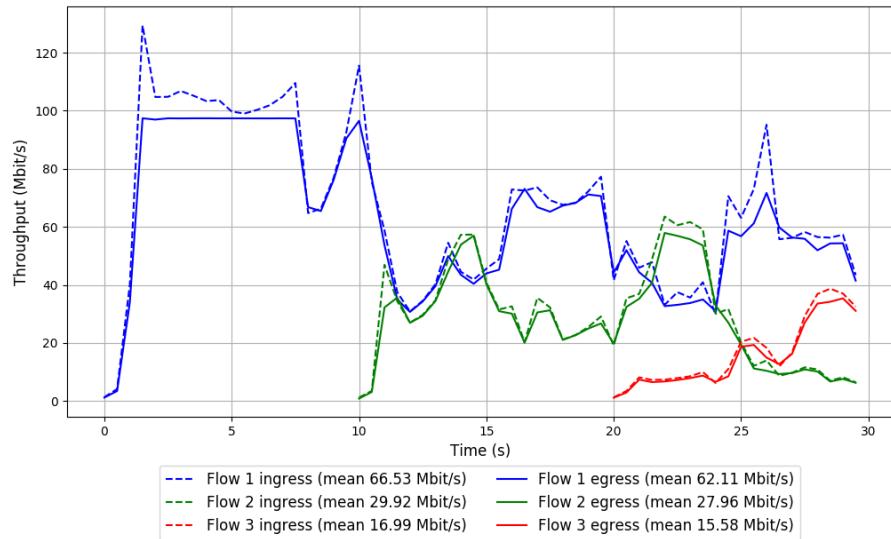


Run 6: Statistics of Vivace-loss

```
Start at: 2018-02-20 16:10:12
End at: 2018-02-20 16:10:42
Local clock offset: -0.634 ms
Remote clock offset: -2.768 ms

# Below is generated by plot.py at 2018-02-20 19:15:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 66.460 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 66.669 ms
Loss rate: 6.63%
-- Flow 2:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 65.994 ms
Loss rate: 6.54%
-- Flow 3:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 66.230 ms
Loss rate: 8.29%
```

Run 6: Report of Vivace-loss — Data Link

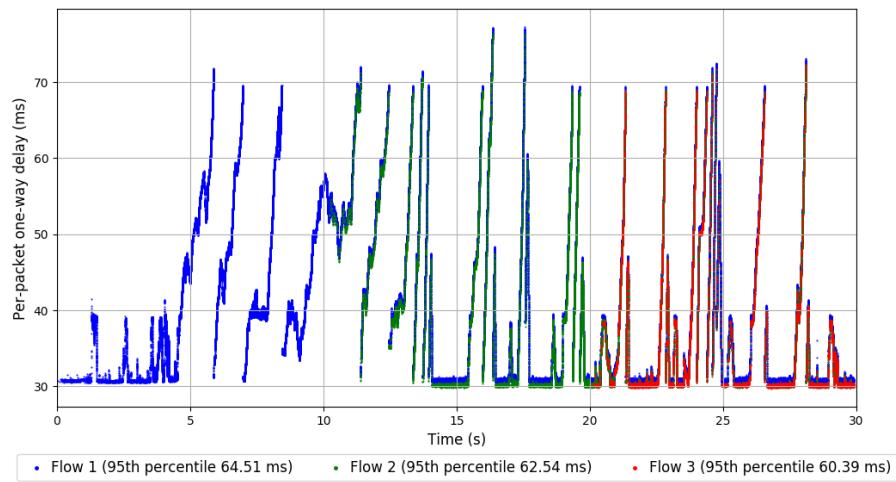
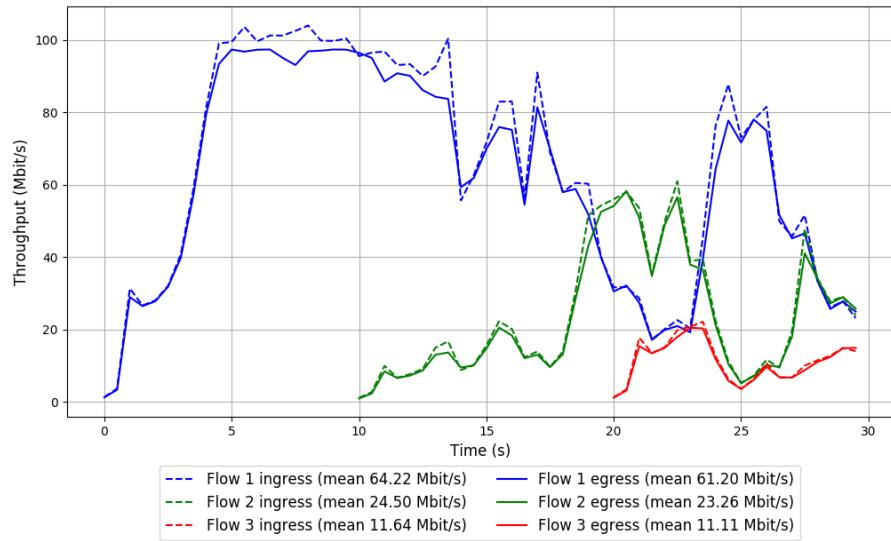


Run 7: Statistics of Vivace-loss

```
Start at: 2018-02-20 16:35:16
End at: 2018-02-20 16:35:46
Local clock offset: -4.446 ms
Remote clock offset: -2.52 ms

# Below is generated by plot.py at 2018-02-20 19:16:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: 64.051 ms
Loss rate: 4.80%
-- Flow 1:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 64.508 ms
Loss rate: 4.72%
-- Flow 2:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 62.539 ms
Loss rate: 5.19%
-- Flow 3:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 60.393 ms
Loss rate: 4.60%
```

Run 7: Report of Vivace-loss — Data Link

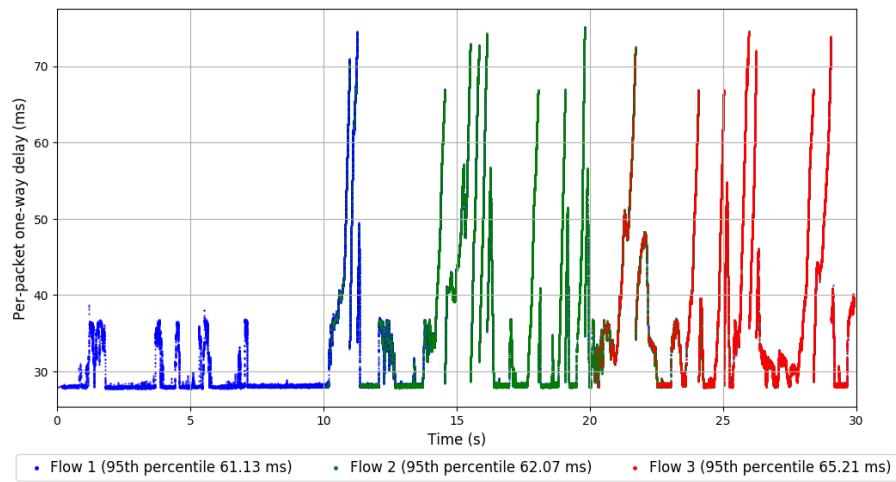
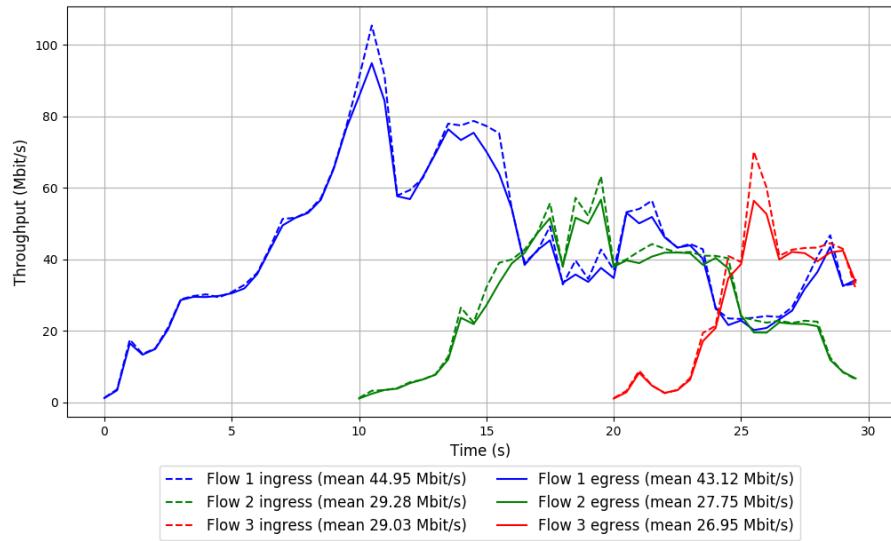


Run 8: Statistics of Vivace-loss

```
Start at: 2018-02-20 17:04:39
End at: 2018-02-20 17:05:09
Local clock offset: -5.938 ms
Remote clock offset: -11.833 ms

# Below is generated by plot.py at 2018-02-20 19:16:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 61.978 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 61.126 ms
Loss rate: 4.03%
-- Flow 2:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 62.074 ms
Loss rate: 5.19%
-- Flow 3:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 65.206 ms
Loss rate: 7.11%
```

Run 8: Report of Vivace-loss — Data Link

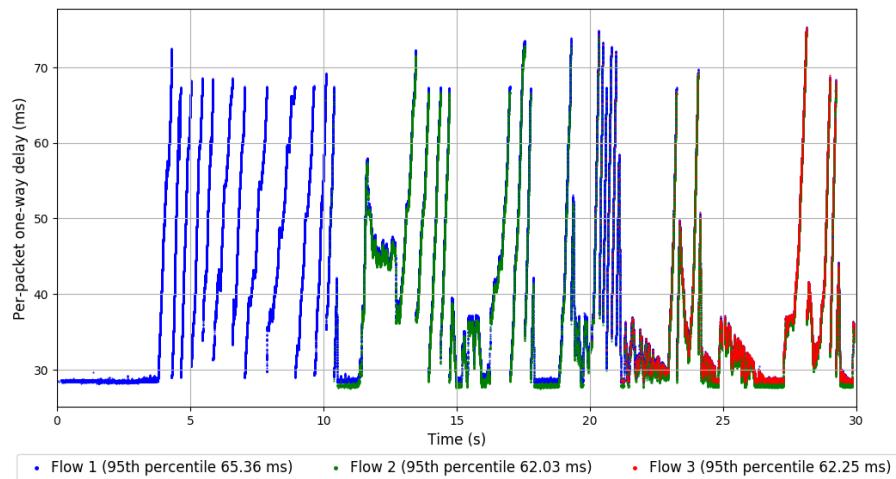
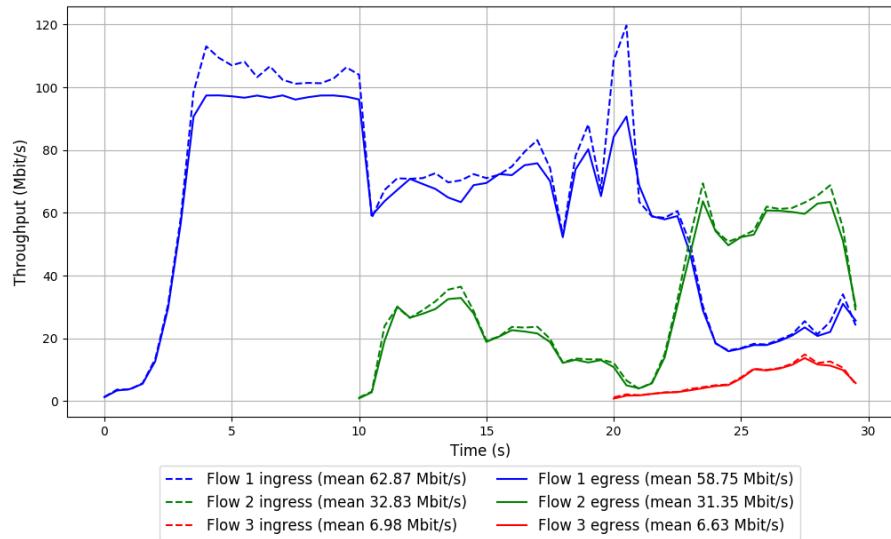


Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-20 17:31:12
End at: 2018-02-20 17:31:42
Local clock offset: 0.859 ms
Remote clock offset: -6.406 ms

# Below is generated by plot.py at 2018-02-20 19:16:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 64.827 ms
Loss rate: 6.02%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 65.357 ms
Loss rate: 6.54%
-- Flow 2:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 62.028 ms
Loss rate: 4.65%
-- Flow 3:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 62.251 ms
Loss rate: 4.96%
```

Run 9: Report of Vivace-loss — Data Link

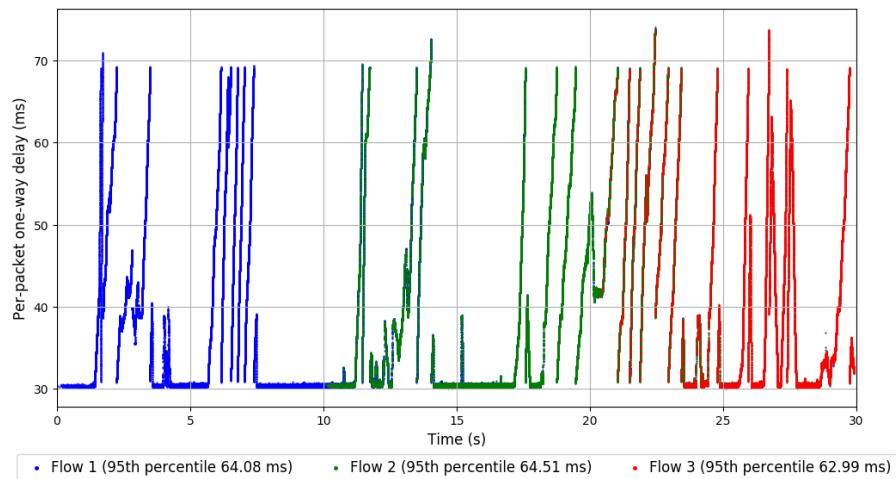
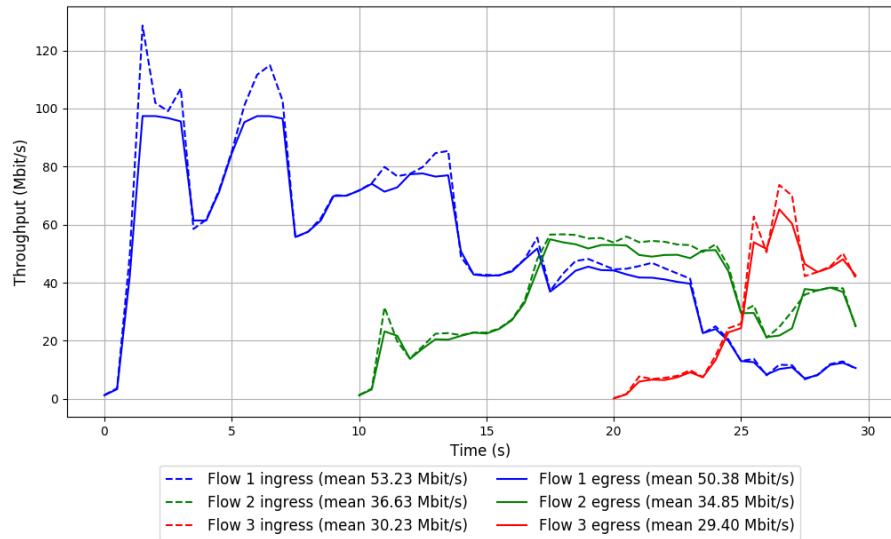


Run 10: Statistics of Vivace-loss

```
Start at: 2018-02-20 17:58:16
End at: 2018-02-20 17:58:46
Local clock offset: -2.986 ms
Remote clock offset: -1.949 ms

# Below is generated by plot.py at 2018-02-20 19:16:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 64.077 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 64.081 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 64.514 ms
Loss rate: 4.86%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 62.994 ms
Loss rate: 5.35%
```

Run 10: Report of Vivace-loss — Data Link

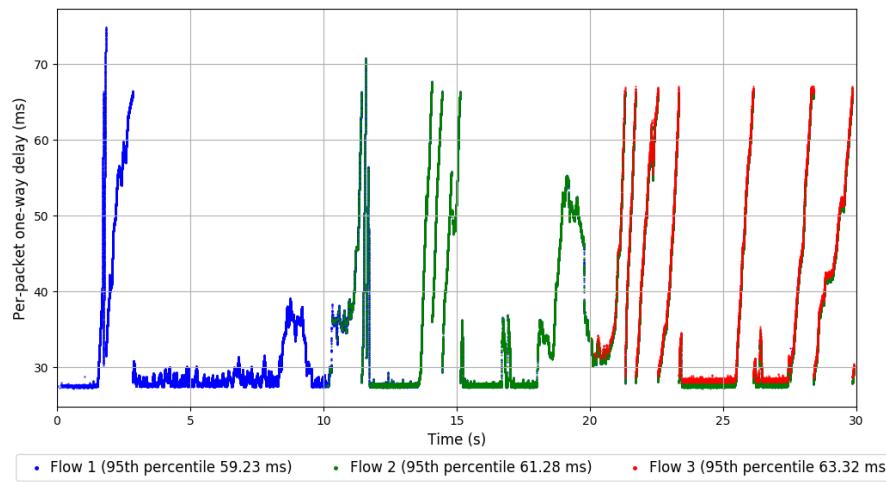
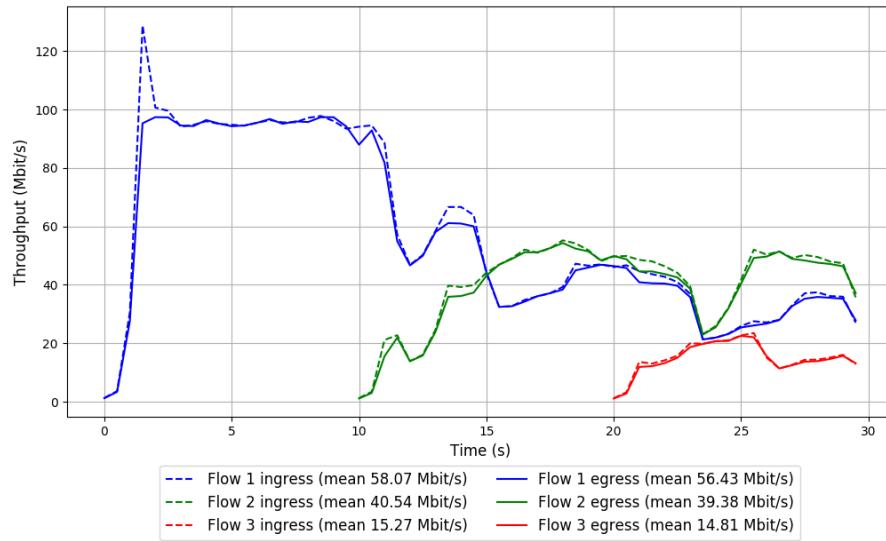


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-20 14:02:36
End at: 2018-02-20 14:03:06
Local clock offset: 1.877 ms
Remote clock offset: -3.459 ms

# Below is generated by plot.py at 2018-02-20 19:16:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 60.337 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 59.227 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 61.280 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 63.320 ms
Loss rate: 3.02%
```

Run 1: Report of Vivace-LTE — Data Link

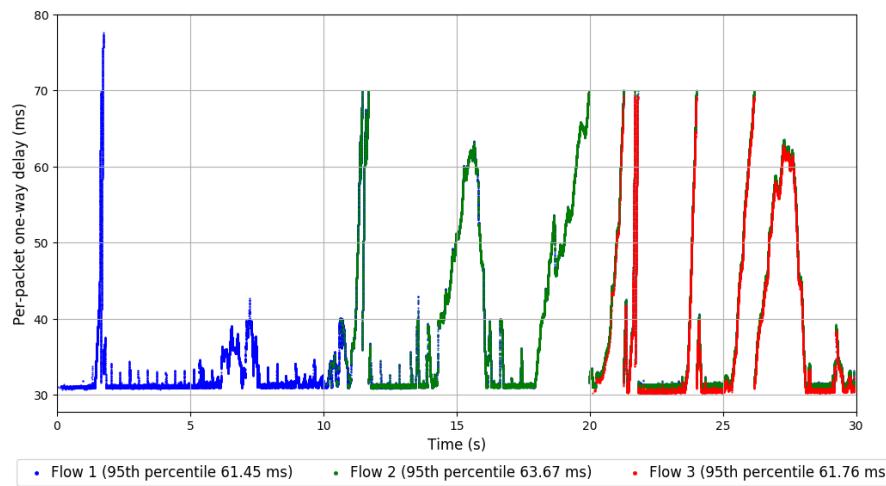
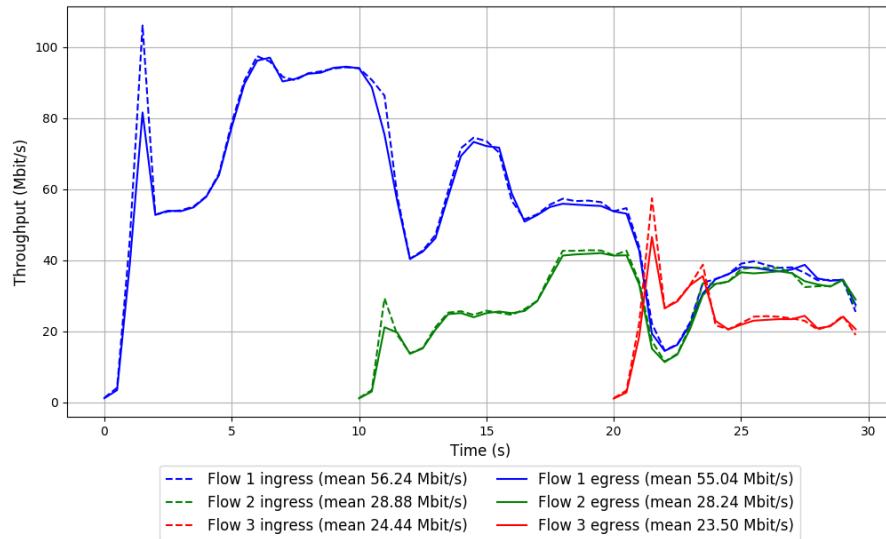


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-20 14:28:45
End at: 2018-02-20 14:29:15
Local clock offset: 1.474 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-02-20 19:16:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 61.978 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 55.04 Mbit/s
95th percentile per-packet one-way delay: 61.450 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 63.669 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 61.760 ms
Loss rate: 3.86%
```

Run 2: Report of Vivace-LTE — Data Link

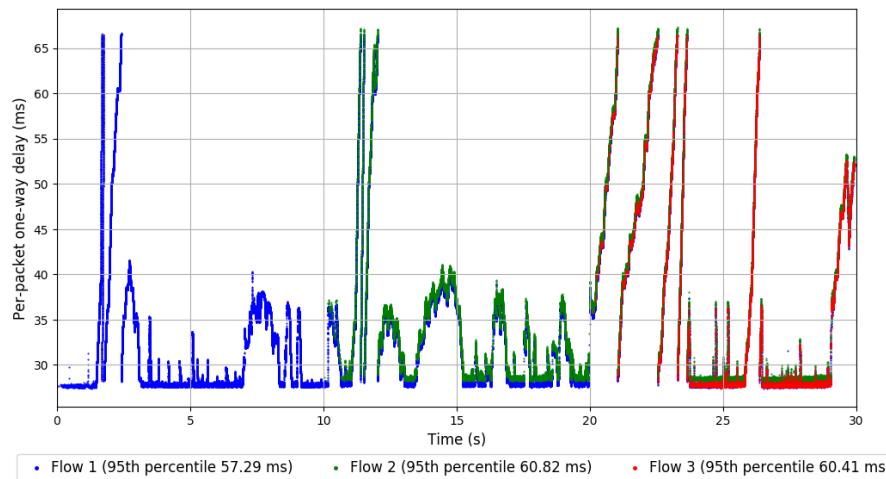
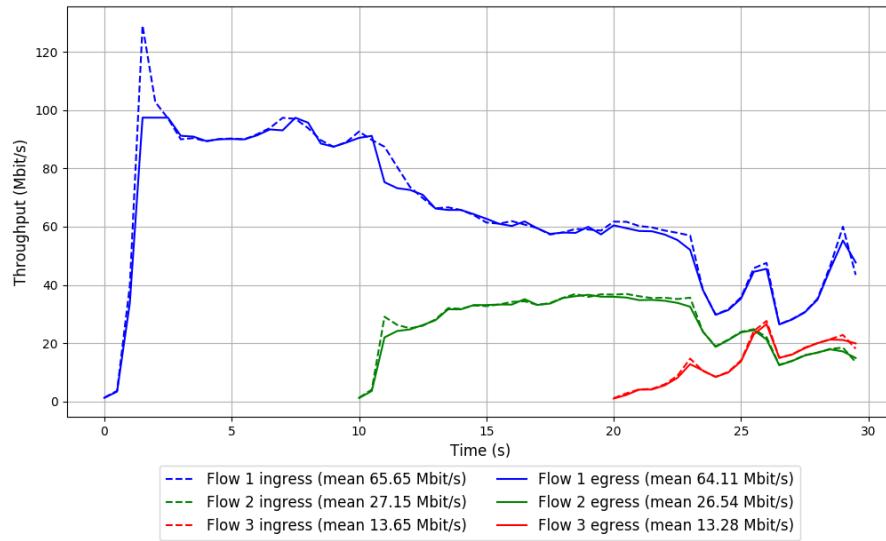


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-20 14:55:22
End at: 2018-02-20 14:55:52
Local clock offset: 1.667 ms
Remote clock offset: -4.512 ms

# Below is generated by plot.py at 2018-02-20 19:16:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 58.249 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 64.11 Mbit/s
95th percentile per-packet one-way delay: 57.290 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 60.817 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 60.410 ms
Loss rate: 2.59%
```

Run 3: Report of Vivace-LTE — Data Link

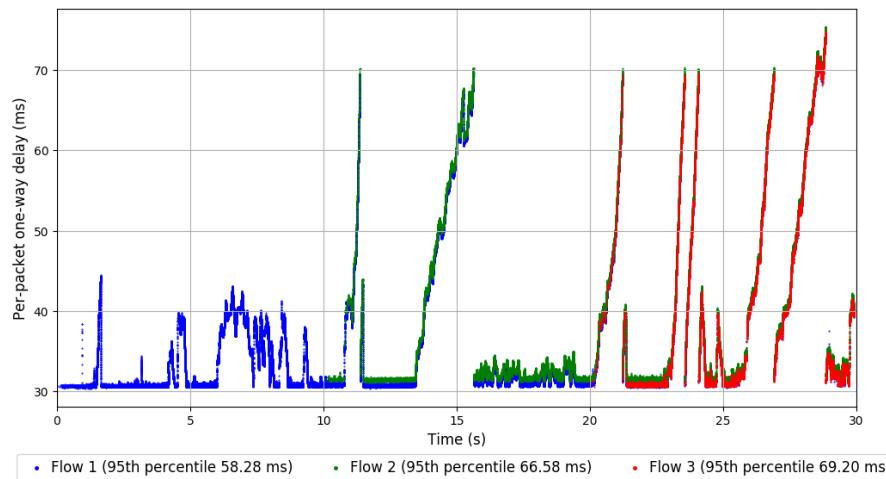
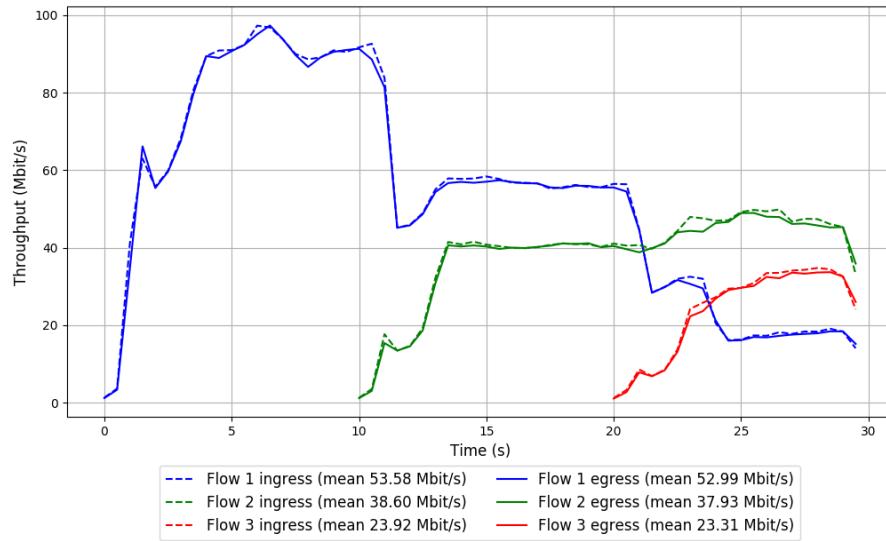


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-20 15:21:15
End at: 2018-02-20 15:21:45
Local clock offset: 1.235 ms
Remote clock offset: -4.69 ms

# Below is generated by plot.py at 2018-02-20 19:16:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 63.783 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 52.99 Mbit/s
95th percentile per-packet one-way delay: 58.277 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 66.575 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 69.201 ms
Loss rate: 2.46%
```

Run 4: Report of Vivace-LTE — Data Link

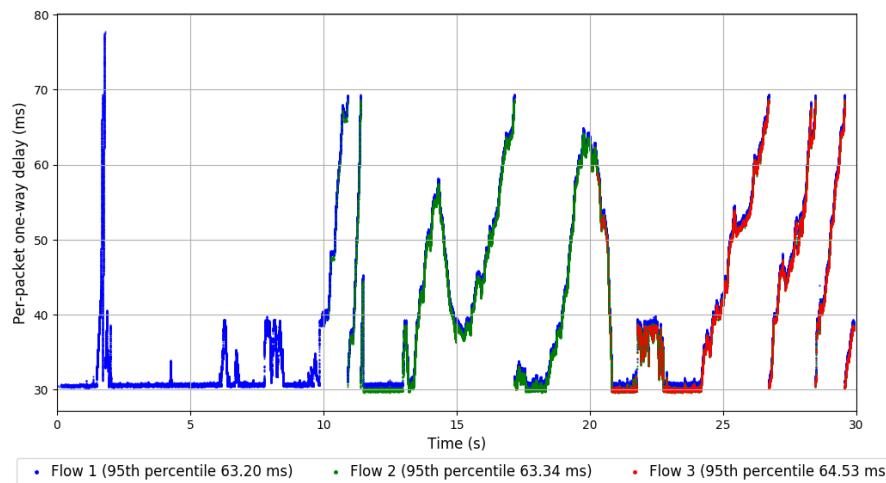
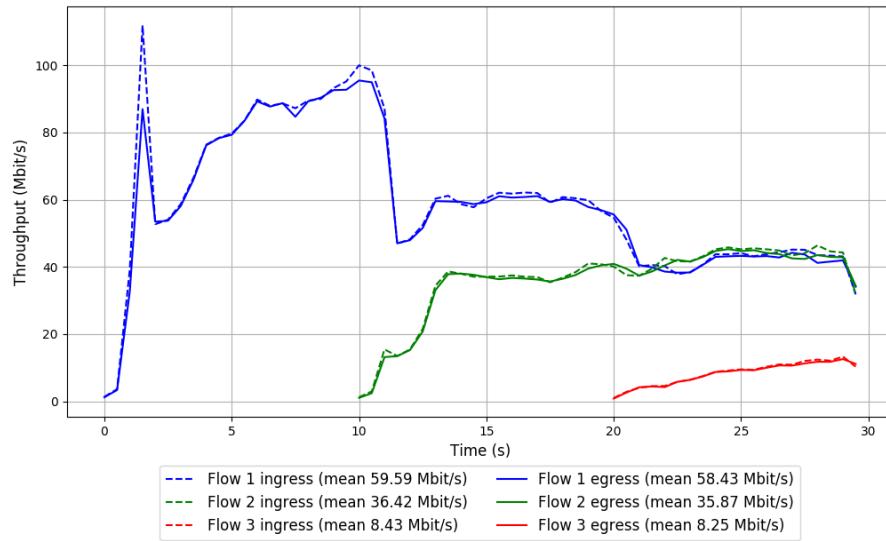


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-20 15:46:21
End at: 2018-02-20 15:46:51
Local clock offset: 2.348 ms
Remote clock offset: -5.053 ms

# Below is generated by plot.py at 2018-02-20 19:17:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 63.334 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 63.195 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 63.339 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 64.532 ms
Loss rate: 2.36%
```

Run 5: Report of Vivace-LTE — Data Link

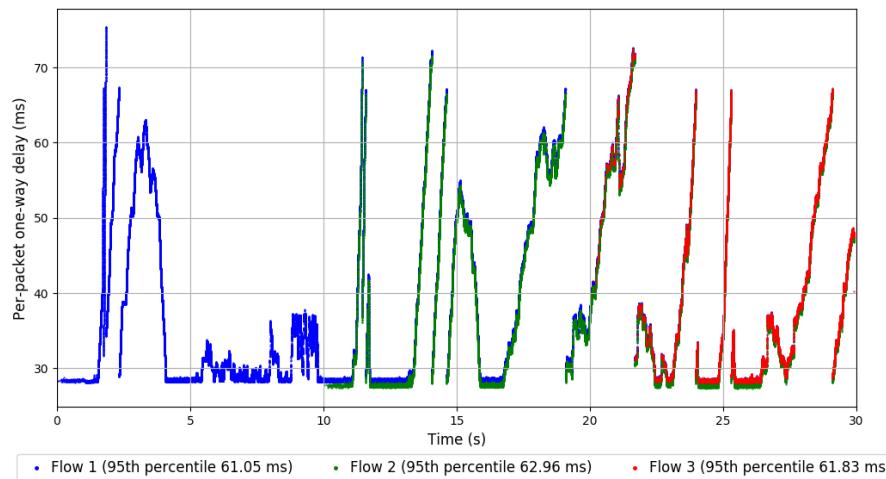
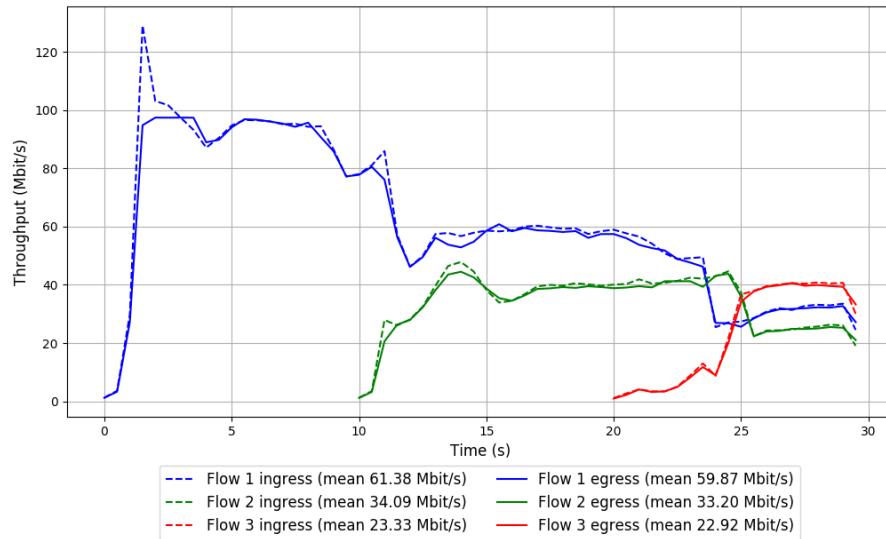


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-20 16:11:35
End at: 2018-02-20 16:12:05
Local clock offset: -1.187 ms
Remote clock offset: -5.718 ms

# Below is generated by plot.py at 2018-02-20 19:17:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 61.647 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 61.055 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 62.959 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 61.833 ms
Loss rate: 1.75%
```

Run 6: Report of Vivace-LTE — Data Link

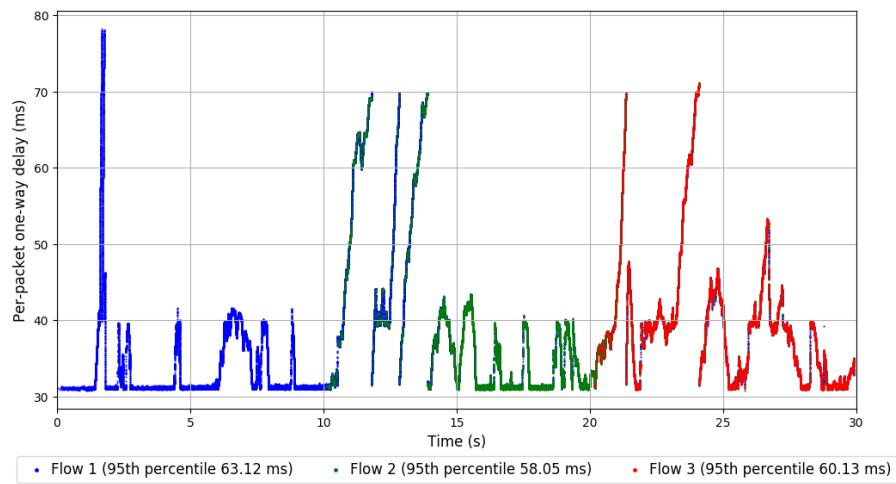
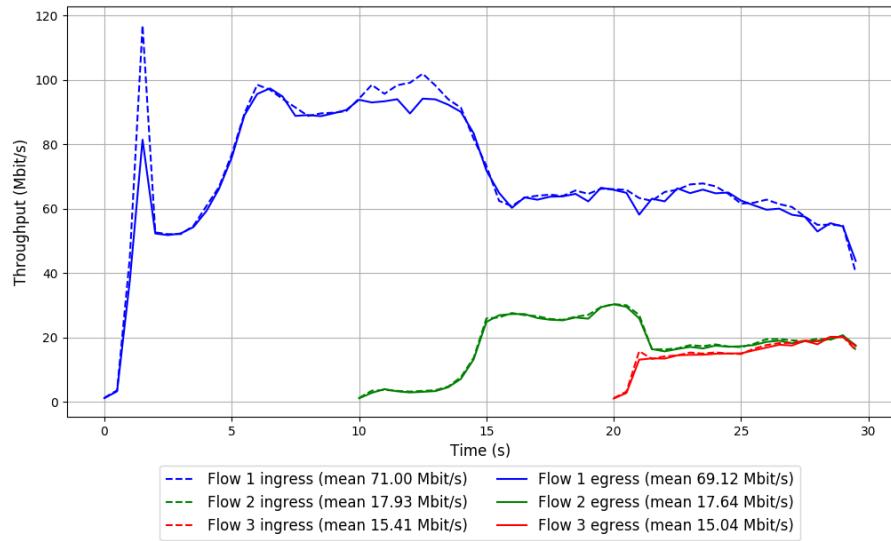


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-20 16:36:43
End at: 2018-02-20 16:37:13
Local clock offset: -4.569 ms
Remote clock offset: -2.147 ms

# Below is generated by plot.py at 2018-02-20 19:17:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.80 Mbit/s
95th percentile per-packet one-way delay: 62.253 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 63.119 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 58.046 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 60.133 ms
Loss rate: 2.41%
```

Run 7: Report of Vivace-LTE — Data Link

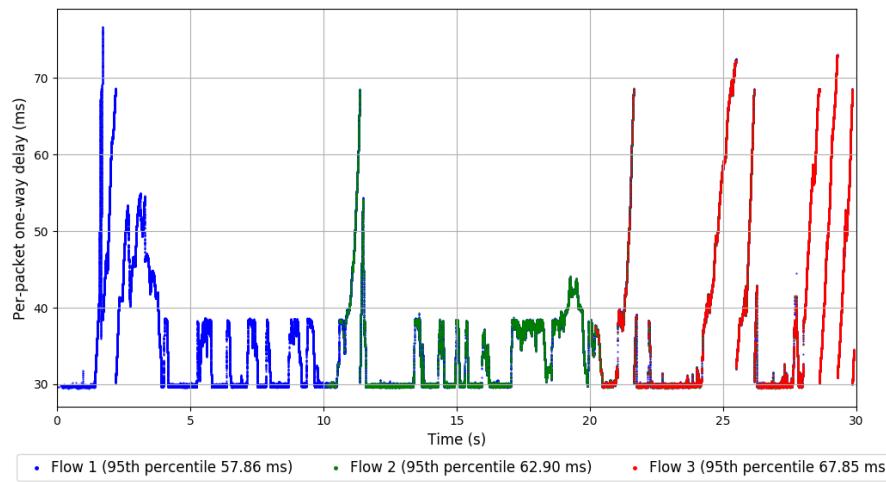
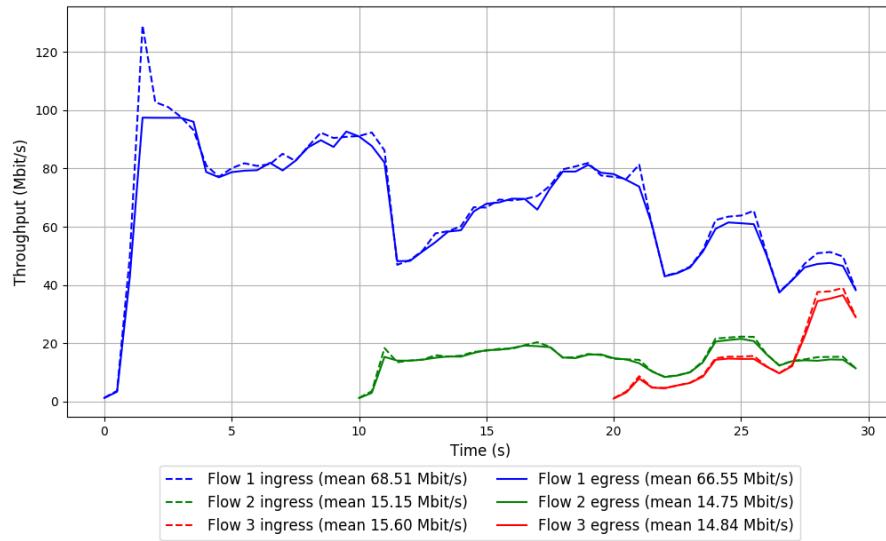


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-20 17:06:07
End at: 2018-02-20 17:06:37
Local clock offset: -5.994 ms
Remote clock offset: -10.3 ms

# Below is generated by plot.py at 2018-02-20 19:17:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.23 Mbit/s
95th percentile per-packet one-way delay: 60.212 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 66.55 Mbit/s
95th percentile per-packet one-way delay: 57.858 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 62.901 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 67.847 ms
Loss rate: 4.94%
```

Run 8: Report of Vivace-LTE — Data Link

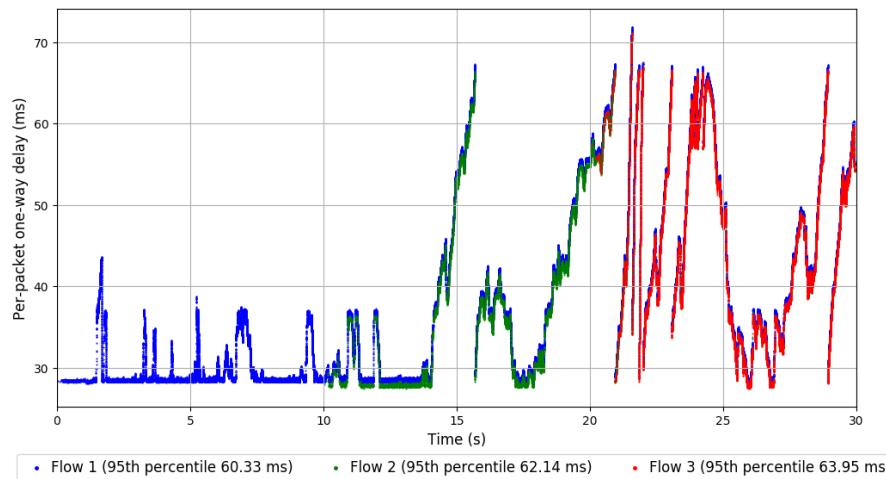
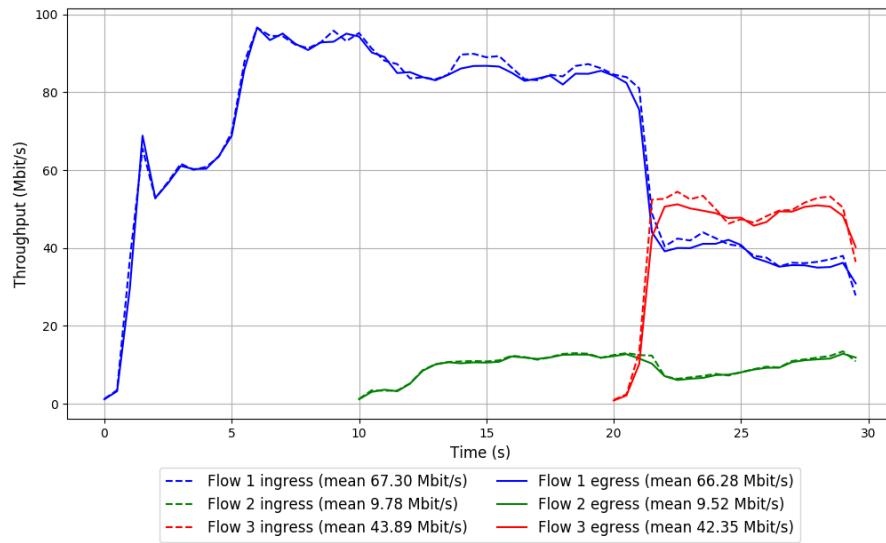


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-20 17:32:38
End at: 2018-02-20 17:33:08
Local clock offset: 1.017 ms
Remote clock offset: -6.203 ms

# Below is generated by plot.py at 2018-02-20 19:17:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 61.731 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 60.325 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 62.140 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 42.35 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 3.54%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-20 17:59:52
End at: 2018-02-20 18:00:22
Local clock offset: -3.313 ms
Remote clock offset: -2.222 ms

# Below is generated by plot.py at 2018-02-20 19:17:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 62.146 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 58.165 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 62.749 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 66.161 ms
Loss rate: 3.82%
```

Run 10: Report of Vivace-LTE — Data Link

