

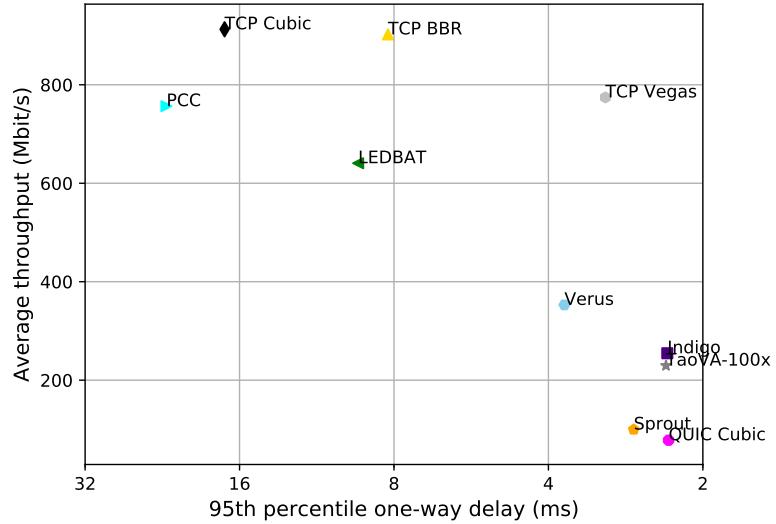
## Pantheon Report

Generated at 2017-09-18 15:31:52 (UTC).  
Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).  
Repeated the test of 10 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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

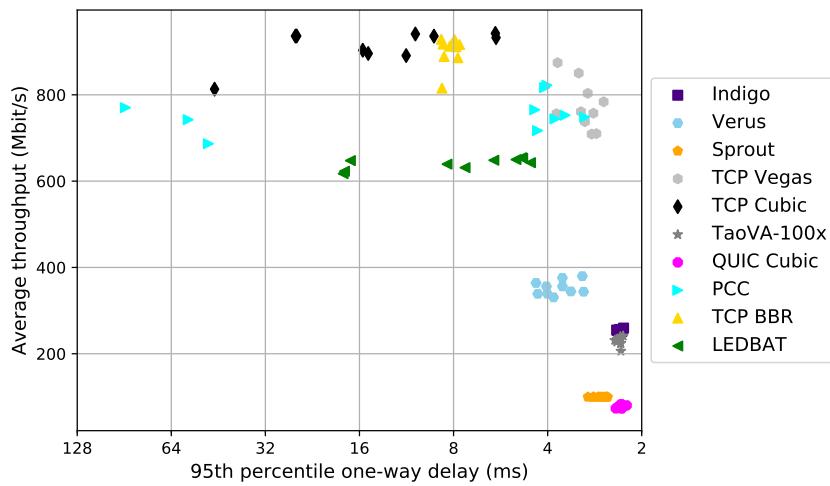
### Git summary:

```
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



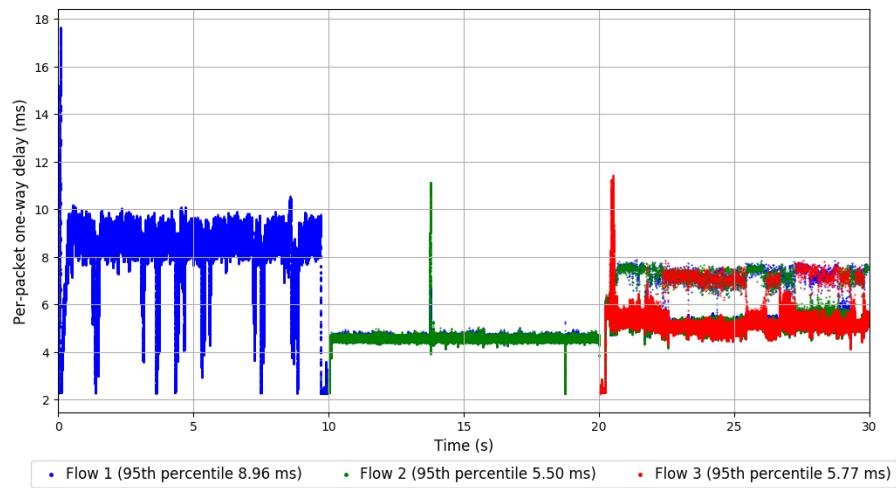
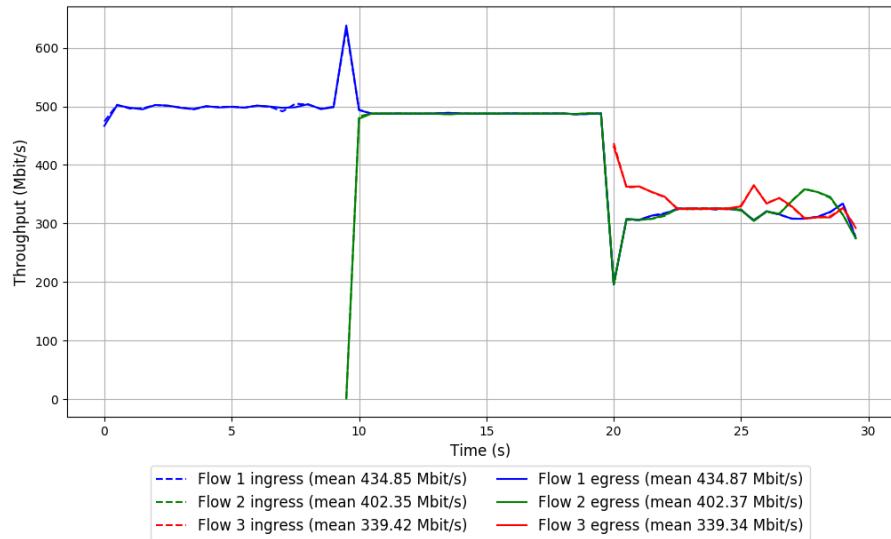
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	525.33	404.02	325.38	8.13	6.32	5.71	0.02	0.03	0.08
TCP Cubic	10	555.49	370.57	333.03	18.73	6.87	5.63	0.03	0.08	0.16
Indigo	10	142.16	123.91	93.06	2.34	2.36	2.37	0.01	0.03	0.04
LEDBAT	10	375.94	278.17	240.81	7.19	9.07	5.58	0.02	0.03	0.04
PCC	10	559.12	241.39	112.48	26.64	3.91	3.18	0.89	0.02	0.07
QUIC Cubic	10	1.08	78.26	78.48	2.74	2.33	2.34	0.00	0.03	0.04
Sprout	10	50.09	50.02	49.78	2.67	2.72	2.84	0.01	0.01	0.04
TaoVA-100x	10	142.17	97.30	88.10	2.36	2.36	2.38	0.01	0.02	0.05
TCP Vegas	10	438.77	333.74	341.57	3.18	3.09	2.90	0.01	0.03	0.04
Verus	10	208.51	153.18	128.41	3.69	3.87	5.84	0.01	0.01	0.04

Run 1: Statistics of TCP BBR

```
Start at: 2017-09-18 08:33:59
End at: 2017-09-18 08:34:29
Local clock offset: -1.86 ms
Remote clock offset: 0.404 ms

# Below is generated by plot.py at 2017-09-18 14:09:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 815.46 Mbit/s
95th percentile per-packet one-way delay: 8.712 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 434.87 Mbit/s
95th percentile per-packet one-way delay: 8.964 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 402.37 Mbit/s
95th percentile per-packet one-way delay: 5.496 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 339.34 Mbit/s
95th percentile per-packet one-way delay: 5.769 ms
Loss rate: 0.08%
```

## Run 1: Report of TCP BBR — Data Link

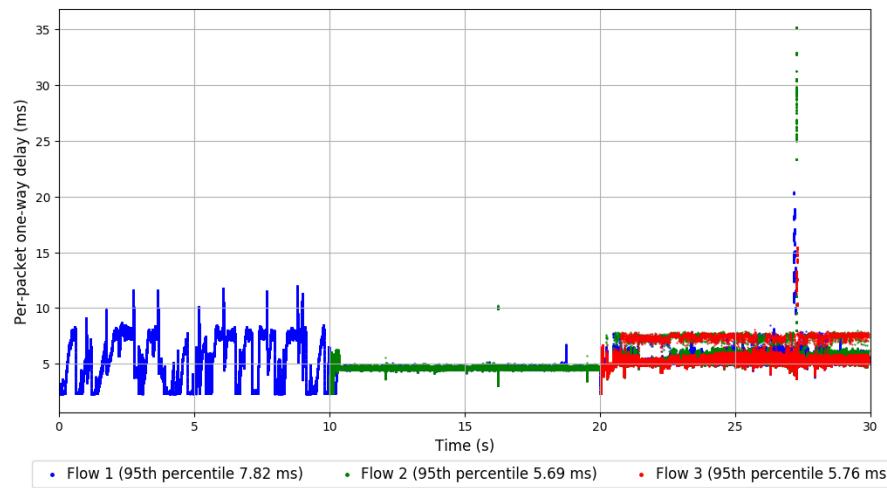
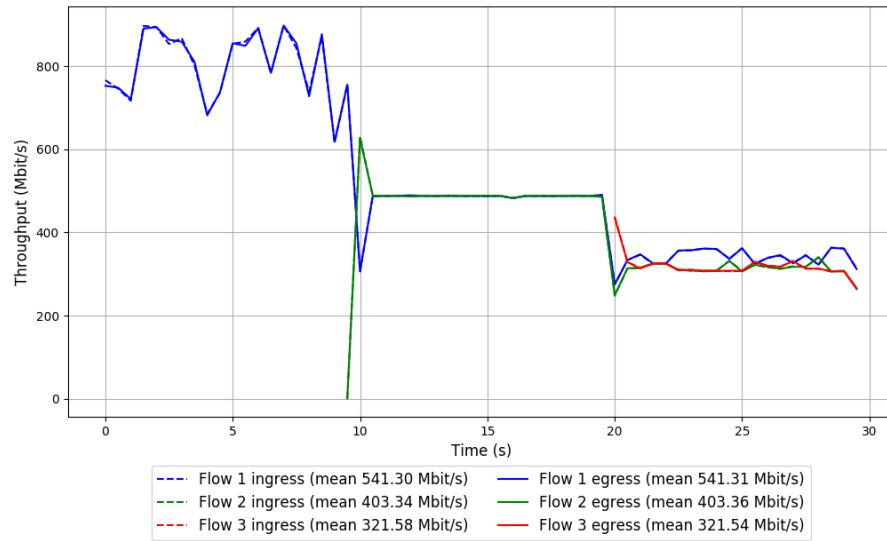


Run 2: Statistics of TCP BBR

```
Start at: 2017-09-18 08:48:10
End at: 2017-09-18 08:48:40
Local clock offset: -1.893 ms
Remote clock offset: 0.619 ms

# Below is generated by plot.py at 2017-09-18 14:11:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 916.58 Mbit/s
95th percentile per-packet one-way delay: 7.653 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 541.31 Mbit/s
95th percentile per-packet one-way delay: 7.821 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 403.36 Mbit/s
95th percentile per-packet one-way delay: 5.694 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.54 Mbit/s
95th percentile per-packet one-way delay: 5.765 ms
Loss rate: 0.08%
```

## Run 2: Report of TCP BBR — Data Link

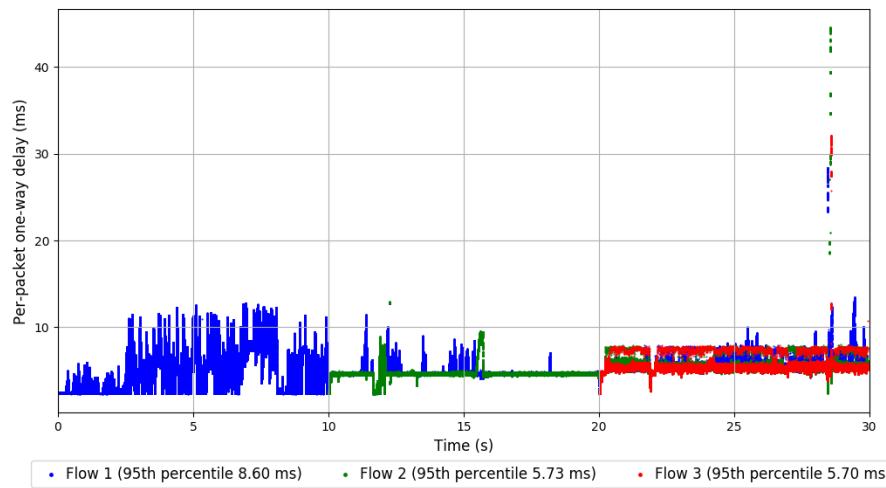
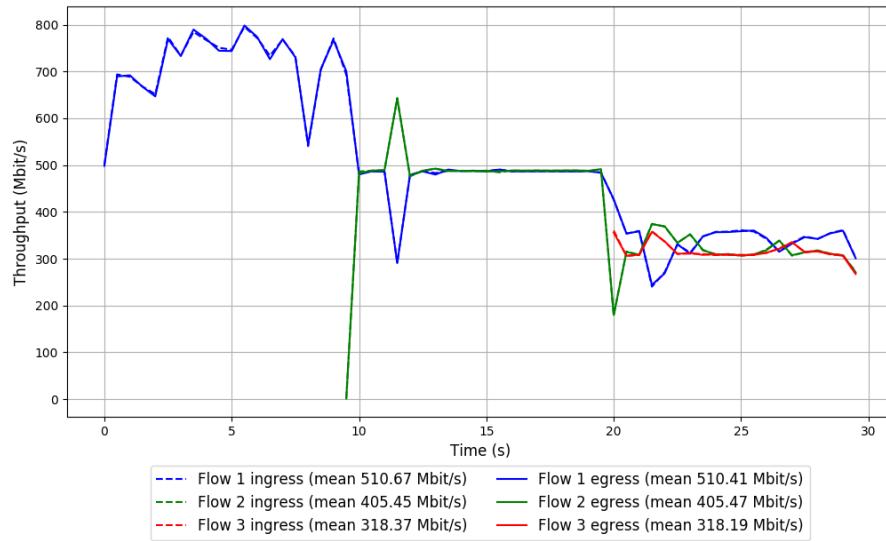


Run 3: Statistics of TCP BBR

```
Start at: 2017-09-18 09:02:25
End at: 2017-09-18 09:02:55
Local clock offset: -1.963 ms
Remote clock offset: 0.907 ms

# Below is generated by plot.py at 2017-09-18 14:11:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 886.02 Mbit/s
95th percentile per-packet one-way delay: 7.750 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 510.41 Mbit/s
95th percentile per-packet one-way delay: 8.601 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 405.47 Mbit/s
95th percentile per-packet one-way delay: 5.728 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 318.19 Mbit/s
95th percentile per-packet one-way delay: 5.697 ms
Loss rate: 0.07%
```

### Run 3: Report of TCP BBR — Data Link

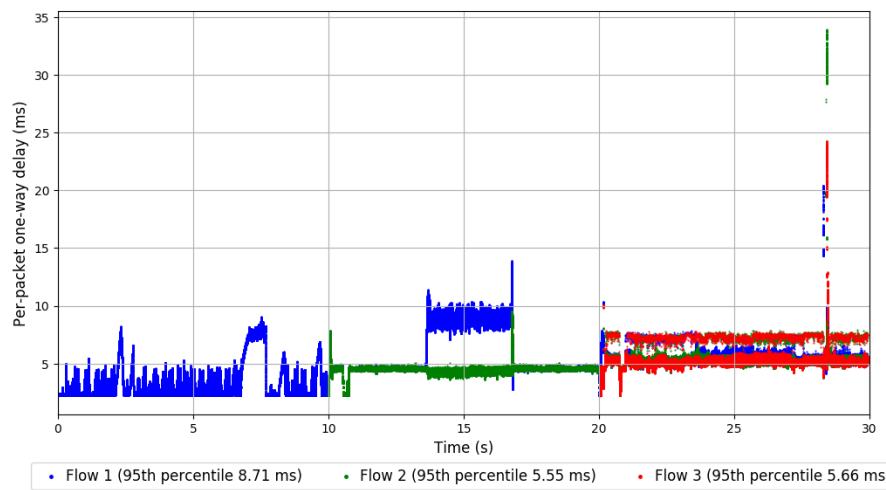
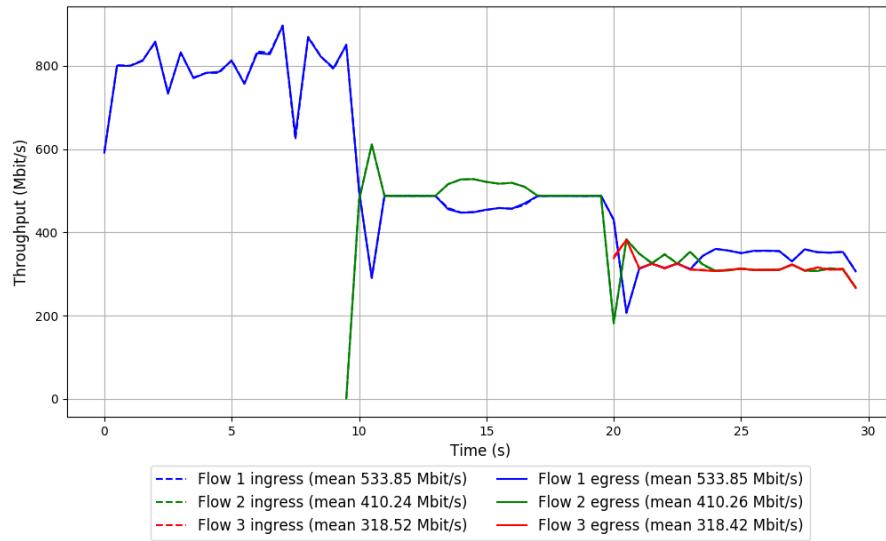


Run 4: Statistics of TCP BBR

```
Start at: 2017-09-18 09:16:40
End at: 2017-09-18 09:17:10
Local clock offset: -1.674 ms
Remote clock offset: 1.113 ms

# Below is generated by plot.py at 2017-09-18 14:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 912.70 Mbit/s
95th percentile per-packet one-way delay: 8.224 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 533.85 Mbit/s
95th percentile per-packet one-way delay: 8.711 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 410.26 Mbit/s
95th percentile per-packet one-way delay: 5.549 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 318.42 Mbit/s
95th percentile per-packet one-way delay: 5.661 ms
Loss rate: 0.08%
```

Run 4: Report of TCP BBR — Data Link

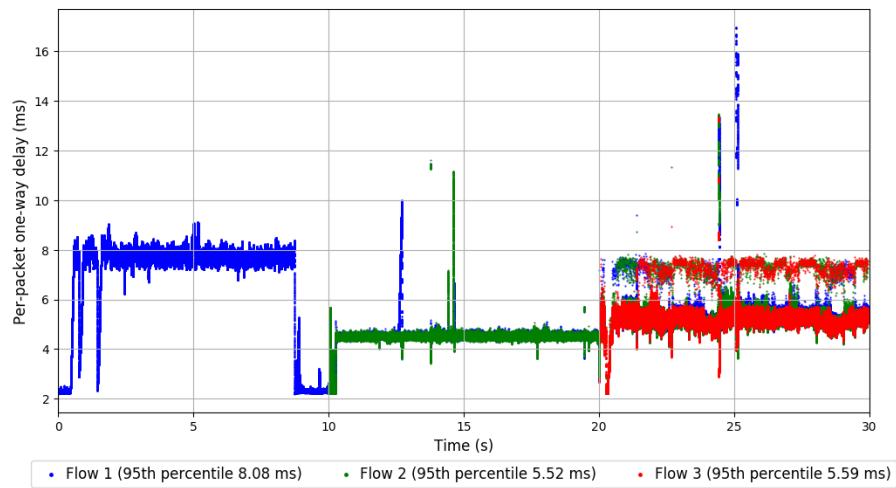
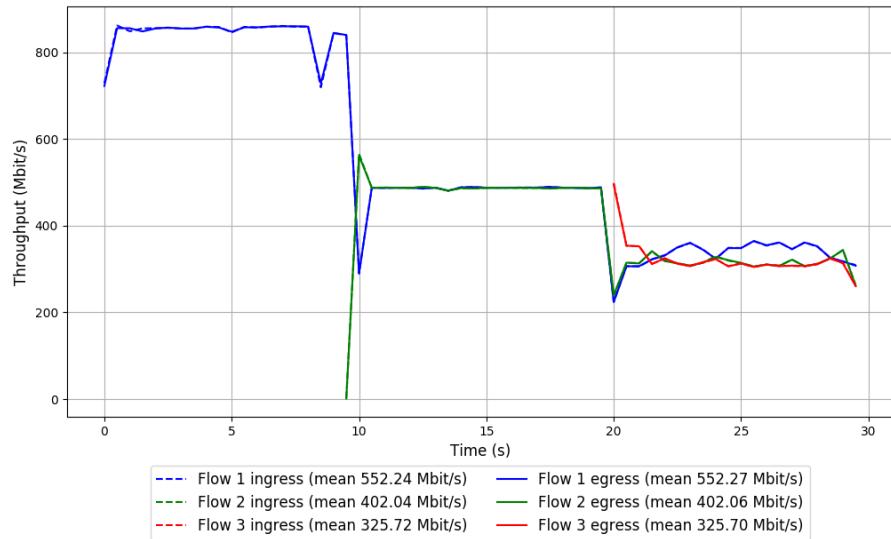


Run 5: Statistics of TCP BBR

```
Start at: 2017-09-18 09:30:59
End at: 2017-09-18 09:31:29
Local clock offset: -1.707 ms
Remote clock offset: 1.285 ms

# Below is generated by plot.py at 2017-09-18 14:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 928.19 Mbit/s
95th percentile per-packet one-way delay: 7.941 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 552.27 Mbit/s
95th percentile per-packet one-way delay: 8.082 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 402.06 Mbit/s
95th percentile per-packet one-way delay: 5.521 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 325.70 Mbit/s
95th percentile per-packet one-way delay: 5.595 ms
Loss rate: 0.07%
```

Run 5: Report of TCP BBR — Data Link

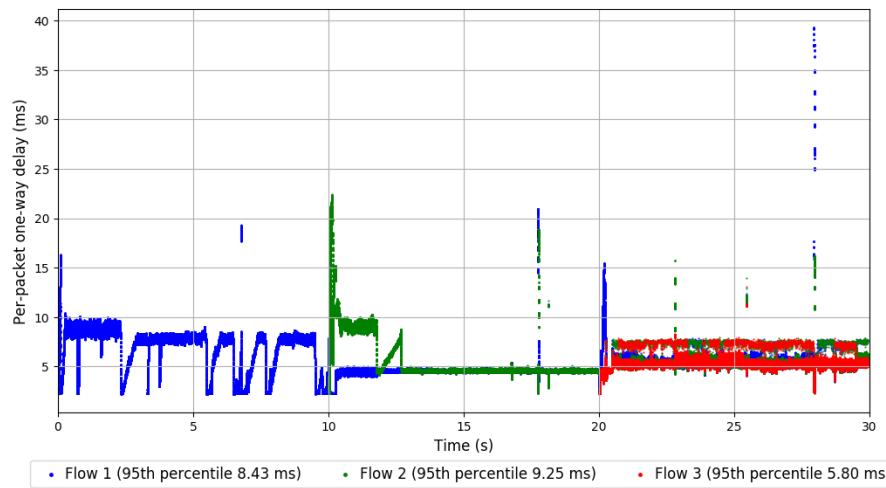
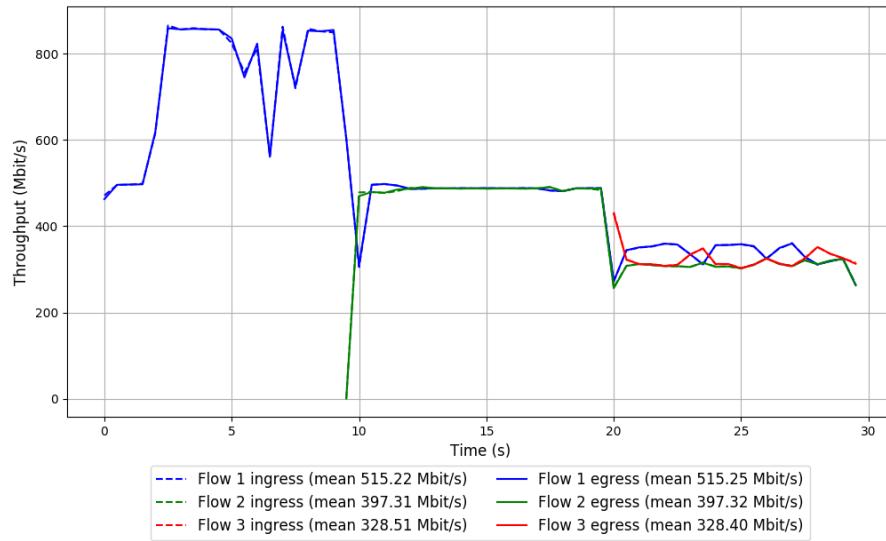


Run 6: Statistics of TCP BBR

```
Start at: 2017-09-18 09:45:19
End at: 2017-09-18 09:45:49
Local clock offset: -1.703 ms
Remote clock offset: 1.476 ms

# Below is generated by plot.py at 2017-09-18 14:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 888.81 Mbit/s
95th percentile per-packet one-way delay: 8.578 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 515.25 Mbit/s
95th percentile per-packet one-way delay: 8.427 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 397.32 Mbit/s
95th percentile per-packet one-way delay: 9.247 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.40 Mbit/s
95th percentile per-packet one-way delay: 5.802 ms
Loss rate: 0.09%
```

## Run 6: Report of TCP BBR — Data Link

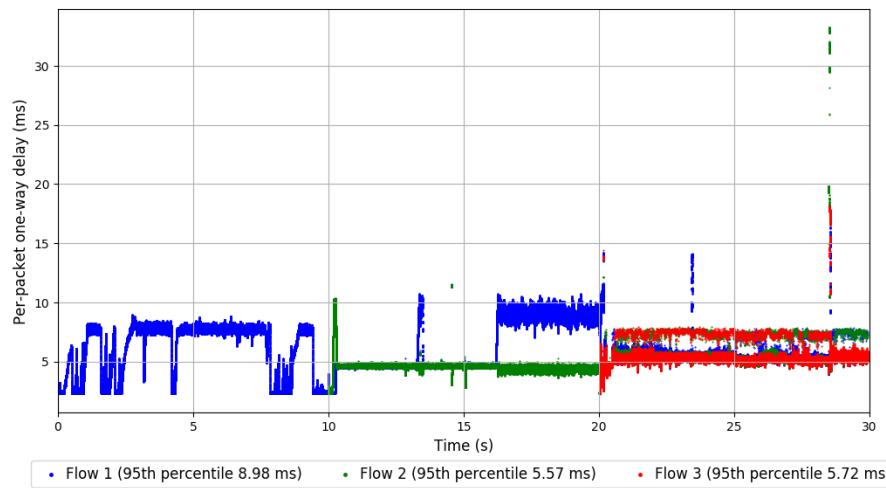
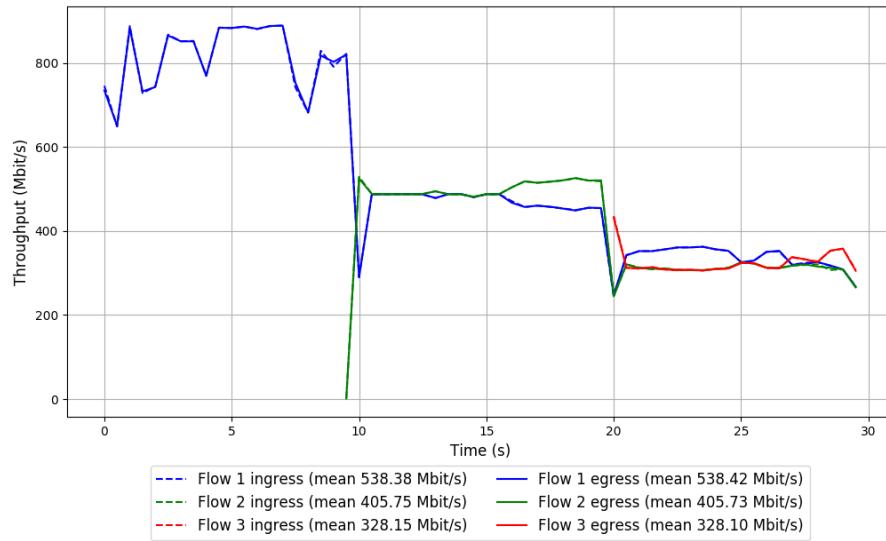


Run 7: Statistics of TCP BBR

```
Start at: 2017-09-18 09:59:34
End at: 2017-09-18 10:00:04
Local clock offset: -1.723 ms
Remote clock offset: 1.581 ms

# Below is generated by plot.py at 2017-09-18 14:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 917.45 Mbit/s
95th percentile per-packet one-way delay: 8.639 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 538.42 Mbit/s
95th percentile per-packet one-way delay: 8.984 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 405.73 Mbit/s
95th percentile per-packet one-way delay: 5.573 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.10 Mbit/s
95th percentile per-packet one-way delay: 5.719 ms
Loss rate: 0.08%
```

### Run 7: Report of TCP BBR — Data Link

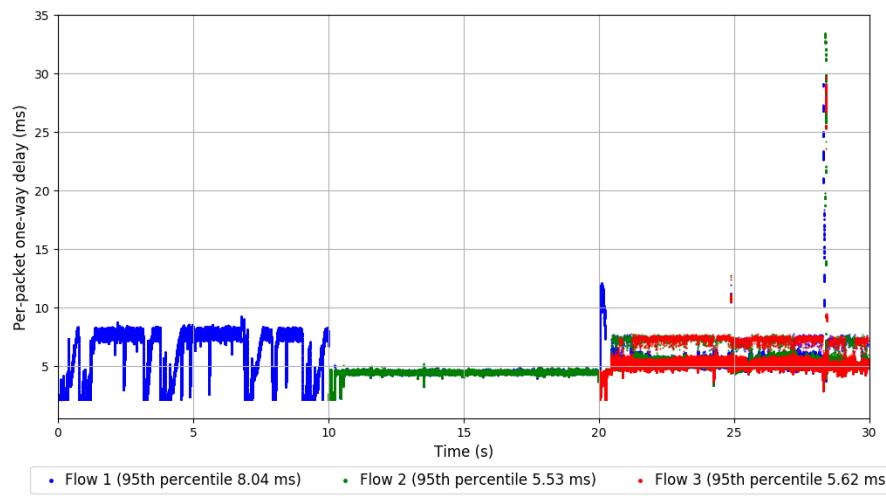
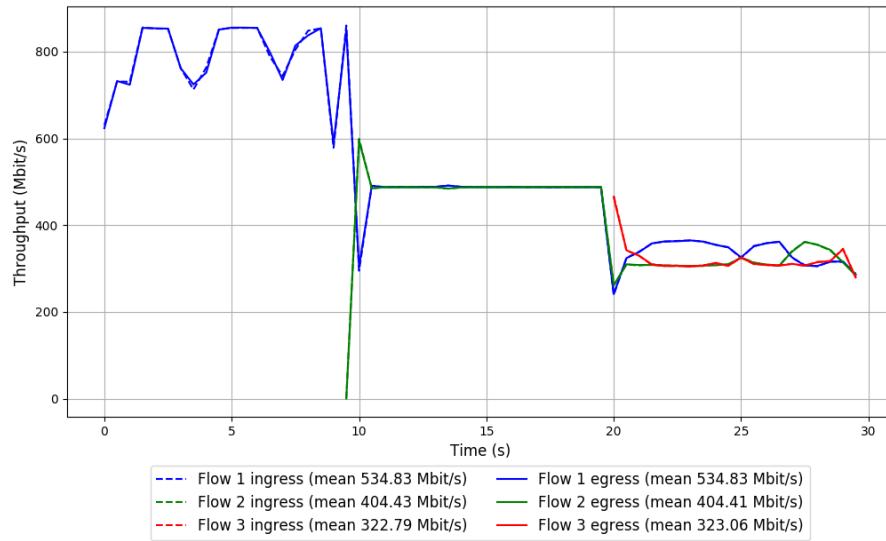


Run 8: Statistics of TCP BBR

```
Start at: 2017-09-18 10:13:57
End at: 2017-09-18 10:14:27
Local clock offset: -1.989 ms
Remote clock offset: 1.611 ms

# Below is generated by plot.py at 2017-09-18 14:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 911.37 Mbit/s
95th percentile per-packet one-way delay: 7.856 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 534.83 Mbit/s
95th percentile per-packet one-way delay: 8.041 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.41 Mbit/s
95th percentile per-packet one-way delay: 5.534 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 323.06 Mbit/s
95th percentile per-packet one-way delay: 5.618 ms
Loss rate: 0.07%
```

Run 8: Report of TCP BBR — Data Link

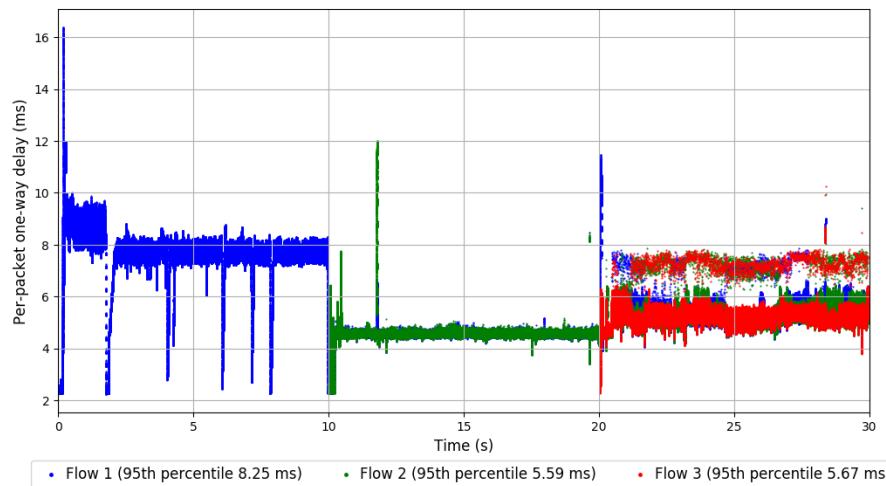
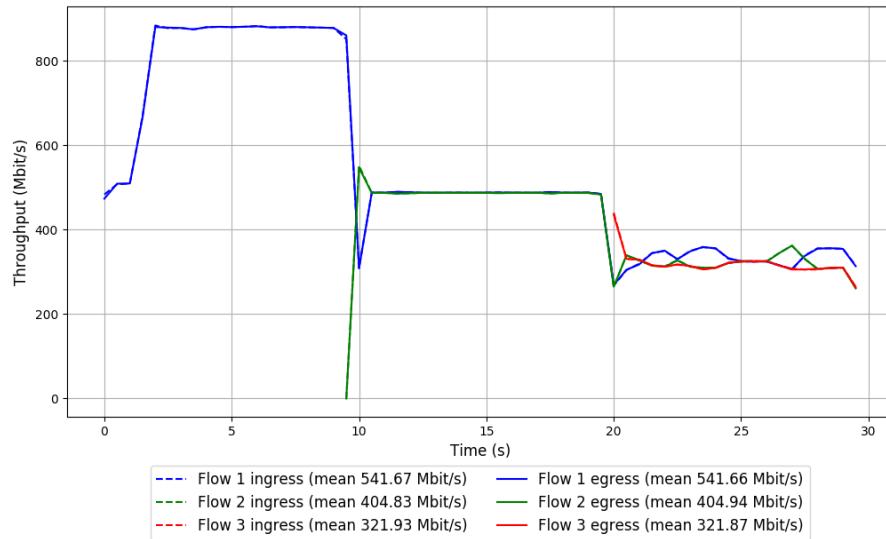


Run 9: Statistics of TCP BBR

```
Start at: 2017-09-18 10:28:18
End at: 2017-09-18 10:28:48
Local clock offset: -1.96 ms
Remote clock offset: 1.422 ms

# Below is generated by plot.py at 2017-09-18 14:22:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 918.05 Mbit/s
95th percentile per-packet one-way delay: 8.089 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 541.66 Mbit/s
95th percentile per-packet one-way delay: 8.246 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 404.94 Mbit/s
95th percentile per-packet one-way delay: 5.594 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.87 Mbit/s
95th percentile per-packet one-way delay: 5.672 ms
Loss rate: 0.08%
```

### Run 9: Report of TCP BBR — Data Link

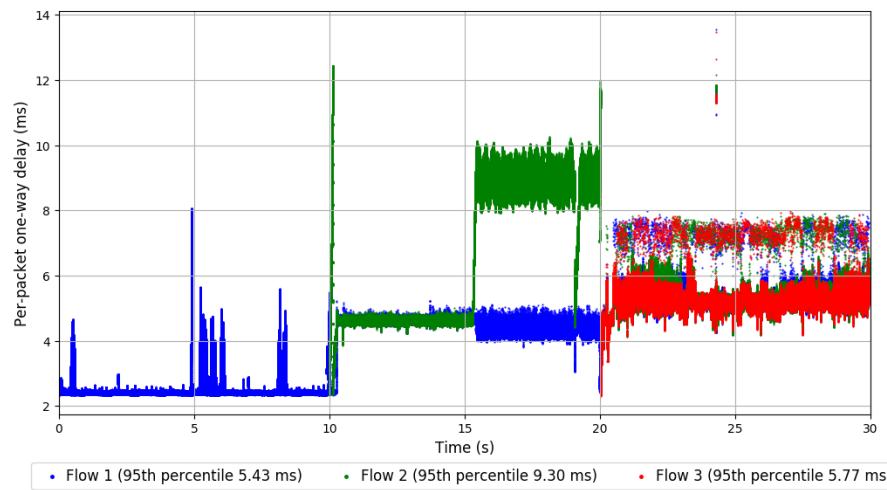
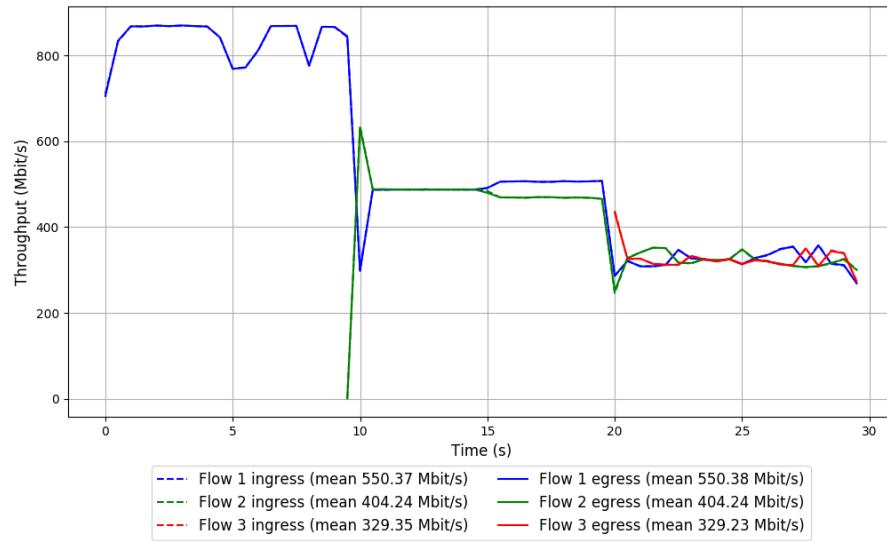


Run 10: Statistics of TCP BBR

```
Start at: 2017-09-18 10:42:33
End at: 2017-09-18 10:43:03
Local clock offset: -2.06 ms
Remote clock offset: 0.817 ms

# Below is generated by plot.py at 2017-09-18 14:24:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 928.71 Mbit/s
95th percentile per-packet one-way delay: 8.761 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 550.38 Mbit/s
95th percentile per-packet one-way delay: 5.432 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.24 Mbit/s
95th percentile per-packet one-way delay: 9.298 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 329.23 Mbit/s
95th percentile per-packet one-way delay: 5.771 ms
Loss rate: 0.08%
```

Run 10: Report of TCP BBR — Data Link

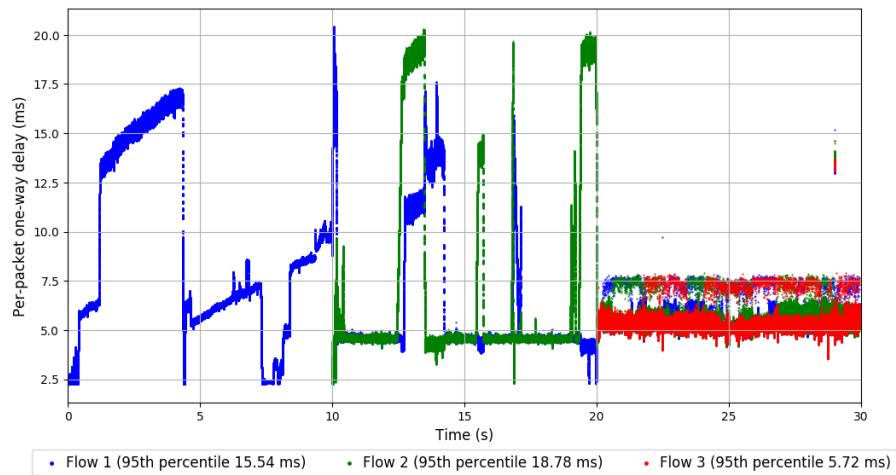
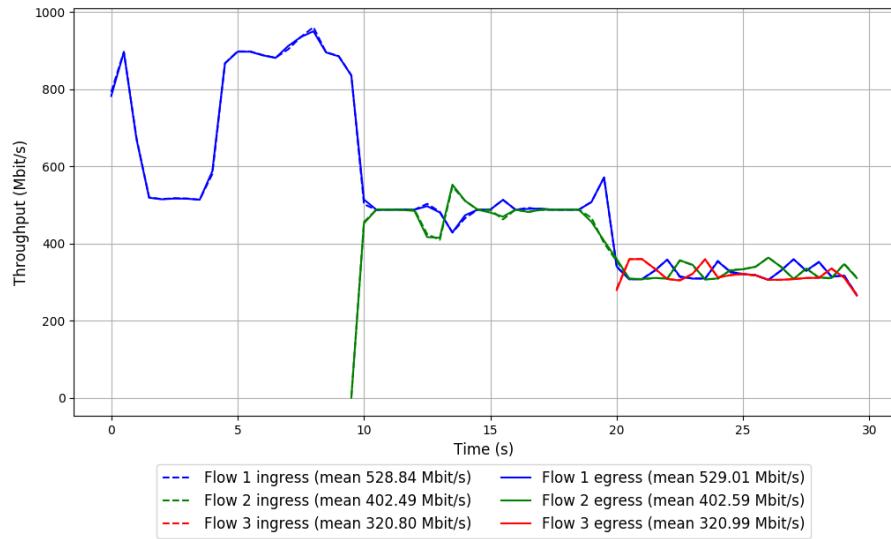


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-09-18 08:30:51
End at: 2017-09-18 08:31:21
Local clock offset: -1.866 ms
Remote clock offset: 0.333 ms

# Below is generated by plot.py at 2017-09-18 14:24:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 903.36 Mbit/s
95th percentile per-packet one-way delay: 15.616 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 529.01 Mbit/s
95th percentile per-packet one-way delay: 15.544 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 402.59 Mbit/s
95th percentile per-packet one-way delay: 18.782 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 320.99 Mbit/s
95th percentile per-packet one-way delay: 5.724 ms
Loss rate: 0.09%
```

## Run 1: Report of TCP Cubic — Data Link

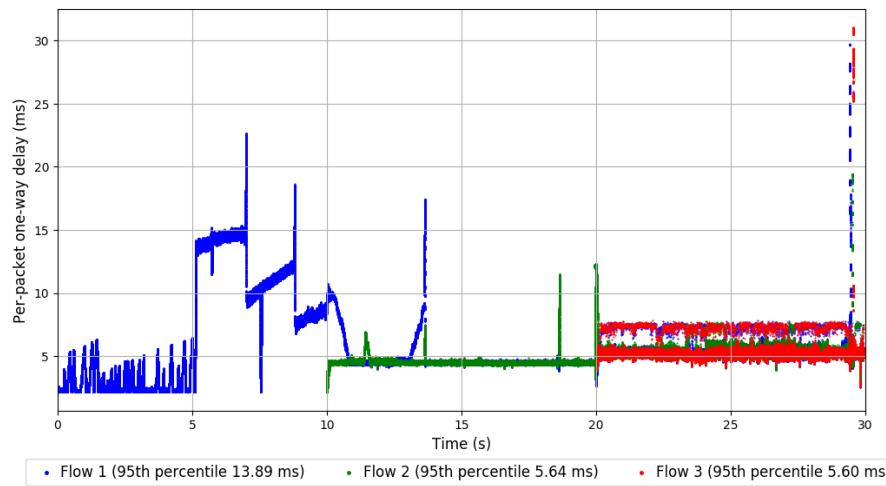
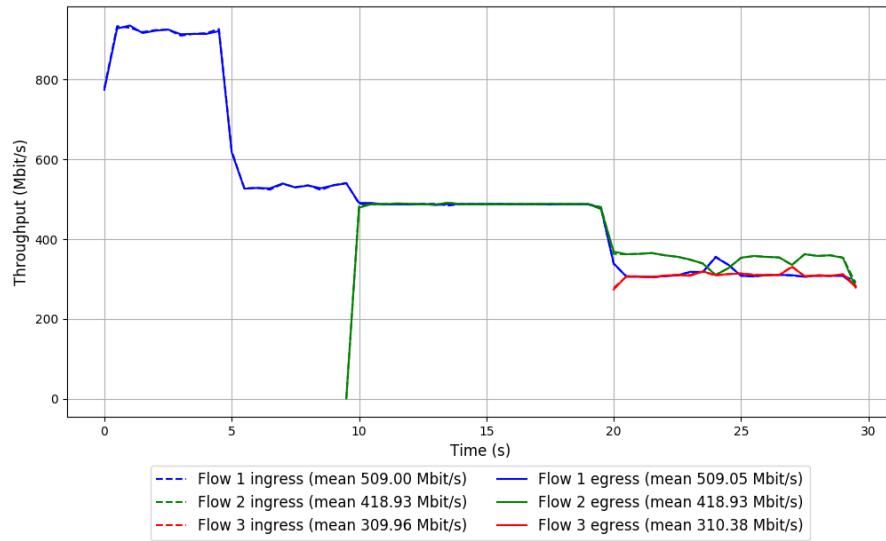


Run 2: Statistics of TCP Cubic

```
Start at: 2017-09-18 08:45:01
End at: 2017-09-18 08:45:31
Local clock offset: -1.944 ms
Remote clock offset: 0.628 ms

# Below is generated by plot.py at 2017-09-18 14:24:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 890.93 Mbit/s
95th percentile per-packet one-way delay: 11.343 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 509.05 Mbit/s
95th percentile per-packet one-way delay: 13.894 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 418.93 Mbit/s
95th percentile per-packet one-way delay: 5.642 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 310.38 Mbit/s
95th percentile per-packet one-way delay: 5.602 ms
Loss rate: 0.12%
```

## Run 2: Report of TCP Cubic — Data Link

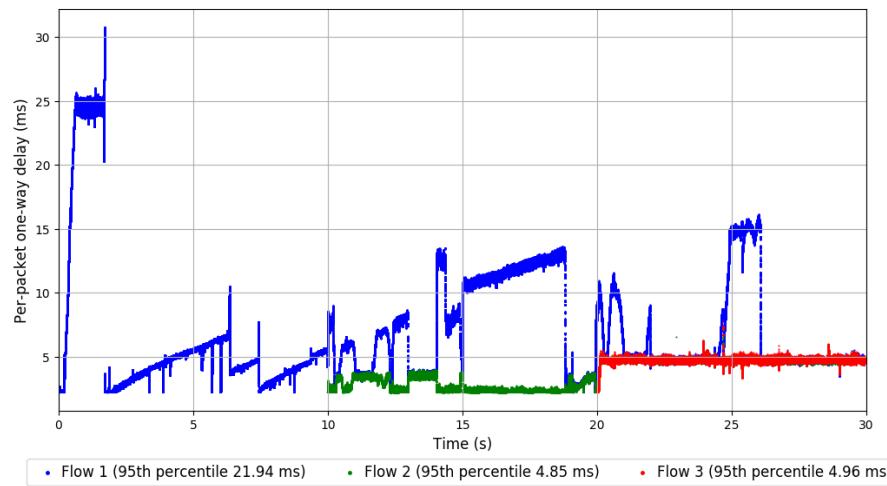
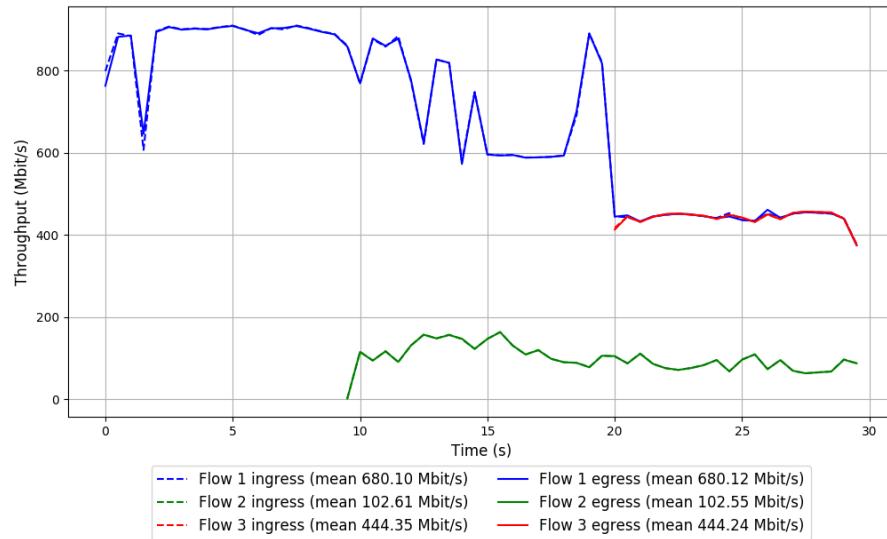


Run 3: Statistics of TCP Cubic

```
Start at: 2017-09-18 08:59:17
End at: 2017-09-18 08:59:47
Local clock offset: -1.976 ms
Remote clock offset: 0.874 ms

# Below is generated by plot.py at 2017-09-18 14:24:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 895.79 Mbit/s
95th percentile per-packet one-way delay: 15.001 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 680.12 Mbit/s
95th percentile per-packet one-way delay: 21.944 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 102.55 Mbit/s
95th percentile per-packet one-way delay: 4.850 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 444.24 Mbit/s
95th percentile per-packet one-way delay: 4.965 ms
Loss rate: 0.07%
```

### Run 3: Report of TCP Cubic — Data Link

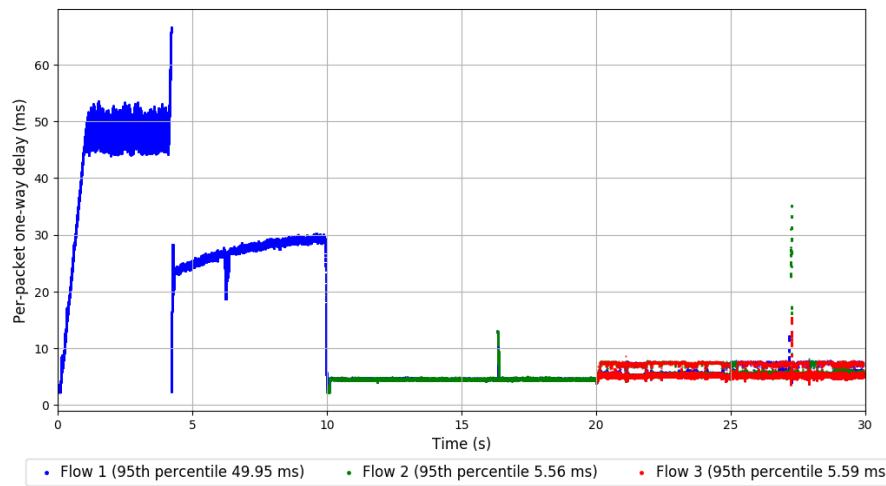
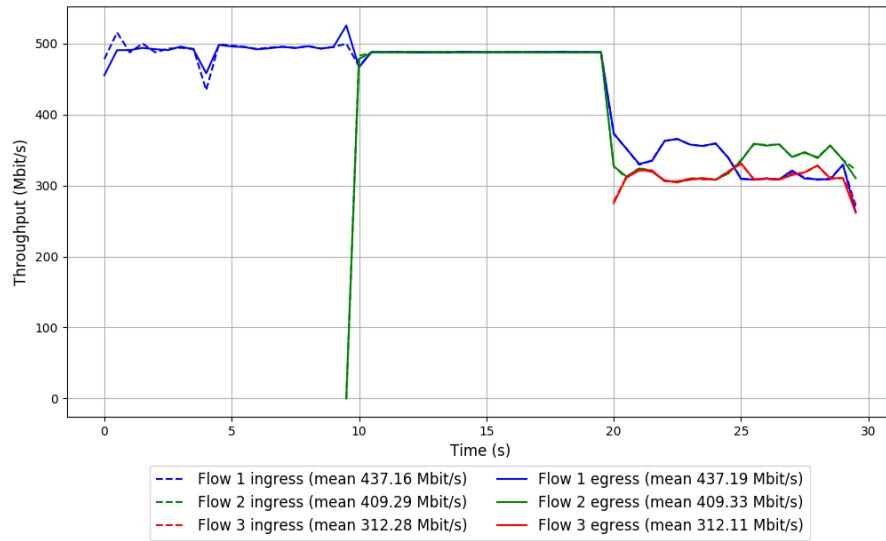


Run 4: Statistics of TCP Cubic

```
Start at: 2017-09-18 09:13:35
End at: 2017-09-18 09:14:05
Local clock offset: -1.724 ms
Remote clock offset: 1.079 ms

# Below is generated by plot.py at 2017-09-18 14:24:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 813.14 Mbit/s
95th percentile per-packet one-way delay: 46.536 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 437.19 Mbit/s
95th percentile per-packet one-way delay: 49.947 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 409.33 Mbit/s
95th percentile per-packet one-way delay: 5.561 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 312.11 Mbit/s
95th percentile per-packet one-way delay: 5.587 ms
Loss rate: 0.24%
```

Run 4: Report of TCP Cubic — Data Link

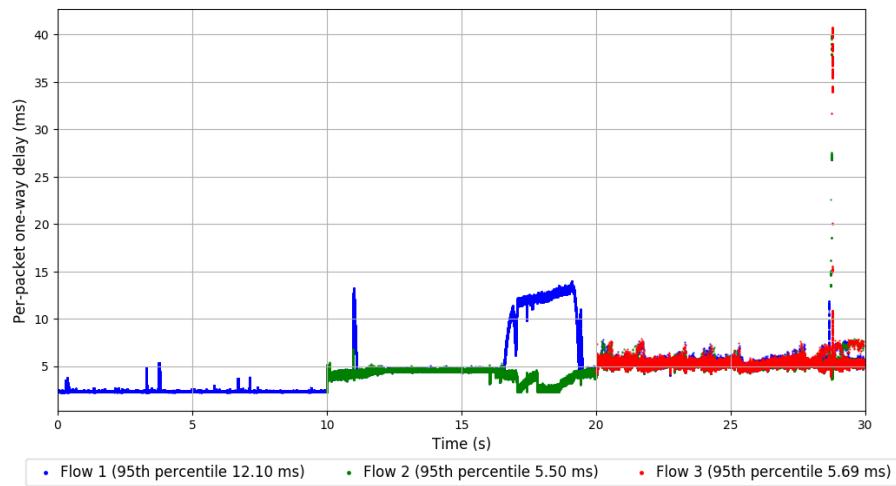
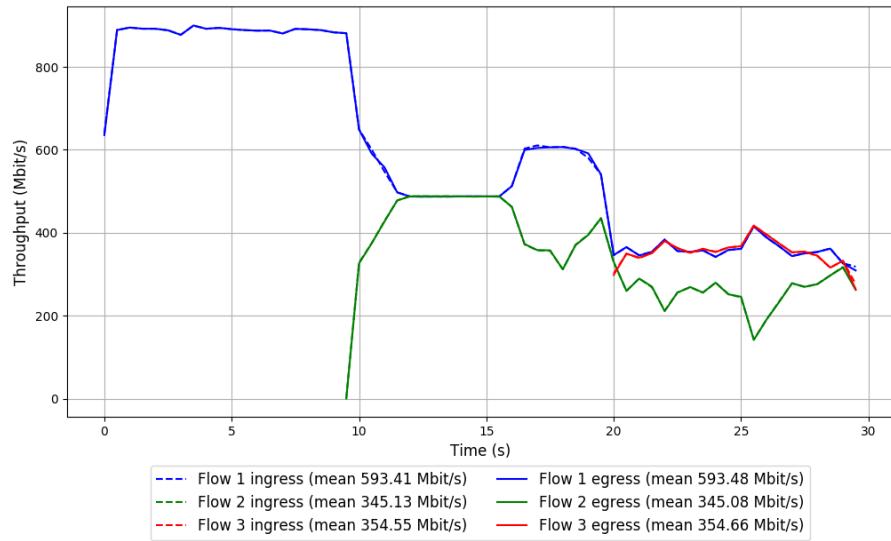


Run 5: Statistics of TCP Cubic

```
Start at: 2017-09-18 09:27:50
End at: 2017-09-18 09:28:20
Local clock offset: -1.642 ms
Remote clock offset: 1.243 ms

# Below is generated by plot.py at 2017-09-18 14:24:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 940.95 Mbit/s
95th percentile per-packet one-way delay: 10.598 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 593.48 Mbit/s
95th percentile per-packet one-way delay: 12.103 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 345.08 Mbit/s
95th percentile per-packet one-way delay: 5.496 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 354.66 Mbit/s
95th percentile per-packet one-way delay: 5.694 ms
Loss rate: 0.22%
```

Run 5: Report of TCP Cubic — Data Link

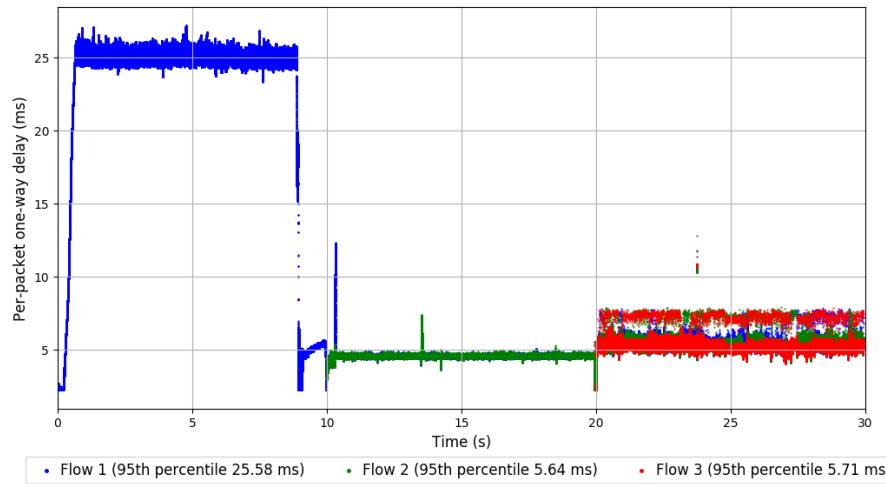
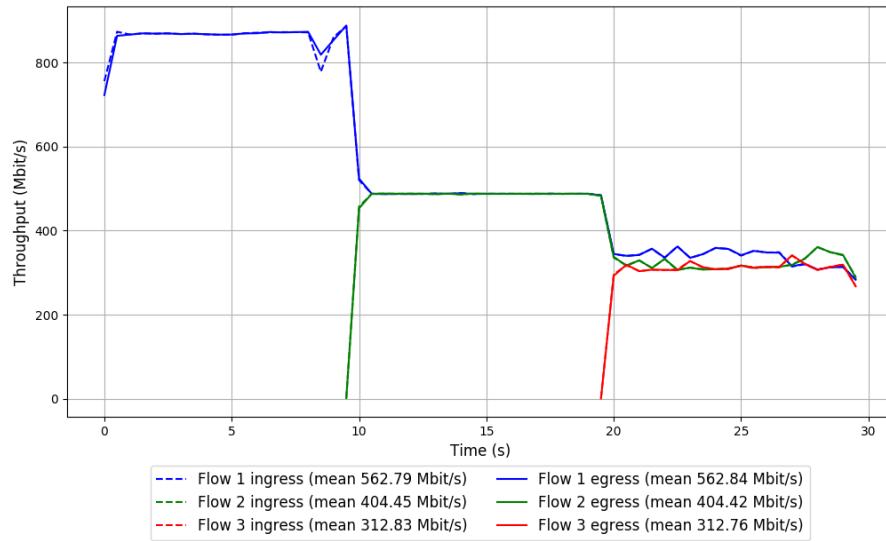


Run 6: Statistics of TCP Cubic

```
Start at: 2017-09-18 09:42:09
End at: 2017-09-18 09:42:39
Local clock offset: -1.669 ms
Remote clock offset: 1.439 ms

# Below is generated by plot.py at 2017-09-18 14:24:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 936.31 Mbit/s
95th percentile per-packet one-way delay: 25.411 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 562.84 Mbit/s
95th percentile per-packet one-way delay: 25.584 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.42 Mbit/s
95th percentile per-packet one-way delay: 5.640 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 312.76 Mbit/s
95th percentile per-packet one-way delay: 5.708 ms
Loss rate: 0.07%
```

Run 6: Report of TCP Cubic — Data Link

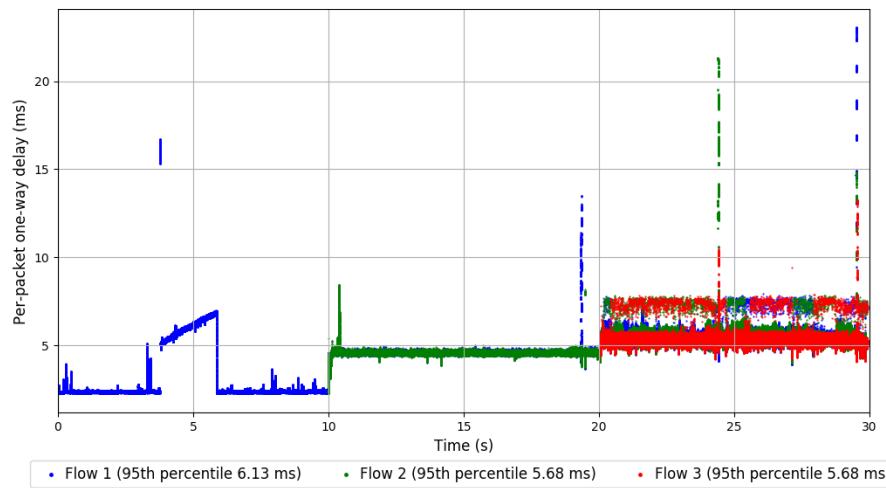
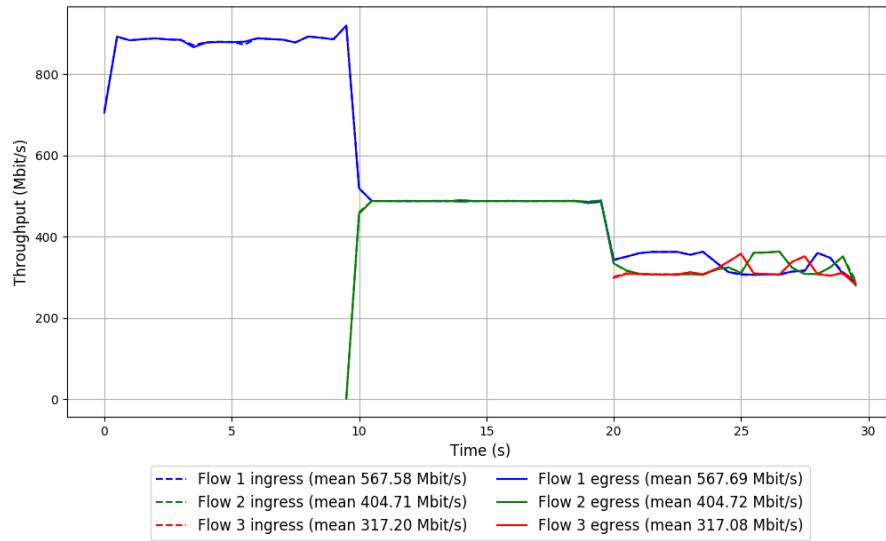


Run 7: Statistics of TCP Cubic

```
Start at: 2017-09-18 09:56:27
End at: 2017-09-18 09:56:57
Local clock offset: -1.696 ms
Remote clock offset: 1.565 ms

# Below is generated by plot.py at 2017-09-18 14:36:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 942.35 Mbit/s
95th percentile per-packet one-way delay: 5.878 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 567.69 Mbit/s
95th percentile per-packet one-way delay: 6.131 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 404.72 Mbit/s
95th percentile per-packet one-way delay: 5.681 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 317.08 Mbit/s
95th percentile per-packet one-way delay: 5.682 ms
Loss rate: 0.24%
```

Run 7: Report of TCP Cubic — Data Link

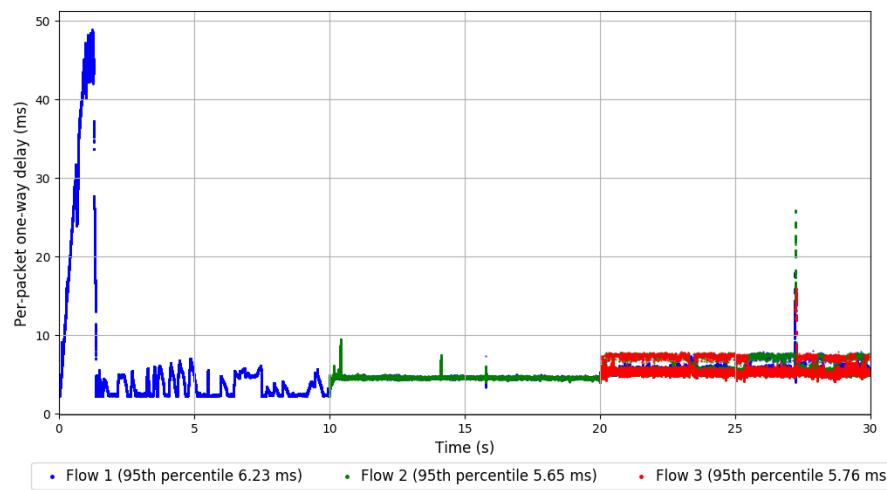
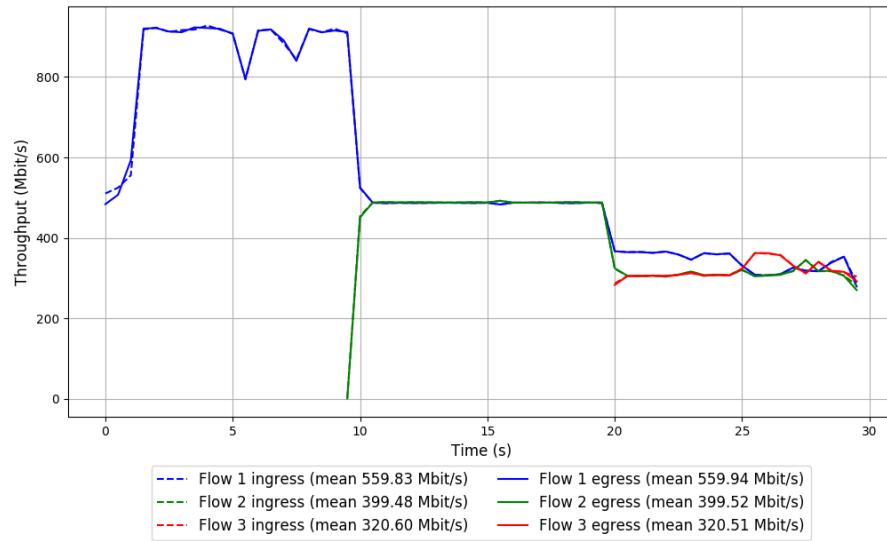


Run 8: Statistics of TCP Cubic

```
Start at: 2017-09-18 10:10:47
End at: 2017-09-18 10:11:17
Local clock offset: -1.883 ms
Remote clock offset: 1.64 ms

# Below is generated by plot.py at 2017-09-18 14:36:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 932.48 Mbit/s
95th percentile per-packet one-way delay: 5.851 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 559.94 Mbit/s
95th percentile per-packet one-way delay: 6.230 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.52 Mbit/s
95th percentile per-packet one-way delay: 5.648 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.51 Mbit/s
95th percentile per-packet one-way delay: 5.759 ms
Loss rate: 0.24%
```

Run 8: Report of TCP Cubic — Data Link

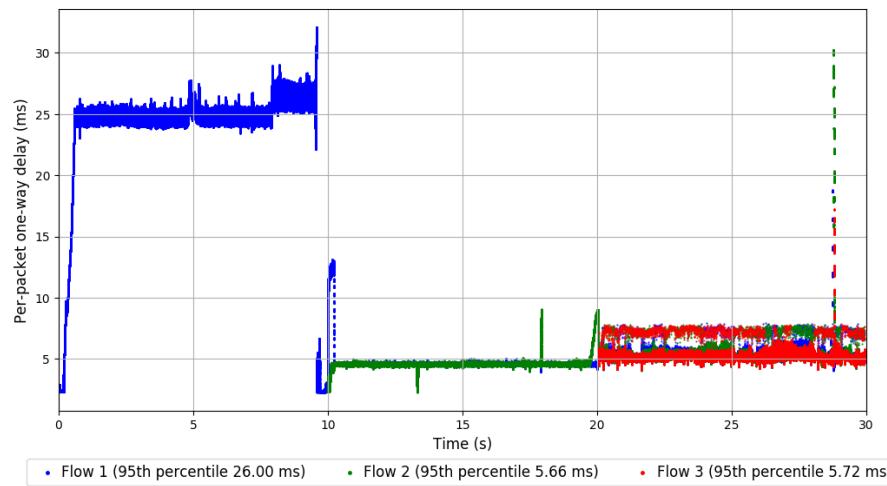
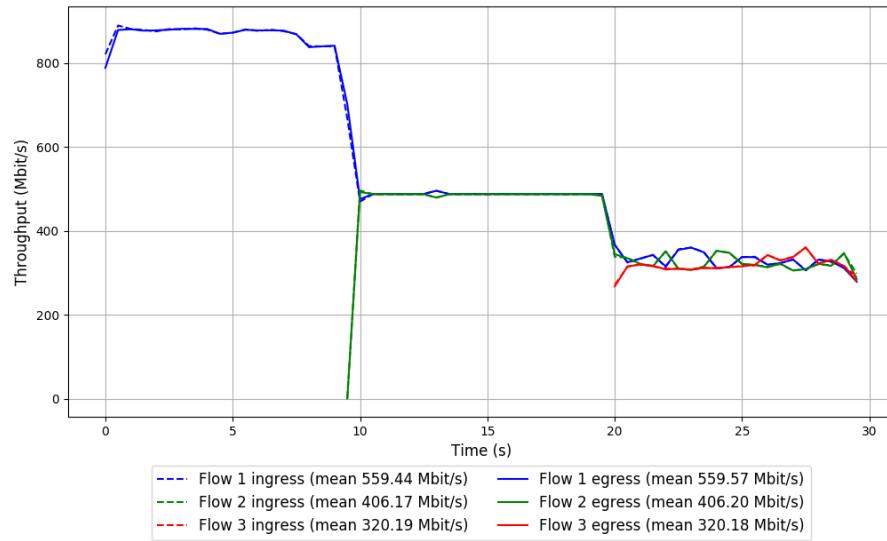


Run 9: Statistics of TCP Cubic

```
Start at: 2017-09-18 10:25:08
End at: 2017-09-18 10:25:38
Local clock offset: -1.935 ms
Remote clock offset: 1.445 ms

# Below is generated by plot.py at 2017-09-18 14:37:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 936.14 Mbit/s
95th percentile per-packet one-way delay: 25.640 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 559.57 Mbit/s
95th percentile per-packet one-way delay: 26.003 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 406.20 Mbit/s
95th percentile per-packet one-way delay: 5.656 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.18 Mbit/s
95th percentile per-packet one-way delay: 5.718 ms
Loss rate: 0.23%
```

Run 9: Report of TCP Cubic — Data Link

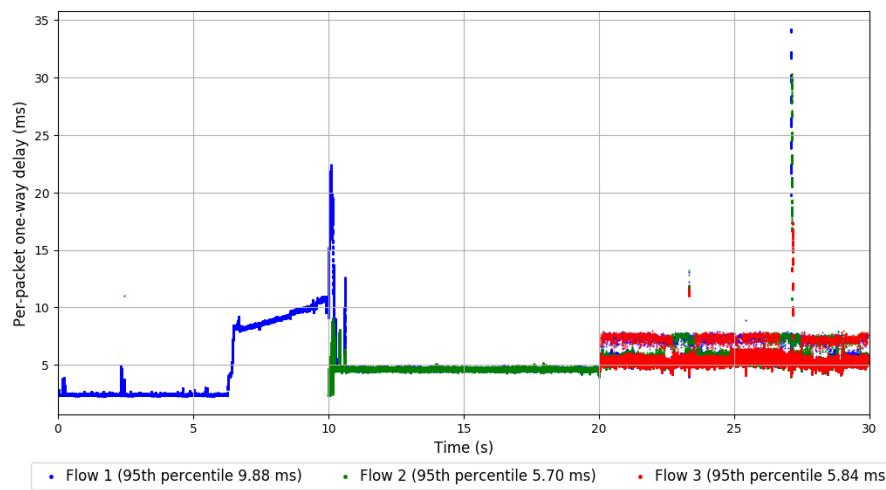
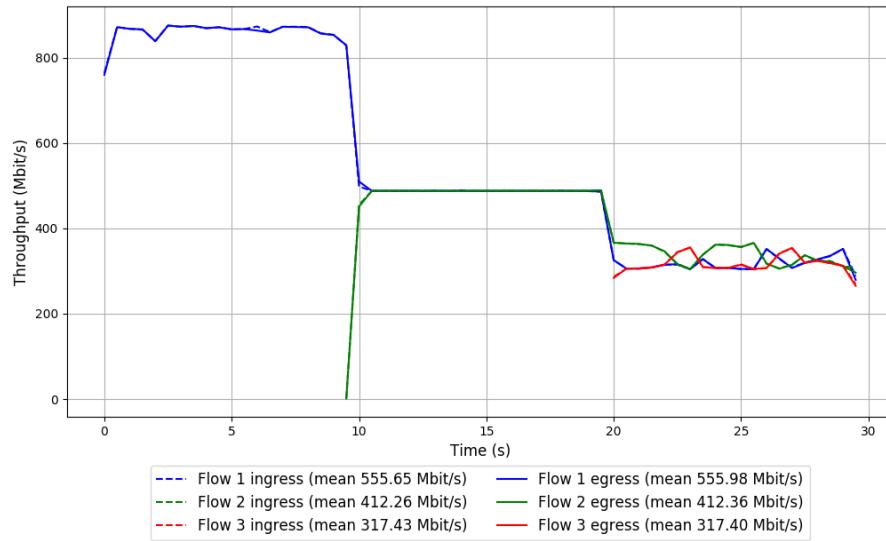


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2017-09-18 10:39:25
End at: 2017-09-18 10:39:55
Local clock offset: -2.05 ms
Remote clock offset: 0.924 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 935.99 Mbit/s
95th percentile per-packet one-way delay: 9.242 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 555.98 Mbit/s
95th percentile per-packet one-way delay: 9.880 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 412.36 Mbit/s
95th percentile per-packet one-way delay: 5.703 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.40 Mbit/s
95th percentile per-packet one-way delay: 5.842 ms
Loss rate: 0.13%
```

Run 10: Report of TCP Cubic — Data Link

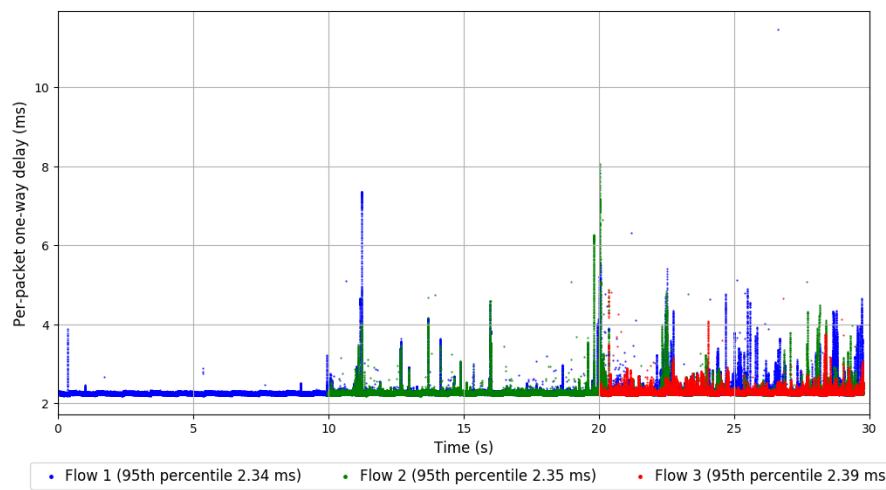
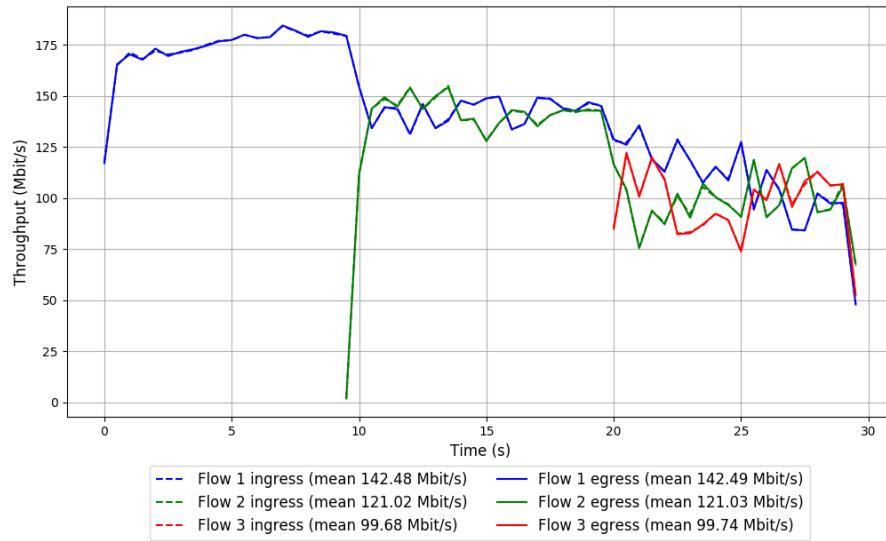


Run 1: Statistics of Indigo

```
Start at: 2017-09-18 08:35:36
End at: 2017-09-18 08:36:06
Local clock offset: -1.878 ms
Remote clock offset: 0.453 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.73 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 142.49 Mbit/s
95th percentile per-packet one-way delay: 2.336 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 121.03 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 99.74 Mbit/s
95th percentile per-packet one-way delay: 2.388 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

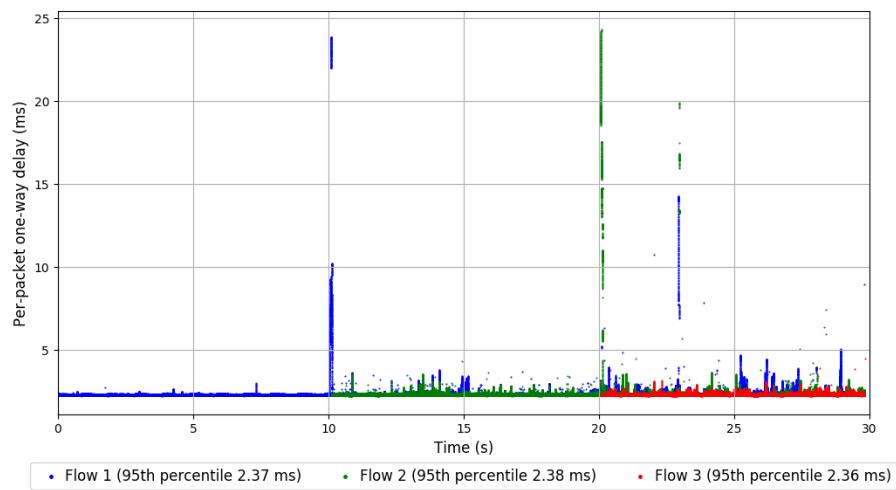
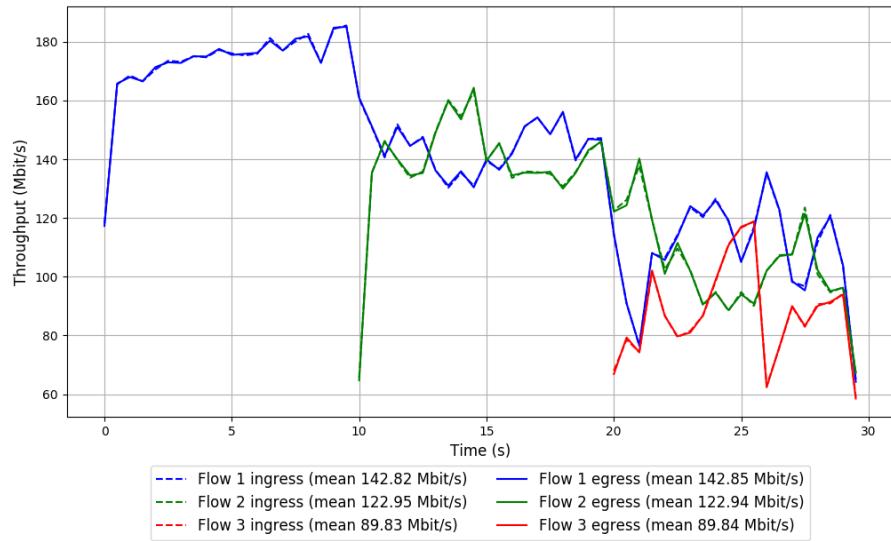


Run 2: Statistics of Indigo

```
Start at: 2017-09-18 08:49:52
End at: 2017-09-18 08:50:22
Local clock offset: -1.913 ms
Remote clock offset: 0.706 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.30 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 142.85 Mbit/s
95th percentile per-packet one-way delay: 2.367 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 122.94 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.06%
```

## Run 2: Report of Indigo — Data Link

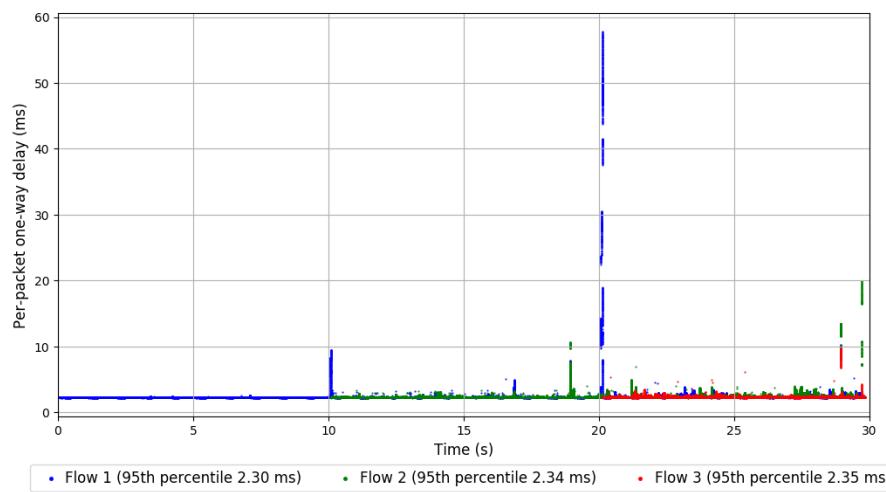
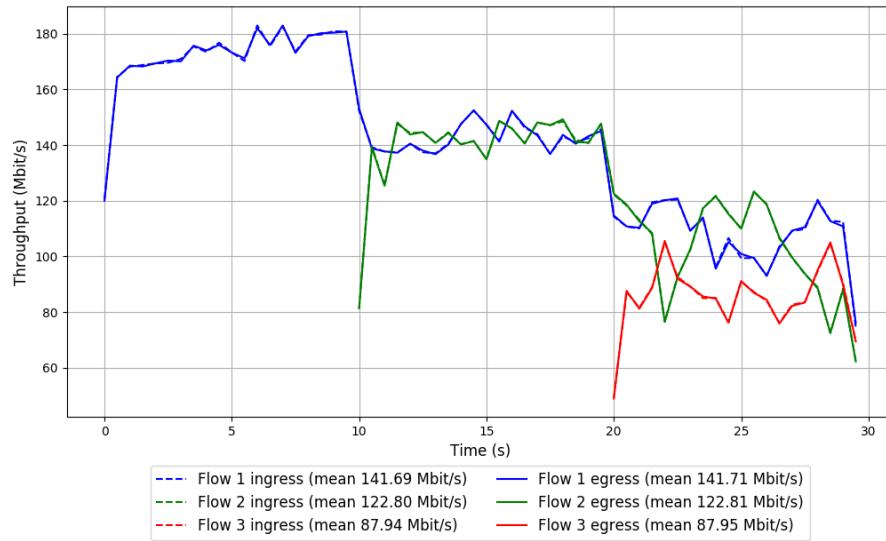


Run 3: Statistics of Indigo

```
Start at: 2017-09-18 09:04:08
End at: 2017-09-18 09:04:38
Local clock offset: -1.963 ms
Remote clock offset: 0.957 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 251.47 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 141.71 Mbit/s
95th percentile per-packet one-way delay: 2.300 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 122.81 Mbit/s
95th percentile per-packet one-way delay: 2.336 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 2.353 ms
Loss rate: 0.03%
```

### Run 3: Report of Indigo — Data Link

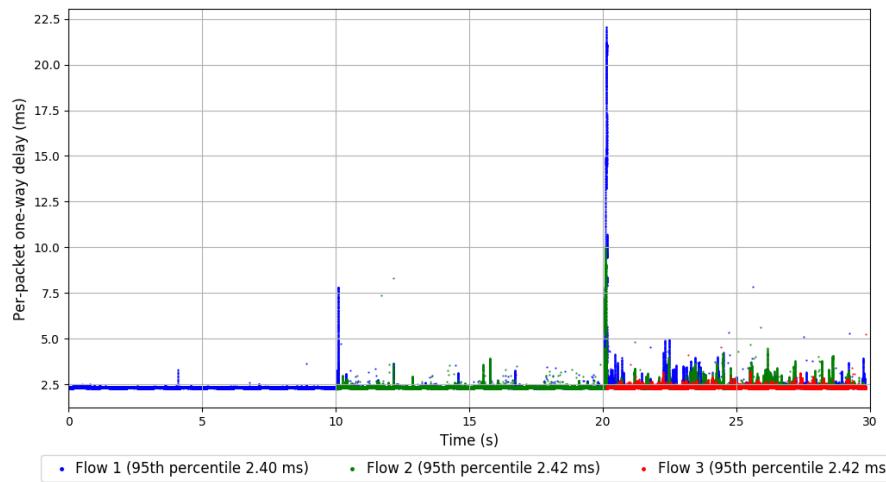
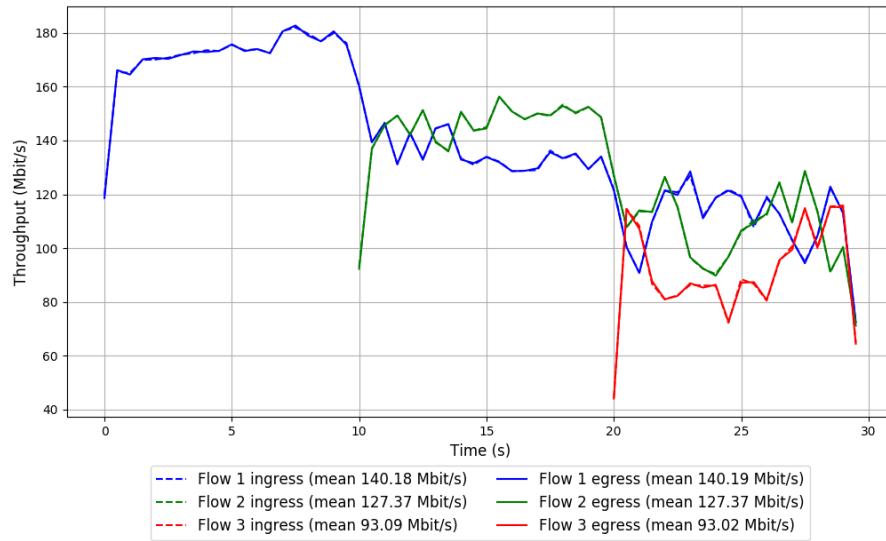


Run 4: Statistics of Indigo

```
Start at: 2017-09-18 09:18:22
End at: 2017-09-18 09:18:52
Local clock offset: -1.653 ms
Remote clock offset: 1.071 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.92 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 140.19 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 127.37 Mbit/s
95th percentile per-packet one-way delay: 2.421 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 2.425 ms
Loss rate: 0.07%
```

## Run 4: Report of Indigo — Data Link

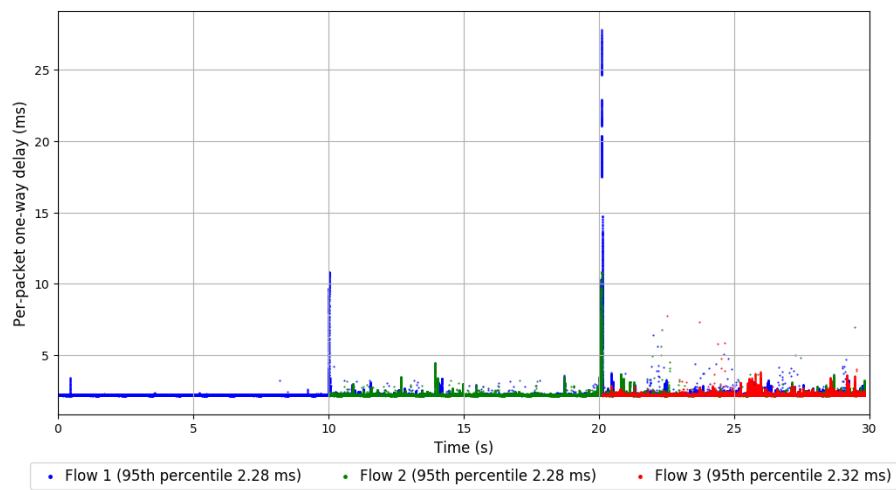
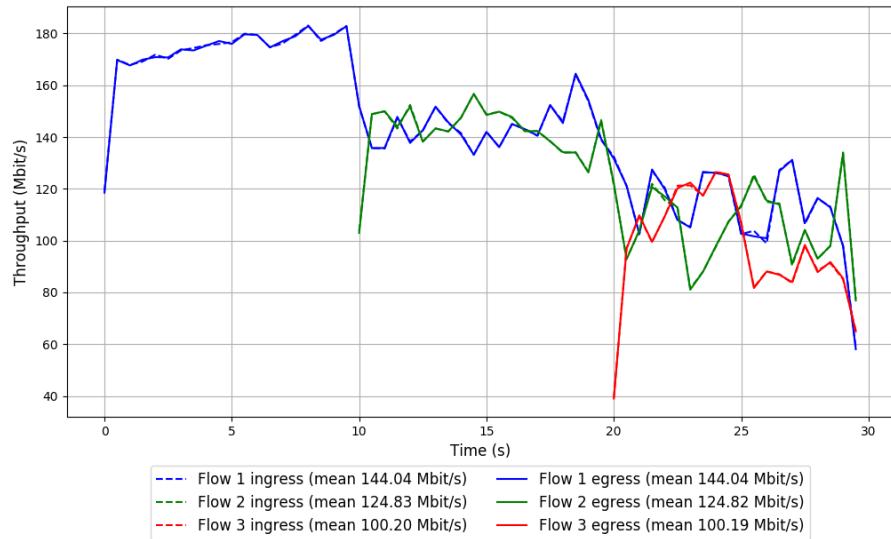


Run 5: Statistics of Indigo

```
Start at: 2017-09-18 09:32:42
End at: 2017-09-18 09:33:12
Local clock offset: -1.749 ms
Remote clock offset: 1.298 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 259.47 Mbit/s
95th percentile per-packet one-way delay: 2.286 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 144.04 Mbit/s
95th percentile per-packet one-way delay: 2.283 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 124.82 Mbit/s
95th percentile per-packet one-way delay: 2.284 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 100.19 Mbit/s
95th percentile per-packet one-way delay: 2.316 ms
Loss rate: 0.03%
```

Run 5: Report of Indigo — Data Link

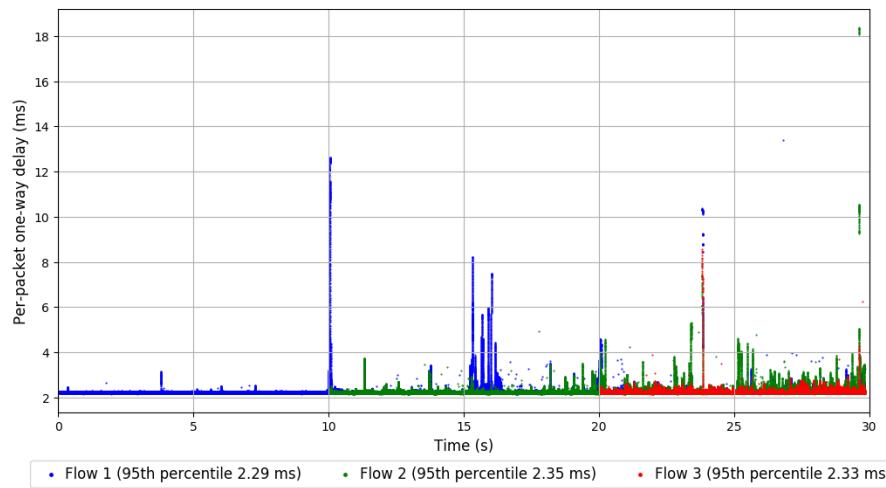
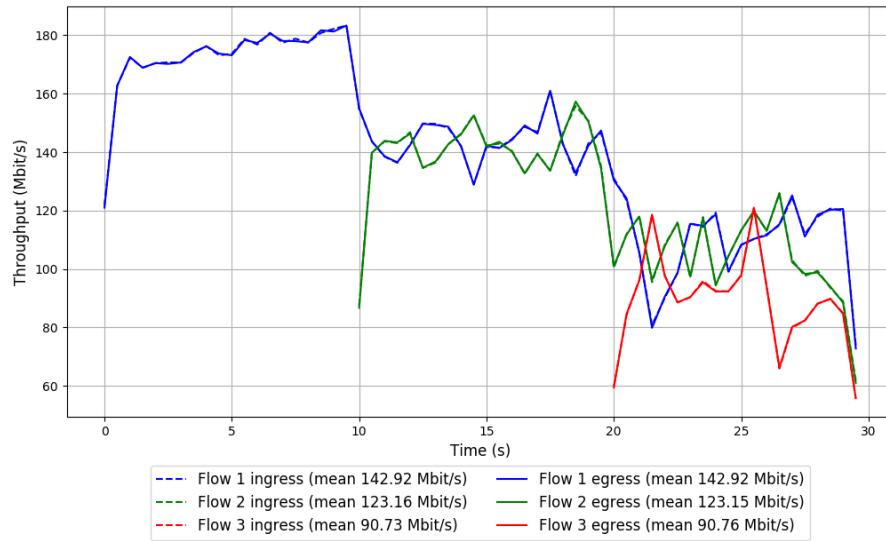


Run 6: Statistics of Indigo

```
Start at: 2017-09-18 09:47:00
End at: 2017-09-18 09:47:30
Local clock offset: -1.753 ms
Remote clock offset: 1.49 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.36 Mbit/s
95th percentile per-packet one-way delay: 2.309 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 142.92 Mbit/s
95th percentile per-packet one-way delay: 2.293 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 123.15 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.02%
```

## Run 6: Report of Indigo — Data Link

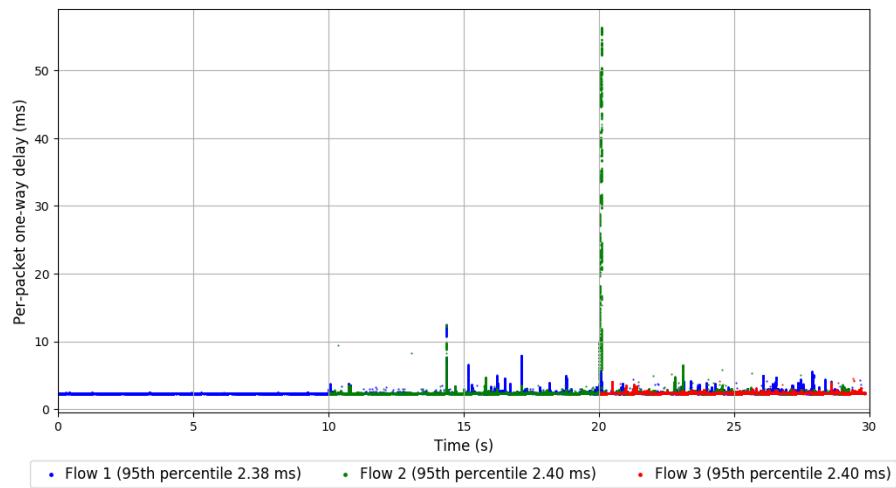
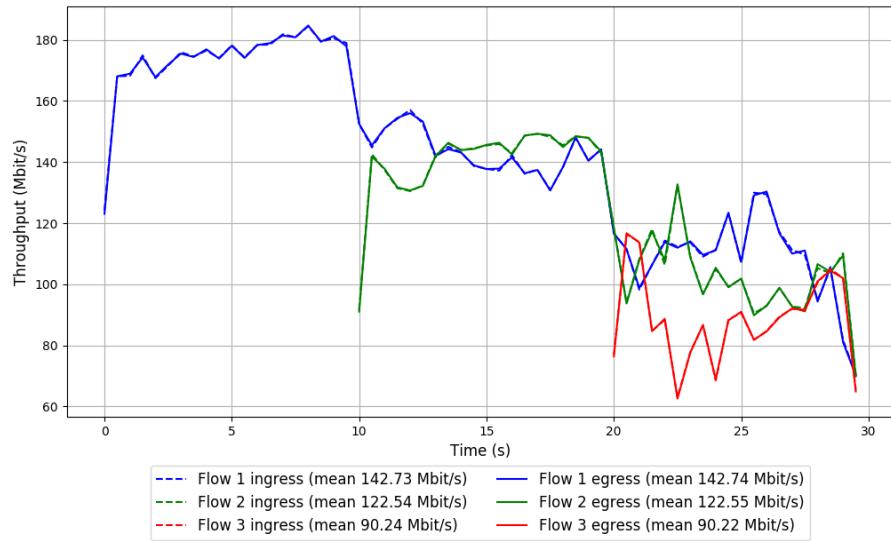


Run 7: Statistics of Indigo

```
Start at: 2017-09-18 10:01:16
End at: 2017-09-18 10:01:46
Local clock offset: -1.766 ms
Remote clock offset: 1.617 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.67 Mbit/s
95th percentile per-packet one-way delay: 2.390 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 142.74 Mbit/s
95th percentile per-packet one-way delay: 2.383 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 122.55 Mbit/s
95th percentile per-packet one-way delay: 2.399 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 2.402 ms
Loss rate: 0.07%
```

Run 7: Report of Indigo — Data Link

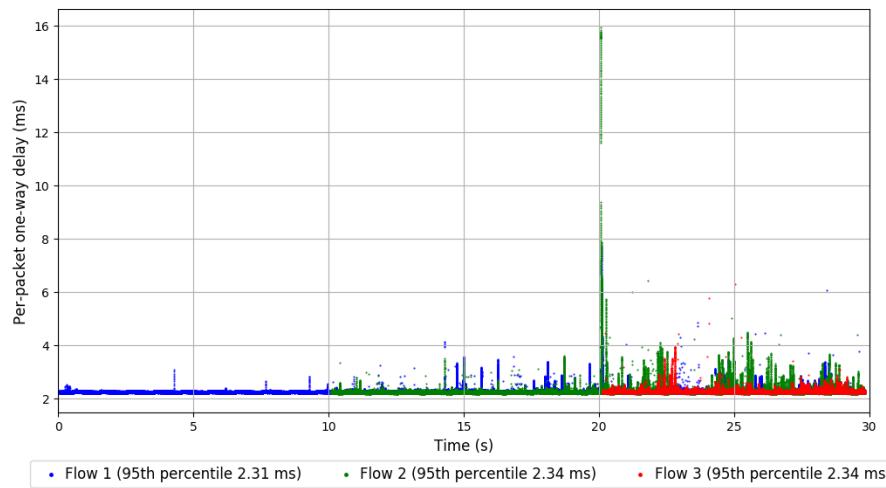
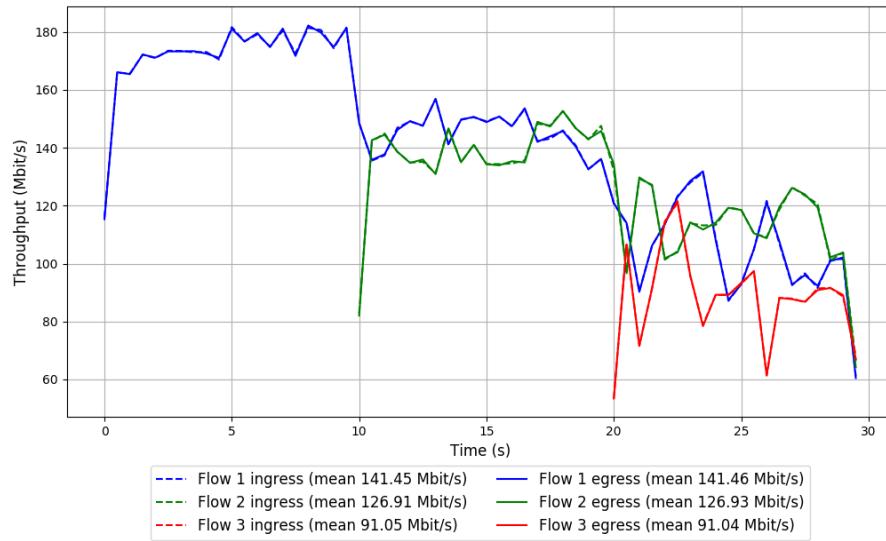


Run 8: Statistics of Indigo

```
Start at: 2017-09-18 10:15:39
End at: 2017-09-18 10:16:09
Local clock offset: -1.993 ms
Remote clock offset: 1.53 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.97 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 141.46 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 126.93 Mbit/s
95th percentile per-packet one-way delay: 2.336 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.08%
```

## Run 8: Report of Indigo — Data Link

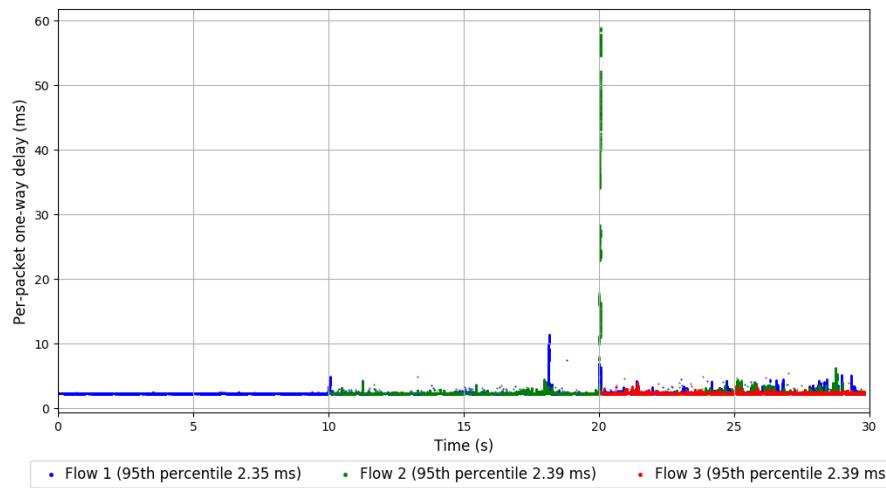
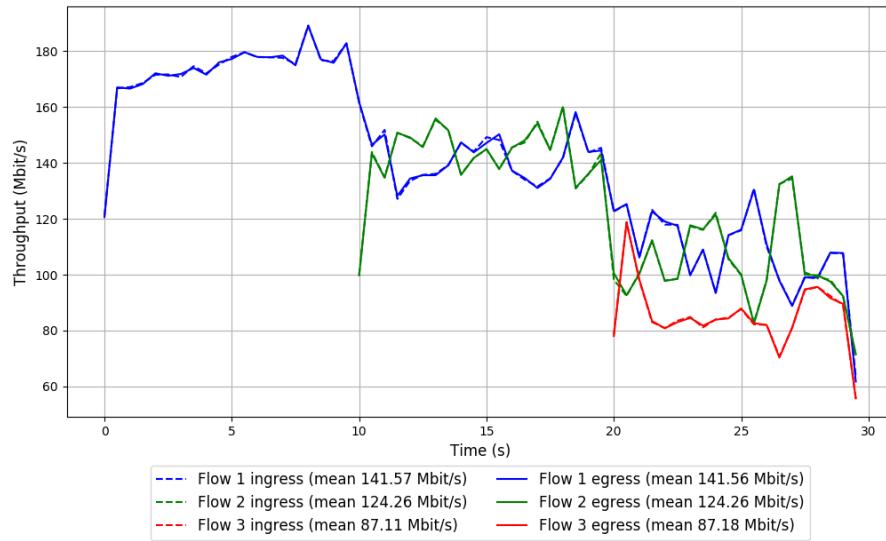


Run 9: Statistics of Indigo

```
Start at: 2017-09-18 10:29:59
End at: 2017-09-18 10:30:29
Local clock offset: -1.982 ms
Remote clock offset: 1.389 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 252.75 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 141.56 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 124.26 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.01%
```

## Run 9: Report of Indigo — Data Link

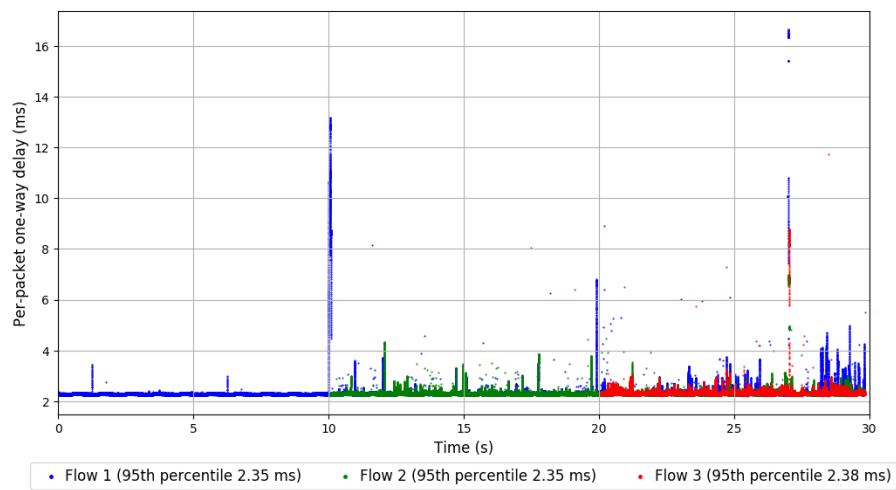
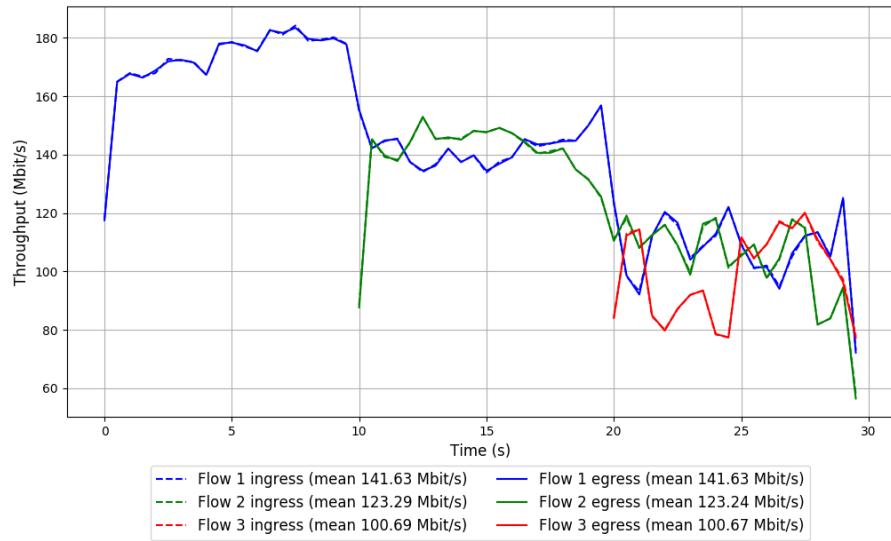


Run 10: Statistics of Indigo

```
Start at: 2017-09-18 10:44:15
End at: 2017-09-18 10:44:45
Local clock offset: -2.116 ms
Remote clock offset: 0.821 ms

# Below is generated by plot.py at 2017-09-18 14:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.31 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 141.63 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 123.24 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 100.67 Mbit/s
95th percentile per-packet one-way delay: 2.383 ms
Loss rate: 0.08%
```

## Run 10: Report of Indigo — Data Link

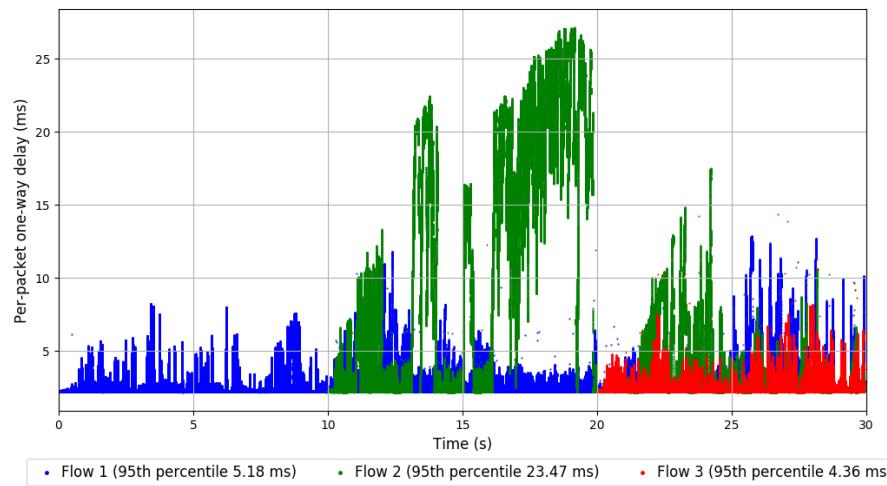
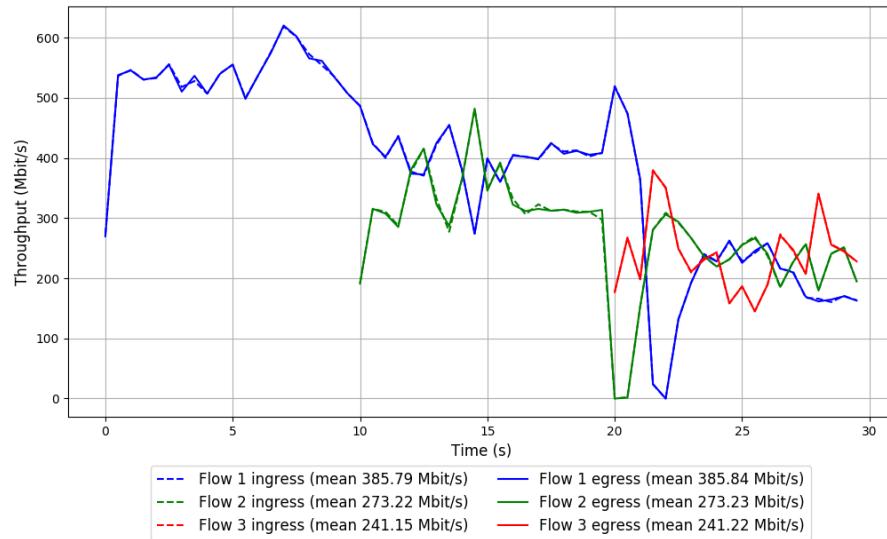


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-09-18 08:25:05
End at: 2017-09-18 08:25:35
Local clock offset: -1.916 ms
Remote clock offset: 0.269 ms

# Below is generated by plot.py at 2017-09-18 14:40:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 647.60 Mbit/s
95th percentile per-packet one-way delay: 17.112 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 385.84 Mbit/s
95th percentile per-packet one-way delay: 5.182 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 273.23 Mbit/s
95th percentile per-packet one-way delay: 23.473 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 241.22 Mbit/s
95th percentile per-packet one-way delay: 4.364 ms
Loss rate: 0.02%
```

## Run 1: Report of LEDBAT — Data Link

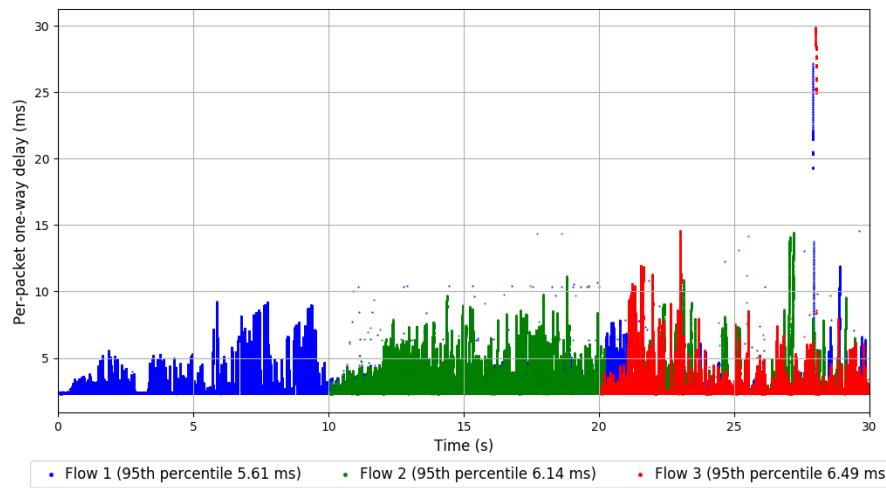
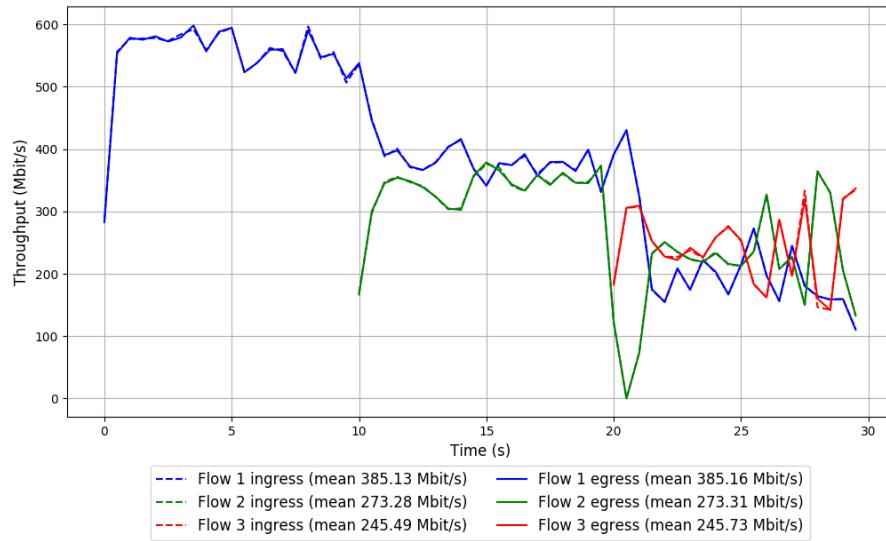


Run 2: Statistics of LEDBAT

```
Start at: 2017-09-18 08:39:22
End at: 2017-09-18 08:39:52
Local clock offset: -1.862 ms
Remote clock offset: 0.446 ms

# Below is generated by plot.py at 2017-09-18 14:40:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 648.37 Mbit/s
95th percentile per-packet one-way delay: 5.946 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 385.16 Mbit/s
95th percentile per-packet one-way delay: 5.608 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 273.31 Mbit/s
95th percentile per-packet one-way delay: 6.137 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 245.73 Mbit/s
95th percentile per-packet one-way delay: 6.488 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

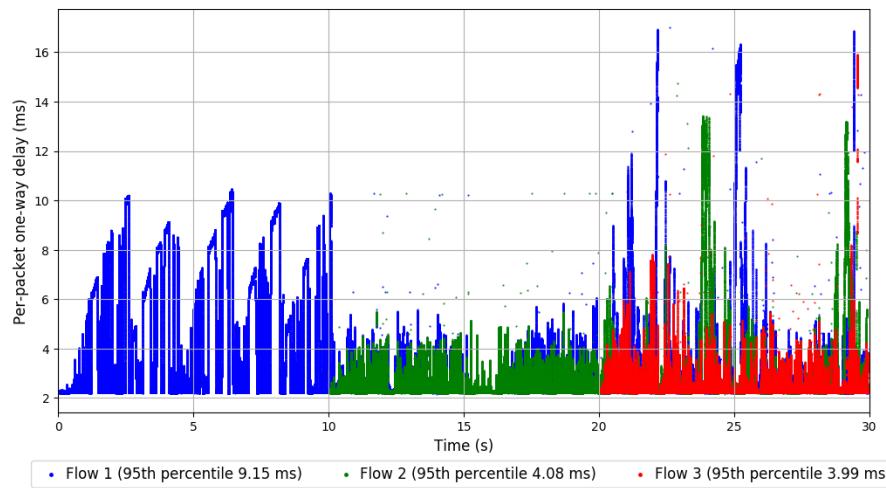
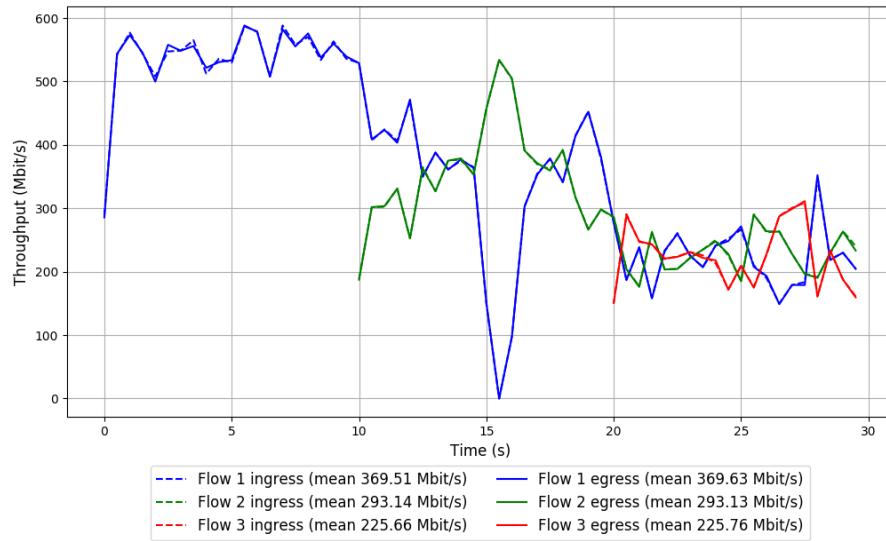


Run 3: Statistics of LEDBAT

```
Start at: 2017-09-18 08:53:38
End at: 2017-09-18 08:54:08
Local clock offset: -1.935 ms
Remote clock offset: 0.819 ms

# Below is generated by plot.py at 2017-09-18 14:44:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 639.33 Mbit/s
95th percentile per-packet one-way delay: 8.394 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 369.63 Mbit/s
95th percentile per-packet one-way delay: 9.152 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 293.13 Mbit/s
95th percentile per-packet one-way delay: 4.077 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 225.76 Mbit/s
95th percentile per-packet one-way delay: 3.987 ms
Loss rate: 0.05%
```

### Run 3: Report of LEDBAT — Data Link

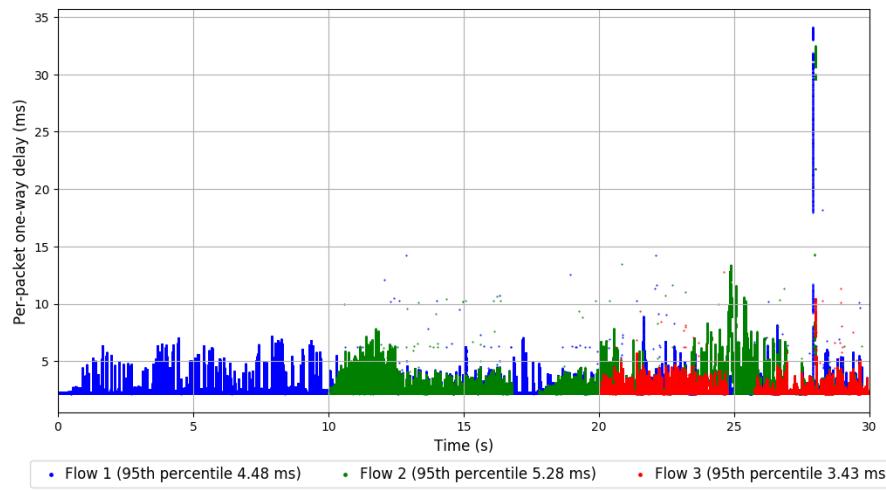
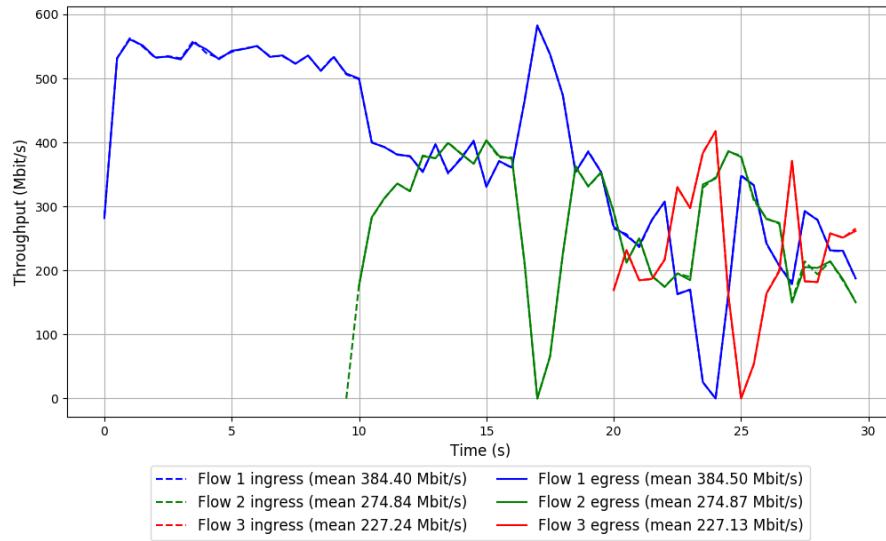


Run 4: Statistics of LEDBAT

```
Start at: 2017-09-18 09:07:53
End at: 2017-09-18 09:08:23
Local clock offset: -1.914 ms
Remote clock offset: 1.021 ms

# Below is generated by plot.py at 2017-09-18 14:44:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 642.77 Mbit/s
95th percentile per-packet one-way delay: 4.539 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 384.50 Mbit/s
95th percentile per-packet one-way delay: 4.479 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 274.87 Mbit/s
95th percentile per-packet one-way delay: 5.279 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 227.13 Mbit/s
95th percentile per-packet one-way delay: 3.429 ms
Loss rate: 0.09%
```

## Run 4: Report of LEDBAT — Data Link

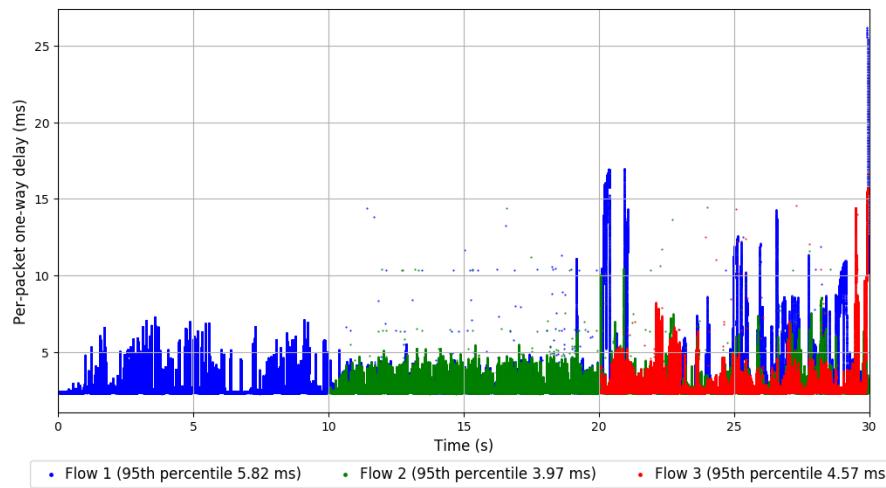
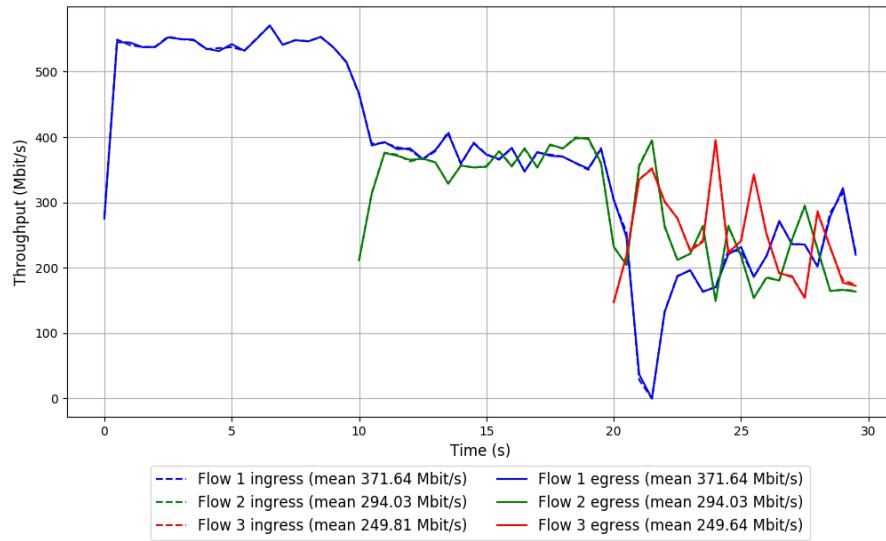


Run 5: Statistics of LEDBAT

```
Start at: 2017-09-18 09:22:08
End at: 2017-09-18 09:22:38
Local clock offset: -1.63 ms
Remote clock offset: 1.113 ms

# Below is generated by plot.py at 2017-09-18 14:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 649.94 Mbit/s
95th percentile per-packet one-way delay: 5.052 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 371.64 Mbit/s
95th percentile per-packet one-way delay: 5.817 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 294.03 Mbit/s
95th percentile per-packet one-way delay: 3.966 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 249.64 Mbit/s
95th percentile per-packet one-way delay: 4.571 ms
Loss rate: 0.13%
```

Run 5: Report of LEDBAT — Data Link

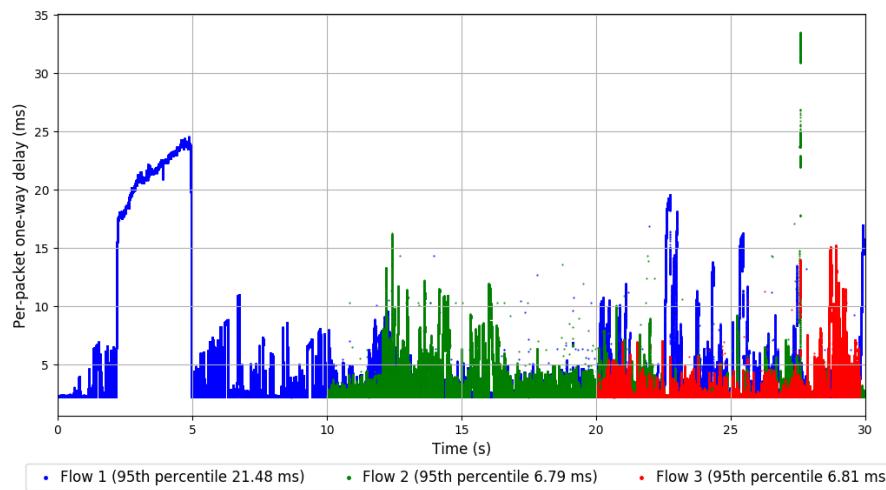
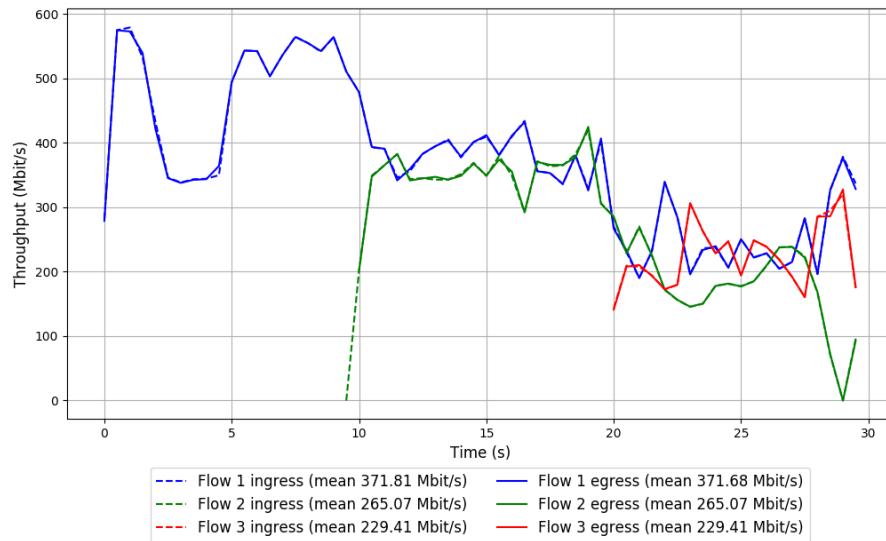


Run 6: Statistics of LEDBAT

```
Start at: 2017-09-18 09:36:27
End at: 2017-09-18 09:36:57
Local clock offset: -1.665 ms
Remote clock offset: 1.359 ms

# Below is generated by plot.py at 2017-09-18 14:45:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 622.98 Mbit/s
95th percentile per-packet one-way delay: 17.870 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 21.475 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 265.07 Mbit/s
95th percentile per-packet one-way delay: 6.795 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 229.41 Mbit/s
95th percentile per-packet one-way delay: 6.812 ms
Loss rate: 0.00%
```

## Run 6: Report of LEDBAT — Data Link

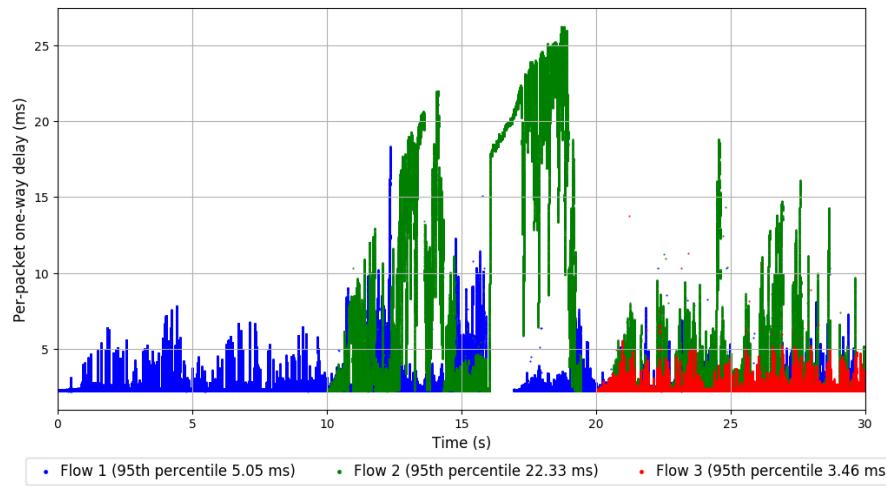
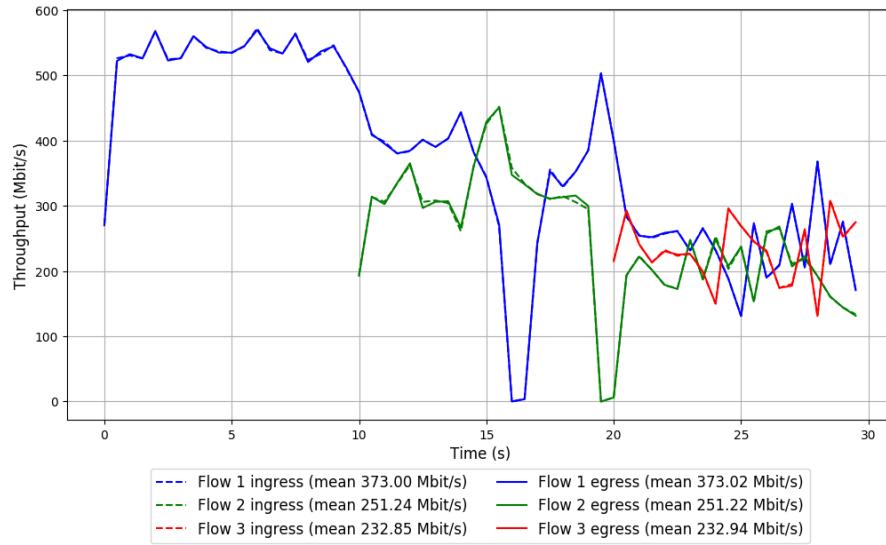


Run 7: Statistics of LEDBAT

```
Start at: 2017-09-18 09:50:46
End at: 2017-09-18 09:51:16
Local clock offset: -1.692 ms
Remote clock offset: 1.516 ms

# Below is generated by plot.py at 2017-09-18 14:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 617.38 Mbit/s
95th percentile per-packet one-way delay: 18.049 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 373.02 Mbit/s
95th percentile per-packet one-way delay: 5.050 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 251.22 Mbit/s
95th percentile per-packet one-way delay: 22.328 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 232.94 Mbit/s
95th percentile per-packet one-way delay: 3.465 ms
Loss rate: 0.02%
```

## Run 7: Report of LEDBAT — Data Link

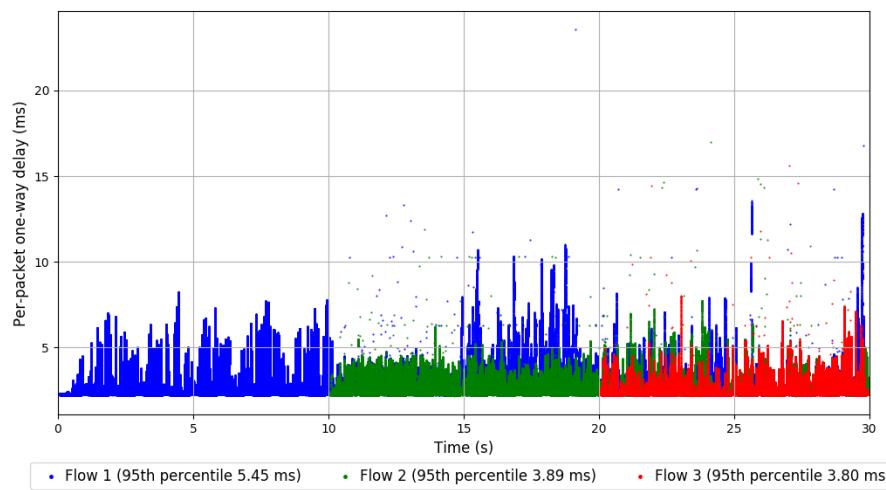
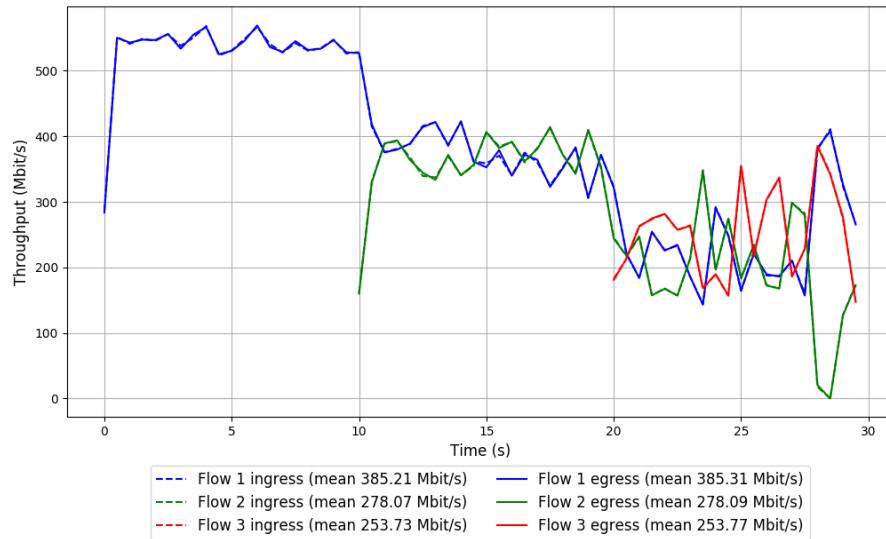


Run 8: Statistics of LEDBAT

```
Start at: 2017-09-18 10:05:02
End at: 2017-09-18 10:05:32
Local clock offset: -1.851 ms
Remote clock offset: 1.653 ms

# Below is generated by plot.py at 2017-09-18 14:46:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 654.35 Mbit/s
95th percentile per-packet one-way delay: 4.848 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 385.31 Mbit/s
95th percentile per-packet one-way delay: 5.450 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 278.09 Mbit/s
95th percentile per-packet one-way delay: 3.892 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 253.77 Mbit/s
95th percentile per-packet one-way delay: 3.803 ms
Loss rate: 0.04%
```

Run 8: Report of LEDBAT — Data Link

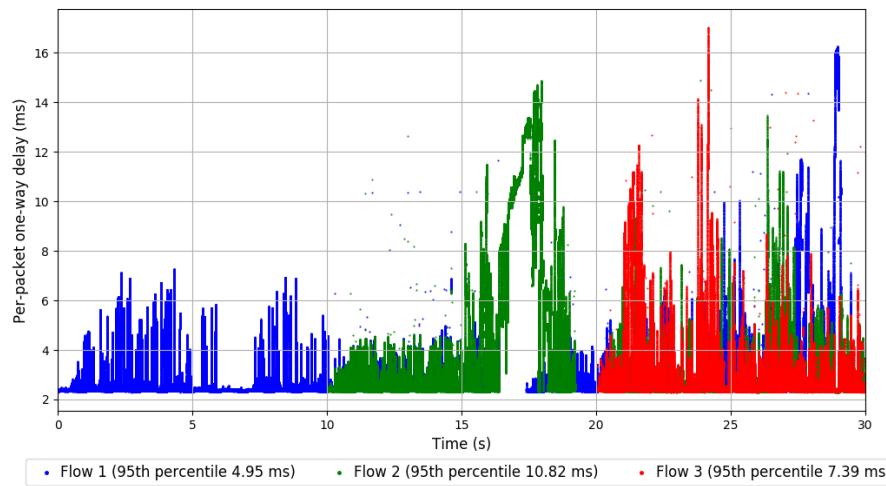
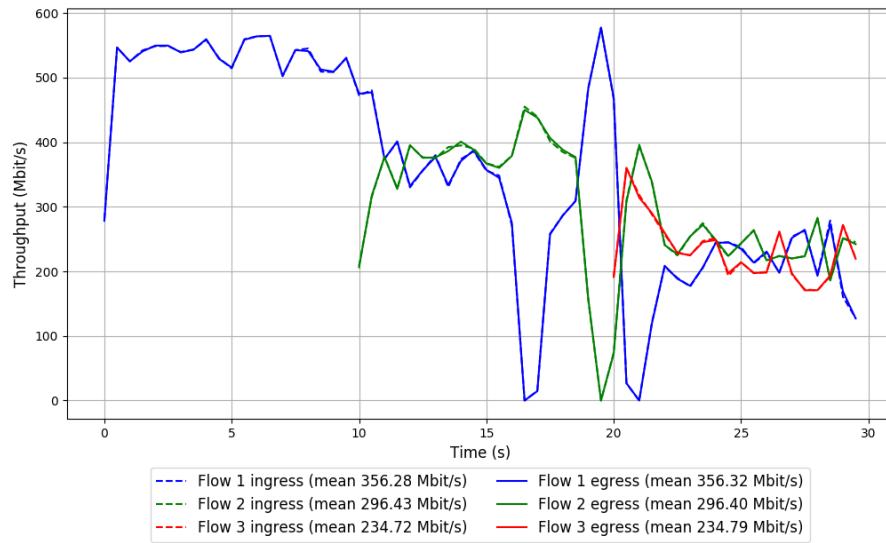


Run 9: Statistics of LEDBAT

```
Start at: 2017-09-18 10:19:24
End at: 2017-09-18 10:19:54
Local clock offset: -1.914 ms
Remote clock offset: 1.469 ms

# Below is generated by plot.py at 2017-09-18 14:50:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 631.30 Mbit/s
95th percentile per-packet one-way delay: 7.351 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 356.32 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 296.40 Mbit/s
95th percentile per-packet one-way delay: 10.818 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 234.79 Mbit/s
95th percentile per-packet one-way delay: 7.393 ms
Loss rate: 0.03%
```

Run 9: Report of LEDBAT — Data Link

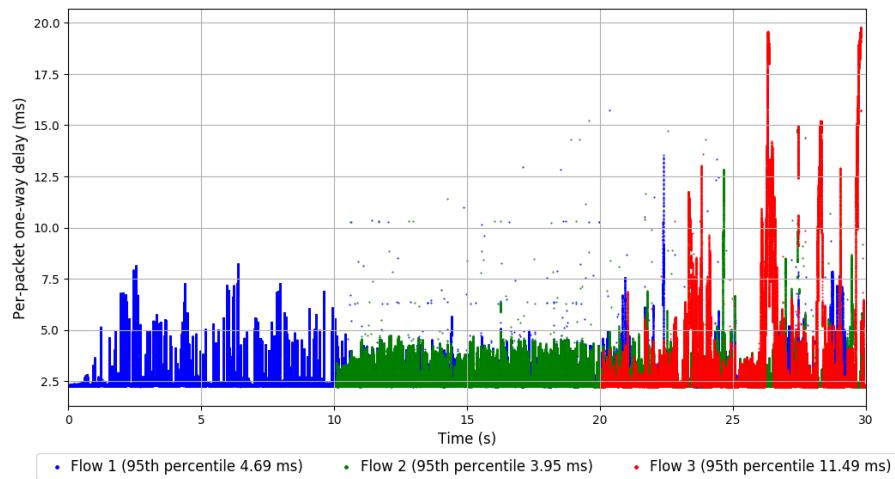
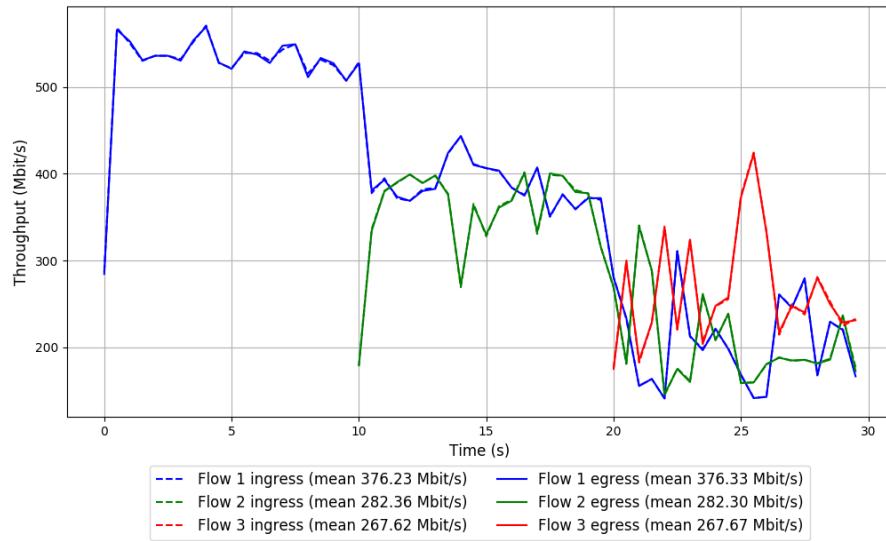


Run 10: Statistics of LEDBAT

```
Start at: 2017-09-18 10:33:44
End at: 2017-09-18 10:34:14
Local clock offset: -1.999 ms
Remote clock offset: 1.283 ms

# Below is generated by plot.py at 2017-09-18 14:50:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 652.89 Mbit/s
95th percentile per-packet one-way delay: 4.808 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 376.33 Mbit/s
95th percentile per-packet one-way delay: 4.694 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 282.30 Mbit/s
95th percentile per-packet one-way delay: 3.951 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 267.67 Mbit/s
95th percentile per-packet one-way delay: 11.495 ms
Loss rate: 0.05%
```

Run 10: Report of LEDBAT — Data Link

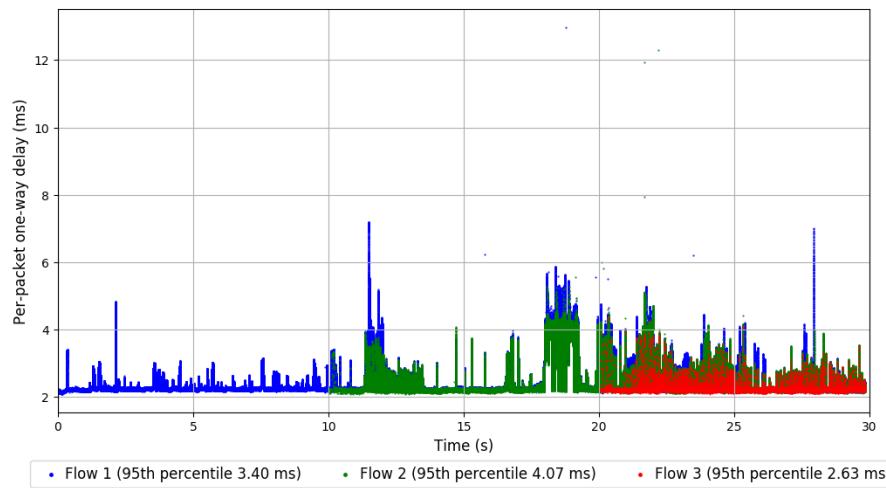
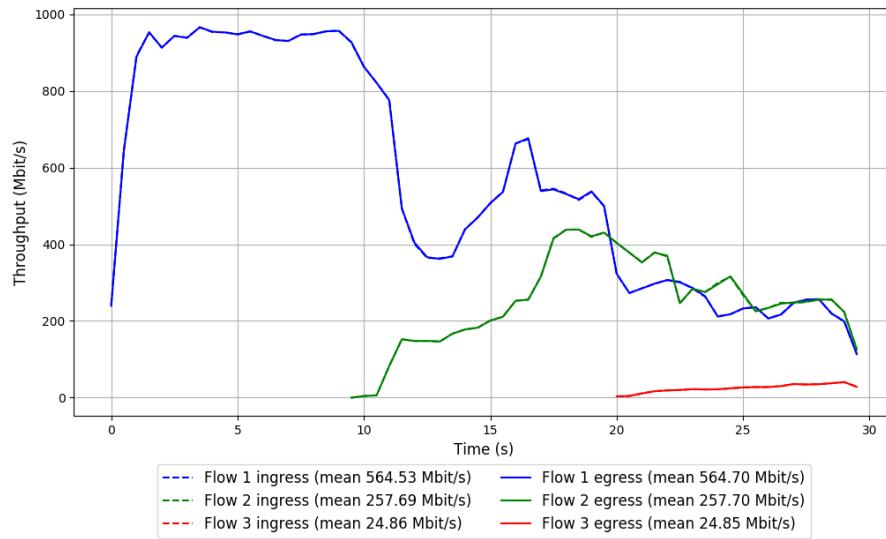


```
Run 1: Statistics of PCC

Start at: 2017-09-18 08:32:33
End at: 2017-09-18 08:33:03
Local clock offset: -1.931 ms
Remote clock offset: 0.384 ms

# Below is generated by plot.py at 2017-09-18 14:54:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 744.24 Mbit/s
95th percentile per-packet one-way delay: 3.792 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 564.70 Mbit/s
95th percentile per-packet one-way delay: 3.402 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 257.70 Mbit/s
95th percentile per-packet one-way delay: 4.070 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.08%
```

## Run 1: Report of PCC — Data Link

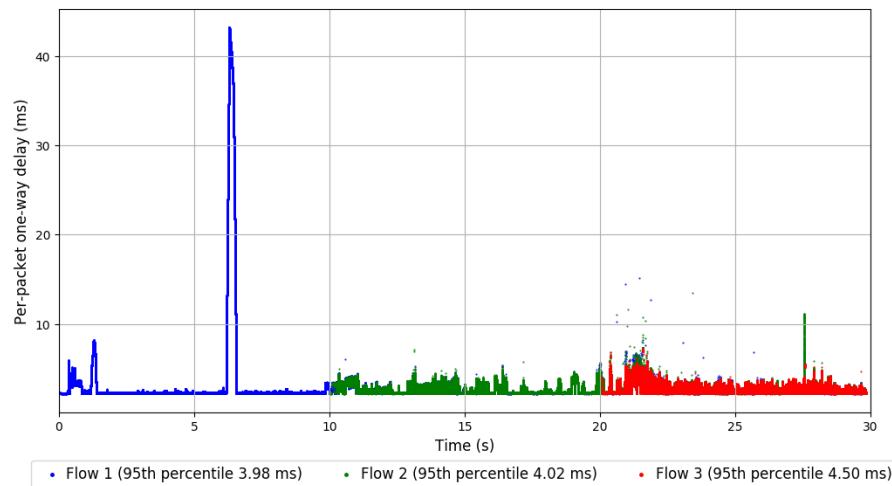
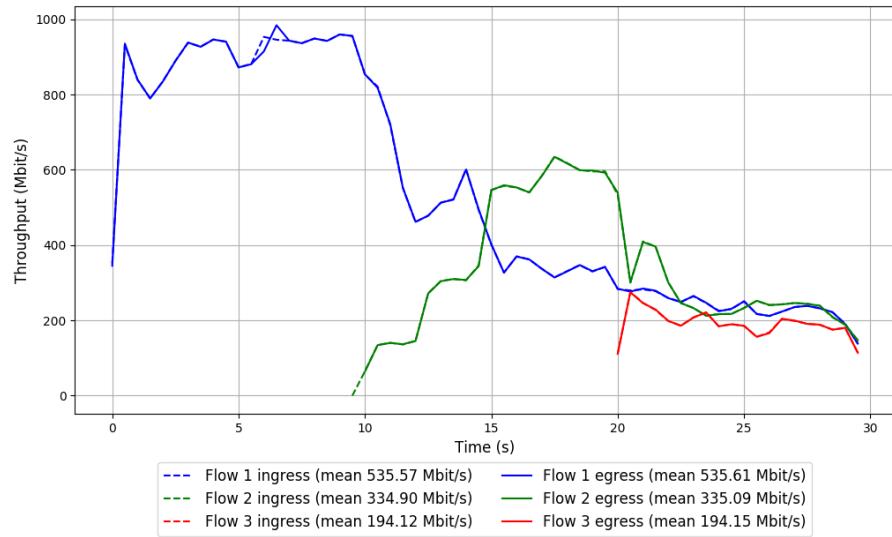


Run 2: Statistics of PCC

```
Start at: 2017-09-18 08:46:41
End at: 2017-09-18 08:47:11
Local clock offset: -1.872 ms
Remote clock offset: 0.66 ms

# Below is generated by plot.py at 2017-09-18 14:56:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 822.20 Mbit/s
95th percentile per-packet one-way delay: 4.022 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 535.61 Mbit/s
95th percentile per-packet one-way delay: 3.977 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 335.09 Mbit/s
95th percentile per-packet one-way delay: 4.016 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 194.15 Mbit/s
95th percentile per-packet one-way delay: 4.503 ms
Loss rate: 0.04%
```

## Run 2: Report of PCC — Data Link

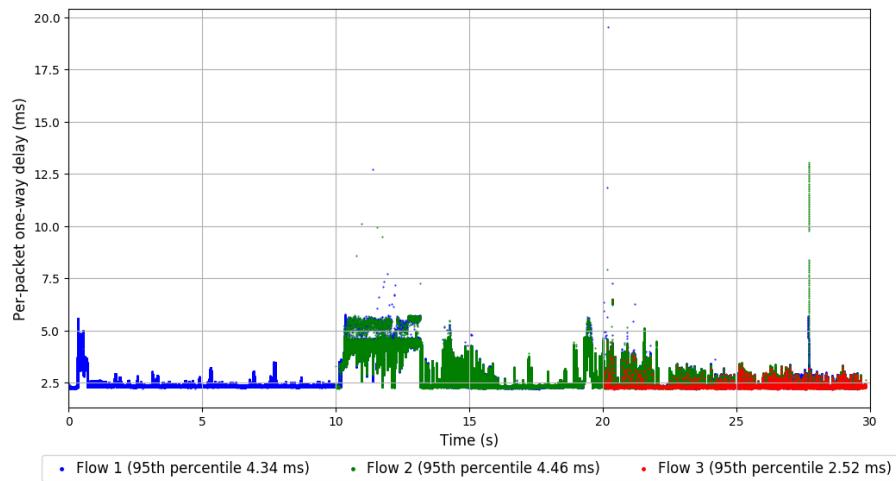
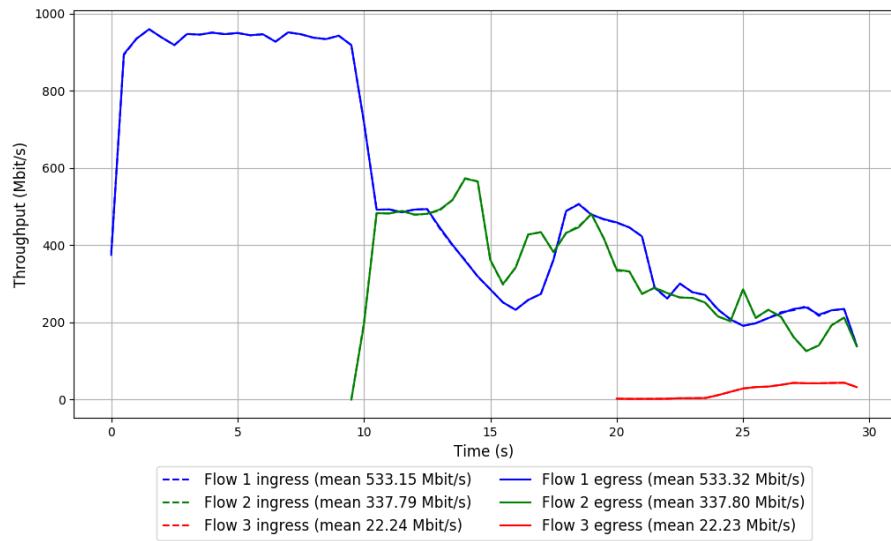


Run 3: Statistics of PCC

```
Start at: 2017-09-18 09:00:58
End at: 2017-09-18 09:01:28
Local clock offset: -1.949 ms
Remote clock offset: 0.889 ms

# Below is generated by plot.py at 2017-09-18 14:56:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 765.33 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 533.32 Mbit/s
95th percentile per-packet one-way delay: 4.342 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 337.80 Mbit/s
95th percentile per-packet one-way delay: 4.456 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 2.520 ms
Loss rate: 0.11%
```

### Run 3: Report of PCC — Data Link

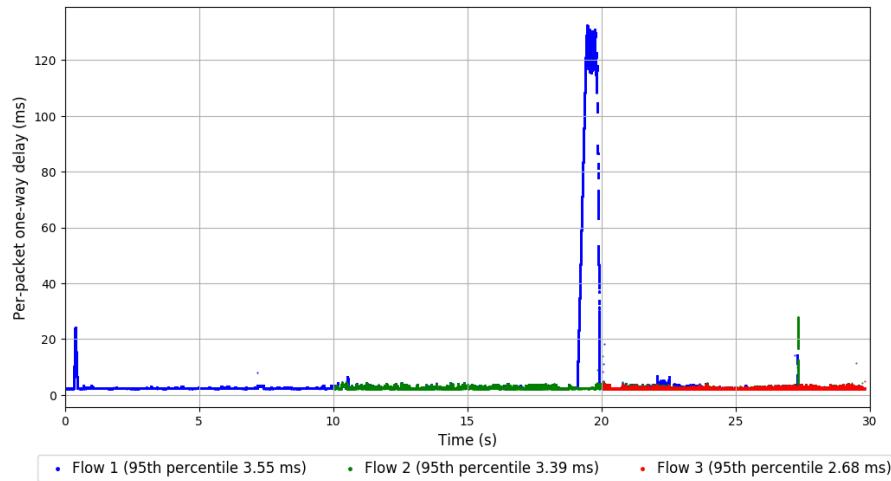
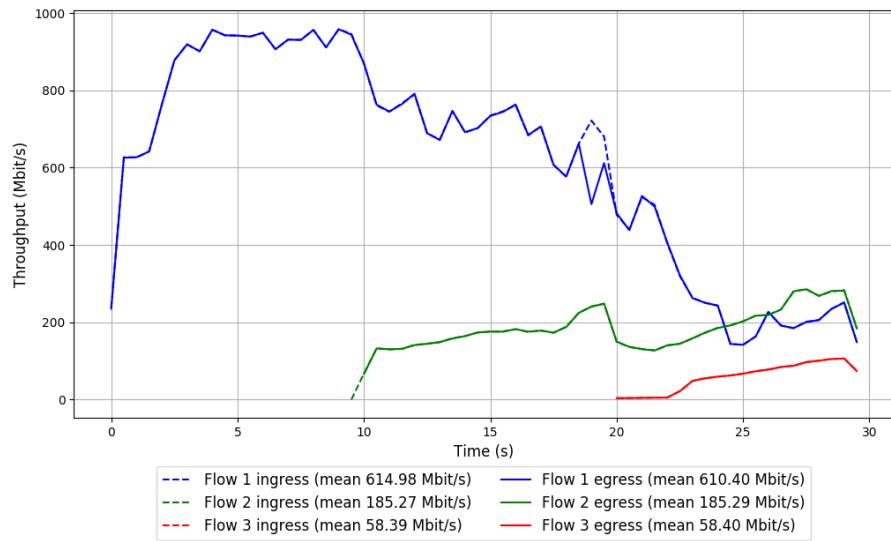


Run 4: Statistics of PCC

```
Start at: 2017-09-18 09:15:13
End at: 2017-09-18 09:15:43
Local clock offset: -1.695 ms
Remote clock offset: 1.1 ms

# Below is generated by plot.py at 2017-09-18 14:56:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 752.67 Mbit/s
95th percentile per-packet one-way delay: 3.517 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 610.40 Mbit/s
95th percentile per-packet one-way delay: 3.550 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 185.29 Mbit/s
95th percentile per-packet one-way delay: 3.388 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 2.677 ms
Loss rate: 0.09%
```

## Run 4: Report of PCC — Data Link

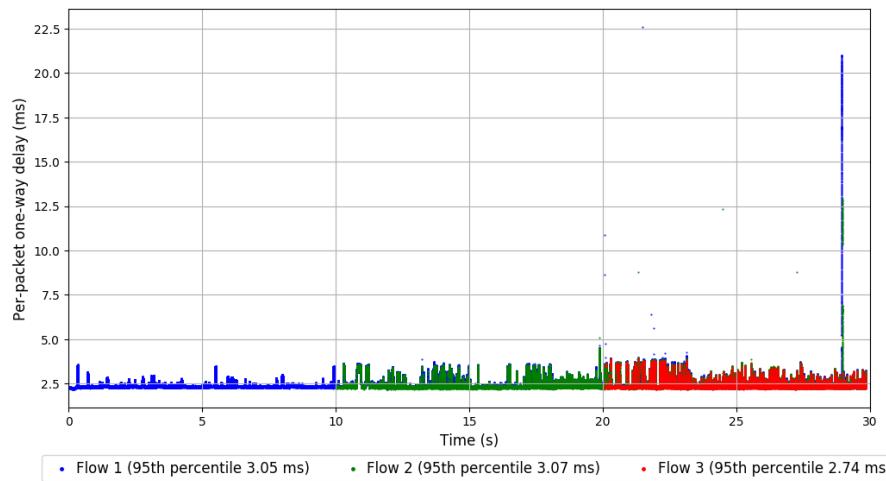
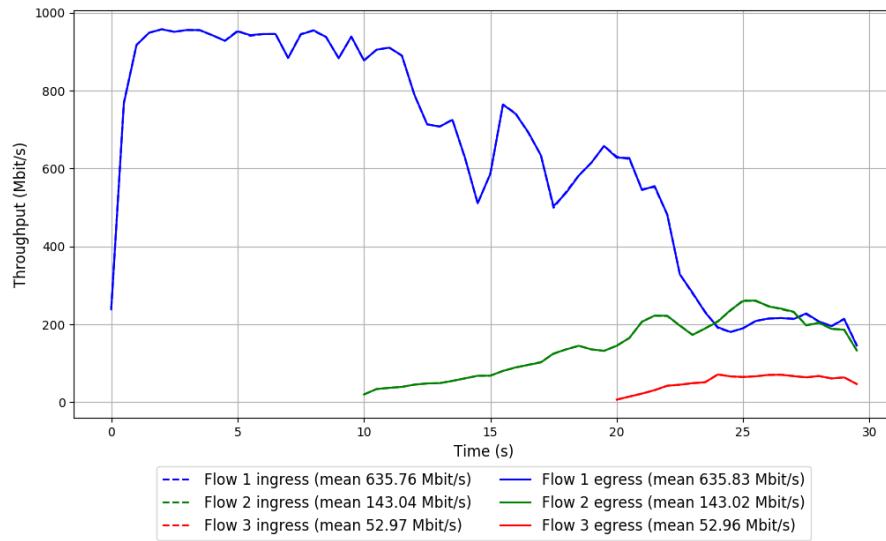


Run 5: Statistics of PCC

```
Start at: 2017-09-18 09:29:33
End at: 2017-09-18 09:30:03
Local clock offset: -1.657 ms
Remote clock offset: 1.256 ms

# Below is generated by plot.py at 2017-09-18 14:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 748.26 Mbit/s
95th percentile per-packet one-way delay: 3.045 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 635.83 Mbit/s
95th percentile per-packet one-way delay: 3.051 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 143.02 Mbit/s
95th percentile per-packet one-way delay: 3.066 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 52.96 Mbit/s
95th percentile per-packet one-way delay: 2.744 ms
Loss rate: 0.06%
```

Run 5: Report of PCC — Data Link

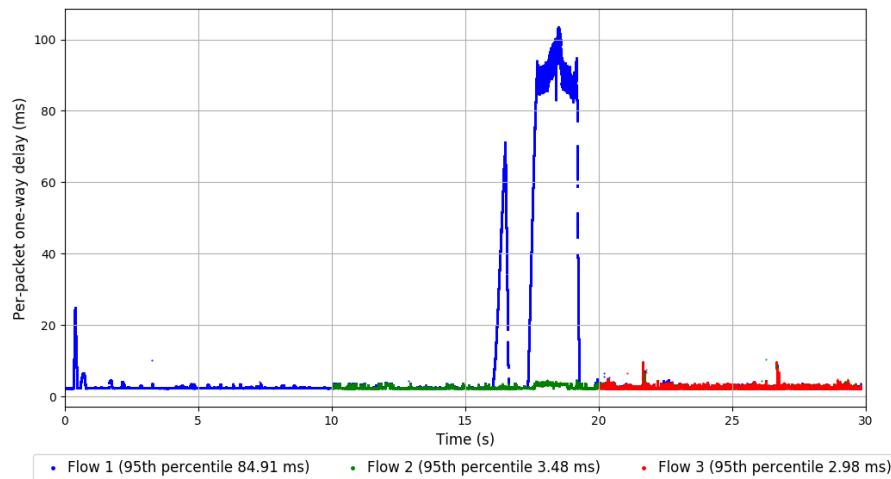
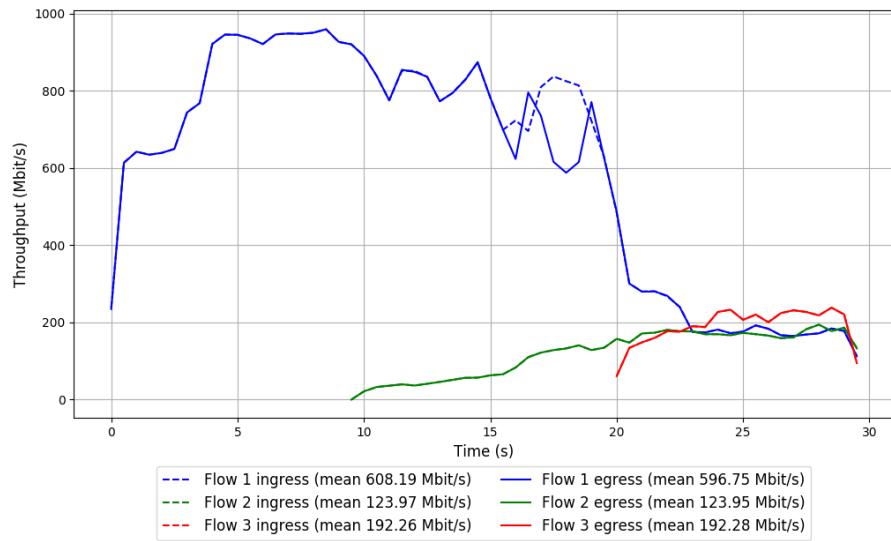


Run 6: Statistics of PCC

```
Start at: 2017-09-18 09:43:52
End at: 2017-09-18 09:44:22
Local clock offset: -1.675 ms
Remote clock offset: 1.469 ms

# Below is generated by plot.py at 2017-09-18 14:57:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 742.48 Mbit/s
95th percentile per-packet one-way delay: 56.510 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 596.75 Mbit/s
95th percentile per-packet one-way delay: 84.911 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 123.95 Mbit/s
95th percentile per-packet one-way delay: 3.481 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 192.28 Mbit/s
95th percentile per-packet one-way delay: 2.976 ms
Loss rate: 0.03%
```

## Run 6: Report of PCC — Data Link

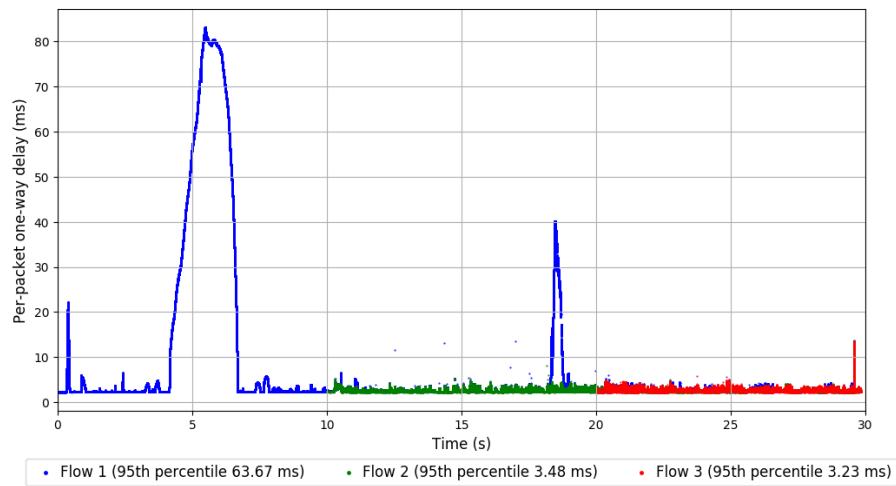
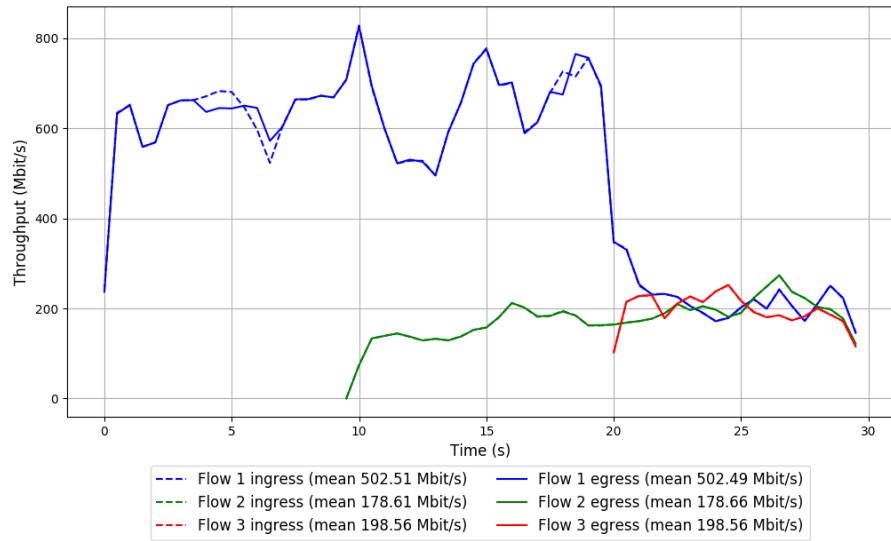


Run 7: Statistics of PCC

```
Start at: 2017-09-18 09:58:10
End at: 2017-09-18 09:58:40
Local clock offset: -1.691 ms
Remote clock offset: 1.601 ms

# Below is generated by plot.py at 2017-09-18 15:00:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 686.70 Mbit/s
95th percentile per-packet one-way delay: 48.700 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 502.49 Mbit/s
95th percentile per-packet one-way delay: 63.667 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 178.66 Mbit/s
95th percentile per-packet one-way delay: 3.481 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 198.56 Mbit/s
95th percentile per-packet one-way delay: 3.226 ms
Loss rate: 0.04%
```

## Run 7: Report of PCC — Data Link

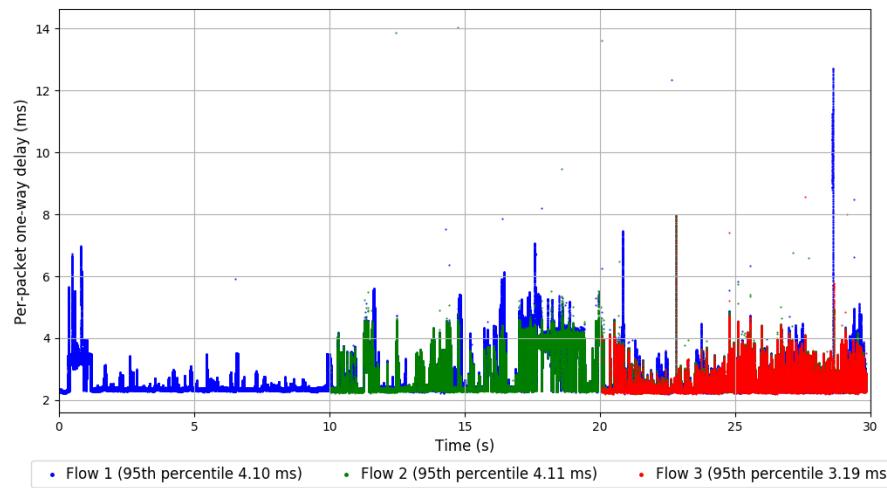
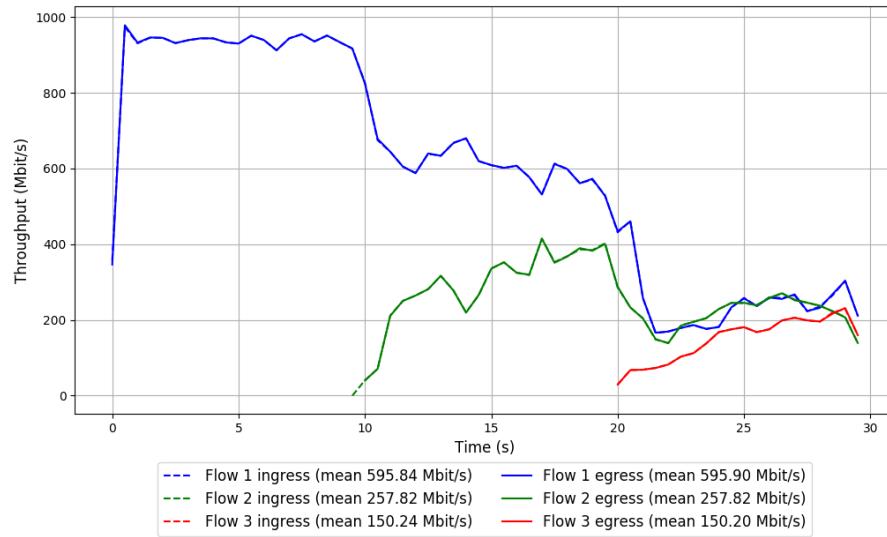


Run 8: Statistics of PCC

```
Start at: 2017-09-18 10:12:29
End at: 2017-09-18 10:12:59
Local clock offset: -1.896 ms
Remote clock offset: 1.615 ms

# Below is generated by plot.py at 2017-09-18 15:03:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 816.69 Mbit/s
95th percentile per-packet one-way delay: 4.089 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 595.90 Mbit/s
95th percentile per-packet one-way delay: 4.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 257.82 Mbit/s
95th percentile per-packet one-way delay: 4.108 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 150.20 Mbit/s
95th percentile per-packet one-way delay: 3.194 ms
Loss rate: 0.07%
```

## Run 8: Report of PCC — Data Link

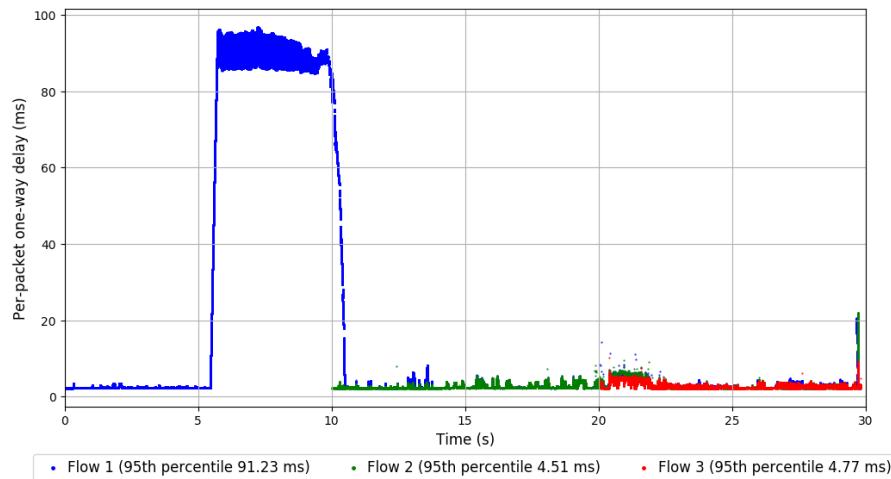
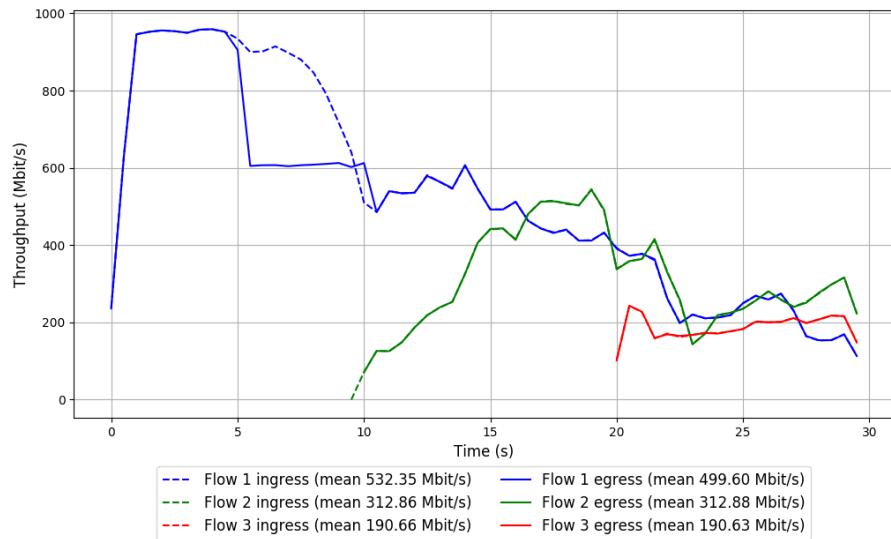


Run 9: Statistics of PCC

```
Start at: 2017-09-18 10:26:50
End at: 2017-09-18 10:27:20
Local clock offset: -1.981 ms
Remote clock offset: 1.433 ms

# Below is generated by plot.py at 2017-09-18 15:06:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 770.23 Mbit/s
95th percentile per-packet one-way delay: 89.735 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 499.60 Mbit/s
95th percentile per-packet one-way delay: 91.231 ms
Loss rate: 6.17%
-- Flow 2:
Average throughput: 312.88 Mbit/s
95th percentile per-packet one-way delay: 4.512 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 190.63 Mbit/s
95th percentile per-packet one-way delay: 4.771 ms
Loss rate: 0.05%
```

Run 9: Report of PCC — Data Link

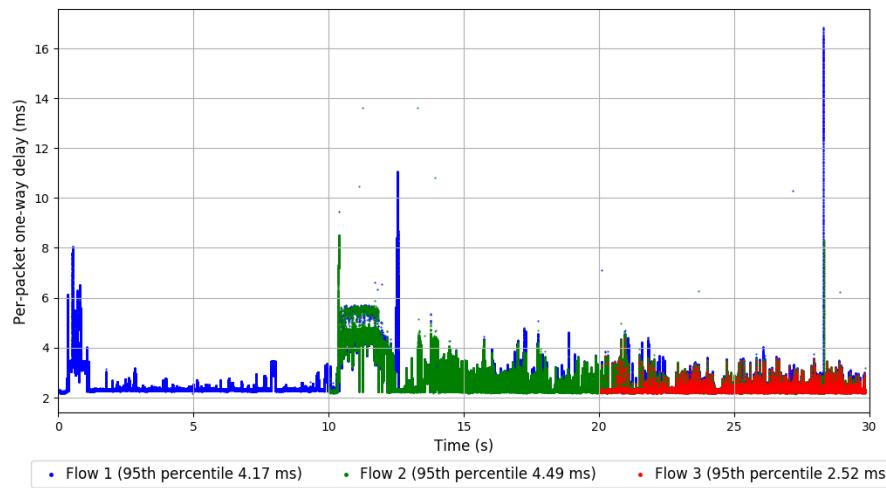
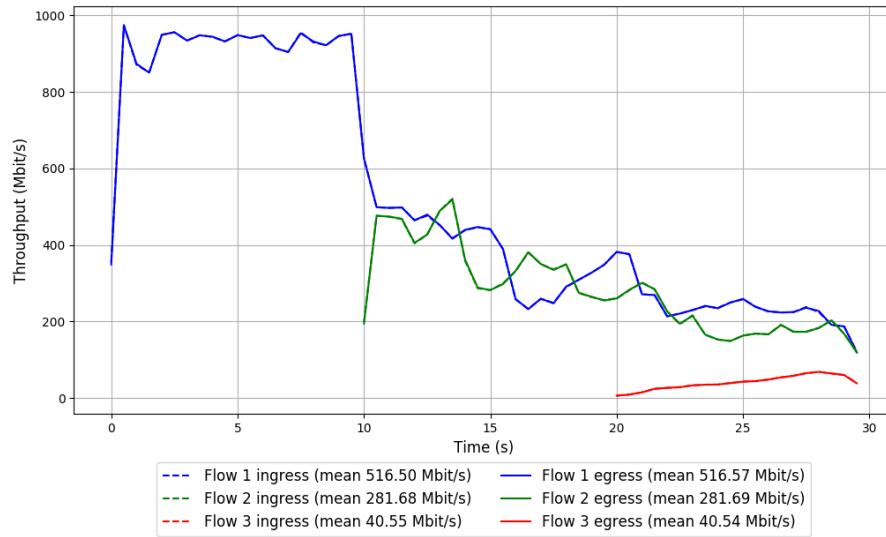


Run 10: Statistics of PCC

```
Start at: 2017-09-18 10:41:07
End at: 2017-09-18 10:41:37
Local clock offset: -2.077 ms
Remote clock offset: 0.934 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 717.07 Mbit/s
95th percentile per-packet one-way delay: 4.308 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 516.57 Mbit/s
95th percentile per-packet one-way delay: 4.169 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 281.69 Mbit/s
95th percentile per-packet one-way delay: 4.485 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 2.516 ms
Loss rate: 0.08%
```

Run 10: Report of PCC — Data Link

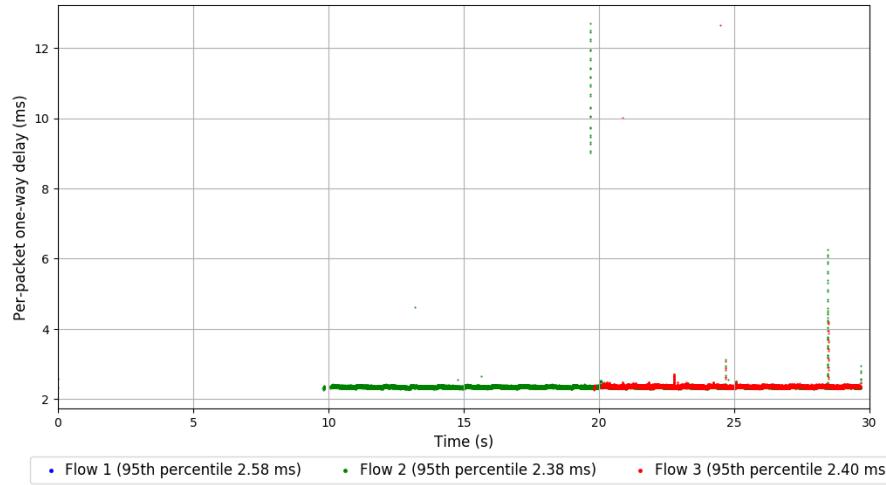
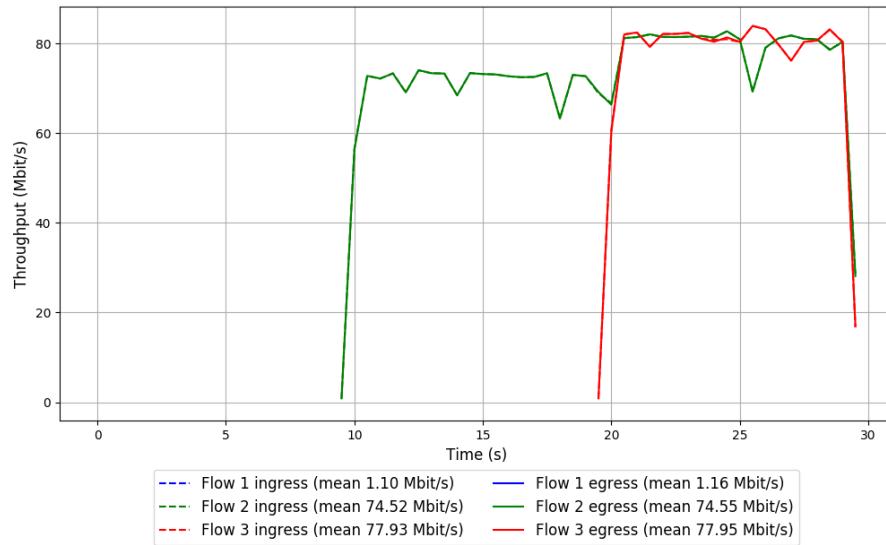


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-18 08:26:41
End at: 2017-09-18 08:27:11
Local clock offset: -1.856 ms
Remote clock offset: 0.207 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.90 Mbit/s
95th percentile per-packet one-way delay: 2.388 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 2.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 77.95 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.01%
```

## Run 1: Report of QUIC Cubic — Data Link

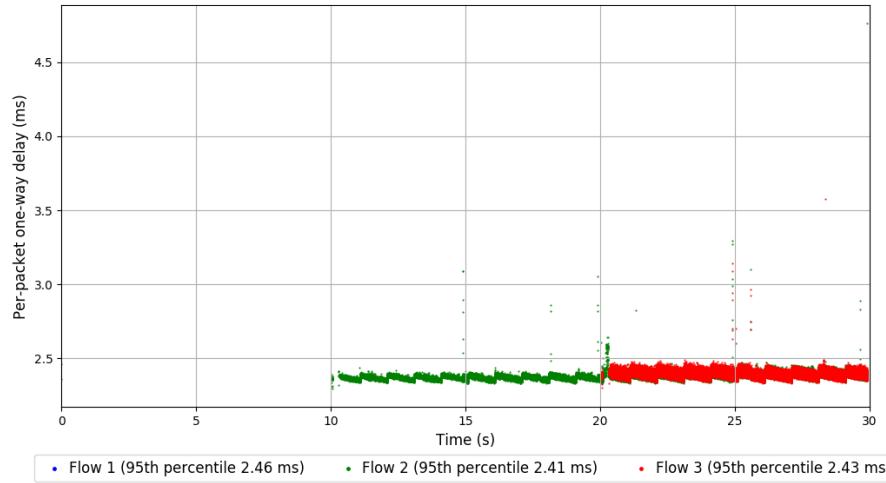
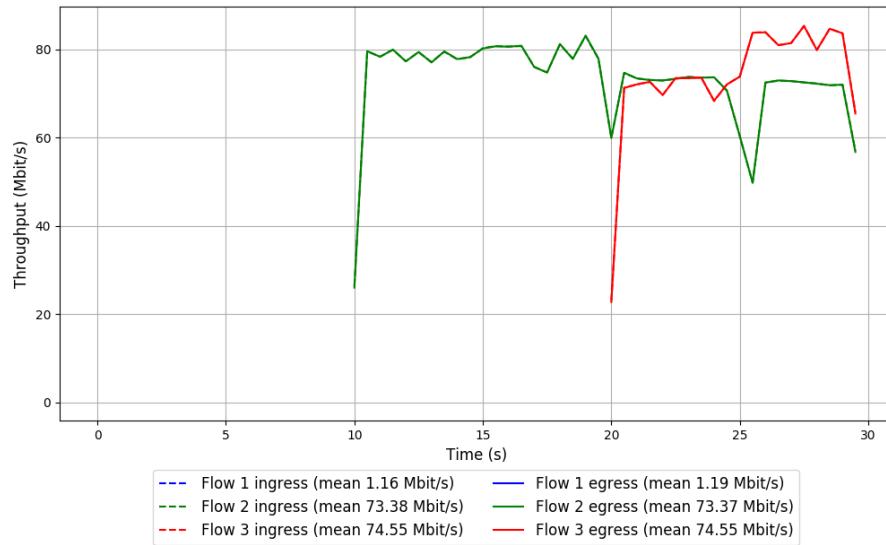


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-09-18 08:40:58
End at: 2017-09-18 08:41:28
Local clock offset: -1.853 ms
Remote clock offset: 0.47 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 2.421 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.05%
```

## Run 2: Report of QUIC Cubic — Data Link

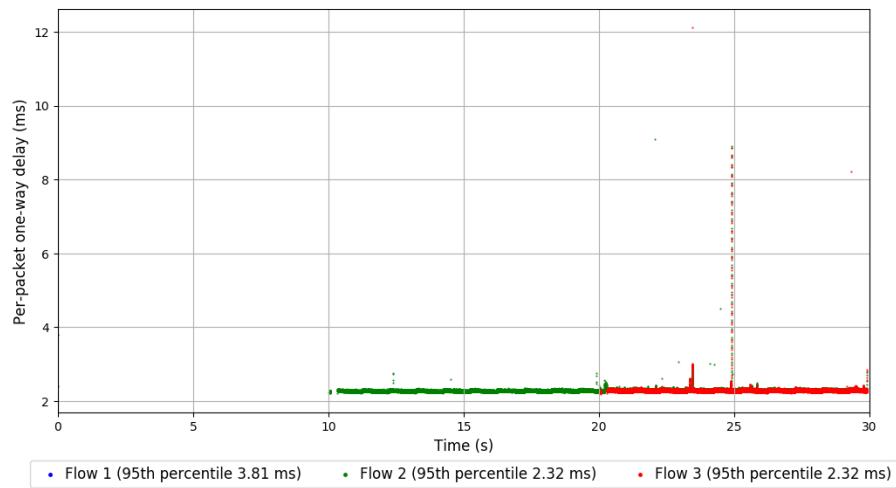
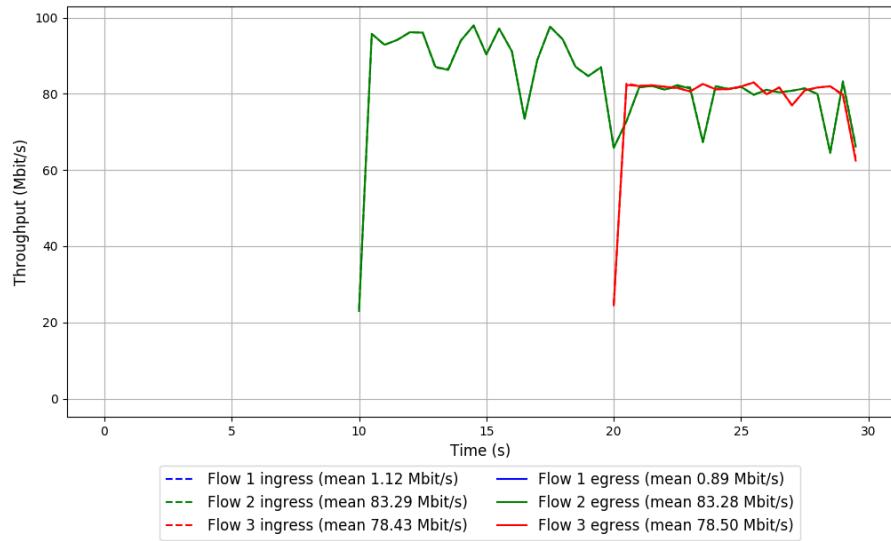


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-09-18 08:55:14
End at: 2017-09-18 08:55:44
Local clock offset: -1.944 ms
Remote clock offset: 0.805 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 3.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.28 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.05%
```

### Run 3: Report of QUIC Cubic — Data Link

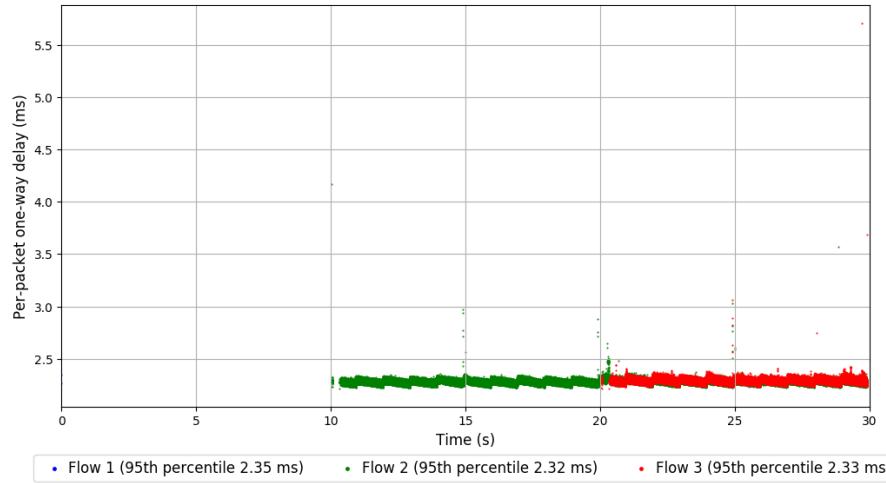
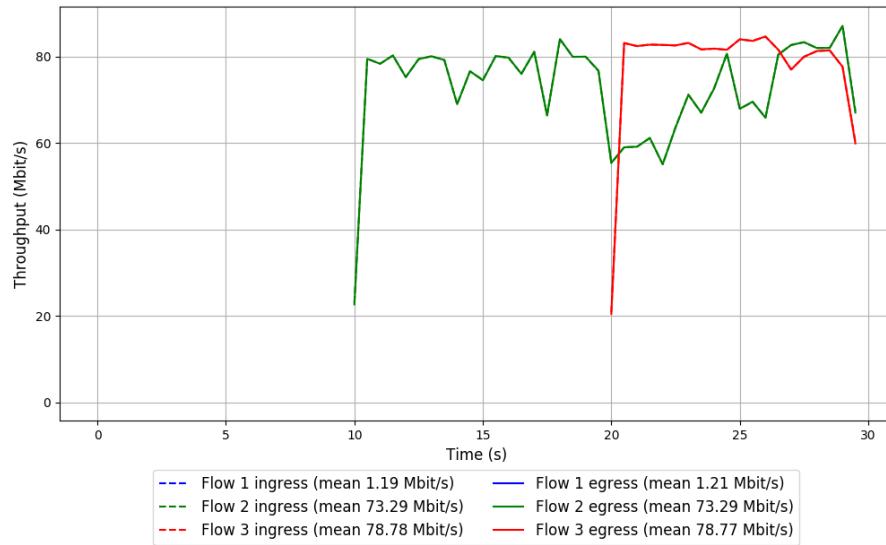


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-09-18 09:09:29
End at: 2017-09-18 09:09:59
Local clock offset: -1.821 ms
Remote clock offset: 1.026 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.29 Mbit/s
95th percentile per-packet one-way delay: 2.316 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 78.77 Mbit/s
95th percentile per-packet one-way delay: 2.328 ms
Loss rate: 0.05%
```

## Run 4: Report of QUIC Cubic — Data Link

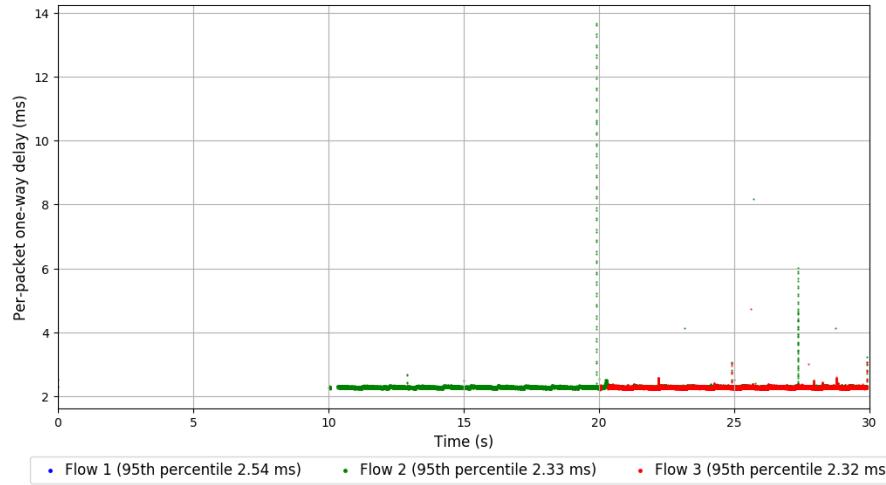
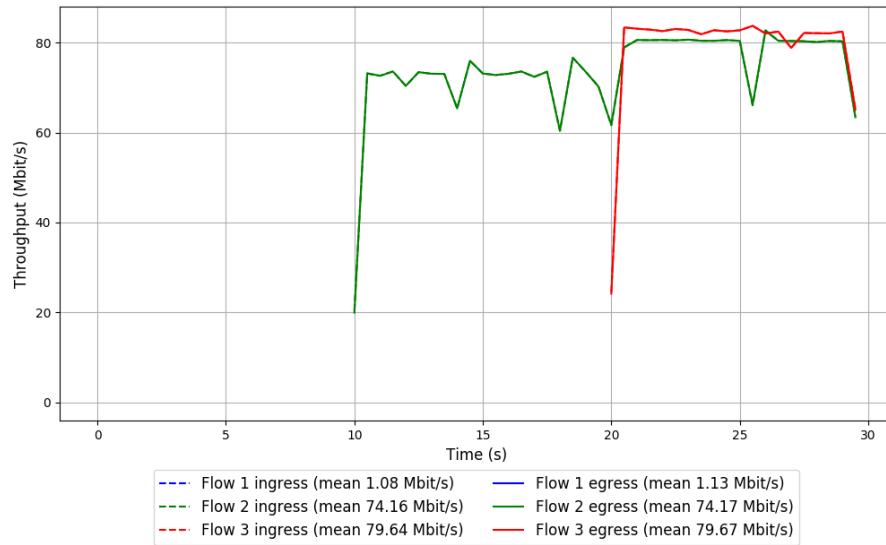


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-09-18 09:23:44
End at: 2017-09-18 09:24:14
Local clock offset: -1.647 ms
Remote clock offset: 1.185 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 2.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 2.326 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 79.67 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.04%
```

Run 5: Report of QUIC Cubic — Data Link

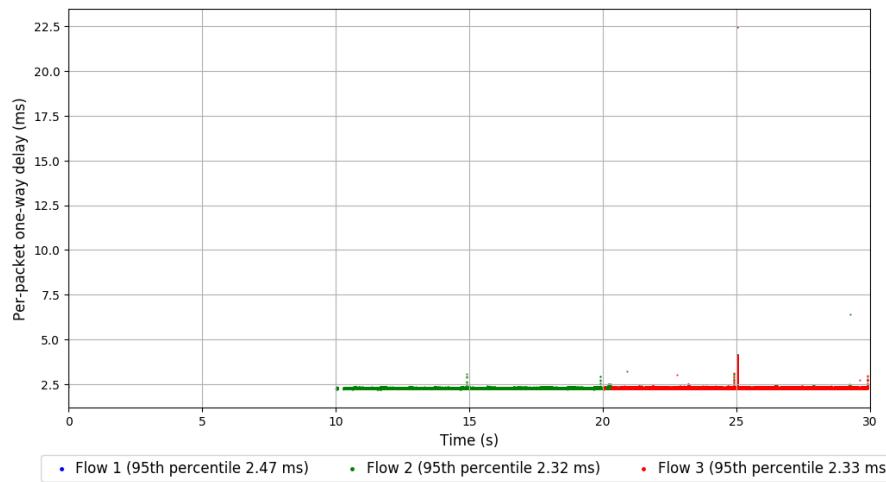
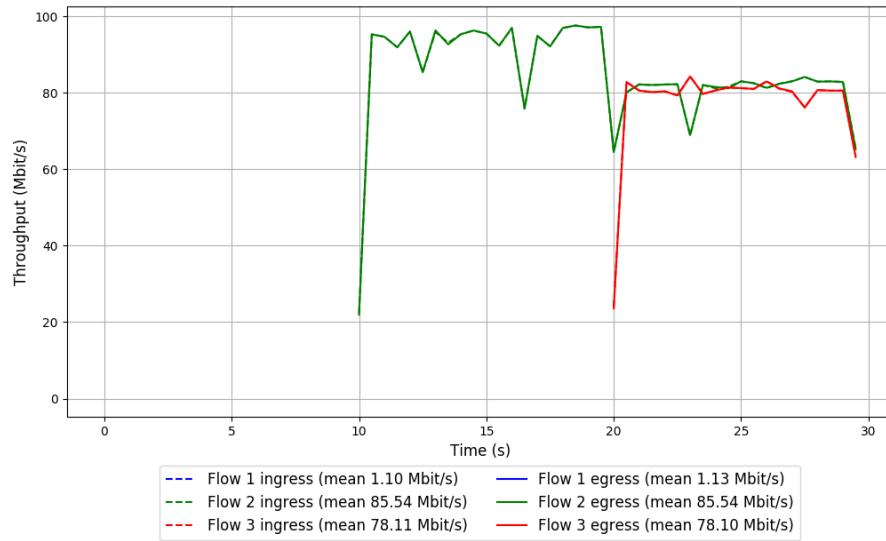


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-09-18 09:38:02
End at: 2017-09-18 09:38:32
Local clock offset: -1.731 ms
Remote clock offset: 1.313 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.54 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 2.330 ms
Loss rate: 0.05%
```

## Run 6: Report of QUIC Cubic — Data Link

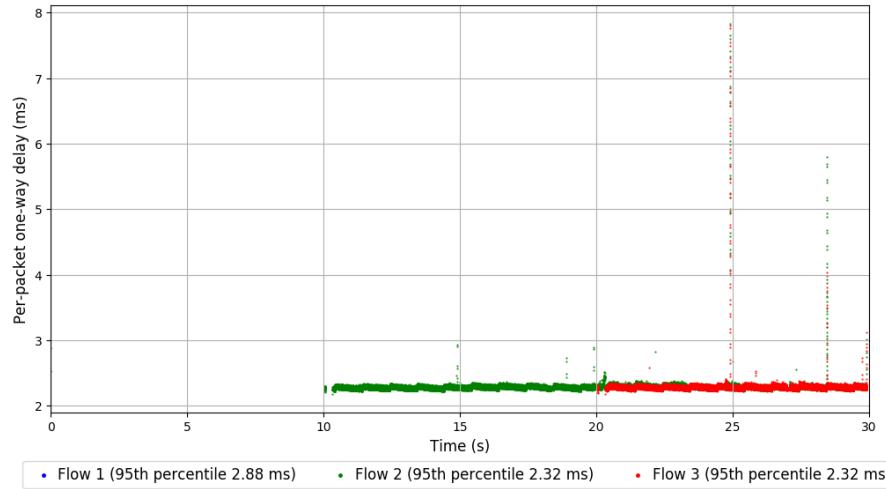
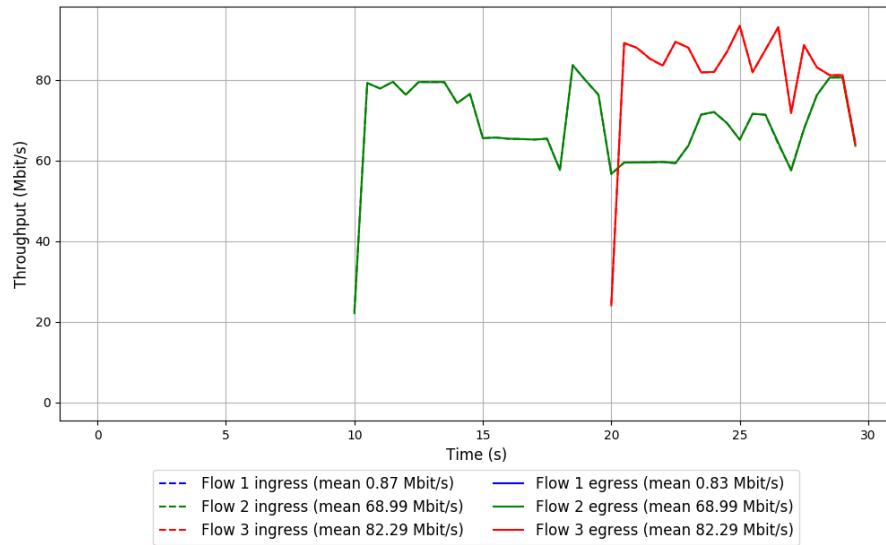


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-09-18 09:52:21
End at: 2017-09-18 09:52:51
Local clock offset: -1.708 ms
Remote clock offset: 1.527 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.05 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 2.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.99 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 2.316 ms
Loss rate: 0.04%
```

Run 7: Report of QUIC Cubic — Data Link

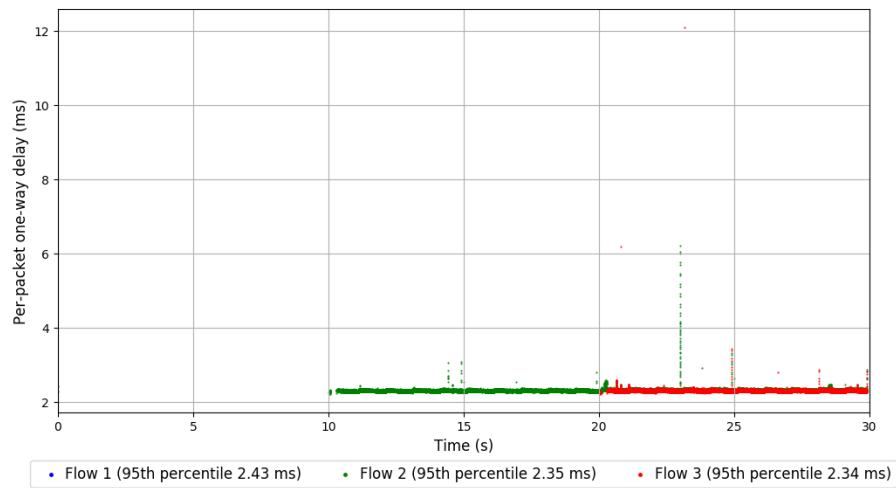
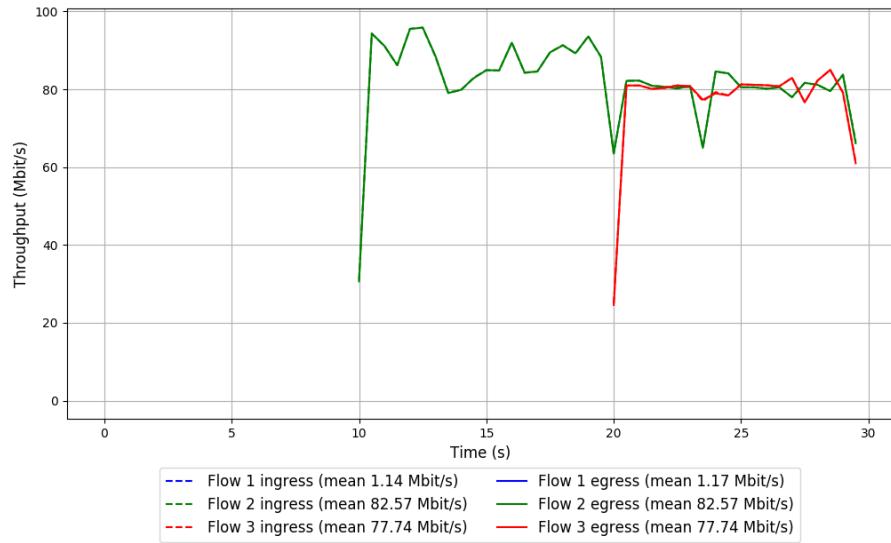


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-09-18 10:06:37
End at: 2017-09-18 10:07:07
Local clock offset: -1.844 ms
Remote clock offset: 1.622 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 2.348 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 2.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 2.343 ms
Loss rate: 0.04%
```

## Run 8: Report of QUIC Cubic — Data Link

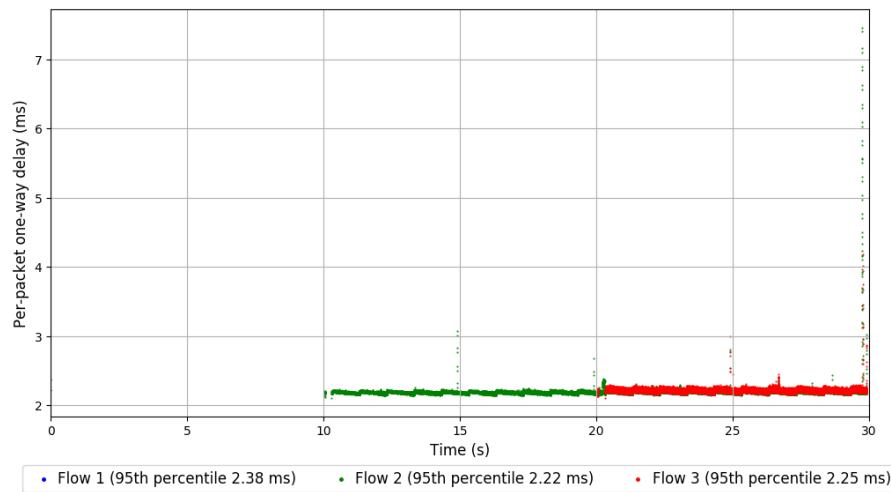
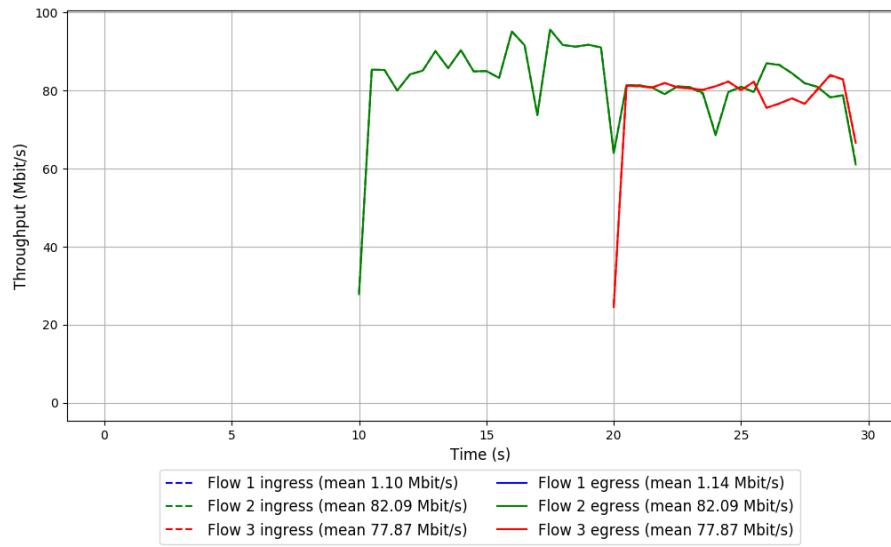


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-09-18 10:20:59
End at: 2017-09-18 10:21:29
Local clock offset: -1.991 ms
Remote clock offset: 1.509 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: 2.235 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 2.221 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 0.05%
```

### Run 9: Report of QUIC Cubic — Data Link

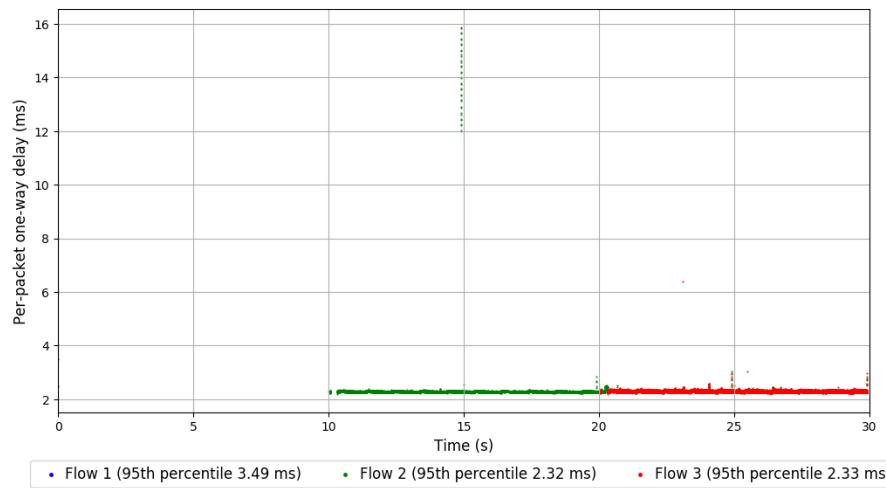
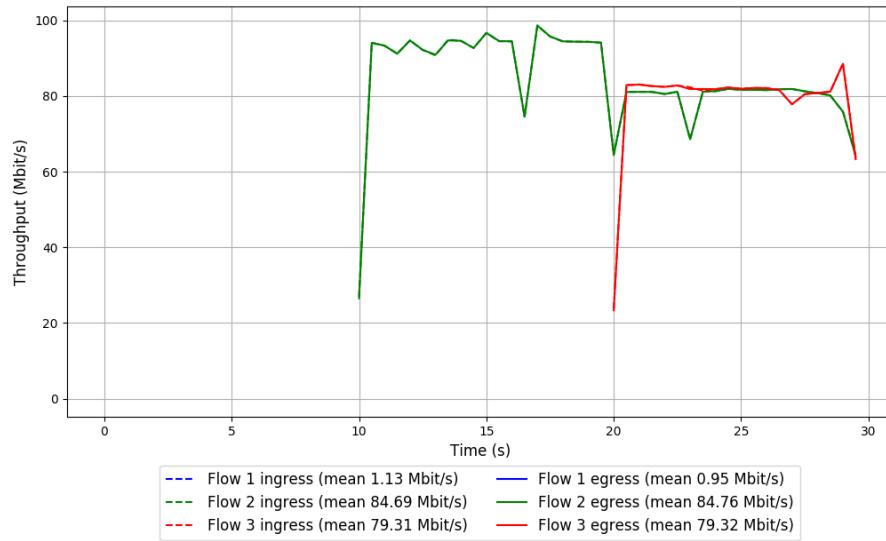


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-09-18 10:35:19
End at: 2017-09-18 10:35:49
Local clock offset: -2.027 ms
Remote clock offset: 1.147 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.56 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 3.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.05%
```

## Run 10: Report of QUIC Cubic — Data Link

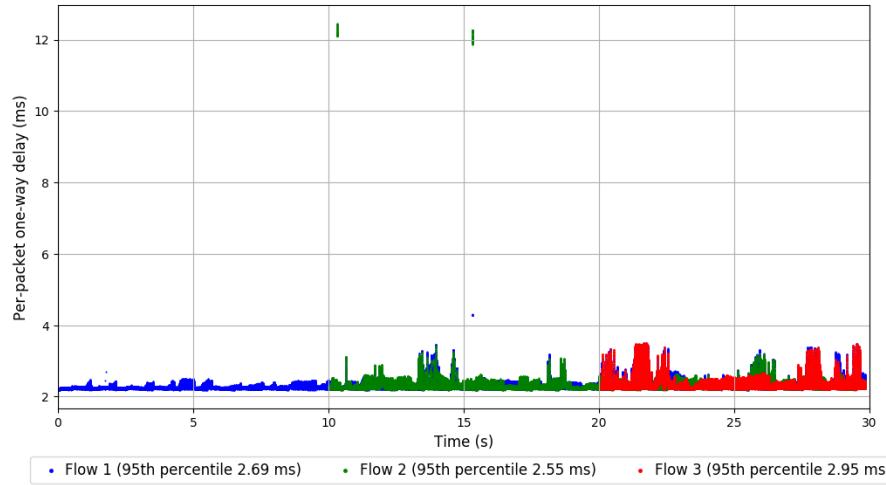
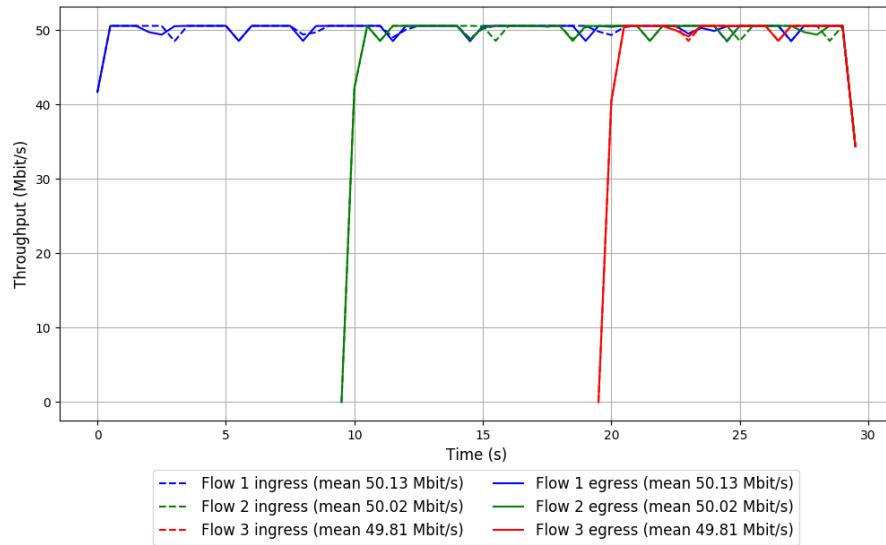


Run 1: Statistics of Sprout

```
Start at: 2017-09-18 08:36:54
End at: 2017-09-18 08:37:24
Local clock offset: -1.922 ms
Remote clock offset: 0.481 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.83 Mbit/s
95th percentile per-packet one-way delay: 2.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 2.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 2.949 ms
Loss rate: 0.00%
```

## Run 1: Report of Sprout — Data Link

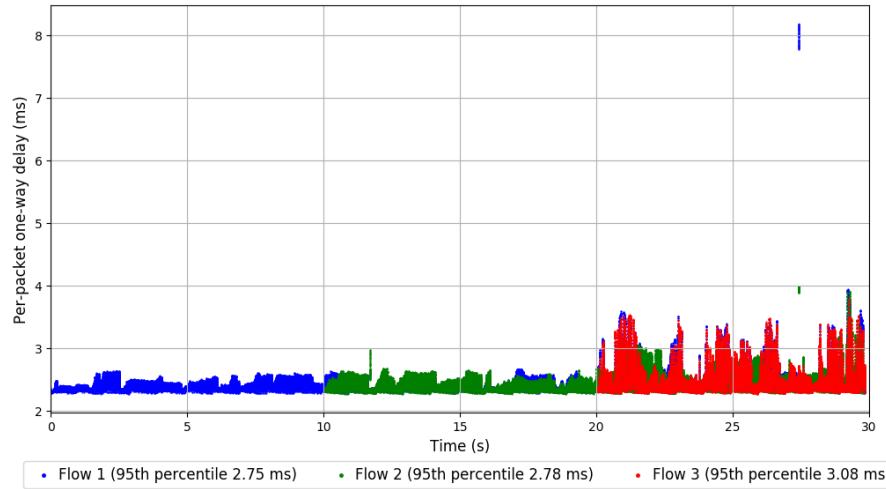
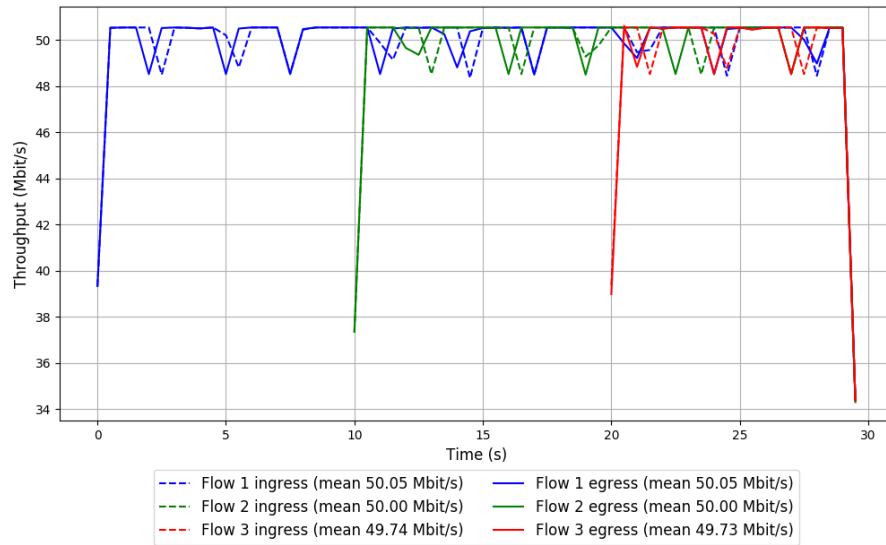


Run 2: Statistics of Sprout

```
Start at: 2017-09-18 08:51:10
End at: 2017-09-18 08:51:40
Local clock offset: -1.91 ms
Remote clock offset: 0.723 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.65 Mbit/s
95th percentile per-packet one-way delay: 2.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 2.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 3.085 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

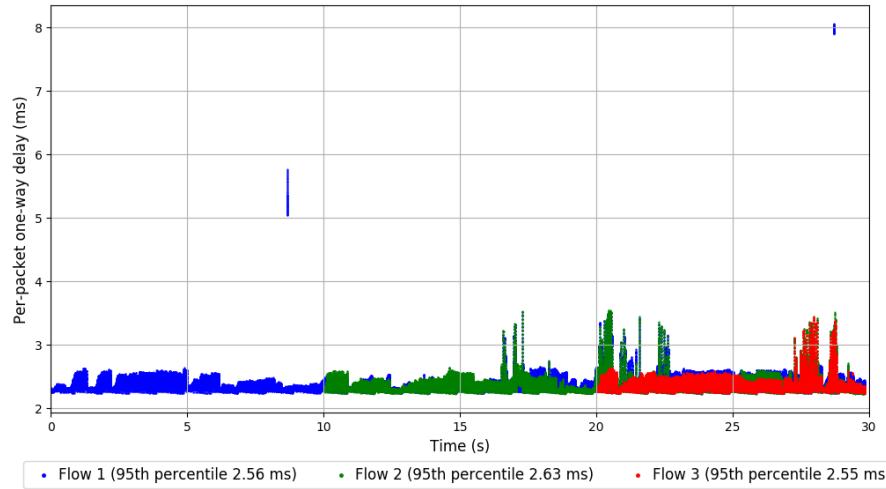
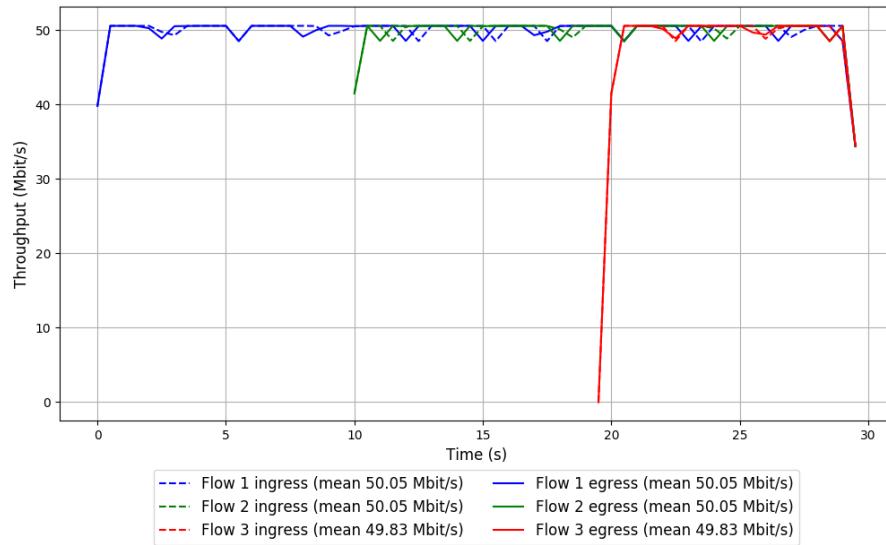


Run 3: Statistics of Sprout

```
Start at: 2017-09-18 09:05:25
End at: 2017-09-18 09:05:55
Local clock offset: -1.909 ms
Remote clock offset: 0.973 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.72 Mbit/s
95th percentile per-packet one-way delay: 2.571 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 2.563 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.00%
```

### Run 3: Report of Sprout — Data Link

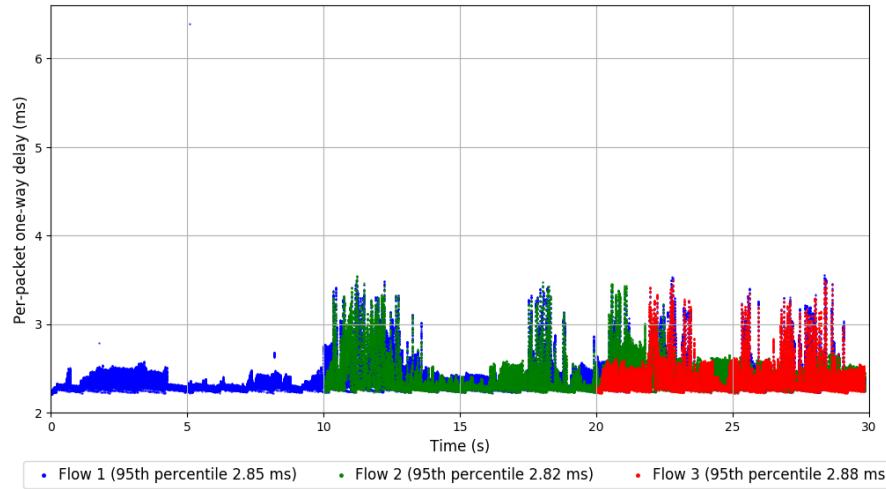
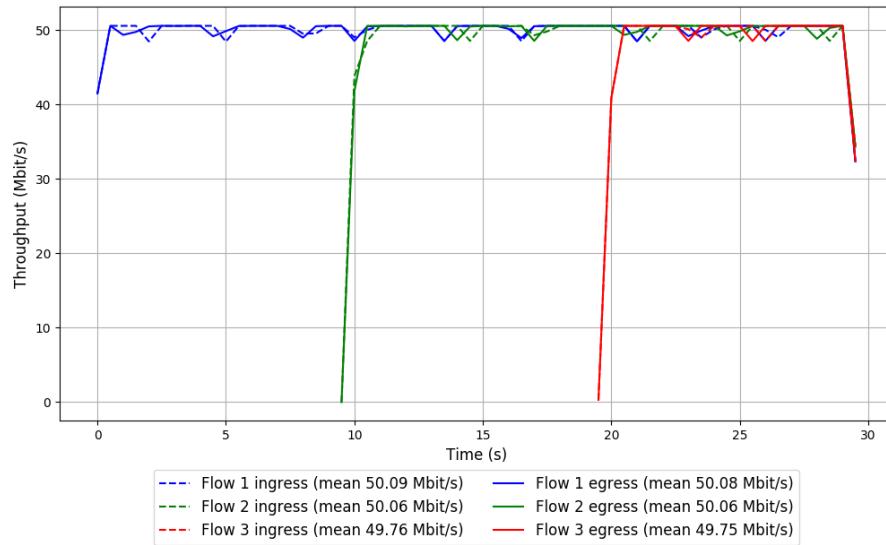


Run 4: Statistics of Sprout

```
Start at: 2017-09-18 09:19:40
End at: 2017-09-18 09:20:10
Local clock offset: -1.702 ms
Remote clock offset: 1.088 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.79 Mbit/s
95th percentile per-packet one-way delay: 2.847 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 2.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 2.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: 2.875 ms
Loss rate: 0.21%
```

## Run 4: Report of Sprout — Data Link

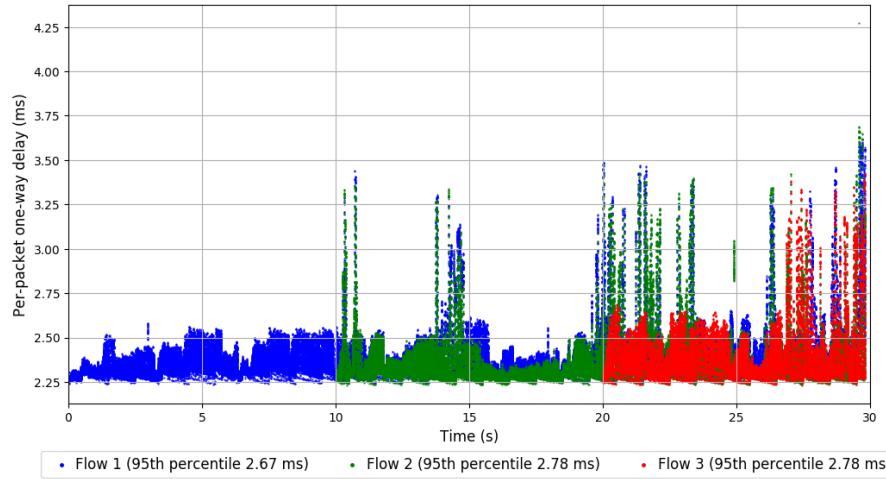
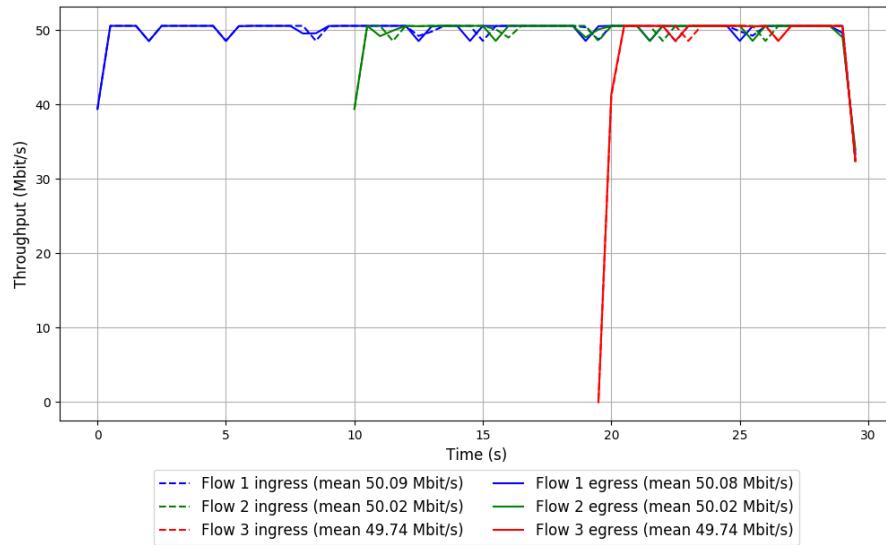


Run 5: Statistics of Sprout

```
Start at: 2017-09-18 09:34:00
End at: 2017-09-18 09:34:30
Local clock offset: -1.684 ms
Remote clock offset: 1.323 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.74 Mbit/s
95th percentile per-packet one-way delay: 2.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 2.671 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 2.784 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 2.778 ms
Loss rate: 0.00%
```

## Run 5: Report of Sprout — Data Link

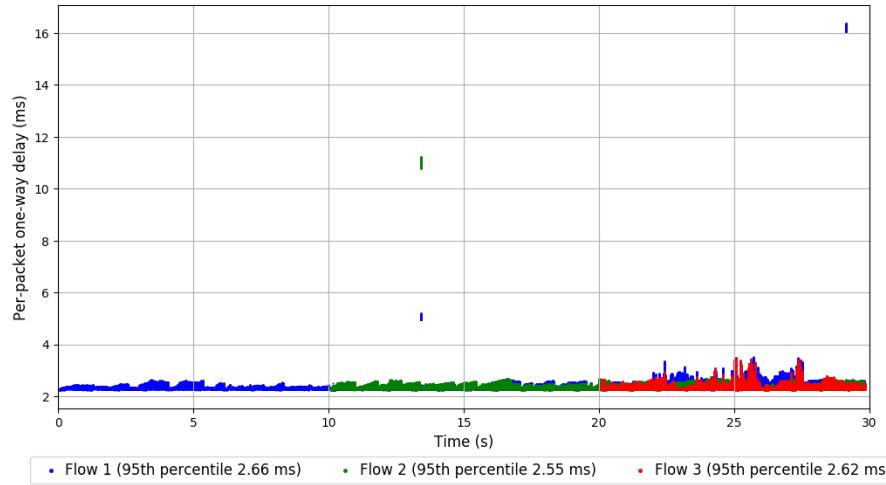
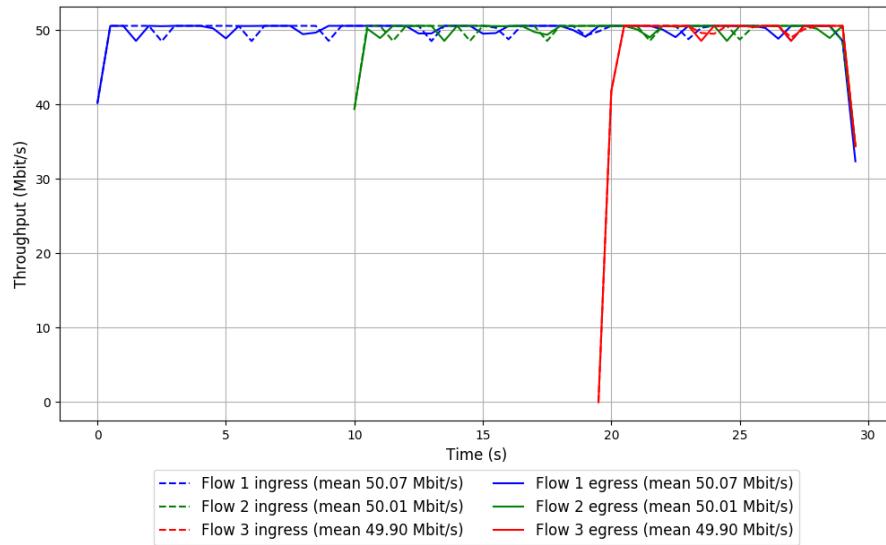


Run 6: Statistics of Sprout

```
Start at: 2017-09-18 09:48:18
End at: 2017-09-18 09:48:48
Local clock offset: -1.71 ms
Remote clock offset: 1.5 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.73 Mbit/s
95th percentile per-packet one-way delay: 2.598 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 2.656 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 2.552 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 2.622 ms
Loss rate: 0.00%
```

## Run 6: Report of Sprout — Data Link

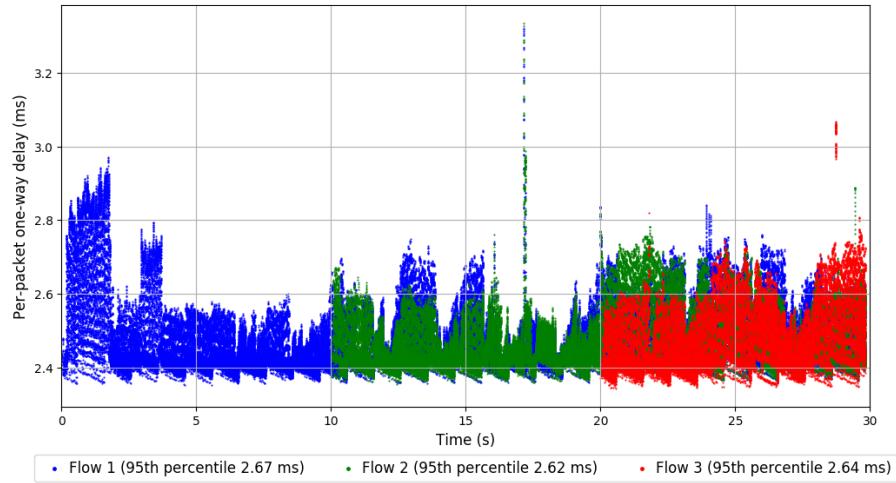
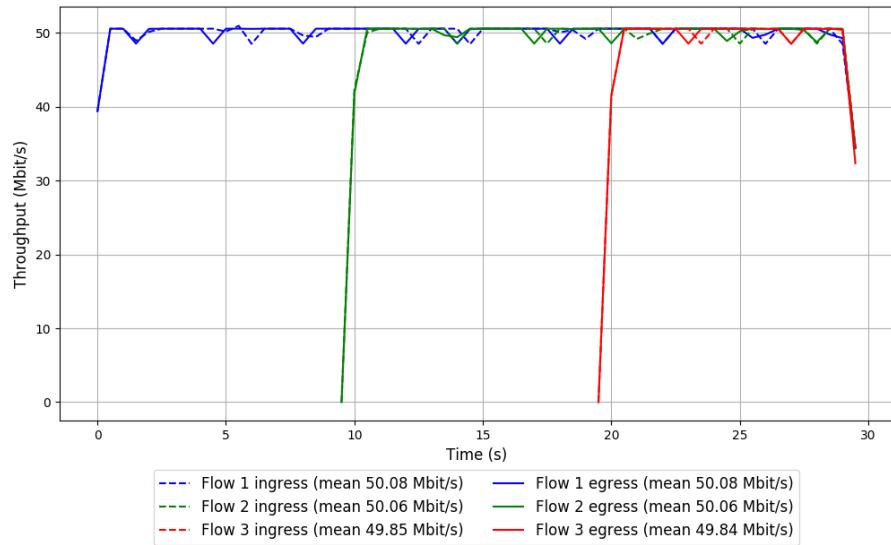


Run 7: Statistics of Sprout

```
Start at: 2017-09-18 10:02:34
End at: 2017-09-18 10:03:04
Local clock offset: -1.76 ms
Remote clock offset: 1.567 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.78 Mbit/s
95th percentile per-packet one-way delay: 2.647 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 2.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 2.624 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 2.641 ms
Loss rate: 0.21%
```

Run 7: Report of Sprout — Data Link

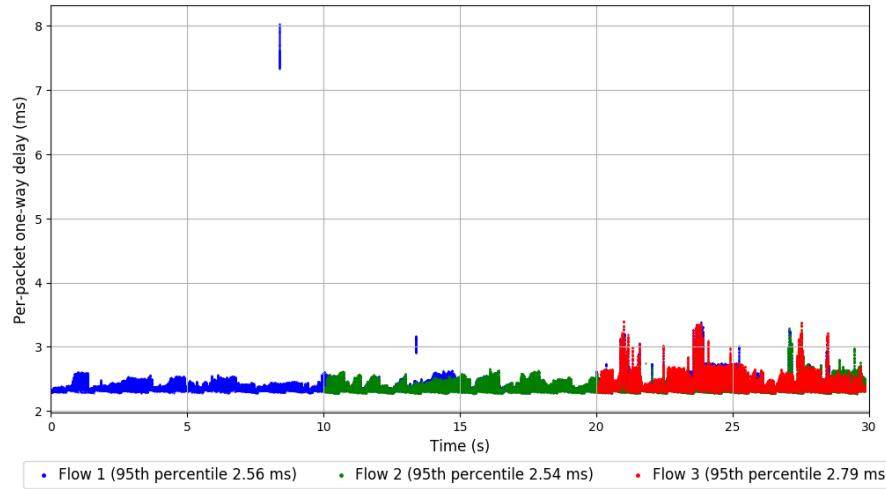
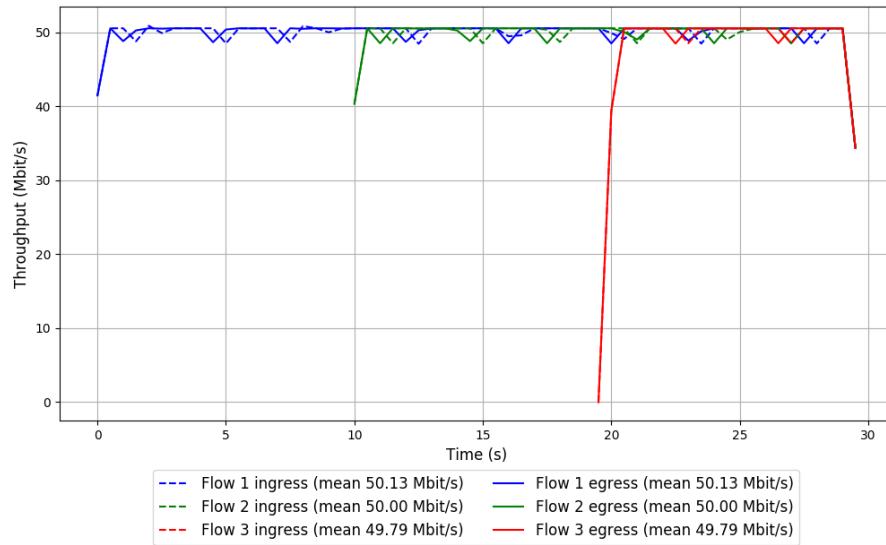


Run 8: Statistics of Sprout

```
Start at: 2017-09-18 10:16:57
End at: 2017-09-18 10:17:27
Local clock offset: -1.924 ms
Remote clock offset: 1.516 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.77 Mbit/s
95th percentile per-packet one-way delay: 2.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 2.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 2.535 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 2.787 ms
Loss rate: 0.00%
```

## Run 8: Report of Sprout — Data Link

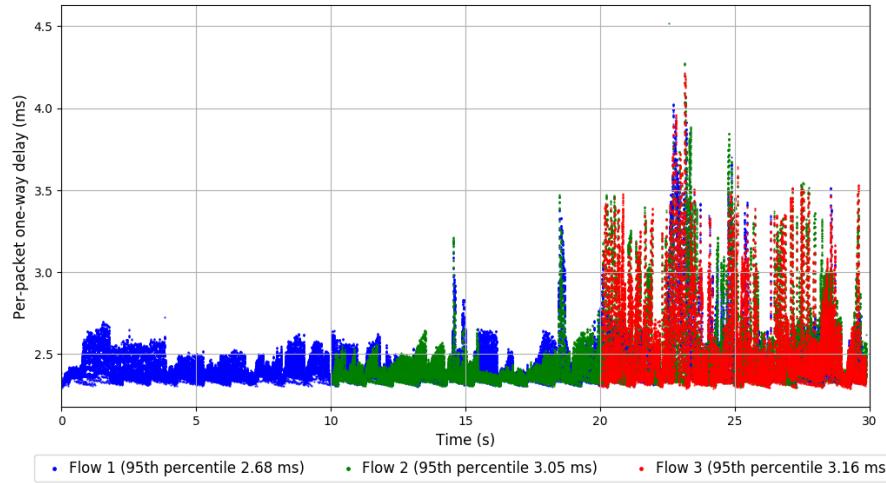
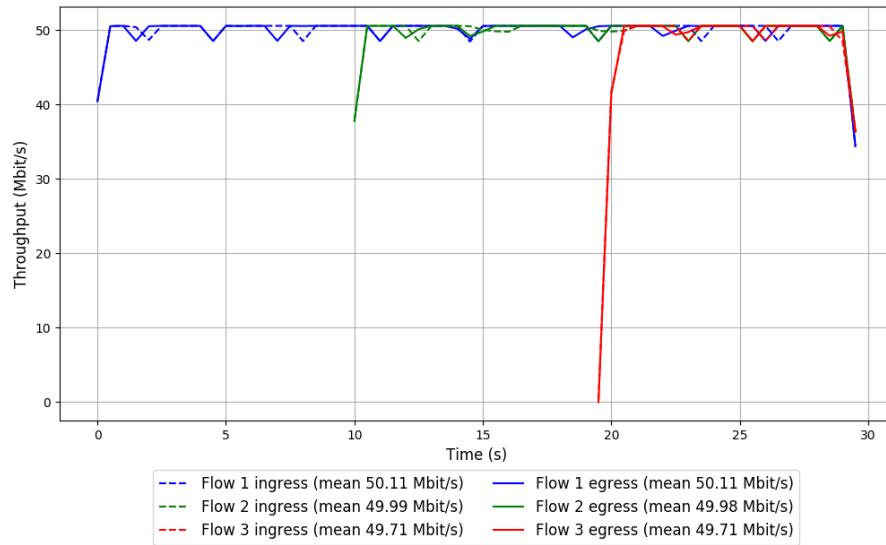


Run 9: Statistics of Sprout

```
Start at: 2017-09-18 10:31:17
End at: 2017-09-18 10:31:47
Local clock offset: -2.001 ms
Remote clock offset: 1.3 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.73 Mbit/s
95th percentile per-packet one-way delay: 2.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 2.679 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 3.049 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 3.156 ms
Loss rate: 0.00%
```

## Run 9: Report of Sprout — Data Link

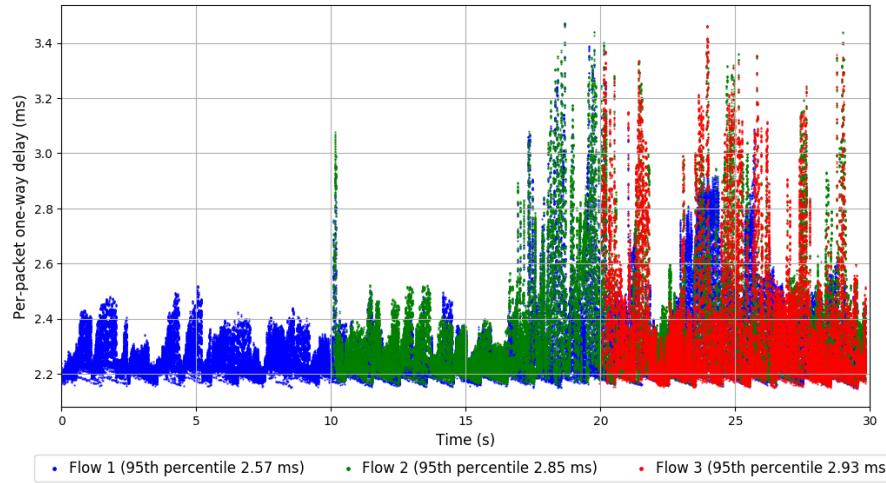
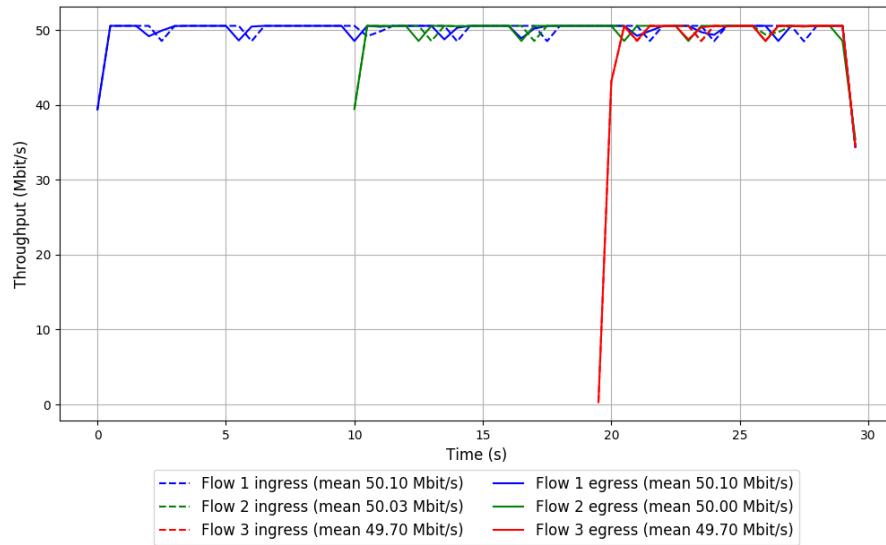


Run 10: Statistics of Sprout

```
Start at: 2017-09-18 10:45:33
End at: 2017-09-18 10:46:03
Local clock offset: -2.178 ms
Remote clock offset: 0.826 ms

# Below is generated by plot.py at 2017-09-18 15:07:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.76 Mbit/s
95th percentile per-packet one-way delay: 2.754 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 2.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 2.845 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 2.931 ms
Loss rate: 0.00%
```

## Run 10: Report of Sprout — Data Link

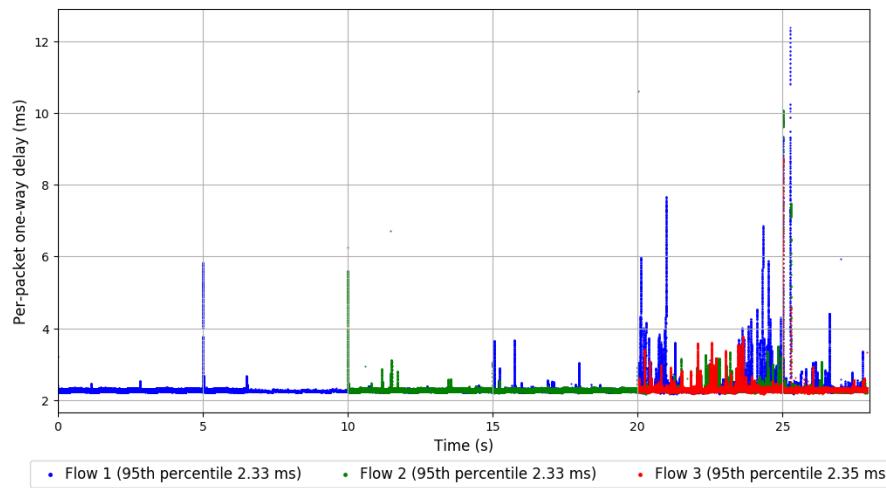
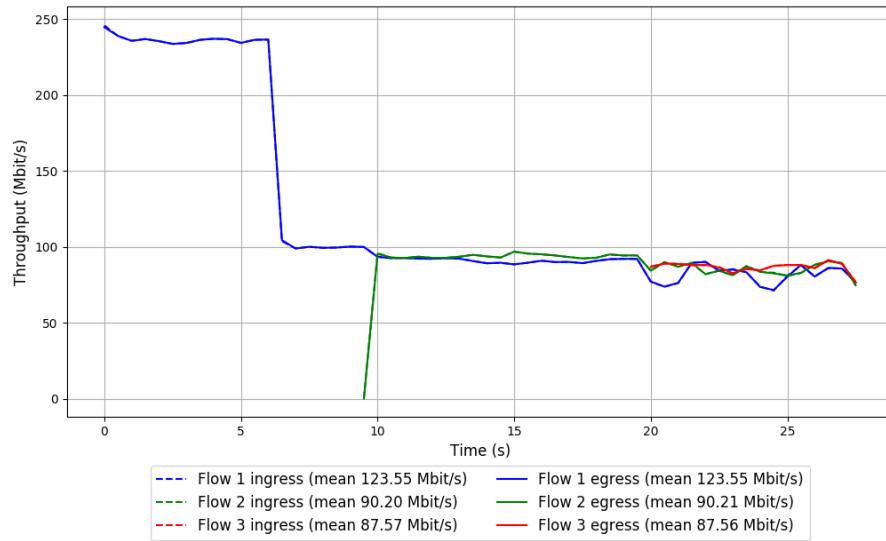


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-09-18 08:23:47
End at: 2017-09-18 08:24:17
Local clock offset: -1.857 ms
Remote clock offset: 0.249 ms

# Below is generated by plot.py at 2017-09-18 15:07:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 206.29 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 123.55 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 2.355 ms
Loss rate: 0.06%
```

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

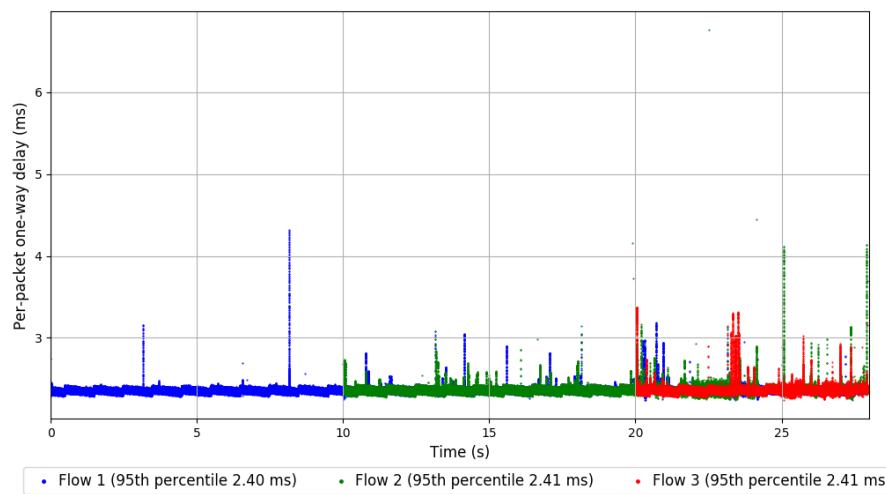
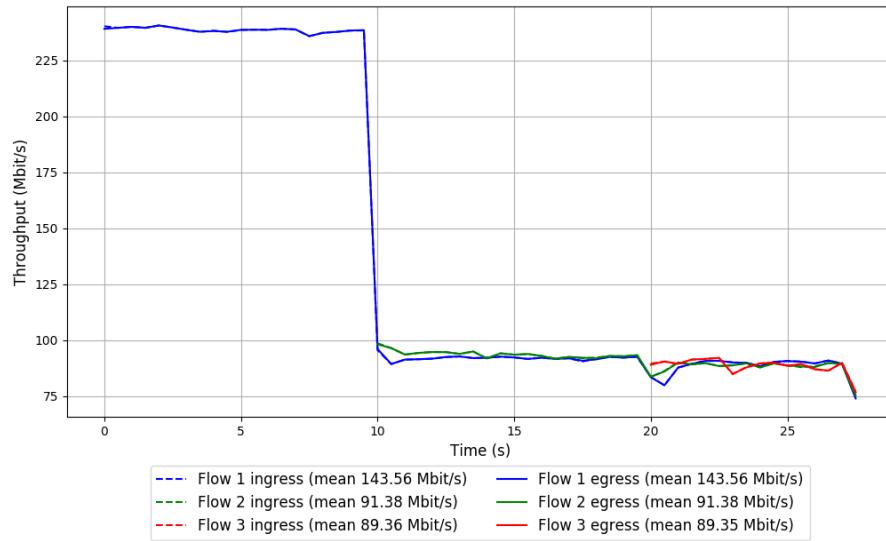


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-09-18 08:38:02
End at: 2017-09-18 08:38:32
Local clock offset: -1.87 ms
Remote clock offset: 0.428 ms

# Below is generated by plot.py at 2017-09-18 15:08:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 227.51 Mbit/s
95th percentile per-packet one-way delay: 2.404 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.56 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.06%
```

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

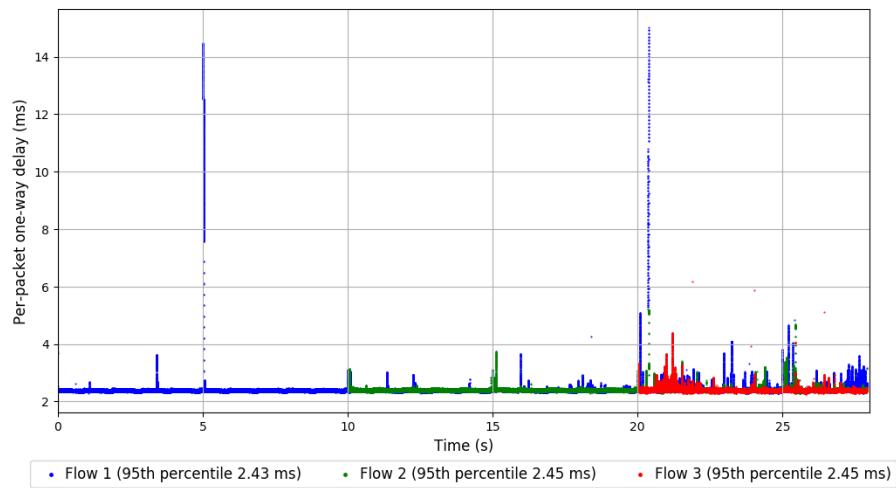
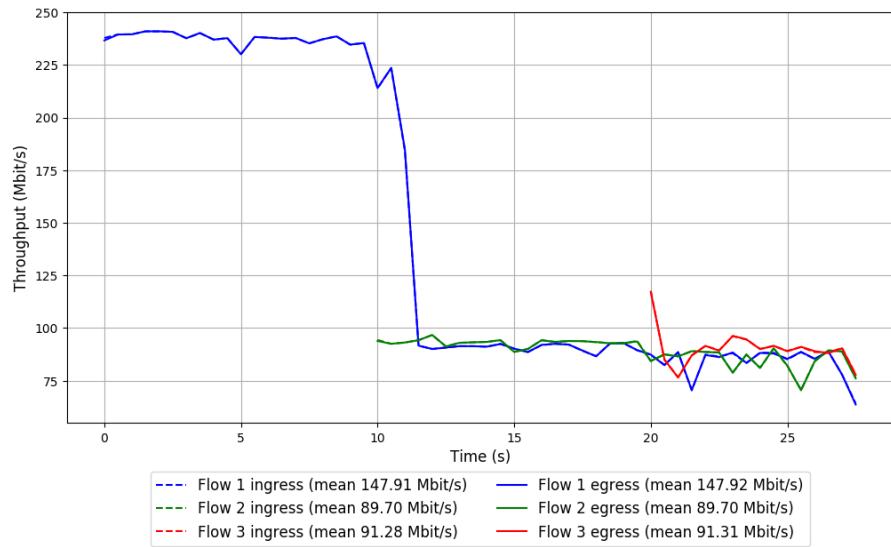


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-09-18 08:52:17
End at: 2017-09-18 08:52:47
Local clock offset: -1.904 ms
Remote clock offset: 0.687 ms

# Below is generated by plot.py at 2017-09-18 15:09:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 231.34 Mbit/s
95th percentile per-packet one-way delay: 2.439 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 147.92 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 2.446 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 2.447 ms
Loss rate: 0.04%
```

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

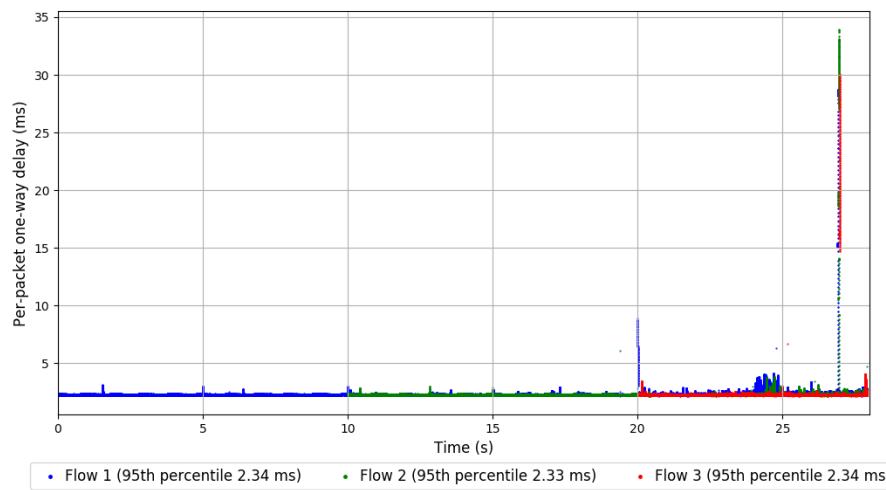
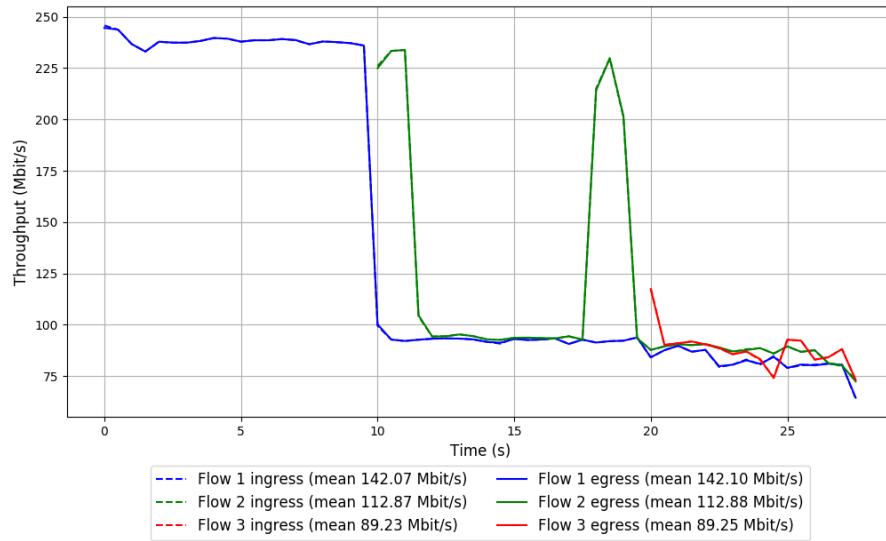


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-09-18 09:06:32
End at: 2017-09-18 09:07:02
Local clock offset: -1.873 ms
Remote clock offset: 0.992 ms

# Below is generated by plot.py at 2017-09-18 15:09:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 239.82 Mbit/s
95th percentile per-packet one-way delay: 2.340 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 142.10 Mbit/s
95th percentile per-packet one-way delay: 2.344 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.88 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.03%
```

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

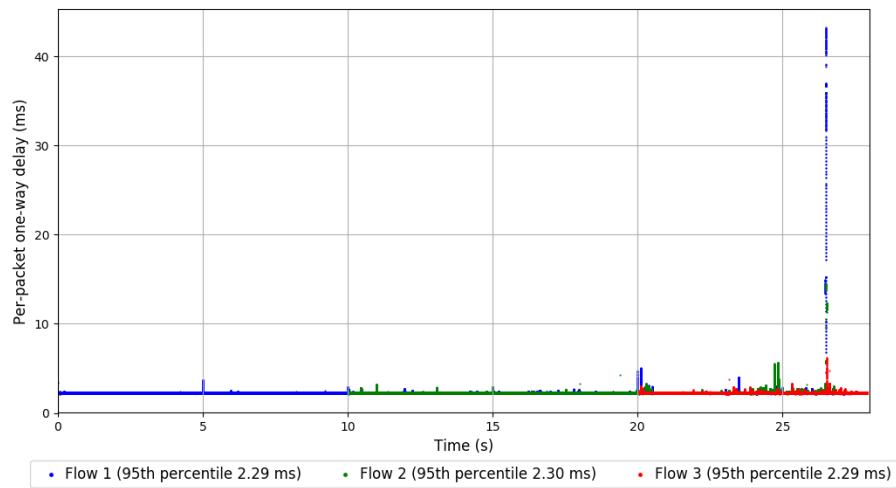
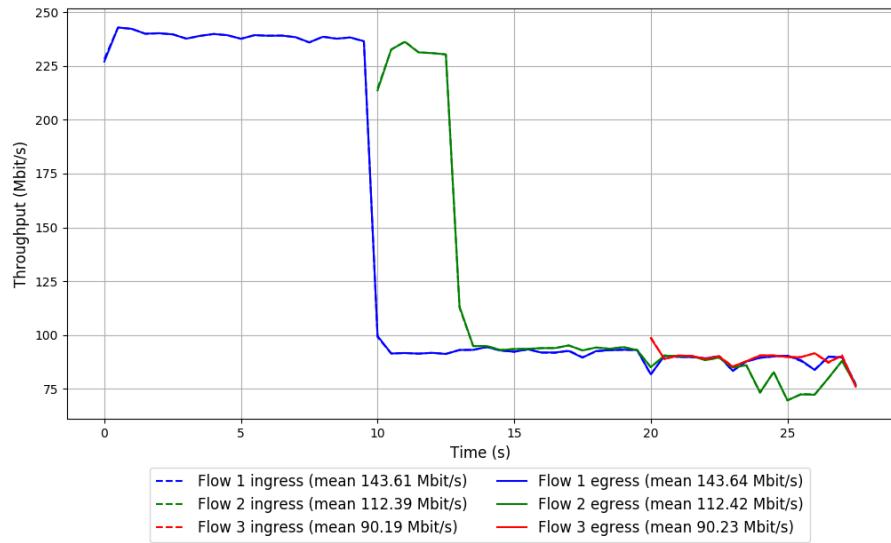


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-09-18 09:20:47
End at: 2017-09-18 09:21:17
Local clock offset: -1.696 ms
Remote clock offset: 1.141 ms

# Below is generated by plot.py at 2017-09-18 15:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 241.31 Mbit/s
95th percentile per-packet one-way delay: 2.293 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.64 Mbit/s
95th percentile per-packet one-way delay: 2.290 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 112.42 Mbit/s
95th percentile per-packet one-way delay: 2.300 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.05%
```

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

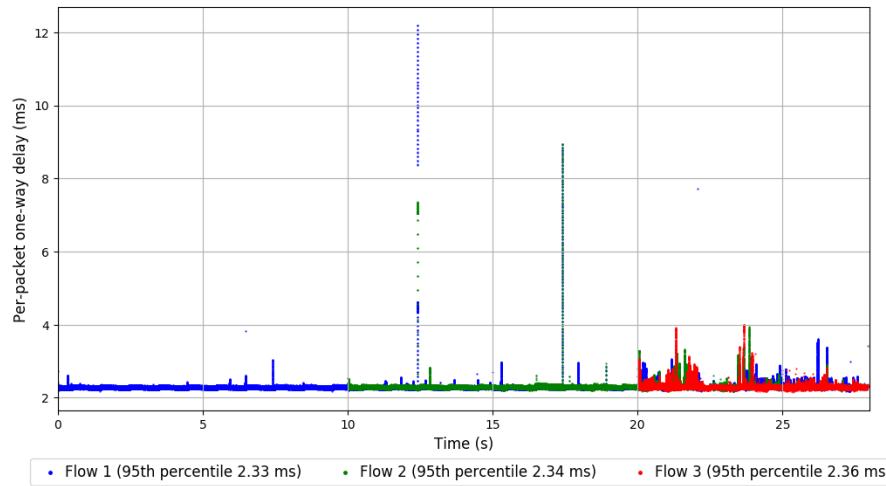
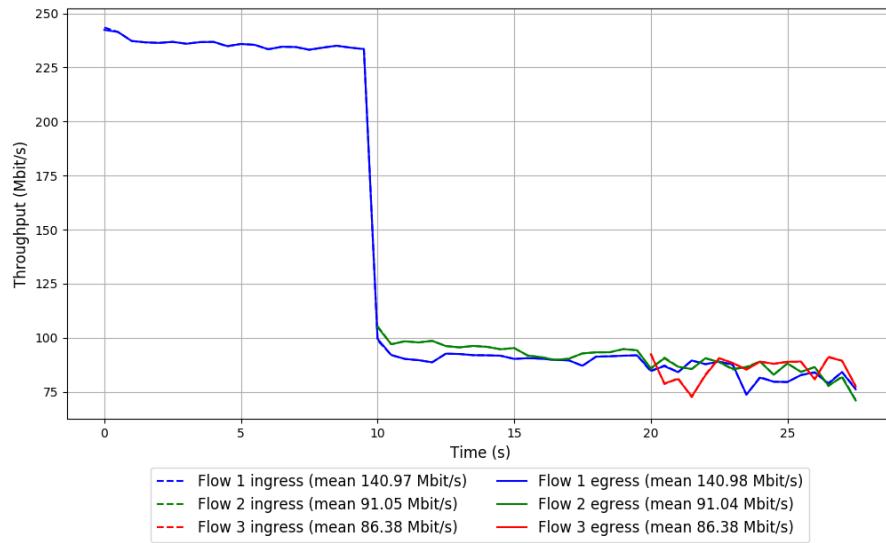


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-09-18 09:35:07
End at: 2017-09-18 09:35:37
Local clock offset: -1.669 ms
Remote clock offset: 1.341 ms

# Below is generated by plot.py at 2017-09-18 15:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 223.85 Mbit/s
95th percentile per-packet one-way delay: 2.335 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 140.98 Mbit/s
95th percentile per-packet one-way delay: 2.328 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 2.356 ms
Loss rate: 0.06%
```

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

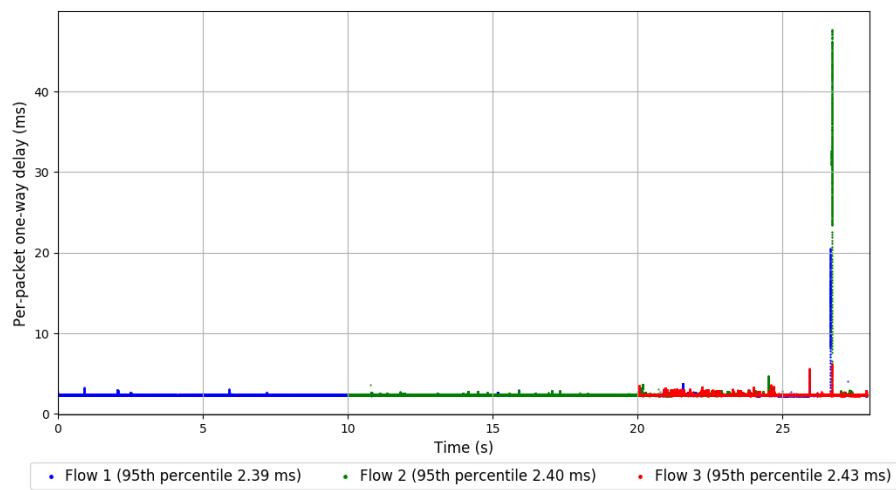
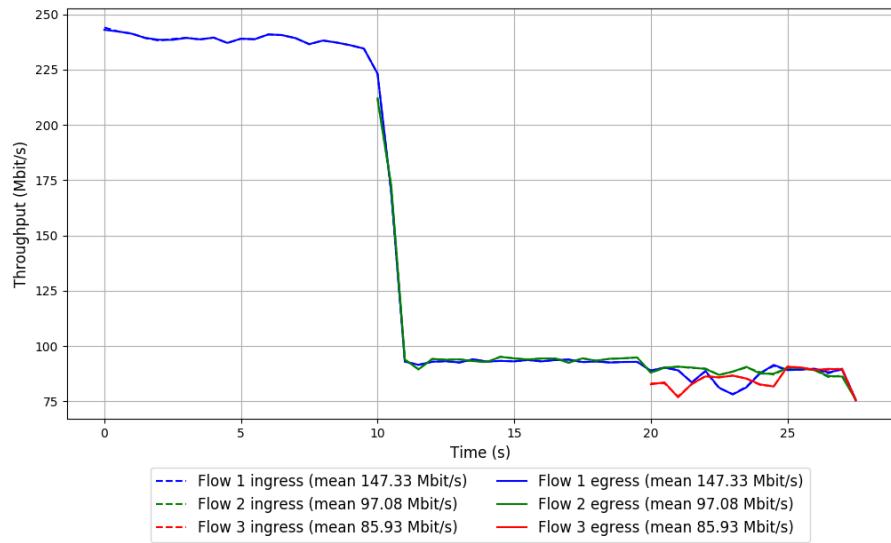


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-09-18 09:49:25
End at: 2017-09-18 09:49:55
Local clock offset: -1.703 ms
Remote clock offset: 1.446 ms

# Below is generated by plot.py at 2017-09-18 15:12:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.97 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 147.33 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.06%
```

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

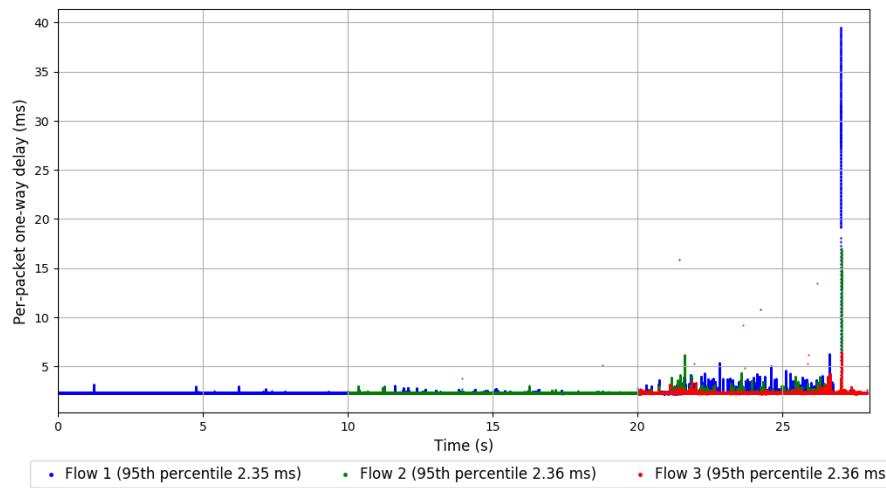
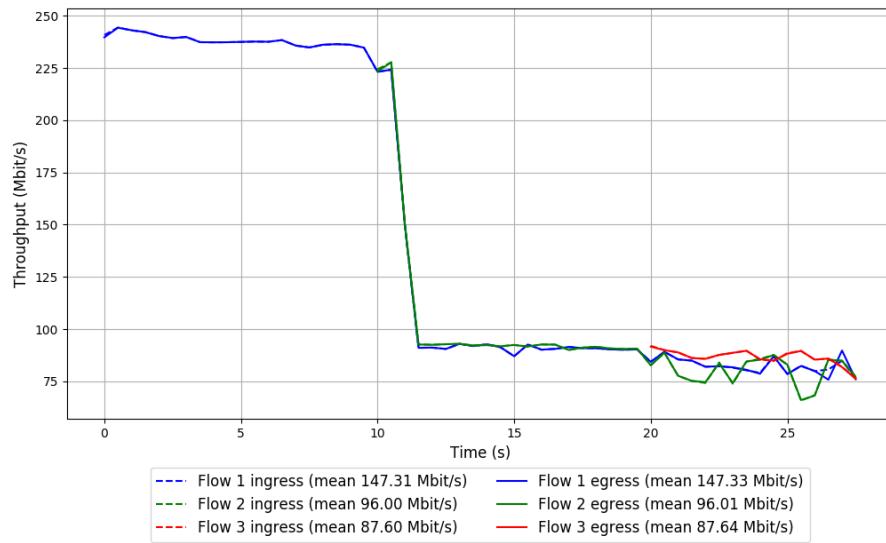


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-09-18 10:03:41
End at: 2017-09-18 10:04:11
Local clock offset: -1.805 ms
Remote clock offset: 1.643 ms

# Below is generated by plot.py at 2017-09-18 15:12:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.76 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 147.33 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 2.357 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 2.357 ms
Loss rate: 0.06%
```

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

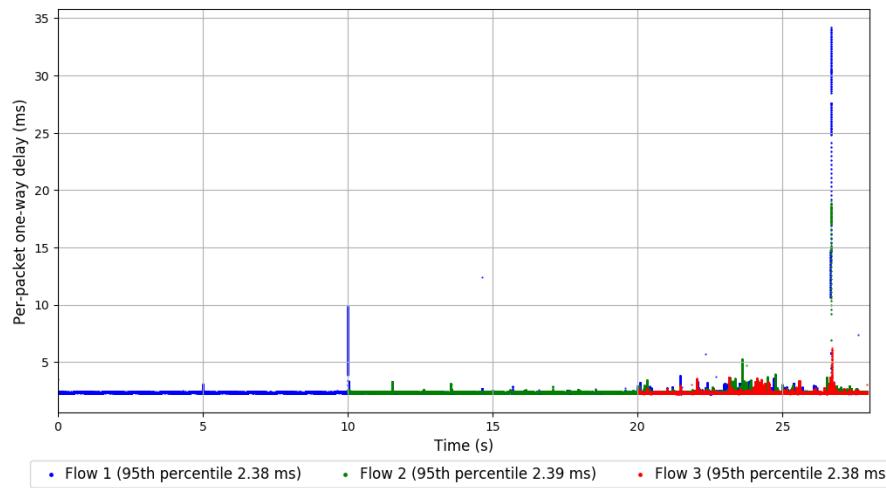
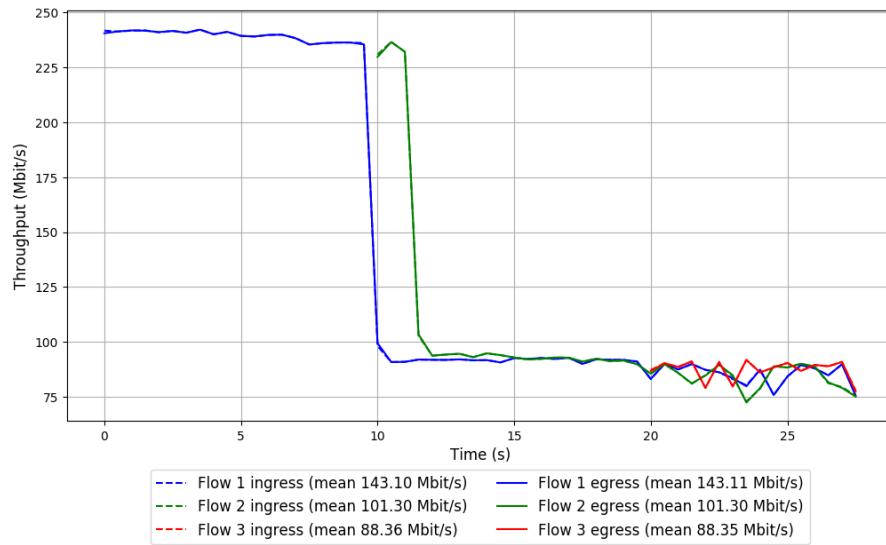


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-09-18 10:18:04
End at: 2017-09-18 10:18:34
Local clock offset: -1.953 ms
Remote clock offset: 1.461 ms

# Below is generated by plot.py at 2017-09-18 15:13:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.13 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.11 Mbit/s
95th percentile per-packet one-way delay: 2.383 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 101.30 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 2.384 ms
Loss rate: 0.06%
```

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

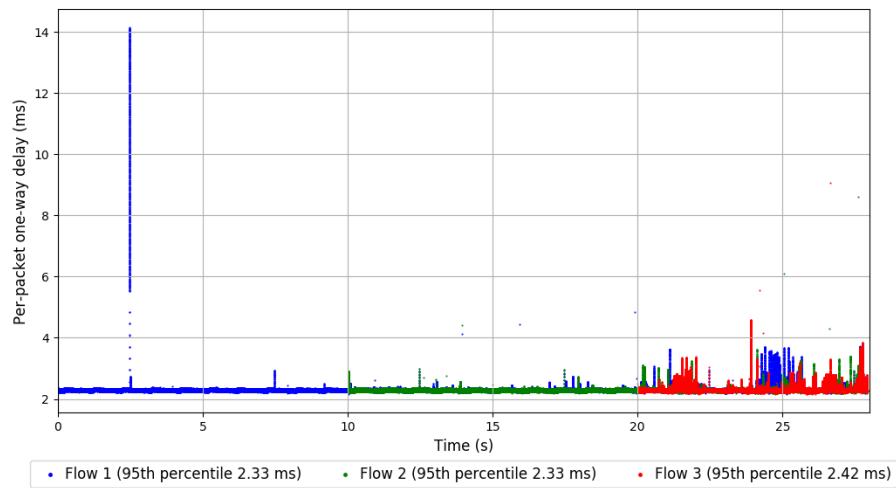
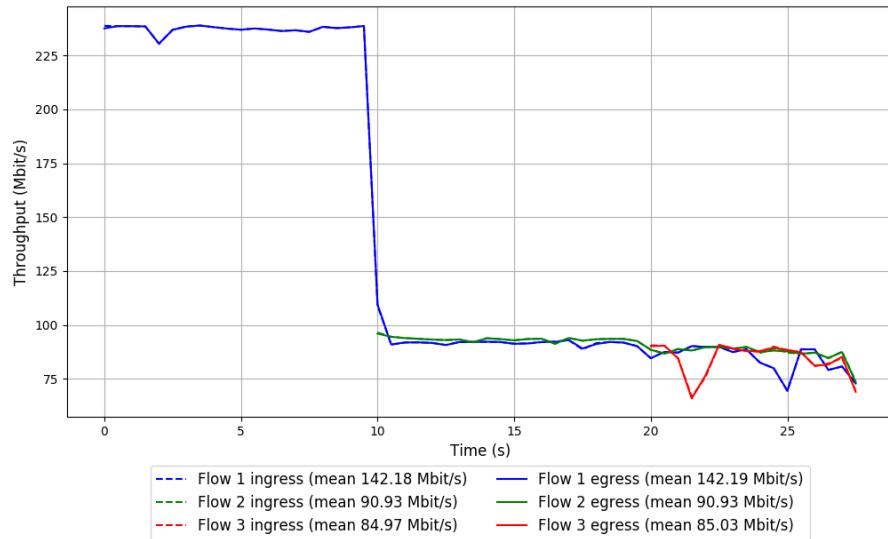


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-09-18 10:32:24
End at: 2017-09-18 10:32:54
Local clock offset: -2.008 ms
Remote clock offset: 1.333 ms

# Below is generated by plot.py at 2017-09-18 15:14:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 224.61 Mbit/s
95th percentile per-packet one-way delay: 2.333 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 142.19 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 2.335 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 2.416 ms
Loss rate: 0.04%
```

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

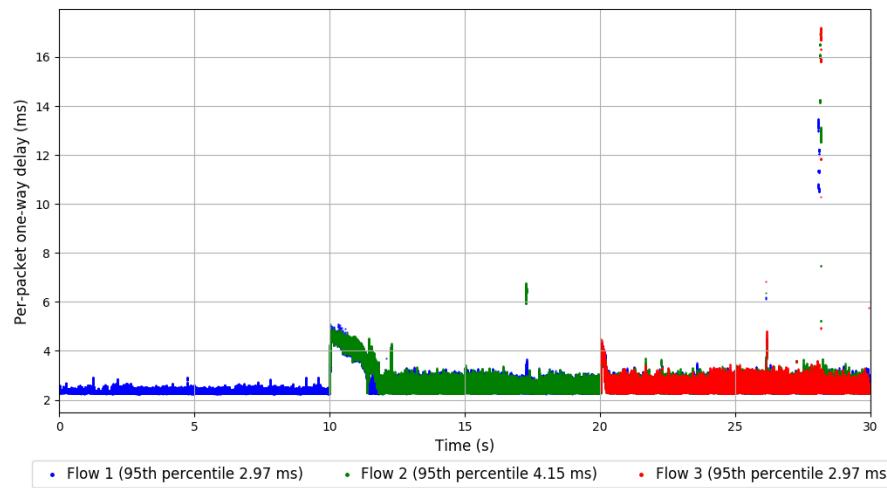
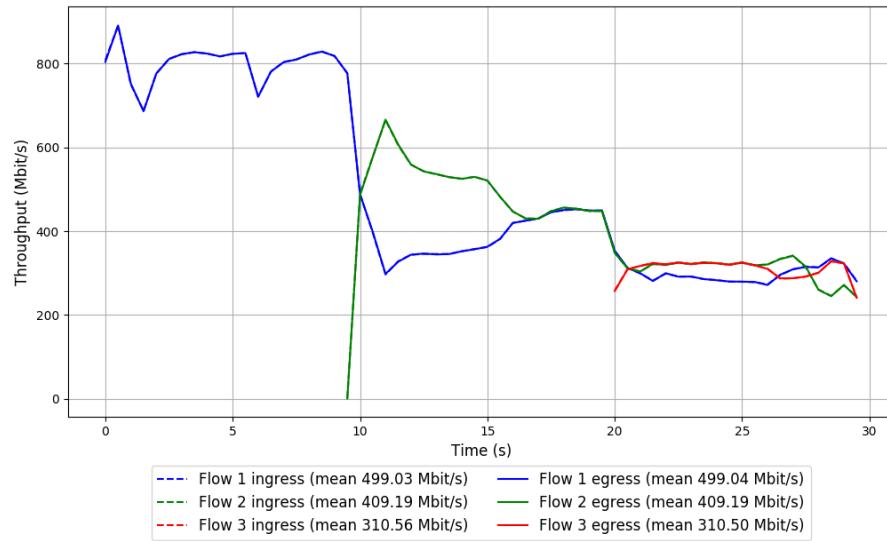


Run 1: Statistics of TCP Vegas

```
Start at: 2017-09-18 08:27:48
End at: 2017-09-18 08:28:18
Local clock offset: -1.845 ms
Remote clock offset: 0.294 ms

# Below is generated by plot.py at 2017-09-18 15:21:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 874.45 Mbit/s
95th percentile per-packet one-way delay: 3.717 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 499.04 Mbit/s
95th percentile per-packet one-way delay: 2.970 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 409.19 Mbit/s
95th percentile per-packet one-way delay: 4.150 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 310.50 Mbit/s
95th percentile per-packet one-way delay: 2.966 ms
Loss rate: 0.03%
```

Run 1: Report of TCP Vegas — Data Link

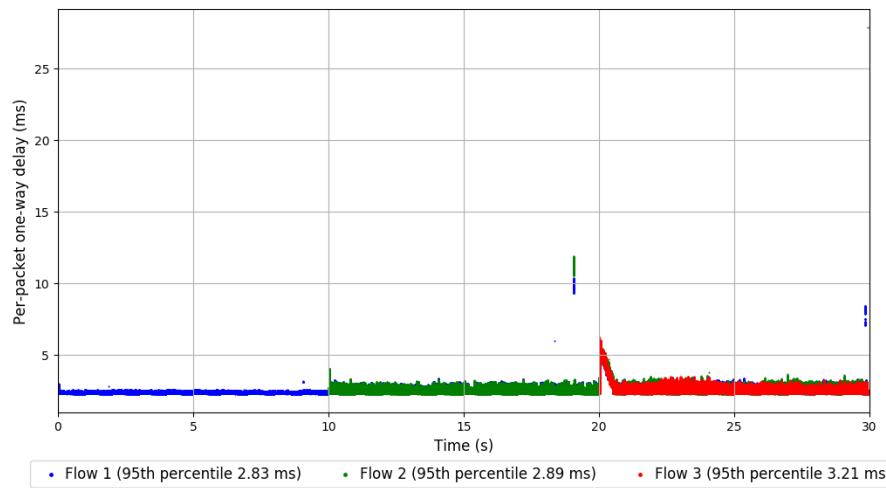
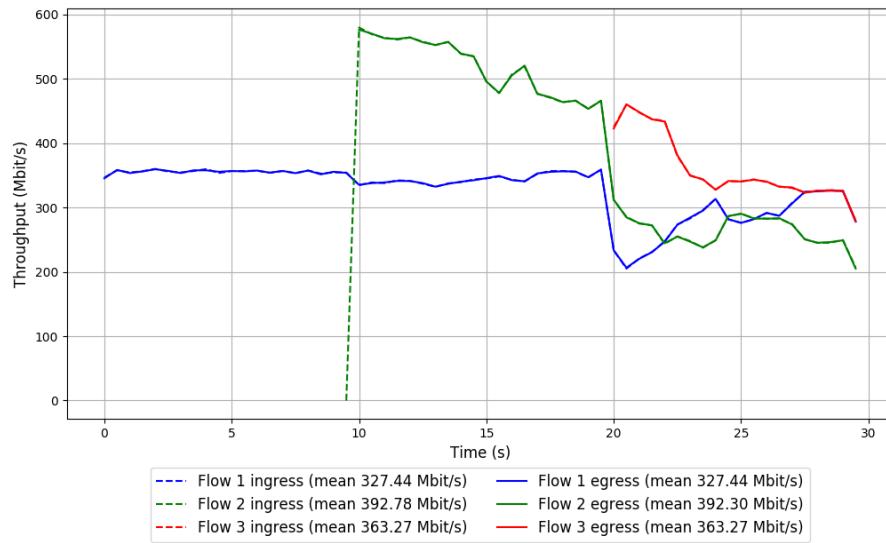


Run 2: Statistics of TCP Vegas

```
Start at: 2017-09-18 08:42:05
End at: 2017-09-18 08:42:35
Local clock offset: -1.861 ms
Remote clock offset: 0.561 ms

# Below is generated by plot.py at 2017-09-18 15:21:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 709.05 Mbit/s
95th percentile per-packet one-way delay: 2.892 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 327.44 Mbit/s
95th percentile per-packet one-way delay: 2.827 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 392.30 Mbit/s
95th percentile per-packet one-way delay: 2.891 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 363.27 Mbit/s
95th percentile per-packet one-way delay: 3.211 ms
Loss rate: 0.05%
```

Run 2: Report of TCP Vegas — Data Link

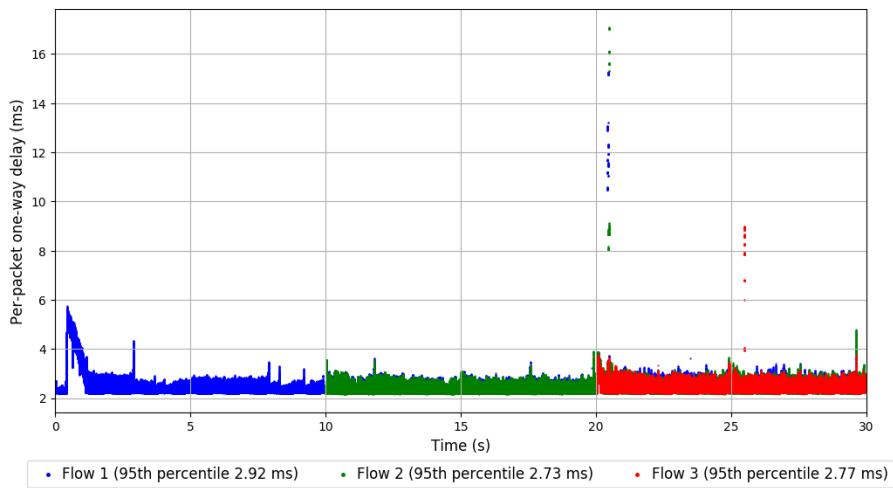
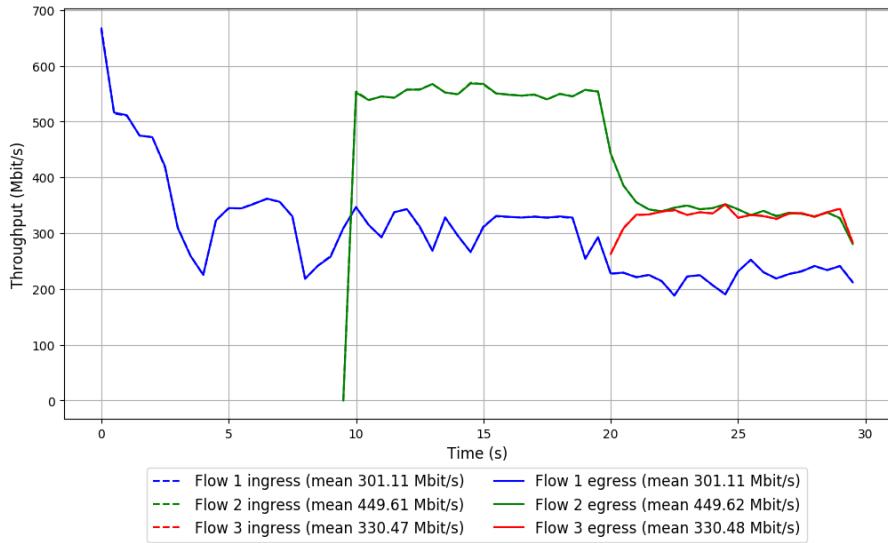


Run 3: Statistics of TCP Vegas

```
Start at: 2017-09-18 08:56:21
End at: 2017-09-18 08:56:51
Local clock offset: -1.998 ms
Remote clock offset: 0.821 ms

# Below is generated by plot.py at 2017-09-18 15:21:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 710.05 Mbit/s
95th percentile per-packet one-way delay: 2.794 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 301.11 Mbit/s
95th percentile per-packet one-way delay: 2.922 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 449.62 Mbit/s
95th percentile per-packet one-way delay: 2.734 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 330.48 Mbit/s
95th percentile per-packet one-way delay: 2.774 ms
Loss rate: 0.04%
```

### Run 3: Report of TCP Vegas — Data Link

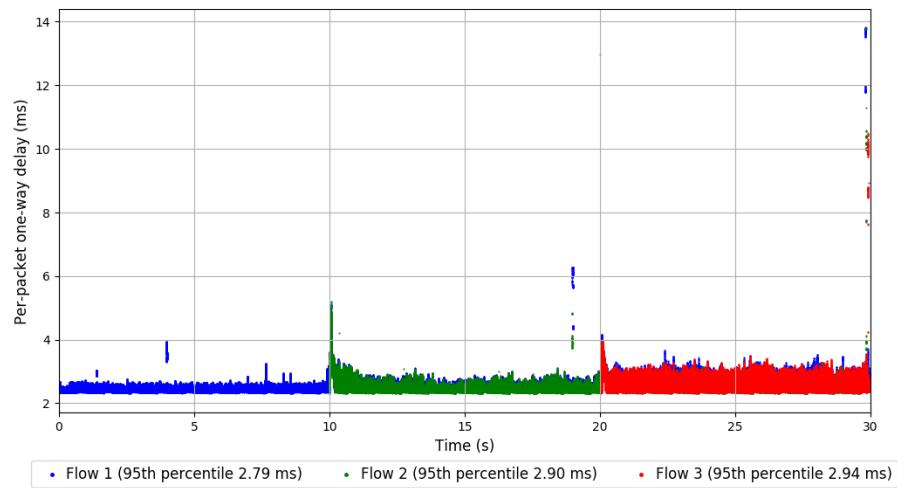
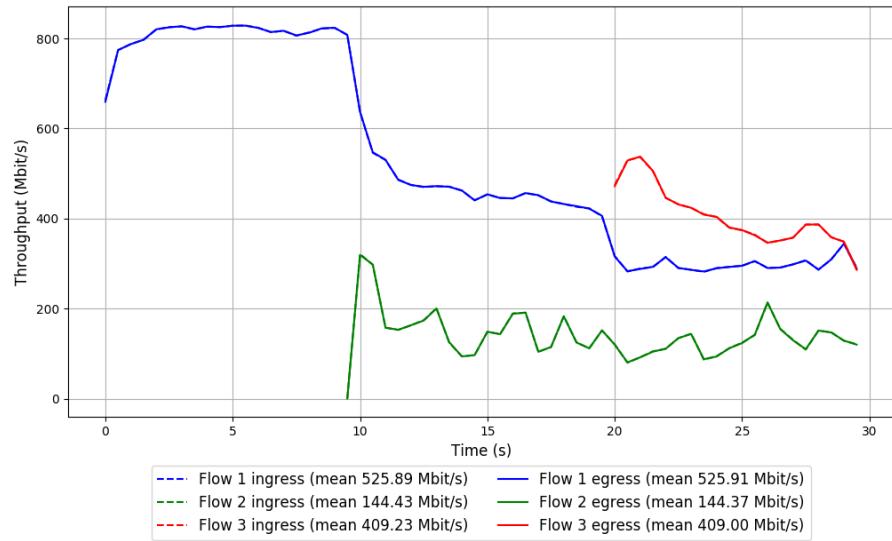


Run 4: Statistics of TCP Vegas

```
Start at: 2017-09-18 09:10:36
End at: 2017-09-18 09:11:06
Local clock offset: -1.79 ms
Remote clock offset: 0.966 ms

# Below is generated by plot.py at 2017-09-18 15:21:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 757.30 Mbit/s
95th percentile per-packet one-way delay: 2.856 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 525.91 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 144.37 Mbit/s
95th percentile per-packet one-way delay: 2.898 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 409.00 Mbit/s
95th percentile per-packet one-way delay: 2.943 ms
Loss rate: 0.04%
```

## Run 4: Report of TCP Vegas — Data Link

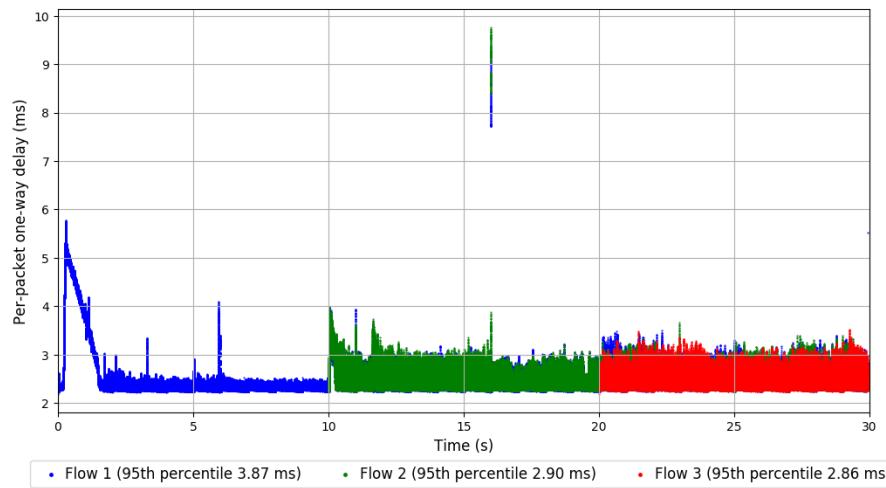
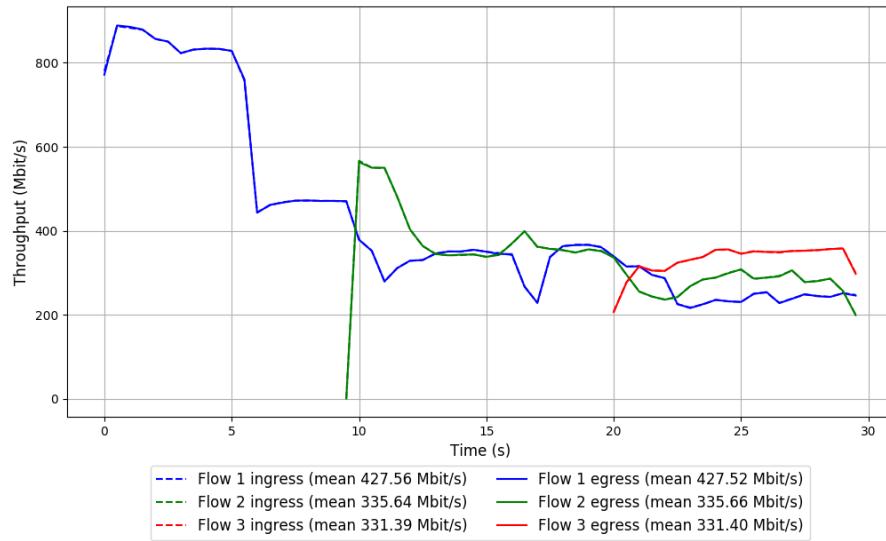


Run 5: Statistics of TCP Vegas

```
Start at: 2017-09-18 09:24:51
End at: 2017-09-18 09:25:21
Local clock offset: -1.665 ms
Remote clock offset: 1.183 ms

# Below is generated by plot.py at 2017-09-18 15:23:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 760.88 Mbit/s
95th percentile per-packet one-way delay: 3.129 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 427.52 Mbit/s
95th percentile per-packet one-way delay: 3.865 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 335.66 Mbit/s
95th percentile per-packet one-way delay: 2.901 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 331.40 Mbit/s
95th percentile per-packet one-way delay: 2.857 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Vegas — Data Link

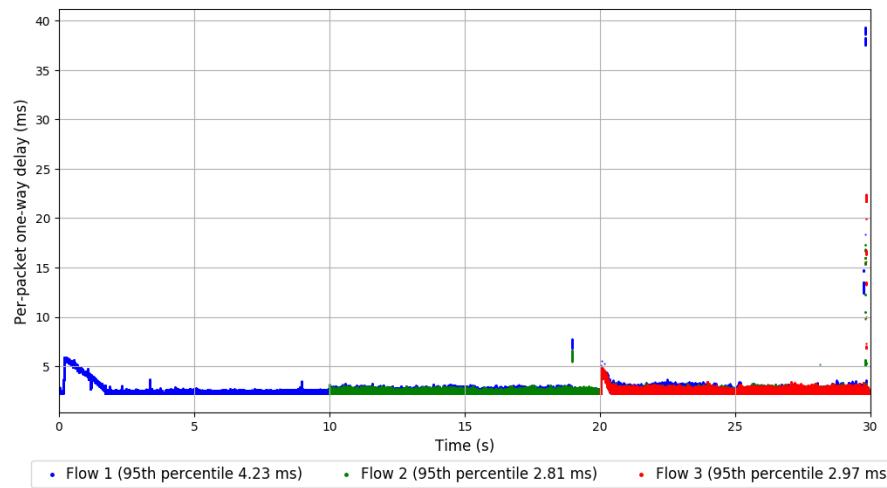
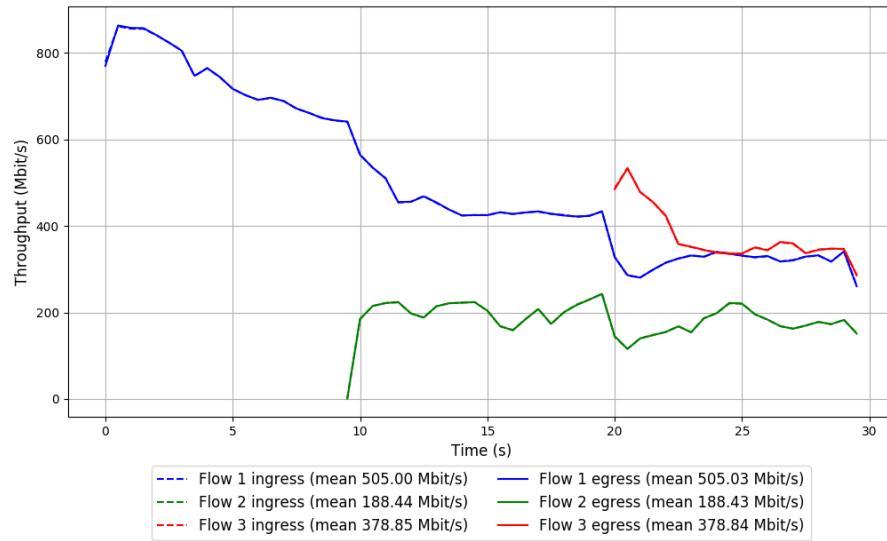


Run 6: Statistics of TCP Vegas

```
Start at: 2017-09-18 09:39:09
End at: 2017-09-18 09:39:39
Local clock offset: -1.736 ms
Remote clock offset: 1.323 ms

# Below is generated by plot.py at 2017-09-18 15:23:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 756.17 Mbit/s
95th percentile per-packet one-way delay: 3.749 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 505.03 Mbit/s
95th percentile per-packet one-way delay: 4.234 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 188.43 Mbit/s
95th percentile per-packet one-way delay: 2.806 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 378.84 Mbit/s
95th percentile per-packet one-way delay: 2.966 ms
Loss rate: 0.04%
```

Run 6: Report of TCP Vegas — Data Link

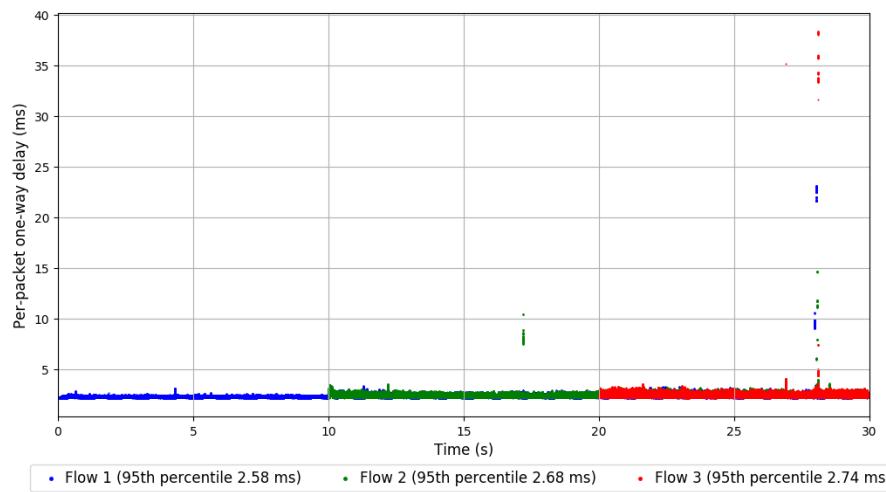
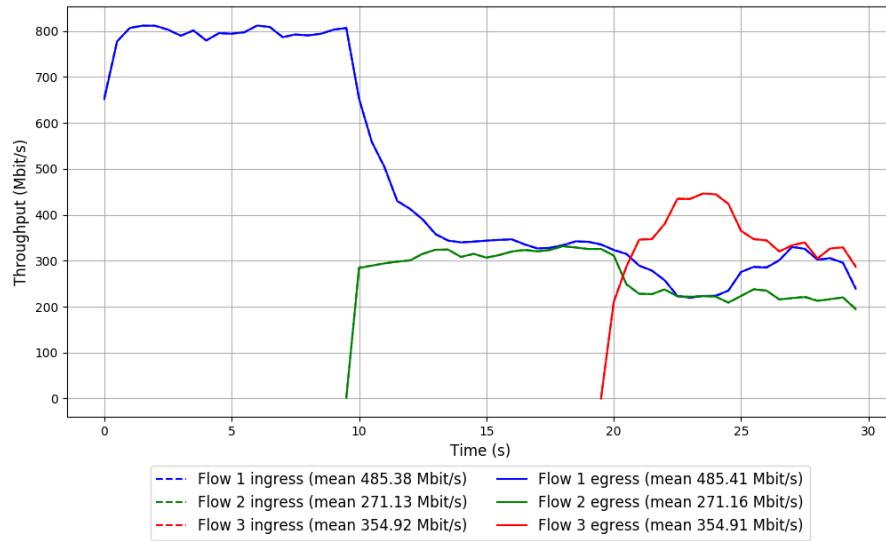


Run 7: Statistics of TCP Vegas

```
Start at: 2017-09-18 09:53:28
End at: 2017-09-18 09:53:58
Local clock offset: -1.786 ms
Remote clock offset: 1.536 ms

# Below is generated by plot.py at 2017-09-18 15:24:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 783.89 Mbit/s
95th percentile per-packet one-way delay: 2.647 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 485.41 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 271.16 Mbit/s
95th percentile per-packet one-way delay: 2.677 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 354.91 Mbit/s
95th percentile per-packet one-way delay: 2.742 ms
Loss rate: 0.05%
```

Run 7: Report of TCP Vegas — Data Link

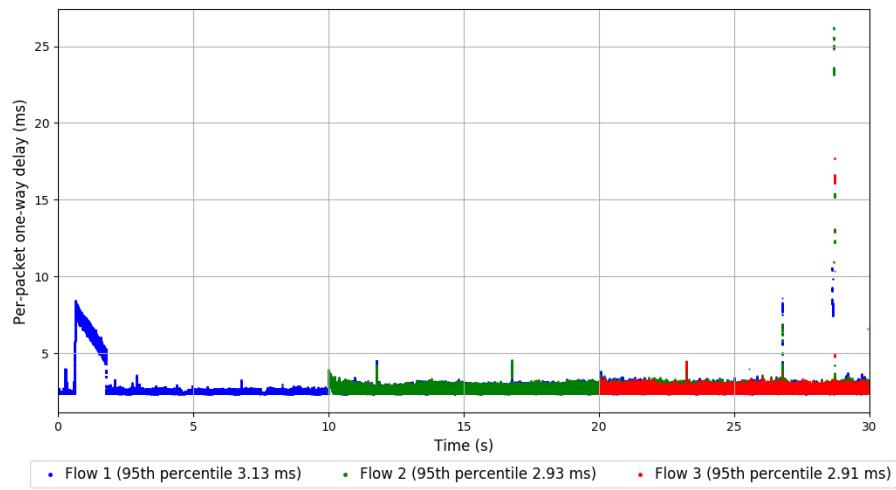
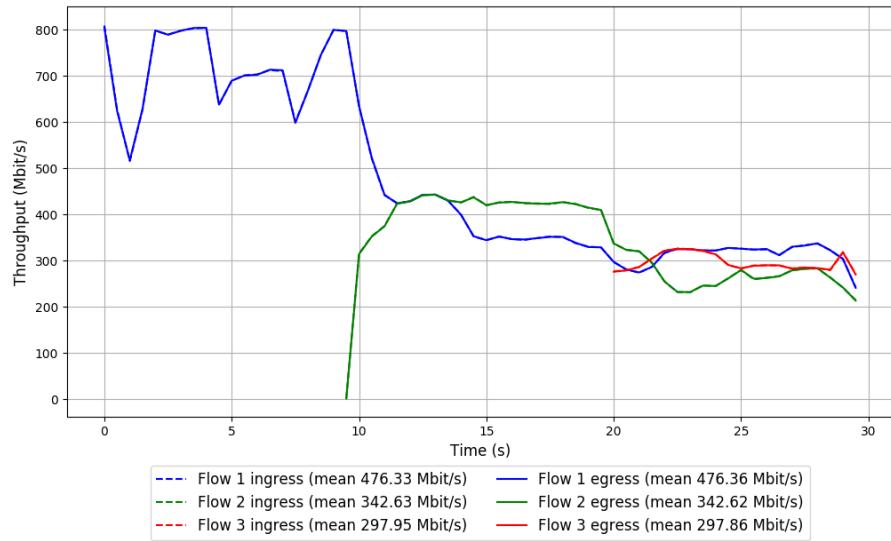


Run 8: Statistics of TCP Vegas

```
Start at: 2017-09-18 10:07:45
End at: 2017-09-18 10:08:15
Local clock offset: -1.859 ms
Remote clock offset: 1.546 ms

# Below is generated by plot.py at 2017-09-18 15:25:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.38 Mbit/s
95th percentile per-packet one-way delay: 2.977 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 476.36 Mbit/s
95th percentile per-packet one-way delay: 3.131 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 342.62 Mbit/s
95th percentile per-packet one-way delay: 2.929 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 297.86 Mbit/s
95th percentile per-packet one-way delay: 2.913 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Vegas — Data Link

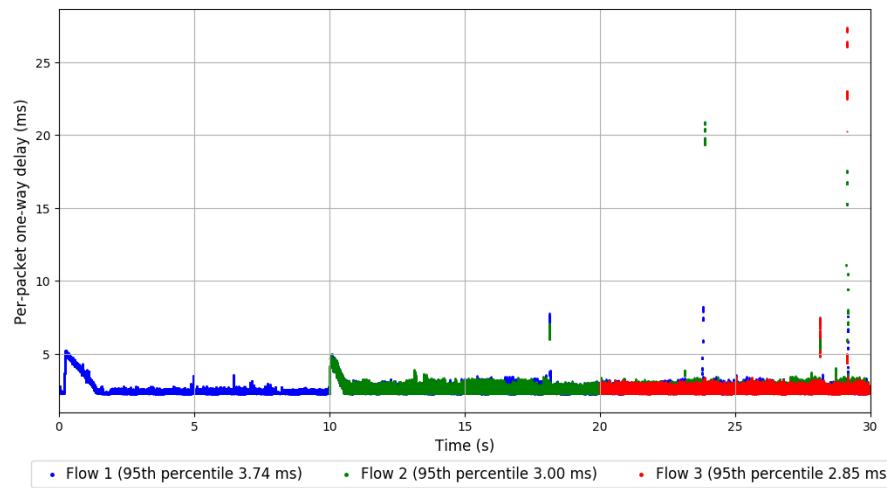
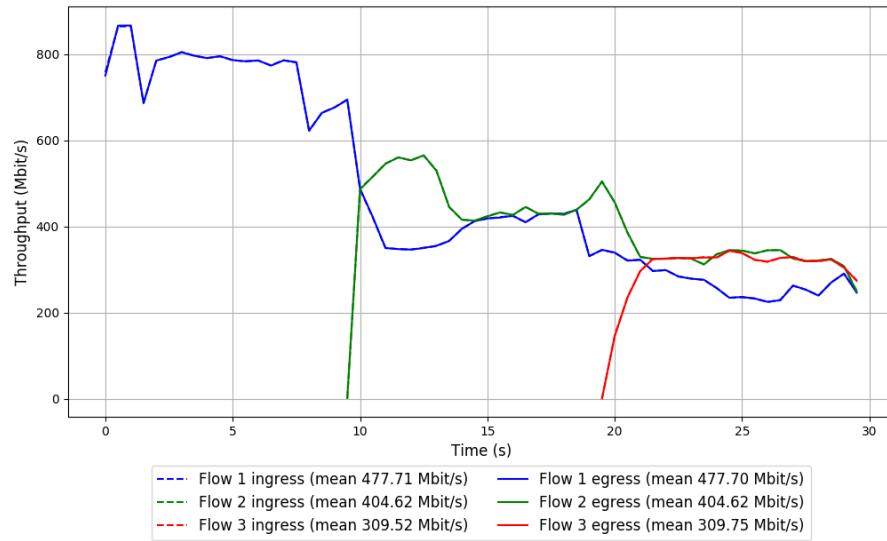


Run 9: Statistics of TCP Vegas

```
Start at: 2017-09-18 10:22:07
End at: 2017-09-18 10:22:37
Local clock offset: -1.983 ms
Remote clock offset: 1.423 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 850.23 Mbit/s
95th percentile per-packet one-way delay: 3.181 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 477.70 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.62 Mbit/s
95th percentile per-packet one-way delay: 3.005 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 309.75 Mbit/s
95th percentile per-packet one-way delay: 2.851 ms
Loss rate: 0.04%
```

Run 9: Report of TCP Vegas — Data Link

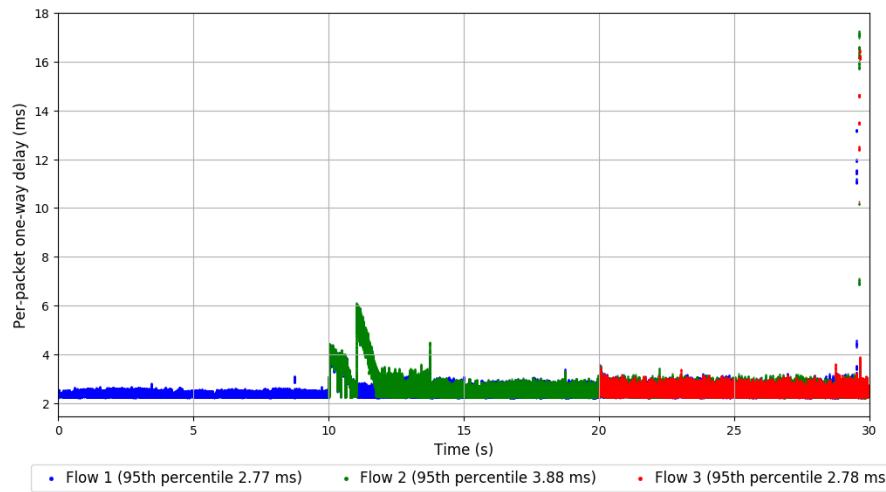
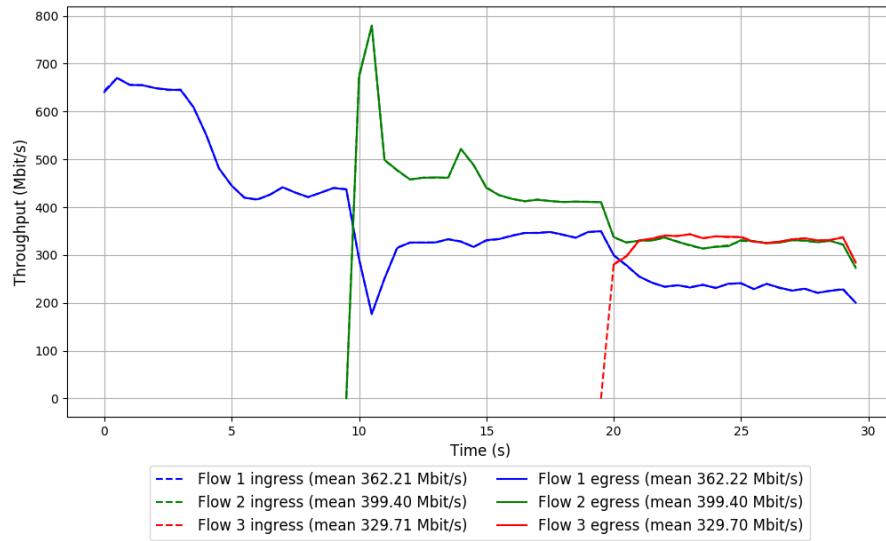


Run 10: Statistics of TCP Vegas

```
Start at: 2017-09-18 10:36:27
End at: 2017-09-18 10:36:57
Local clock offset: -2.061 ms
Remote clock offset: 1.1 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 737.74 Mbit/s
95th percentile per-packet one-way delay: 3.039 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 362.22 Mbit/s
95th percentile per-packet one-way delay: 2.765 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 399.40 Mbit/s
95th percentile per-packet one-way delay: 3.880 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 329.70 Mbit/s
95th percentile per-packet one-way delay: 2.782 ms
Loss rate: 0.05%
```

Run 10: Report of TCP Vegas — Data Link

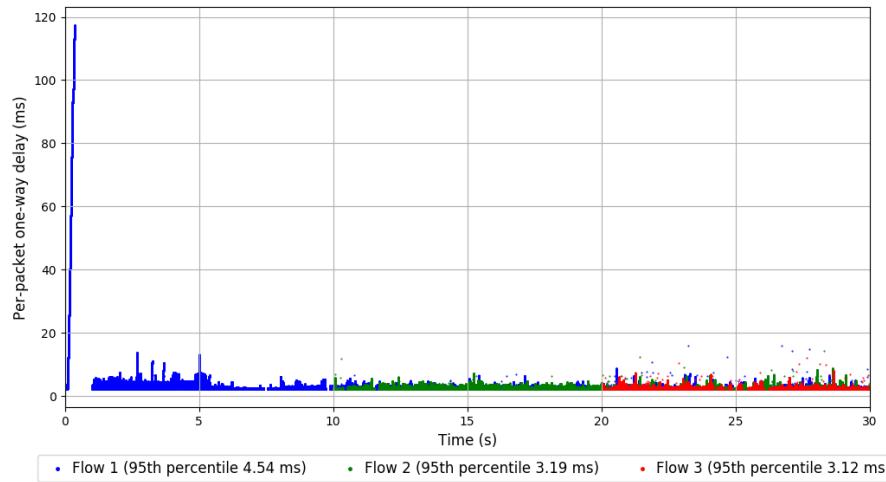
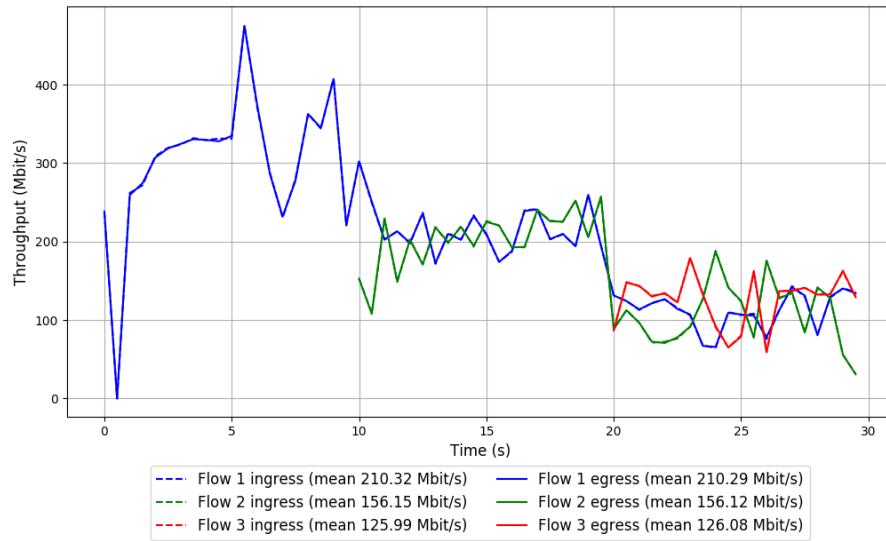


Run 1: Statistics of Verus

```
Start at: 2017-09-18 08:29:28
End at: 2017-09-18 08:29:58
Local clock offset: -1.907 ms
Remote clock offset: 0.319 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.04 Mbit/s
95th percentile per-packet one-way delay: 4.035 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 210.29 Mbit/s
95th percentile per-packet one-way delay: 4.538 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 156.12 Mbit/s
95th percentile per-packet one-way delay: 3.185 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 126.08 Mbit/s
95th percentile per-packet one-way delay: 3.120 ms
Loss rate: 0.02%
```

Run 1: Report of Verus — Data Link

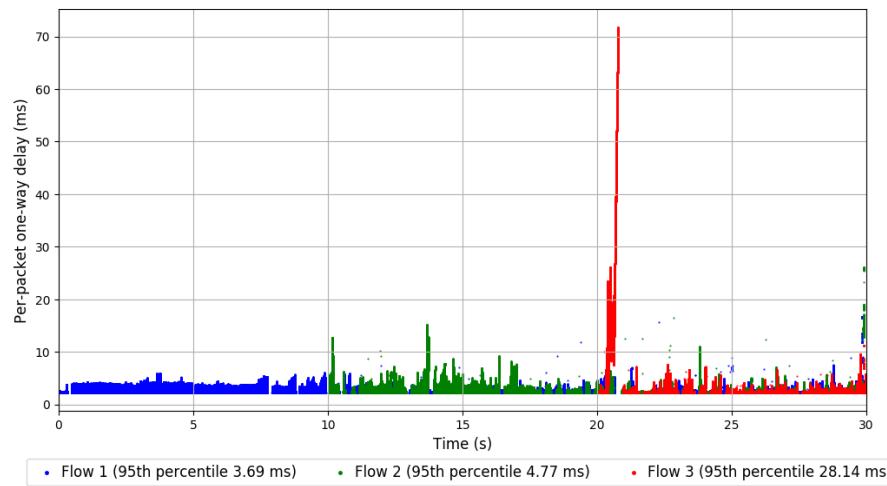
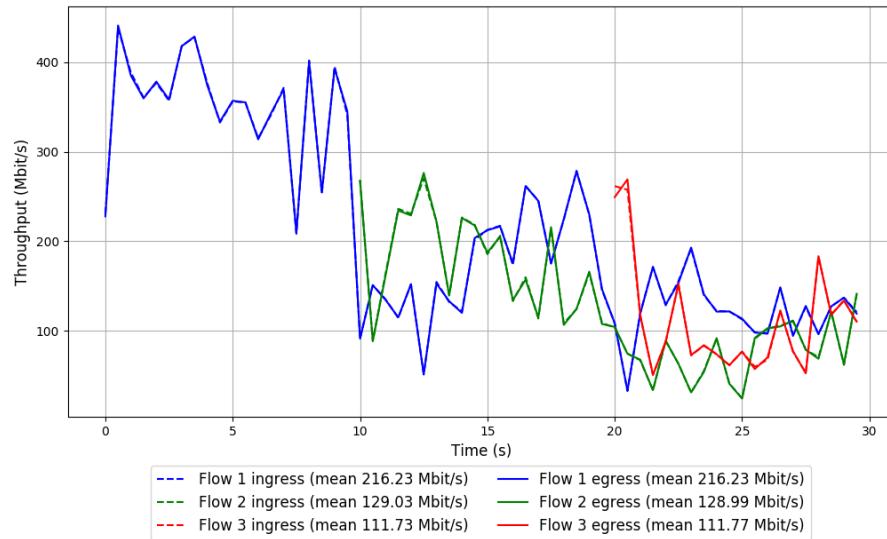


Run 2: Statistics of Verus

```
Start at: 2017-09-18 08:43:38
End at: 2017-09-18 08:44:08
Local clock offset: -1.857 ms
Remote clock offset: 0.599 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.87 Mbit/s
95th percentile per-packet one-way delay: 4.301 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 216.23 Mbit/s
95th percentile per-packet one-way delay: 3.694 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 128.99 Mbit/s
95th percentile per-packet one-way delay: 4.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 111.77 Mbit/s
95th percentile per-packet one-way delay: 28.142 ms
Loss rate: 0.01%
```

## Run 2: Report of Verus — Data Link

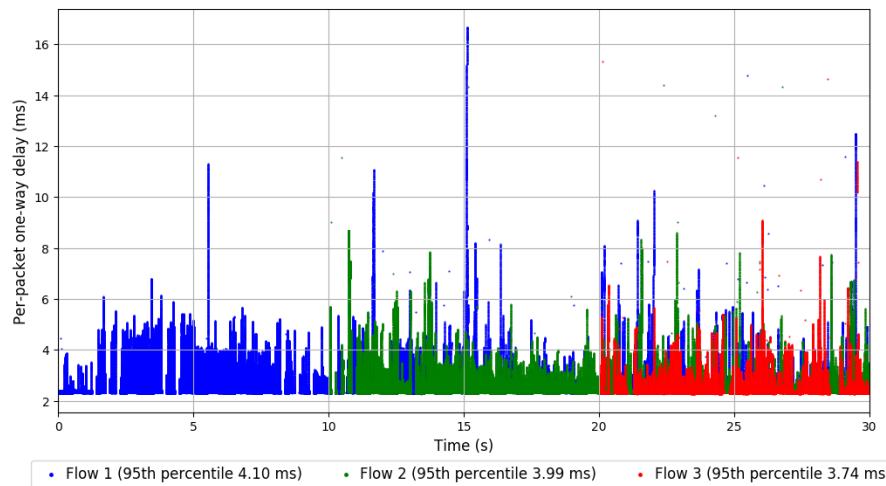
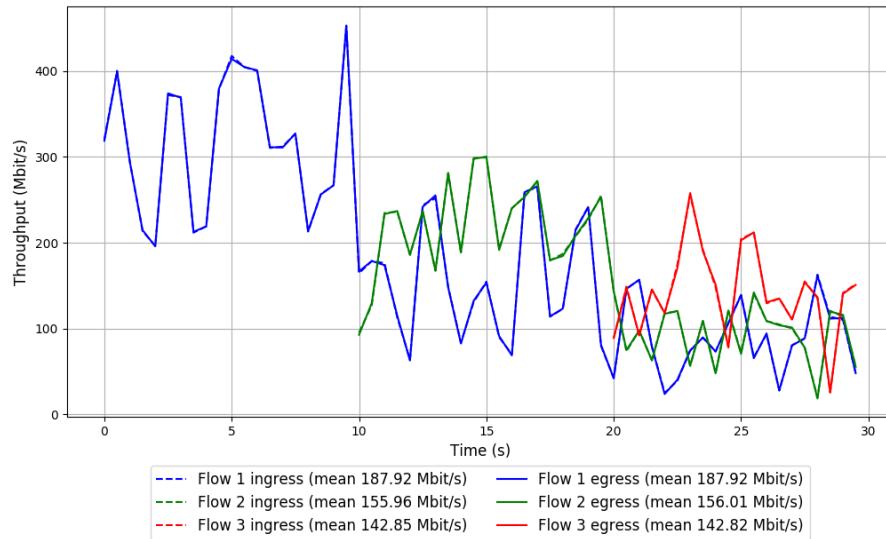


Run 3: Statistics of Verus

```
Start at: 2017-09-18 08:57:55
End at: 2017-09-18 08:58:25
Local clock offset: -1.957 ms
Remote clock offset: 0.793 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 339.14 Mbit/s
95th percentile per-packet one-way delay: 4.008 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 187.92 Mbit/s
95th percentile per-packet one-way delay: 4.103 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 156.01 Mbit/s
95th percentile per-packet one-way delay: 3.990 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 142.82 Mbit/s
95th percentile per-packet one-way delay: 3.743 ms
Loss rate: 0.07%
```

Run 3: Report of Verus — Data Link

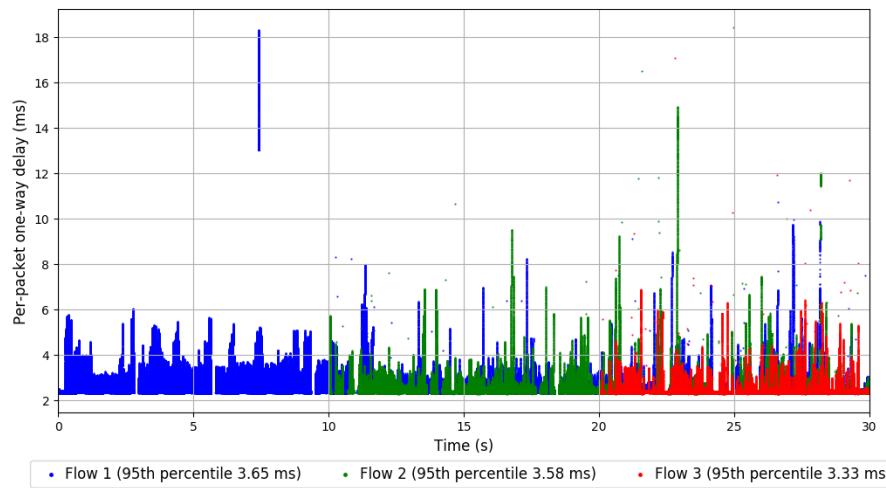
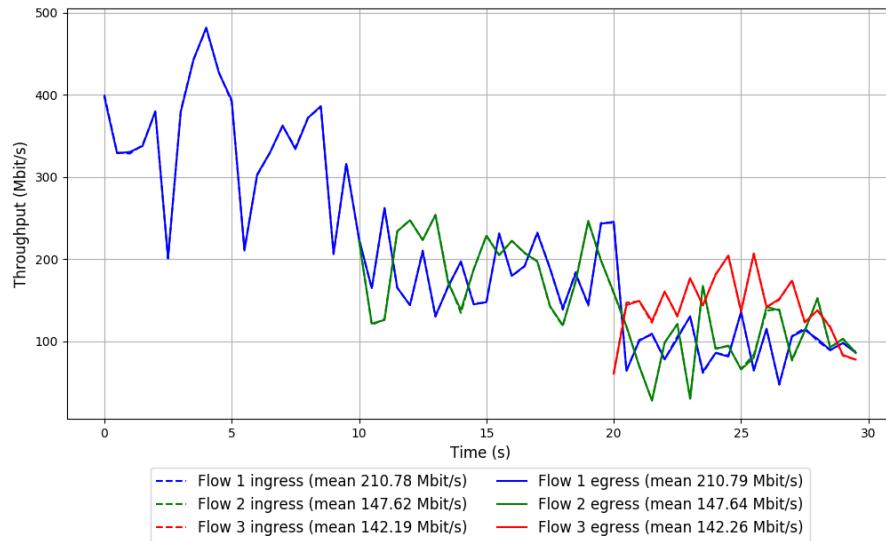


Run 4: Statistics of Verus

```
Start at: 2017-09-18 09:12:12
End at: 2017-09-18 09:12:42
Local clock offset: -1.784 ms
Remote clock offset: 0.996 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.20 Mbit/s
95th percentile per-packet one-way delay: 3.587 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 210.79 Mbit/s
95th percentile per-packet one-way delay: 3.650 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 147.64 Mbit/s
95th percentile per-packet one-way delay: 3.583 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 142.26 Mbit/s
95th percentile per-packet one-way delay: 3.333 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

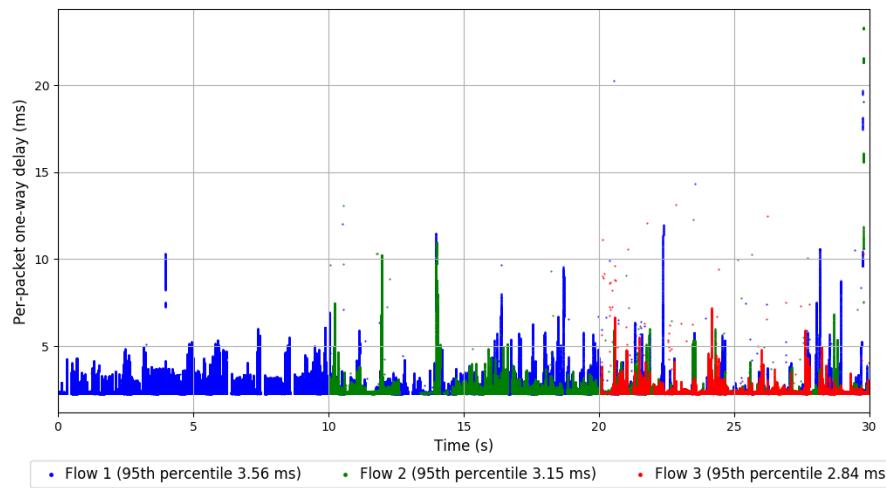
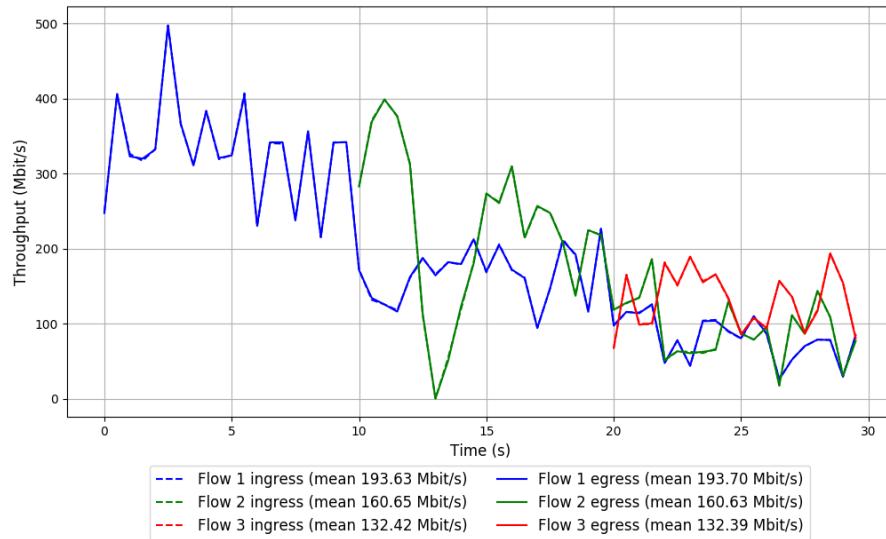


Run 5: Statistics of Verus

```
Start at: 2017-09-18 09:26:27
End at: 2017-09-18 09:26:57
Local clock offset: -1.623 ms
Remote clock offset: 1.227 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.42 Mbit/s
95th percentile per-packet one-way delay: 3.370 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 193.70 Mbit/s
95th percentile per-packet one-way delay: 3.564 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.63 Mbit/s
95th percentile per-packet one-way delay: 3.148 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 132.39 Mbit/s
95th percentile per-packet one-way delay: 2.844 ms
Loss rate: 0.08%
```

Run 5: Report of Verus — Data Link

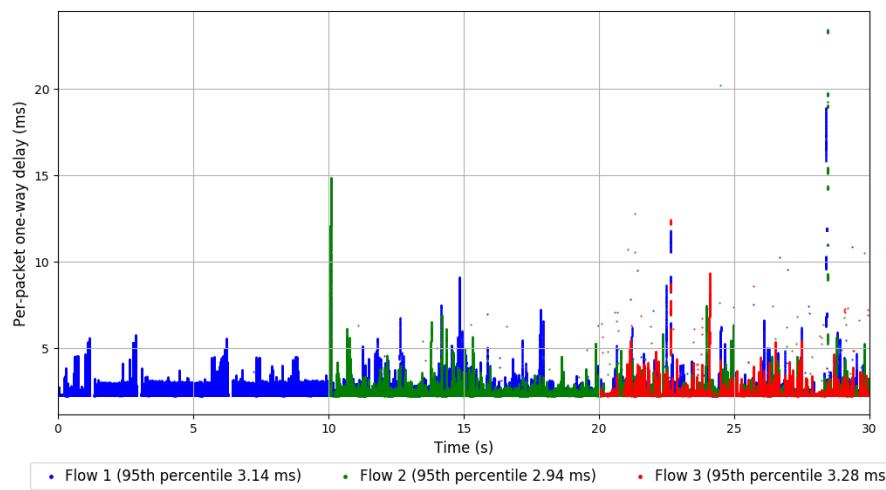
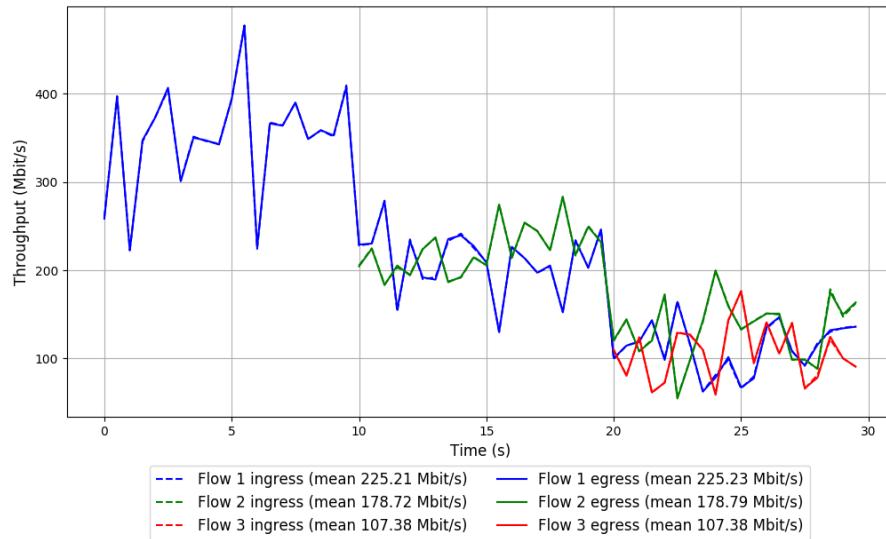


Run 6: Statistics of Verus

```
Start at: 2017-09-18 09:40:44
End at: 2017-09-18 09:41:14
Local clock offset: -1.674 ms
Remote clock offset: 1.42 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.84 Mbit/s
95th percentile per-packet one-way delay: 3.098 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 225.23 Mbit/s
95th percentile per-packet one-way delay: 3.141 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 178.79 Mbit/s
95th percentile per-packet one-way delay: 2.936 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 107.38 Mbit/s
95th percentile per-packet one-way delay: 3.282 ms
Loss rate: 0.00%
```

Run 6: Report of Verus — Data Link

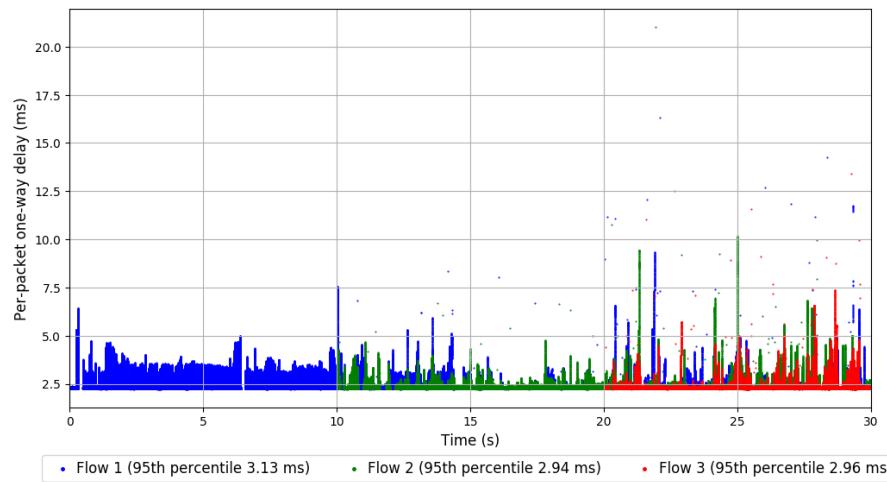
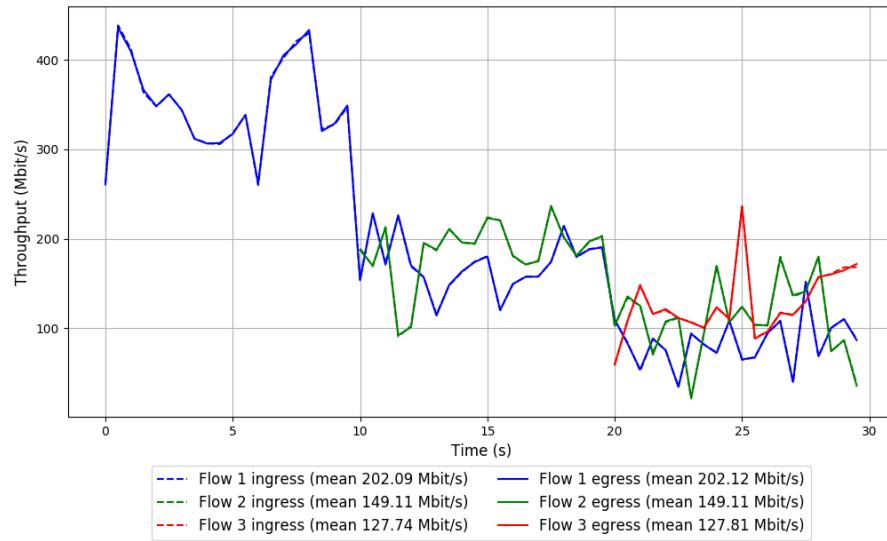


Run 7: Statistics of Verus

```
Start at: 2017-09-18 09:55:04
End at: 2017-09-18 09:55:34
Local clock offset: -1.712 ms
Remote clock offset: 1.554 ms

# Below is generated by plot.py at 2017-09-18 15:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 343.76 Mbit/s
95th percentile per-packet one-way delay: 3.069 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 202.12 Mbit/s
95th percentile per-packet one-way delay: 3.135 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 149.11 Mbit/s
95th percentile per-packet one-way delay: 2.935 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 127.81 Mbit/s
95th percentile per-packet one-way delay: 2.964 ms
Loss rate: 0.04%
```

Run 7: Report of Verus — Data Link

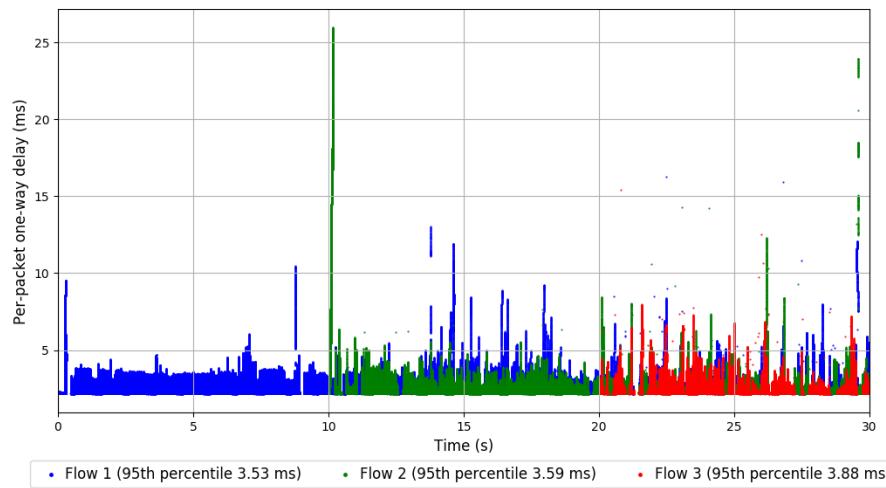
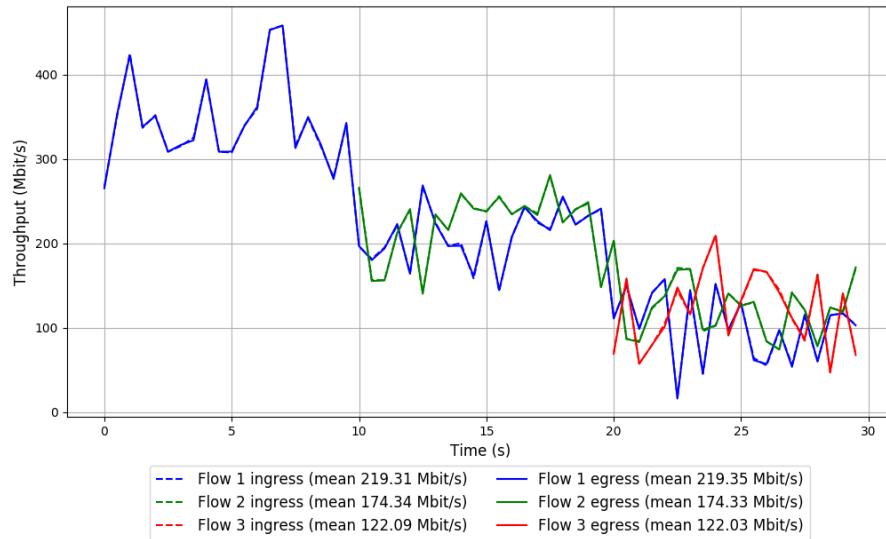


Run 8: Statistics of Verus

```
Start at: 2017-09-18 10:09:22
End at: 2017-09-18 10:09:52
Local clock offset: -1.984 ms
Remote clock offset: 1.618 ms

# Below is generated by plot.py at 2017-09-18 15:31:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.82 Mbit/s
95th percentile per-packet one-way delay: 3.588 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 219.35 Mbit/s
95th percentile per-packet one-way delay: 3.532 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.33 Mbit/s
95th percentile per-packet one-way delay: 3.594 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.03 Mbit/s
95th percentile per-packet one-way delay: 3.878 ms
Loss rate: 0.08%
```

## Run 8: Report of Verus — Data Link

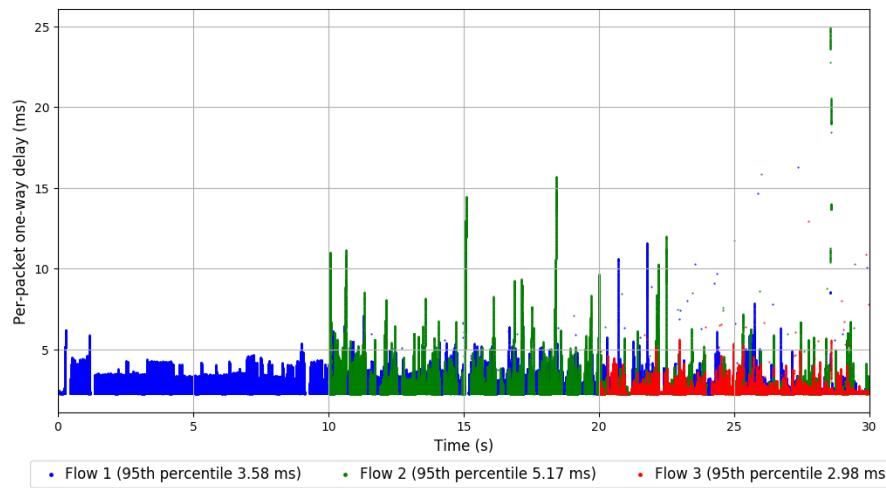
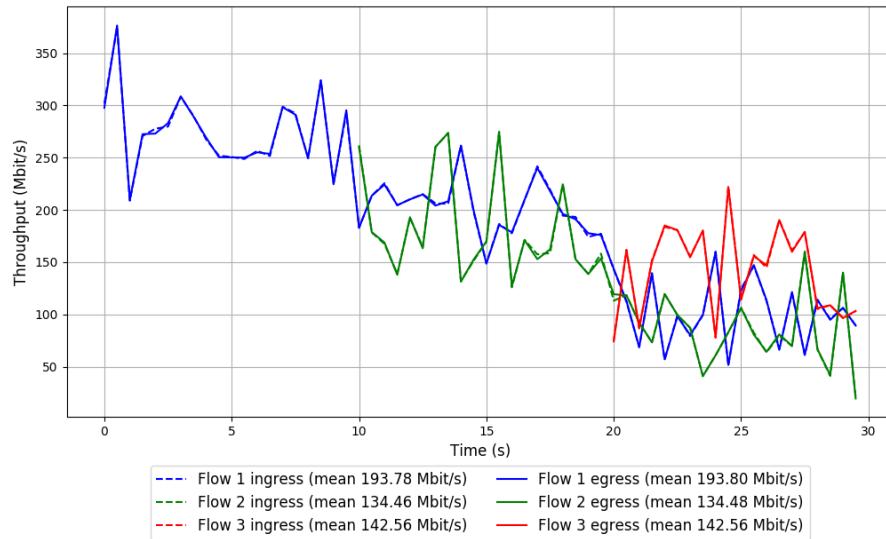


Run 9: Statistics of Verus

```
Start at: 2017-09-18 10:23:45
End at: 2017-09-18 10:24:15
Local clock offset: -1.936 ms
Remote clock offset: 1.457 ms

# Below is generated by plot.py at 2017-09-18 15:31:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.67 Mbit/s
95th percentile per-packet one-way delay: 3.829 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 193.80 Mbit/s
95th percentile per-packet one-way delay: 3.585 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 134.48 Mbit/s
95th percentile per-packet one-way delay: 5.171 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 142.56 Mbit/s
95th percentile per-packet one-way delay: 2.977 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

```
Start at: 2017-09-18 10:38:01
End at: 2017-09-18 10:38:31
Local clock offset: -2.139 ms
Remote clock offset: 1.017 ms

# Below is generated by plot.py at 2017-09-18 15:31:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 363.98 Mbit/s
95th percentile per-packet one-way delay: 4.356 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 225.62 Mbit/s
95th percentile per-packet one-way delay: 3.922 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 145.69 Mbit/s
95th percentile per-packet one-way delay: 5.405 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 129.01 Mbit/s
95th percentile per-packet one-way delay: 4.078 ms
Loss rate: 0.11%
```

Run 10: Report of Verus — Data Link

