

## Pantheon Report

Generated at 2018-03-07 00:16:46 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

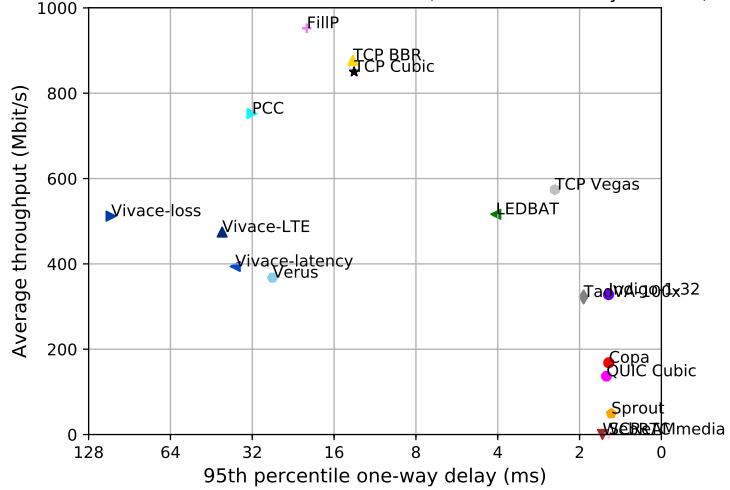
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

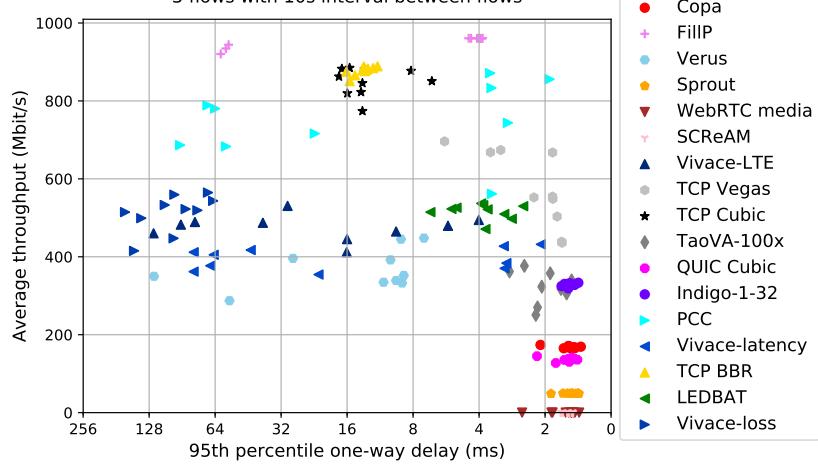
**Git summary:**

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aeee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



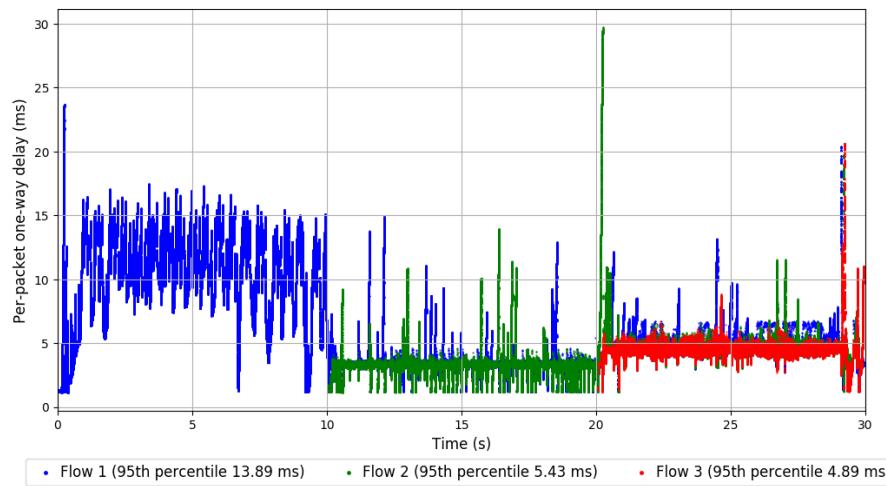
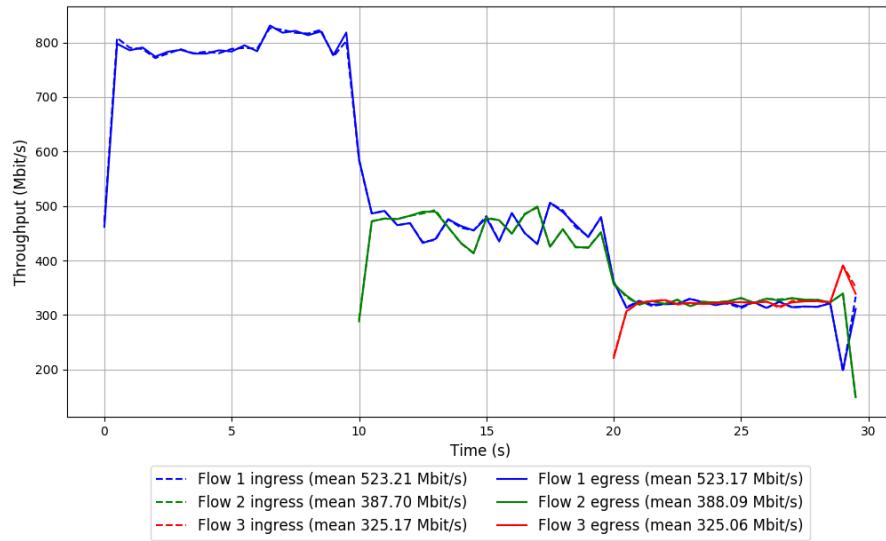
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	513.97	386.41	320.42	14.96	10.86	5.05	0.05	0.09	0.25
TCP Cubic	10	483.53	382.62	338.31	14.33	5.95	4.42	0.05	0.10	0.23
LEDBAT	10	294.08	241.59	186.26	3.90	4.61	2.76	0.05	0.10	0.28
PCC	10	544.02	217.10	194.56	40.13	3.00	3.04	1.91	0.18	0.26
QUIC Cubic	10	73.07	66.59	58.57	1.34	1.36	1.28	0.07	0.09	0.19
SCReAM	10	0.22	0.22	0.22	1.29	1.28	1.29	0.03	0.04	0.28
WebRTC media	10	0.05	0.05	0.05	1.38	1.43	1.44	0.02	0.97	0.01
Sprout	10	24.75	24.74	24.57	1.23	1.22	1.22	0.11	0.10	0.27
TaoVA-100x	10	182.72	157.09	106.80	1.83	1.97	2.01	0.11	0.21	0.45
TCP Vegas	10	302.41	285.59	246.26	1.95	2.69	2.29	0.06	0.08	0.19
Verus	10	220.03	160.79	126.13	13.40	46.69	4.42	0.32	1.95	0.73
Copa	10	86.84	84.28	76.89	1.27	1.29	1.33	0.04	0.06	0.16
FillP	10	581.45	401.12	315.67	20.25	4.45	4.46	1.02	0.10	0.24
Indigo-1-32	10	176.48	162.45	133.83	1.21	1.47	1.30	0.06	0.10	0.18
Vivace-latency	10	271.60	146.58	76.44	68.59	1.75	1.42	0.57	0.08	0.27
Vivace-loss	10	319.48	211.77	157.74	127.80	21.42	11.81	3.93	0.68	0.72
Vivace-LTE	10	302.21	186.69	147.44	67.75	18.40	1.81	1.17	0.20	0.18

Run 1: Statistics of TCP BBR

```
Start at: 2018-03-06 12:12:48
End at: 2018-03-06 12:13:18
Local clock offset: -3.792 ms
Remote clock offset: 5.649 ms

# Below is generated by plot.py at 2018-03-06 22:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 888.26 Mbit/s
95th percentile per-packet one-way delay: 13.433 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 523.17 Mbit/s
95th percentile per-packet one-way delay: 13.895 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 388.09 Mbit/s
95th percentile per-packet one-way delay: 5.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 325.06 Mbit/s
95th percentile per-packet one-way delay: 4.887 ms
Loss rate: 0.24%
```

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

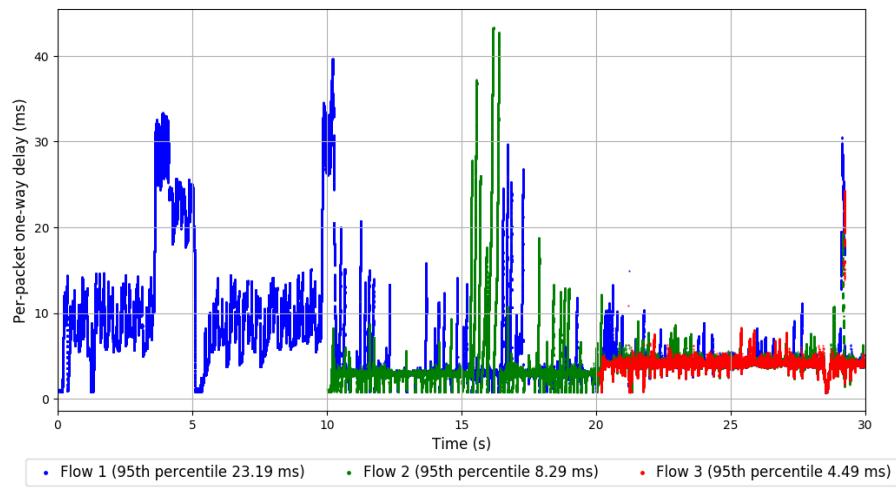
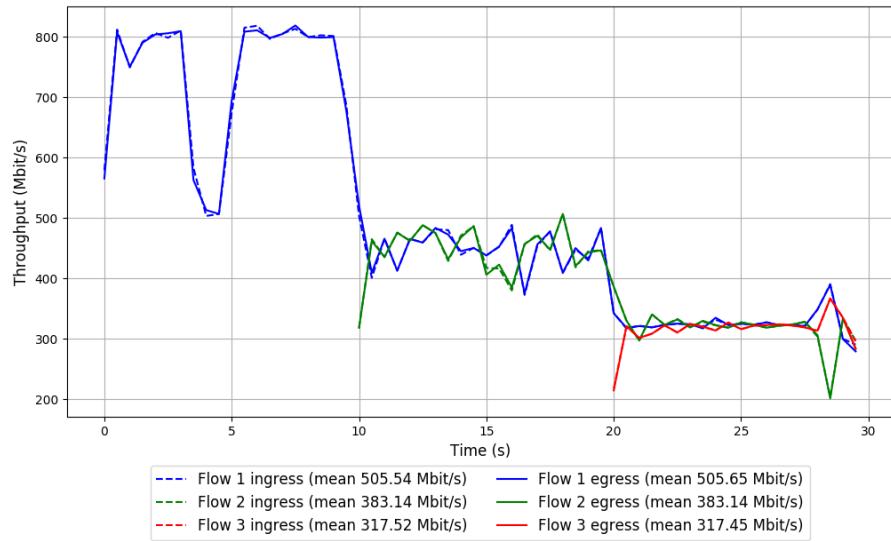


Run 2: Statistics of TCP BBR

```
Start at: 2018-03-06 12:42:26
End at: 2018-03-06 12:42:56
Local clock offset: -4.764 ms
Remote clock offset: 6.028 ms

# Below is generated by plot.py at 2018-03-06 22:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 865.70 Mbit/s
95th percentile per-packet one-way delay: 14.722 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 505.65 Mbit/s
95th percentile per-packet one-way delay: 23.188 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 383.14 Mbit/s
95th percentile per-packet one-way delay: 8.295 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 317.45 Mbit/s
95th percentile per-packet one-way delay: 4.488 ms
Loss rate: 0.24%
```

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

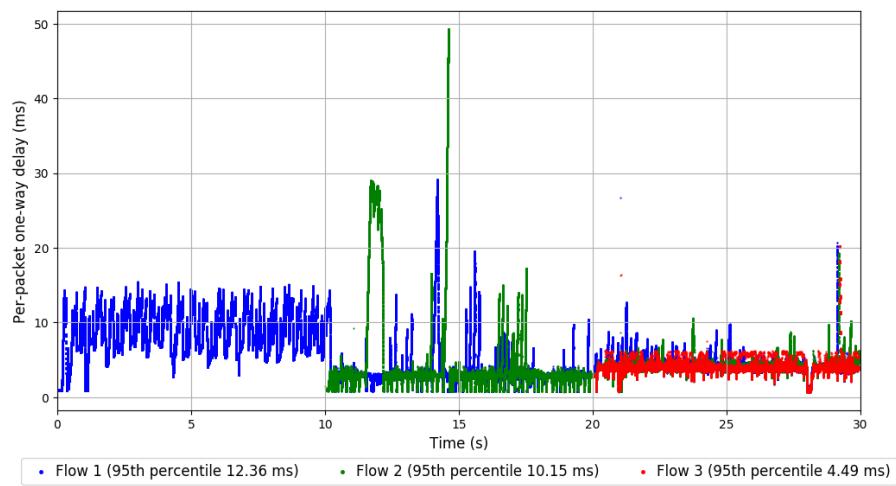
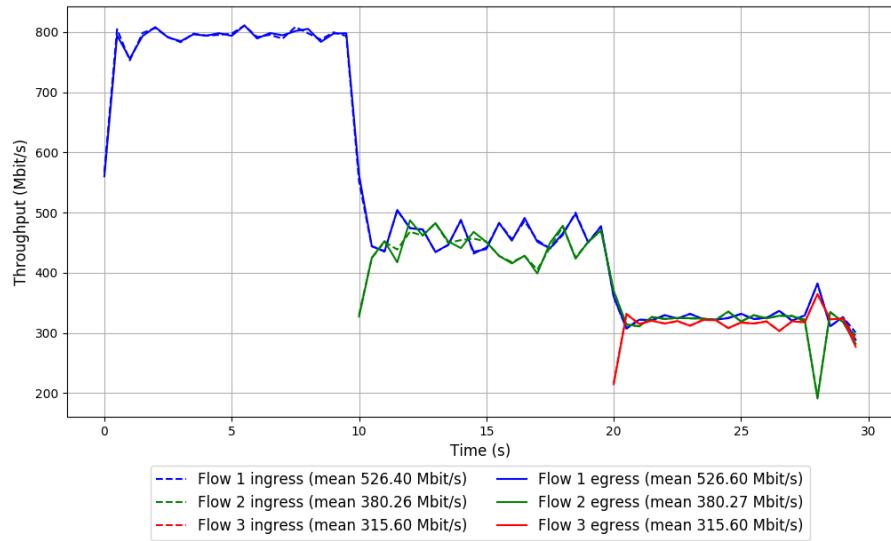


Run 3: Statistics of TCP BBR

```
Start at: 2018-03-06 13:11:45
End at: 2018-03-06 13:12:15
Local clock offset: -4.768 ms
Remote clock offset: 4.555 ms

# Below is generated by plot.py at 2018-03-06 22:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.28 Mbit/s
95th percentile per-packet one-way delay: 12.174 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 526.60 Mbit/s
95th percentile per-packet one-way delay: 12.360 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 380.27 Mbit/s
95th percentile per-packet one-way delay: 10.152 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 315.60 Mbit/s
95th percentile per-packet one-way delay: 4.487 ms
Loss rate: 0.24%
```

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

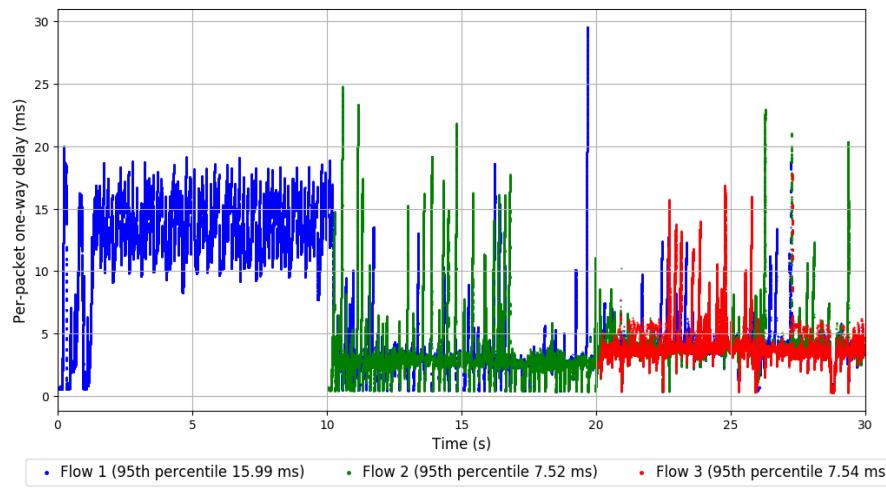
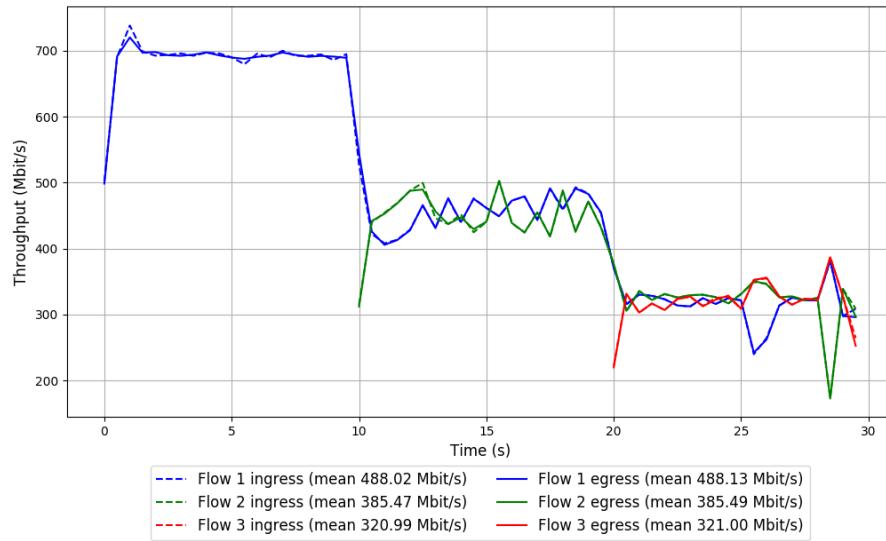


Run 4: Statistics of TCP BBR

```
Start at: 2018-03-06 13:40:55
End at: 2018-03-06 13:41:25
Local clock offset: -1.981 ms
Remote clock offset: -0.742 ms

# Below is generated by plot.py at 2018-03-06 22:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 850.90 Mbit/s
95th percentile per-packet one-way delay: 15.573 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 488.13 Mbit/s
95th percentile per-packet one-way delay: 15.995 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 385.49 Mbit/s
95th percentile per-packet one-way delay: 7.523 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.00 Mbit/s
95th percentile per-packet one-way delay: 7.535 ms
Loss rate: 0.22%
```

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

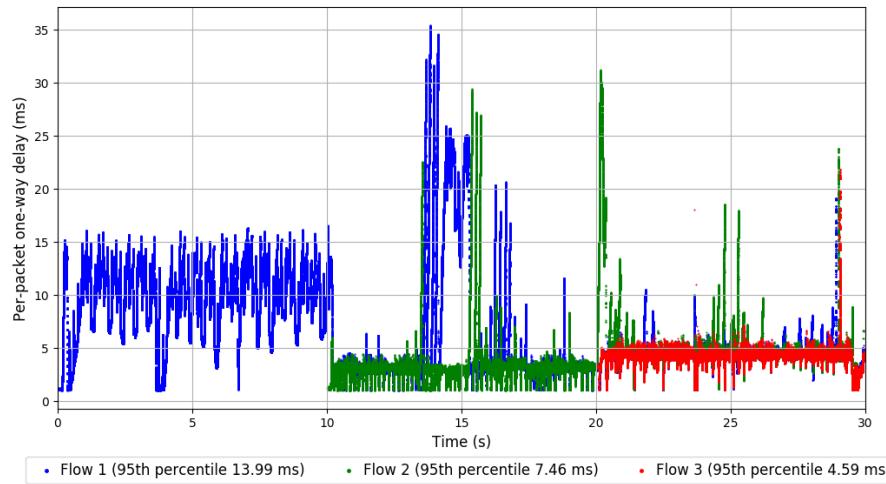
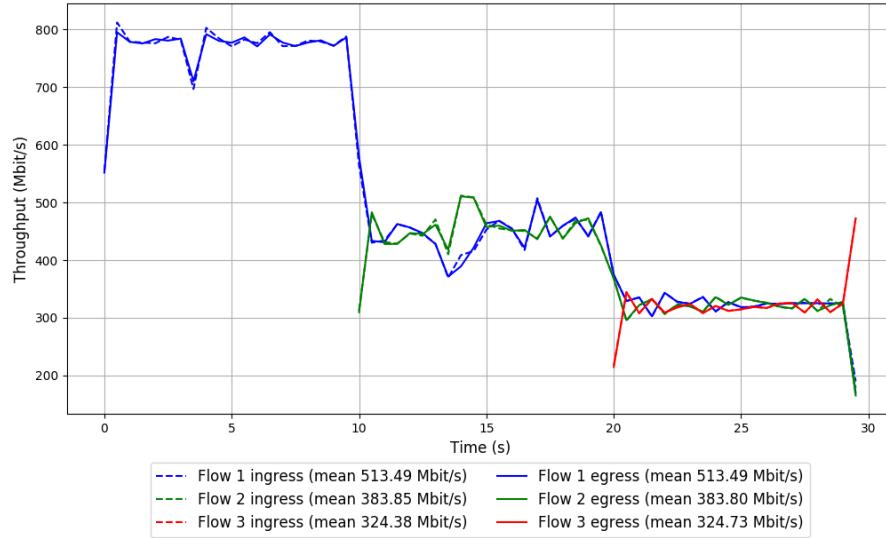


Run 5: Statistics of TCP BBR

```
Start at: 2018-03-06 14:10:32
End at: 2018-03-06 14:11:02
Local clock offset: 4.183 ms
Remote clock offset: 0.512 ms

# Below is generated by plot.py at 2018-03-06 22:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 876.49 Mbit/s
95th percentile per-packet one-way delay: 13.308 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 513.49 Mbit/s
95th percentile per-packet one-way delay: 13.992 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 383.80 Mbit/s
95th percentile per-packet one-way delay: 7.456 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 324.73 Mbit/s
95th percentile per-packet one-way delay: 4.593 ms
Loss rate: 0.05%
```

### Run 5: Report of TCP BBR — Data Link

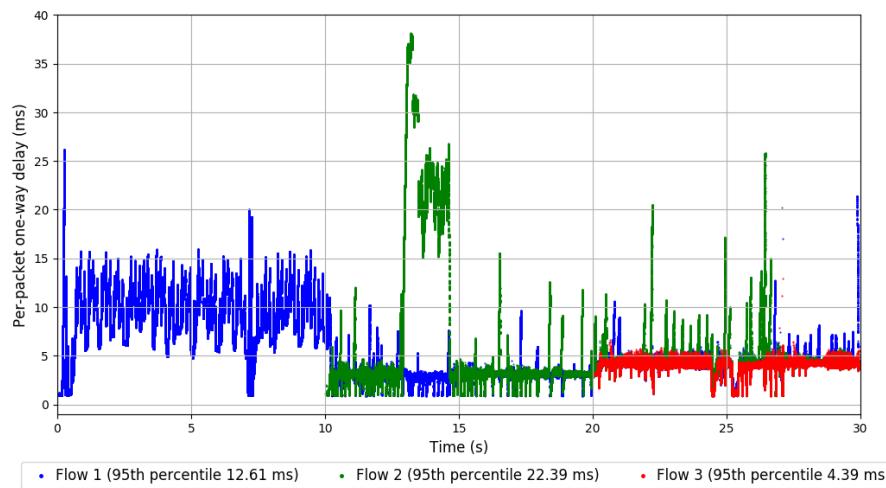
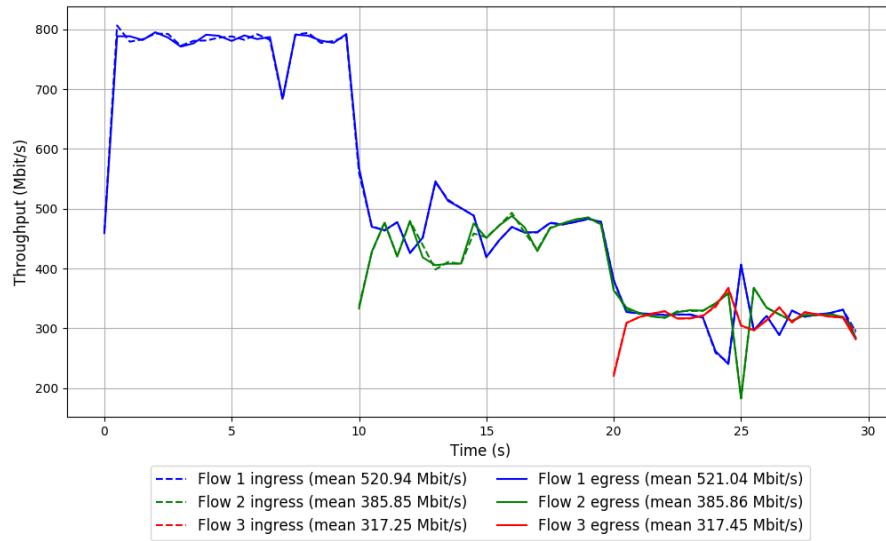


Run 6: Statistics of TCP BBR

```
Start at: 2018-03-06 14:39:58
End at: 2018-03-06 14:40:28
Local clock offset: 5.106 ms
Remote clock offset: 1.915 ms

# Below is generated by plot.py at 2018-03-06 22:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 882.90 Mbit/s
95th percentile per-packet one-way delay: 12.855 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 521.04 Mbit/s
95th percentile per-packet one-way delay: 12.612 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 385.86 Mbit/s
95th percentile per-packet one-way delay: 22.385 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.45 Mbit/s
95th percentile per-packet one-way delay: 4.395 ms
Loss rate: 0.23%
```

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

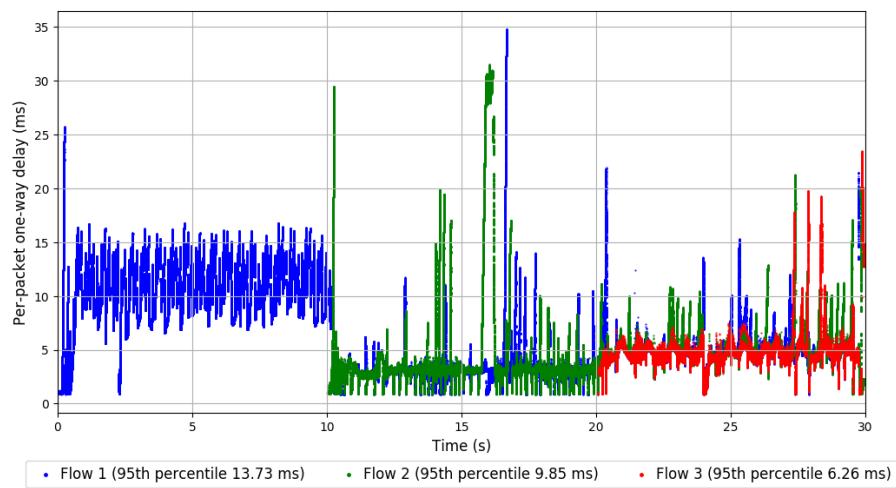
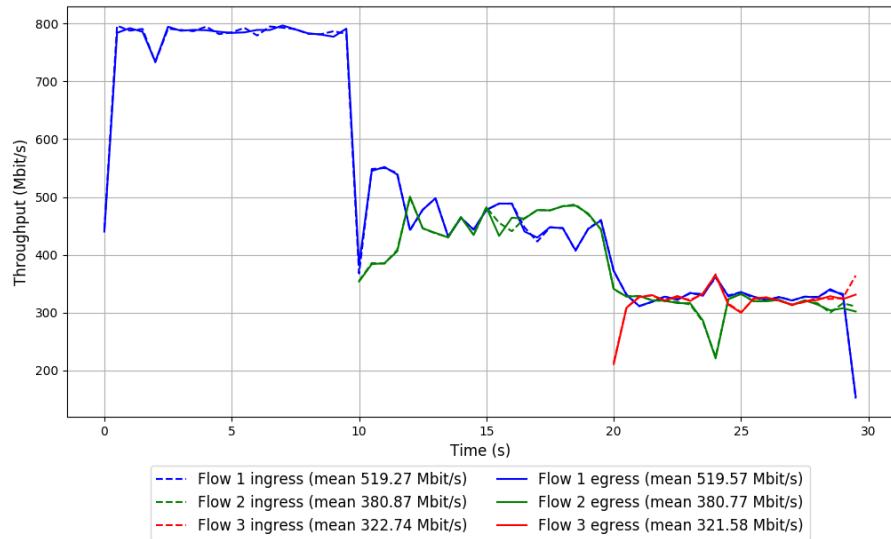


Run 7: Statistics of TCP BBR

```
Start at: 2018-03-06 15:14:33
End at: 2018-03-06 15:15:03
Local clock offset: 0.764 ms
Remote clock offset: 2.297 ms

# Below is generated by plot.py at 2018-03-06 22:09:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 879.28 Mbit/s
95th percentile per-packet one-way delay: 13.564 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 519.57 Mbit/s
95th percentile per-packet one-way delay: 13.733 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 380.77 Mbit/s
95th percentile per-packet one-way delay: 9.853 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 321.58 Mbit/s
95th percentile per-packet one-way delay: 6.256 ms
Loss rate: 0.58%
```

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

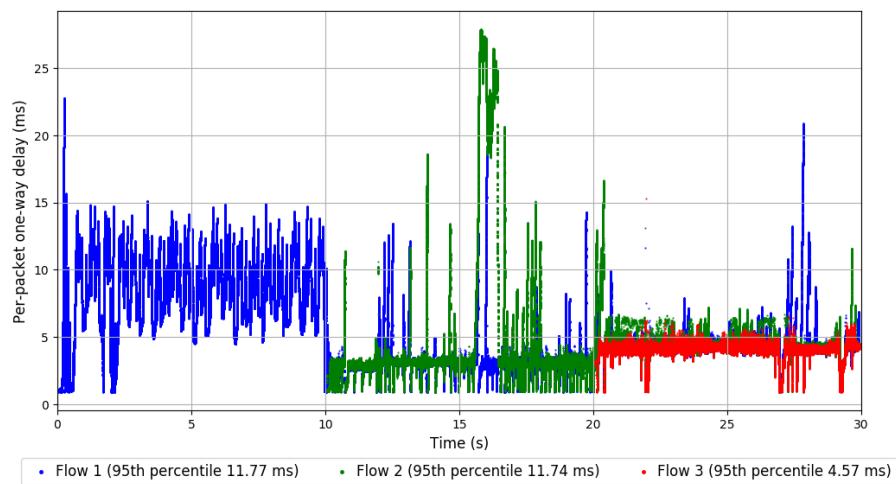
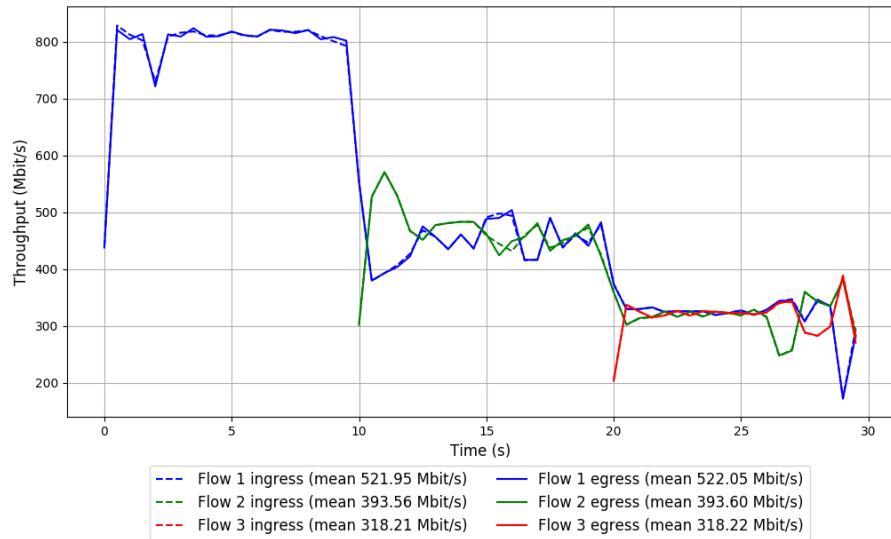


Run 8: Statistics of TCP BBR

```
Start at: 2018-03-06 15:43:32
End at: 2018-03-06 15:44:02
Local clock offset: 0.591 ms
Remote clock offset: 2.296 ms

# Below is generated by plot.py at 2018-03-06 22:09:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 888.91 Mbit/s
95th percentile per-packet one-way delay: 11.617 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 522.05 Mbit/s
95th percentile per-packet one-way delay: 11.771 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.60 Mbit/s
95th percentile per-packet one-way delay: 11.739 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.22 Mbit/s
95th percentile per-packet one-way delay: 4.572 ms
Loss rate: 0.24%
```

## Run 8: Report of TCP BBR — Data Link

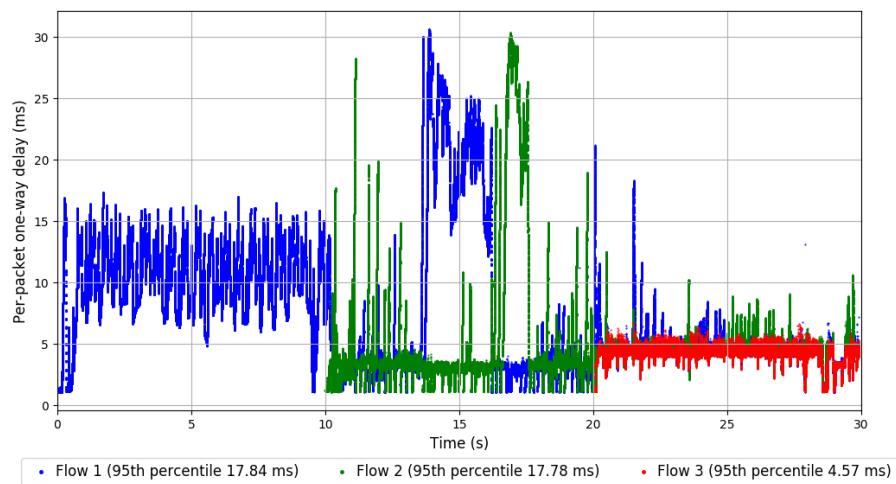
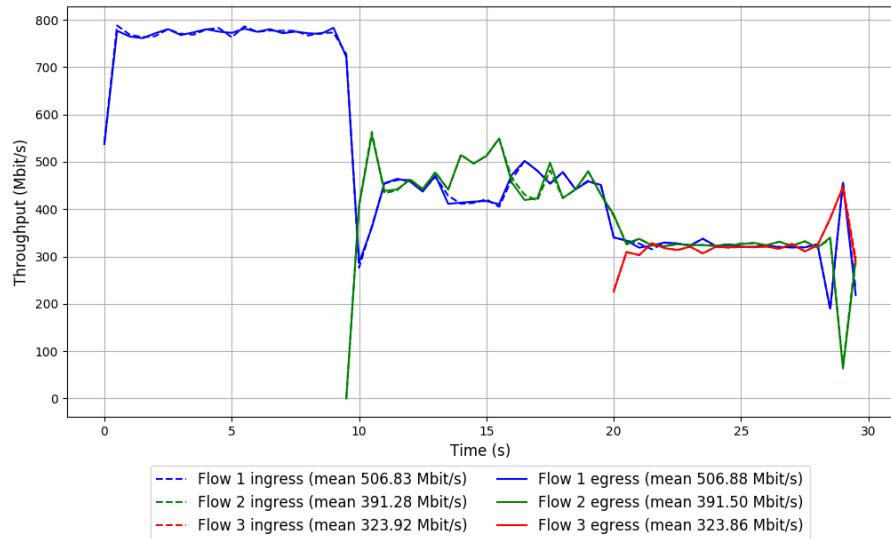


Run 9: Statistics of TCP BBR

```
Start at: 2018-03-06 16:12:44
End at: 2018-03-06 16:13:14
Local clock offset: -1.45 ms
Remote clock offset: 1.794 ms

# Below is generated by plot.py at 2018-03-06 22:21:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 874.96 Mbit/s
95th percentile per-packet one-way delay: 16.122 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 506.88 Mbit/s
95th percentile per-packet one-way delay: 17.843 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 391.50 Mbit/s
95th percentile per-packet one-way delay: 17.780 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 323.86 Mbit/s
95th percentile per-packet one-way delay: 4.567 ms
Loss rate: 0.24%
```

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

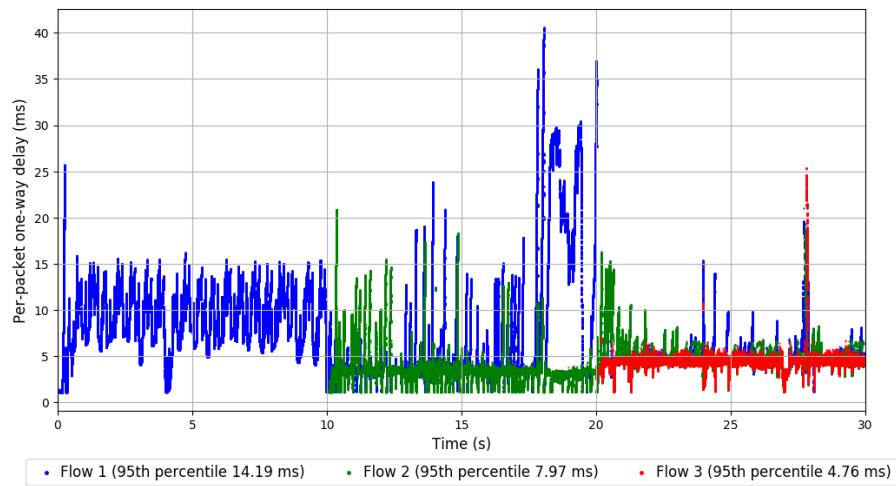
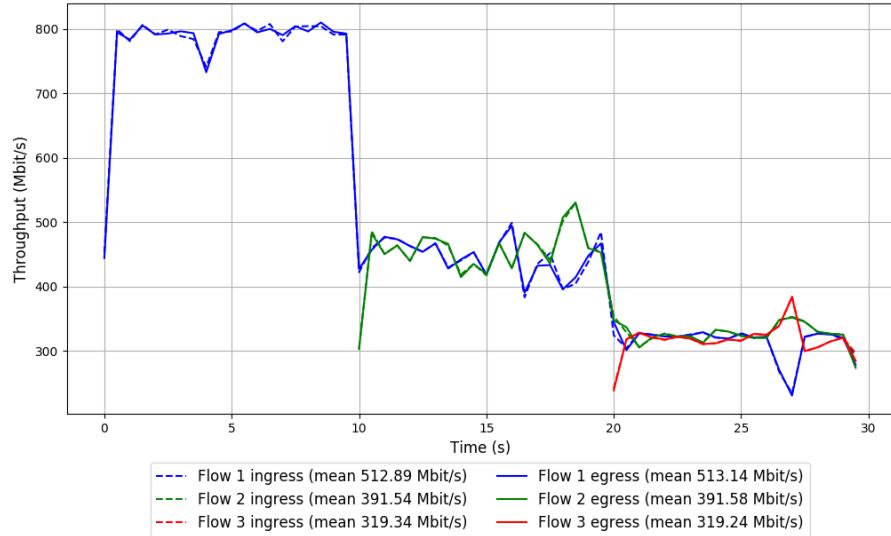


Run 10: Statistics of TCP BBR

```
Start at: 2018-03-06 16:41:49
End at: 2018-03-06 16:42:19
Local clock offset: -5.929 ms
Remote clock offset: 1.924 ms

# Below is generated by plot.py at 2018-03-06 22:21:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 879.26 Mbit/s
95th percentile per-packet one-way delay: 13.077 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 513.14 Mbit/s
95th percentile per-packet one-way delay: 14.192 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 391.58 Mbit/s
95th percentile per-packet one-way delay: 7.966 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 319.24 Mbit/s
95th percentile per-packet one-way delay: 4.757 ms
Loss rate: 0.23%
```

## Run 10: Report of TCP BBR — Data Link

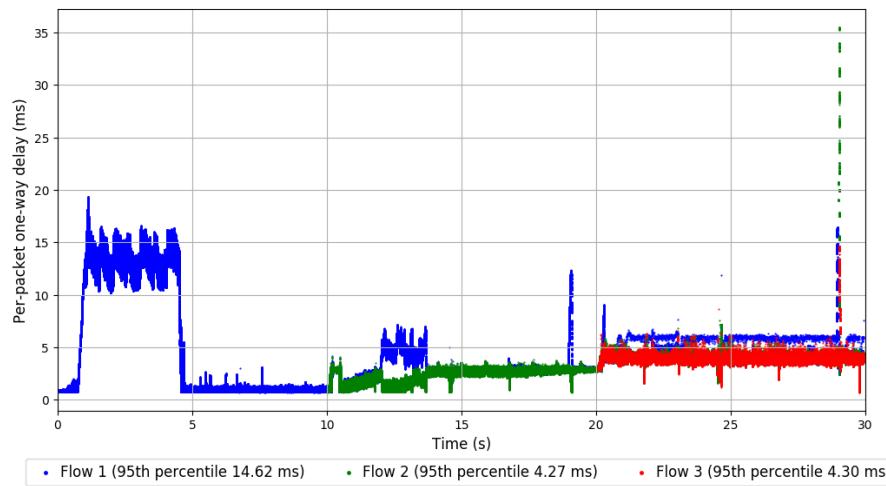
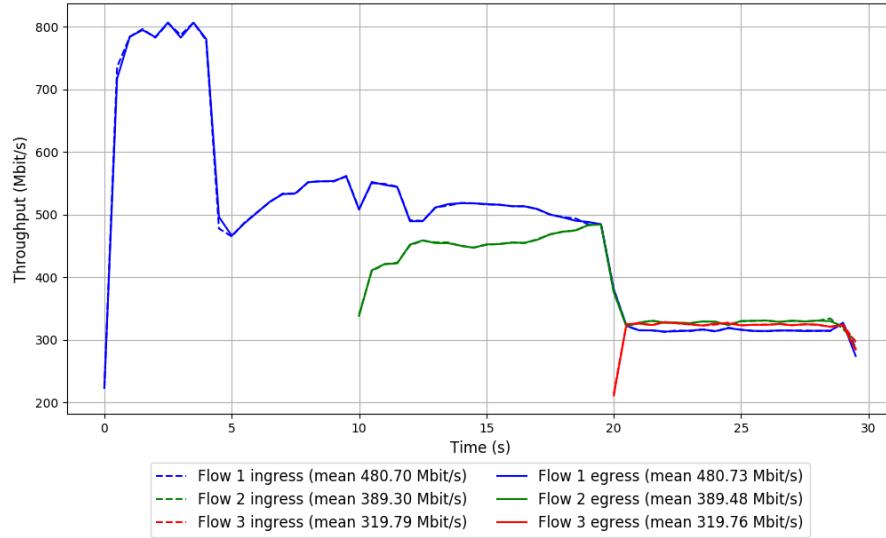


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-03-06 11:46:33
End at: 2018-03-06 11:47:03
Local clock offset: 4.819 ms
Remote clock offset: 4.365 ms

# Below is generated by plot.py at 2018-03-06 22:21:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 845.76 Mbit/s
95th percentile per-packet one-way delay: 13.622 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 480.73 Mbit/s
95th percentile per-packet one-way delay: 14.615 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 389.48 Mbit/s
95th percentile per-packet one-way delay: 4.266 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 319.76 Mbit/s
95th percentile per-packet one-way delay: 4.299 ms
Loss rate: 0.23%
```

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

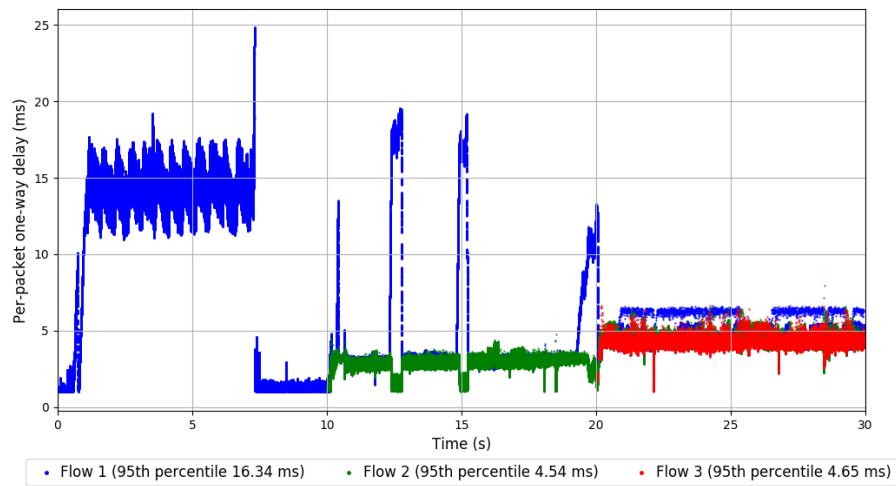
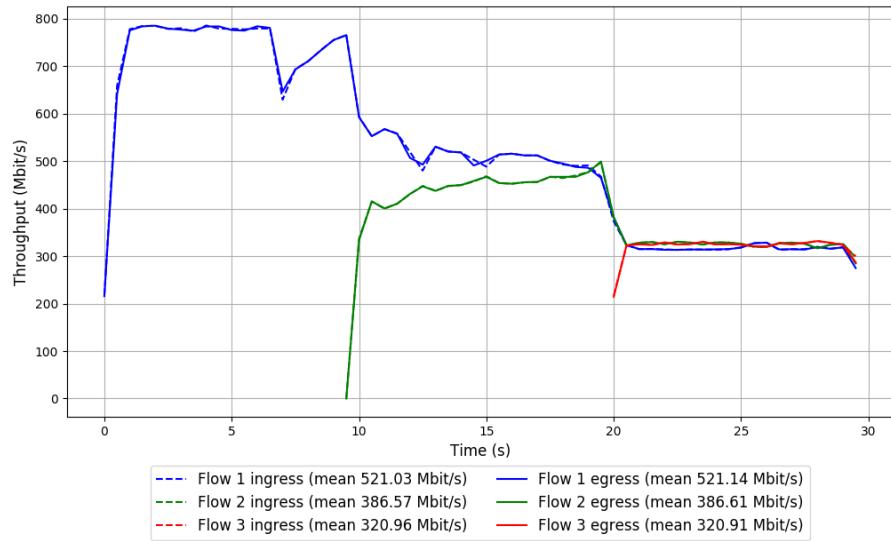


Run 2: Statistics of TCP Cubic

```
Start at: 2018-03-06 12:16:19
End at: 2018-03-06 12:16:49
Local clock offset: -4.35 ms
Remote clock offset: 5.867 ms

# Below is generated by plot.py at 2018-03-06 22:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 884.84 Mbit/s
95th percentile per-packet one-way delay: 15.583 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 521.14 Mbit/s
95th percentile per-packet one-way delay: 16.336 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 386.61 Mbit/s
95th percentile per-packet one-way delay: 4.540 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.91 Mbit/s
95th percentile per-packet one-way delay: 4.653 ms
Loss rate: 0.24%
```

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

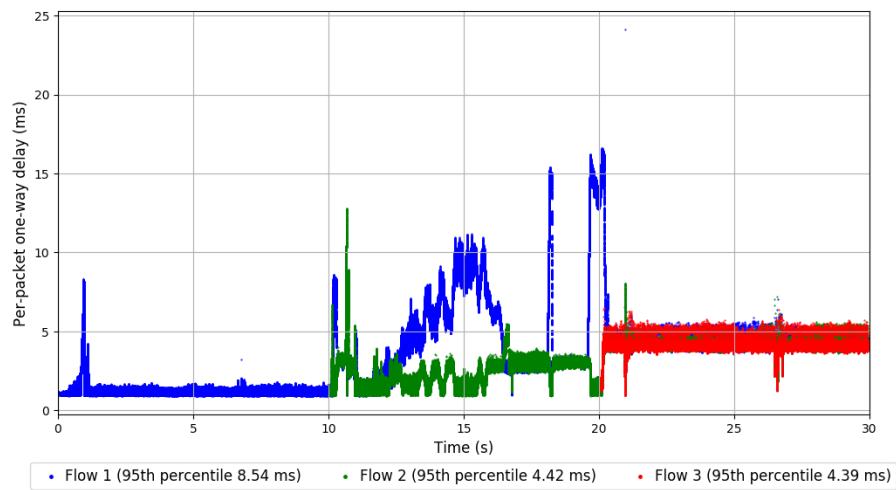
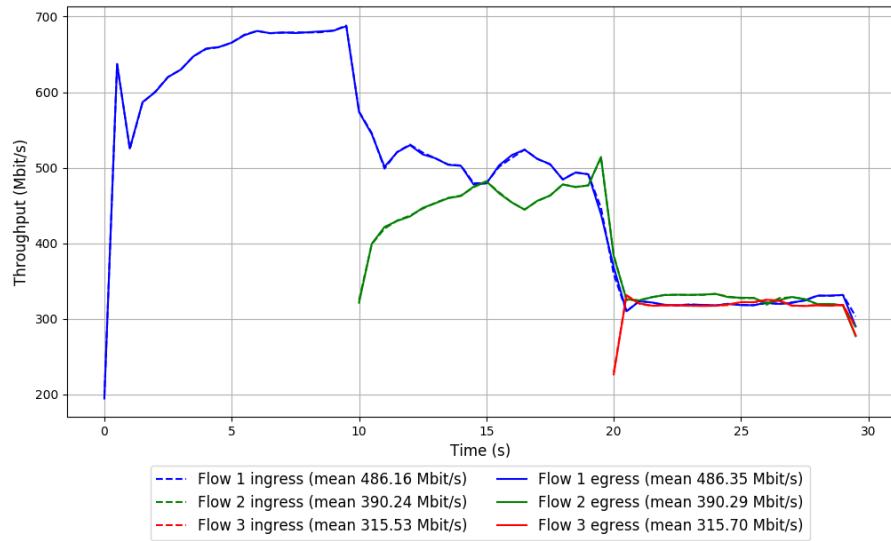


Run 3: Statistics of TCP Cubic

```
Start at: 2018-03-06 12:45:56
End at: 2018-03-06 12:46:26
Local clock offset: -4.758 ms
Remote clock offset: 5.462 ms

# Below is generated by plot.py at 2018-03-06 22:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 850.78 Mbit/s
95th percentile per-packet one-way delay: 6.569 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 486.35 Mbit/s
95th percentile per-packet one-way delay: 8.535 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.29 Mbit/s
95th percentile per-packet one-way delay: 4.424 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.70 Mbit/s
95th percentile per-packet one-way delay: 4.391 ms
Loss rate: 0.24%
```

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

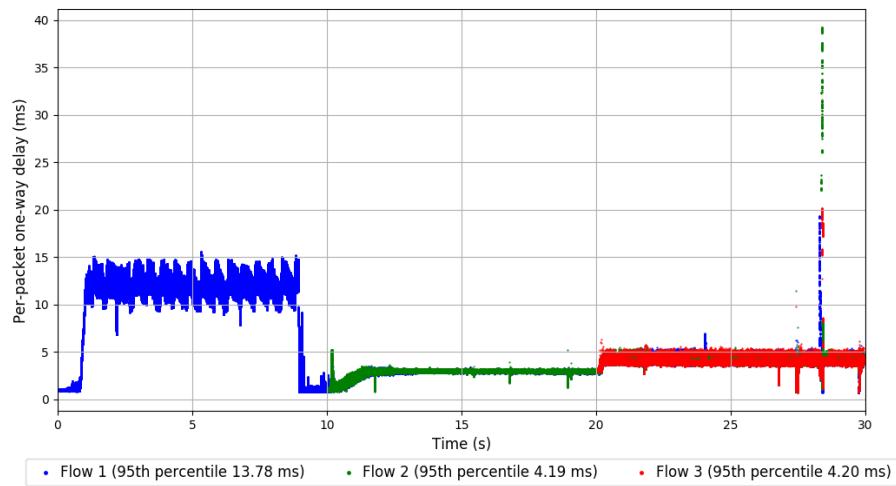
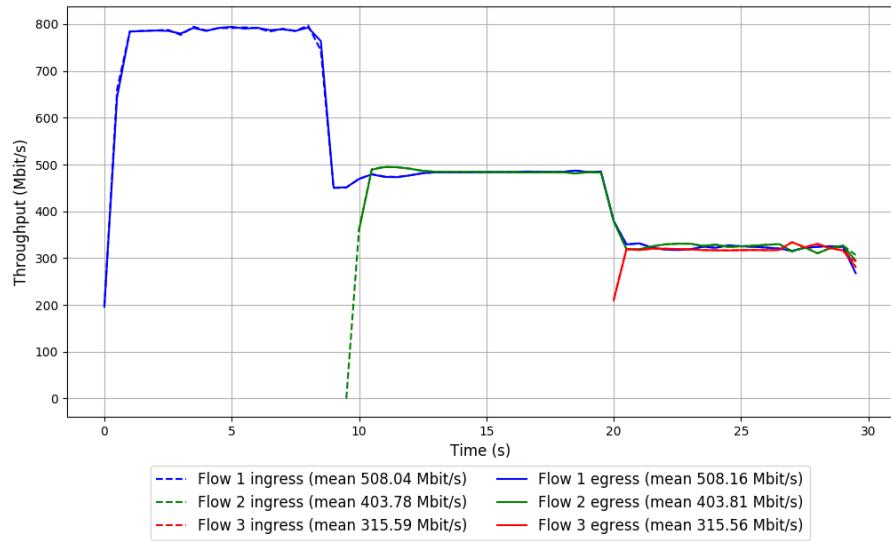


Run 4: Statistics of TCP Cubic

```
Start at: 2018-03-06 13:15:17
End at: 2018-03-06 13:15:47
Local clock offset: -4.745 ms
Remote clock offset: 3.135 ms

# Below is generated by plot.py at 2018-03-06 22:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 881.50 Mbit/s
95th percentile per-packet one-way delay: 13.320 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 508.16 Mbit/s
95th percentile per-packet one-way delay: 13.776 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 403.81 Mbit/s
95th percentile per-packet one-way delay: 4.190 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.56 Mbit/s
95th percentile per-packet one-way delay: 4.202 ms
Loss rate: 0.23%
```

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

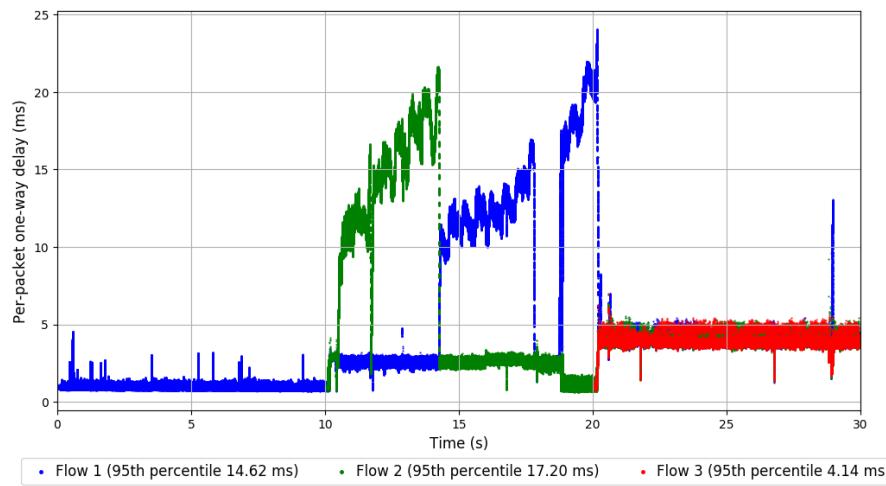
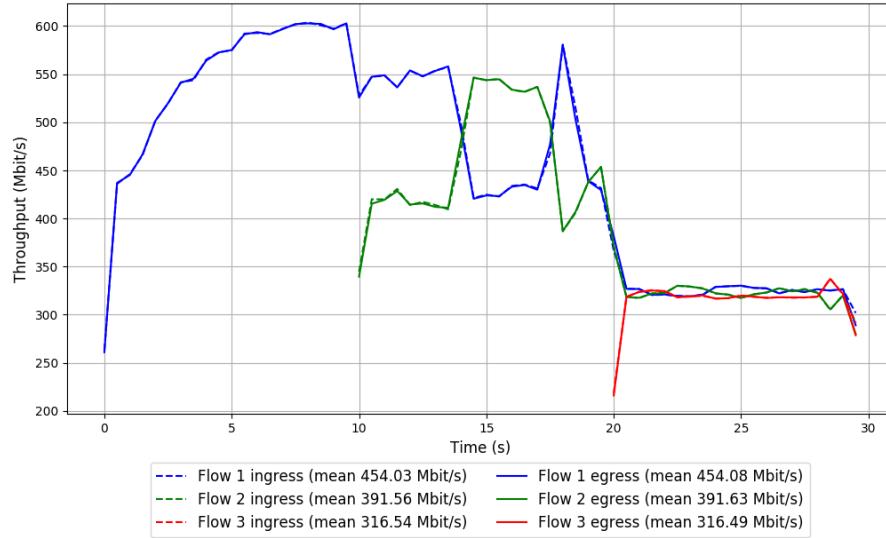


Run 5: Statistics of TCP Cubic

```
Start at: 2018-03-06 13:44:27
End at: 2018-03-06 13:44:57
Local clock offset: -0.473 ms
Remote clock offset: -1.042 ms

# Below is generated by plot.py at 2018-03-06 22:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 819.44 Mbit/s
95th percentile per-packet one-way delay: 15.951 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 454.08 Mbit/s
95th percentile per-packet one-way delay: 14.620 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 391.63 Mbit/s
95th percentile per-packet one-way delay: 17.205 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.49 Mbit/s
95th percentile per-packet one-way delay: 4.143 ms
Loss rate: 0.24%
```

## Run 5: Report of TCP Cubic — Data Link

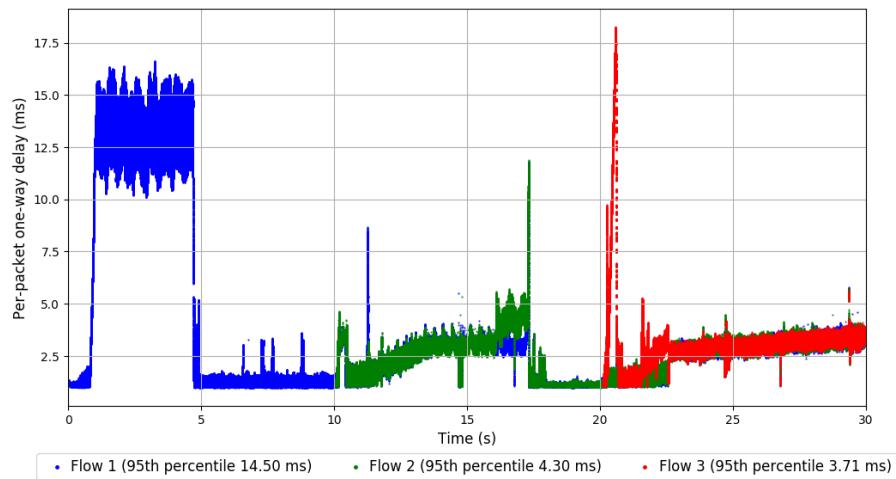
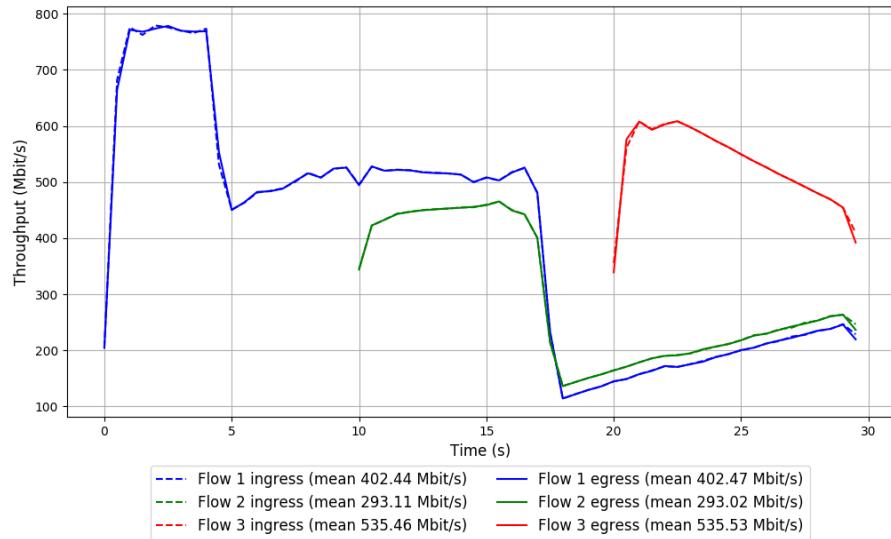


Run 6: Statistics of TCP Cubic

```
Start at: 2018-03-06 14:14:01
End at: 2018-03-06 14:14:31
Local clock offset: 3.982 ms
Remote clock offset: 0.544 ms

# Below is generated by plot.py at 2018-03-06 22:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 774.01 Mbit/s
95th percentile per-packet one-way delay: 13.619 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 402.47 Mbit/s
95th percentile per-packet one-way delay: 14.500 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 293.02 Mbit/s
95th percentile per-packet one-way delay: 4.300 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 535.53 Mbit/s
95th percentile per-packet one-way delay: 3.705 ms
Loss rate: 0.19%
```

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

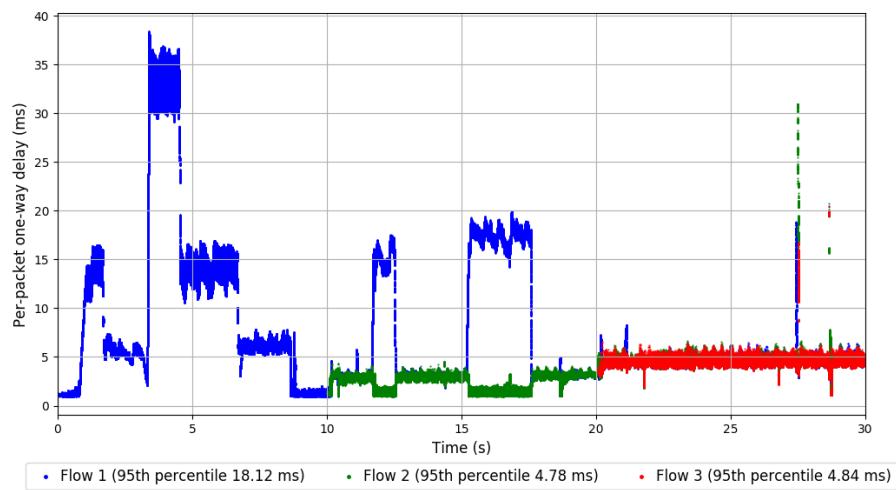
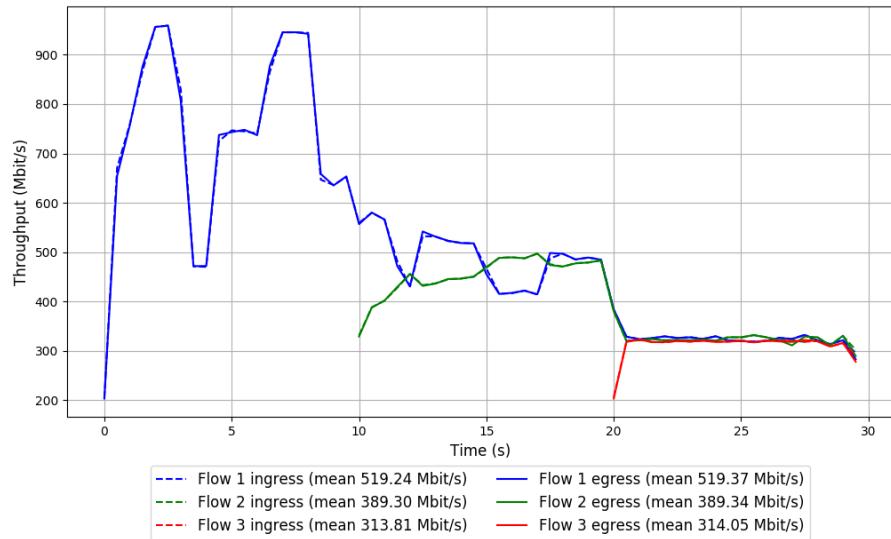


Run 7: Statistics of TCP Cubic

```
Start at: 2018-03-06 14:43:26
End at: 2018-03-06 14:43:56
Local clock offset: 5.38 ms
Remote clock offset: 1.929 ms

# Below is generated by plot.py at 2018-03-06 22:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 882.39 Mbit/s
95th percentile per-packet one-way delay: 16.914 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 519.37 Mbit/s
95th percentile per-packet one-way delay: 18.117 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 389.34 Mbit/s
95th percentile per-packet one-way delay: 4.781 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 314.05 Mbit/s
95th percentile per-packet one-way delay: 4.837 ms
Loss rate: 0.24%
```

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

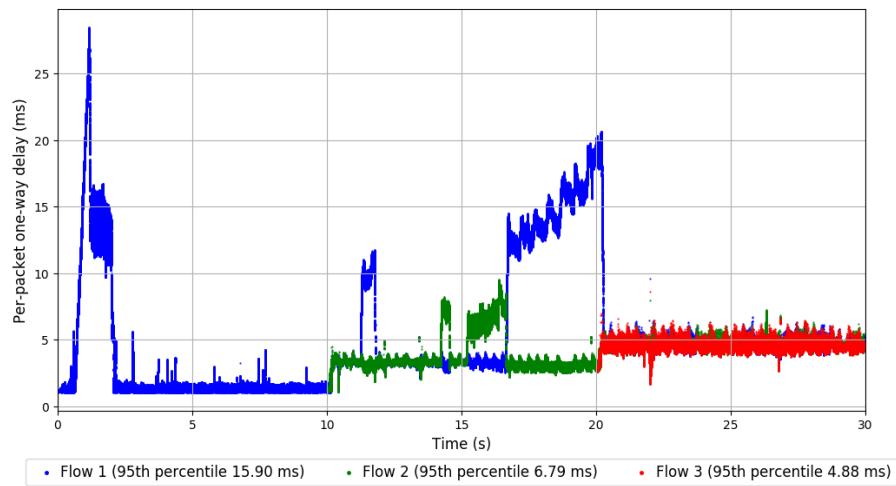
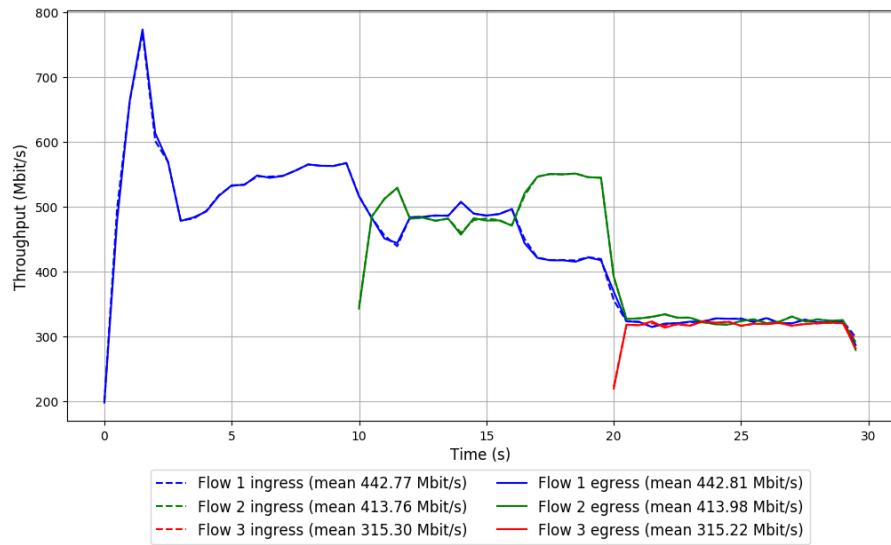


Run 8: Statistics of TCP Cubic

```
Start at: 2018-03-06 15:18:02
End at: 2018-03-06 15:18:32
Local clock offset: 0.831 ms
Remote clock offset: 2.222 ms

# Below is generated by plot.py at 2018-03-06 22:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 822.77 Mbit/s
95th percentile per-packet one-way delay: 13.820 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 442.81 Mbit/s
95th percentile per-packet one-way delay: 15.898 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 413.98 Mbit/s
95th percentile per-packet one-way delay: 6.791 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.22 Mbit/s
95th percentile per-packet one-way delay: 4.885 ms
Loss rate: 0.24%
```

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

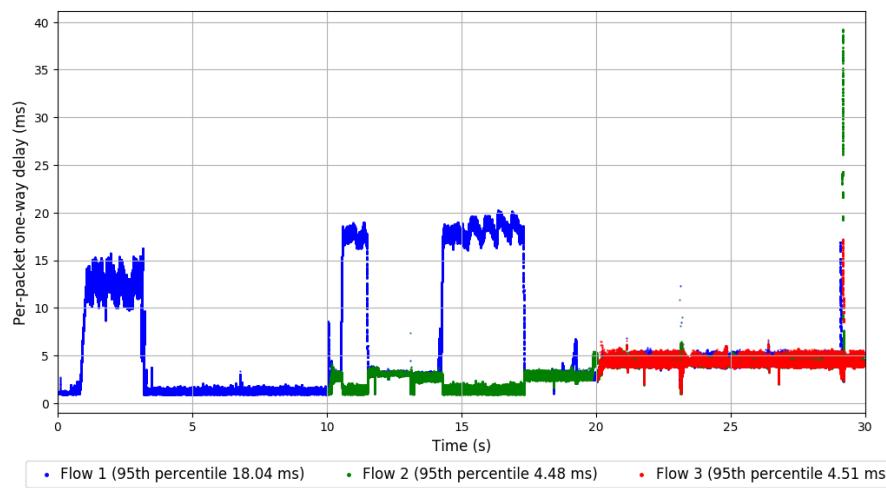
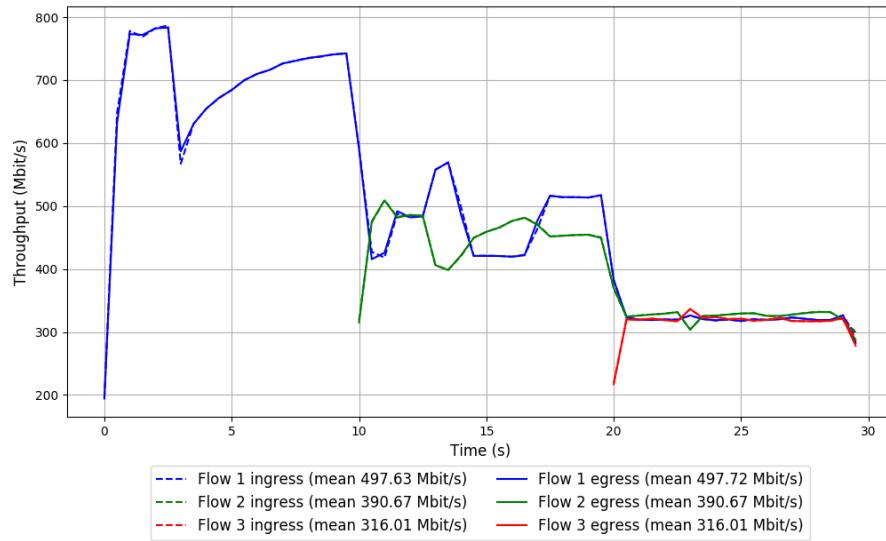


Run 9: Statistics of TCP Cubic

```
Start at: 2018-03-06 15:47:01
End at: 2018-03-06 15:47:31
Local clock offset: 0.592 ms
Remote clock offset: 2.301 ms

# Below is generated by plot.py at 2018-03-06 22:32:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 862.44 Mbit/s
95th percentile per-packet one-way delay: 17.428 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 497.72 Mbit/s
95th percentile per-packet one-way delay: 18.039 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.67 Mbit/s
95th percentile per-packet one-way delay: 4.481 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.01 Mbit/s
95th percentile per-packet one-way delay: 4.515 ms
Loss rate: 0.23%
```

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

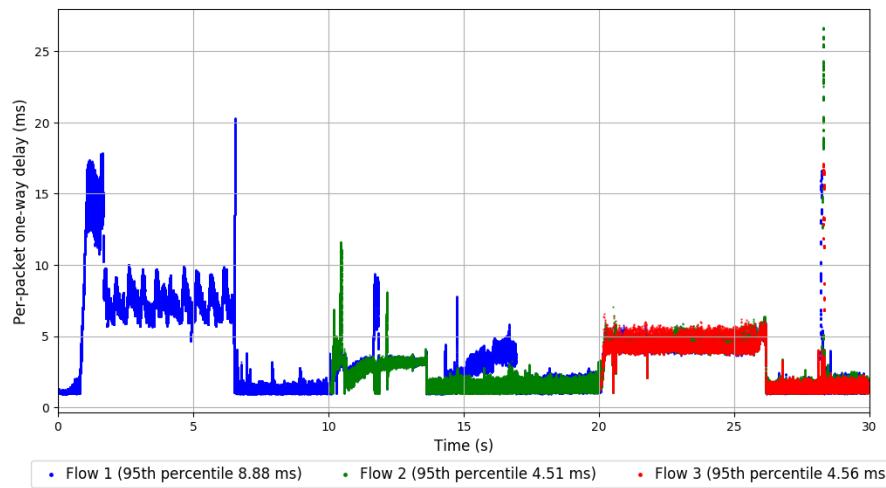
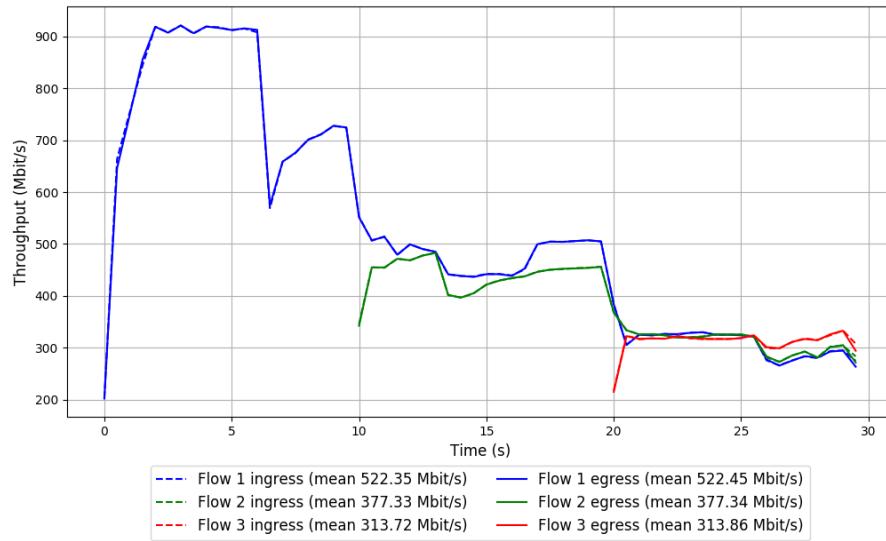


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-03-06 16:16:13
End at: 2018-03-06 16:16:43
Local clock offset: -1.683 ms
Remote clock offset: 1.726 ms

# Below is generated by plot.py at 2018-03-06 22:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 877.21 Mbit/s
95th percentile per-packet one-way delay: 8.173 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 522.45 Mbit/s
95th percentile per-packet one-way delay: 8.878 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 377.34 Mbit/s
95th percentile per-packet one-way delay: 4.514 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.86 Mbit/s
95th percentile per-packet one-way delay: 4.557 ms
Loss rate: 0.23%
```

Run 10: Report of TCP Cubic — Data Link

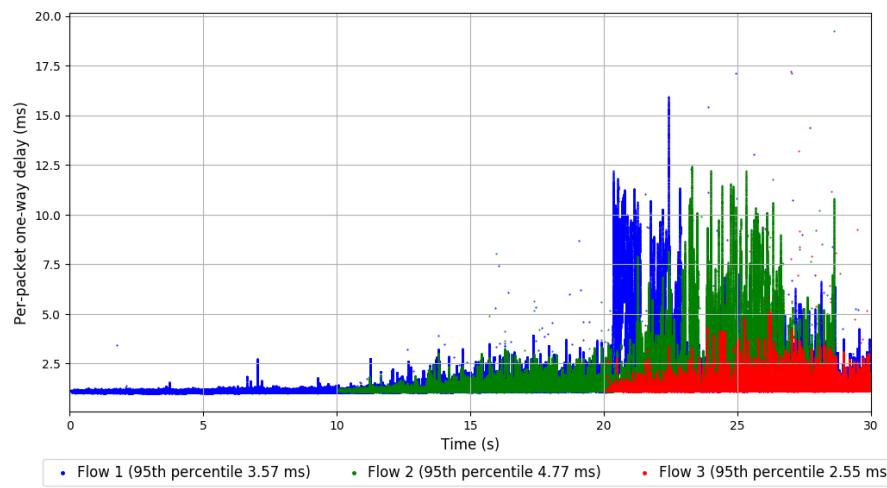
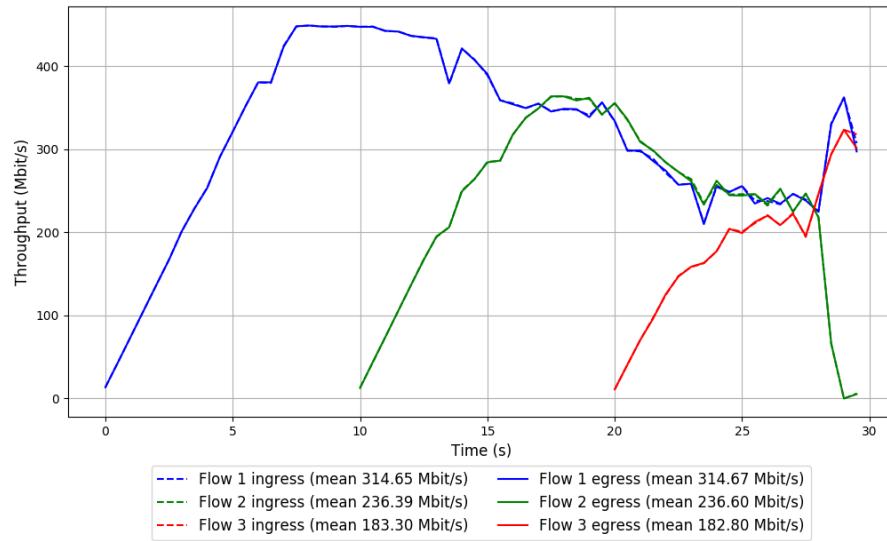


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-06 12:11:04
End at: 2018-03-06 12:11:34
Local clock offset: -3.579 ms
Remote clock offset: 5.611 ms

# Below is generated by plot.py at 2018-03-06 22:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.36 Mbit/s
95th percentile per-packet one-way delay: 3.830 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 314.67 Mbit/s
95th percentile per-packet one-way delay: 3.570 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 236.60 Mbit/s
95th percentile per-packet one-way delay: 4.772 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 182.80 Mbit/s
95th percentile per-packet one-way delay: 2.550 ms
Loss rate: 0.46%
```

Run 1: Report of LEDBAT — Data Link

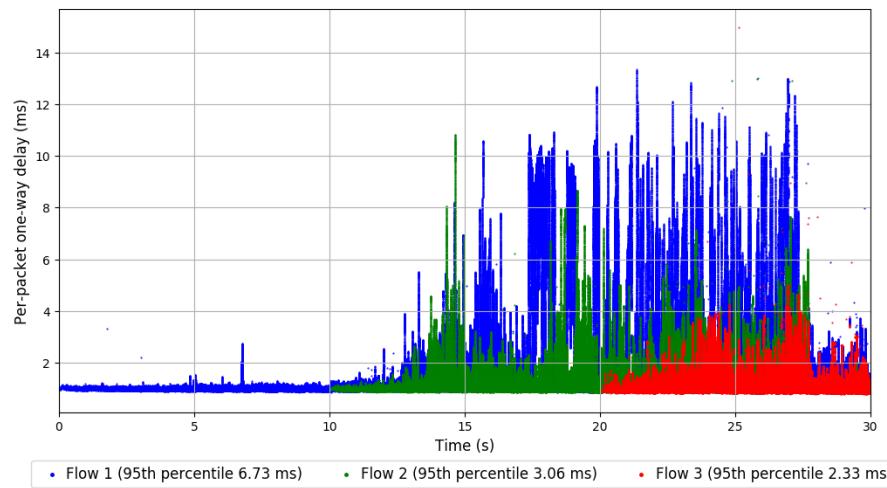
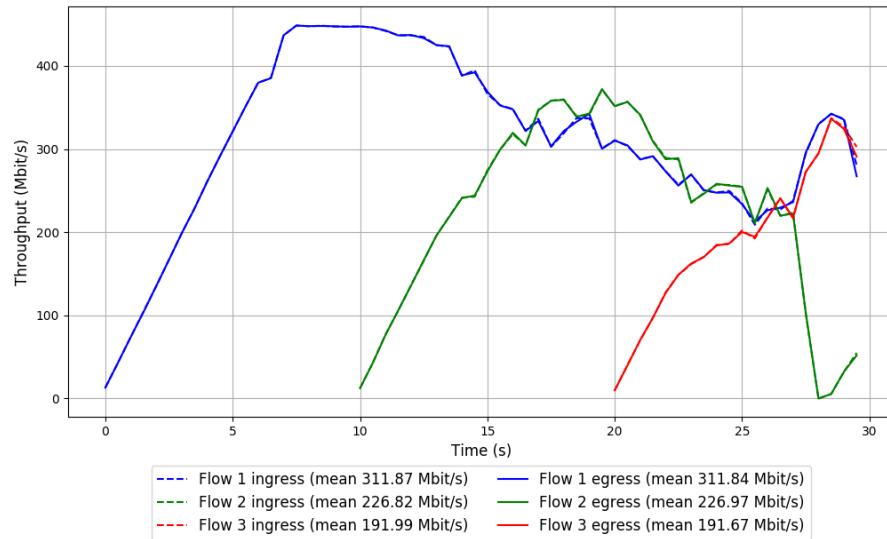


Run 2: Statistics of LEDBAT

```
Start at: 2018-03-06 12:40:40
End at: 2018-03-06 12:41:10
Local clock offset: -4.749 ms
Remote clock offset: 6.309 ms

# Below is generated by plot.py at 2018-03-06 22:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 525.98 Mbit/s
95th percentile per-packet one-way delay: 5.070 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 311.84 Mbit/s
95th percentile per-packet one-way delay: 6.726 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 226.97 Mbit/s
95th percentile per-packet one-way delay: 3.061 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 191.67 Mbit/s
95th percentile per-packet one-way delay: 2.328 ms
Loss rate: 0.39%
```

Run 2: Report of LEDBAT — Data Link

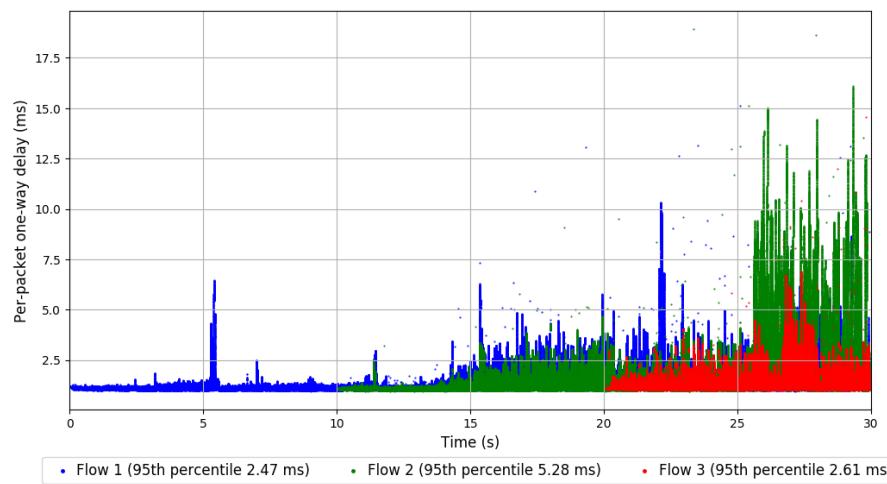
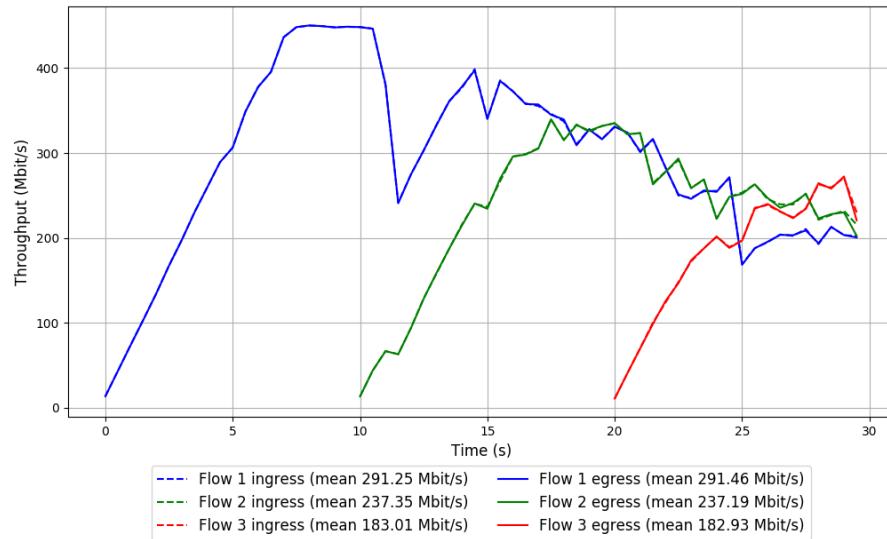


Run 3: Statistics of LEDBAT

```
Start at: 2018-03-06 13:10:01
End at: 2018-03-06 13:10:31
Local clock offset: -4.702 ms
Remote clock offset: 4.488 ms

# Below is generated by plot.py at 2018-03-06 22:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 509.64 Mbit/s
95th percentile per-packet one-way delay: 3.070 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 291.46 Mbit/s
95th percentile per-packet one-way delay: 2.472 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 237.19 Mbit/s
95th percentile per-packet one-way delay: 5.276 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 182.93 Mbit/s
95th percentile per-packet one-way delay: 2.608 ms
Loss rate: 0.26%
```

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

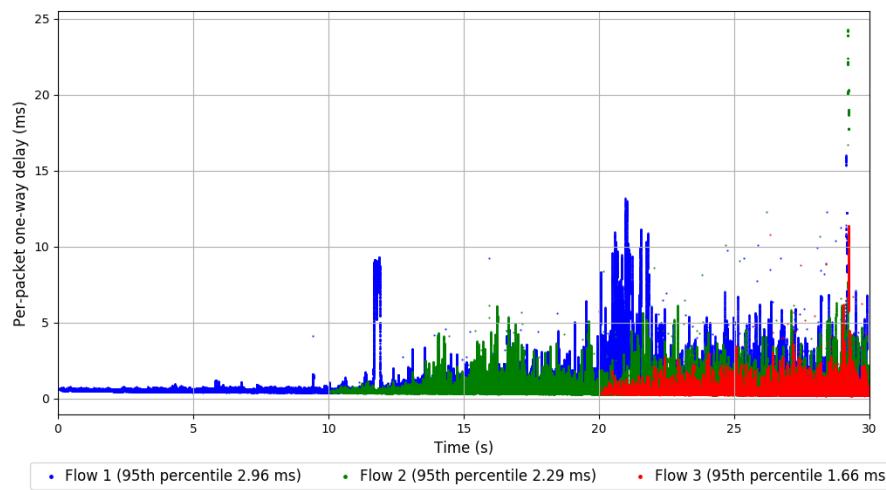
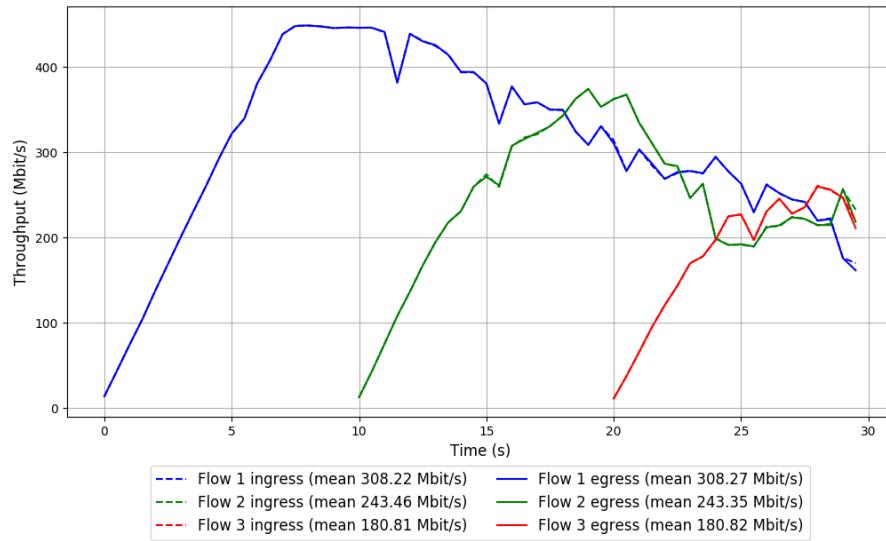


Run 4: Statistics of LEDBAT

```
Start at: 2018-03-06 13:39:10
End at: 2018-03-06 13:39:40
Local clock offset: -2.923 ms
Remote clock offset: -0.64 ms

# Below is generated by plot.py at 2018-03-06 22:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.85 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 308.27 Mbit/s
95th percentile per-packet one-way delay: 2.962 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 243.35 Mbit/s
95th percentile per-packet one-way delay: 2.289 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 180.82 Mbit/s
95th percentile per-packet one-way delay: 1.662 ms
Loss rate: 0.25%
```

Run 4: Report of LEDBAT — Data Link

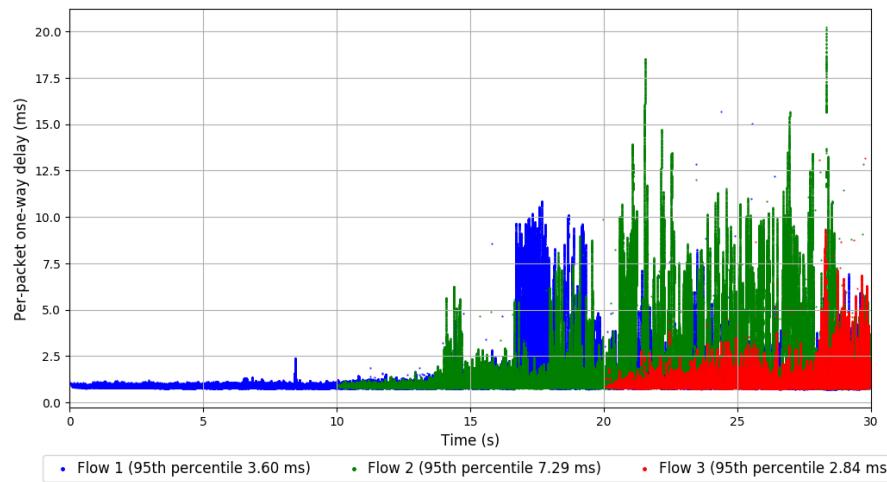
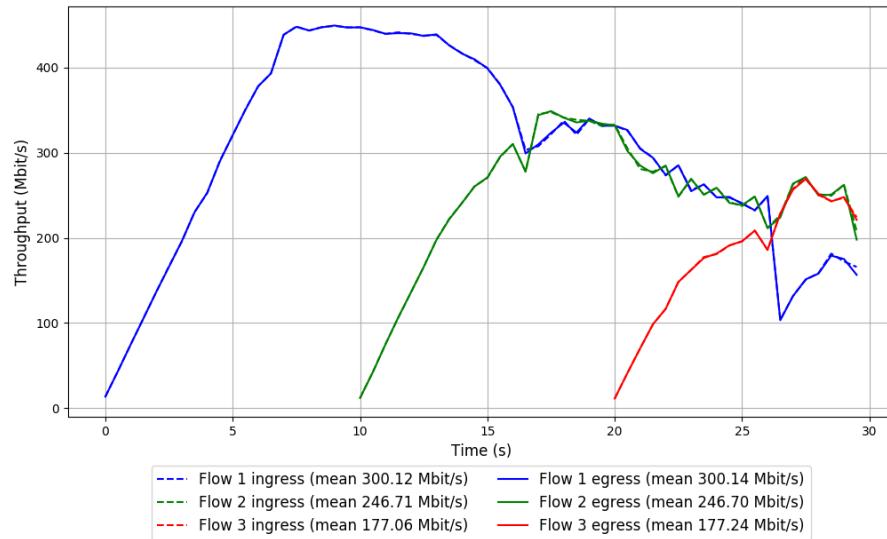


Run 5: Statistics of LEDBAT

```
Start at: 2018-03-06 14:08:49
End at: 2018-03-06 14:09:19
Local clock offset: 4.027 ms
Remote clock offset: 0.573 ms

# Below is generated by plot.py at 2018-03-06 22:36:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 522.77 Mbit/s
95th percentile per-packet one-way delay: 5.349 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 300.14 Mbit/s
95th percentile per-packet one-way delay: 3.601 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 246.70 Mbit/s
95th percentile per-packet one-way delay: 7.286 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 177.24 Mbit/s
95th percentile per-packet one-way delay: 2.838 ms
Loss rate: 0.10%
```

Run 5: Report of LEDBAT — Data Link

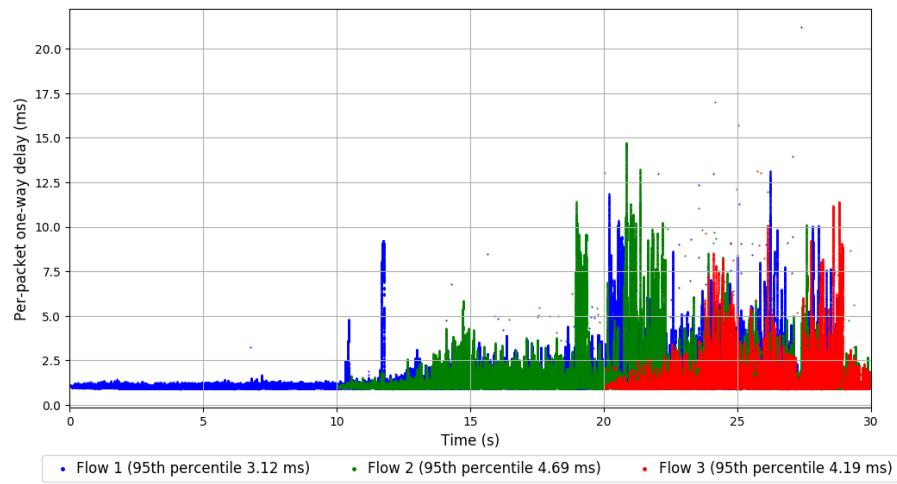
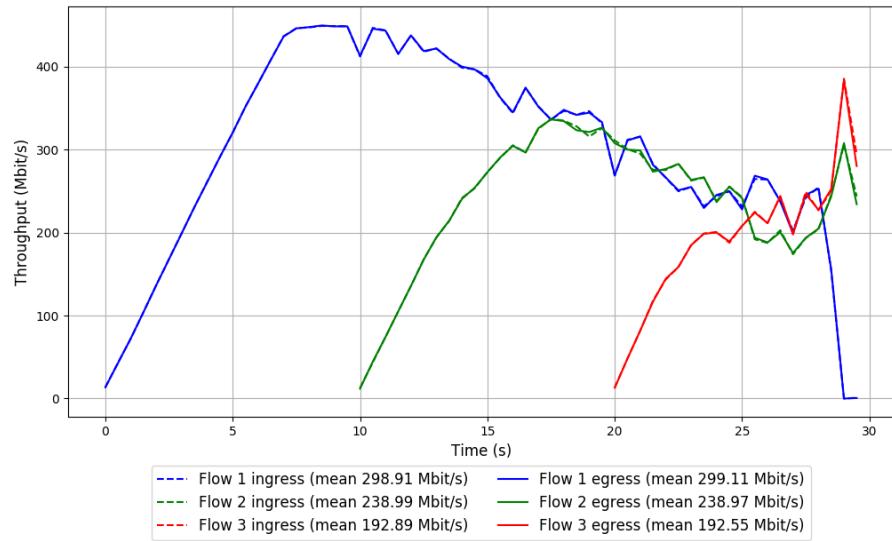


Run 6: Statistics of LEDBAT

```
Start at: 2018-03-06 14:38:15
End at: 2018-03-06 14:38:45
Local clock offset: 4.947 ms
Remote clock offset: 1.826 ms

# Below is generated by plot.py at 2018-03-06 22:36:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 521.64 Mbit/s
95th percentile per-packet one-way delay: 3.659 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 299.11 Mbit/s
95th percentile per-packet one-way delay: 3.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 238.97 Mbit/s
95th percentile per-packet one-way delay: 4.693 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 192.55 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.41%
```

Run 6: Report of LEDBAT — Data Link

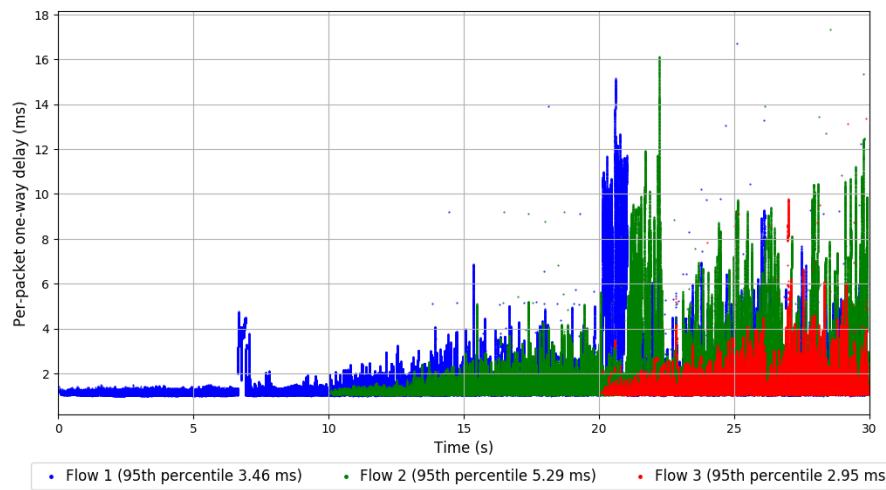
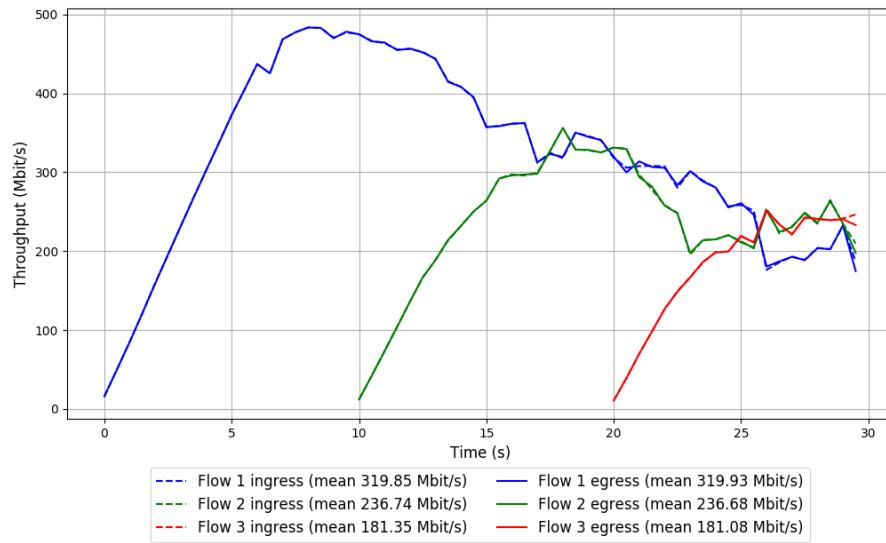


Run 7: Statistics of LEDBAT

```
Start at: 2018-03-06 15:12:47
End at: 2018-03-06 15:13:17
Local clock offset: 0.862 ms
Remote clock offset: 2.189 ms

# Below is generated by plot.py at 2018-03-06 22:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 536.95 Mbit/s
95th percentile per-packet one-way delay: 3.914 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 319.93 Mbit/s
95th percentile per-packet one-way delay: 3.464 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 236.68 Mbit/s
95th percentile per-packet one-way delay: 5.287 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 181.08 Mbit/s
95th percentile per-packet one-way delay: 2.950 ms
Loss rate: 0.40%
```

## Run 7: Report of LEDBAT — Data Link

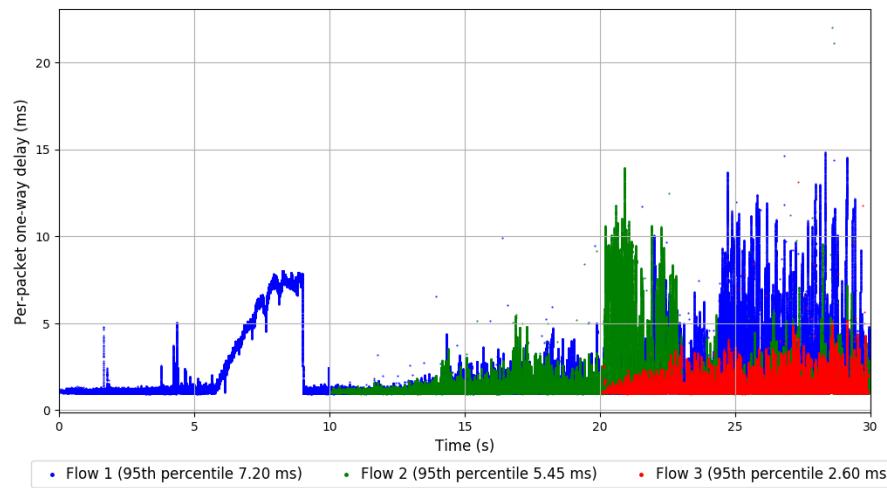
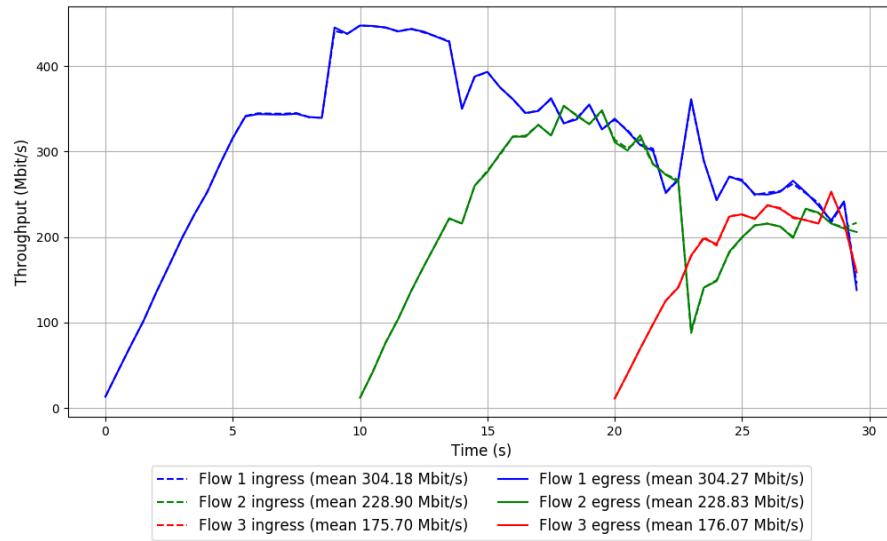


Run 8: Statistics of LEDBAT

```
Start at: 2018-03-06 15:41:50
End at: 2018-03-06 15:42:20
Local clock offset: 0.682 ms
Remote clock offset: 2.344 ms

# Below is generated by plot.py at 2018-03-06 22:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 514.59 Mbit/s
95th percentile per-packet one-way delay: 6.672 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 304.27 Mbit/s
95th percentile per-packet one-way delay: 7.195 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 228.83 Mbit/s
95th percentile per-packet one-way delay: 5.451 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 176.07 Mbit/s
95th percentile per-packet one-way delay: 2.599 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

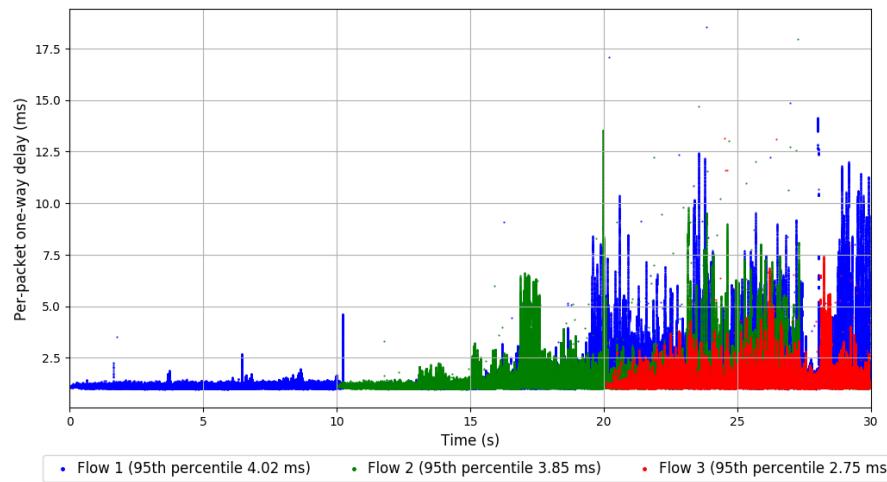
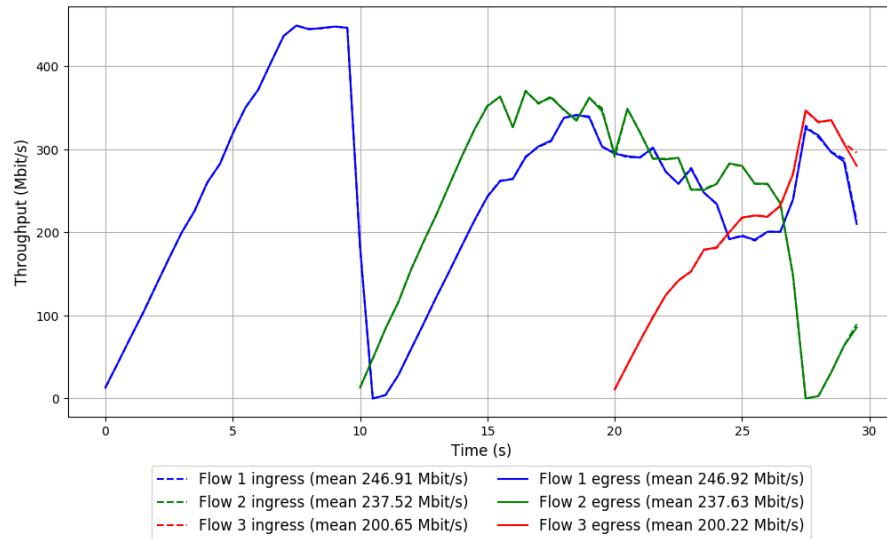


Run 9: Statistics of LEDBAT

```
Start at: 2018-03-06 16:11:03
End at: 2018-03-06 16:11:33
Local clock offset: -1.346 ms
Remote clock offset: 1.916 ms

# Below is generated by plot.py at 2018-03-06 22:38:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.10 Mbit/s
95th percentile per-packet one-way delay: 3.743 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 246.92 Mbit/s
95th percentile per-packet one-way delay: 4.019 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 237.63 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 200.22 Mbit/s
95th percentile per-packet one-way delay: 2.748 ms
Loss rate: 0.41%
```

Run 9: Report of LEDBAT — Data Link

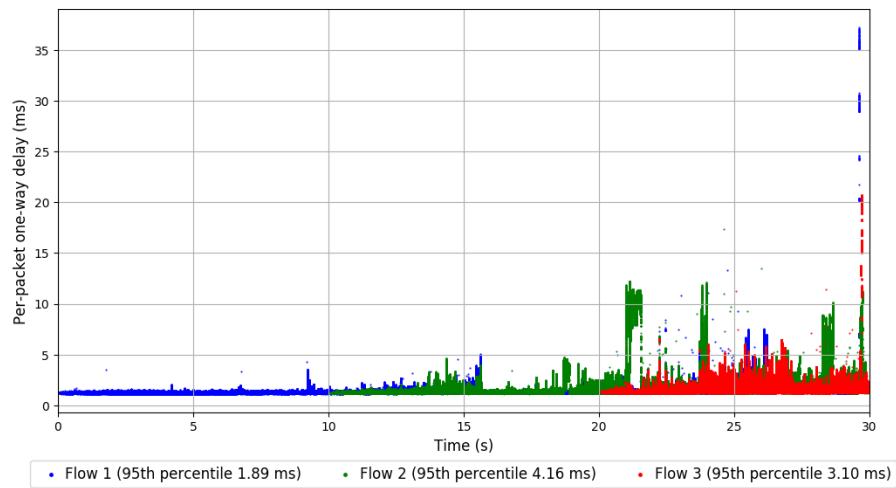
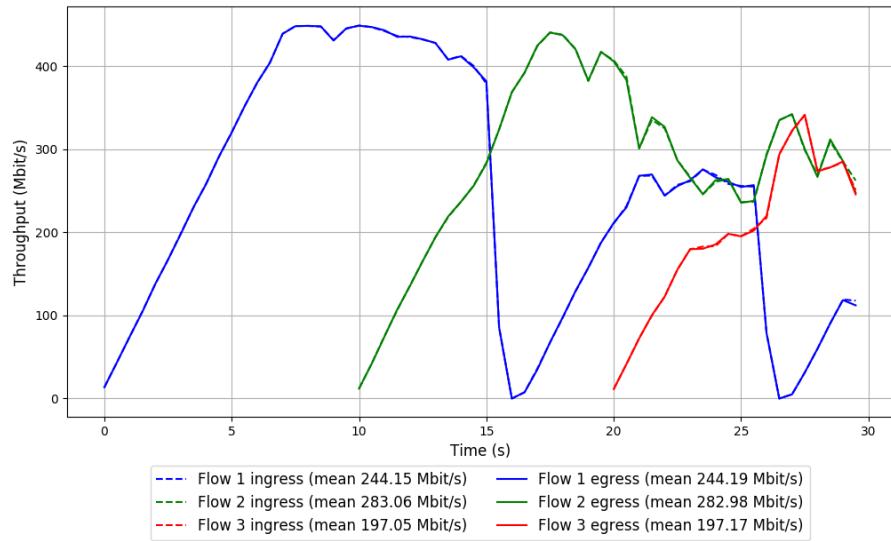


Run 10: Statistics of LEDBAT

```
Start at: 2018-03-06 16:40:04
End at: 2018-03-06 16:40:34
Local clock offset: -5.643 ms
Remote clock offset: 1.774 ms

# Below is generated by plot.py at 2018-03-06 22:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.55 Mbit/s
95th percentile per-packet one-way delay: 2.839 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 244.19 Mbit/s
95th percentile per-packet one-way delay: 1.887 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 282.98 Mbit/s
95th percentile per-packet one-way delay: 4.164 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 197.17 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.14%
```

Run 10: Report of LEDBAT — Data Link

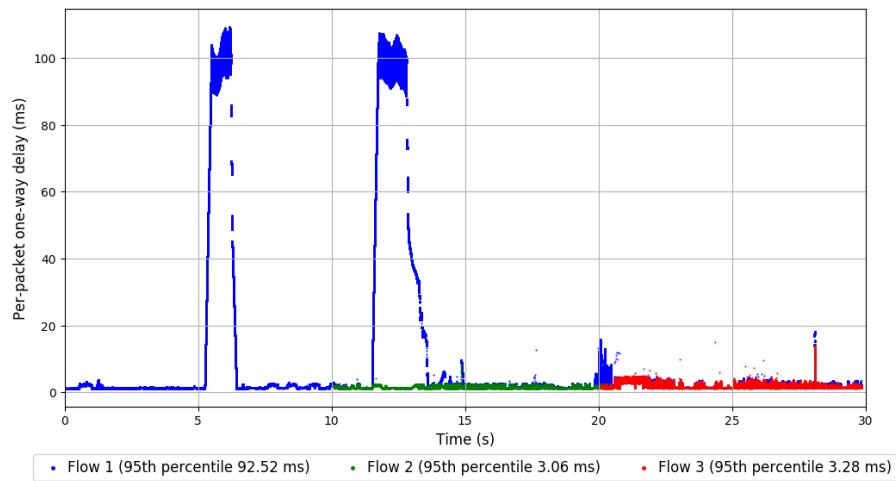
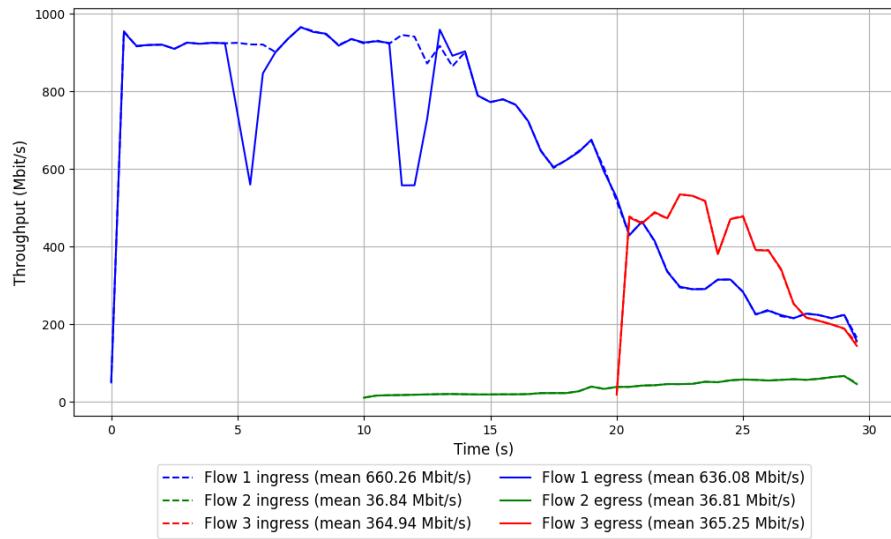


```
Run 1: Statistics of PCC

Start at: 2018-03-06 12:09:18
End at: 2018-03-06 12:09:48
Local clock offset: -3.177 ms
Remote clock offset: 5.455 ms

# Below is generated by plot.py at 2018-03-06 22:43:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 780.40 Mbit/s
95th percentile per-packet one-way delay: 63.987 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 636.08 Mbit/s
95th percentile per-packet one-way delay: 92.524 ms
Loss rate: 3.73%
-- Flow 2:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 3.061 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 365.25 Mbit/s
95th percentile per-packet one-way delay: 3.276 ms
Loss rate: 0.11%
```

## Run 1: Report of PCC — Data Link

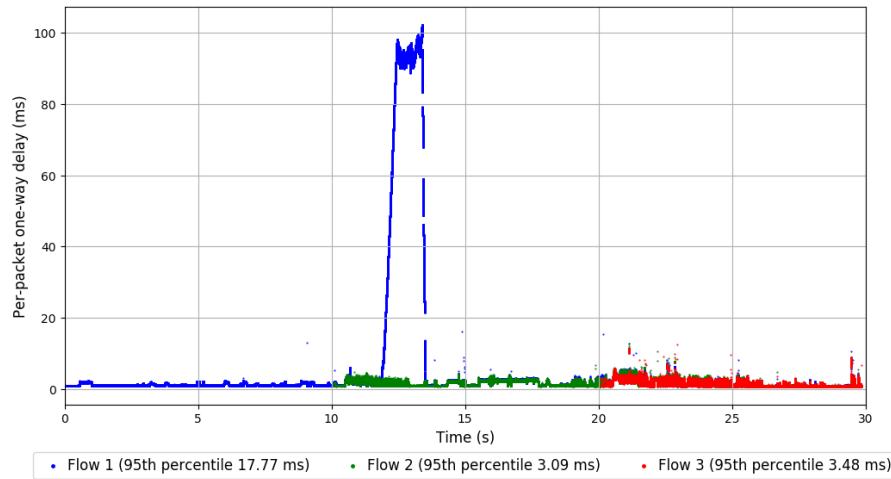
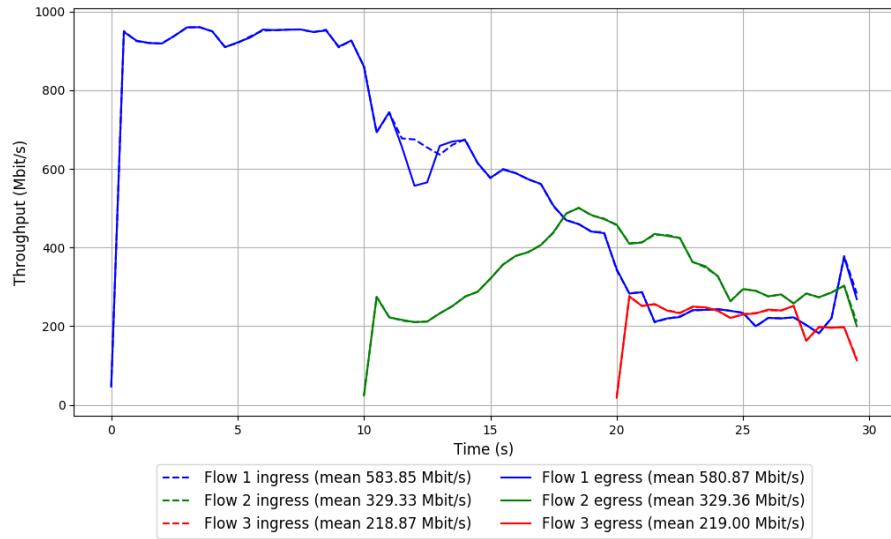


Run 2: Statistics of PCC

```
Start at: 2018-03-06 12:38:52
End at: 2018-03-06 12:39:22
Local clock offset: -4.774 ms
Remote clock offset: 6.751 ms

# Below is generated by plot.py at 2018-03-06 22:45:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 871.33 Mbit/s
95th percentile per-packet one-way delay: 3.557 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 580.87 Mbit/s
95th percentile per-packet one-way delay: 17.772 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 329.36 Mbit/s
95th percentile per-packet one-way delay: 3.088 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 219.00 Mbit/s
95th percentile per-packet one-way delay: 3.483 ms
Loss rate: 0.08%
```

## Run 2: Report of PCC — Data Link

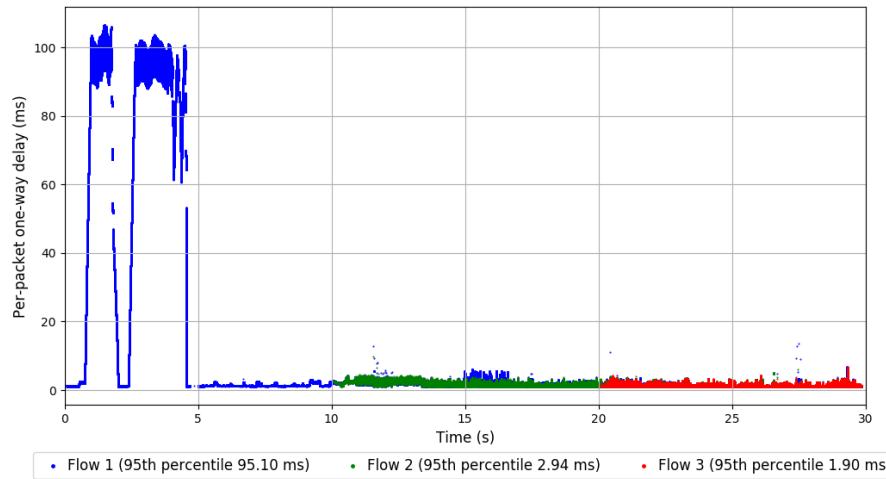
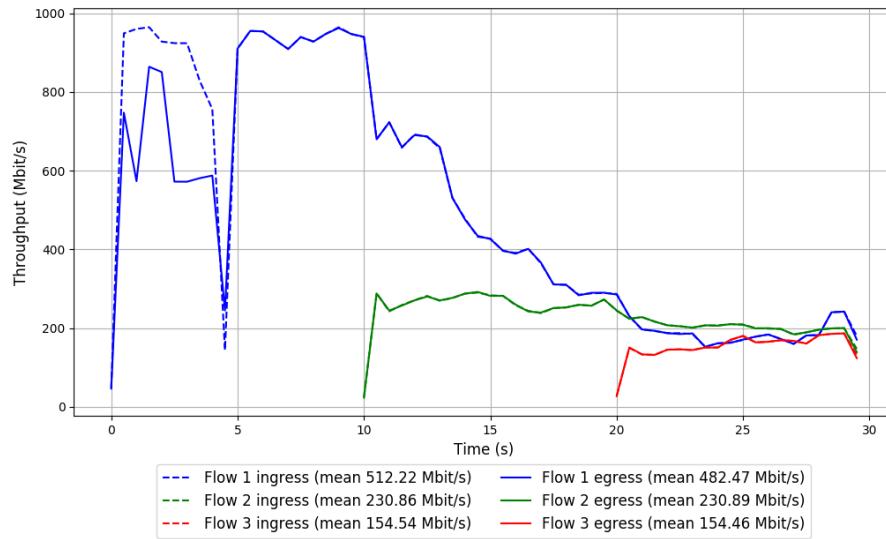


Run 3: Statistics of PCC

```
Start at: 2018-03-06 13:08:19
End at: 2018-03-06 13:08:49
Local clock offset: -4.711 ms
Remote clock offset: 4.494 ms

# Below is generated by plot.py at 2018-03-06 22:45:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 686.49 Mbit/s
95th percentile per-packet one-way delay: 92.438 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 482.47 Mbit/s
95th percentile per-packet one-way delay: 95.098 ms
Loss rate: 5.87%
-- Flow 2:
Average throughput: 230.89 Mbit/s
95th percentile per-packet one-way delay: 2.939 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 154.46 Mbit/s
95th percentile per-packet one-way delay: 1.900 ms
Loss rate: 0.25%
```

### Run 3: Report of PCC — Data Link

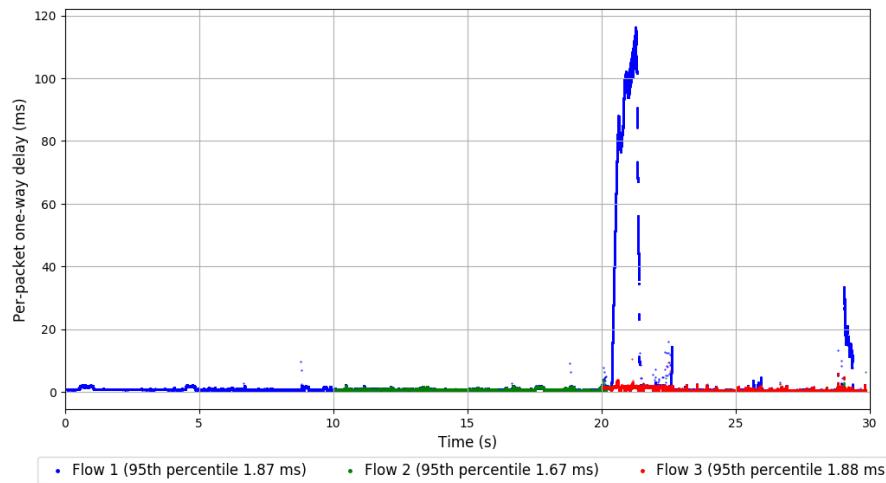
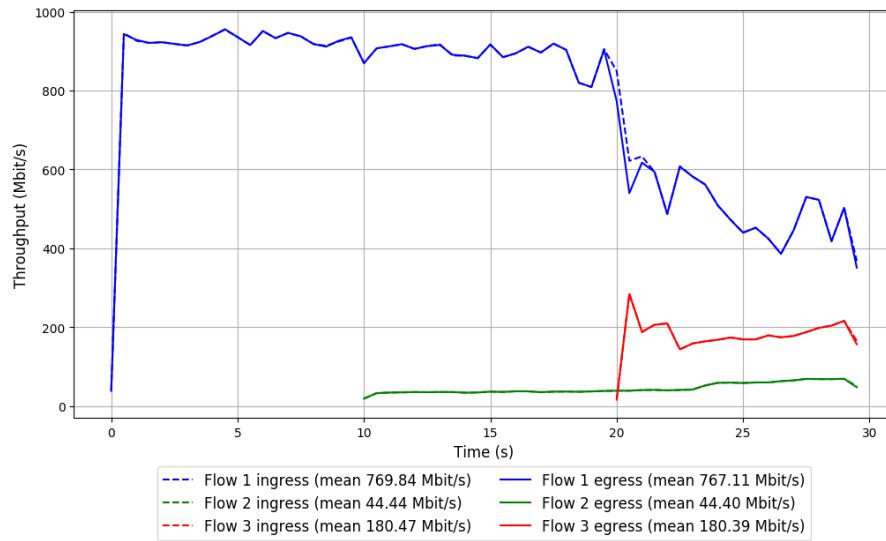


Run 4: Statistics of PCC

```
Start at: 2018-03-06 13:37:27
End at: 2018-03-06 13:37:57
Local clock offset: -3.746 ms
Remote clock offset: -0.59 ms

# Below is generated by plot.py at 2018-03-06 22:48:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 855.71 Mbit/s
95th percentile per-packet one-way delay: 1.862 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 767.11 Mbit/s
95th percentile per-packet one-way delay: 1.866 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 1.671 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 180.39 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.25%
```

## Run 4: Report of PCC — Data Link

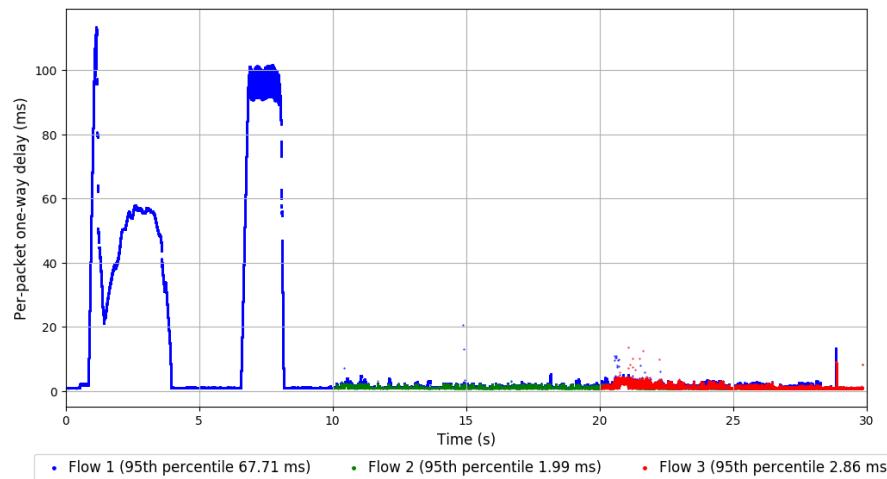
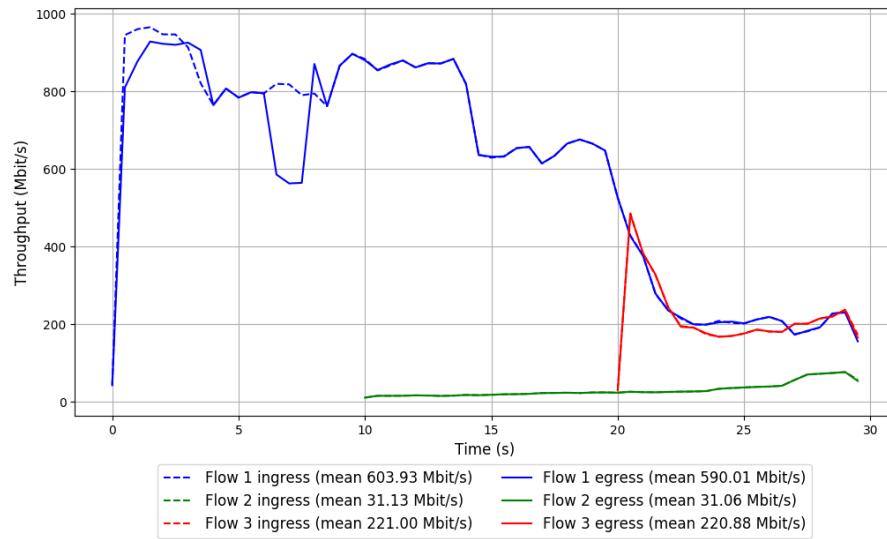


Run 5: Statistics of PCC

```
Start at: 2018-03-06 14:07:10
End at: 2018-03-06 14:07:40
Local clock offset: 3.911 ms
Remote clock offset: 0.515 ms

# Below is generated by plot.py at 2018-03-06 22:48:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 683.21 Mbit/s
95th percentile per-packet one-way delay: 57.057 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 590.01 Mbit/s
95th percentile per-packet one-way delay: 67.711 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 1.994 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 220.88 Mbit/s
95th percentile per-packet one-way delay: 2.860 ms
Loss rate: 0.19%
```

## Run 5: Report of PCC — Data Link

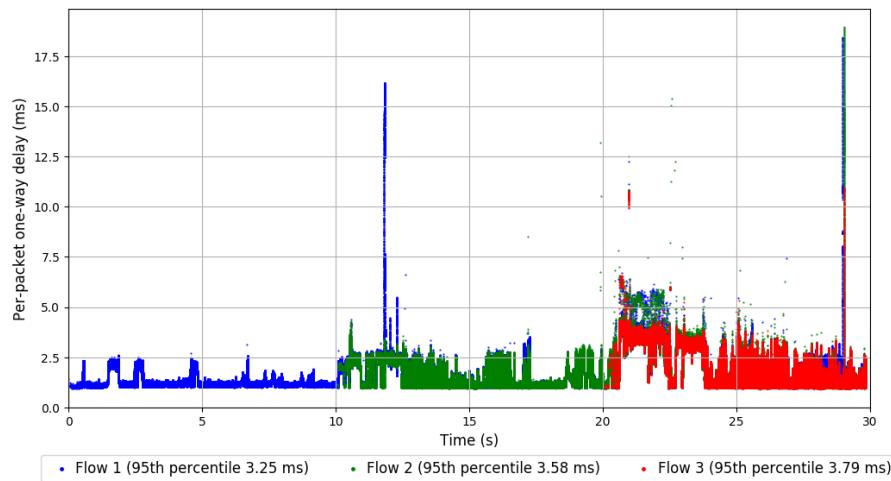
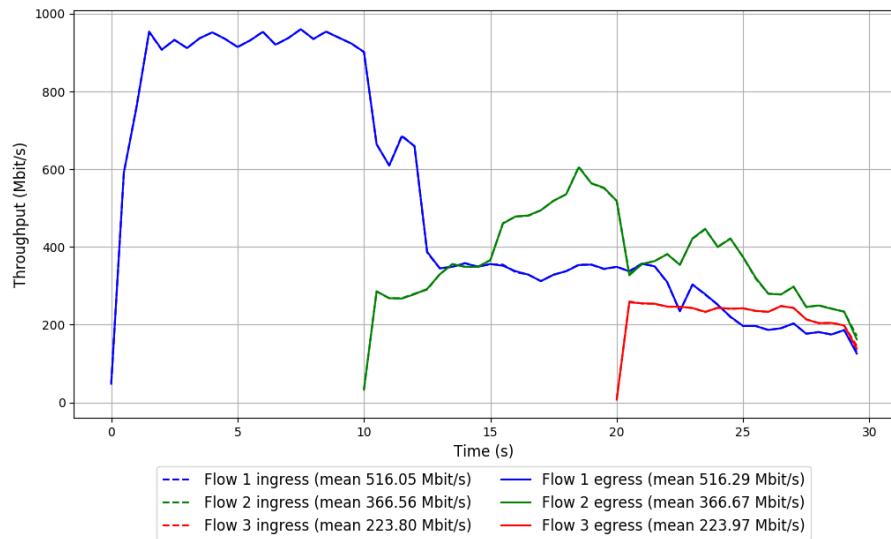


Run 6: Statistics of PCC

```
Start at: 2018-03-06 14:36:32
End at: 2018-03-06 14:37:02
Local clock offset: 4.819 ms
Remote clock offset: 1.723 ms

# Below is generated by plot.py at 2018-03-06 22:48:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 833.29 Mbit/s
95th percentile per-packet one-way delay: 3.510 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 516.29 Mbit/s
95th percentile per-packet one-way delay: 3.254 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 366.67 Mbit/s
95th percentile per-packet one-way delay: 3.577 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 223.97 Mbit/s
95th percentile per-packet one-way delay: 3.788 ms
Loss rate: 0.18%
```

## Run 6: Report of PCC — Data Link

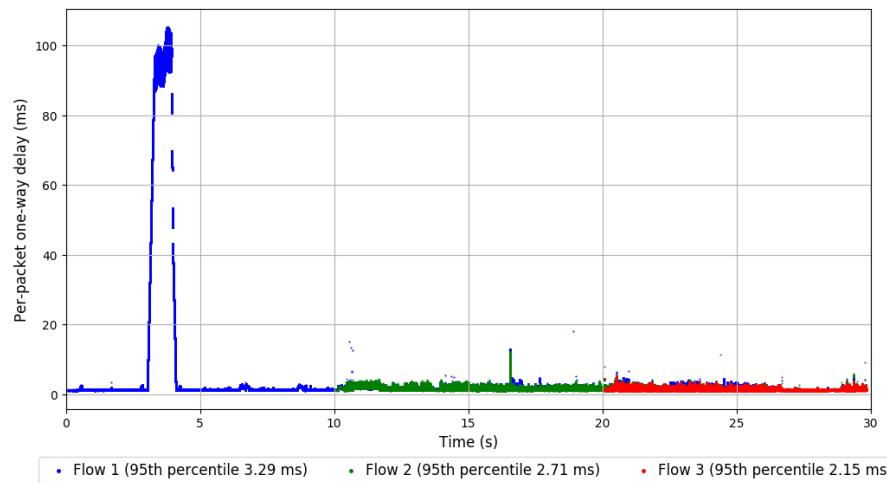
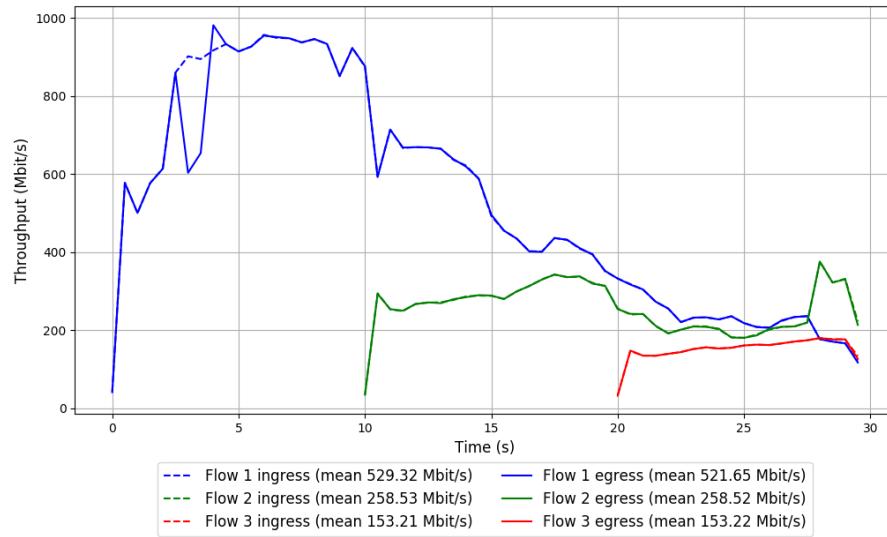


Run 7: Statistics of PCC

```
Start at: 2018-03-06 15:11:05
End at: 2018-03-06 15:11:35
Local clock offset: 0.887 ms
Remote clock offset: 2.175 ms

# Below is generated by plot.py at 2018-03-06 22:49:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 743.80 Mbit/s
95th percentile per-packet one-way delay: 2.952 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 521.65 Mbit/s
95th percentile per-packet one-way delay: 3.287 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 258.52 Mbit/s
95th percentile per-packet one-way delay: 2.707 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 153.22 Mbit/s
95th percentile per-packet one-way delay: 2.146 ms
Loss rate: 0.25%
```

## Run 7: Report of PCC — Data Link

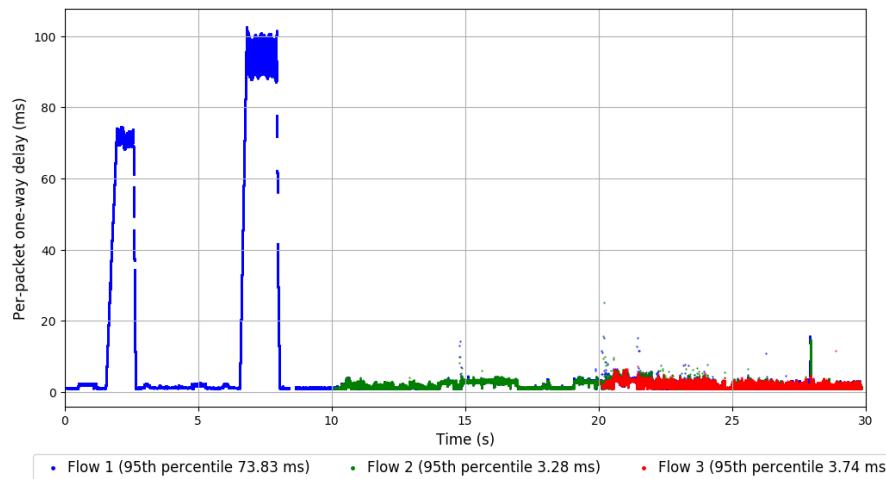
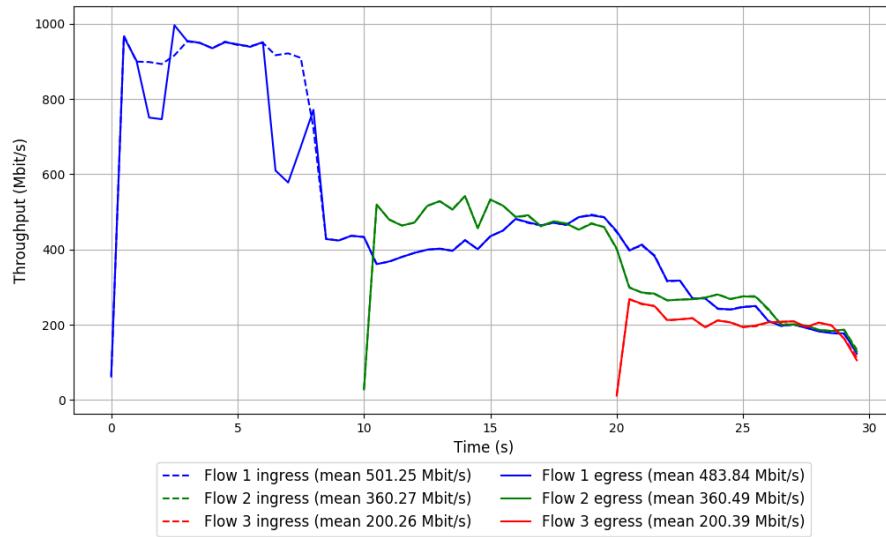


Run 8: Statistics of PCC

```
Start at: 2018-03-06 15:40:09
End at: 2018-03-06 15:40:39
Local clock offset: 0.7 ms
Remote clock offset: 2.277 ms

# Below is generated by plot.py at 2018-03-06 22:51:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.87 Mbit/s
95th percentile per-packet one-way delay: 69.343 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 483.84 Mbit/s
95th percentile per-packet one-way delay: 73.826 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 360.49 Mbit/s
95th percentile per-packet one-way delay: 3.278 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 200.39 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 0.21%
```

## Run 8: Report of PCC — Data Link

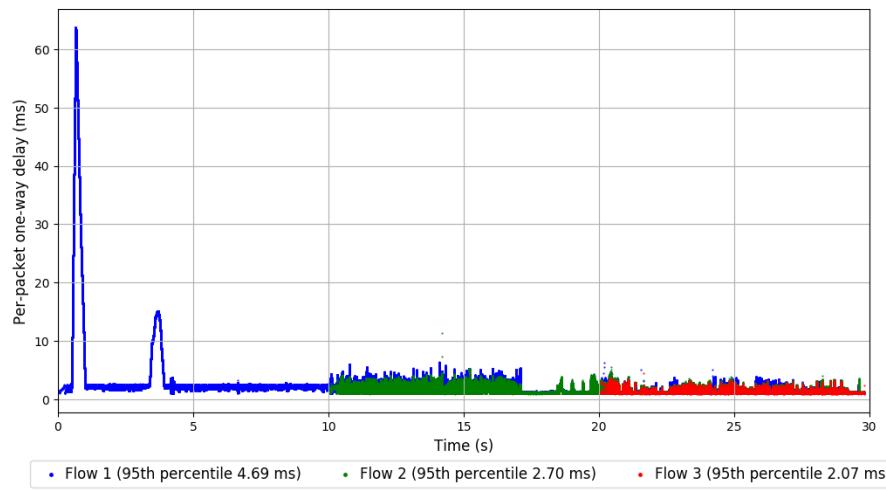
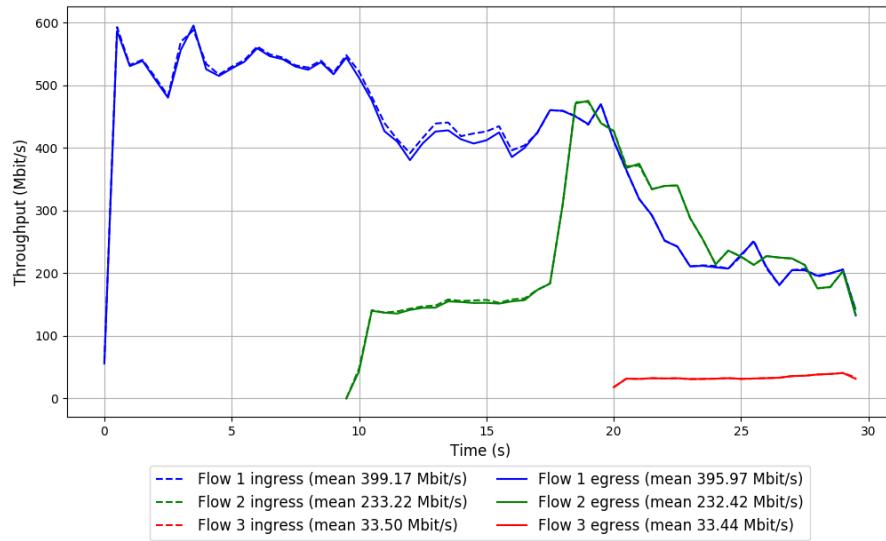


Run 9: Statistics of PCC

```
Start at: 2018-03-06 16:09:29
End at: 2018-03-06 16:09:59
Local clock offset: -1.358 ms
Remote clock offset: 1.925 ms

# Below is generated by plot.py at 2018-03-06 22:52:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 561.49 Mbit/s
95th percentile per-packet one-way delay: 3.494 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 395.97 Mbit/s
95th percentile per-packet one-way delay: 4.687 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 232.42 Mbit/s
95th percentile per-packet one-way delay: 2.697 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 2.073 ms
Loss rate: 0.37%
```

## Run 9: Report of PCC — Data Link

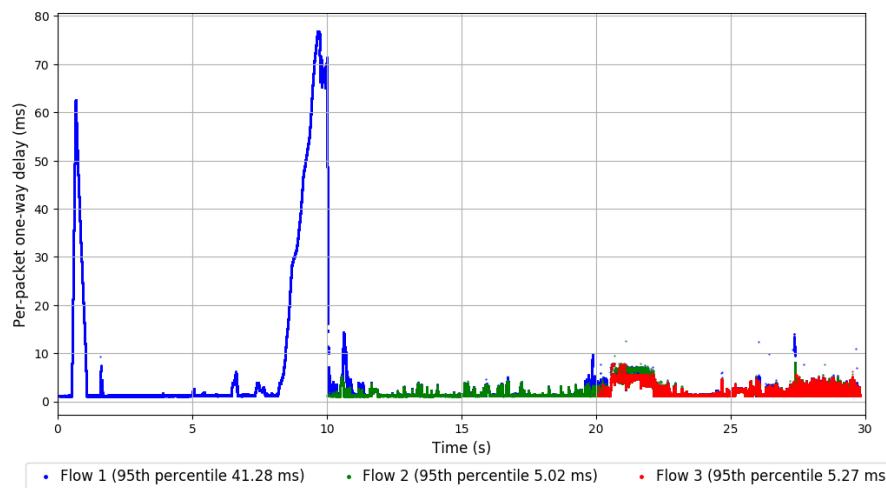
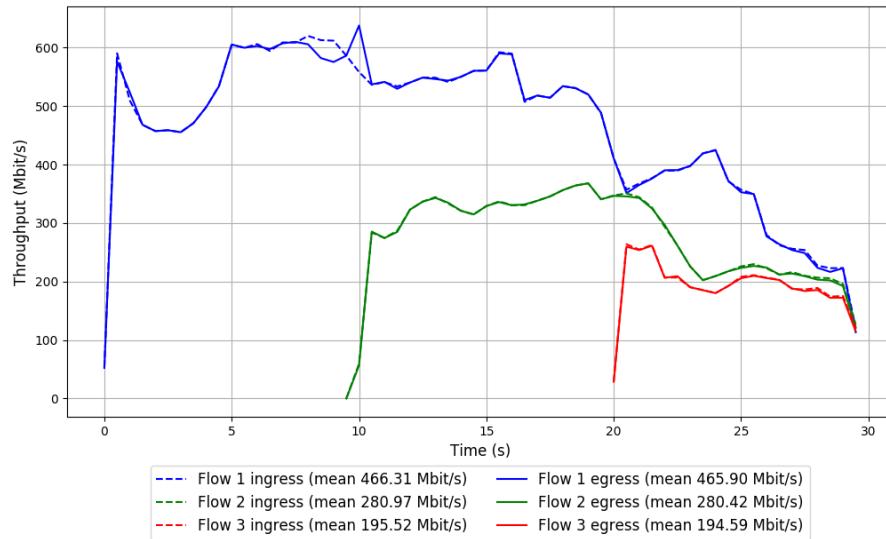


Run 10: Statistics of PCC

```
Start at: 2018-03-06 16:38:23
End at: 2018-03-06 16:38:53
Local clock offset: -5.353 ms
Remote clock offset: 1.73 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 716.25 Mbit/s
95th percentile per-packet one-way delay: 22.466 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 465.90 Mbit/s
95th percentile per-packet one-way delay: 41.277 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 280.42 Mbit/s
95th percentile per-packet one-way delay: 5.021 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 194.59 Mbit/s
95th percentile per-packet one-way delay: 5.270 ms
Loss rate: 0.69%
```

## Run 10: Report of PCC — Data Link

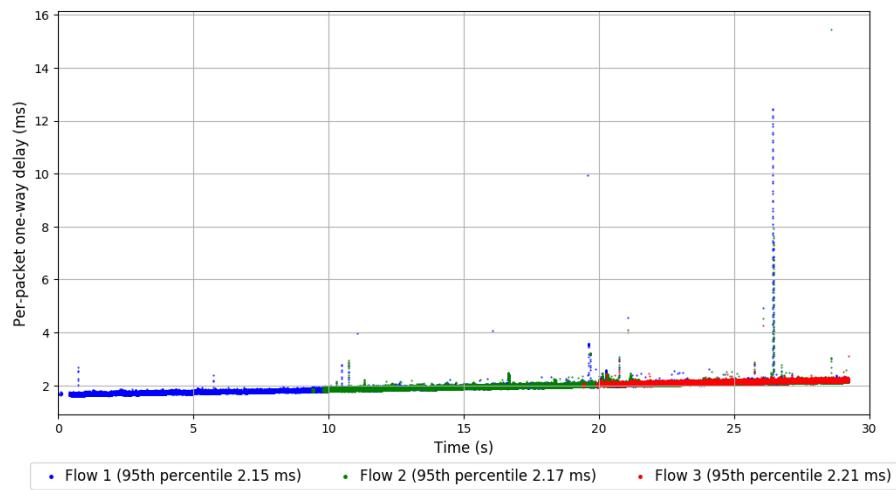
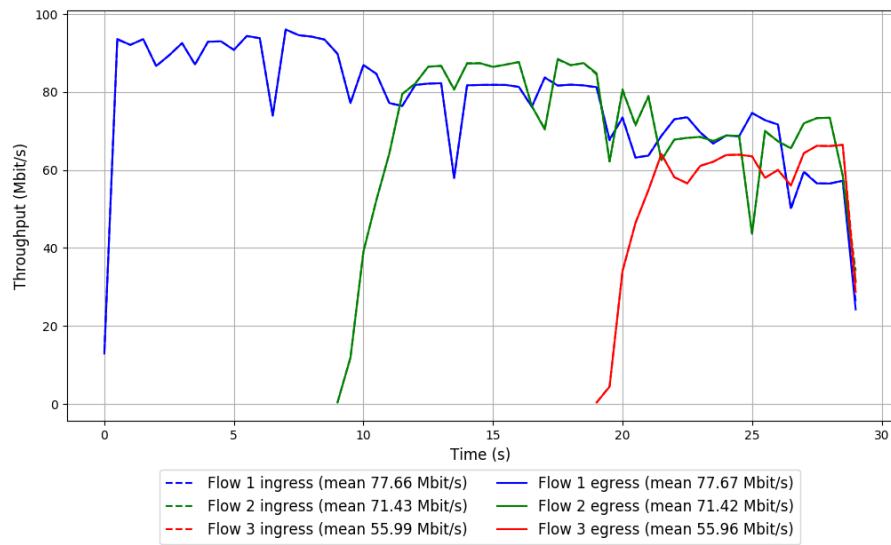


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-03-06 11:54:50
End at: 2018-03-06 11:55:20
Local clock offset: 4.516 ms
Remote clock offset: 4.683 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 145.00 Mbit/s
95th percentile per-packet one-way delay: 2.177 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 77.67 Mbit/s
95th percentile per-packet one-way delay: 2.149 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 71.42 Mbit/s
95th percentile per-packet one-way delay: 2.174 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 2.214 ms
Loss rate: 0.24%
```

Run 1: Report of QUIC Cubic — Data Link

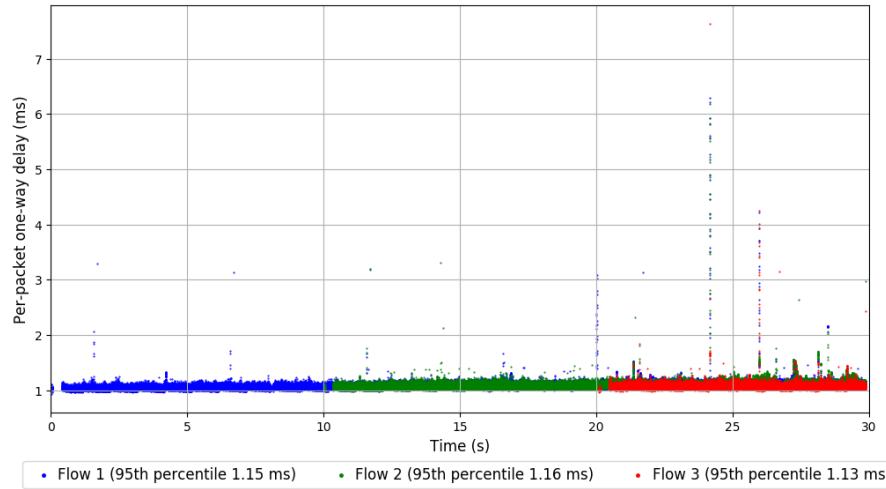
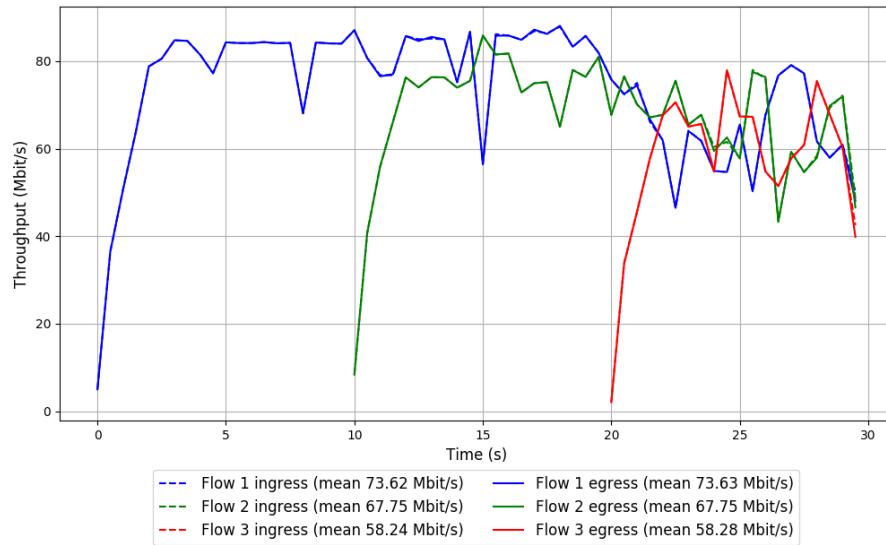


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-03-06 12:24:33
End at: 2018-03-06 12:25:03
Local clock offset: -4.883 ms
Remote clock offset: 6.35 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.82 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.63 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 58.28 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.24%
```

Run 2: Report of QUIC Cubic — Data Link

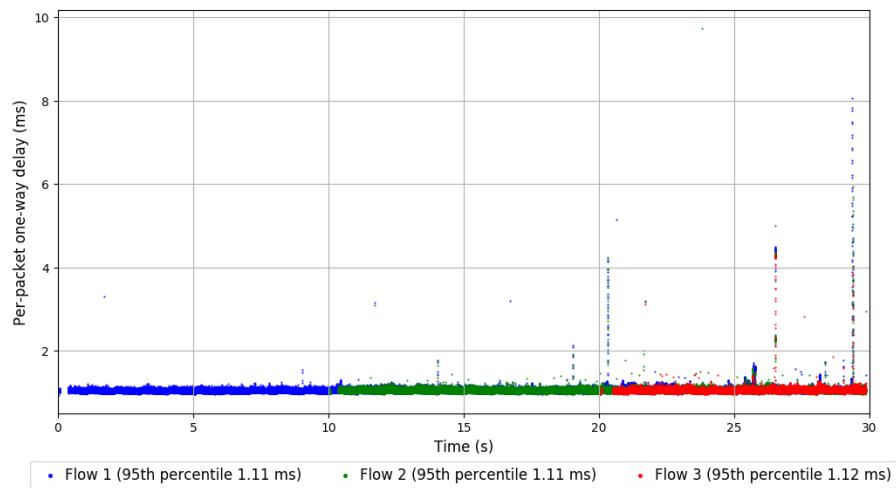
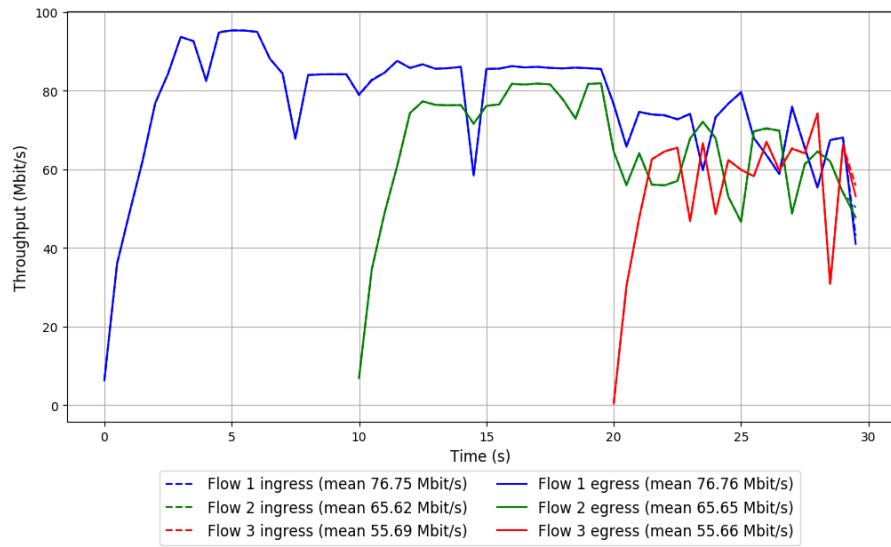


```
Run 3: Statistics of QUIC Cubic
```

```
Start at: 2018-03-06 12:54:16
End at: 2018-03-06 12:54:46
Local clock offset: -4.825 ms
Remote clock offset: 4.766 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 138.70 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.26%
```

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

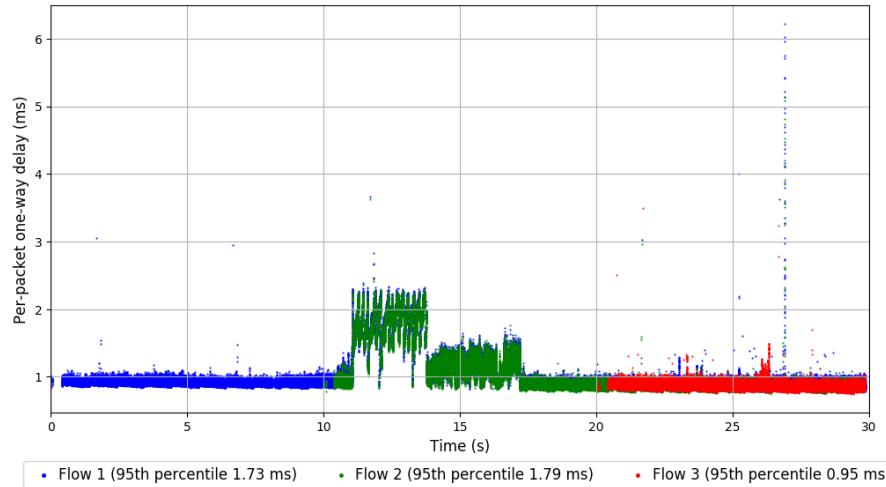
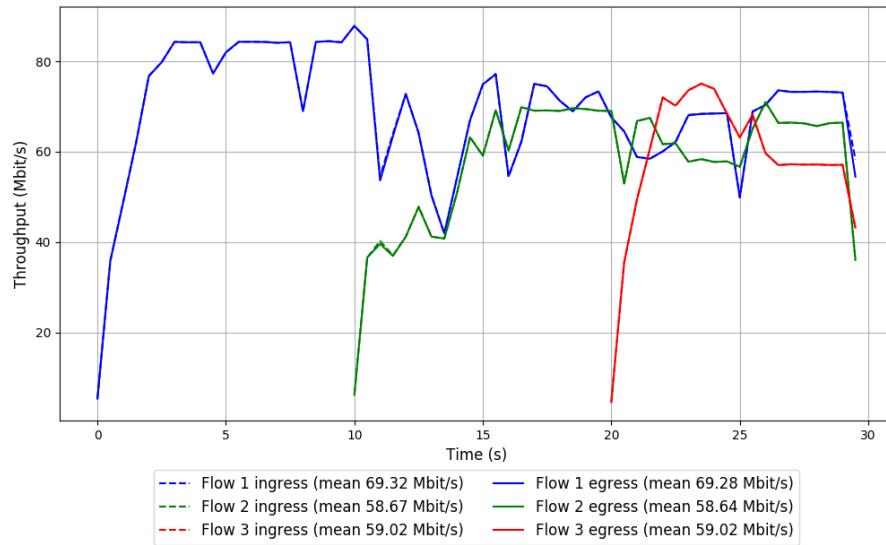


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-03-06 13:23:31
End at: 2018-03-06 13:24:01
Local clock offset: -4.686 ms
Remote clock offset: 1.113 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.50 Mbit/s
95th percentile per-packet one-way delay: 1.674 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 1.726 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 1.794 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 59.02 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.00%
```

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

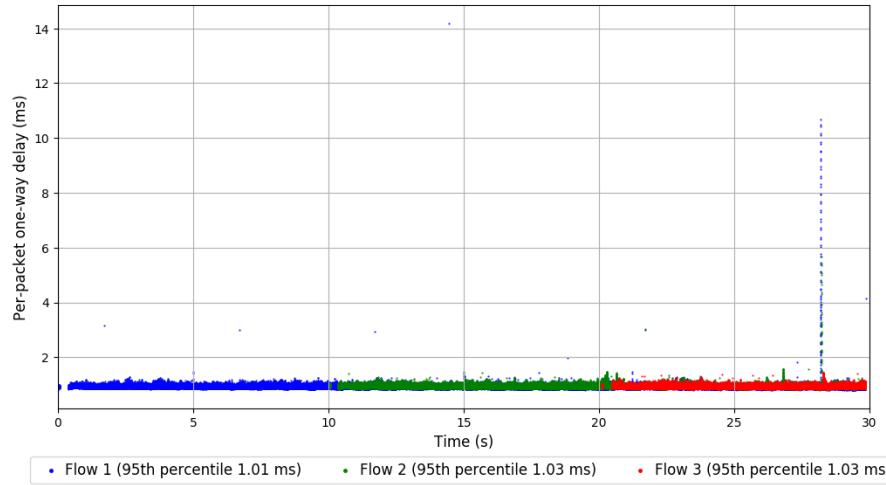
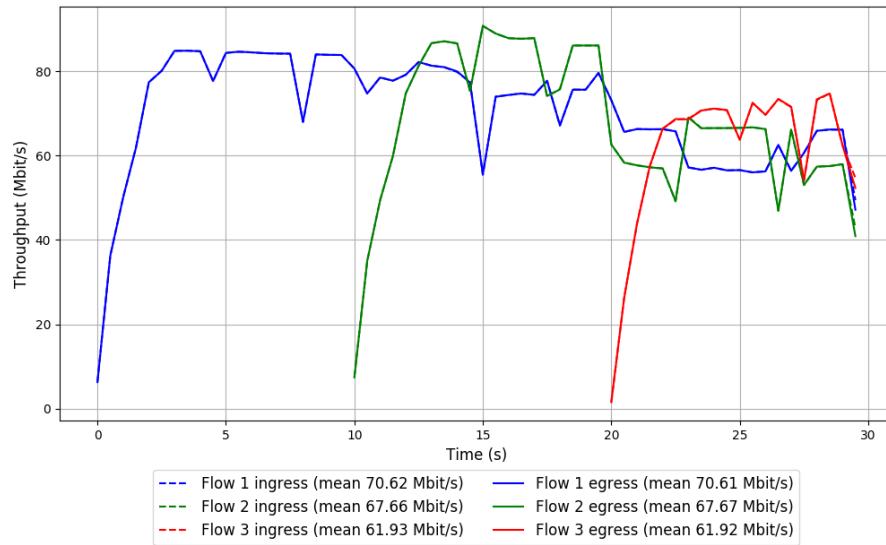


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-03-06 13:53:05
End at: 2018-03-06 13:53:35
Local clock offset: 1.784 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.90 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 1.010 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.67 Mbit/s
95th percentile per-packet one-way delay: 1.030 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 61.92 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.20%
```

Run 5: Report of QUIC Cubic — Data Link

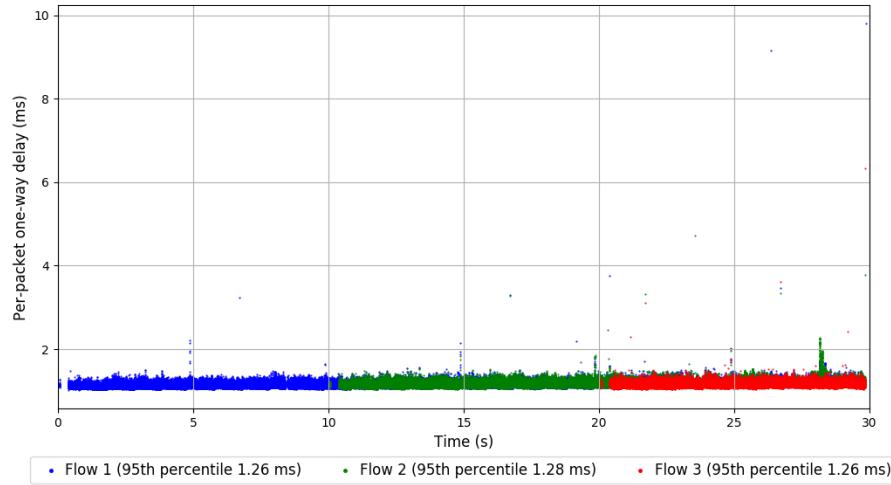
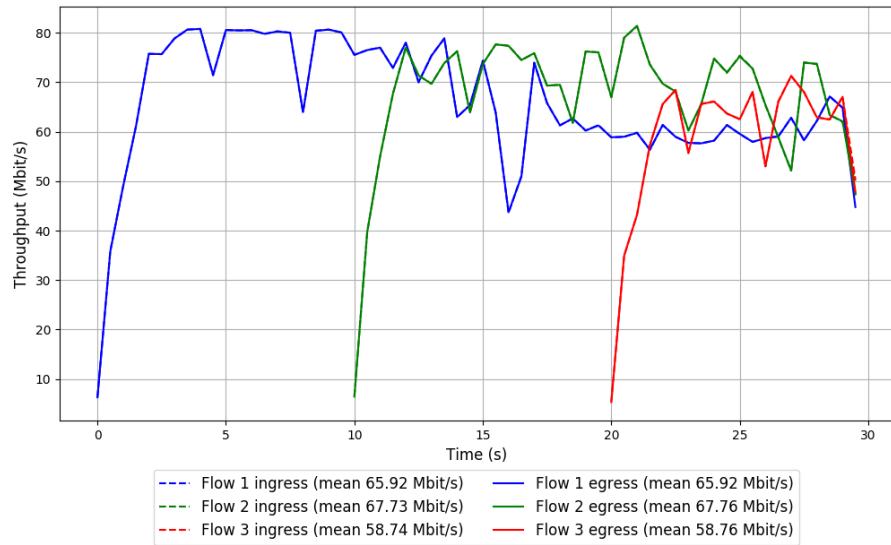


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-03-06 14:22:32
End at: 2018-03-06 14:23:02
Local clock offset: 3.958 ms
Remote clock offset: 0.699 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 130.29 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 65.92 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.76 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.76 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.23%
```

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

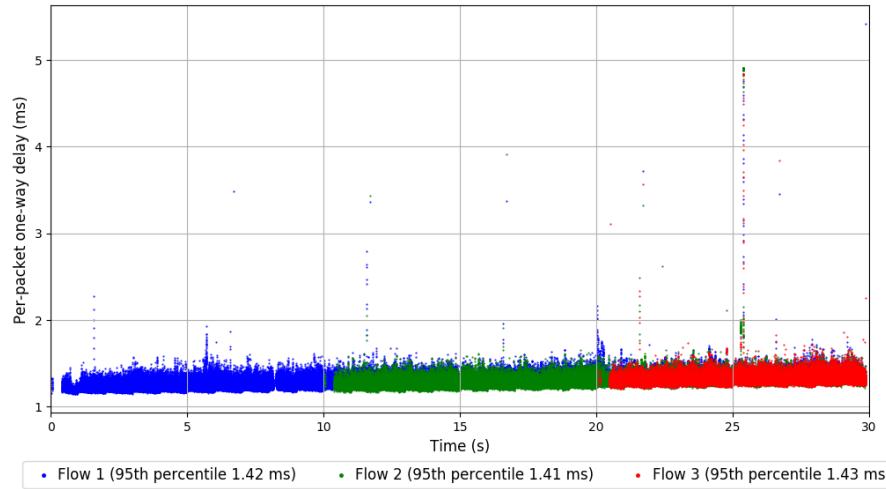
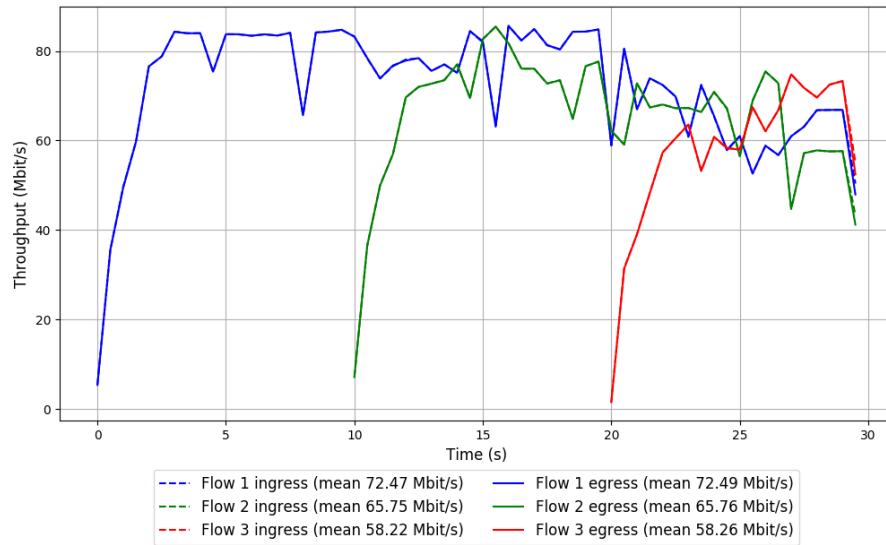


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-03-06 14:52:03
End at: 2018-03-06 14:52:33
Local clock offset: 2.535 ms
Remote clock offset: 2.037 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 135.33 Mbit/s
95th percentile per-packet one-way delay: 1.417 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 1.416 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 65.76 Mbit/s
95th percentile per-packet one-way delay: 1.408 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 1.433 ms
Loss rate: 0.25%
```

Run 7: Report of QUIC Cubic — Data Link

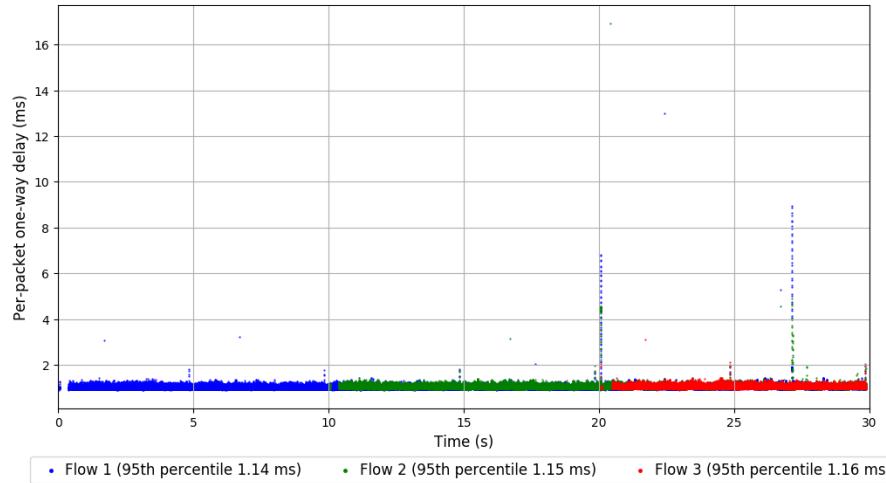
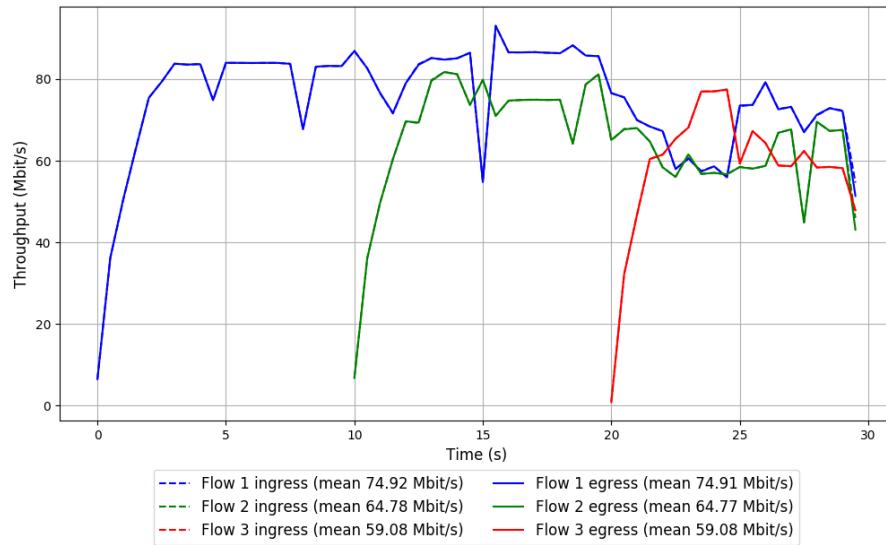


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-03-06 15:26:22
End at: 2018-03-06 15:26:52
Local clock offset: 0.618 ms
Remote clock offset: 2.287 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 137.39 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.00%
```

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

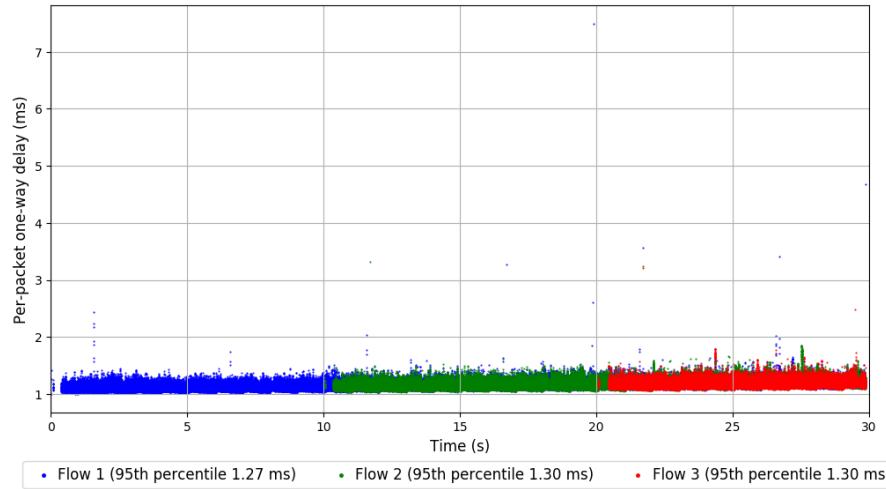
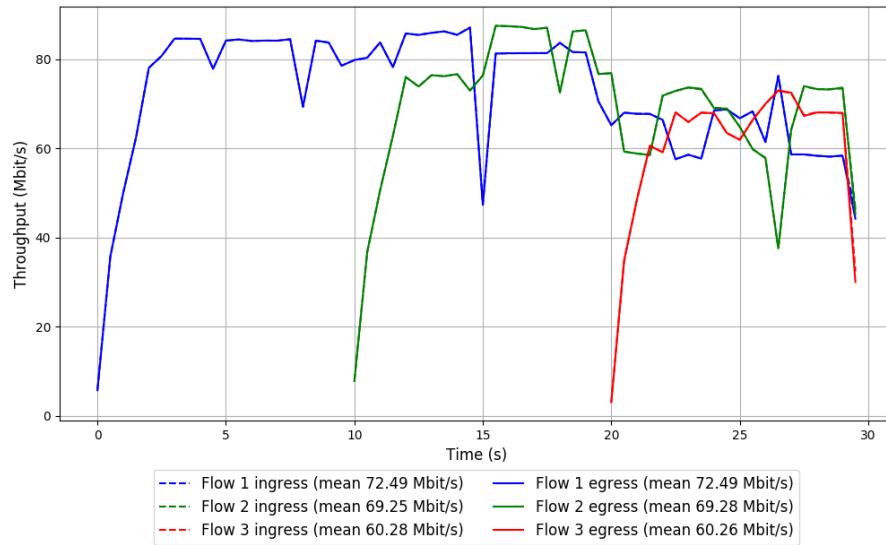


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-03-06 15:55:34
End at: 2018-03-06 15:56:04
Local clock offset: 0.03 ms
Remote clock offset: 2.356 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 138.38 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.22%
```

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

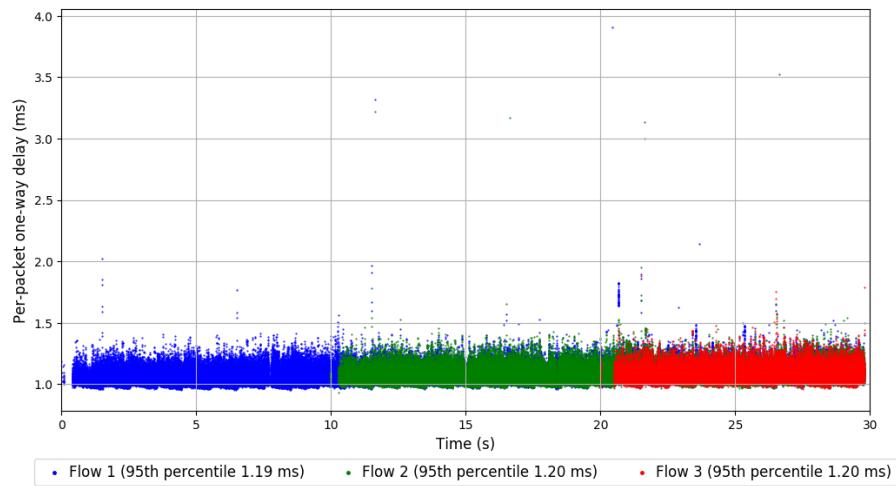
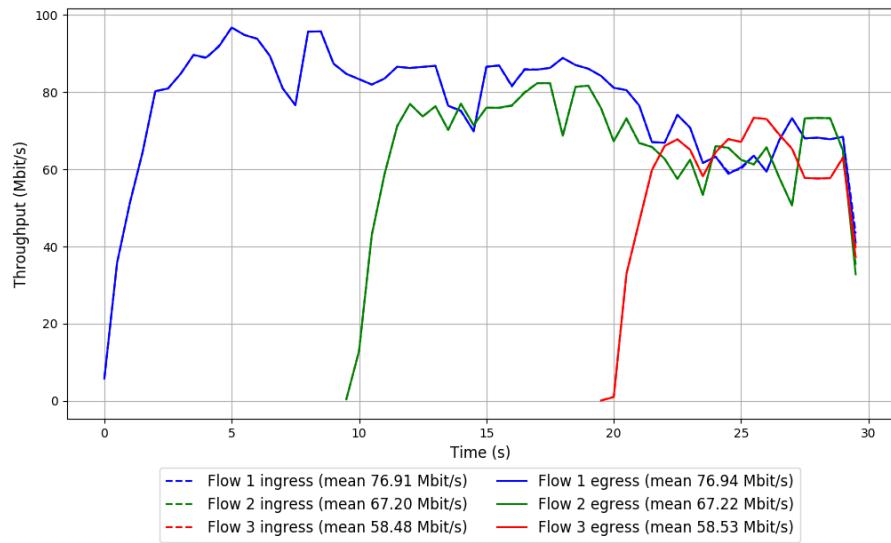


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-03-06 16:24:30
End at: 2018-03-06 16:25:00
Local clock offset: -1.94 ms
Remote clock offset: 1.635 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 141.04 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.94 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.53 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.22%
```

Run 10: Report of QUIC Cubic — Data Link

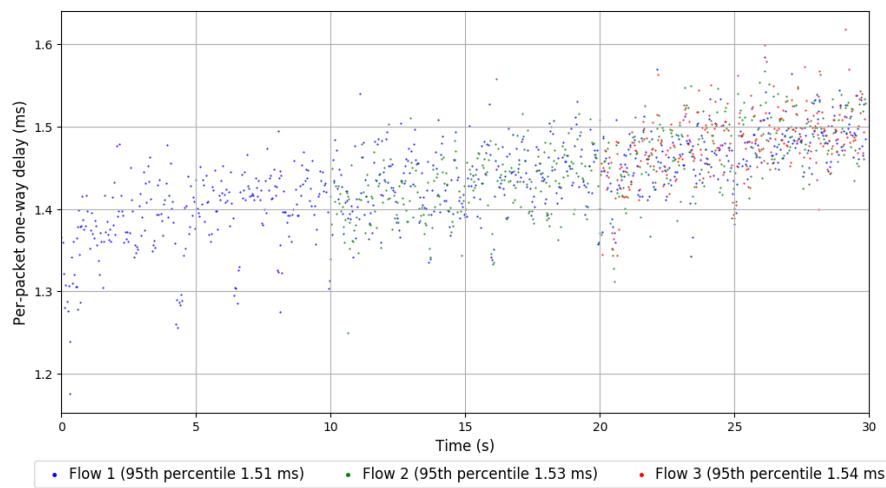
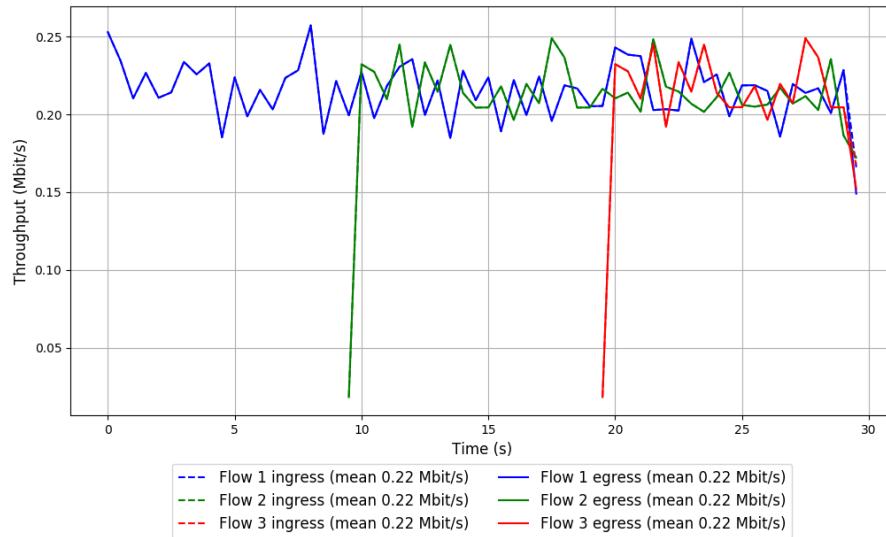


```
Run 1: Statistics of SCReAM

Start at: 2018-03-06 12:06:13
End at: 2018-03-06 12:06:43
Local clock offset: -2.326 ms
Remote clock offset: 5.381 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.525 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.507 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.538 ms
Loss rate: 0.35%
```

## Run 1: Report of SCReAM — Data Link

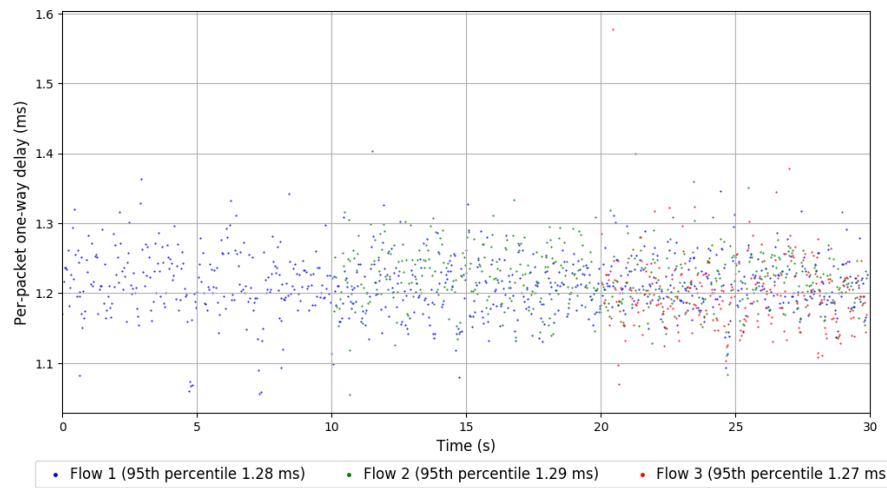
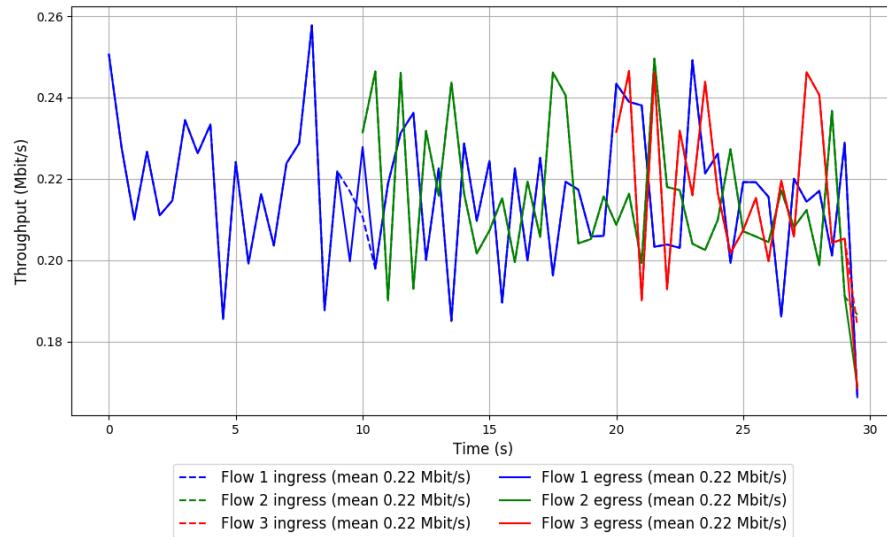


Run 2: Statistics of SCReAM

```
Start at: 2018-03-06 12:35:42
End at: 2018-03-06 12:36:12
Local clock offset: -4.781 ms
Remote clock offset: 6.863 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

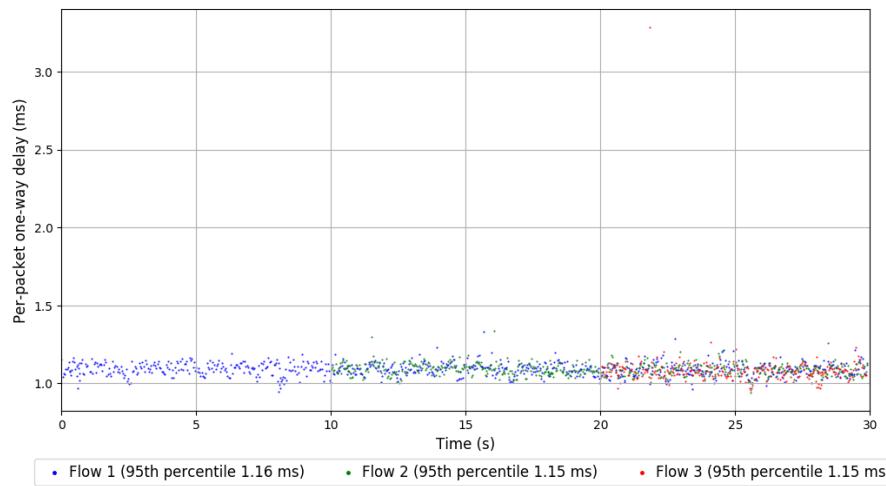
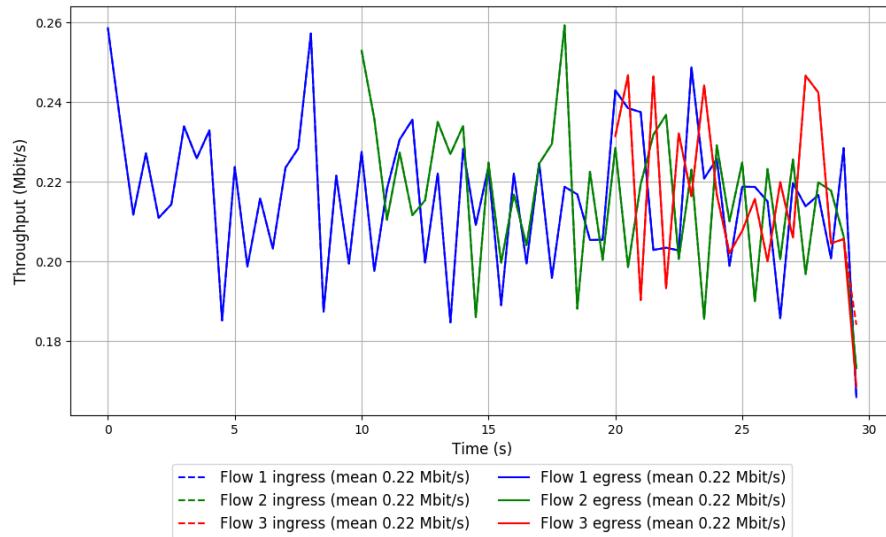


Run 3: Statistics of SCReAM

```
Start at: 2018-03-06 13:05:24
End at: 2018-03-06 13:05:54
Local clock offset: -4.803 ms
Remote clock offset: 4.578 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.35%
```

Run 3: Report of SCReAM — Data Link

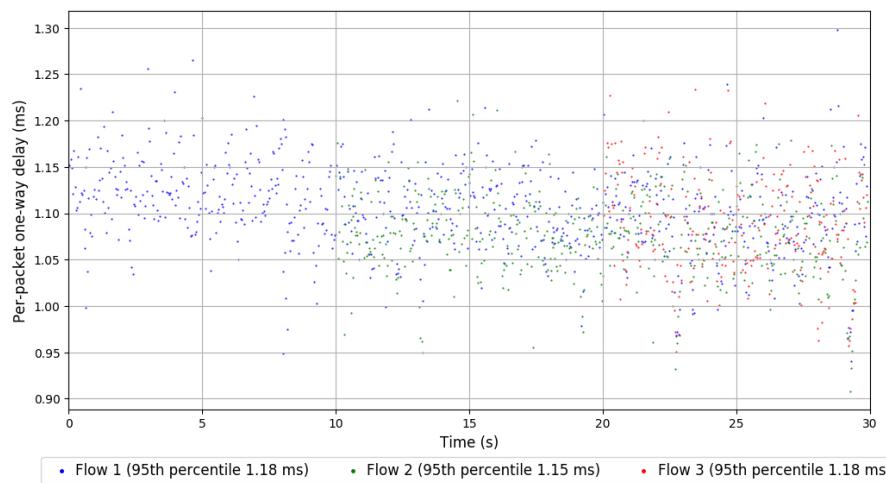
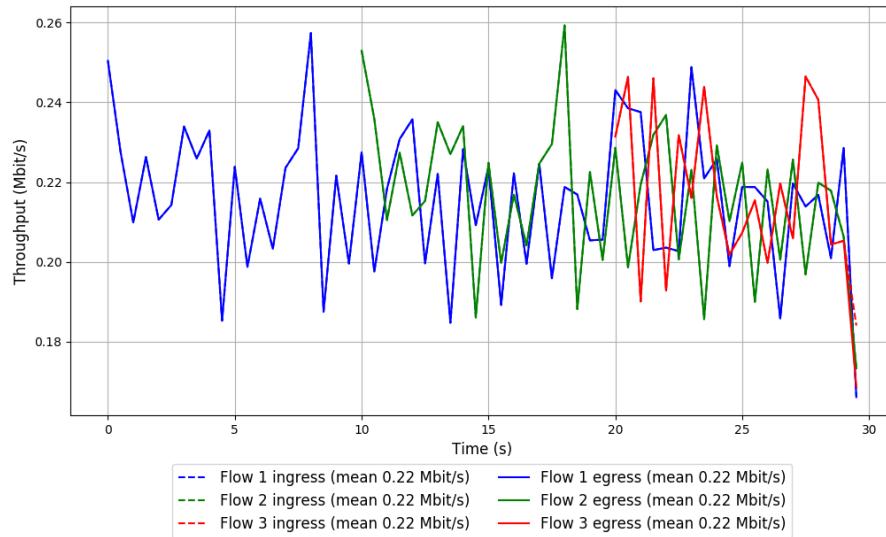


Run 4: Statistics of SCReAM

```
Start at: 2018-03-06 13:34:27
End at: 2018-03-06 13:34:57
Local clock offset: -4.75 ms
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.35%
```

## Run 4: Report of SCReAM — Data Link

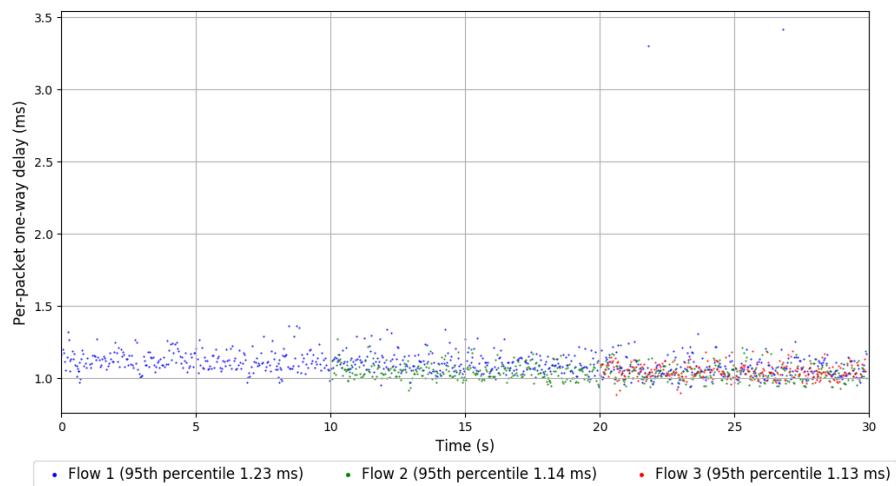
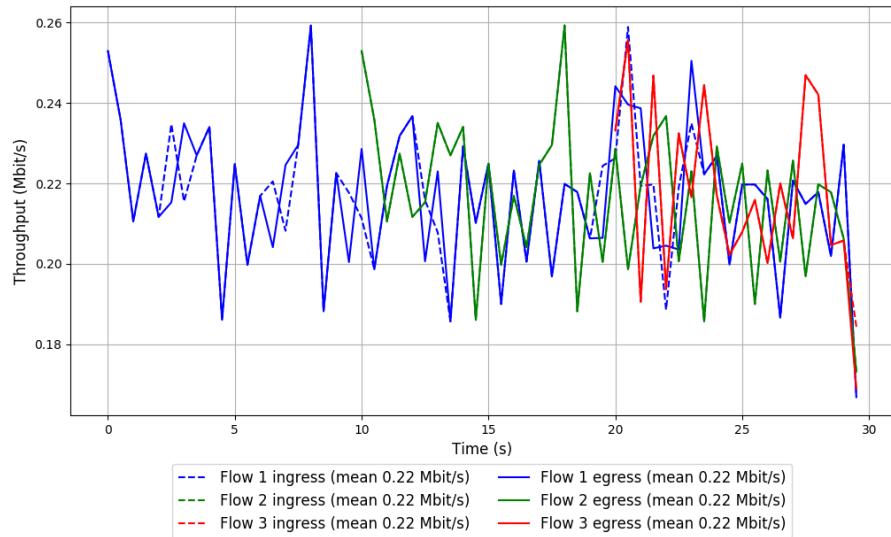


Run 5: Statistics of SCReAM

```
Start at: 2018-03-06 14:04:13
End at: 2018-03-06 14:04:43
Local clock offset: 3.517 ms
Remote clock offset: 0.523 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

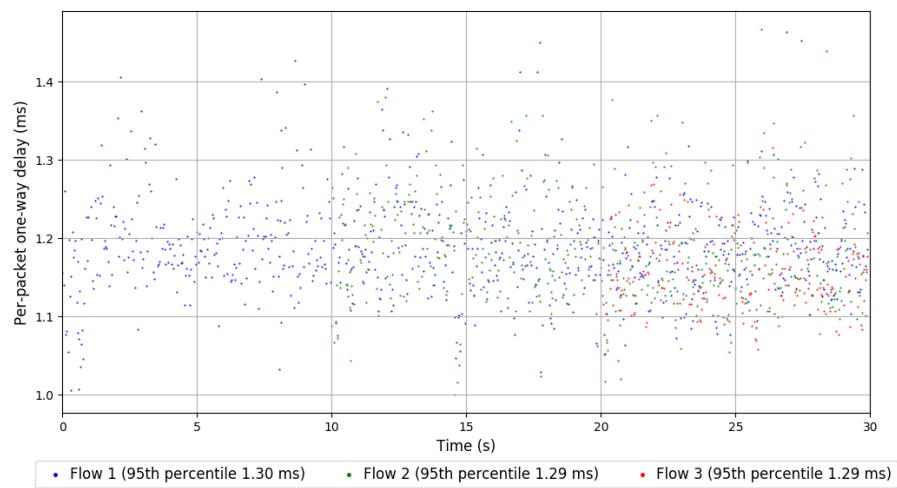
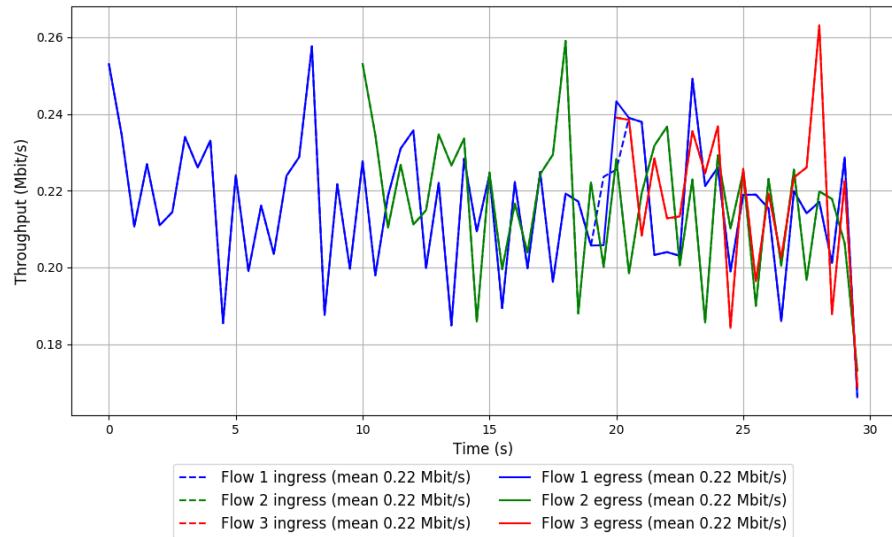


Run 6: Statistics of SCReAM

```
Start at: 2018-03-06 14:33:35
End at: 2018-03-06 14:34:05
Local clock offset: 4.609 ms
Remote clock offset: 1.622 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

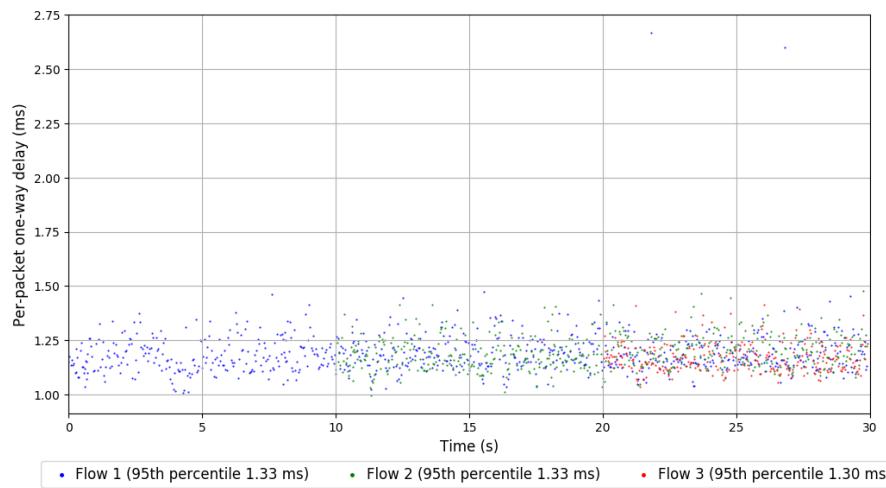
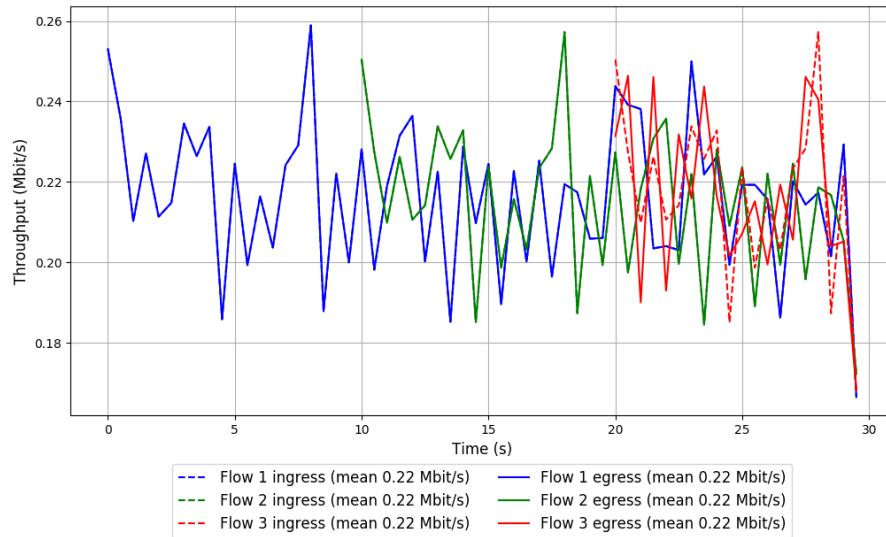


Run 7: Statistics of SCReAM

```
Start at: 2018-03-06 15:08:03
End at: 2018-03-06 15:08:33
Local clock offset: 0.955 ms
Remote clock offset: 2.22 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.35%
```

Run 7: Report of SCReAM — Data Link

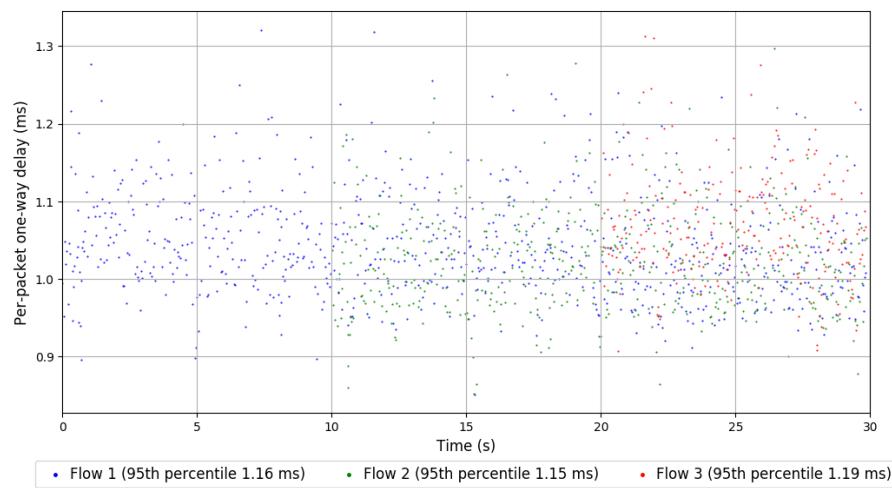
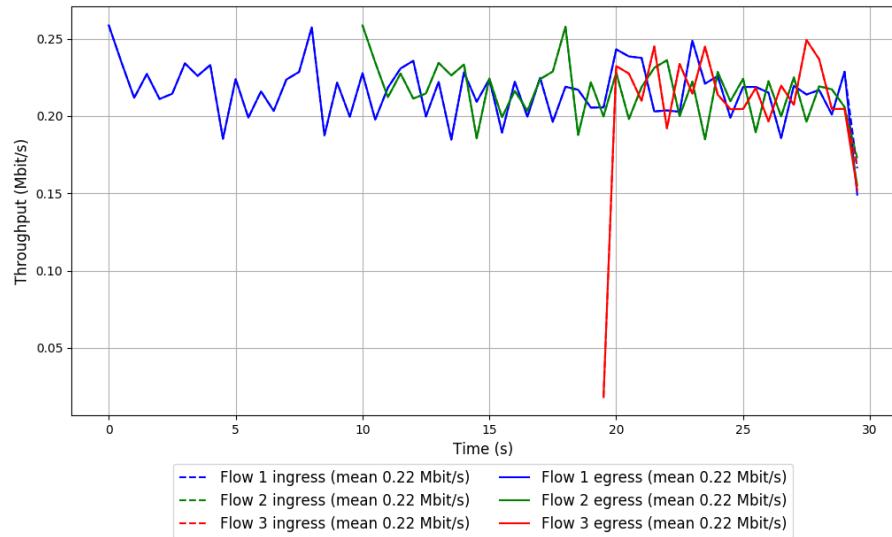


Run 8: Statistics of SCReAM

```
Start at: 2018-03-06 15:37:14
End at: 2018-03-06 15:37:44
Local clock offset: 0.594 ms
Remote clock offset: 2.379 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.35%
```

Run 8: Report of SCReAM — Data Link

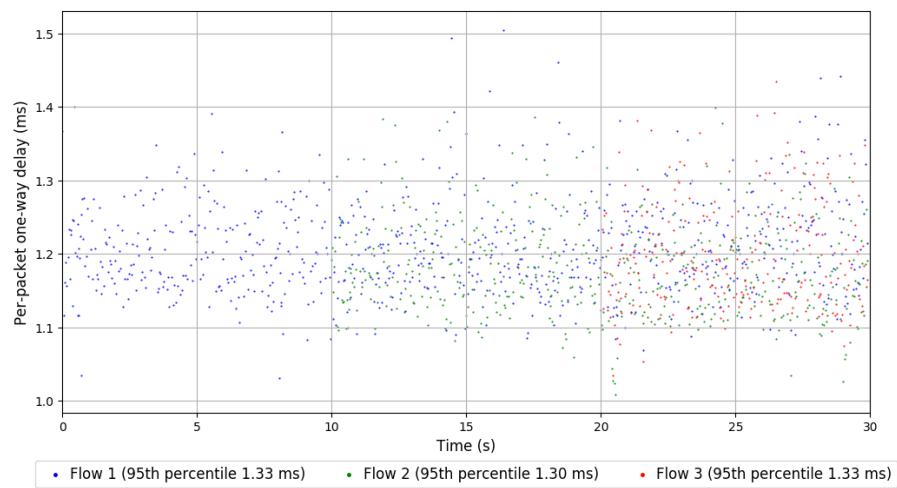
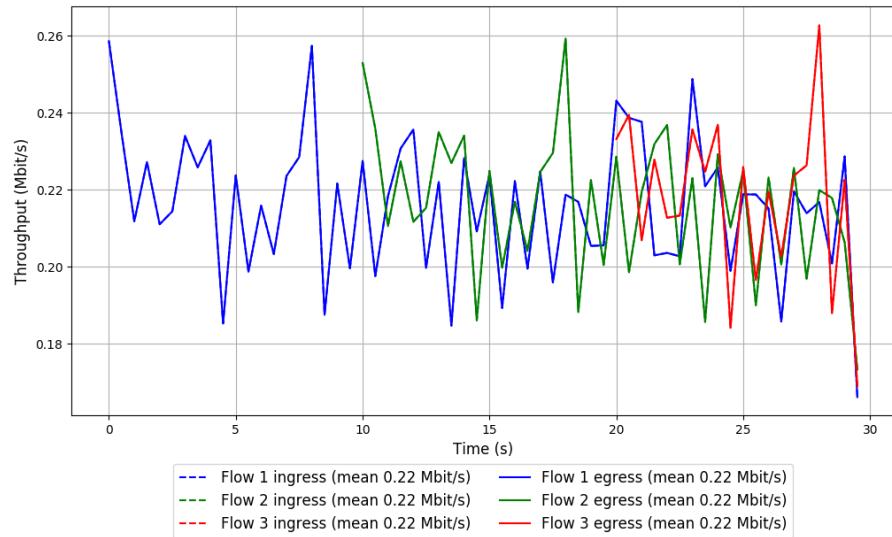


Run 9: Statistics of SCReAM

```
Start at: 2018-03-06 16:06:34
End at: 2018-03-06 16:07:04
Local clock offset: -1.061 ms
Remote clock offset: 2.166 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

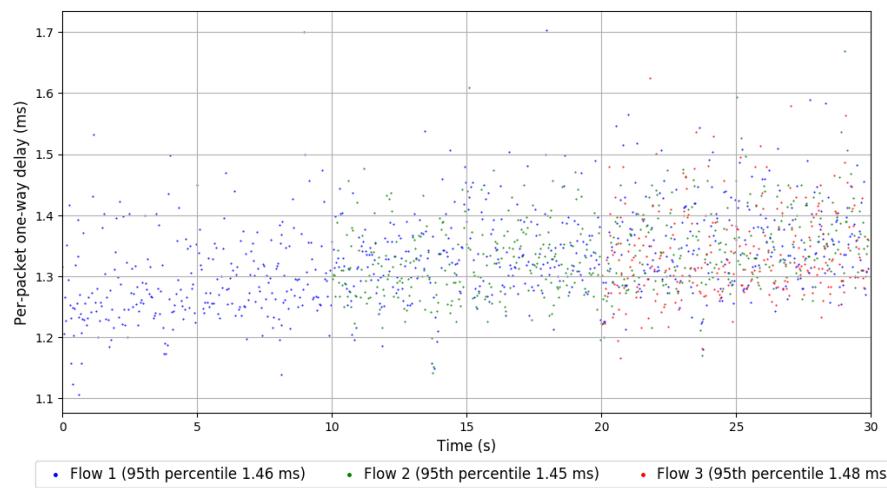
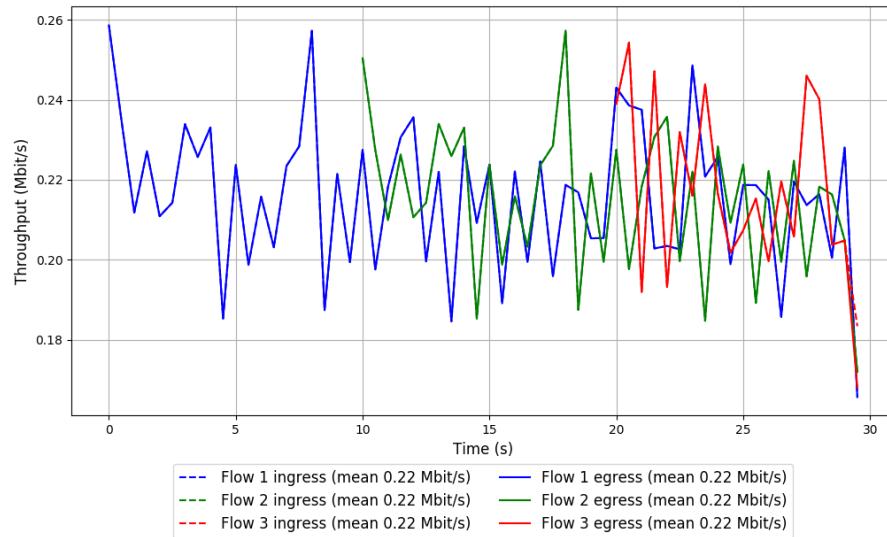


Run 10: Statistics of SCReAM

```
Start at: 2018-03-06 16:35:29
End at: 2018-03-06 16:35:59
Local clock offset: -4.777 ms
Remote clock offset: 1.607 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.456 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.449 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.479 ms
Loss rate: 0.35%
```

## Run 10: Report of SCReAM — Data Link

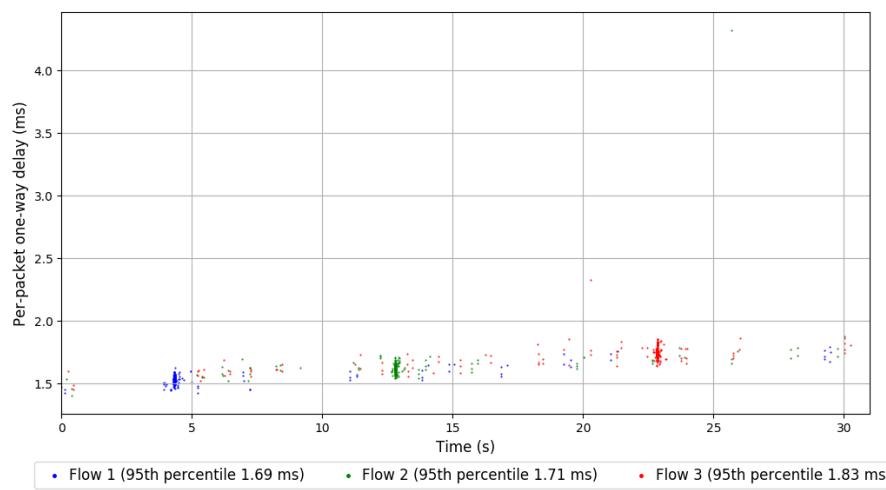
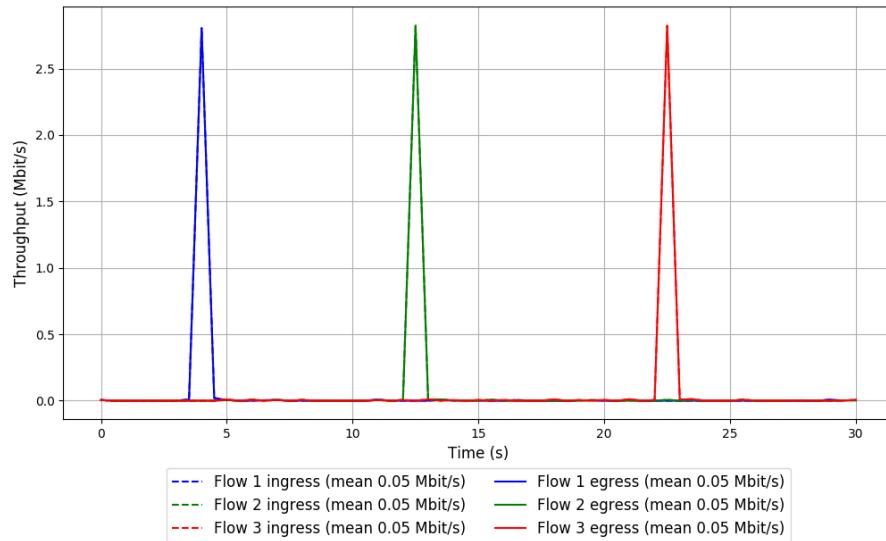


```
Run 1: Statistics of WebRTC media

Start at: 2018-03-06 11:59:38
End at: 2018-03-06 12:00:08
Local clock offset: 0.586 ms
Remote clock offset: 4.95 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.805 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.689 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.714 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.831 ms
Loss rate: 0.00%
```

### Run 1: Report of WebRTC media — Data Link

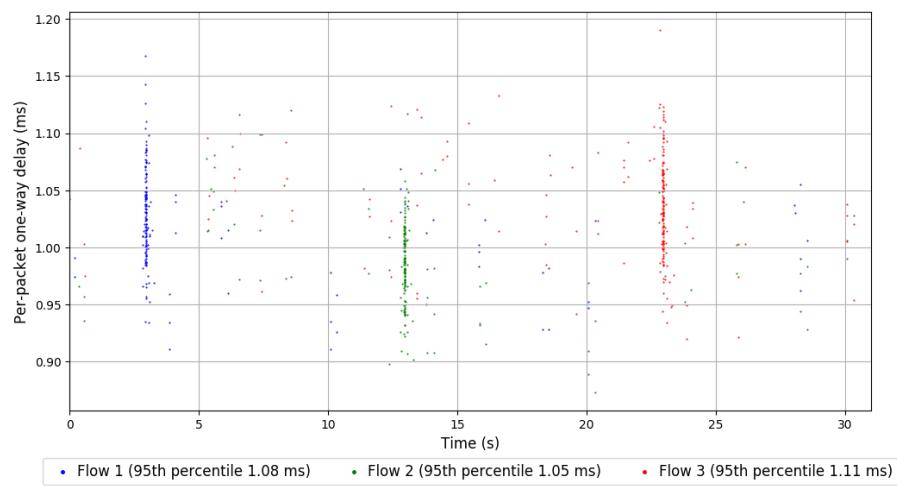
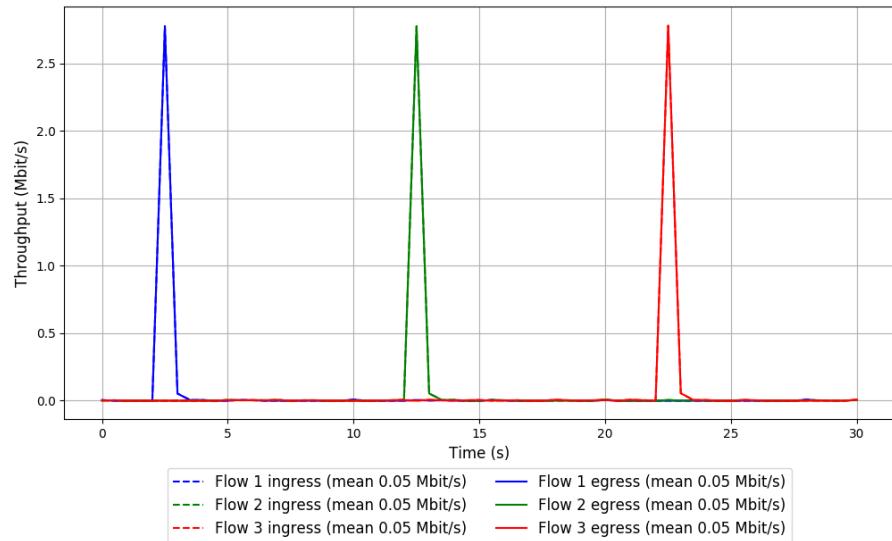


Run 2: Statistics of WebRTC media

```
Start at: 2018-03-06 12:29:18
End at: 2018-03-06 12:29:48
Local clock offset: -5.07 ms
Remote clock offset: 6.503 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.00%
```

## Run 2: Report of WebRTC media — Data Link

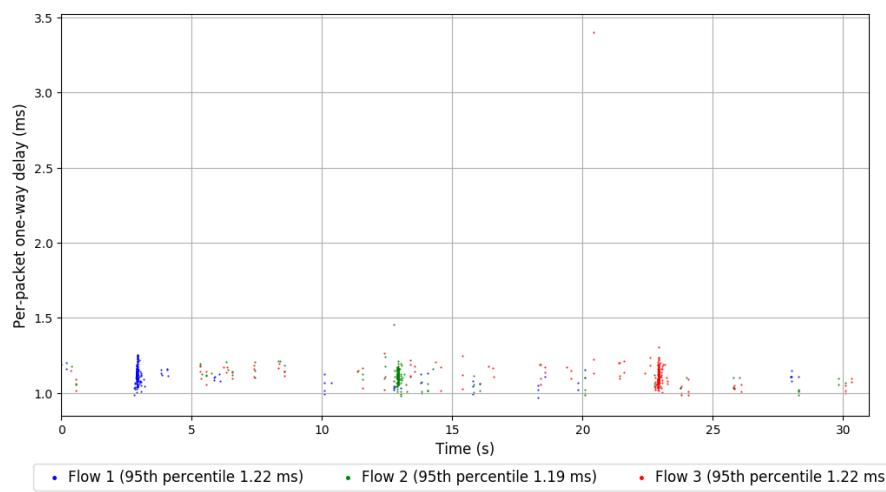
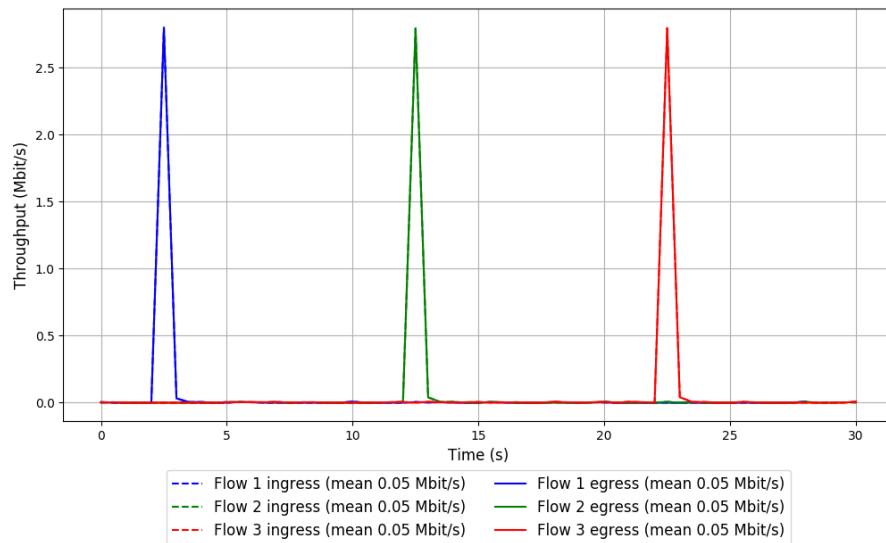


```
Run 3: Statistics of WebRTC media

Start at: 2018-03-06 12:58:54
End at: 2018-03-06 12:59:24
Local clock offset: -4.831 ms
Remote clock offset: 4.642 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
```

### Run 3: Report of WebRTC media — Data Link

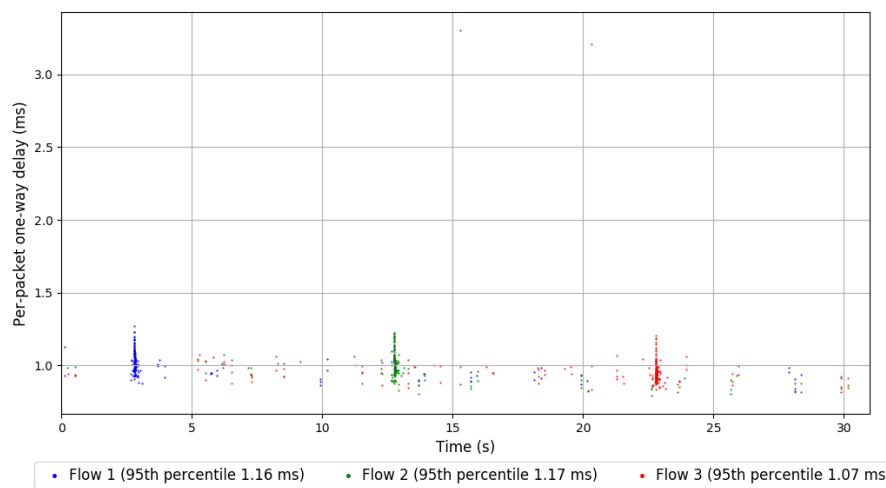
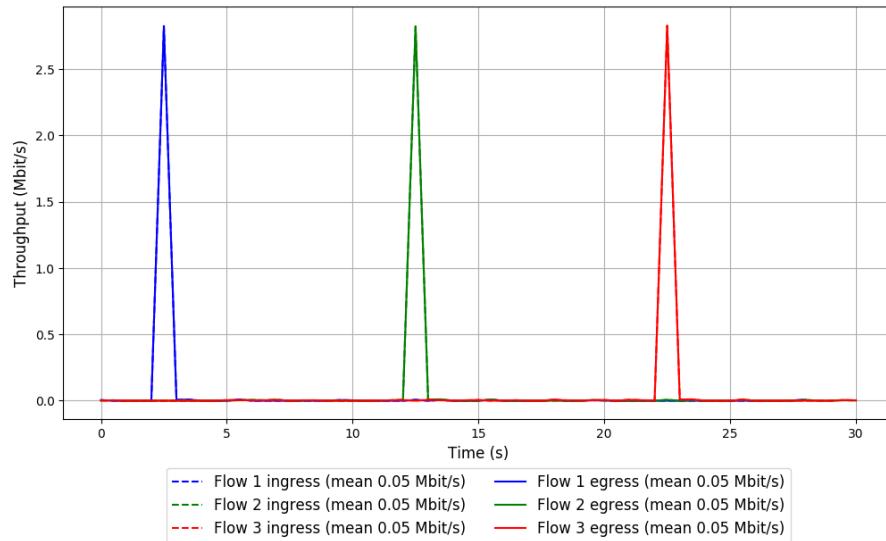


Run 4: Statistics of WebRTC media

```
Start at: 2018-03-06 13:28:08
End at: 2018-03-06 13:28:38
Local clock offset: -4.678 ms
Remote clock offset: 0.478 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.00%
```

#### Run 4: Report of WebRTC media — Data Link

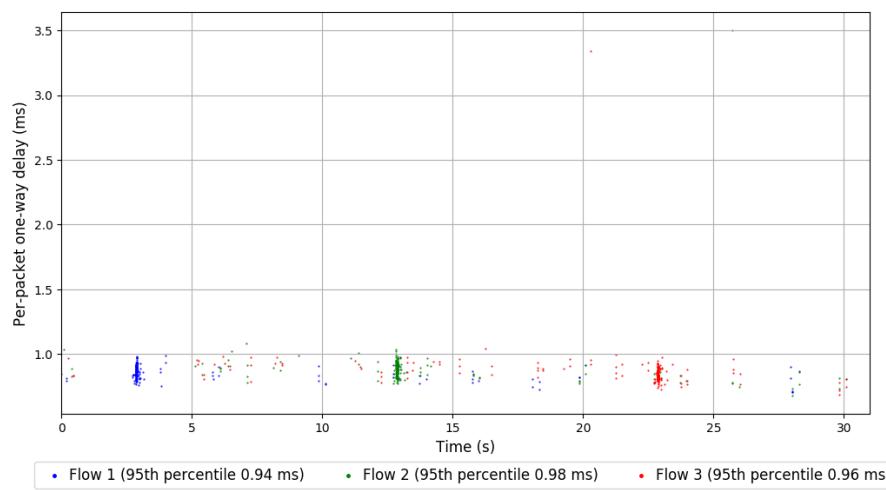
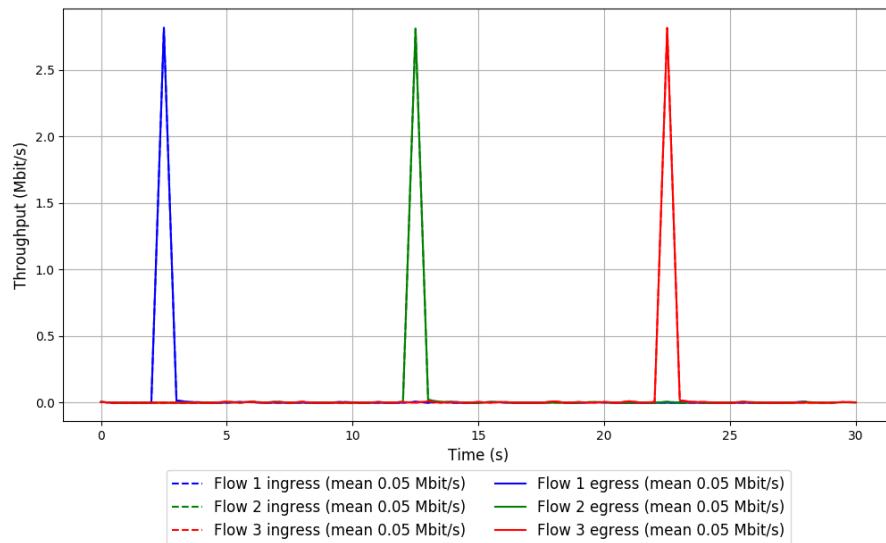


Run 5: Statistics of WebRTC media

```
Start at: 2018-03-06 13:57:42
End at: 2018-03-06 13:58:12
Local clock offset: 2.496 ms
Remote clock offset: 0.388 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 0.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.961 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

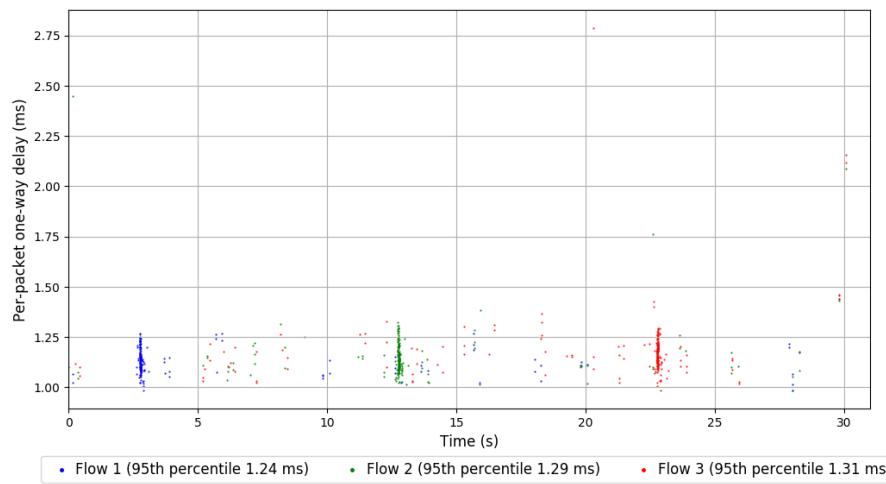
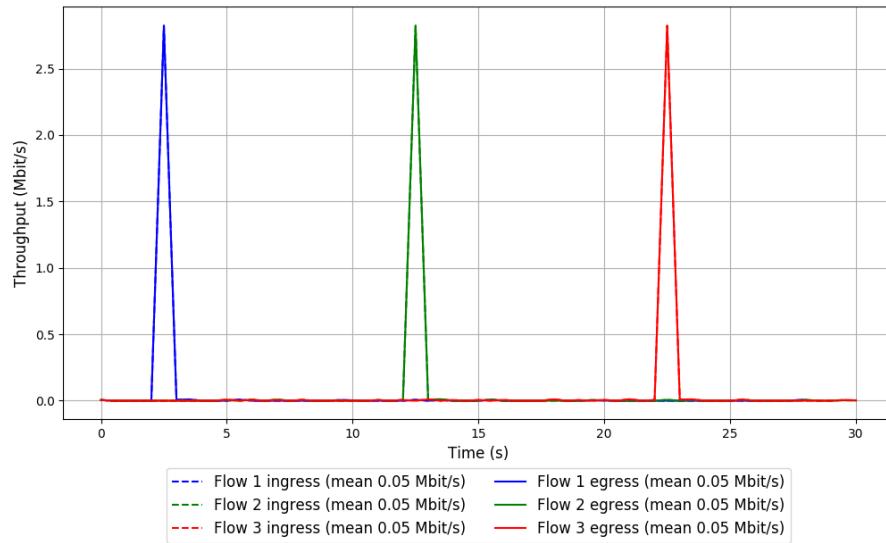


Run 6: Statistics of WebRTC media

```
Start at: 2018-03-06 14:27:08
End at: 2018-03-06 14:27:38
Local clock offset: 4.173 ms
Remote clock offset: 1.224 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

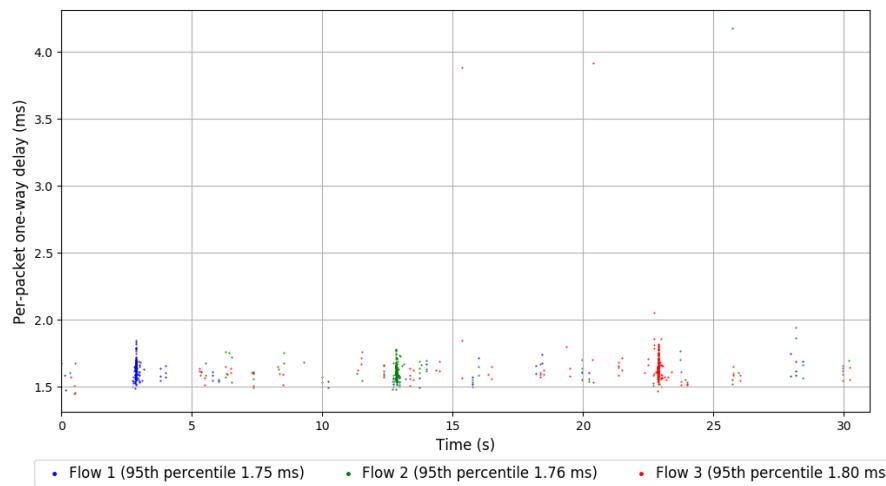
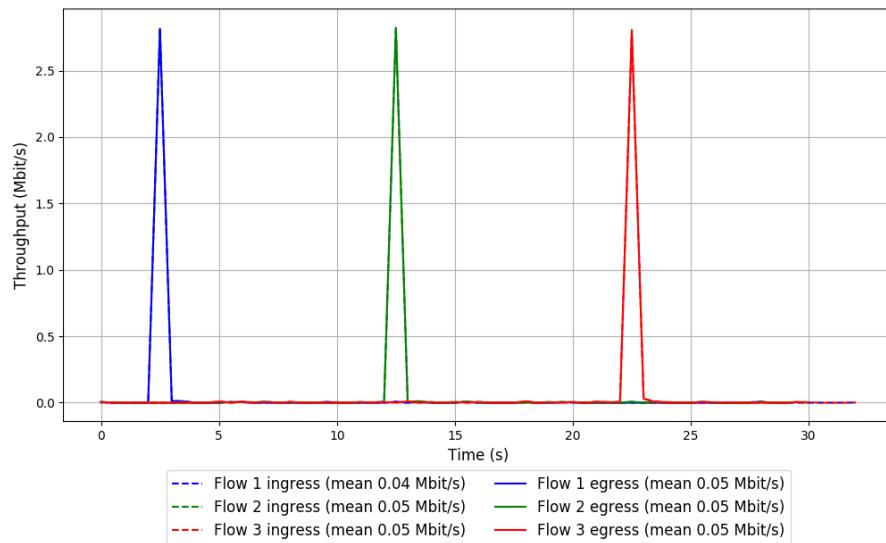


Run 7: Statistics of WebRTC media

```
Start at: 2018-03-06 15:01:41
End at: 2018-03-06 15:02:11
Local clock offset: 1.66 ms
Remote clock offset: 2.125 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.773 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.748 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.757 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.801 ms
Loss rate: 0.05%
```

### Run 7: Report of WebRTC media — Data Link

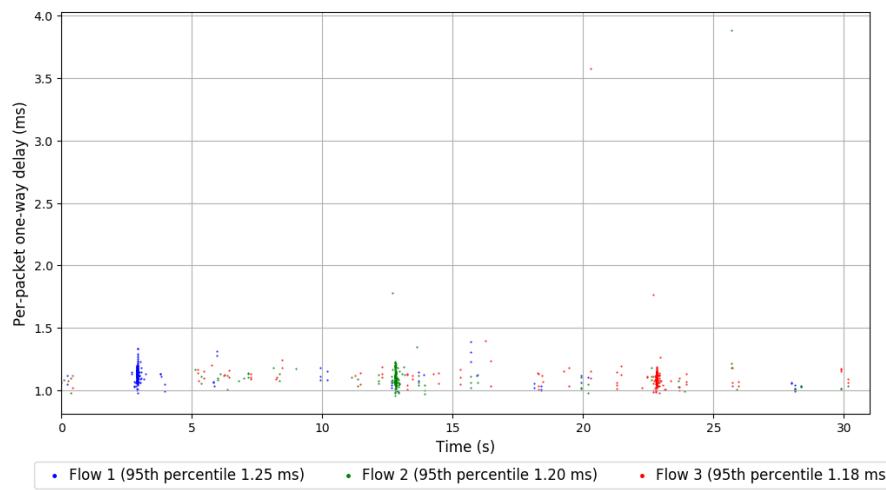
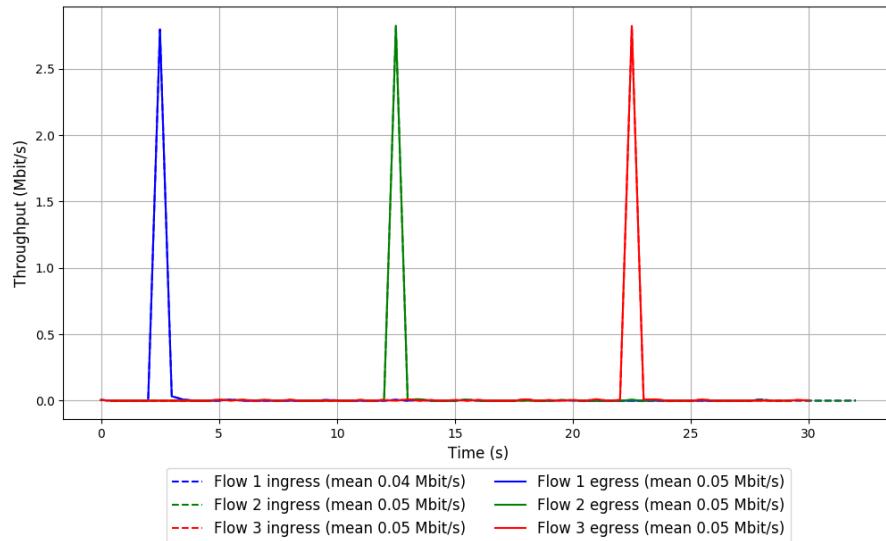


Run 8: Statistics of WebRTC media

```
Start at: 2018-03-06 15:30:52
End at: 2018-03-06 15:31:22
Local clock offset: 0.699 ms
Remote clock offset: 2.345 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

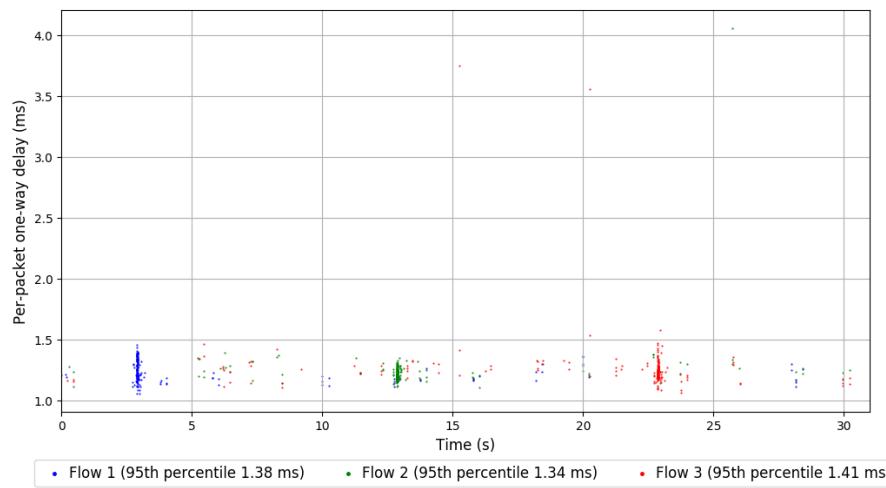
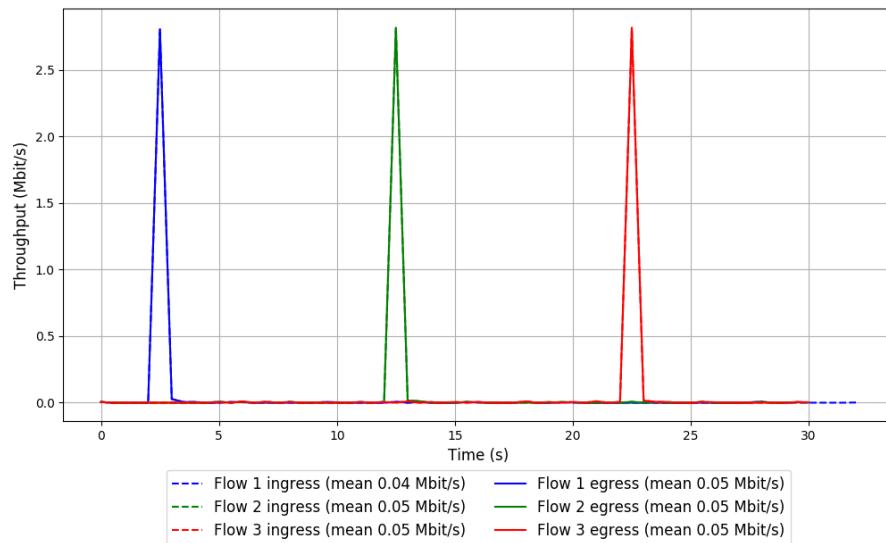


Run 9: Statistics of WebRTC media

```
Start at: 2018-03-06 16:00:13
End at: 2018-03-06 16:00:43
Local clock offset: -0.48 ms
Remote clock offset: 2.407 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.383 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.00%
```

### Run 9: Report of WebRTC media — Data Link

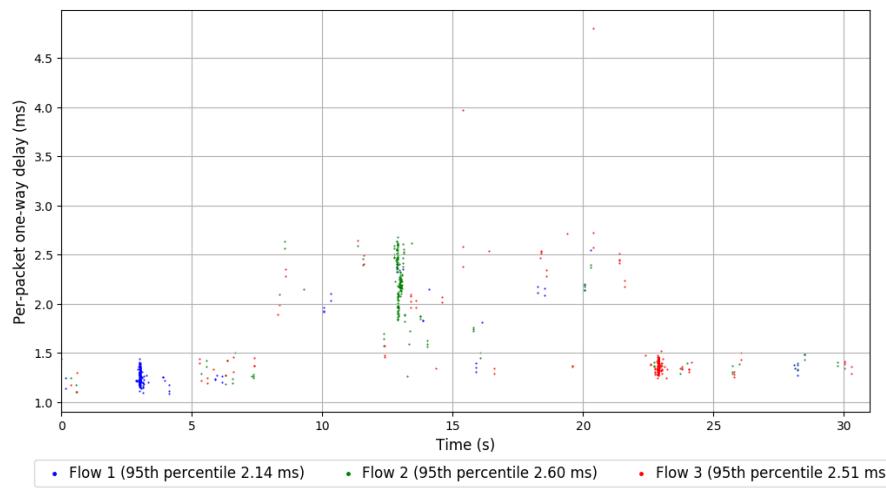
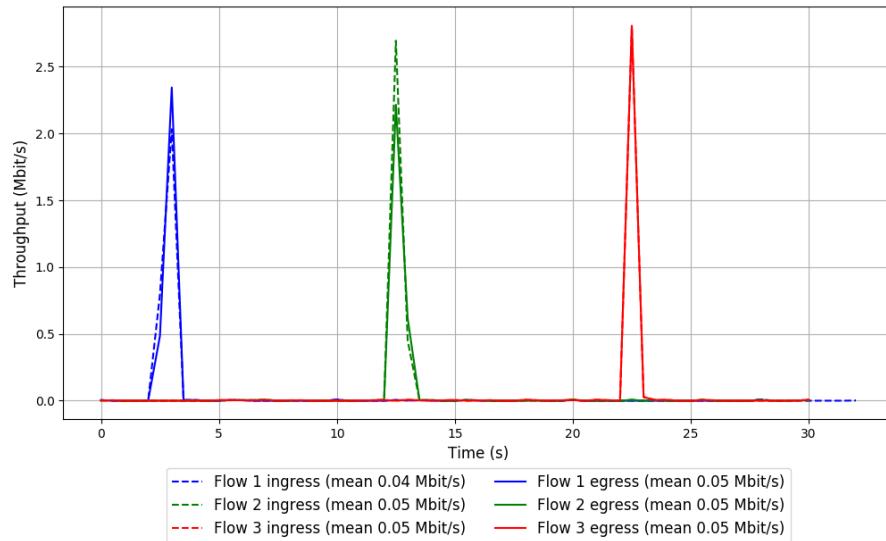


Run 10: Statistics of WebRTC media

```
Start at: 2018-03-06 16:29:08
End at: 2018-03-06 16:29:38
Local clock offset: -3.021 ms
Remote clock offset: 1.65 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 2.546 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.139 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.599 ms
Loss rate: 9.63%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.00%
```

### Run 10: Report of WebRTC media — Data Link

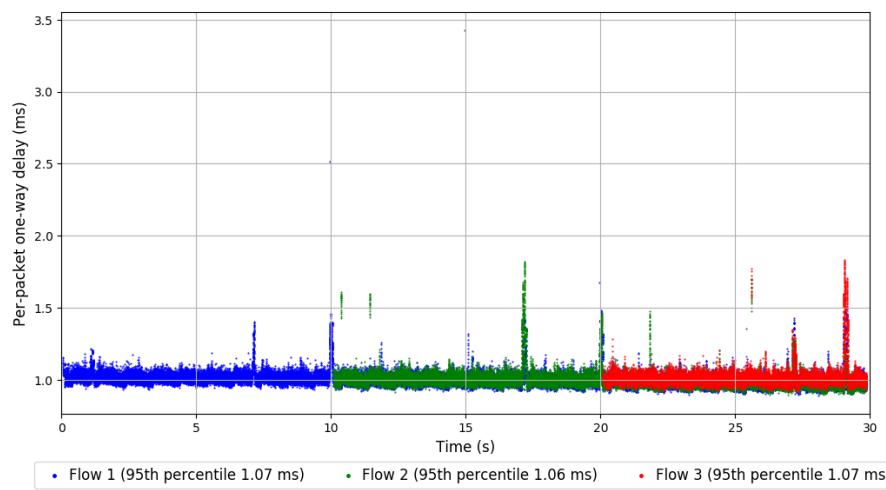
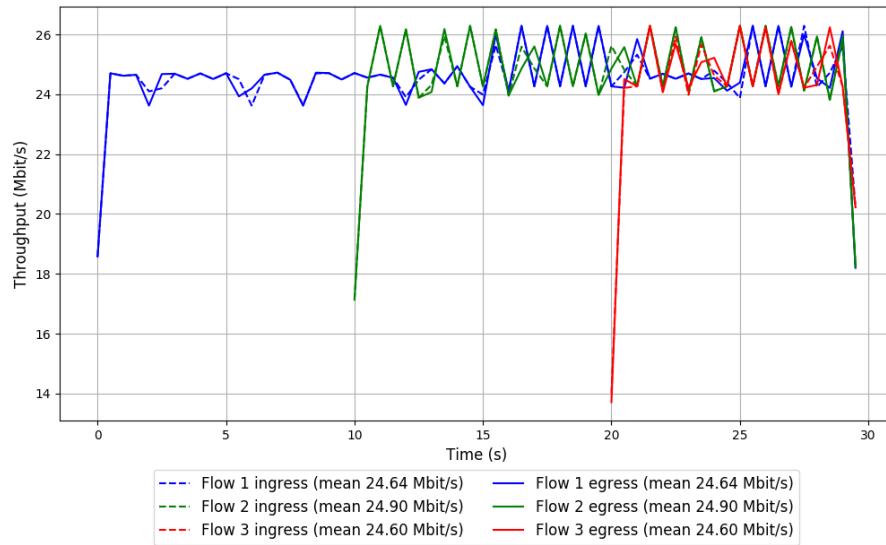


Run 1: Statistics of Sprout

```
Start at: 2018-03-06 11:51:50
End at: 2018-03-06 11:52:20
Local clock offset: 5.734 ms
Remote clock offset: 4.558 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.00%
```

## Run 1: Report of Sprout — Data Link

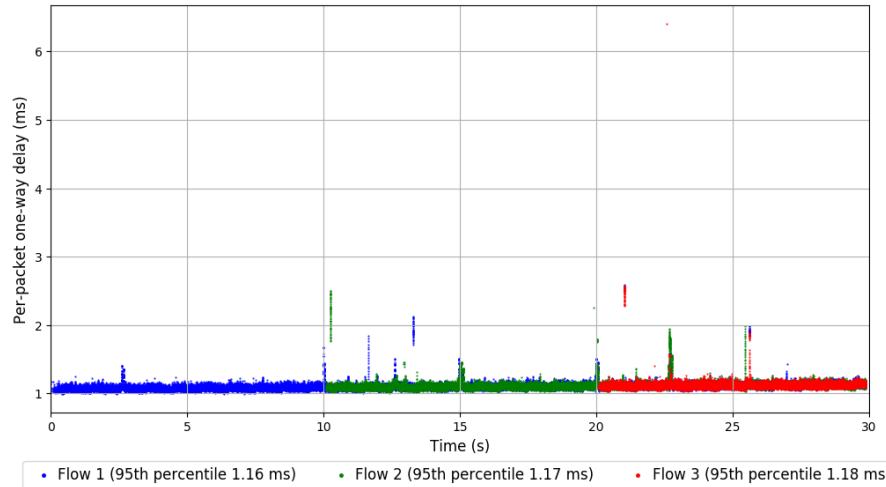
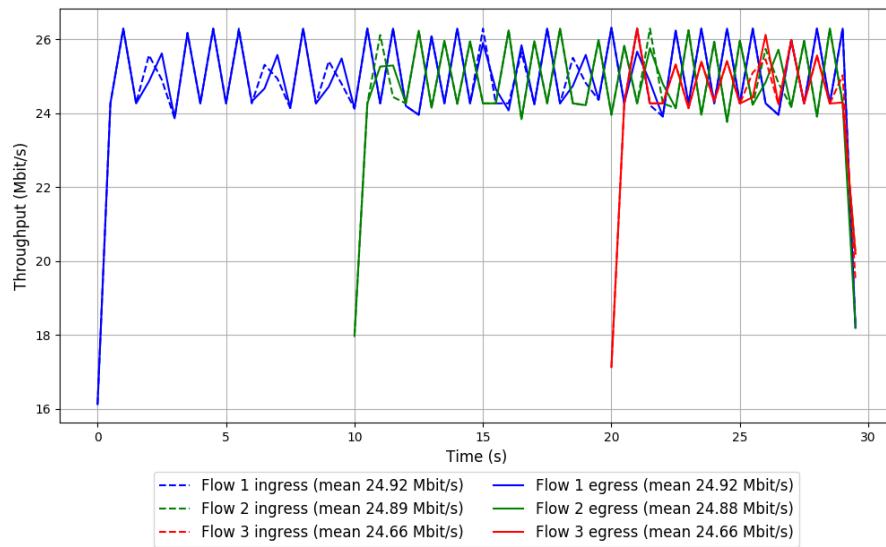


Run 2: Statistics of Sprout

```
Start at: 2018-03-06 12:21:35
End at: 2018-03-06 12:22:05
Local clock offset: -4.784 ms
Remote clock offset: 6.111 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

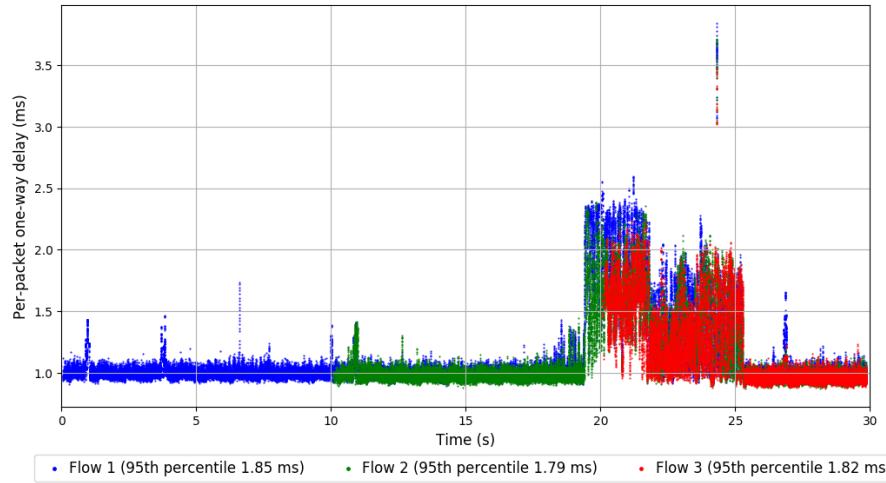
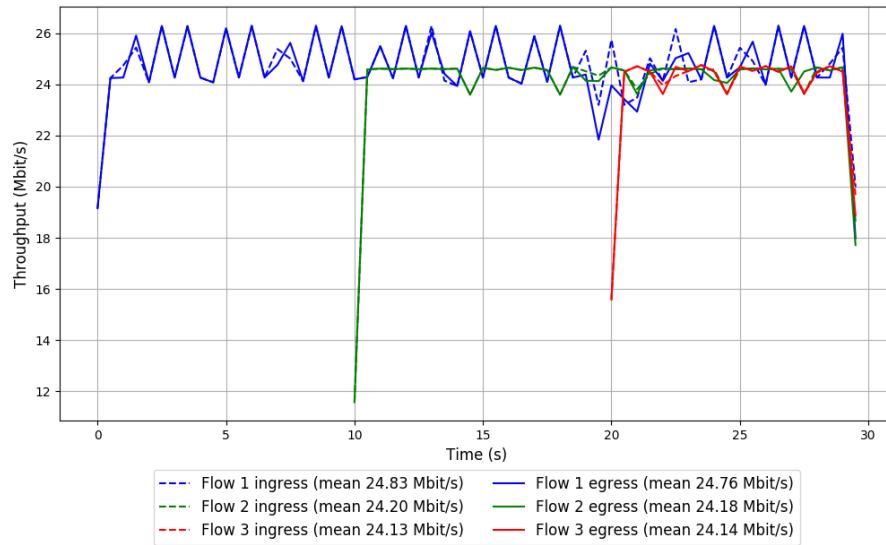


Run 3: Statistics of Sprout

```
Start at: 2018-03-06 12:51:16
End at: 2018-03-06 12:51:46
Local clock offset: -4.887 ms
Remote clock offset: 4.952 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 1.819 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 1.852 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 1.794 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 1.817 ms
Loss rate: 0.16%
```

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

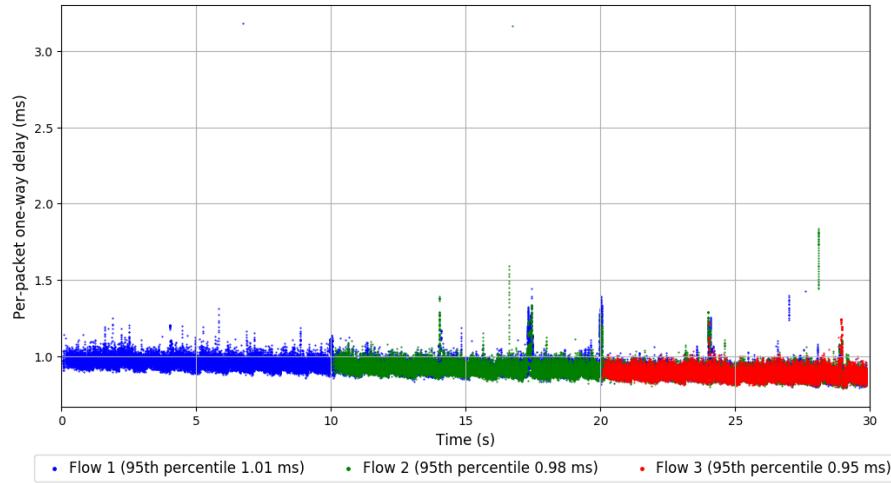
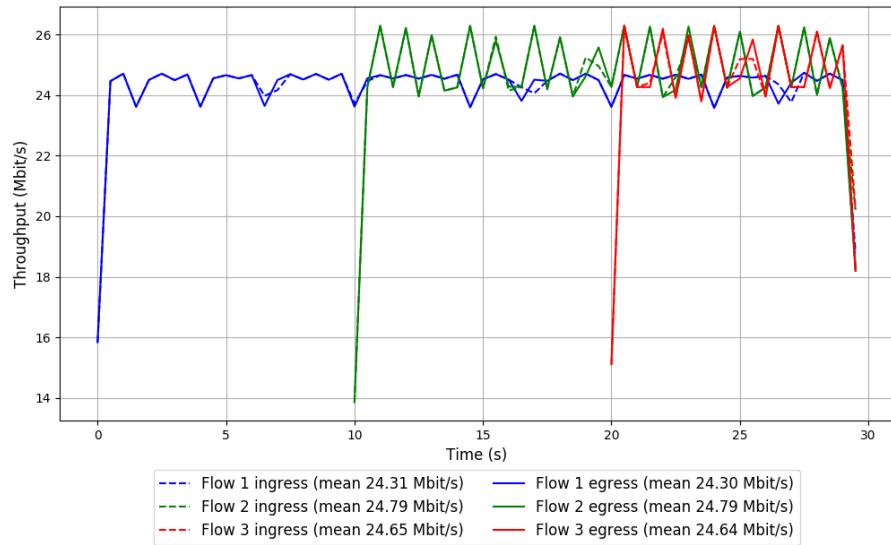


Run 4: Statistics of Sprout

```
Start at: 2018-03-06 13:20:32
End at: 2018-03-06 13:21:02
Local clock offset: -4.66 ms
Remote clock offset: 1.711 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.42%
```

## Run 4: Report of Sprout — Data Link

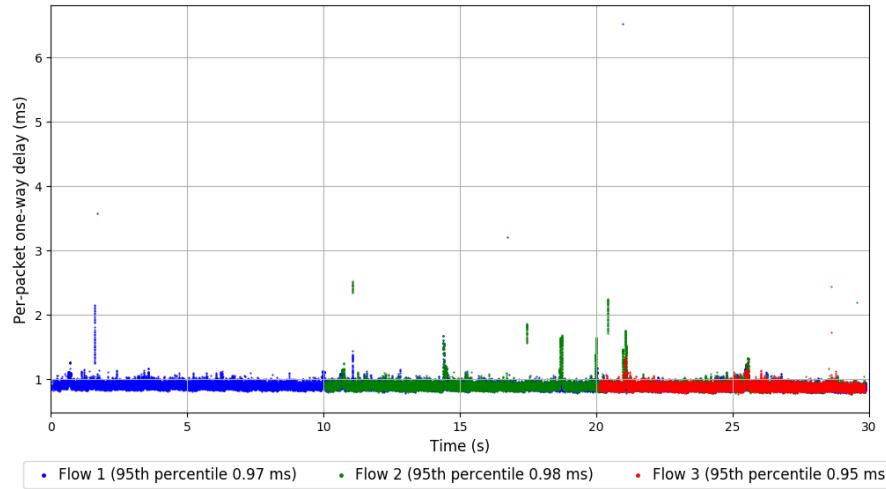
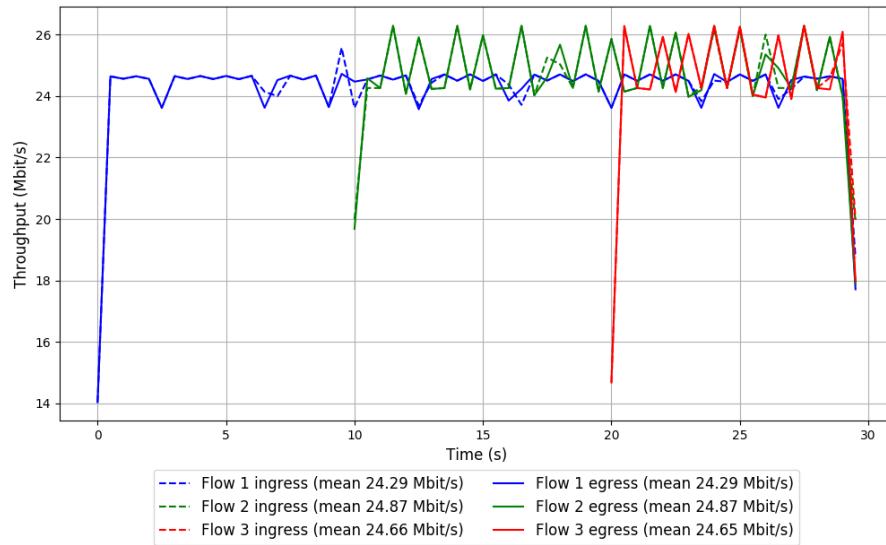


Run 5: Statistics of Sprout

```
Start at: 2018-03-06 13:50:05
End at: 2018-03-06 13:50:35
Local clock offset: 1.054 ms
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.41%
```

## Run 5: Report of Sprout — Data Link

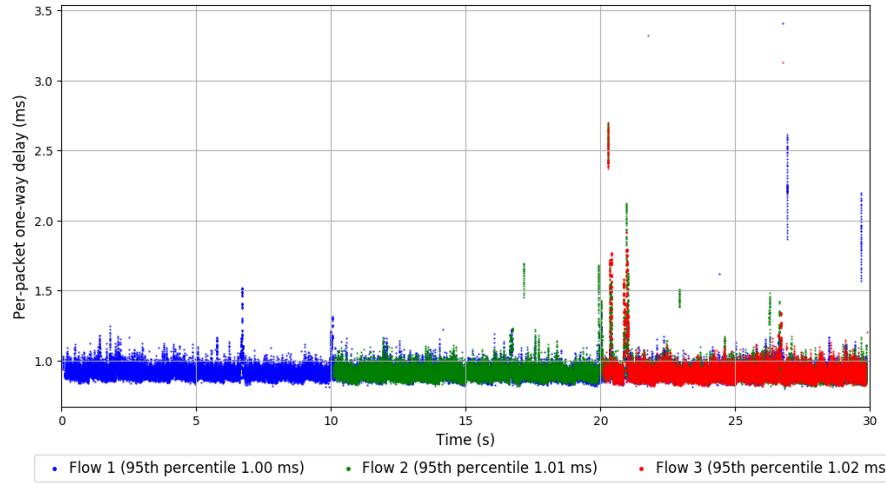
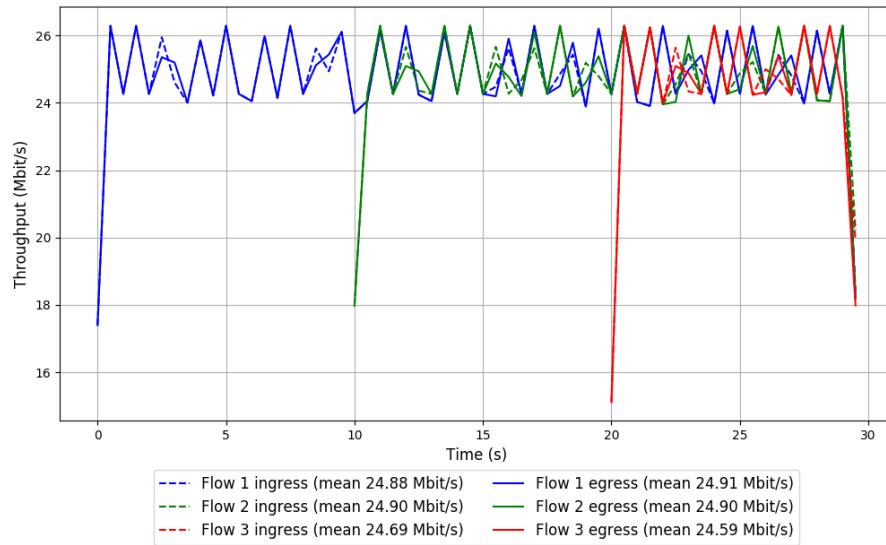


Run 6: Statistics of Sprout

```
Start at: 2018-03-06 14:19:29
End at: 2018-03-06 14:19:59
Local clock offset: 3.793 ms
Remote clock offset: 0.5 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.001 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.40%
```

Run 6: Report of Sprout — Data Link

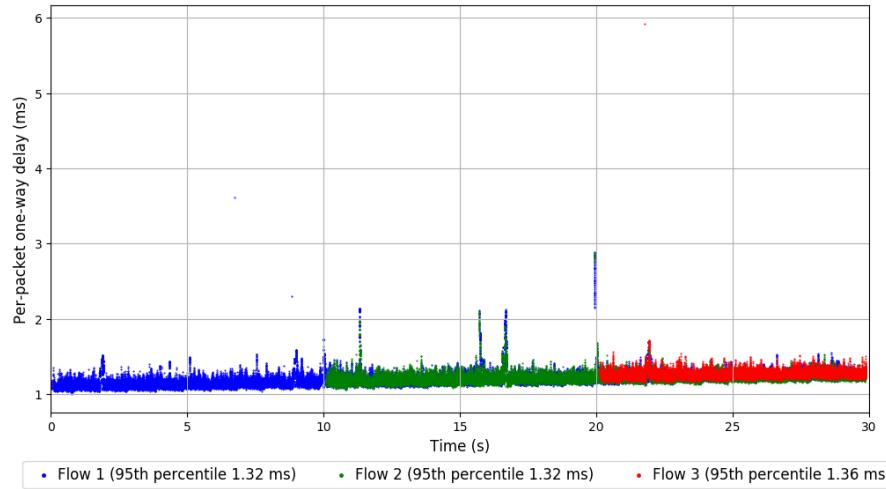
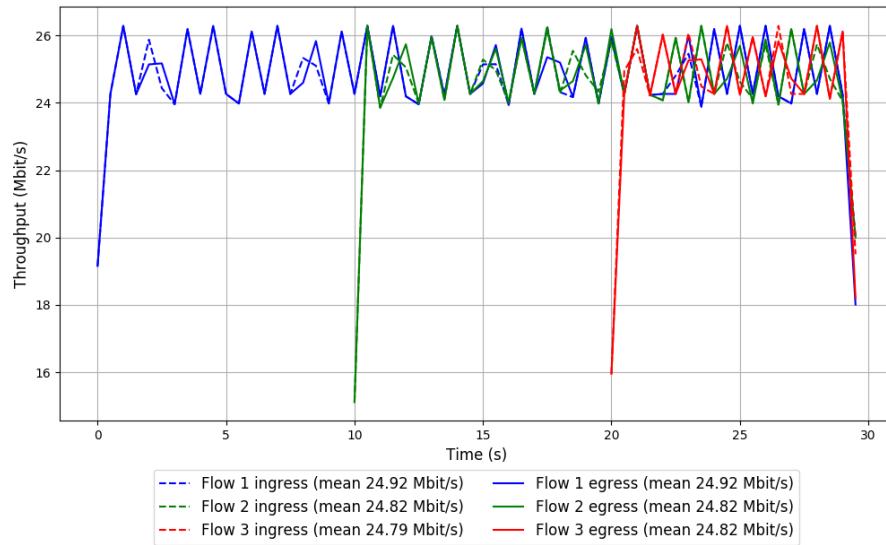


Run 7: Statistics of Sprout

```
Start at: 2018-03-06 14:49:03
End at: 2018-03-06 14:49:33
Local clock offset: 3.251 ms
Remote clock offset: 2.091 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.27%
```

### Run 7: Report of Sprout — Data Link

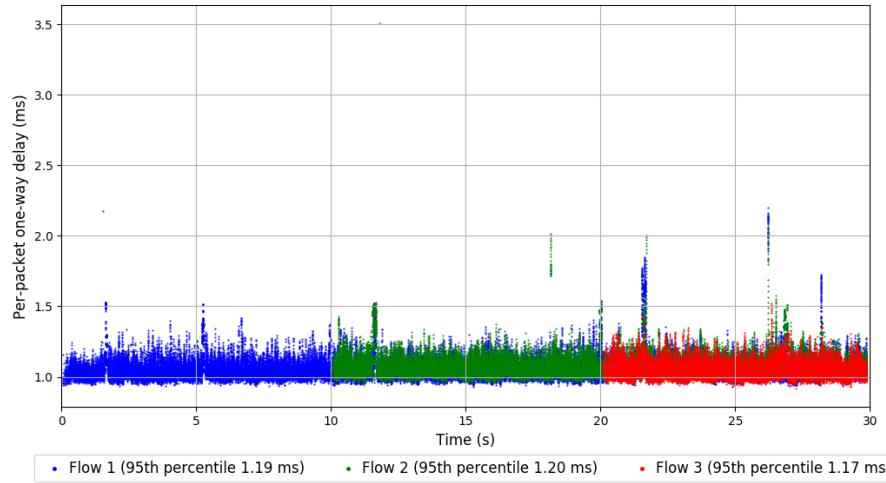
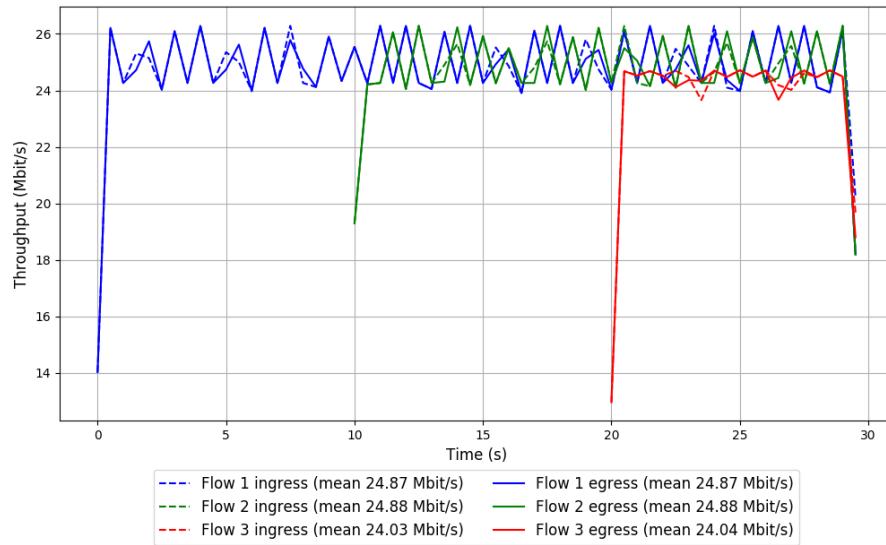


Run 8: Statistics of Sprout

```
Start at: 2018-03-06 15:23:23
End at: 2018-03-06 15:23:53
Local clock offset: 0.642 ms
Remote clock offset: 2.283 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.19%
```

## Run 8: Report of Sprout — Data Link

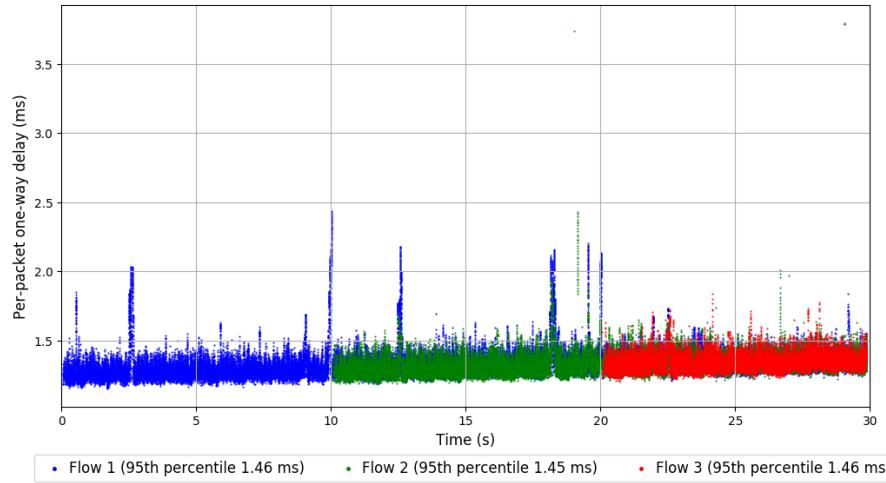
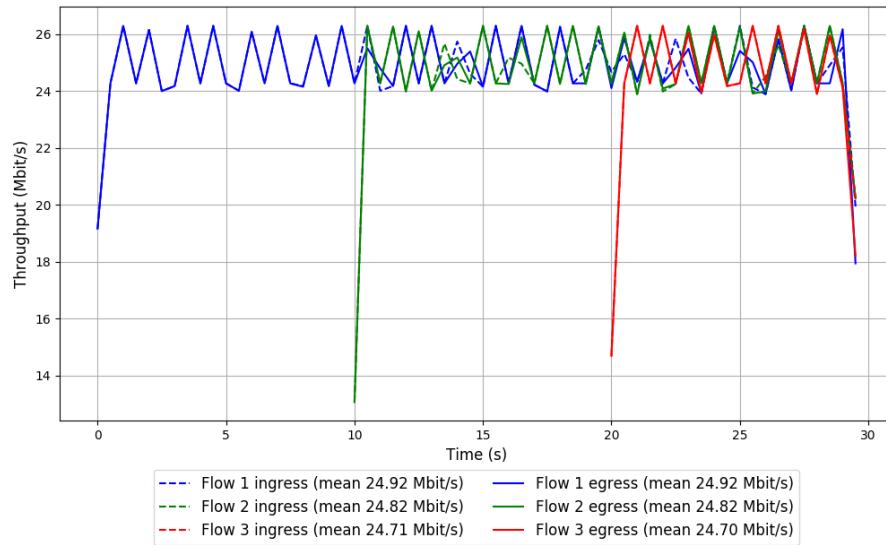


Run 9: Statistics of Sprout

```
Start at: 2018-03-06 15:52:31
End at: 2018-03-06 15:53:01
Local clock offset: 0.702 ms
Remote clock offset: 2.338 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.49 Mbit/s
95th percentile per-packet one-way delay: 1.457 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.458 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 1.461 ms
Loss rate: 0.42%
```

## Run 9: Report of Sprout — Data Link

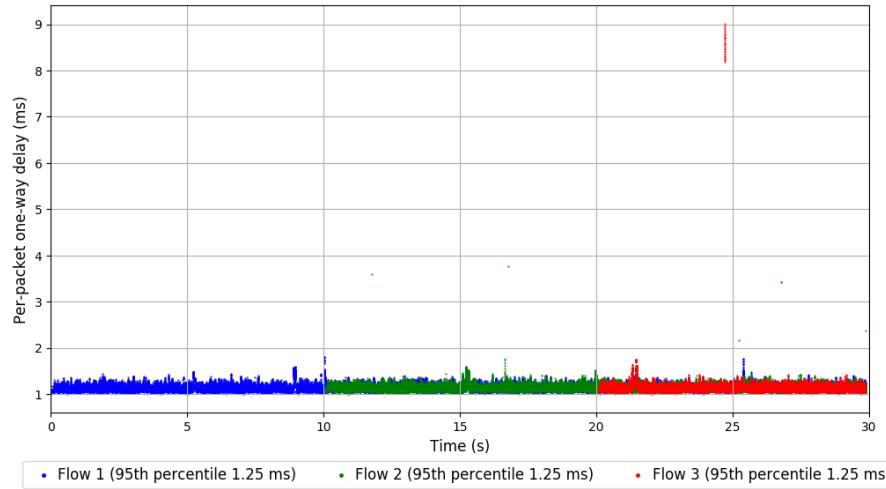
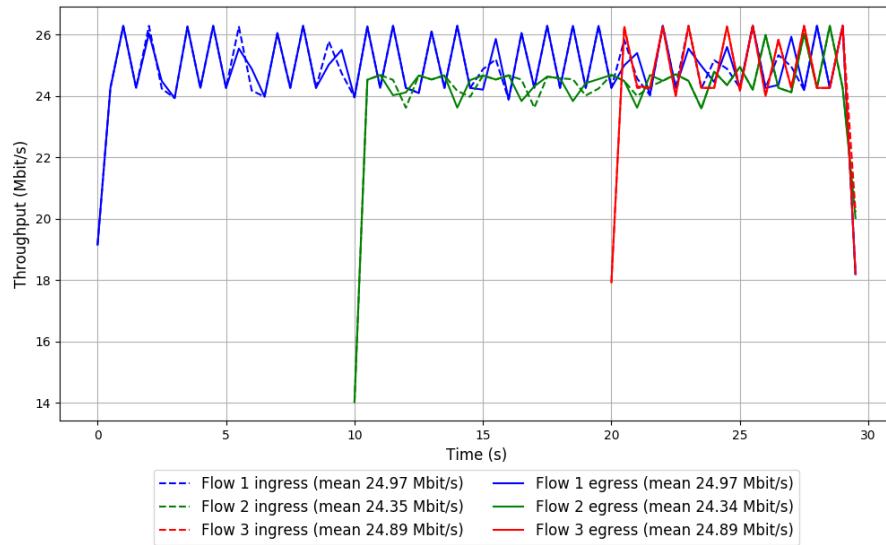


Run 10: Statistics of Sprout

```
Start at: 2018-03-06 16:21:28
End at: 2018-03-06 16:21:58
Local clock offset: -1.827 ms
Remote clock offset: 1.687 ms

# Below is generated by plot.py at 2018-03-06 22:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.41%
```

## Run 10: Report of Sprout — Data Link

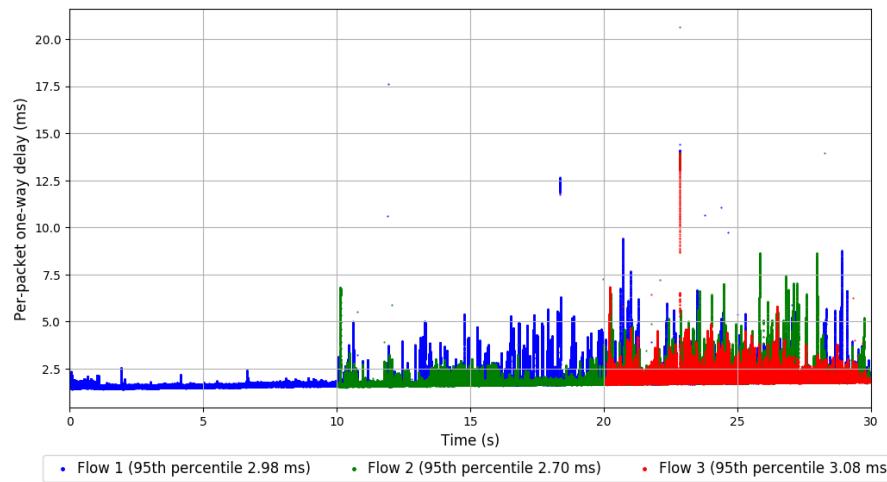
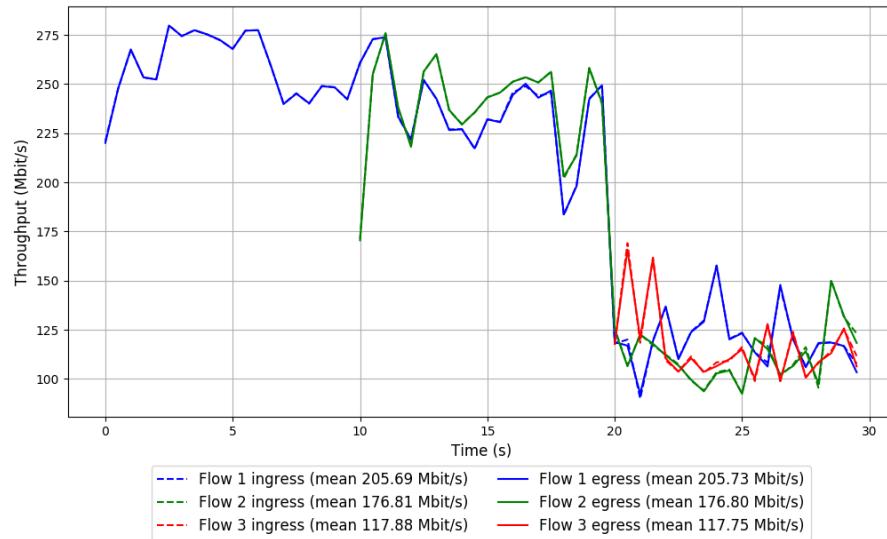


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-03-06 11:57:46
End at: 2018-03-06 11:58:16
Local clock offset: 1.824 ms
Remote clock offset: 4.862 ms

# Below is generated by plot.py at 2018-03-06 23:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 362.23 Mbit/s
95th percentile per-packet one-way delay: 2.905 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 205.73 Mbit/s
95th percentile per-packet one-way delay: 2.979 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 176.80 Mbit/s
95th percentile per-packet one-way delay: 2.698 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 117.75 Mbit/s
95th percentile per-packet one-way delay: 3.076 ms
Loss rate: 0.36%
```

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

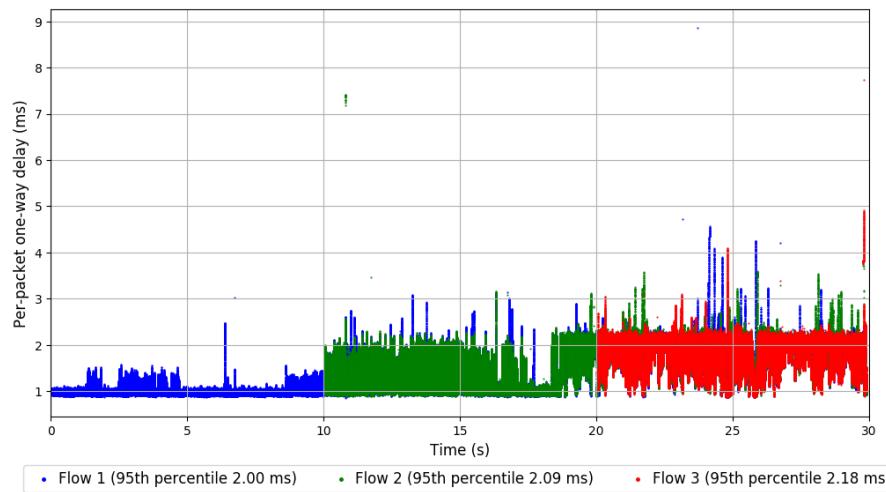
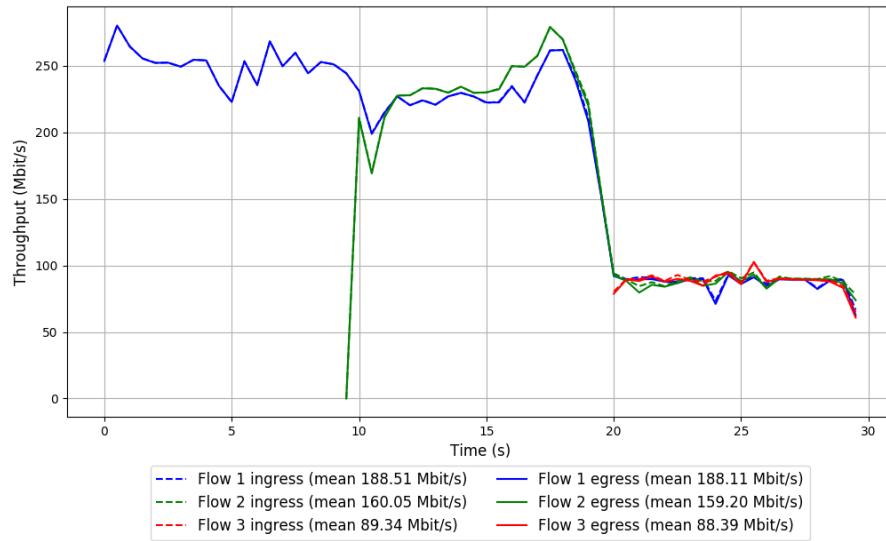


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-03-06 12:27:27
End at: 2018-03-06 12:27:57
Local clock offset: -5.056 ms
Remote clock offset: 6.513 ms

# Below is generated by plot.py at 2018-03-06 23:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.33 Mbit/s
95th percentile per-packet one-way delay: 2.071 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 188.11 Mbit/s
95th percentile per-packet one-way delay: 1.999 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 159.20 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 2.183 ms
Loss rate: 1.30%
```

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

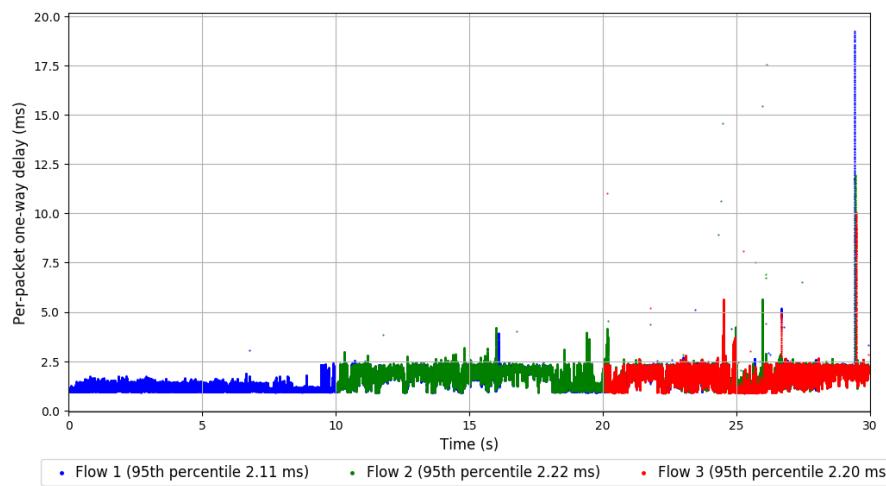
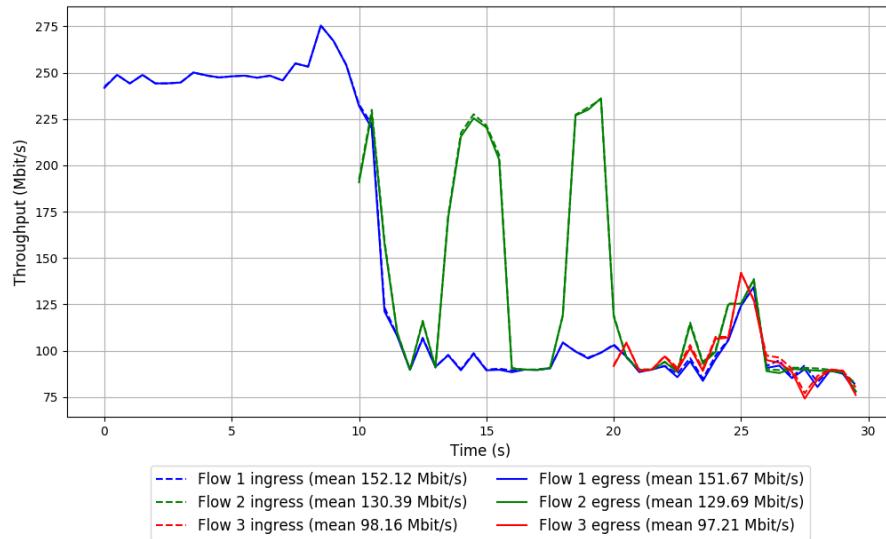


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-03-06 12:57:10
End at: 2018-03-06 12:57:40
Local clock offset: -4.836 ms
Remote clock offset: 4.75 ms

# Below is generated by plot.py at 2018-03-06 23:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.06 Mbit/s
95th percentile per-packet one-way delay: 2.165 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 151.67 Mbit/s
95th percentile per-packet one-way delay: 2.108 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 129.69 Mbit/s
95th percentile per-packet one-way delay: 2.217 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 2.203 ms
Loss rate: 1.18%
```

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

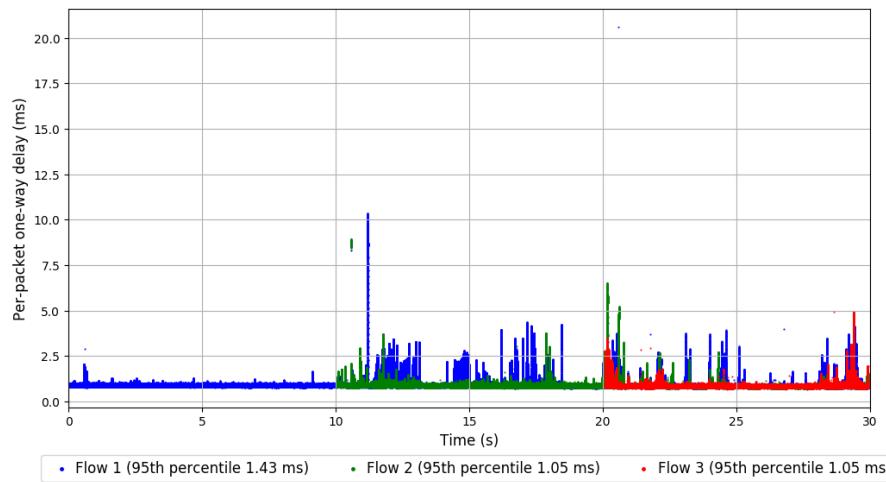
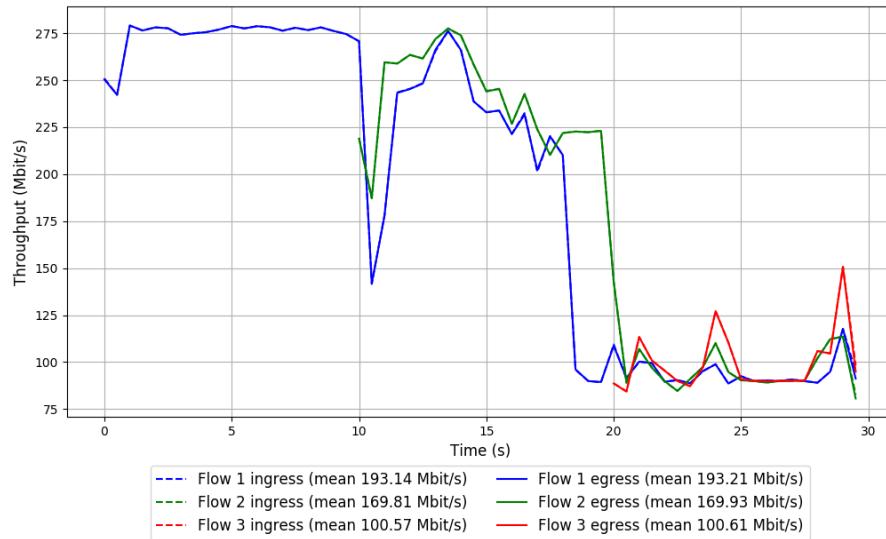


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-03-06 13:26:26
End at: 2018-03-06 13:26:56
Local clock offset: -4.77 ms
Remote clock offset: 0.651 ms

# Below is generated by plot.py at 2018-03-06 23:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 339.45 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 193.21 Mbit/s
95th percentile per-packet one-way delay: 1.432 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 169.93 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 100.61 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.19%
```

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

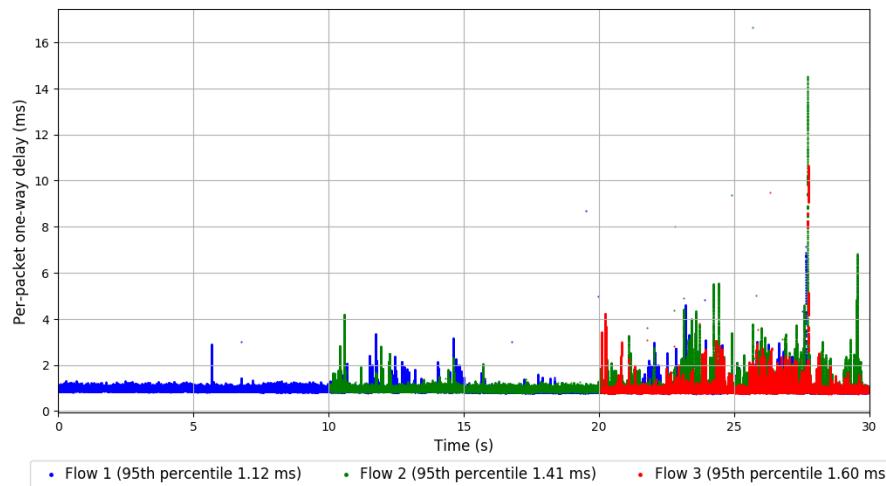
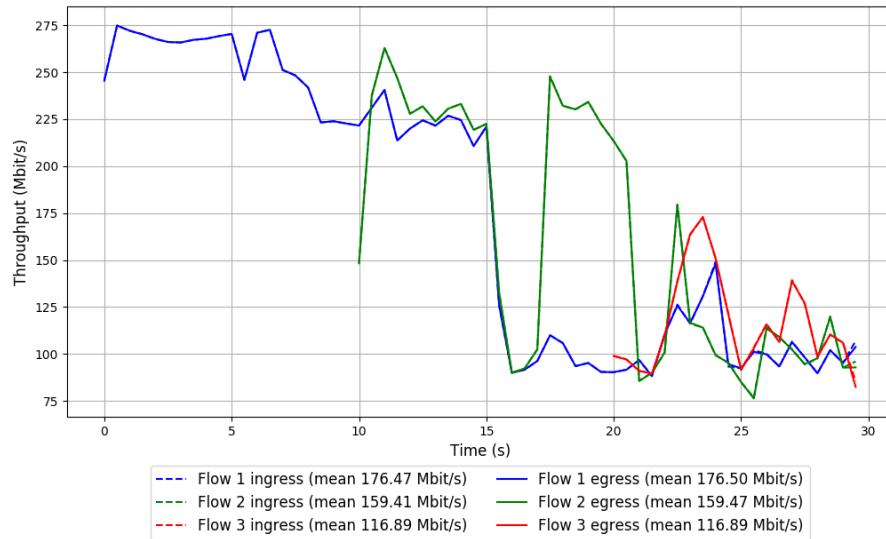


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-03-06 13:56:00
End at: 2018-03-06 13:56:30
Local clock offset: 2.293 ms
Remote clock offset: 0.279 ms

# Below is generated by plot.py at 2018-03-06 23:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 321.20 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 176.50 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 159.47 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 116.89 Mbit/s
95th percentile per-packet one-way delay: 1.601 ms
Loss rate: 0.19%
```

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

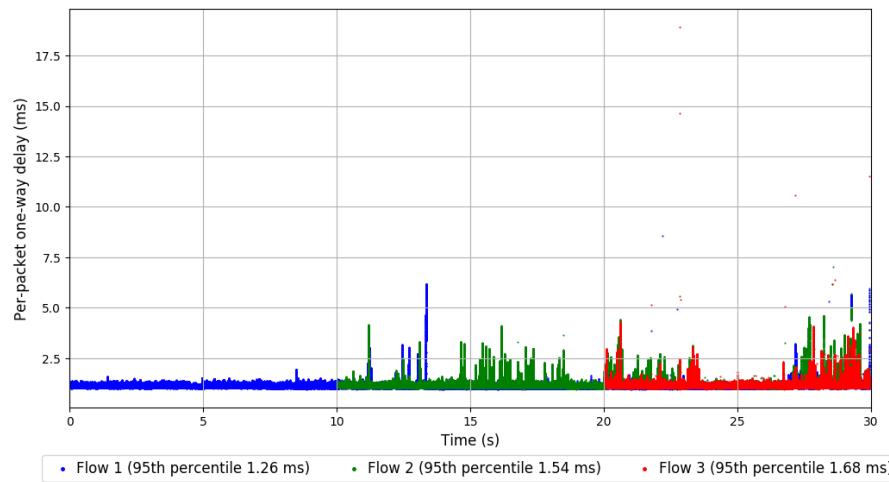
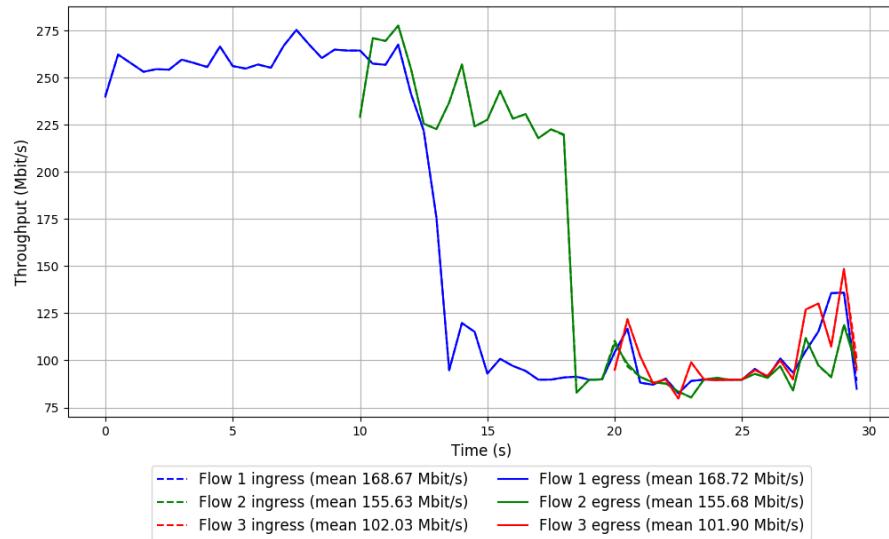


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-03-06 14:25:27
End at: 2018-03-06 14:25:57
Local clock offset: 4.085 ms
Remote clock offset: 1.069 ms

# Below is generated by plot.py at 2018-03-06 23:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.94 Mbit/s
95th percentile per-packet one-way delay: 1.347 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 168.72 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 155.68 Mbit/s
95th percentile per-packet one-way delay: 1.536 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 101.90 Mbit/s
95th percentile per-packet one-way delay: 1.680 ms
Loss rate: 0.31%
```

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

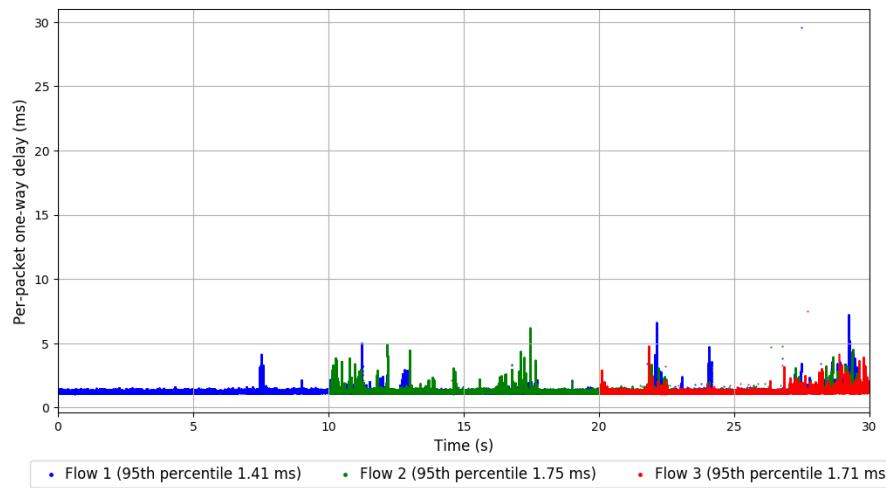
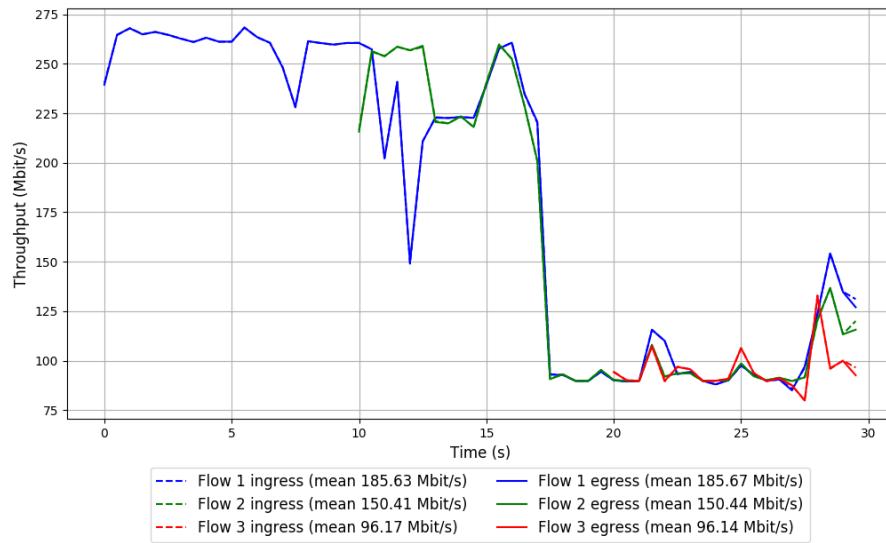


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-03-06 14:54:57
End at: 2018-03-06 14:55:27
Local clock offset: 1.982 ms
Remote clock offset: 2.128 ms

# Below is generated by plot.py at 2018-03-06 23:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 317.50 Mbit/s
95th percentile per-packet one-way delay: 1.519 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 185.67 Mbit/s
95th percentile per-packet one-way delay: 1.407 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 150.44 Mbit/s
95th percentile per-packet one-way delay: 1.753 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 1.711 ms
Loss rate: 0.22%
```

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

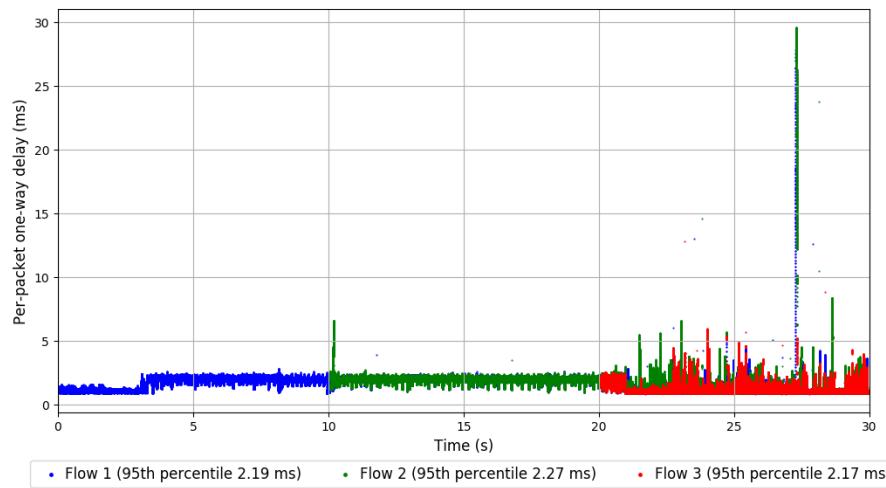
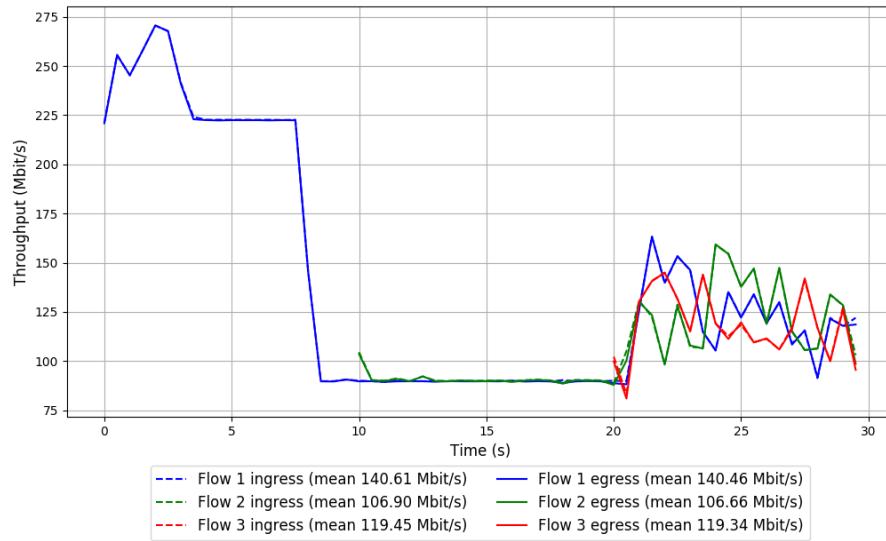


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-03-06 15:29:16
End at: 2018-03-06 15:29:46
Local clock offset: 0.684 ms
Remote clock offset: 2.378 ms

# Below is generated by plot.py at 2018-03-06 23:03:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 250.86 Mbit/s
95th percentile per-packet one-way delay: 2.204 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 140.46 Mbit/s
95th percentile per-packet one-way delay: 2.190 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 106.66 Mbit/s
95th percentile per-packet one-way delay: 2.266 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 119.34 Mbit/s
95th percentile per-packet one-way delay: 2.171 ms
Loss rate: 0.34%
```

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

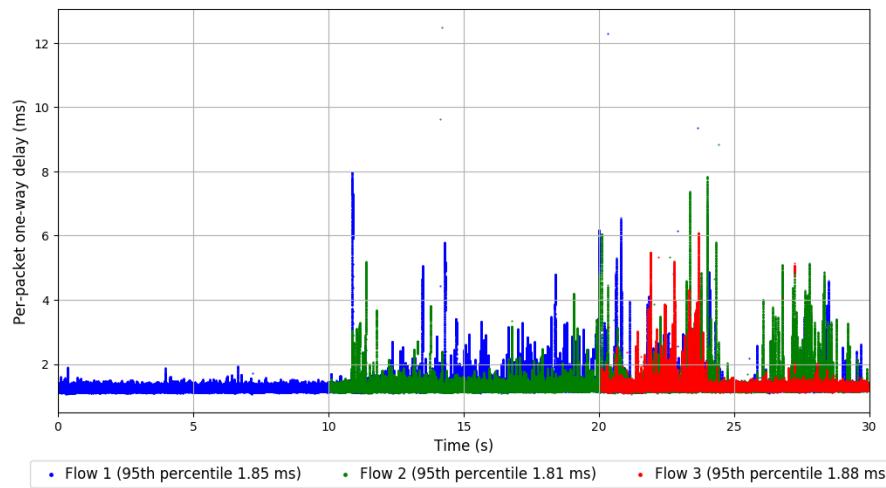
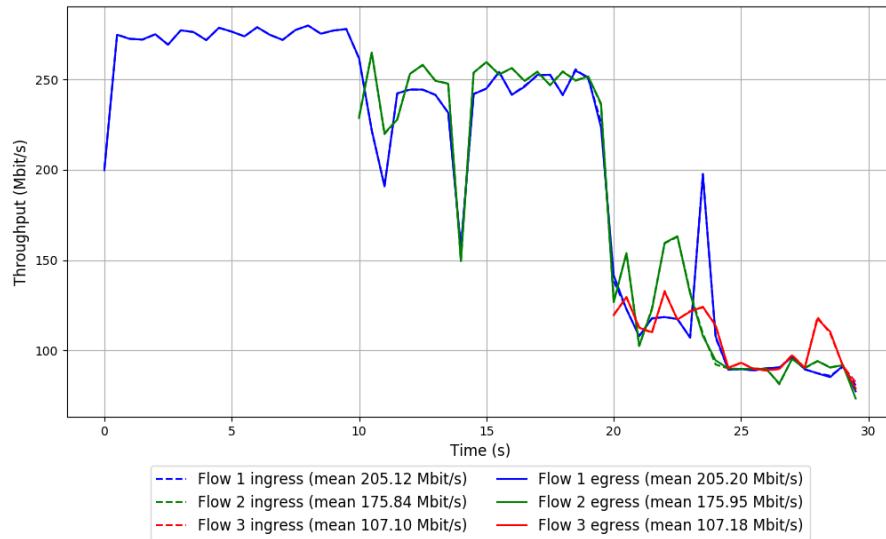


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-03-06 15:58:29
End at: 2018-03-06 15:58:59
Local clock offset: -0.297 ms
Remote clock offset: 2.366 ms

# Below is generated by plot.py at 2018-03-06 23:09:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.58 Mbit/s
95th percentile per-packet one-way delay: 1.843 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 205.20 Mbit/s
95th percentile per-packet one-way delay: 1.850 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 175.95 Mbit/s
95th percentile per-packet one-way delay: 1.813 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 107.18 Mbit/s
95th percentile per-packet one-way delay: 1.875 ms
Loss rate: 0.17%
```

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

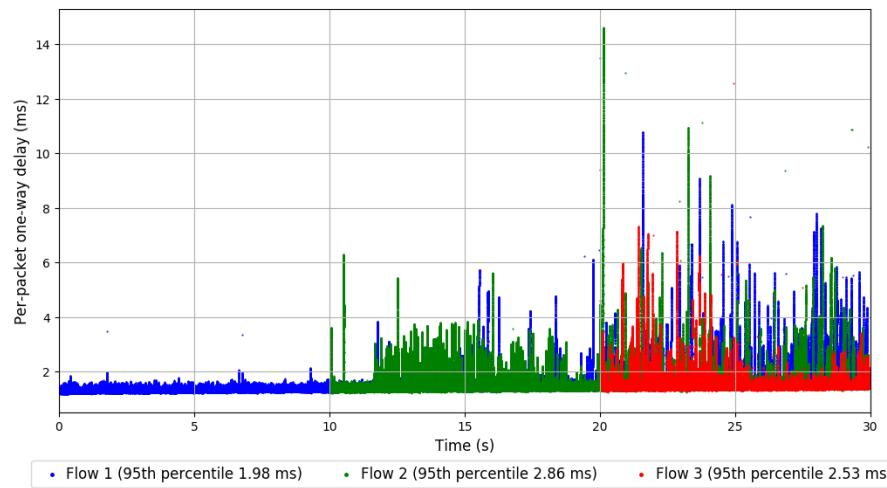
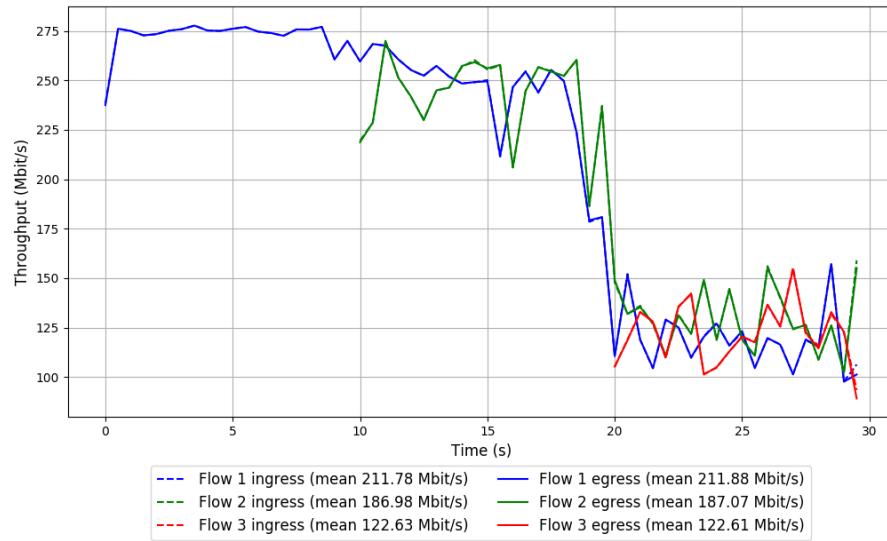


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-03-06 16:27:24
End at: 2018-03-06 16:27:54
Local clock offset: -2.424 ms
Remote clock offset: 1.541 ms

# Below is generated by plot.py at 2018-03-06 23:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.77 Mbit/s
95th percentile per-packet one-way delay: 2.486 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 211.88 Mbit/s
95th percentile per-packet one-way delay: 1.983 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 187.07 Mbit/s
95th percentile per-packet one-way delay: 2.862 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 122.61 Mbit/s
95th percentile per-packet one-way delay: 2.526 ms
Loss rate: 0.19%
```

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

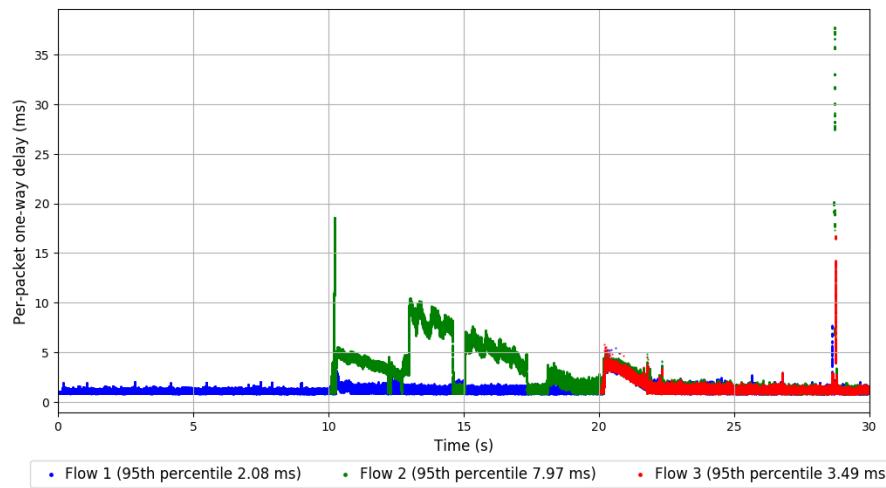
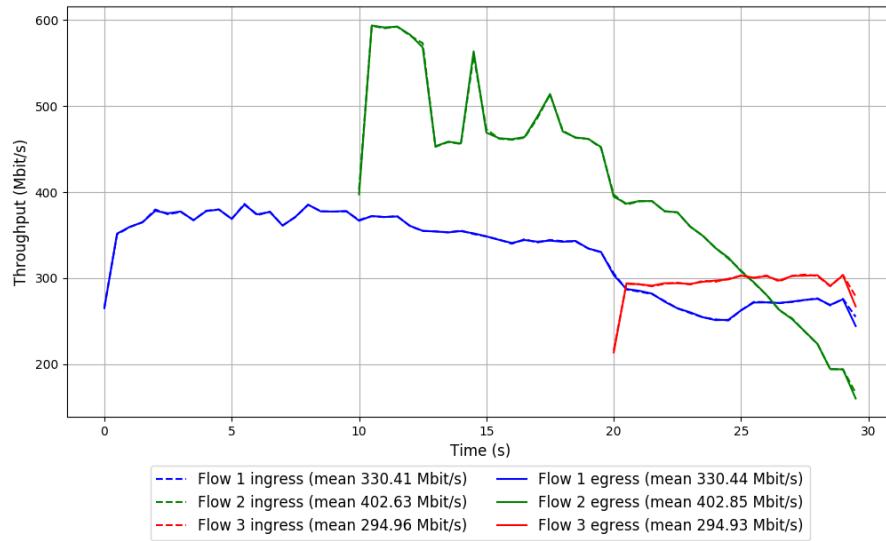


Run 1: Statistics of TCP Vegas

```
Start at: 2018-03-06 11:50:05
End at: 2018-03-06 11:50:35
Local clock offset: 5.353 ms
Remote clock offset: 4.453 ms

# Below is generated by plot.py at 2018-03-06 23:11:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 696.16 Mbit/s
95th percentile per-packet one-way delay: 5.750 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 330.44 Mbit/s
95th percentile per-packet one-way delay: 2.085 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 402.85 Mbit/s
95th percentile per-packet one-way delay: 7.966 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 294.93 Mbit/s
95th percentile per-packet one-way delay: 3.489 ms
Loss rate: 0.21%
```

Run 1: Report of TCP Vegas — Data Link

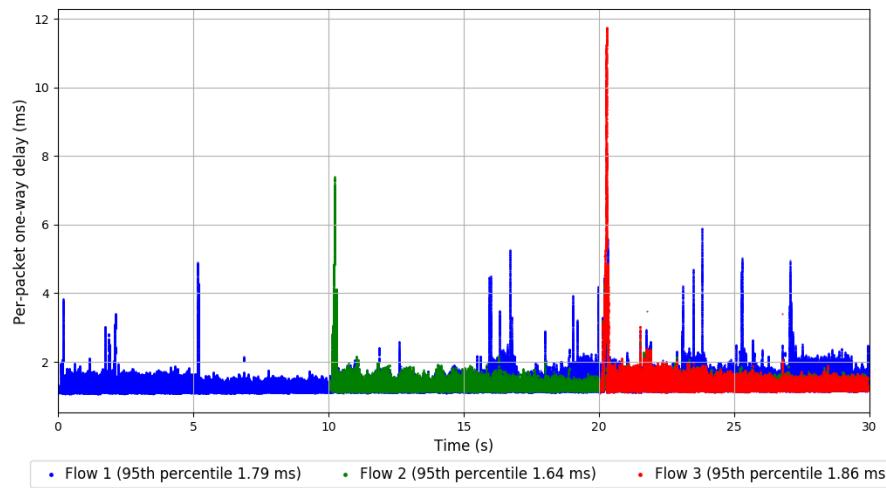
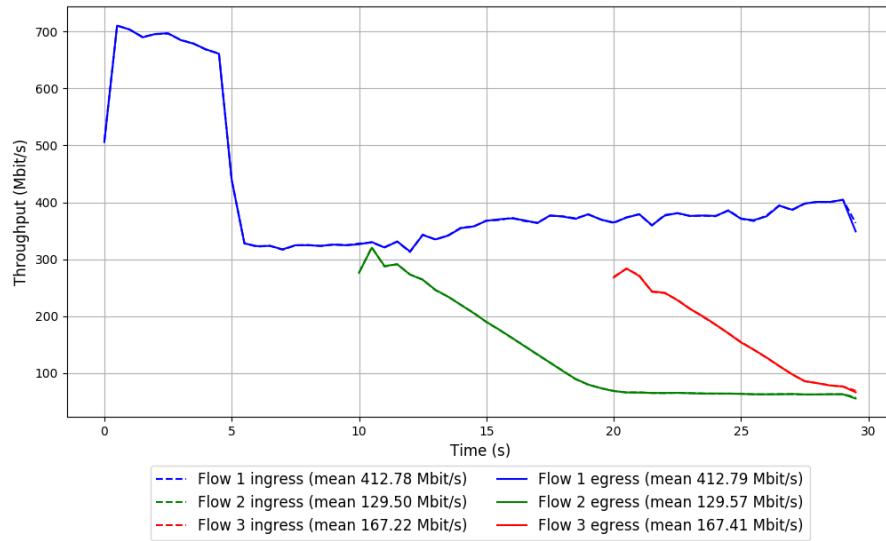


Run 2: Statistics of TCP Vegas

```
Start at: 2018-03-06 12:19:56
End at: 2018-03-06 12:20:26
Local clock offset: -4.576 ms
Remote clock offset: 6.031 ms

# Below is generated by plot.py at 2018-03-06 23:11:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 554.47 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 412.79 Mbit/s
95th percentile per-packet one-way delay: 1.787 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 129.57 Mbit/s
95th percentile per-packet one-way delay: 1.640 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 167.41 Mbit/s
95th percentile per-packet one-way delay: 1.863 ms
Loss rate: 0.09%
```

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

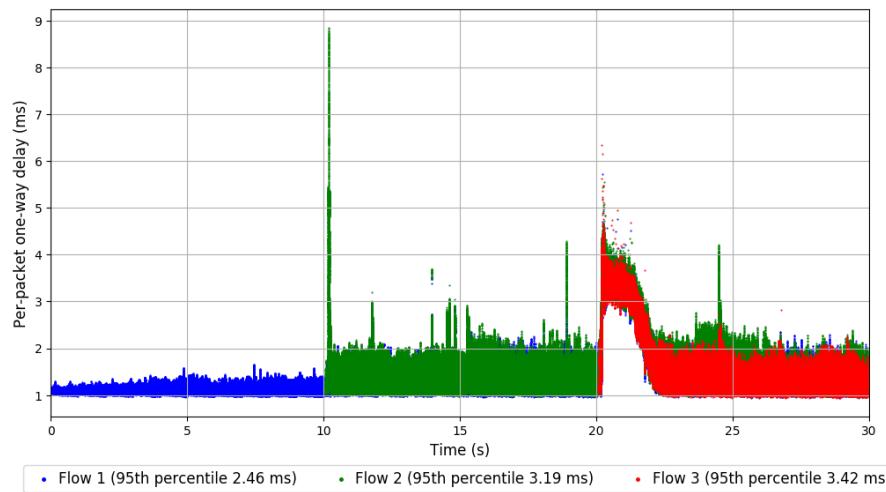
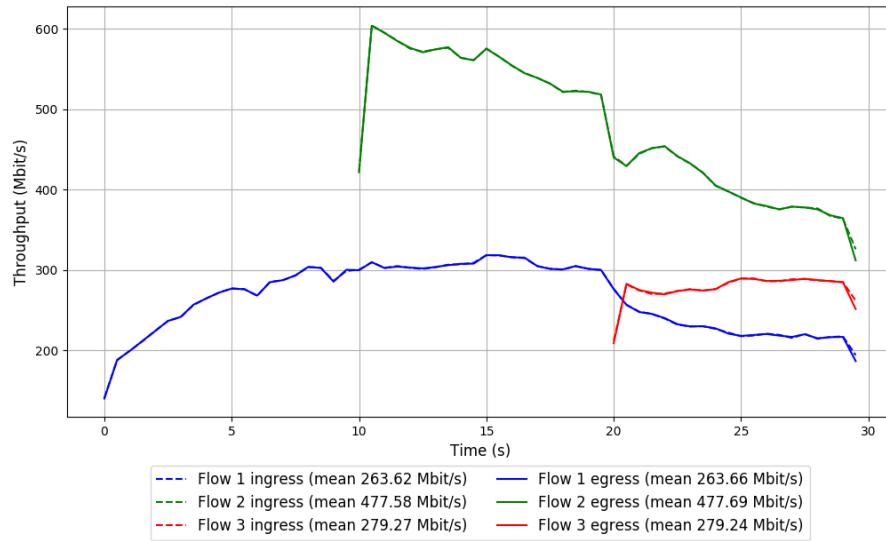


Run 3: Statistics of TCP Vegas

```
Start at: 2018-03-06 12:49:32
End at: 2018-03-06 12:50:02
Local clock offset: -4.784 ms
Remote clock offset: 5.062 ms

# Below is generated by plot.py at 2018-03-06 23:11:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 673.99 Mbit/s
95th percentile per-packet one-way delay: 3.187 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 263.66 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 477.69 Mbit/s
95th percentile per-packet one-way delay: 3.185 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 279.24 Mbit/s
95th percentile per-packet one-way delay: 3.425 ms
Loss rate: 0.21%
```

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

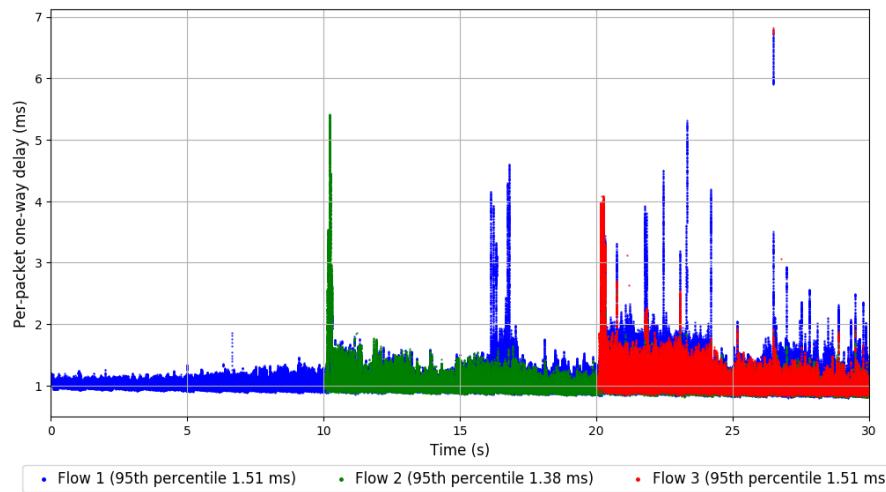
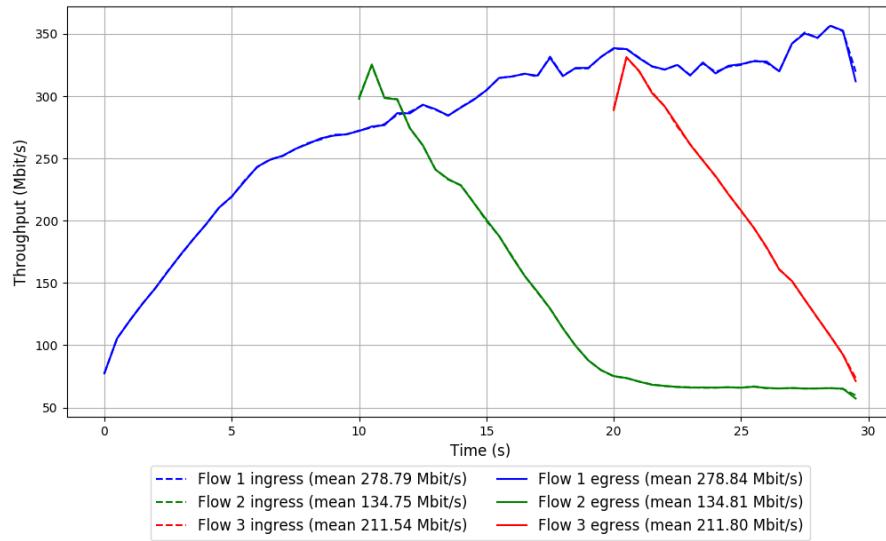


Run 4: Statistics of TCP Vegas

```
Start at: 2018-03-06 13:18:55
End at: 2018-03-06 13:19:25
Local clock offset: -4.675 ms
Remote clock offset: 2.009 ms

# Below is generated by plot.py at 2018-03-06 23:11:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 438.73 Mbit/s
95th percentile per-packet one-way delay: 1.496 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 278.84 Mbit/s
95th percentile per-packet one-way delay: 1.514 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 134.81 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 211.80 Mbit/s
95th percentile per-packet one-way delay: 1.511 ms
Loss rate: 0.07%
```

Run 4: Report of TCP Vegas — Data Link

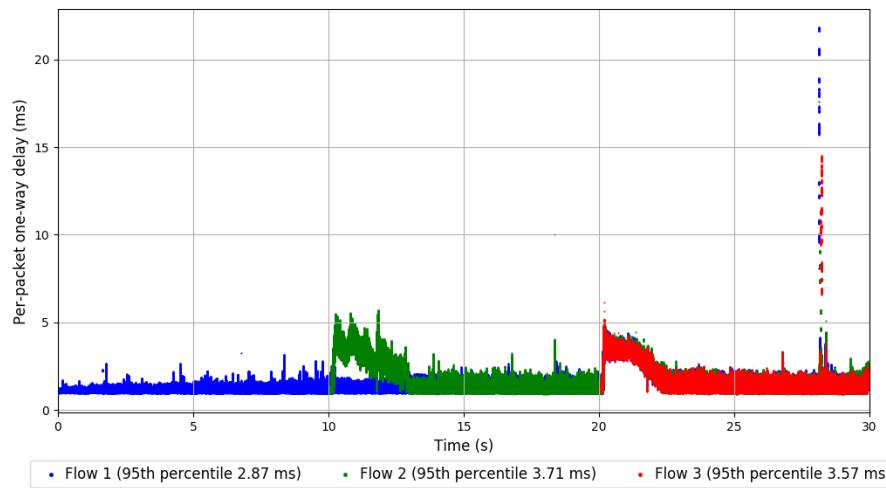
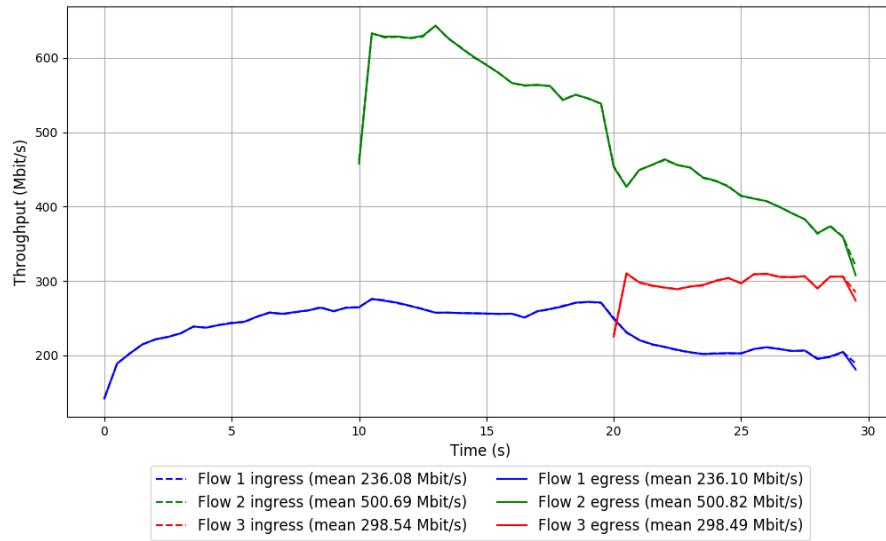


Run 5: Statistics of TCP Vegas

```
Start at: 2018-03-06 13:48:17
End at: 2018-03-06 13:48:47
Local clock offset: 0.724 ms
Remote clock offset: -0.727 ms

# Below is generated by plot.py at 2018-03-06 23:11:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 668.17 Mbit/s
95th percentile per-packet one-way delay: 3.550 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 236.10 Mbit/s
95th percentile per-packet one-way delay: 2.867 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 500.82 Mbit/s
95th percentile per-packet one-way delay: 3.707 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 298.49 Mbit/s
95th percentile per-packet one-way delay: 3.573 ms
Loss rate: 0.21%
```

Run 5: Report of TCP Vegas — Data Link

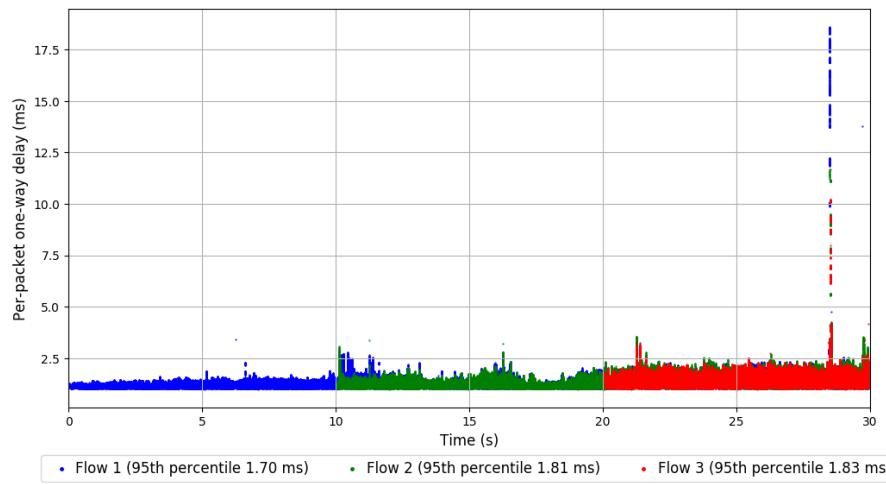
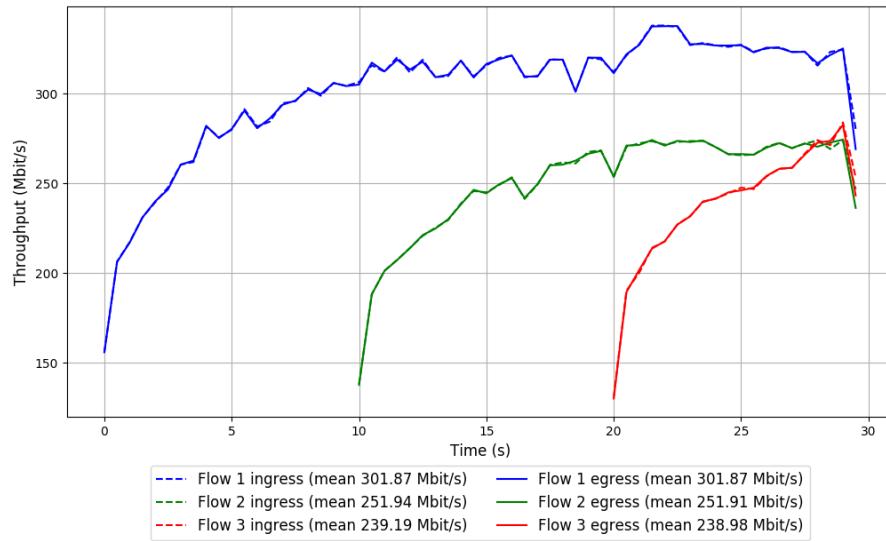


Run 6: Statistics of TCP Vegas

```
Start at: 2018-03-06 14:17:45
End at: 2018-03-06 14:18:15
Local clock offset: 3.893 ms
Remote clock offset: 0.452 ms

# Below is generated by plot.py at 2018-03-06 23:11:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 548.65 Mbit/s
95th percentile per-packet one-way delay: 1.764 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 301.87 Mbit/s
95th percentile per-packet one-way delay: 1.703 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 251.91 Mbit/s
95th percentile per-packet one-way delay: 1.808 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 238.98 Mbit/s
95th percentile per-packet one-way delay: 1.831 ms
Loss rate: 0.25%
```

Run 6: Report of TCP Vegas — Data Link

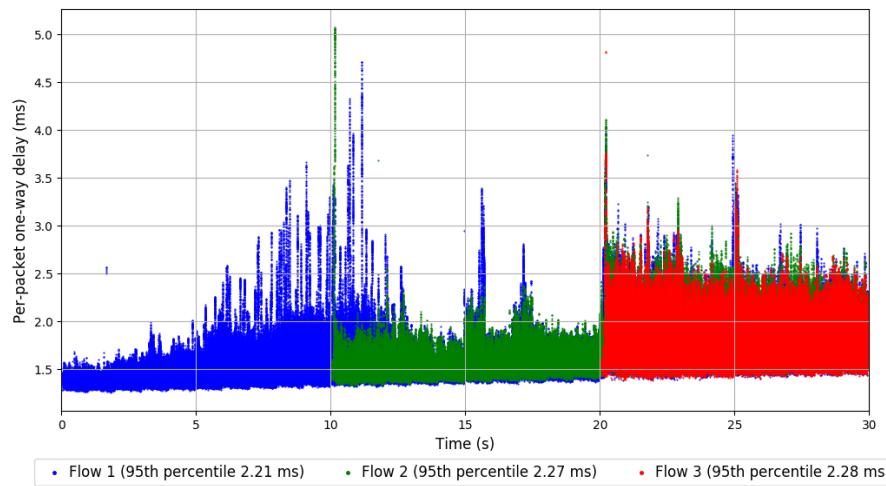
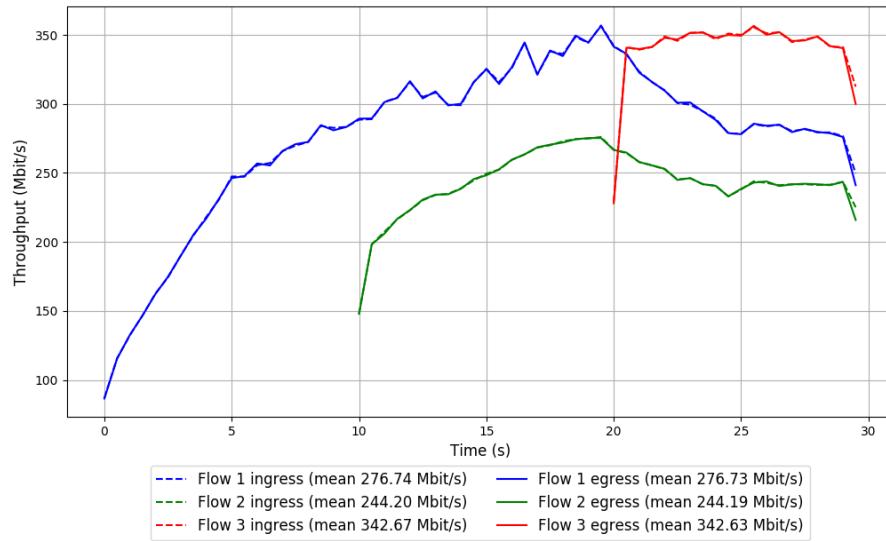


Run 7: Statistics of TCP Vegas

```
Start at: 2018-03-06 14:47:20
End at: 2018-03-06 14:47:50
Local clock offset: 4.053 ms
Remote clock offset: 2.041 ms

# Below is generated by plot.py at 2018-03-06 23:15:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 552.43 Mbit/s
95th percentile per-packet one-way delay: 2.248 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 276.73 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 244.19 Mbit/s
95th percentile per-packet one-way delay: 2.265 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 342.63 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.21%
```

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

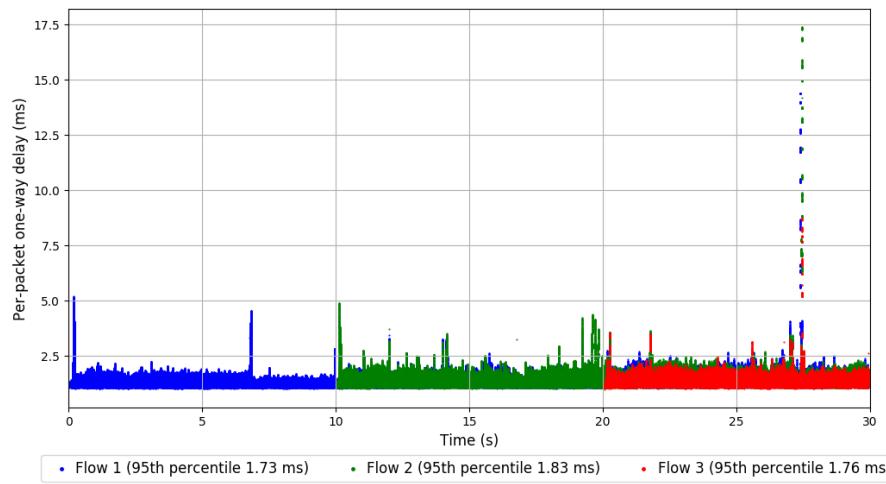
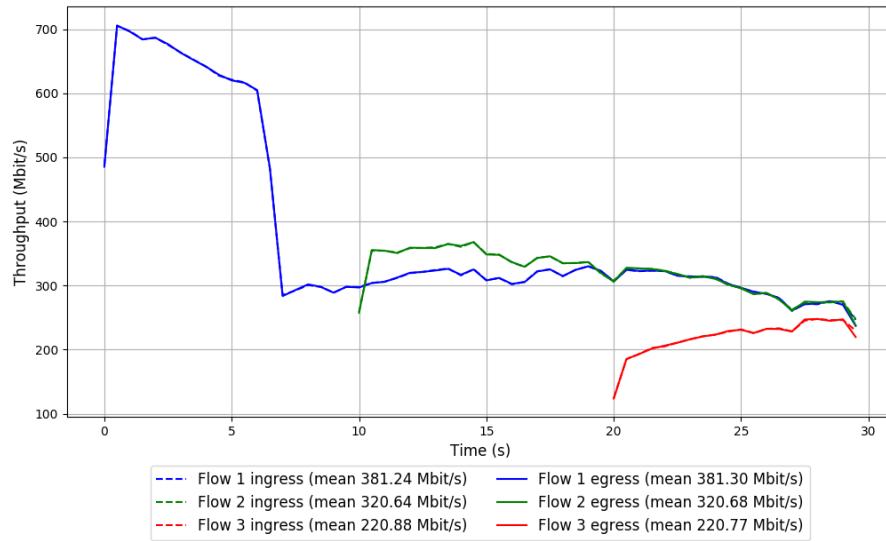


Run 8: Statistics of TCP Vegas

```
Start at: 2018-03-06 15:21:39
End at: 2018-03-06 15:22:09
Local clock offset: 0.752 ms
Remote clock offset: 2.258 ms

# Below is generated by plot.py at 2018-03-06 23:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 667.67 Mbit/s
95th percentile per-packet one-way delay: 1.773 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 381.30 Mbit/s
95th percentile per-packet one-way delay: 1.731 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 320.68 Mbit/s
95th percentile per-packet one-way delay: 1.832 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 220.77 Mbit/s
95th percentile per-packet one-way delay: 1.757 ms
Loss rate: 0.23%
```

Run 8: Report of TCP Vegas — Data Link

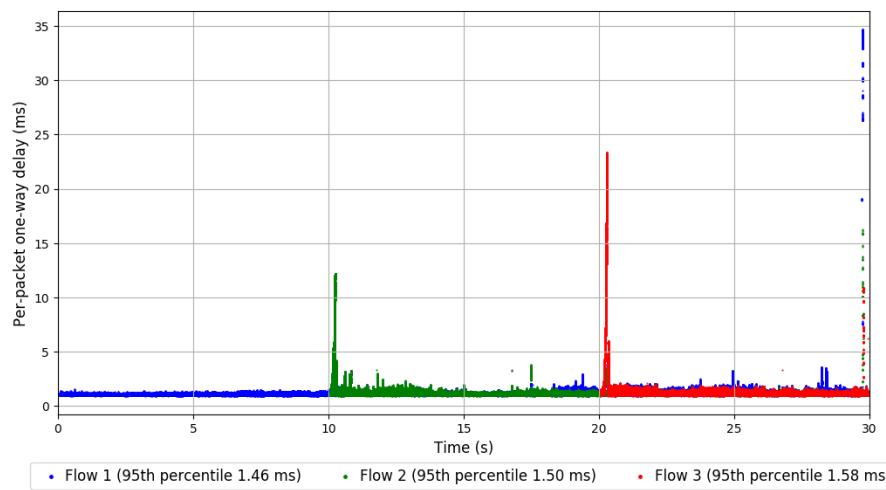
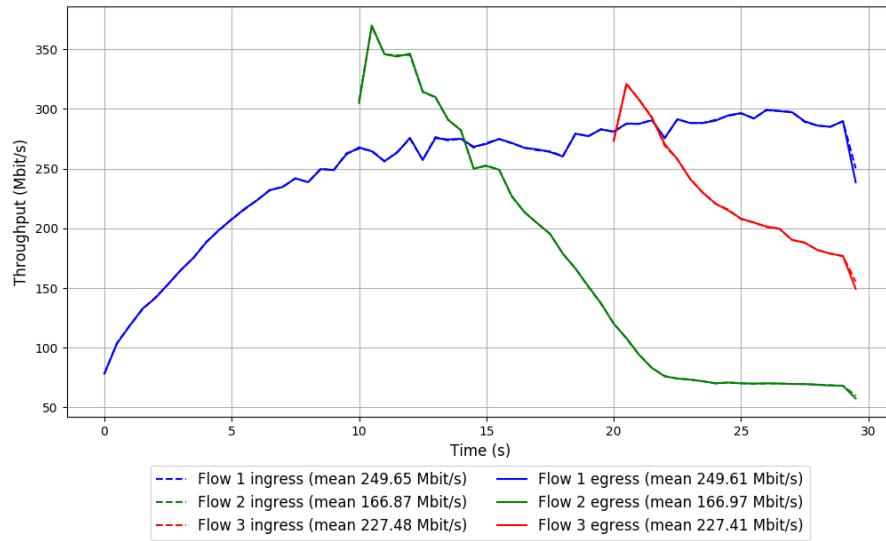


Run 9: Statistics of TCP Vegas

```
Start at: 2018-03-06 15:50:52
End at: 2018-03-06 15:51:22
Local clock offset: 0.69 ms
Remote clock offset: 2.426 ms

# Below is generated by plot.py at 2018-03-06 23:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.95 Mbit/s
95th percentile per-packet one-way delay: 1.485 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 249.61 Mbit/s
95th percentile per-packet one-way delay: 1.457 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 166.97 Mbit/s
95th percentile per-packet one-way delay: 1.503 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 1.576 ms
Loss rate: 0.14%
```

Run 9: Report of TCP Vegas — Data Link

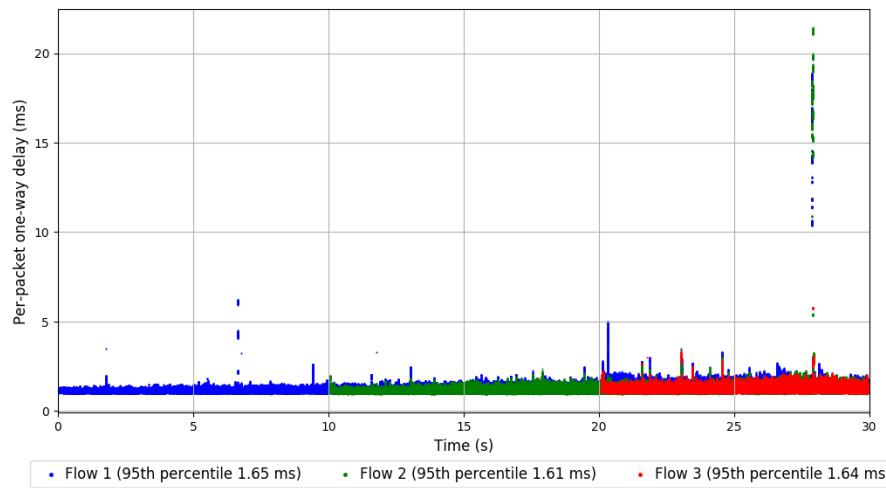
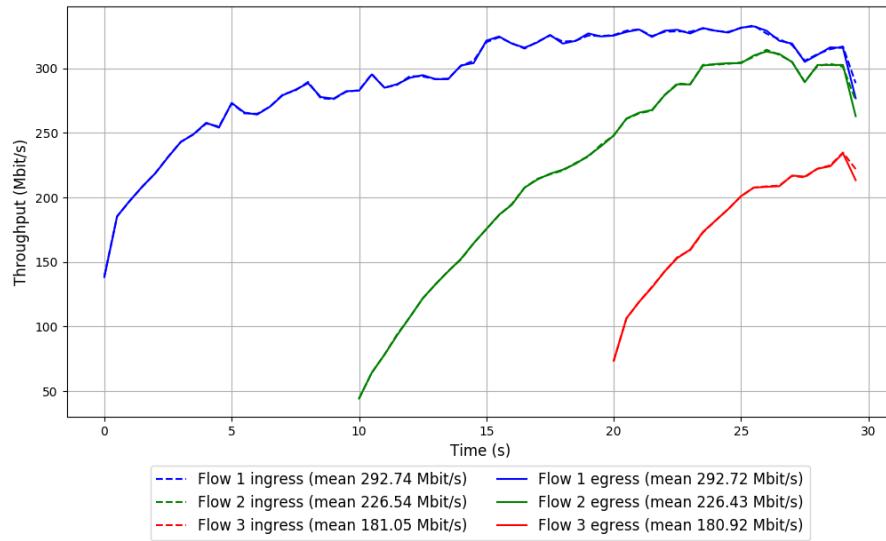


Run 10: Statistics of TCP Vegas

```
Start at: 2018-03-06 16:19:50
End at: 2018-03-06 16:20:20
Local clock offset: -1.756 ms
Remote clock offset: 1.725 ms

# Below is generated by plot.py at 2018-03-06 23:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 503.29 Mbit/s
95th percentile per-packet one-way delay: 1.635 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 292.72 Mbit/s
95th percentile per-packet one-way delay: 1.650 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 226.43 Mbit/s
95th percentile per-packet one-way delay: 1.606 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 180.92 Mbit/s
95th percentile per-packet one-way delay: 1.638 ms
Loss rate: 0.28%
```

Run 10: Report of TCP Vegas — Data Link

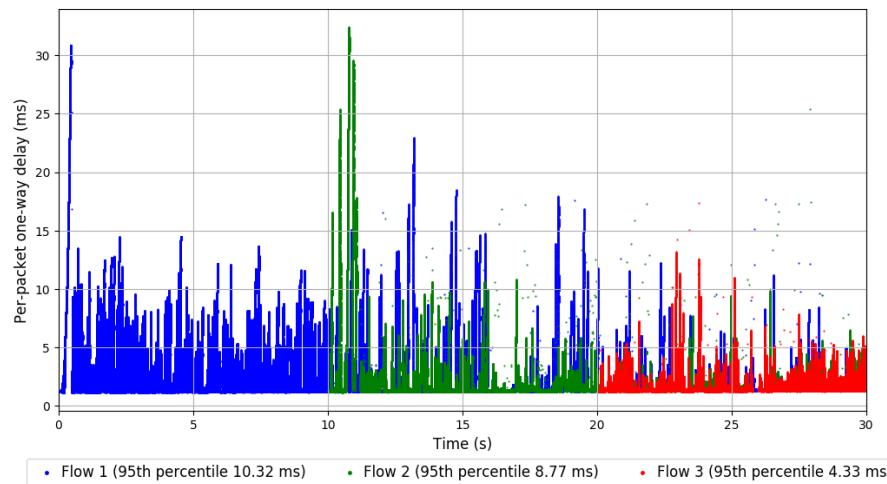
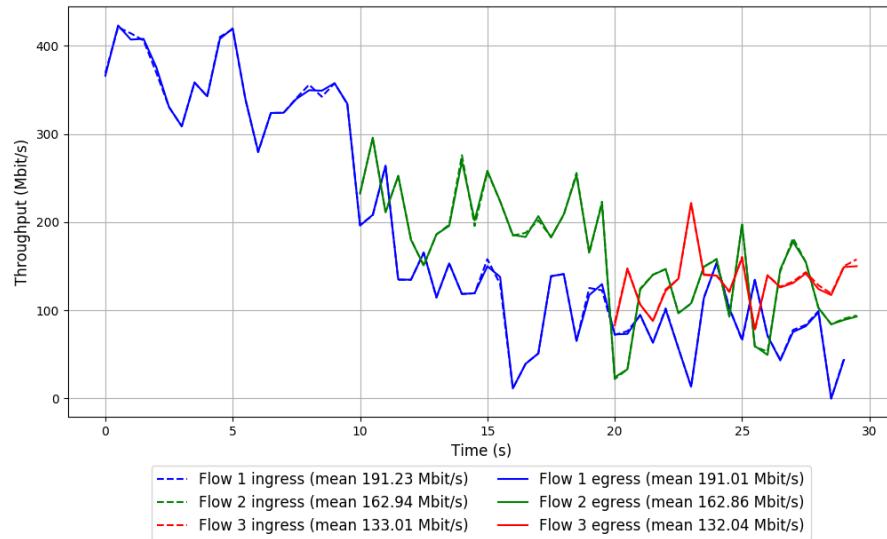


Run 1: Statistics of Verus

```
Start at: 2018-03-06 12:07:31
End at: 2018-03-06 12:08:01
Local clock offset: -2.702 ms
Remote clock offset: 5.474 ms

# Below is generated by plot.py at 2018-03-06 23:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 339.12 Mbit/s
95th percentile per-packet one-way delay: 9.568 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 191.01 Mbit/s
95th percentile per-packet one-way delay: 10.319 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 162.86 Mbit/s
95th percentile per-packet one-way delay: 8.772 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 132.04 Mbit/s
95th percentile per-packet one-way delay: 4.329 ms
Loss rate: 0.88%
```

Run 1: Report of Verus — Data Link

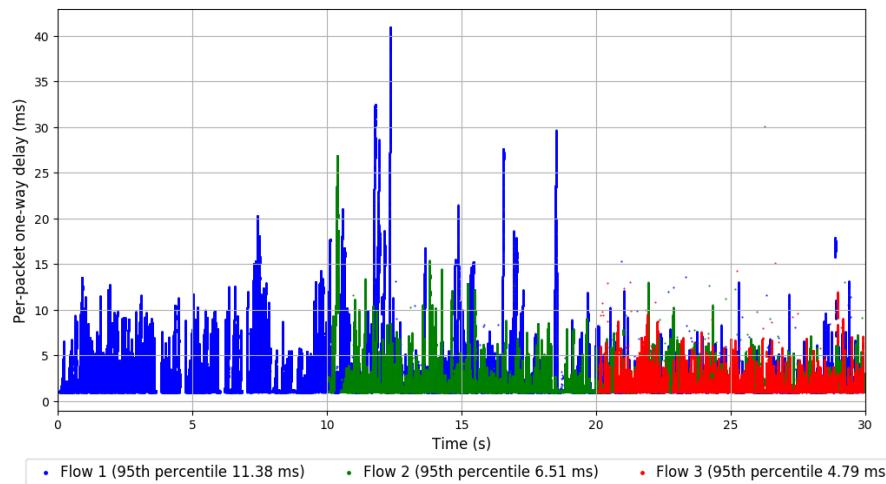
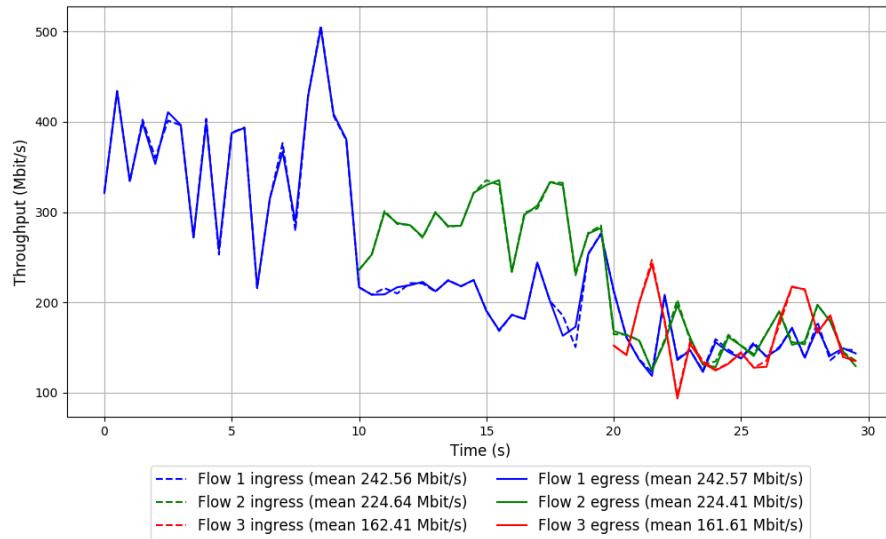


Run 2: Statistics of Verus

```
Start at: 2018-03-06 12:37:01
End at: 2018-03-06 12:37:31
Local clock offset: -4.798 ms
Remote clock offset: 6.957 ms

# Below is generated by plot.py at 2018-03-06 23:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.13 Mbit/s
95th percentile per-packet one-way delay: 9.086 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 242.57 Mbit/s
95th percentile per-packet one-way delay: 11.379 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 224.41 Mbit/s
95th percentile per-packet one-way delay: 6.507 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 161.61 Mbit/s
95th percentile per-packet one-way delay: 4.794 ms
Loss rate: 0.43%
```

## Run 2: Report of Verus — Data Link

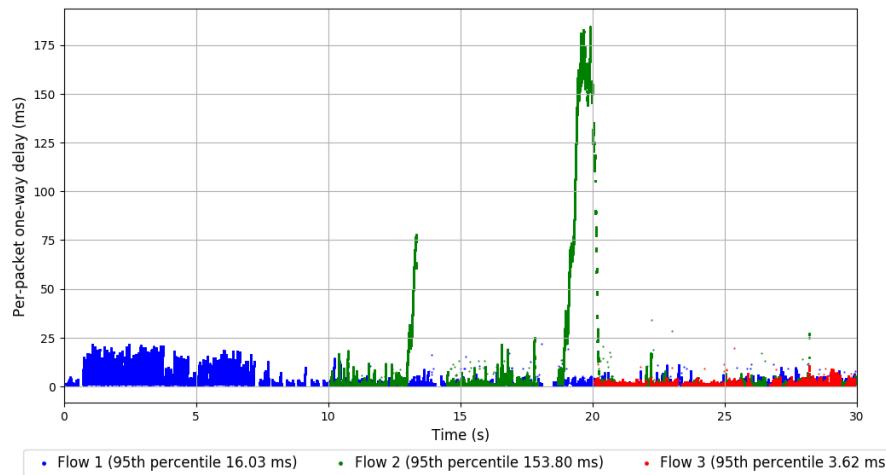
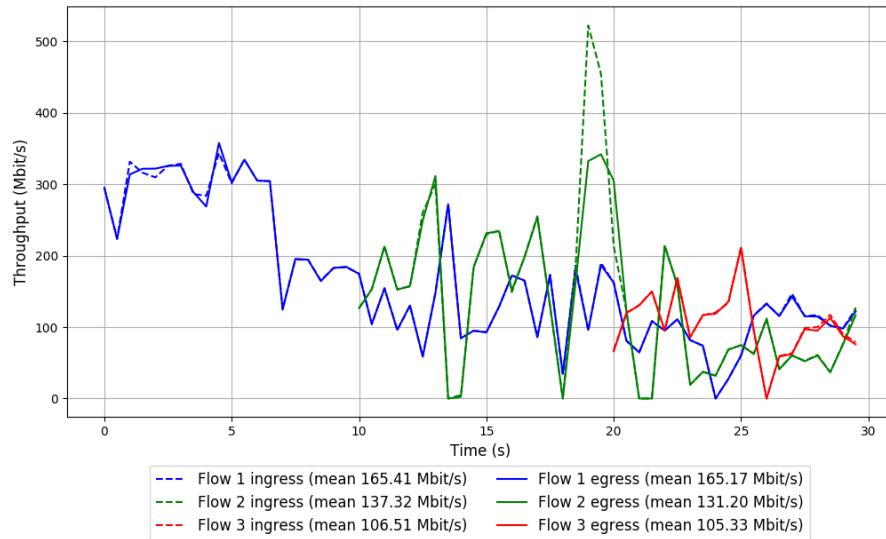


Run 3: Statistics of Verus

```
Start at: 2018-03-06 13:06:43
End at: 2018-03-06 13:07:13
Local clock offset: -4.756 ms
Remote clock offset: 4.502 ms

# Below is generated by plot.py at 2018-03-06 23:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.25 Mbit/s
95th percentile per-packet one-way delay: 55.028 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 165.17 Mbit/s
95th percentile per-packet one-way delay: 16.028 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 131.20 Mbit/s
95th percentile per-packet one-way delay: 153.801 ms
Loss rate: 4.55%
-- Flow 3:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 3.623 ms
Loss rate: 1.11%
```

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

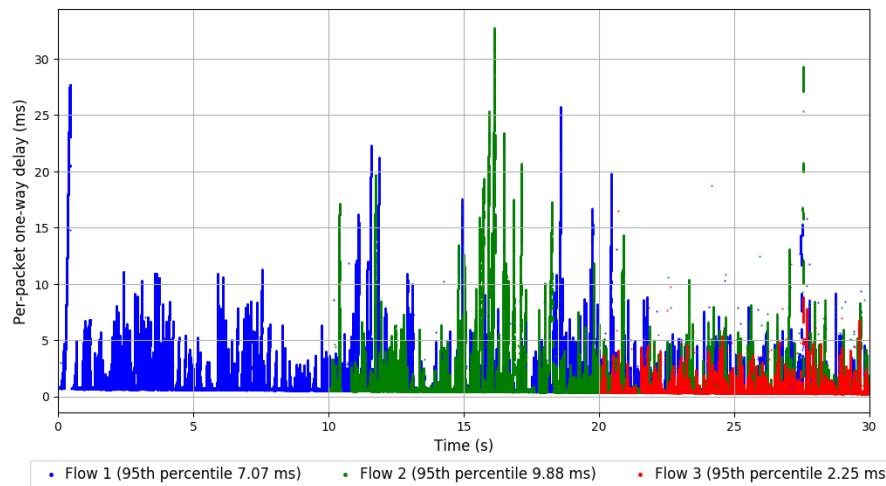
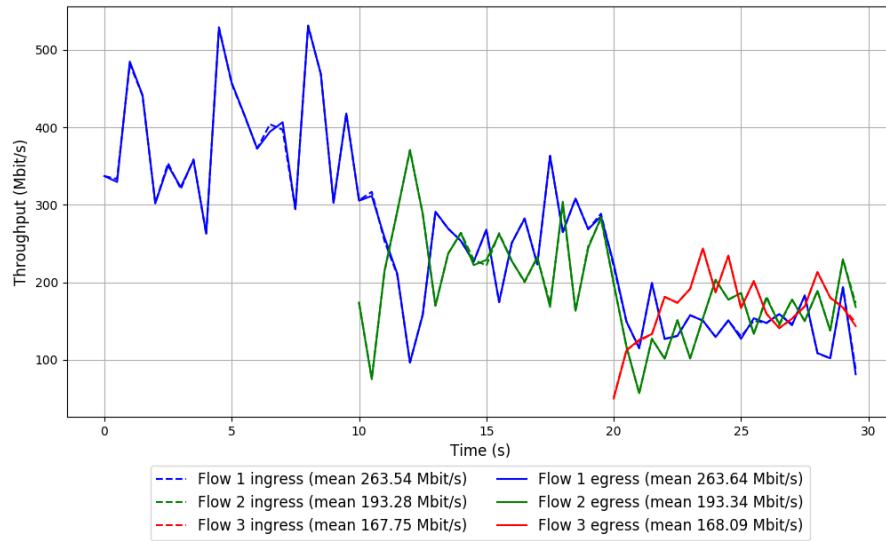


Run 4: Statistics of Verus

```
Start at: 2018-03-06 13:35:45
End at: 2018-03-06 13:36:15
Local clock offset: -4.828 ms
Remote clock offset: -0.342 ms

# Below is generated by plot.py at 2018-03-06 23:18:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 447.96 Mbit/s
95th percentile per-packet one-way delay: 7.138 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 263.64 Mbit/s
95th percentile per-packet one-way delay: 7.068 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 193.34 Mbit/s
95th percentile per-packet one-way delay: 9.875 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 168.09 Mbit/s
95th percentile per-packet one-way delay: 2.250 ms
Loss rate: 0.15%
```

Run 4: Report of Verus — Data Link

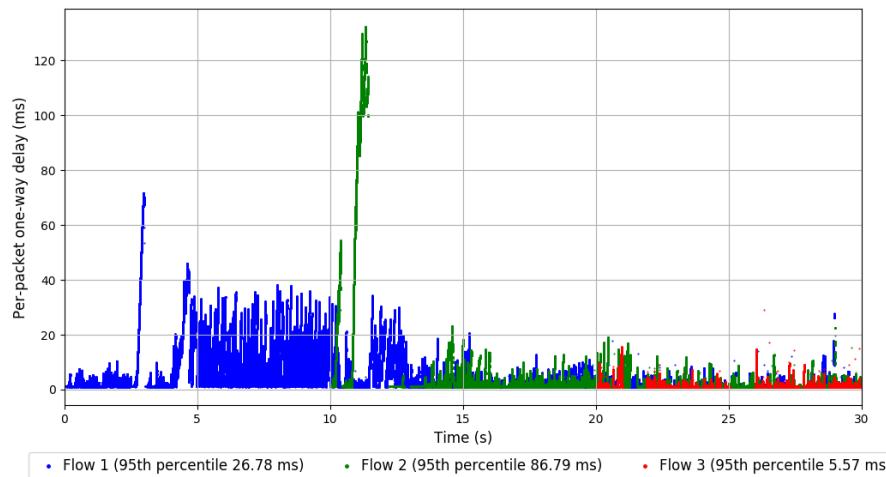
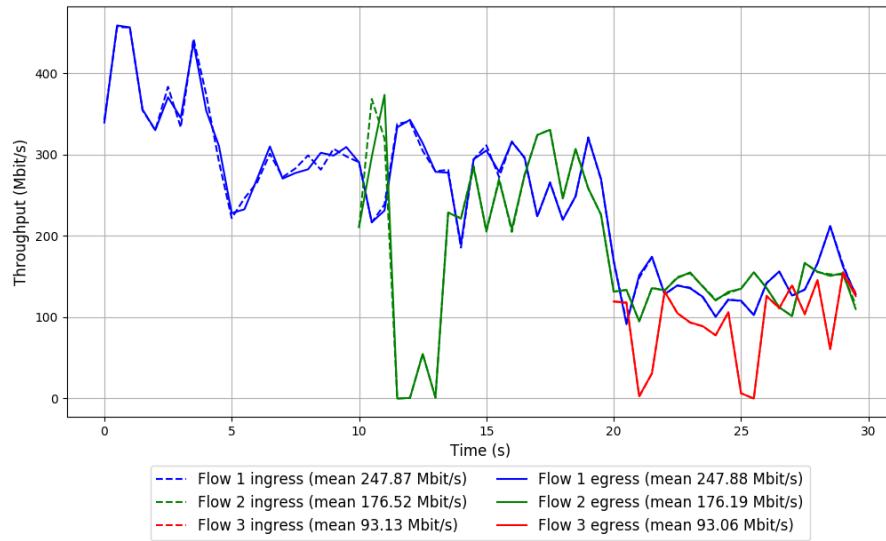


Run 5: Statistics of Verus

```
Start at: 2018-03-06 14:05:31
End at: 2018-03-06 14:06:01
Local clock offset: 3.715 ms
Remote clock offset: 0.542 ms

# Below is generated by plot.py at 2018-03-06 23:21:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.94 Mbit/s
95th percentile per-packet one-way delay: 28.244 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 247.88 Mbit/s
95th percentile per-packet one-way delay: 26.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.19 Mbit/s
95th percentile per-packet one-way delay: 86.788 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 5.565 ms
Loss rate: 0.30%
```

Run 5: Report of Verus — Data Link

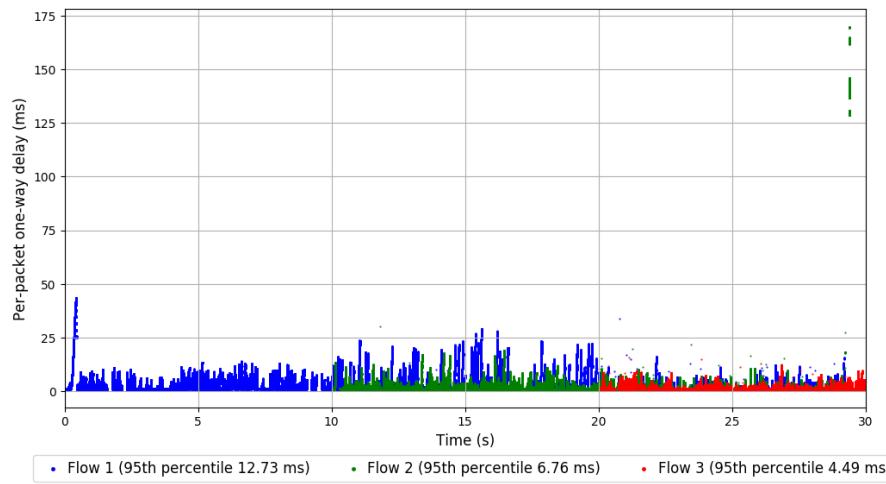
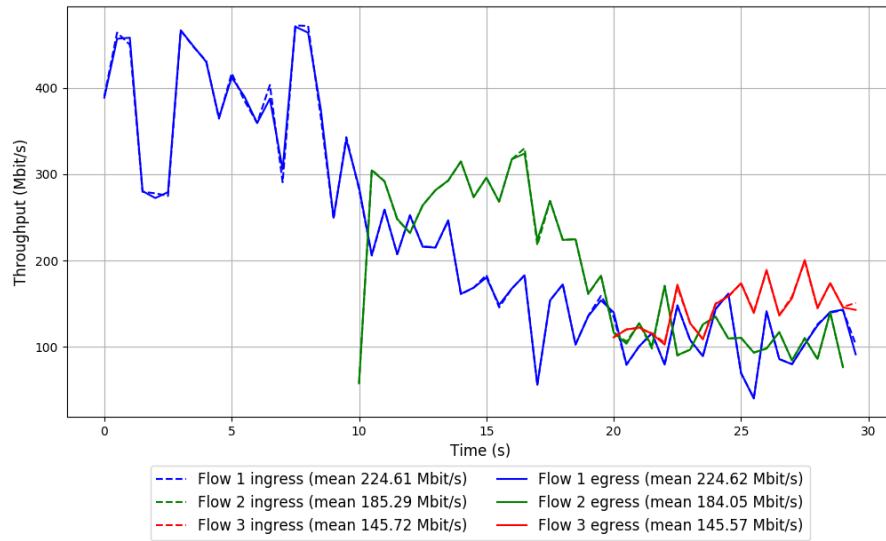


Run 6: Statistics of Verus

```
Start at: 2018-03-06 14:34:53
End at: 2018-03-06 14:35:23
Local clock offset: 4.618 ms
Remote clock offset: 1.67 ms

# Below is generated by plot.py at 2018-03-06 23:21:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.99 Mbit/s
95th percentile per-packet one-way delay: 10.141 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 224.62 Mbit/s
95th percentile per-packet one-way delay: 12.733 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 184.05 Mbit/s
95th percentile per-packet one-way delay: 6.756 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.57 Mbit/s
95th percentile per-packet one-way delay: 4.491 ms
Loss rate: 0.30%
```

## Run 6: Report of Verus — Data Link

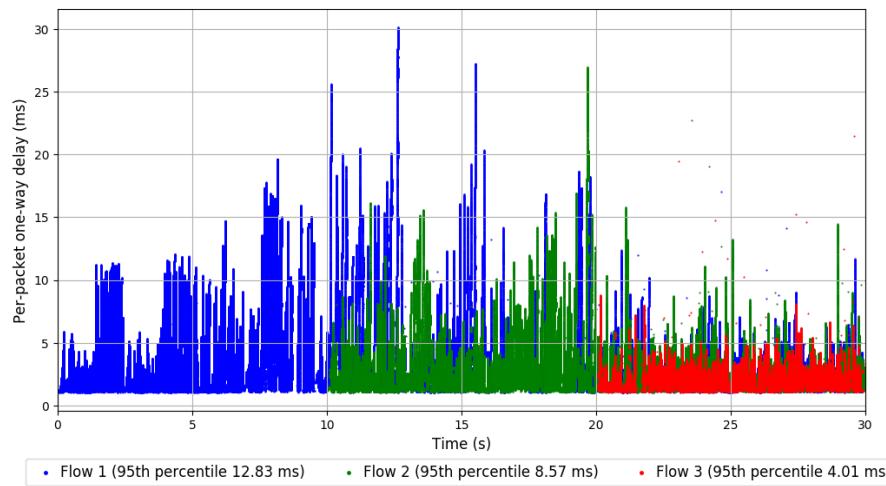
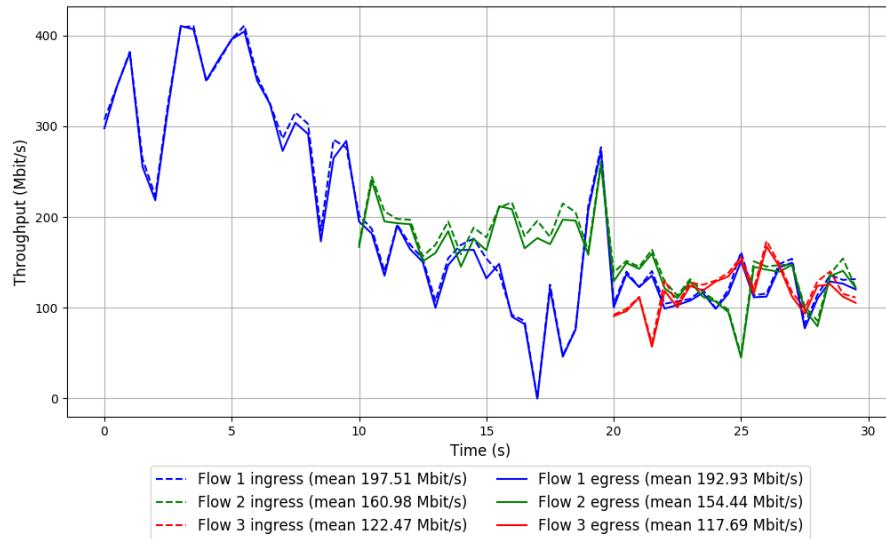


Run 7: Statistics of Verus

```
Start at: 2018-03-06 15:09:22
End at: 2018-03-06 15:09:52
Local clock offset: 0.937 ms
Remote clock offset: 2.148 ms

# Below is generated by plot.py at 2018-03-06 23:21:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 334.69 Mbit/s
95th percentile per-packet one-way delay: 10.910 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 192.93 Mbit/s
95th percentile per-packet one-way delay: 12.830 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 154.44 Mbit/s
95th percentile per-packet one-way delay: 8.575 ms
Loss rate: 4.06%
-- Flow 3:
Average throughput: 117.69 Mbit/s
95th percentile per-packet one-way delay: 4.008 ms
Loss rate: 3.92%
```

## Run 7: Report of Verus — Data Link

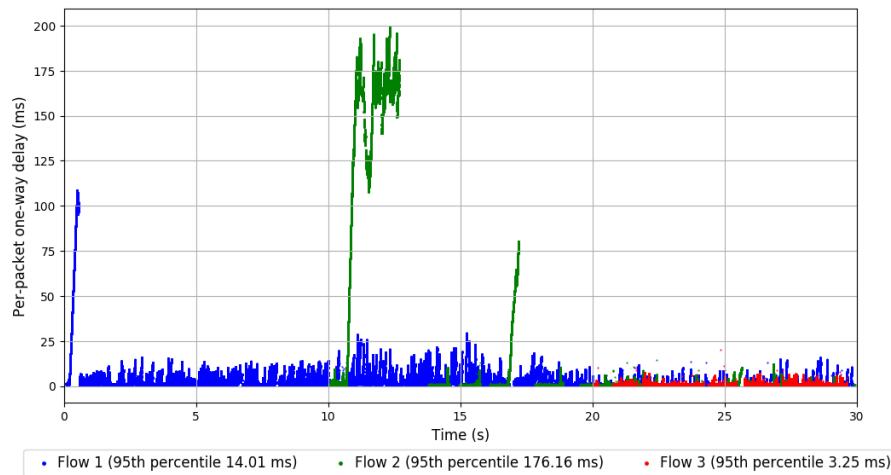
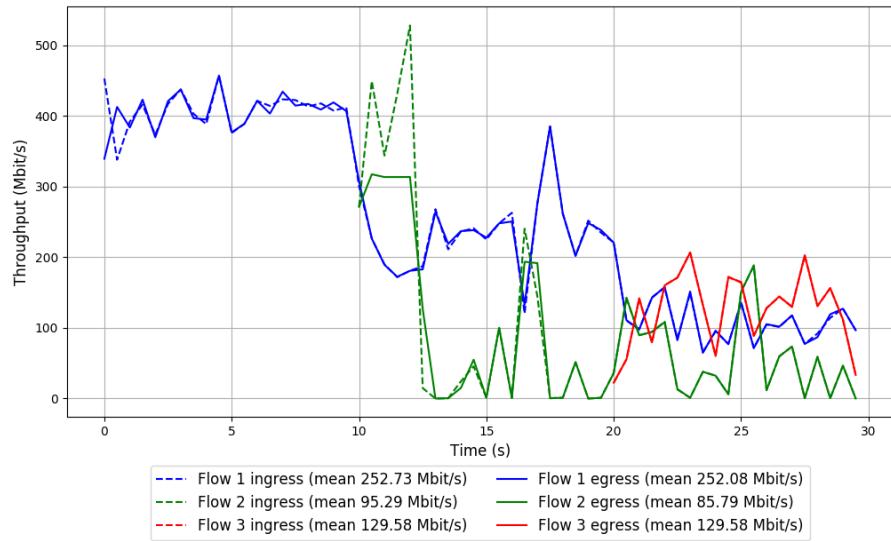


Run 8: Statistics of Verus

```
Start at: 2018-03-06 15:38:33
End at: 2018-03-06 15:39:03
Local clock offset: 0.594 ms
Remote clock offset: 2.358 ms

# Below is generated by plot.py at 2018-03-06 23:21:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.95 Mbit/s
95th percentile per-packet one-way delay: 121.618 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 252.08 Mbit/s
95th percentile per-packet one-way delay: 14.014 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 176.155 ms
Loss rate: 10.07%
-- Flow 3:
Average throughput: 129.58 Mbit/s
95th percentile per-packet one-way delay: 3.252 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link

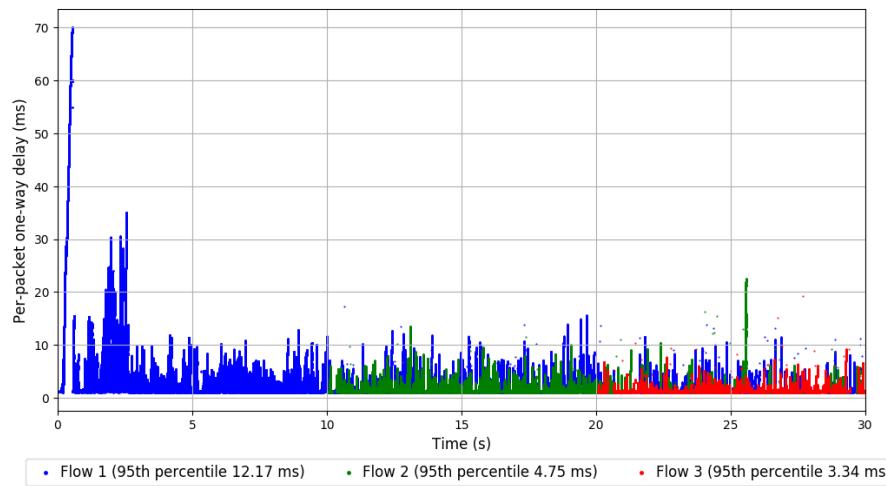
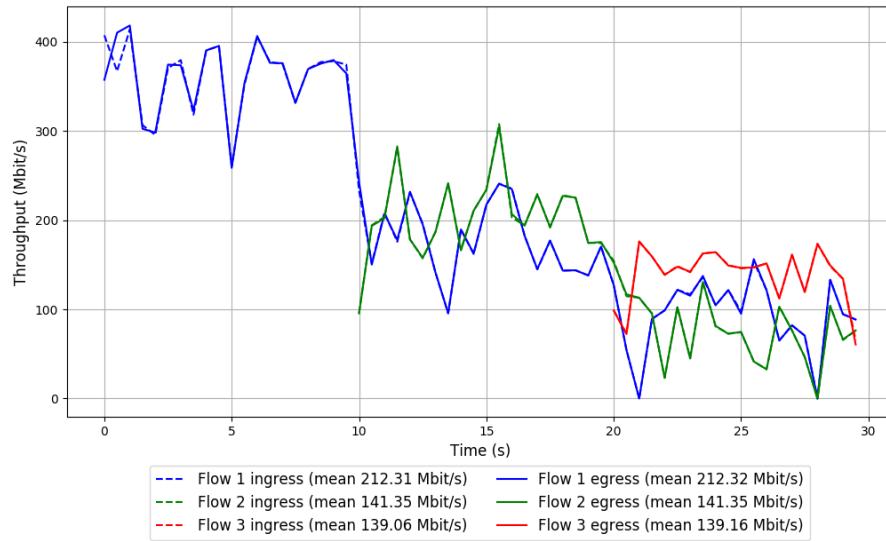


Run 9: Statistics of Verus

```
Start at: 2018-03-06 16:07:53
End at: 2018-03-06 16:08:23
Local clock offset: -1.167 ms
Remote clock offset: 2.036 ms

# Below is generated by plot.py at 2018-03-06 23:23:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 352.20 Mbit/s
95th percentile per-packet one-way delay: 8.821 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 212.32 Mbit/s
95th percentile per-packet one-way delay: 12.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.35 Mbit/s
95th percentile per-packet one-way delay: 4.751 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 139.16 Mbit/s
95th percentile per-packet one-way delay: 3.339 ms
Loss rate: 0.17%
```

Run 9: Report of Verus — Data Link

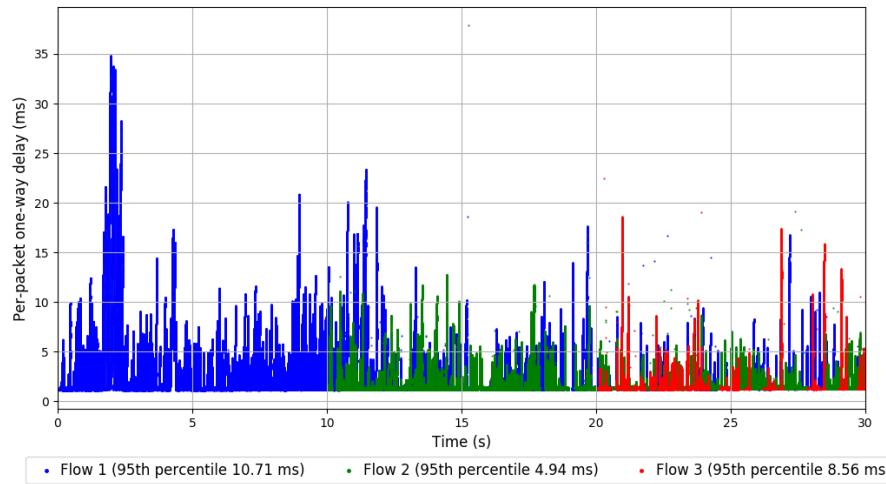
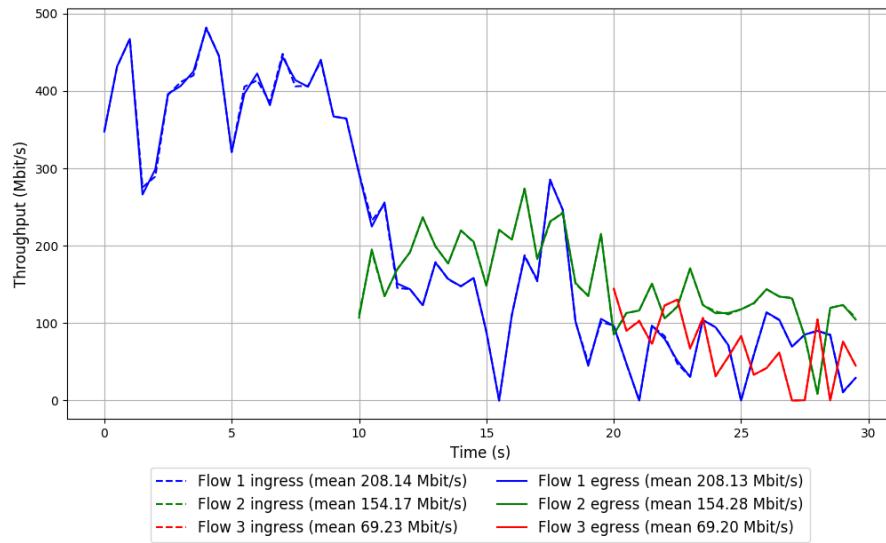


Run 10: Statistics of Verus

```
Start at: 2018-03-06 16:36:48
End at: 2018-03-06 16:37:18
Local clock offset: -5.046 ms
Remote clock offset: 1.593 ms

# Below is generated by plot.py at 2018-03-06 23:23:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 332.74 Mbit/s
95th percentile per-packet one-way delay: 8.977 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 208.13 Mbit/s
95th percentile per-packet one-way delay: 10.707 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.28 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 8.557 ms
Loss rate: 0.00%
```

Run 10: Report of Verus — Data Link

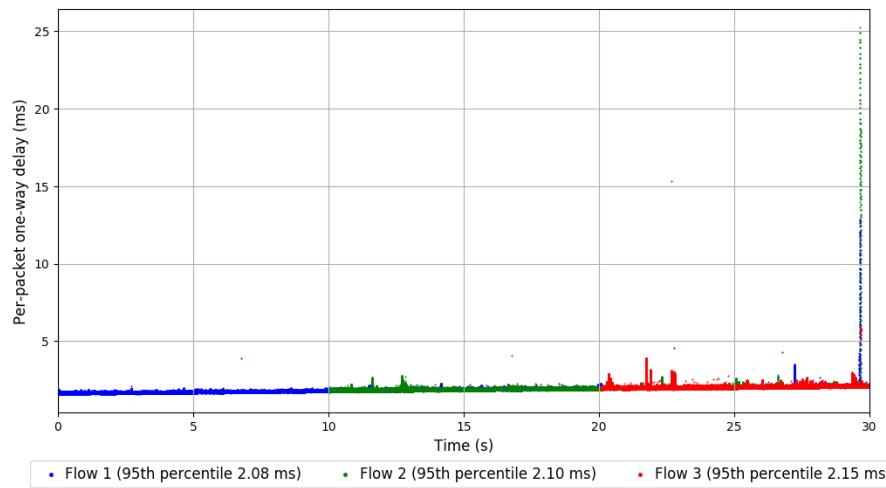
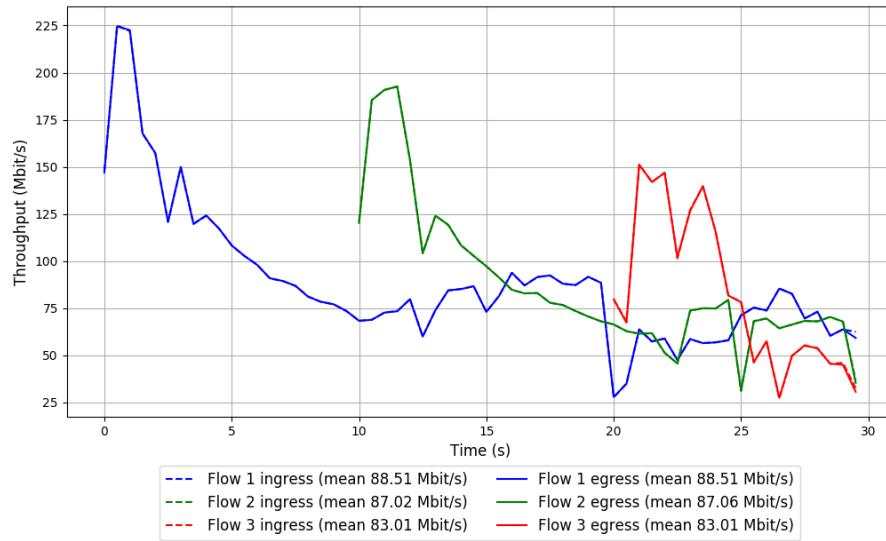


Run 1: Statistics of Copa

```
Start at: 2018-03-06 11:56:15
End at: 2018-03-06 11:56:45
Local clock offset: 3.189 ms
Remote clock offset: 4.759 ms

# Below is generated by plot.py at 2018-03-06 23:23:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 173.85 Mbit/s
95th percentile per-packet one-way delay: 2.099 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 2.082 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 2.098 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 83.01 Mbit/s
95th percentile per-packet one-way delay: 2.145 ms
Loss rate: 0.19%
```

## Run 1: Report of Copa — Data Link

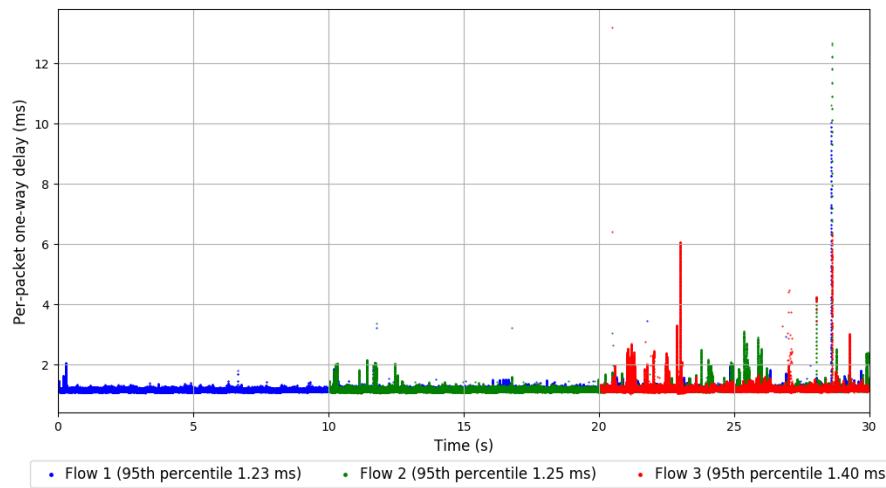
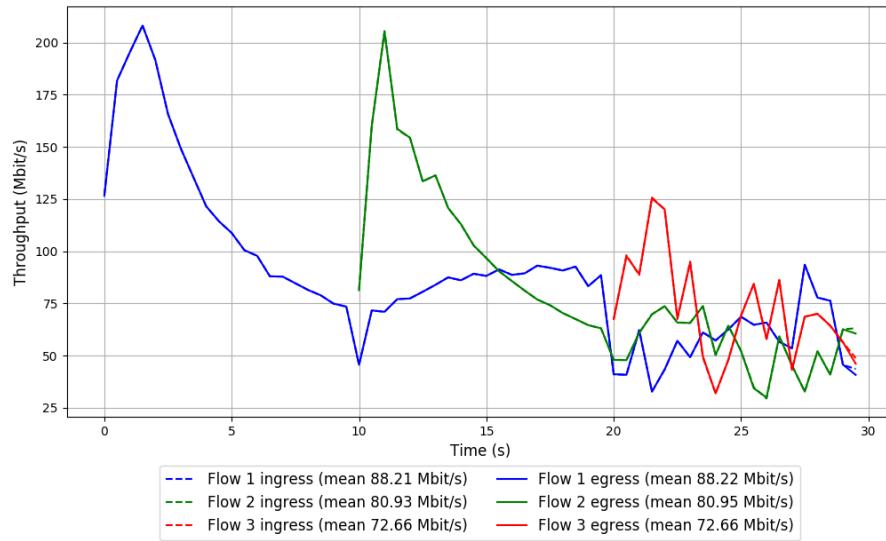


Run 2: Statistics of Copa

```
Start at: 2018-03-06 12:25:57
End at: 2018-03-06 12:26:27
Local clock offset: -4.972 ms
Remote clock offset: 6.315 ms

# Below is generated by plot.py at 2018-03-06 23:23:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 166.08 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 80.95 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 1.403 ms
Loss rate: 0.19%
```

Run 2: Report of Copa — Data Link

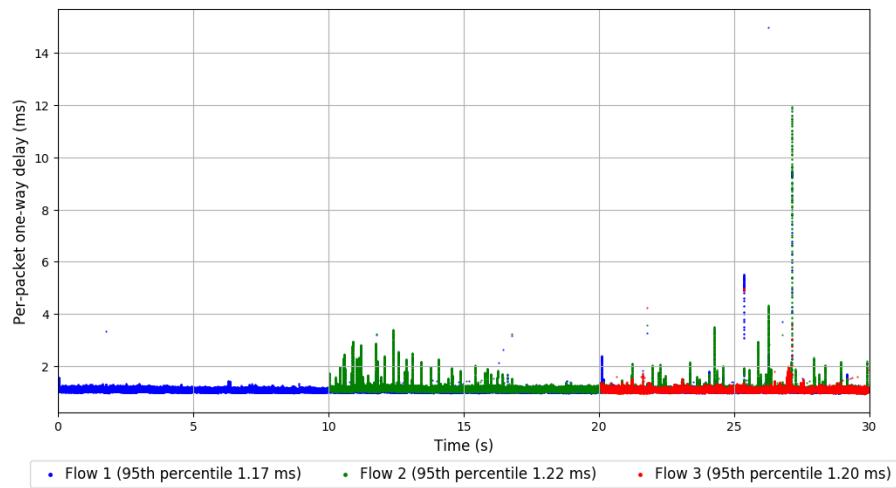
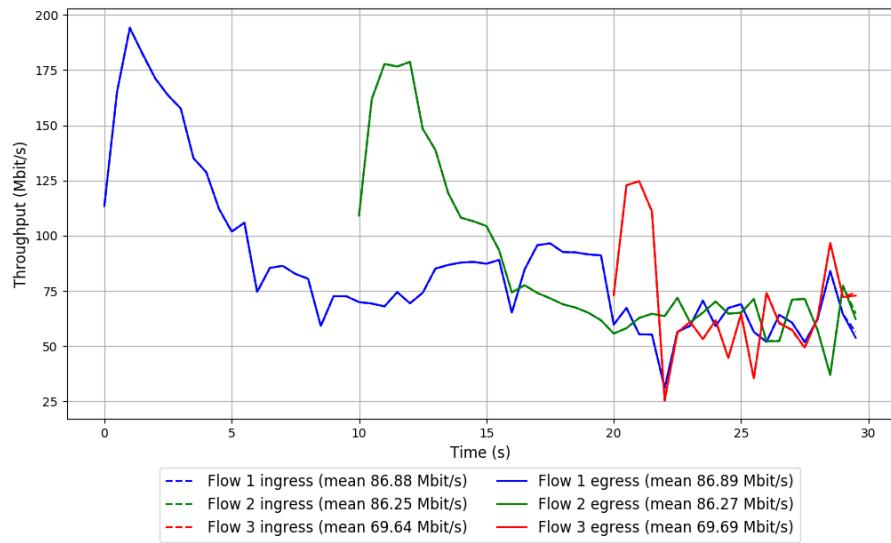


Run 3: Statistics of Copa

```
Start at: 2018-03-06 12:55:40
End at: 2018-03-06 12:56:10
Local clock offset: -4.812 ms
Remote clock offset: 4.715 ms

# Below is generated by plot.py at 2018-03-06 23:25:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 167.33 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 86.27 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 69.69 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.11%
```

Run 3: Report of Copa — Data Link

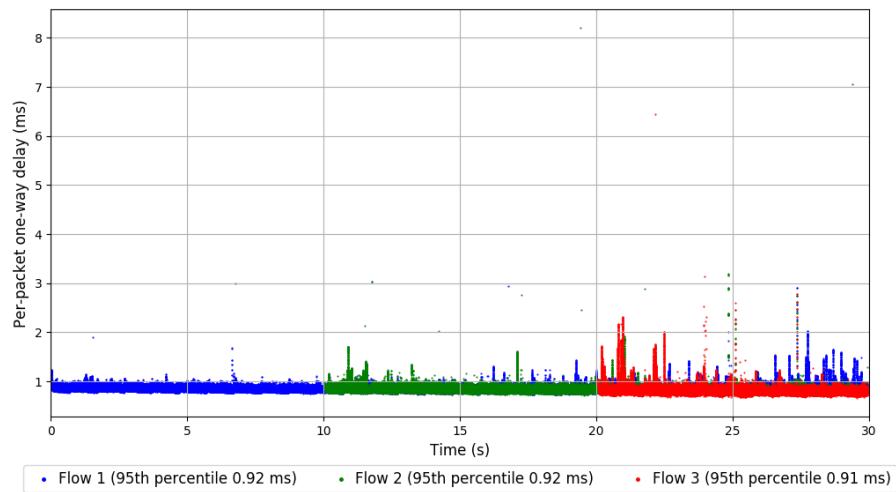
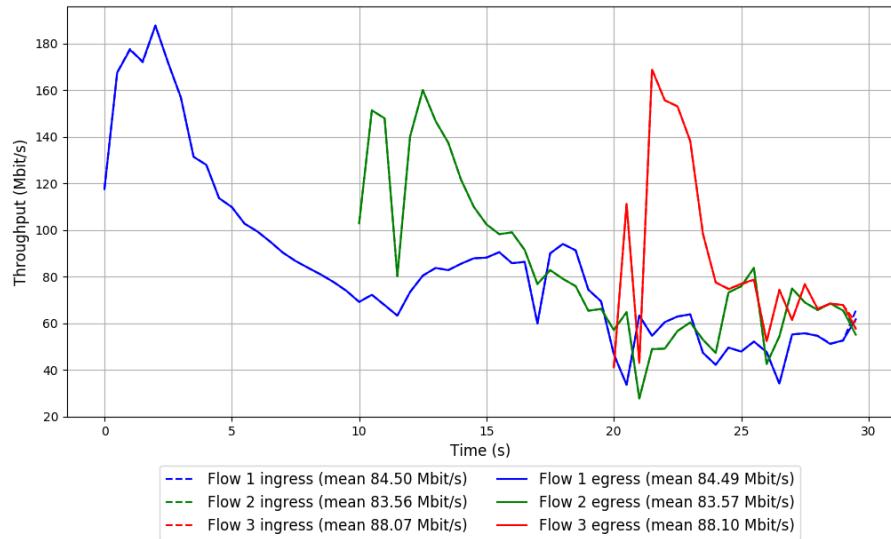


Run 4: Statistics of Copa

```
Start at: 2018-03-06 13:24:55
End at: 2018-03-06 13:25:25
Local clock offset: -4.736 ms
Remote clock offset: 0.914 ms

# Below is generated by plot.py at 2018-03-06 23:25:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 169.20 Mbit/s
95th percentile per-packet one-way delay: 0.917 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 0.919 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 83.57 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 0.906 ms
Loss rate: 0.16%
```

Run 4: Report of Copa — Data Link

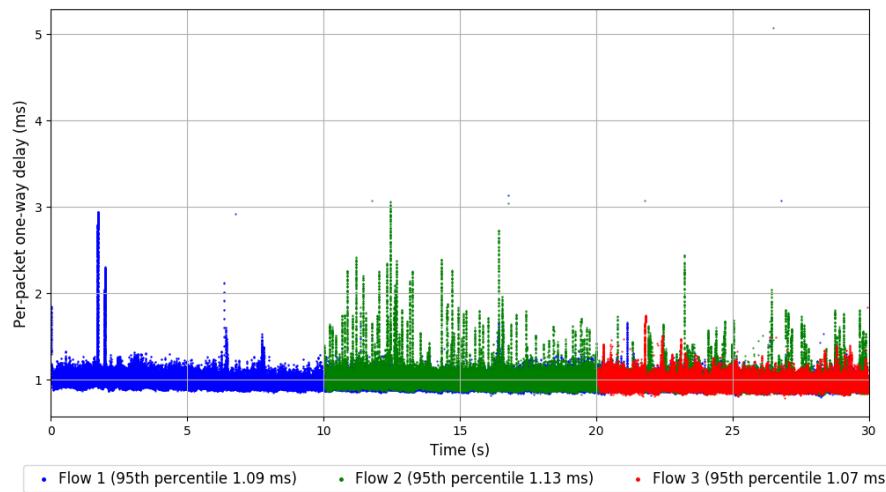
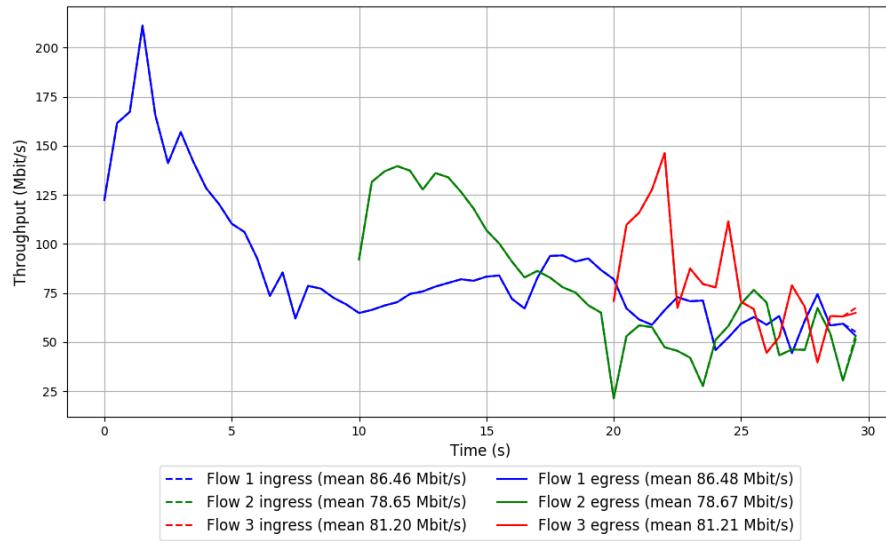


Run 5: Statistics of Copa

```
Start at: 2018-03-06 13:54:29
End at: 2018-03-06 13:54:59
Local clock offset: 2.064 ms
Remote clock offset: 0.153 ms

# Below is generated by plot.py at 2018-03-06 23:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 165.66 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 81.21 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.16%
```

## Run 5: Report of Copa — Data Link

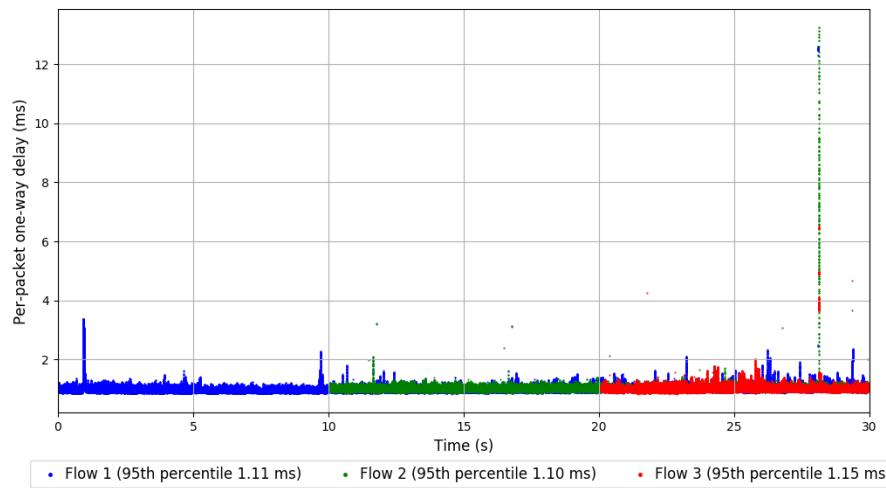
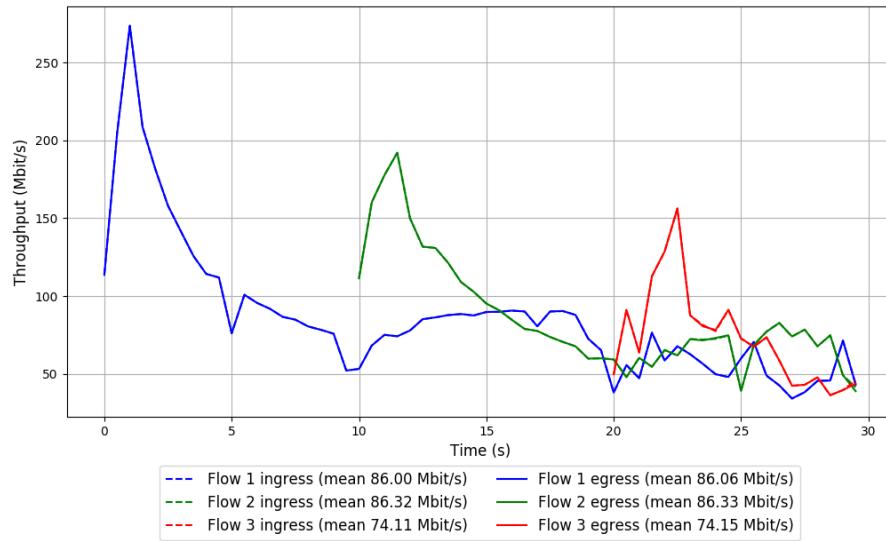


Run 6: Statistics of Copa

```
Start at: 2018-03-06 14:23:56
End at: 2018-03-06 14:24:26
Local clock offset: 3.921 ms
Remote clock offset: 0.929 ms

# Below is generated by plot.py at 2018-03-06 23:26:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 168.00 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.14%
```

Run 6: Report of Copa — Data Link

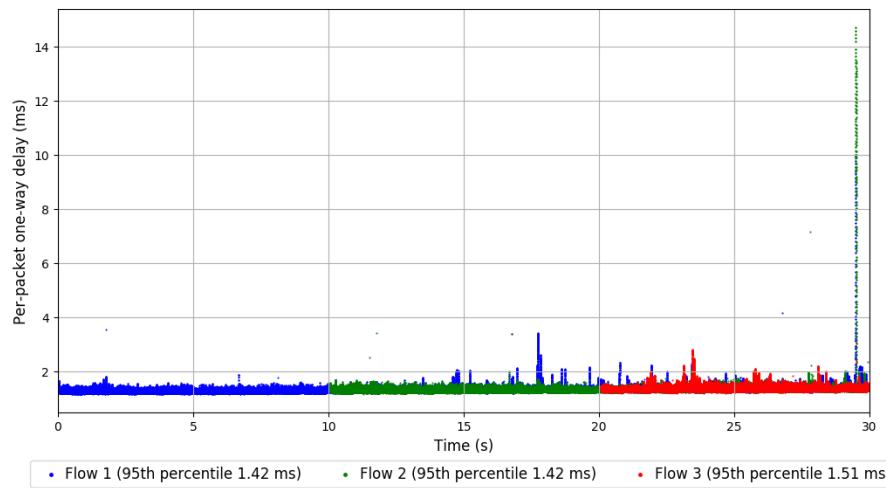
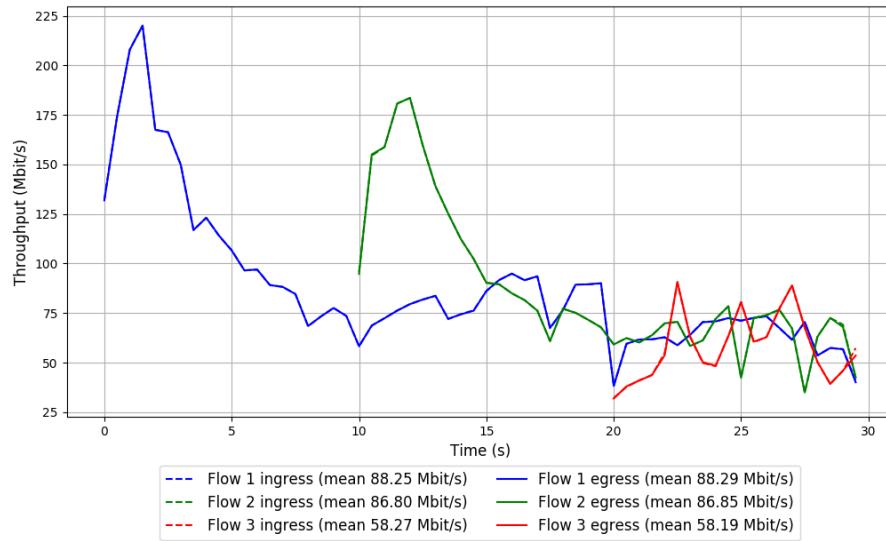


Run 7: Statistics of Copa

```
Start at: 2018-03-06 14:53:27
End at: 2018-03-06 14:53:57
Local clock offset: 2.28 ms
Remote clock offset: 2.046 ms

# Below is generated by plot.py at 2018-03-06 23:27:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 165.25 Mbit/s
95th percentile per-packet one-way delay: 1.434 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 1.420 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 1.514 ms
Loss rate: 0.33%
```

Run 7: Report of Copa — Data Link

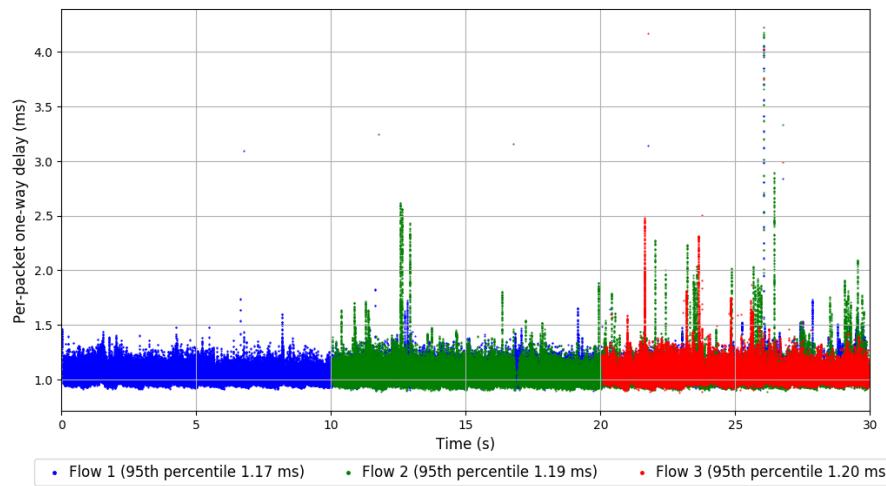
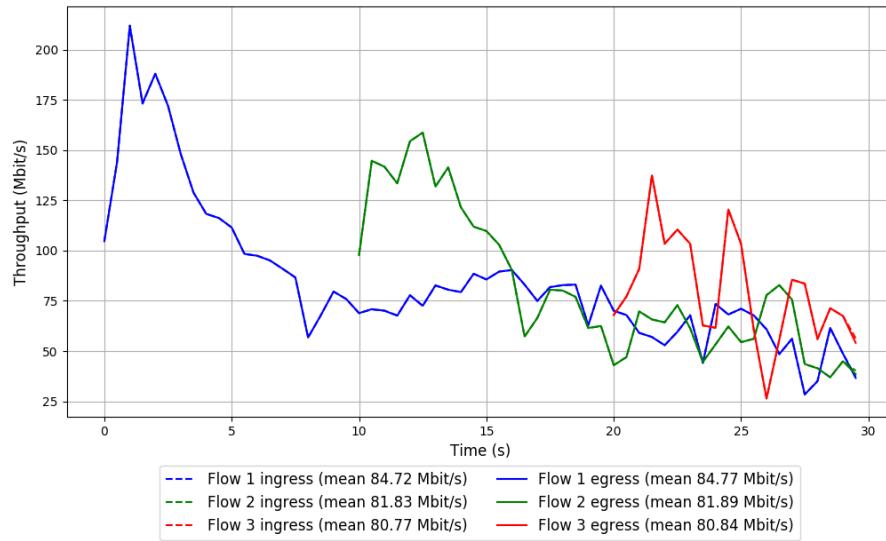


Run 8: Statistics of Copa

```
Start at: 2018-03-06 15:27:46
End at: 2018-03-06 15:28:16
Local clock offset: 0.607 ms
Remote clock offset: 2.298 ms

# Below is generated by plot.py at 2018-03-06 23:27:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 165.96 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.15%
```

Run 8: Report of Copa — Data Link

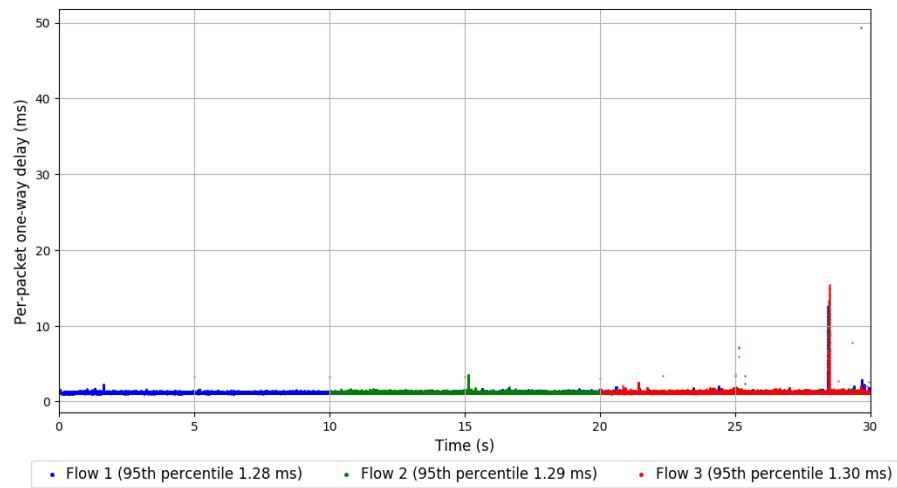
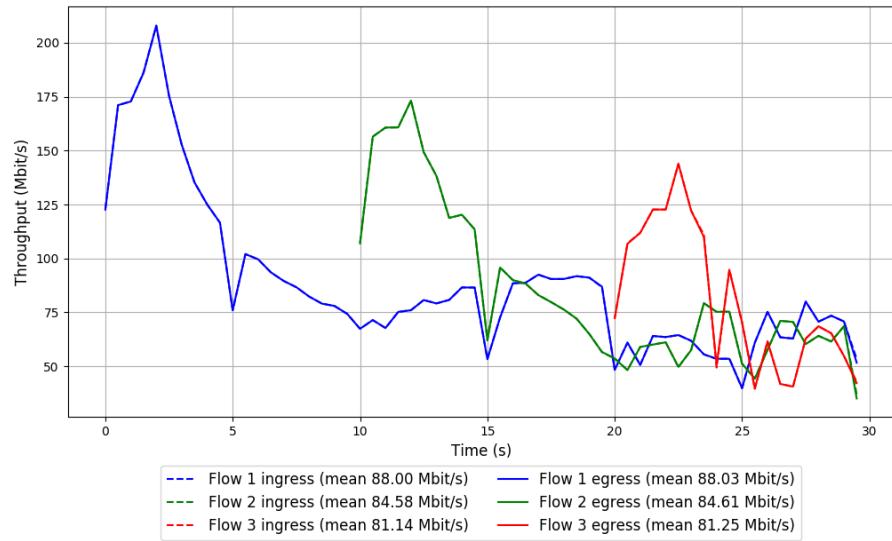


Run 9: Statistics of Copa

```
Start at: 2018-03-06 15:56:59
End at: 2018-03-06 15:57:29
Local clock offset: -0.184 ms
Remote clock offset: 2.346 ms

# Below is generated by plot.py at 2018-03-06 23:27:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 171.13 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.05%
```

Run 9: Report of Copa — Data Link

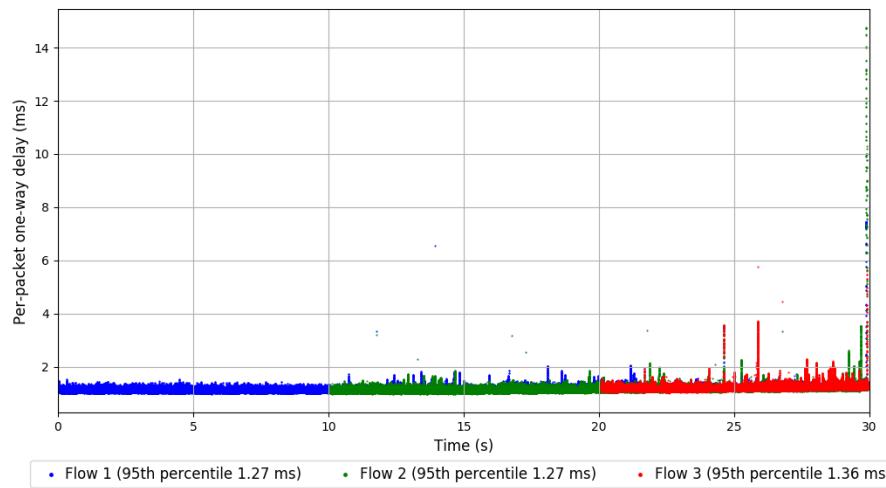
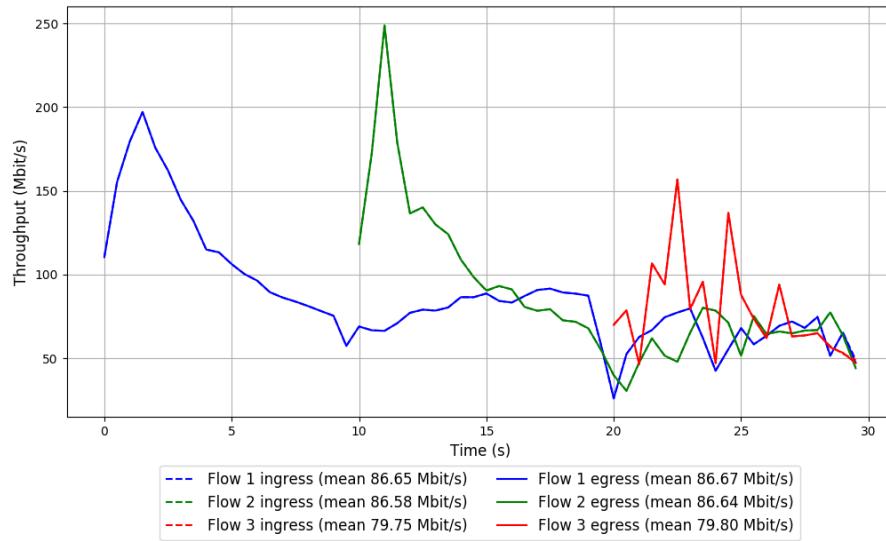


Run 10: Statistics of Copa

```
Start at: 2018-03-06 16:25:54
End at: 2018-03-06 16:26:24
Local clock offset: -1.98 ms
Remote clock offset: 1.618 ms

# Below is generated by plot.py at 2018-03-06 23:27:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 170.69 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 1.361 ms
Loss rate: 0.13%
```

Run 10: Report of Copa — Data Link

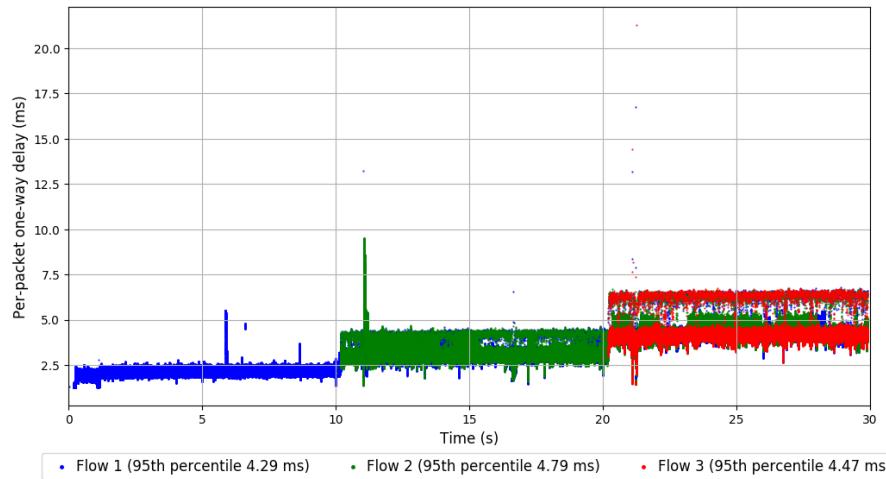
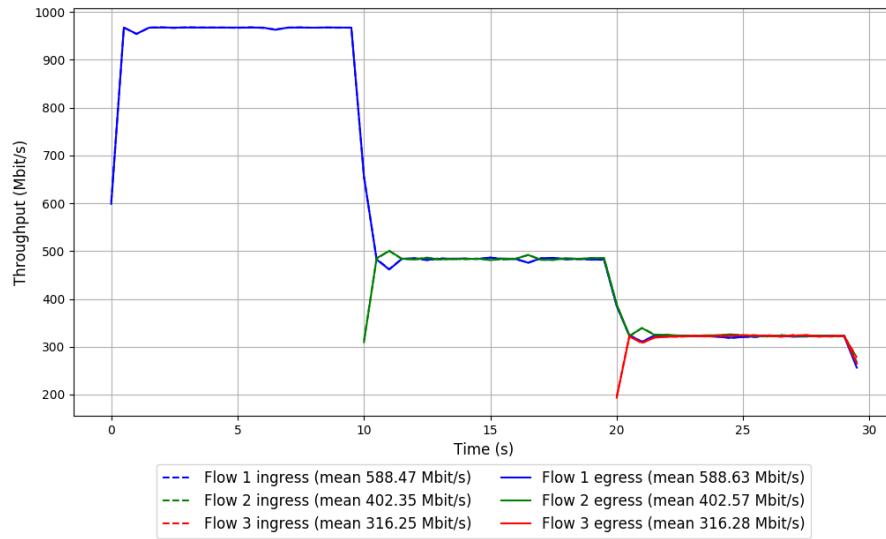


```
Run 1: Statistics of FillP

Start at: 2018-03-06 12:00:56
End at: 2018-03-06 12:01:26
Local clock offset: -0.241 ms
Remote clock offset: 5.09 ms

# Below is generated by plot.py at 2018-03-06 23:39:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.73 Mbit/s
95th percentile per-packet one-way delay: 4.461 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 588.63 Mbit/s
95th percentile per-packet one-way delay: 4.293 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 402.57 Mbit/s
95th percentile per-packet one-way delay: 4.787 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.28 Mbit/s
95th percentile per-packet one-way delay: 4.472 ms
Loss rate: 0.24%
```

Run 1: Report of FillP — Data Link

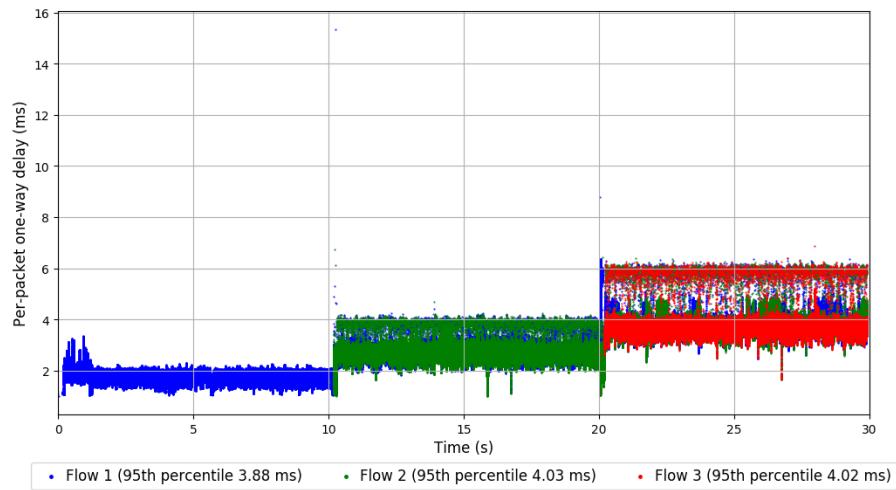
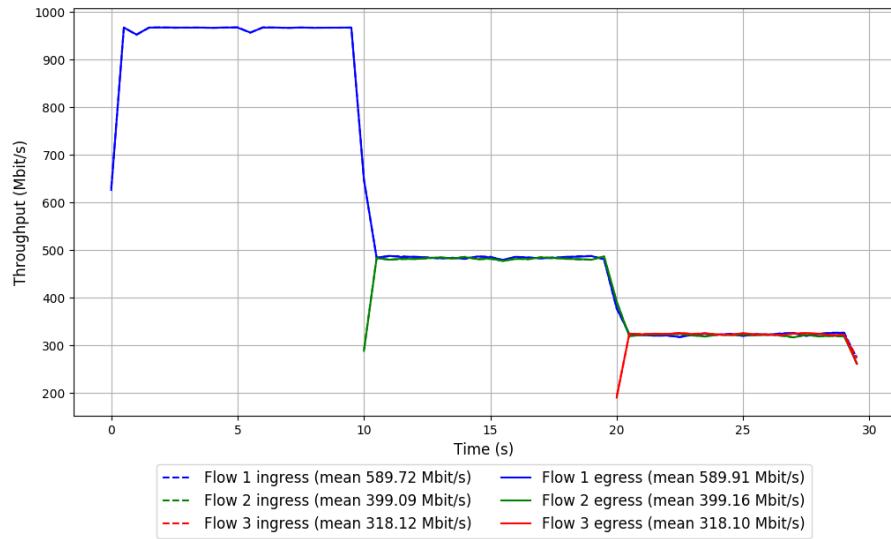


Run 2: Statistics of FillP

```
Start at: 2018-03-06 12:30:37
End at: 2018-03-06 12:31:07
Local clock offset: -4.932 ms
Remote clock offset: 6.569 ms

# Below is generated by plot.py at 2018-03-06 23:40:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.42 Mbit/s
95th percentile per-packet one-way delay: 3.959 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.91 Mbit/s
95th percentile per-packet one-way delay: 3.883 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.16 Mbit/s
95th percentile per-packet one-way delay: 4.026 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.10 Mbit/s
95th percentile per-packet one-way delay: 4.023 ms
Loss rate: 0.23%
```

## Run 2: Report of FillP — Data Link

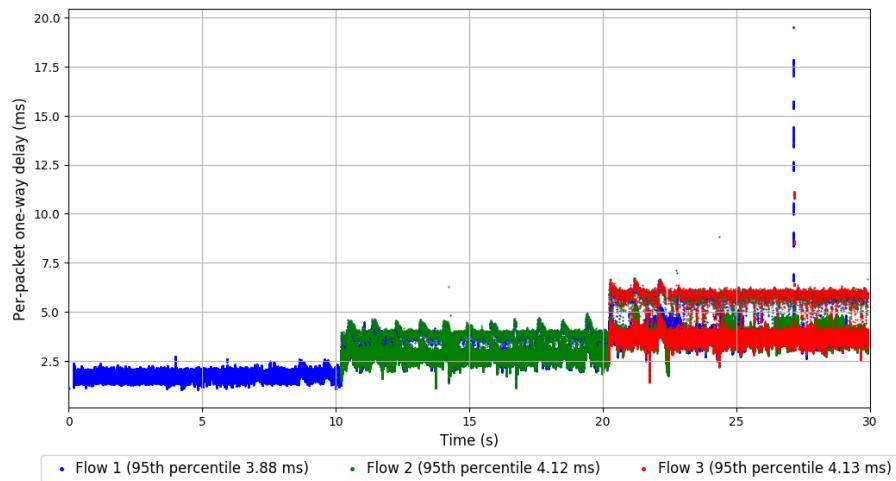
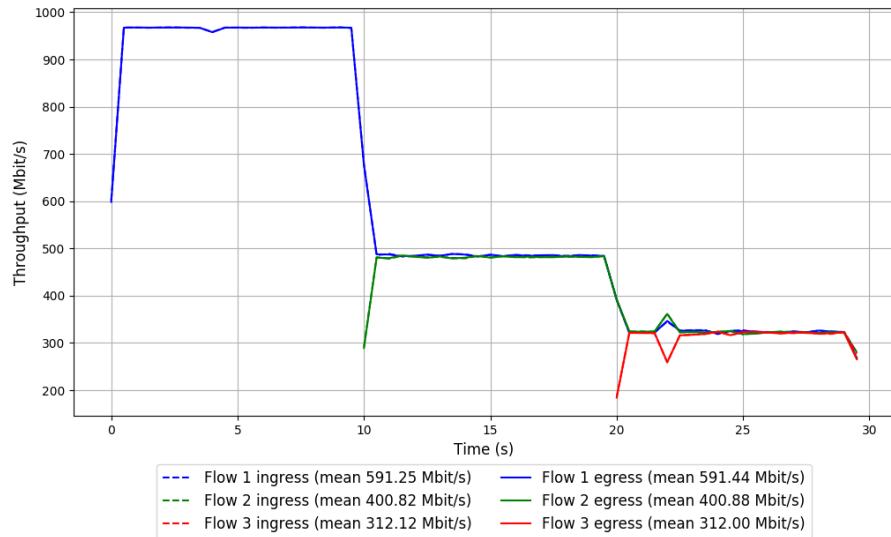


Run 3: Statistics of FillP

```
Start at: 2018-03-06 13:00:12
End at: 2018-03-06 13:00:42
Local clock offset: -4.86 ms
Remote clock offset: 4.615 ms

# Below is generated by plot.py at 2018-03-06 23:40:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 961.02 Mbit/s
95th percentile per-packet one-way delay: 4.002 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 591.44 Mbit/s
95th percentile per-packet one-way delay: 3.880 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.88 Mbit/s
95th percentile per-packet one-way delay: 4.125 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 312.00 Mbit/s
95th percentile per-packet one-way delay: 4.130 ms
Loss rate: 0.24%
```

Run 3: Report of FillP — Data Link

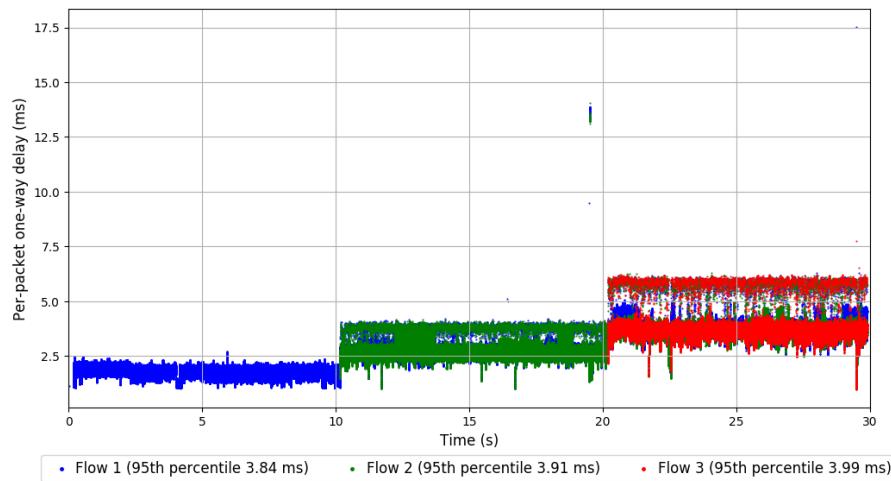
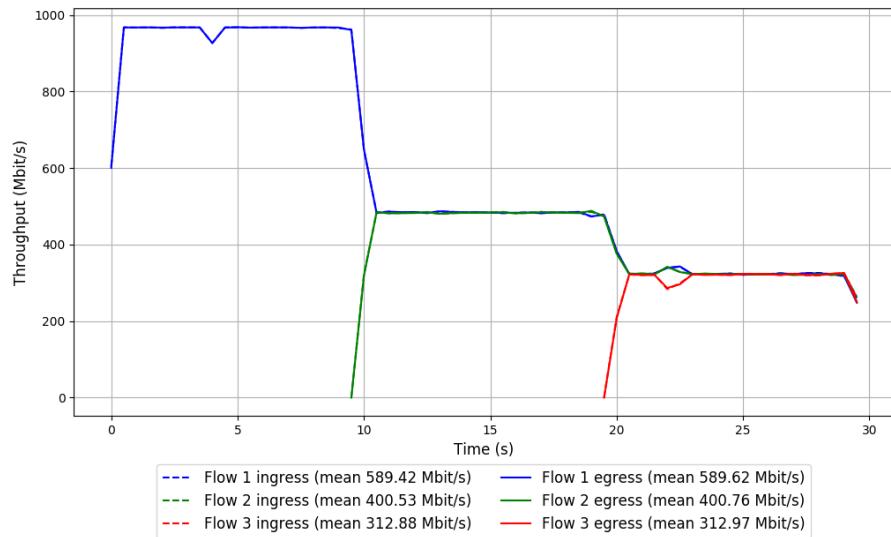


Run 4: Statistics of FillP

```
Start at: 2018-03-06 13:29:26
End at: 2018-03-06 13:29:56
Local clock offset: -4.689 ms
Remote clock offset: 0.182 ms

# Below is generated by plot.py at 2018-03-06 23:41:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.06 Mbit/s
95th percentile per-packet one-way delay: 3.904 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.62 Mbit/s
95th percentile per-packet one-way delay: 3.844 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.76 Mbit/s
95th percentile per-packet one-way delay: 3.910 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 312.97 Mbit/s
95th percentile per-packet one-way delay: 3.992 ms
Loss rate: 0.22%
```

### Run 4: Report of FillP — Data Link

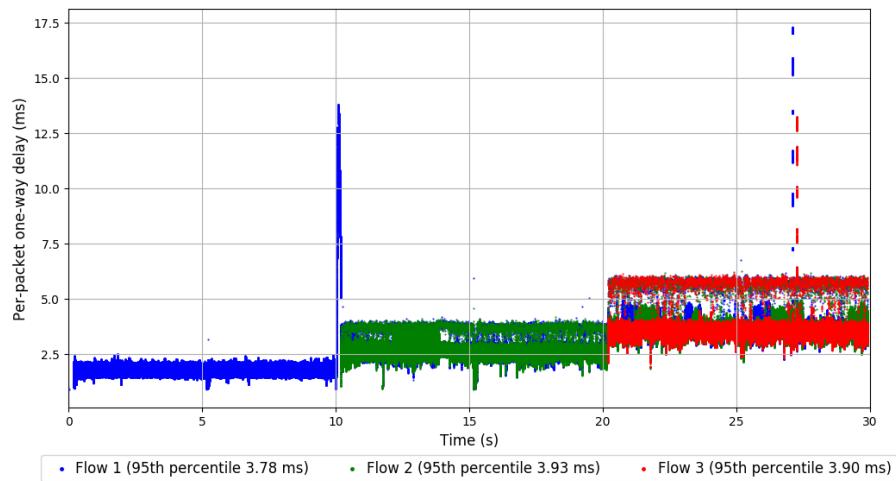
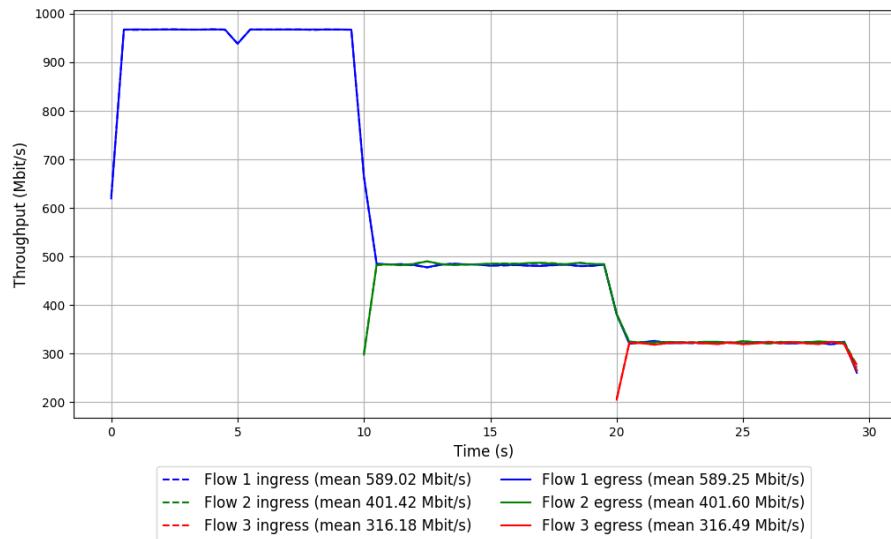


Run 5: Statistics of FillP

```
Start at: 2018-03-06 13:59:00
End at: 2018-03-06 13:59:30
Local clock offset: 2.781 ms
Remote clock offset: 0.377 ms

# Below is generated by plot.py at 2018-03-06 23:42:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.99 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 589.25 Mbit/s
95th percentile per-packet one-way delay: 3.783 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.60 Mbit/s
95th percentile per-packet one-way delay: 3.931 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.49 Mbit/s
95th percentile per-packet one-way delay: 3.897 ms
Loss rate: 0.21%
```

Run 5: Report of FillP — Data Link

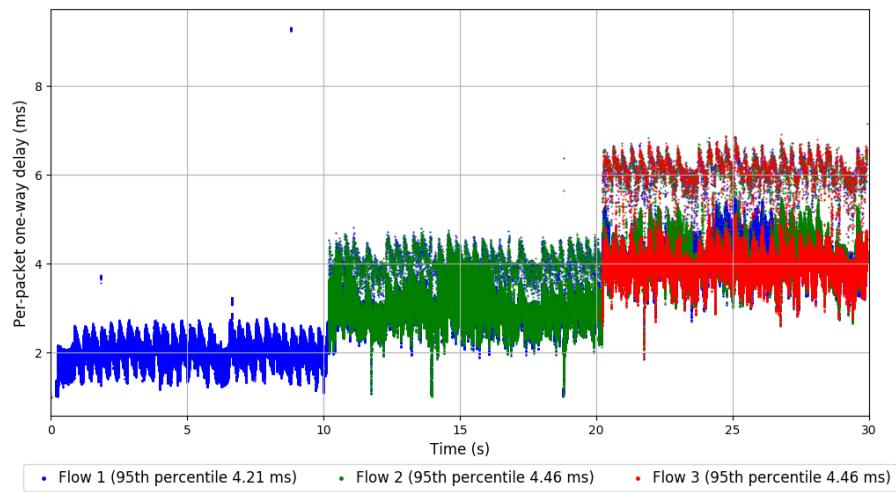
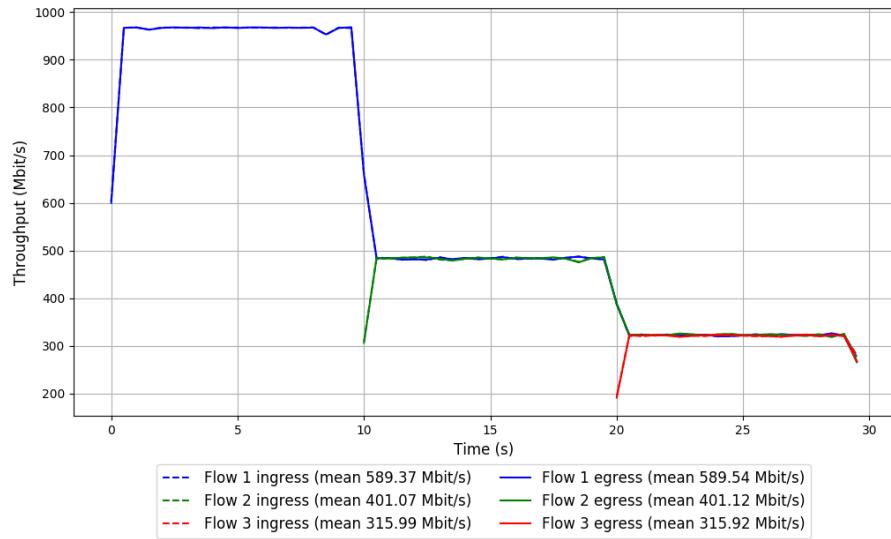


Run 6: Statistics of FillP

```
Start at: 2018-03-06 14:28:26
End at: 2018-03-06 14:28:56
Local clock offset: 4.243 ms
Remote clock offset: 1.326 ms

# Below is generated by plot.py at 2018-03-06 23:42:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.69 Mbit/s
95th percentile per-packet one-way delay: 4.349 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 589.54 Mbit/s
95th percentile per-packet one-way delay: 4.206 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.12 Mbit/s
95th percentile per-packet one-way delay: 4.465 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 315.92 Mbit/s
95th percentile per-packet one-way delay: 4.464 ms
Loss rate: 0.23%
```

### Run 6: Report of FillP — Data Link

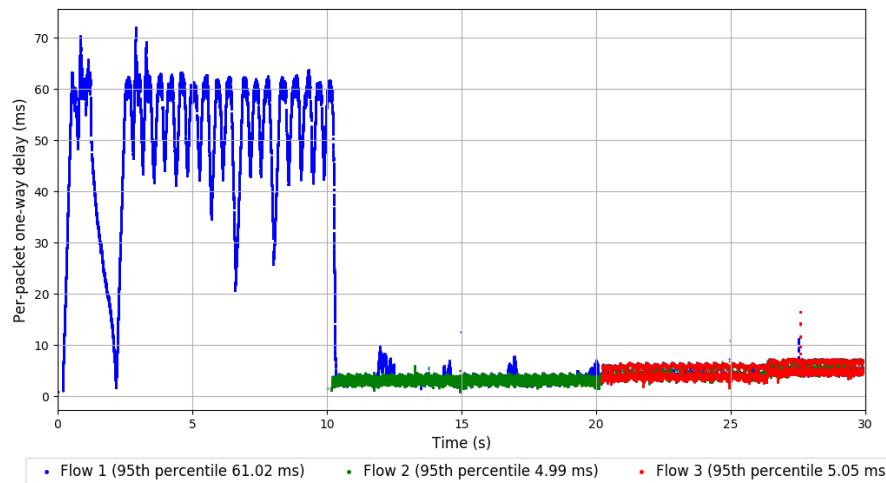
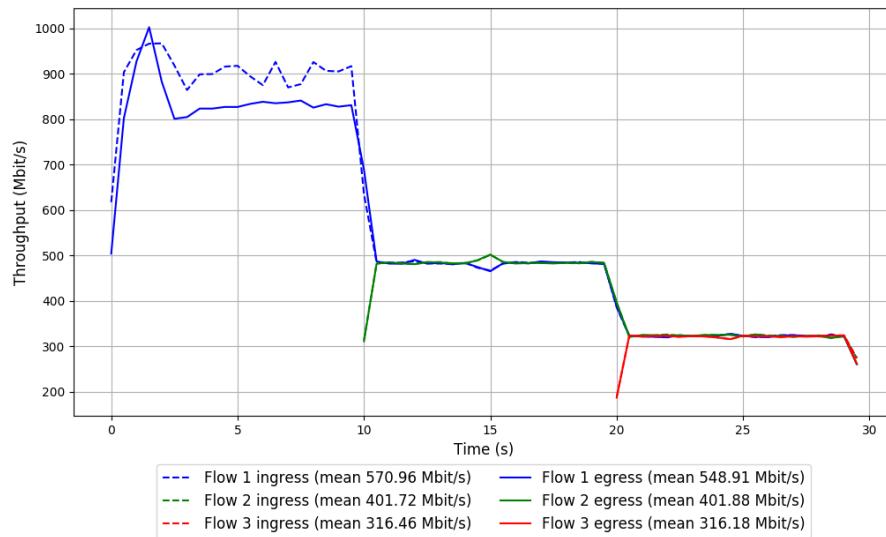


Run 7: Statistics of FillP

```
Start at: 2018-03-06 15:03:00
End at: 2018-03-06 15:03:30
Local clock offset: 1.099 ms
Remote clock offset: 2.206 ms

# Below is generated by plot.py at 2018-03-06 23:42:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 920.40 Mbit/s
95th percentile per-packet one-way delay: 60.338 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 548.91 Mbit/s
95th percentile per-packet one-way delay: 61.018 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 401.88 Mbit/s
95th percentile per-packet one-way delay: 4.989 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 316.18 Mbit/s
95th percentile per-packet one-way delay: 5.048 ms
Loss rate: 0.31%
```

Run 7: Report of FillP — Data Link

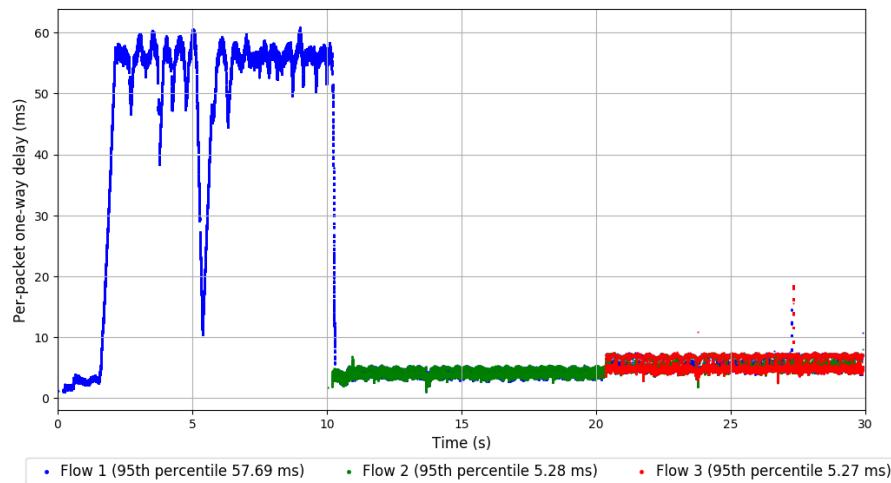
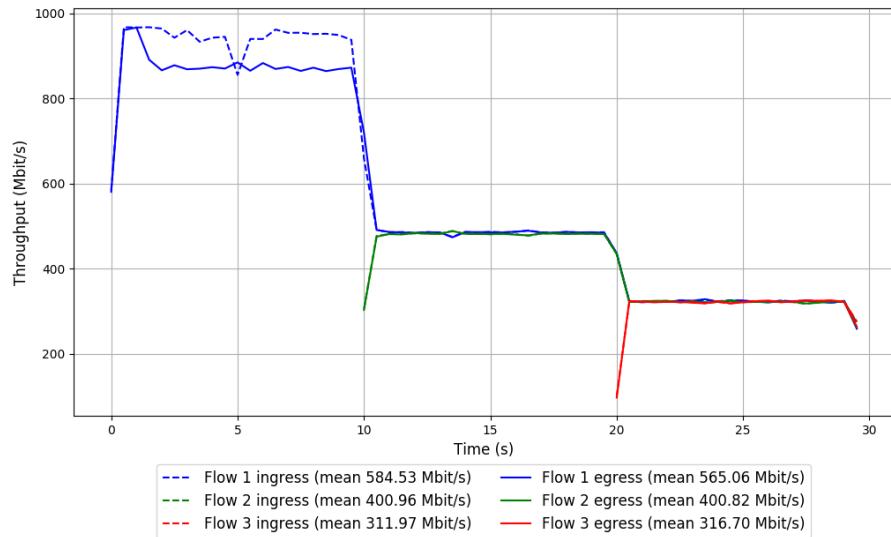


Run 8: Statistics of FillP

```
Start at: 2018-03-06 15:32:10
End at: 2018-03-06 15:32:40
Local clock offset: 0.716 ms
Remote clock offset: 2.283 ms

# Below is generated by plot.py at 2018-03-06 23:42:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 934.48 Mbit/s
95th percentile per-packet one-way delay: 57.147 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 565.06 Mbit/s
95th percentile per-packet one-way delay: 57.689 ms
Loss rate: 3.38%
-- Flow 2:
Average throughput: 400.82 Mbit/s
95th percentile per-packet one-way delay: 5.280 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 316.70 Mbit/s
95th percentile per-packet one-way delay: 5.272 ms
Loss rate: 0.27%
```

### Run 8: Report of FillP — Data Link

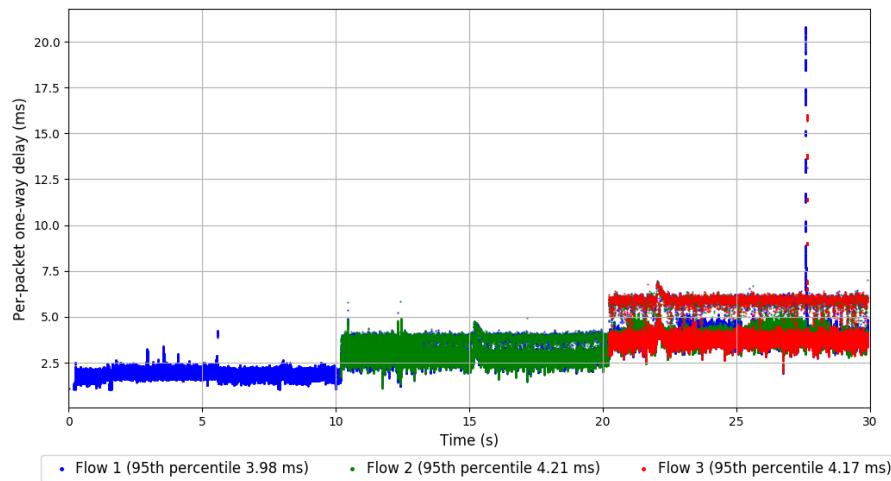
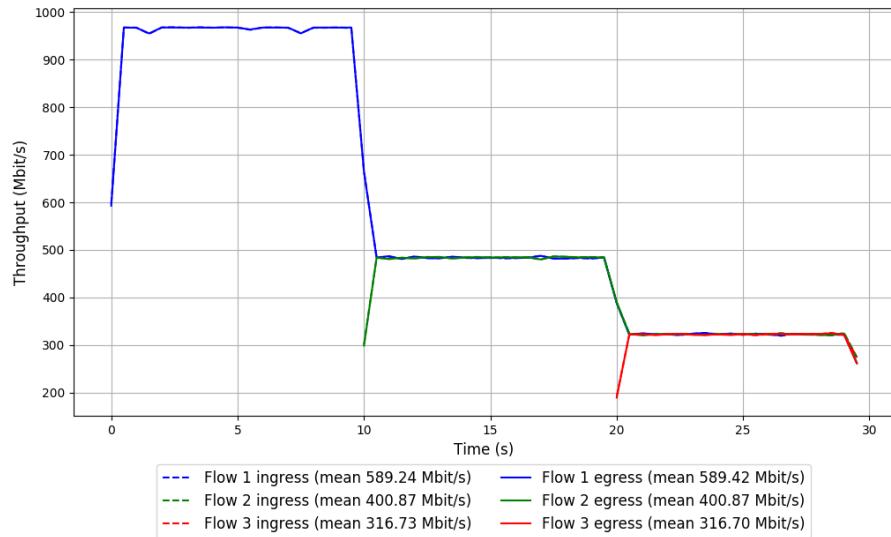


Run 9: Statistics of FillP

```
Start at: 2018-03-06 16:01:32
End at: 2018-03-06 16:02:02
Local clock offset: -0.712 ms
Remote clock offset: 2.421 ms

# Below is generated by plot.py at 2018-03-06 23:54:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 960.55 Mbit/s
95th percentile per-packet one-way delay: 4.087 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.42 Mbit/s
95th percentile per-packet one-way delay: 3.981 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.87 Mbit/s
95th percentile per-packet one-way delay: 4.211 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.70 Mbit/s
95th percentile per-packet one-way delay: 4.171 ms
Loss rate: 0.24%
```

Run 9: Report of FillP — Data Link

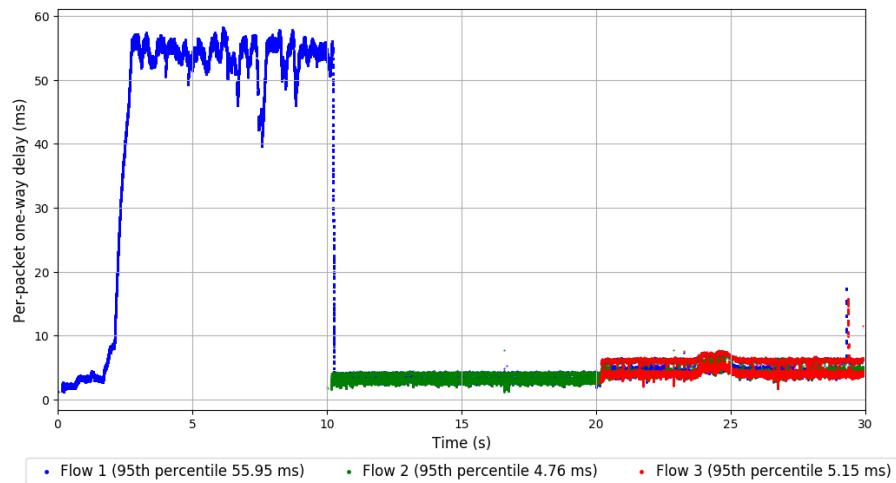
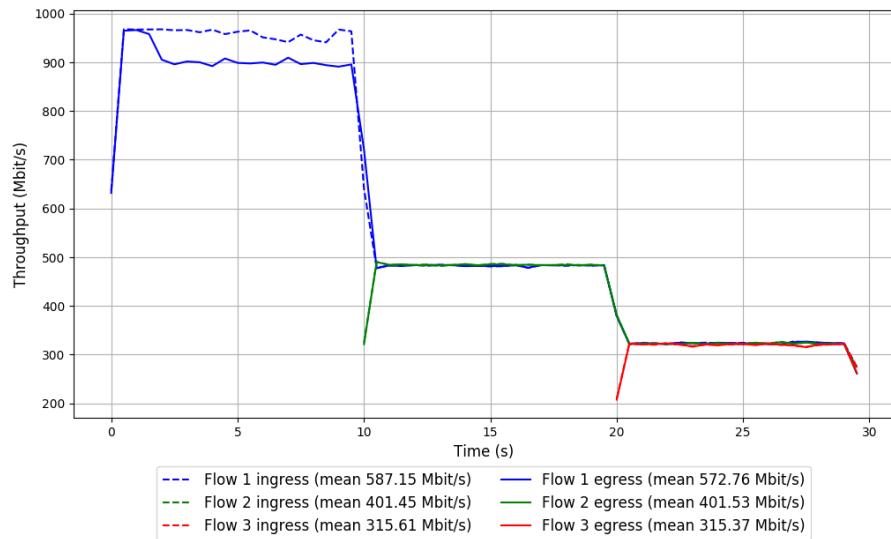


Run 10: Statistics of FillP

```
Start at: 2018-03-06 16:30:26
End at: 2018-03-06 16:30:56
Local clock offset: -3.404 ms
Remote clock offset: 1.646 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 944.18 Mbit/s
95th percentile per-packet one-way delay: 55.564 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 572.76 Mbit/s
95th percentile per-packet one-way delay: 55.945 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 401.53 Mbit/s
95th percentile per-packet one-way delay: 4.762 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.37 Mbit/s
95th percentile per-packet one-way delay: 5.154 ms
Loss rate: 0.23%
```

## Run 10: Report of FillP — Data Link

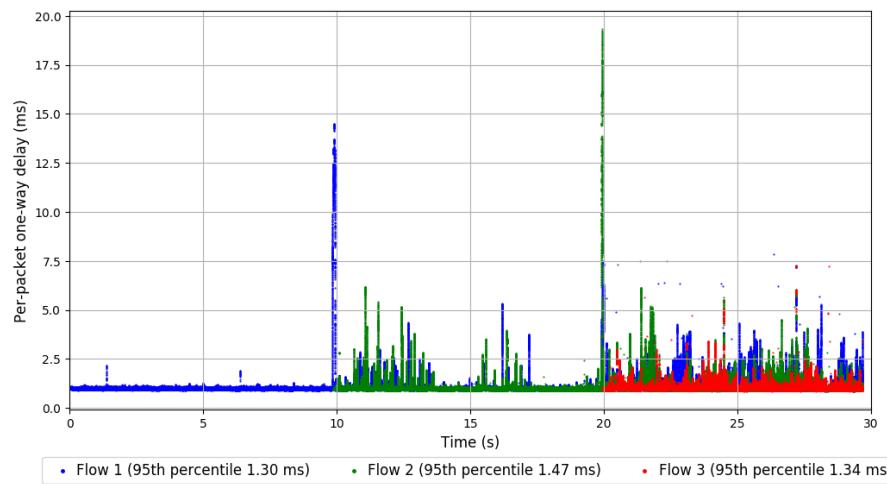
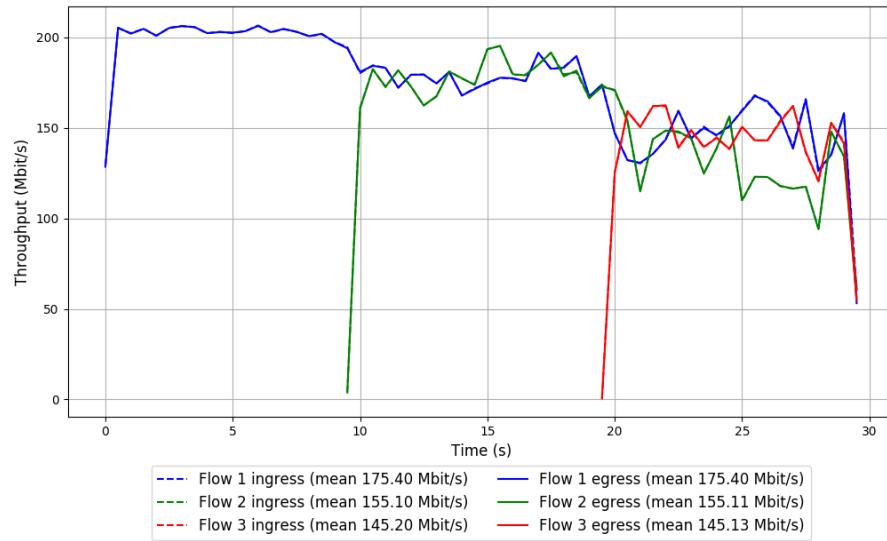


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-03-06 11:44:58
End at: 2018-03-06 11:45:28
Local clock offset: 4.644 ms
Remote clock offset: 4.183 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.47 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 175.40 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 155.11 Mbit/s
95th percentile per-packet one-way delay: 1.470 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 145.13 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.23%
```

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

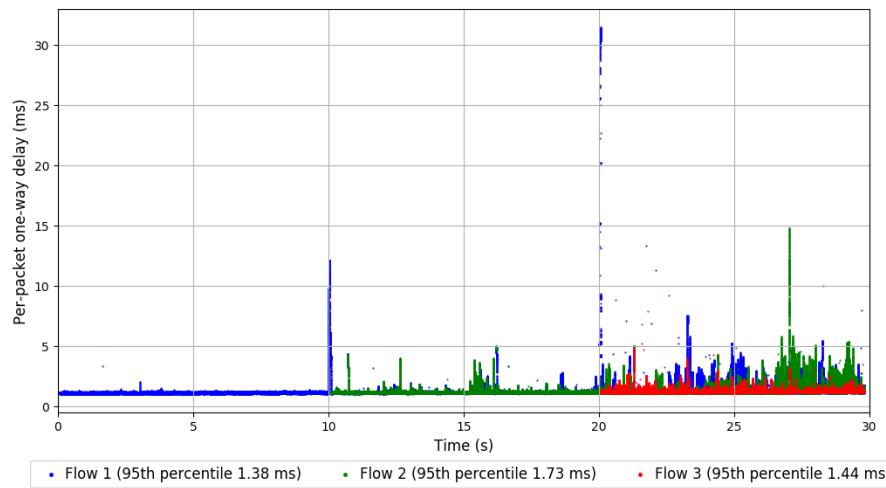
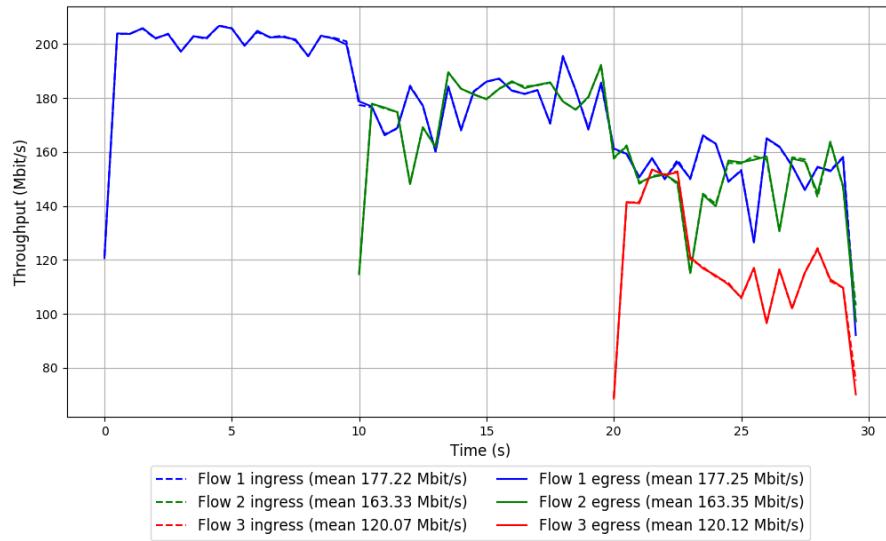


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-03-06 12:14:44
End at: 2018-03-06 12:15:14
Local clock offset: -4.159 ms
Remote clock offset: 5.753 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 324.75 Mbit/s
95th percentile per-packet one-way delay: 1.501 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 177.25 Mbit/s
95th percentile per-packet one-way delay: 1.382 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 163.35 Mbit/s
95th percentile per-packet one-way delay: 1.726 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 120.12 Mbit/s
95th percentile per-packet one-way delay: 1.443 ms
Loss rate: 0.22%
```

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

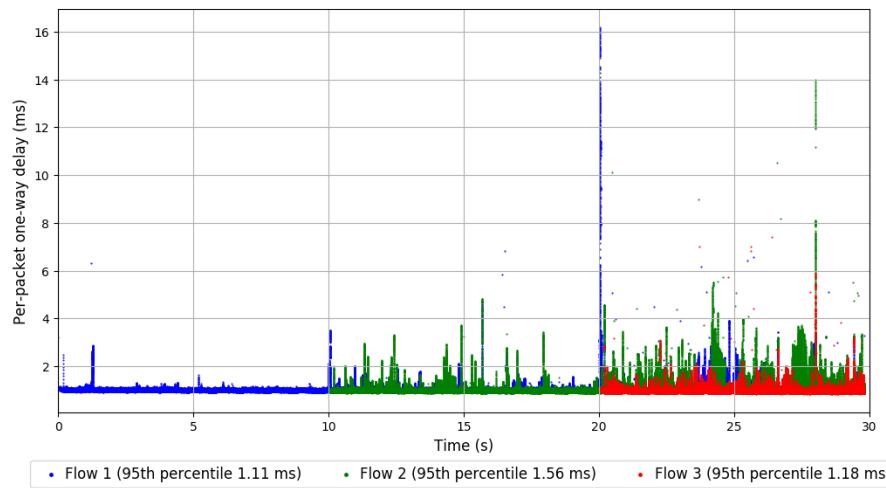
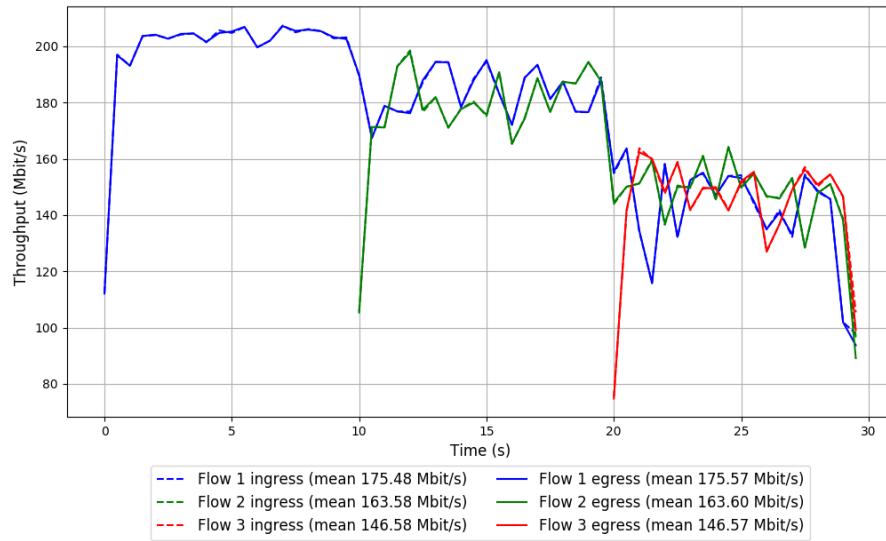


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-03-06 12:44:20
End at: 2018-03-06 12:44:50
Local clock offset: -4.756 ms
Remote clock offset: 5.65 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 332.06 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 175.57 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 163.60 Mbit/s
95th percentile per-packet one-way delay: 1.562 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 146.57 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.22%
```

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

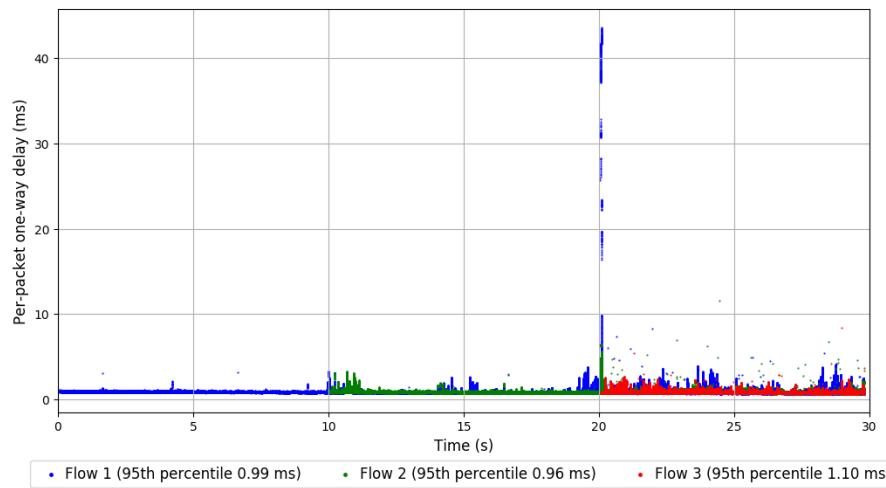
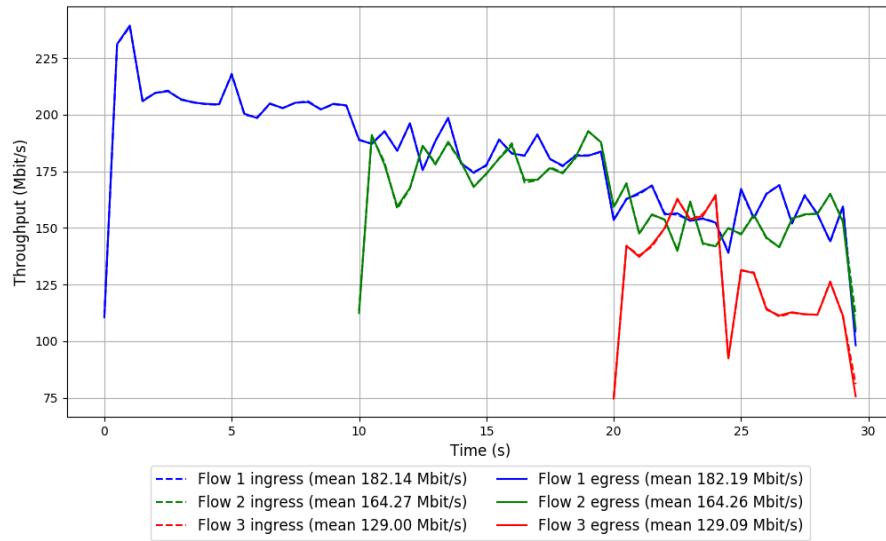


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-03-06 13:13:42
End at: 2018-03-06 13:14:12
Local clock offset: -4.667 ms
Remote clock offset: 3.832 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.41 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 182.19 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 164.26 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 129.09 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.22%
```

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

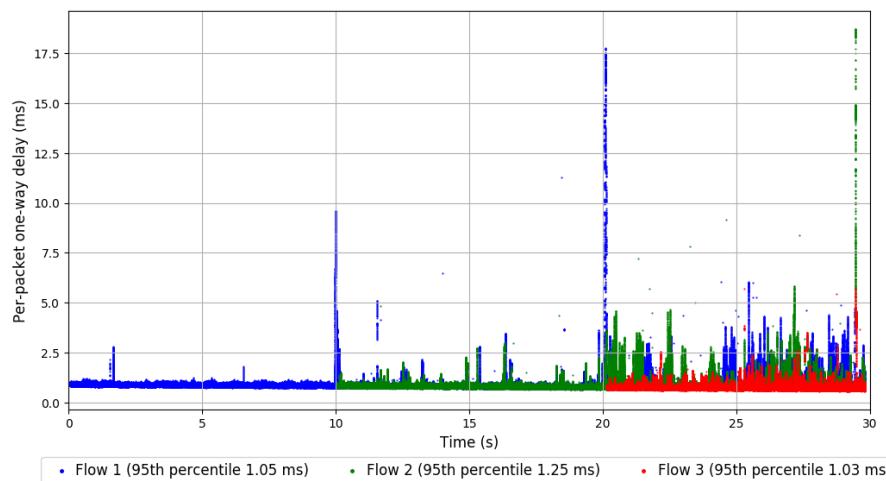
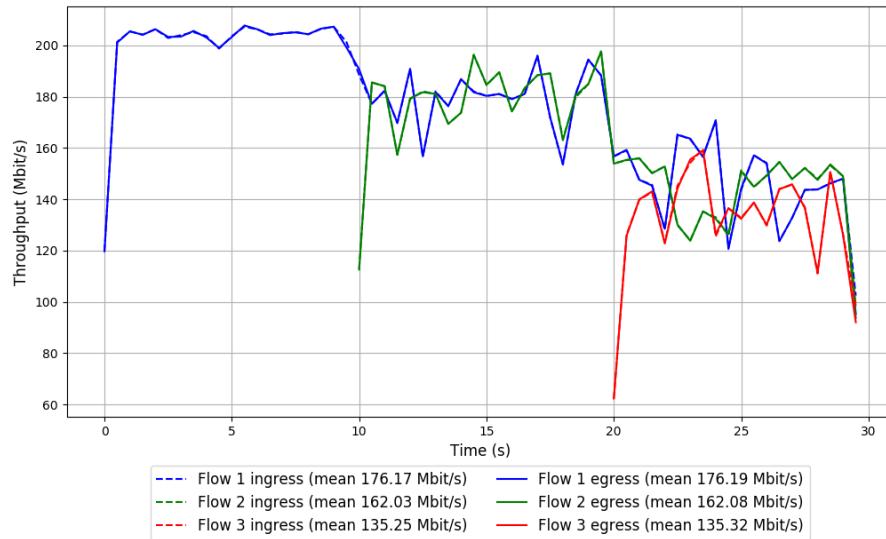


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-03-06 13:42:51
End at: 2018-03-06 13:43:21
Local clock offset: -0.998 ms
Remote clock offset: -0.945 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.77 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 176.19 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 162.08 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 135.32 Mbit/s
95th percentile per-packet one-way delay: 1.028 ms
Loss rate: 0.25%
```

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

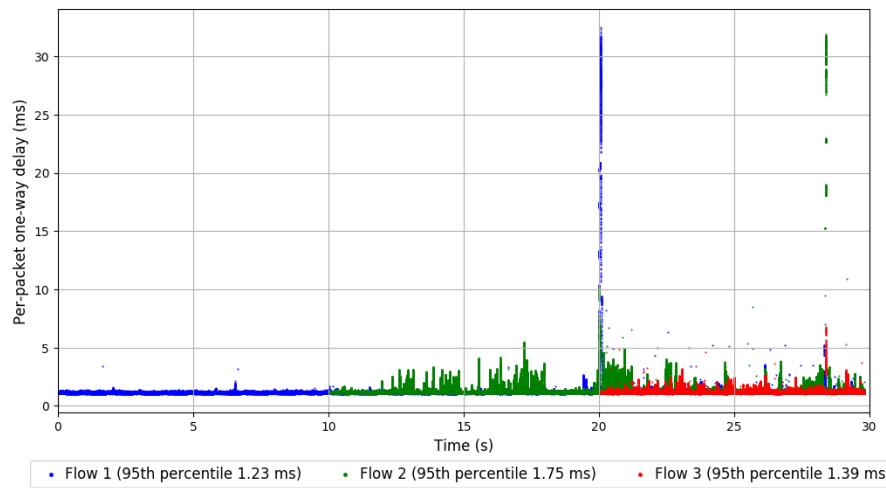
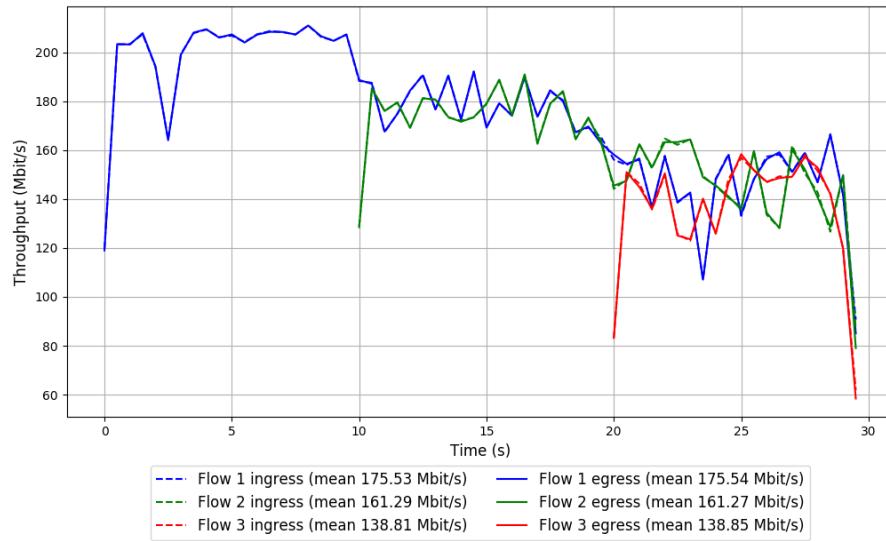


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-03-06 14:12:26
End at: 2018-03-06 14:12:56
Local clock offset: 4.048 ms
Remote clock offset: 0.492 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.06 Mbit/s
95th percentile per-packet one-way delay: 1.350 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 161.27 Mbit/s
95th percentile per-packet one-way delay: 1.750 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 138.85 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.13%
```

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

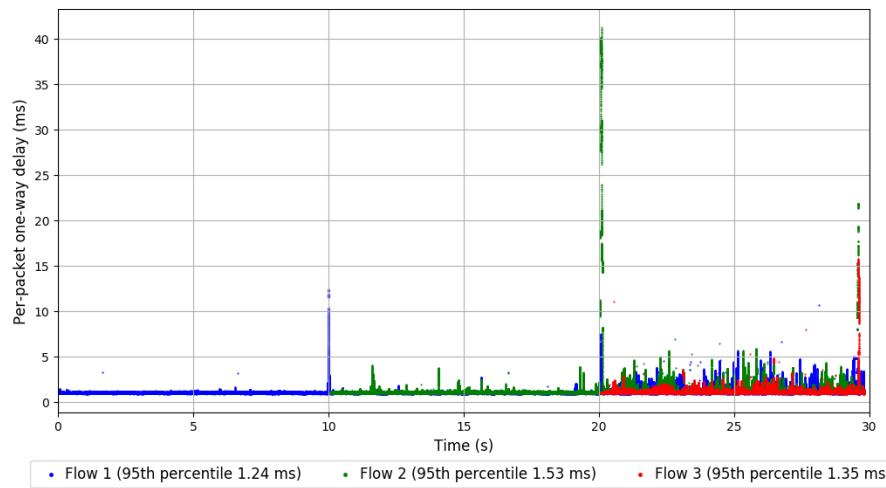
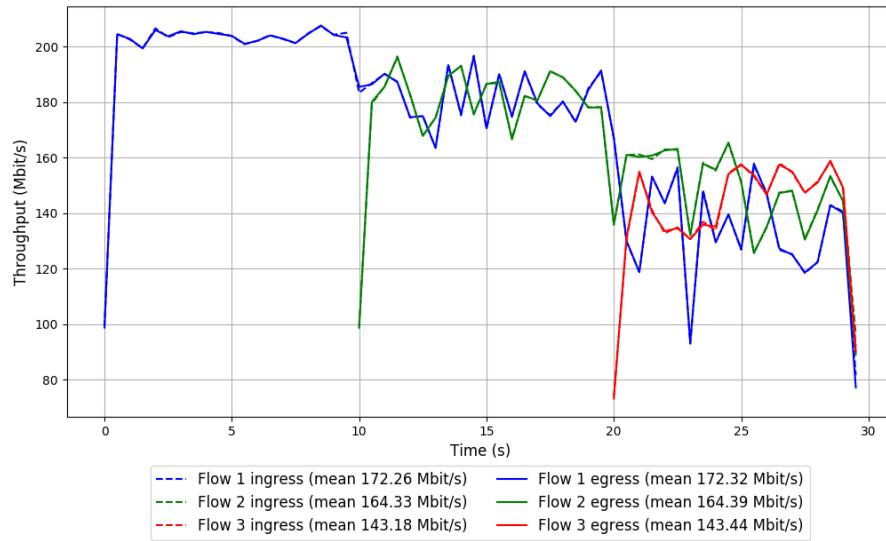


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-03-06 14:41:51
End at: 2018-03-06 14:42:21
Local clock offset: 5.248 ms
Remote clock offset: 1.95 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 327.92 Mbit/s
95th percentile per-packet one-way delay: 1.358 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 172.32 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 164.39 Mbit/s
95th percentile per-packet one-way delay: 1.533 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 143.44 Mbit/s
95th percentile per-packet one-way delay: 1.351 ms
Loss rate: 0.07%
```

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

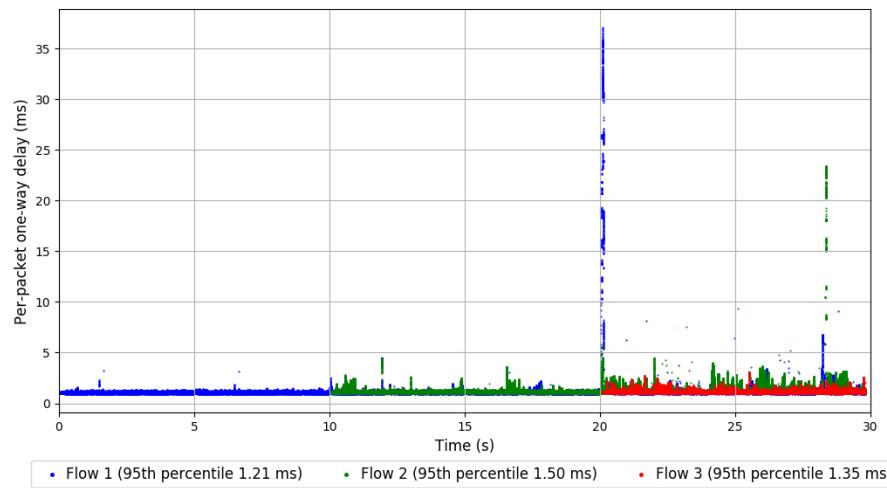
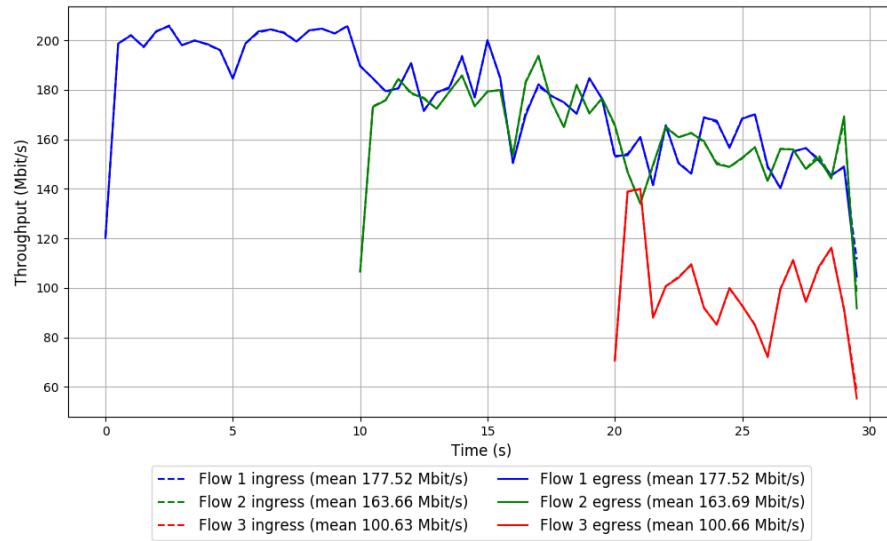


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-03-06 15:16:28
End at: 2018-03-06 15:16:58
Local clock offset: 0.855 ms
Remote clock offset: 2.336 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 318.95 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 177.52 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 163.69 Mbit/s
95th percentile per-packet one-way delay: 1.496 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 100.66 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.16%
```

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

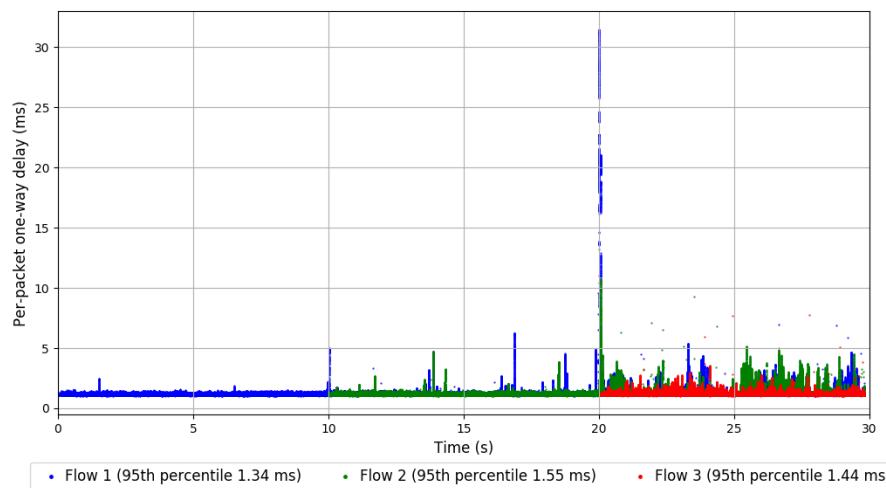
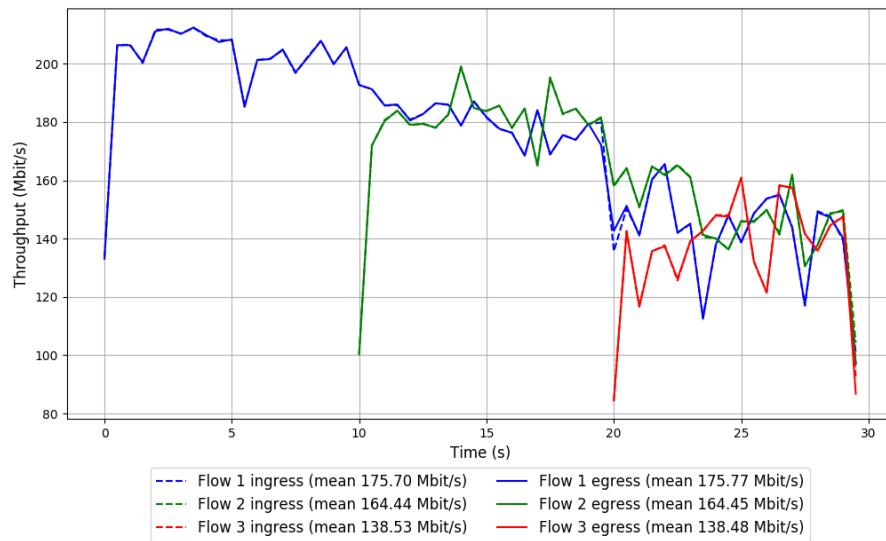


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-03-06 15:45:26
End at: 2018-03-06 15:45:56
Local clock offset: 0.689 ms
Remote clock offset: 2.311 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.40 Mbit/s
95th percentile per-packet one-way delay: 1.412 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.77 Mbit/s
95th percentile per-packet one-way delay: 1.345 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 164.45 Mbit/s
95th percentile per-packet one-way delay: 1.546 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 138.48 Mbit/s
95th percentile per-packet one-way delay: 1.435 ms
Loss rate: 0.24%
```

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

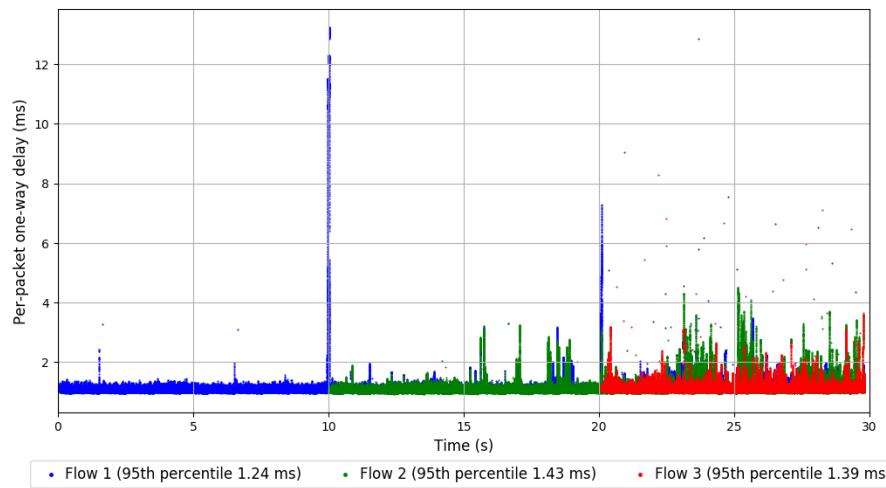
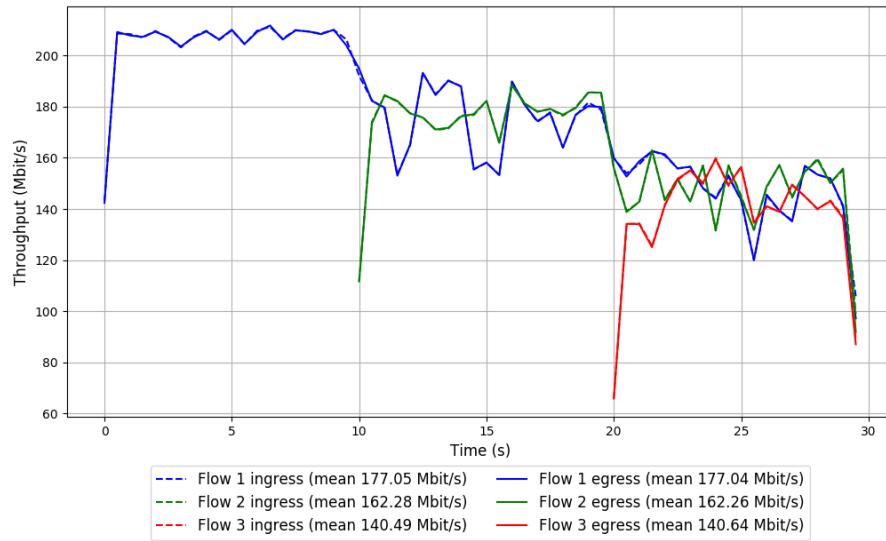


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-03-06 16:14:37
End at: 2018-03-06 16:15:07
Local clock offset: -1.529 ms
Remote clock offset: 1.843 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 330.76 Mbit/s
95th percentile per-packet one-way delay: 1.307 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 177.04 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 162.26 Mbit/s
95th percentile per-packet one-way delay: 1.430 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 140.64 Mbit/s
95th percentile per-packet one-way delay: 1.392 ms
Loss rate: 0.09%
```

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

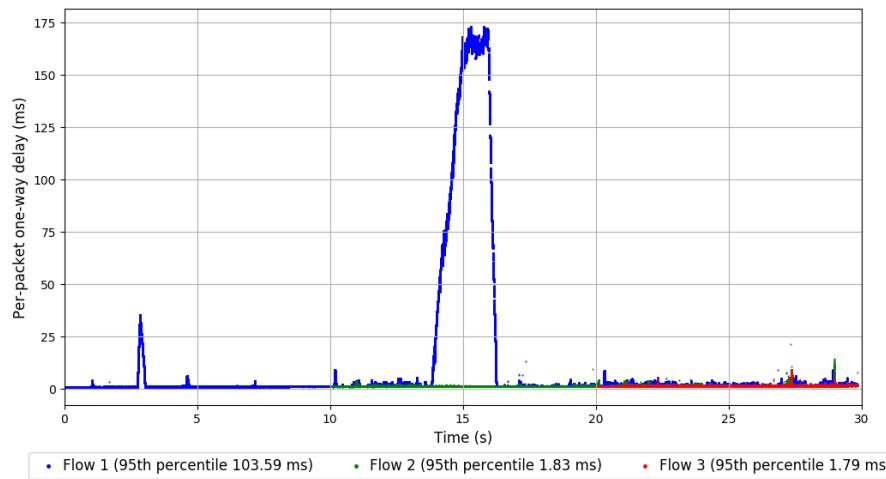
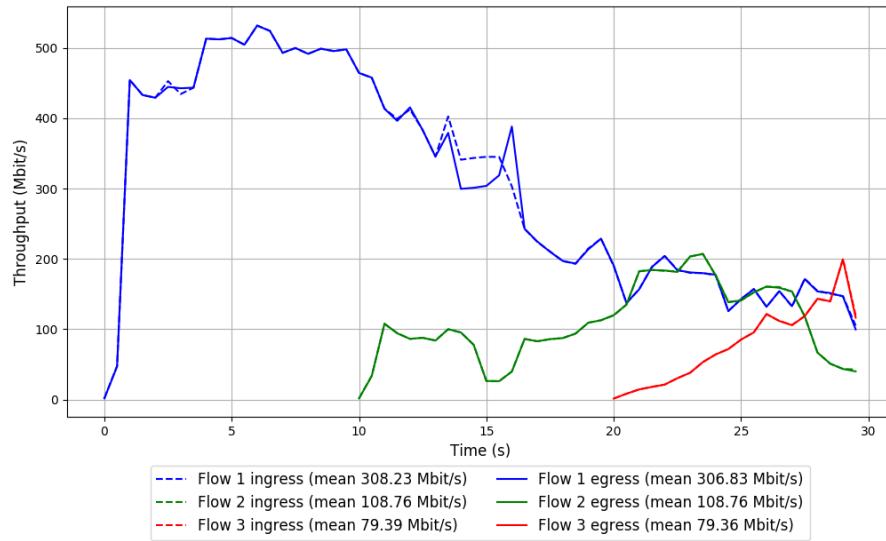


Run 1: Statistics of Vivace-latency

```
Start at: 2018-03-06 11:53:10
End at: 2018-03-06 11:53:40
Local clock offset: 5.844 ms
Remote clock offset: 4.688 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.11 Mbit/s
95th percentile per-packet one-way delay: 64.991 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 306.83 Mbit/s
95th percentile per-packet one-way delay: 103.592 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 108.76 Mbit/s
95th percentile per-packet one-way delay: 1.830 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 1.788 ms
Loss rate: 0.22%
```

## Run 1: Report of Vivace-latency — Data Link

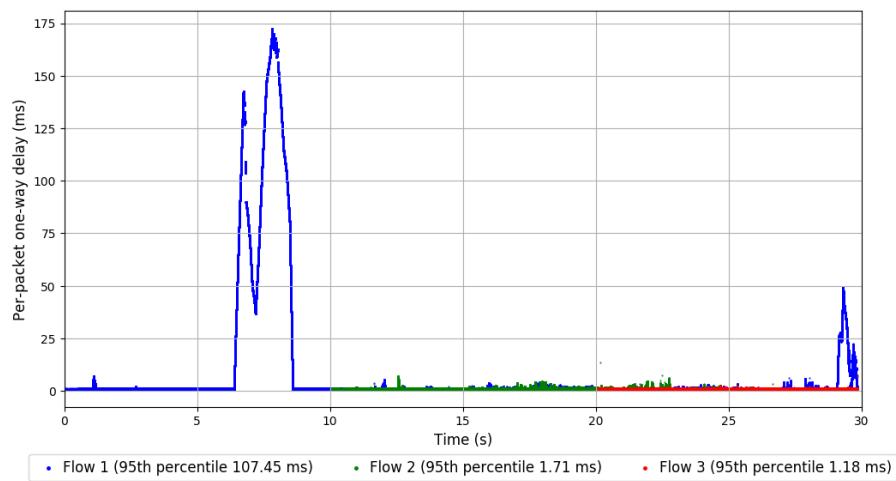
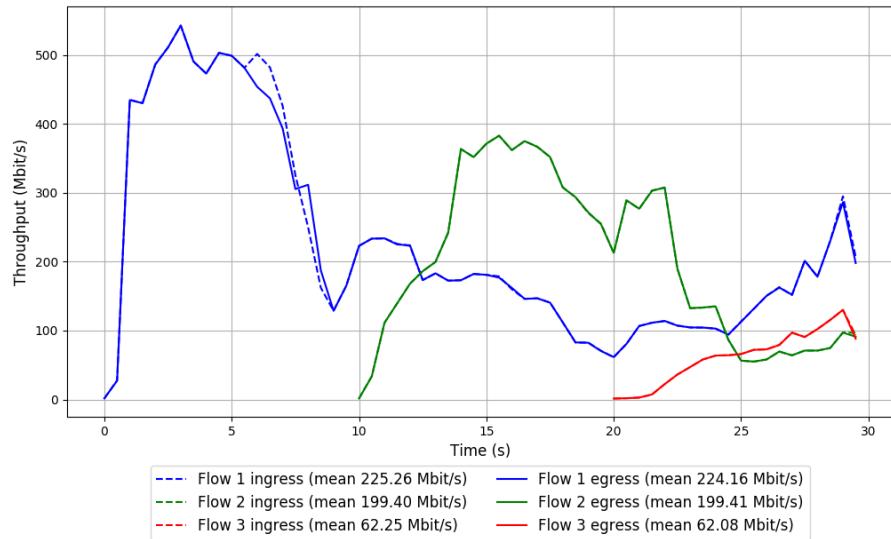


Run 2: Statistics of Vivace-latency

```
Start at: 2018-03-06 12:22:54
End at: 2018-03-06 12:23:24
Local clock offset: -4.89 ms
Remote clock offset: 6.167 ms

# Below is generated by plot.py at 2018-03-06 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.00 Mbit/s
95th percentile per-packet one-way delay: 67.389 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 224.16 Mbit/s
95th percentile per-packet one-way delay: 107.446 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 199.41 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 62.08 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.42%
```

Run 2: Report of Vivace-latency — Data Link

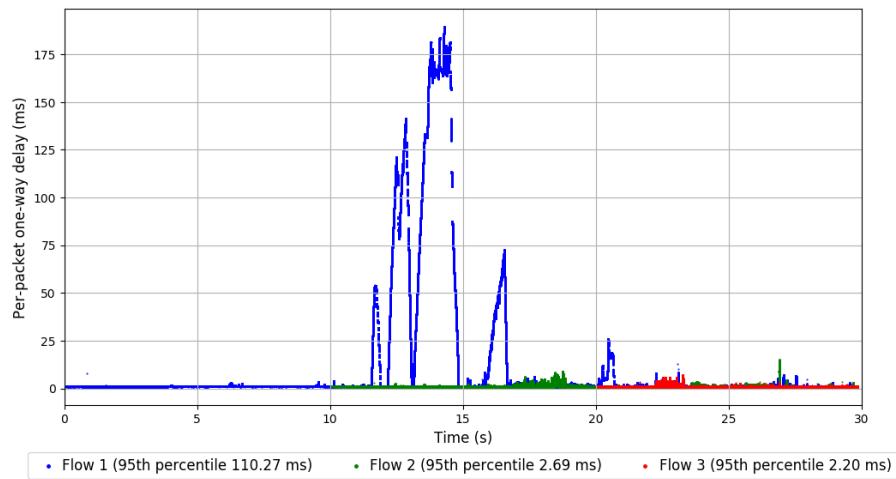
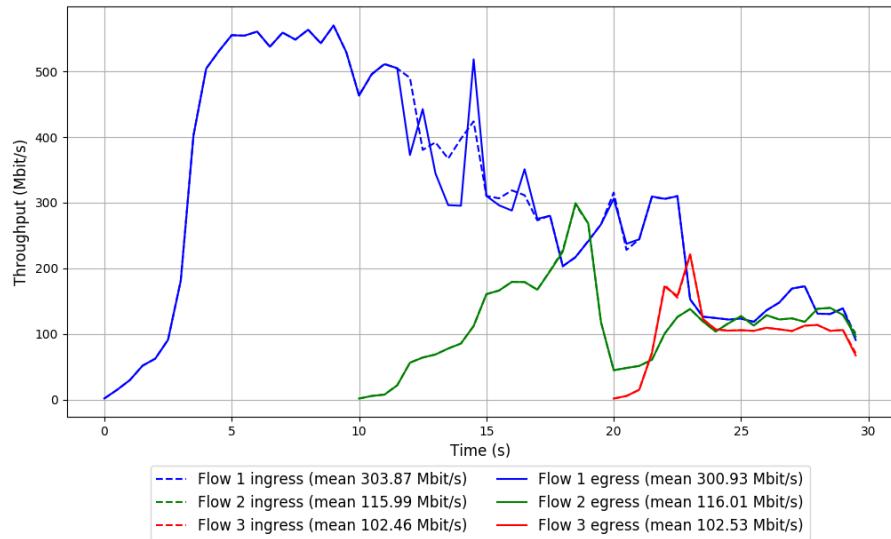


Run 3: Statistics of Vivace-latency

```
Start at: 2018-03-06 12:52:36
End at: 2018-03-06 12:53:06
Local clock offset: -4.913 ms
Remote clock offset: 4.89 ms

# Below is generated by plot.py at 2018-03-06 23:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.70 Mbit/s
95th percentile per-packet one-way delay: 80.193 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 300.93 Mbit/s
95th percentile per-packet one-way delay: 110.266 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 116.01 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 102.53 Mbit/s
95th percentile per-packet one-way delay: 2.199 ms
Loss rate: 0.19%
```

Run 3: Report of Vivace-latency — Data Link

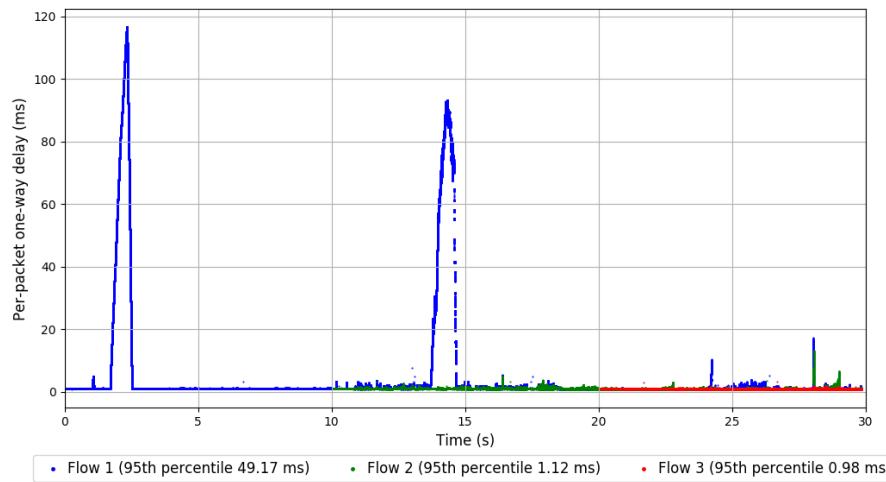
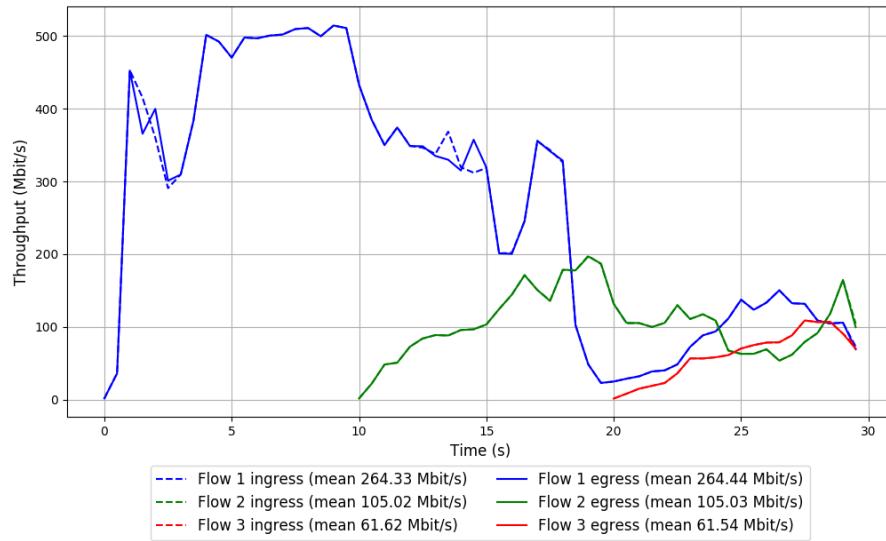


Run 4: Statistics of Vivace-latency

```
Start at: 2018-03-06 13:21:52
End at: 2018-03-06 13:22:22
Local clock offset: -4.695 ms
Remote clock offset: 1.341 ms

# Below is generated by plot.py at 2018-03-06 23:56:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.44 Mbit/s
95th percentile per-packet one-way delay: 21.614 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 264.44 Mbit/s
95th percentile per-packet one-way delay: 49.167 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 105.03 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 61.54 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.37%
```

Run 4: Report of Vivace-latency — Data Link

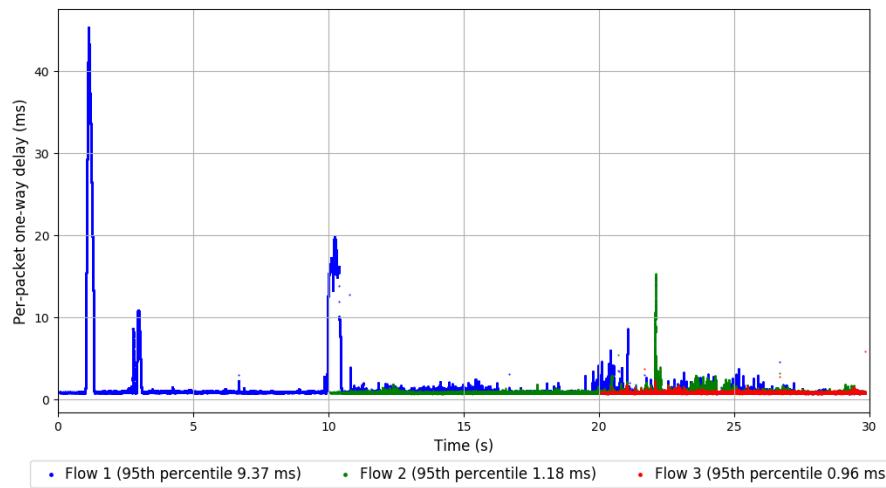
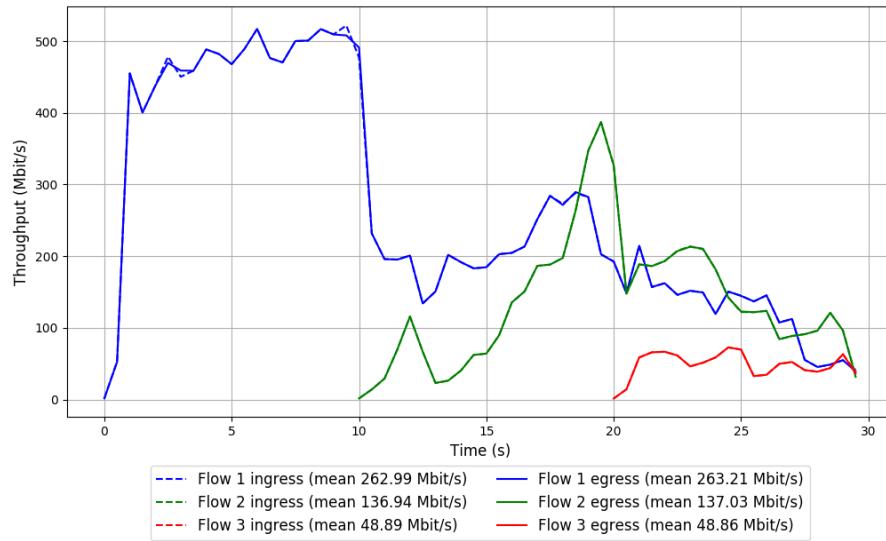


Run 5: Statistics of Vivace-latency

```
Start at: 2018-03-06 13:51:25
End at: 2018-03-06 13:51:55
Local clock offset: 1.315 ms
Remote clock offset: -0.225 ms

# Below is generated by plot.py at 2018-03-06 23:56:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.20 Mbit/s
95th percentile per-packet one-way delay: 3.063 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 263.21 Mbit/s
95th percentile per-packet one-way delay: 9.370 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 137.03 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 0.961 ms
Loss rate: 0.21%
```

Run 5: Report of Vivace-latency — Data Link

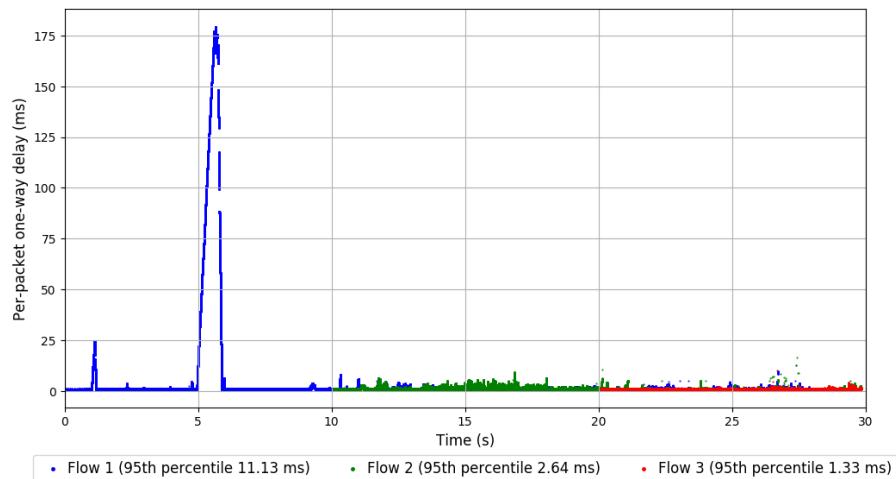
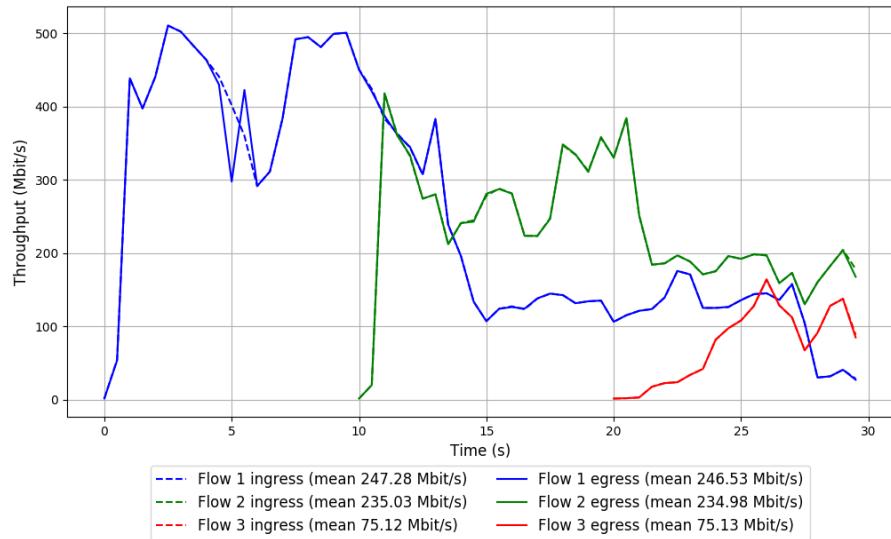


Run 6: Statistics of Vivace-latency

```
Start at: 2018-03-06 14:20:48
End at: 2018-03-06 14:21:18
Local clock offset: 3.892 ms
Remote clock offset: 0.506 ms

# Below is generated by plot.py at 2018-03-06 23:57:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 427.20 Mbit/s
95th percentile per-packet one-way delay: 3.087 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 246.53 Mbit/s
95th percentile per-packet one-way delay: 11.128 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 234.98 Mbit/s
95th percentile per-packet one-way delay: 2.640 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.28%
```

Run 6: Report of Vivace-latency — Data Link

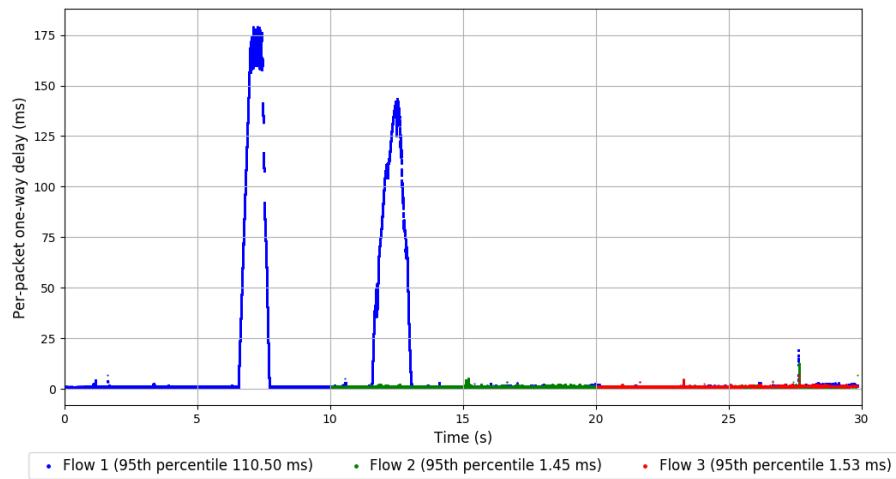
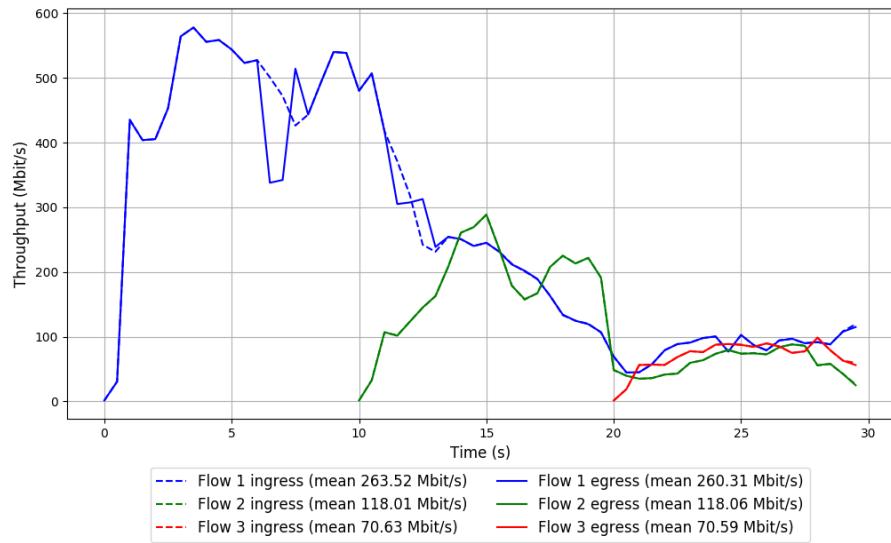


Run 7: Statistics of Vivace-latency

```
Start at: 2018-03-06 14:50:23
End at: 2018-03-06 14:50:53
Local clock offset: 2.963 ms
Remote clock offset: 2.12 ms

# Below is generated by plot.py at 2018-03-06 23:57:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.89 Mbit/s
95th percentile per-packet one-way delay: 80.257 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 260.31 Mbit/s
95th percentile per-packet one-way delay: 110.501 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 118.06 Mbit/s
95th percentile per-packet one-way delay: 1.449 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 1.533 ms
Loss rate: 0.25%
```

Run 7: Report of Vivace-latency — Data Link

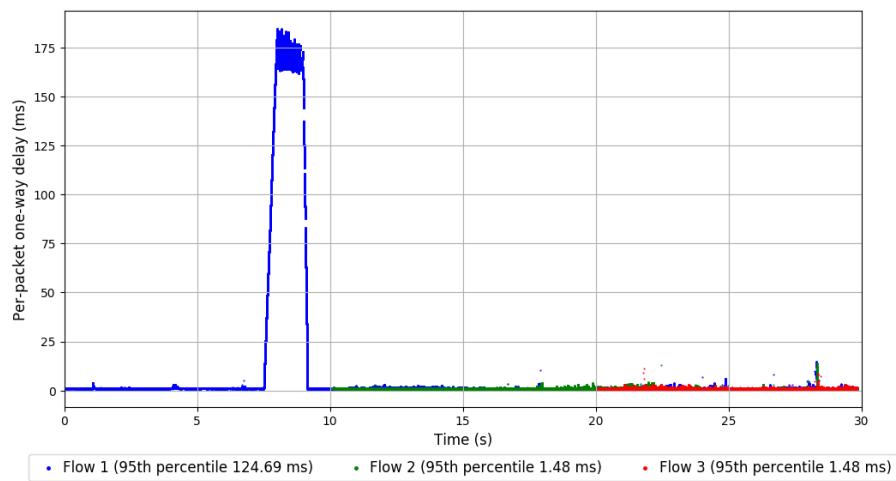
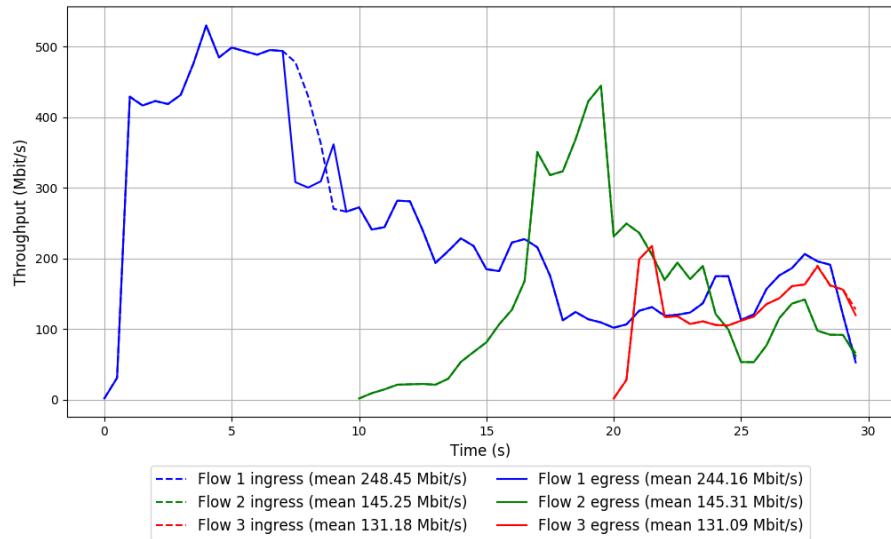


Run 8: Statistics of Vivace-latency

```
Start at: 2018-03-06 15:24:43
End at: 2018-03-06 15:25:13
Local clock offset: 0.716 ms
Remote clock offset: 2.393 ms

# Below is generated by plot.py at 2018-03-06 23:58:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.67 Mbit/s
95th percentile per-packet one-way delay: 3.004 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 244.16 Mbit/s
95th percentile per-packet one-way delay: 124.690 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 145.31 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 131.09 Mbit/s
95th percentile per-packet one-way delay: 1.480 ms
Loss rate: 0.35%
```

Run 8: Report of Vivace-latency — Data Link

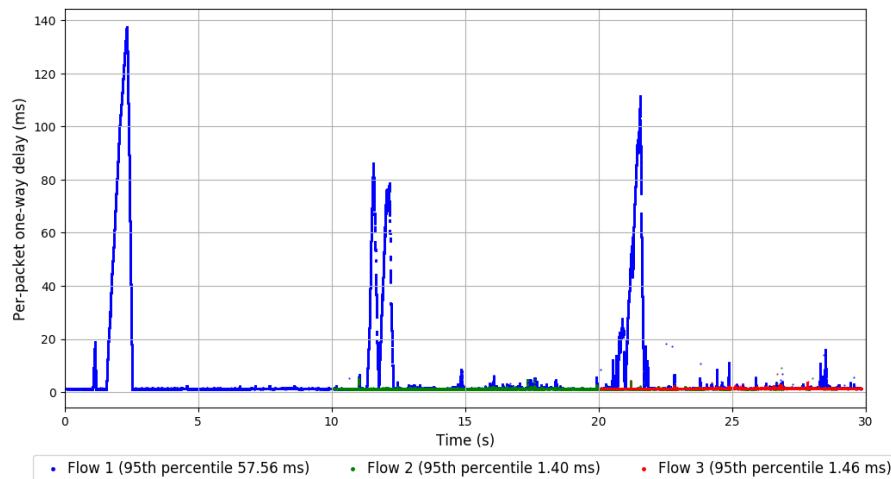
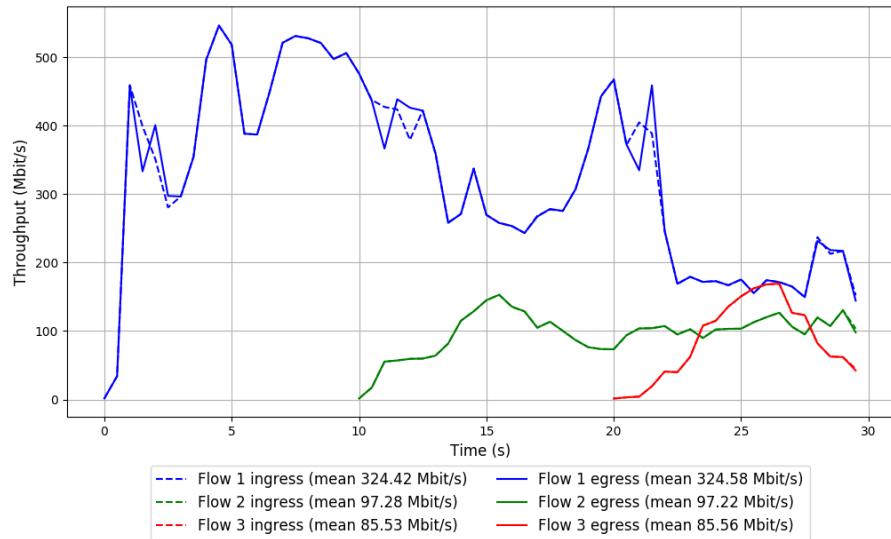


Run 9: Statistics of Vivace-latency

```
Start at: 2018-03-06 15:53:51
End at: 2018-03-06 15:54:21
Local clock offset: 0.438 ms
Remote clock offset: 2.338 ms

# Below is generated by plot.py at 2018-03-07 00:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.29 Mbit/s
95th percentile per-packet one-way delay: 44.067 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 324.58 Mbit/s
95th percentile per-packet one-way delay: 57.561 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 1.464 ms
Loss rate: 0.16%
```

Run 9: Report of Vivace-latency — Data Link

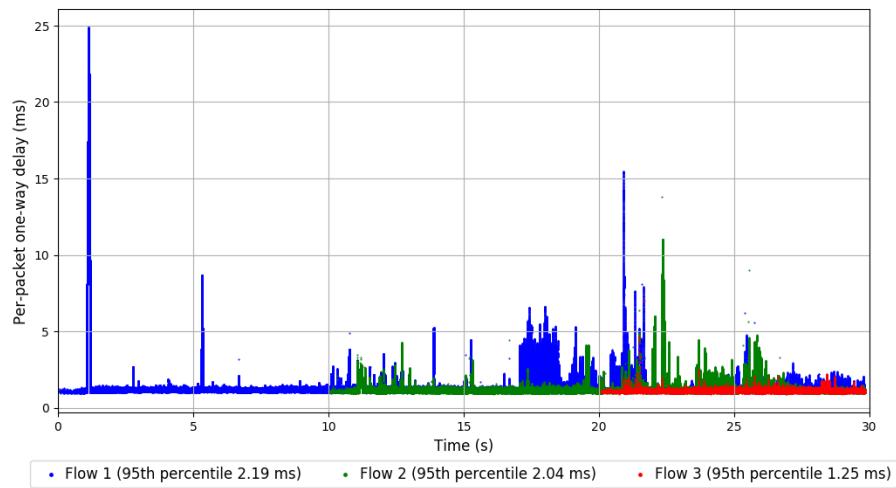
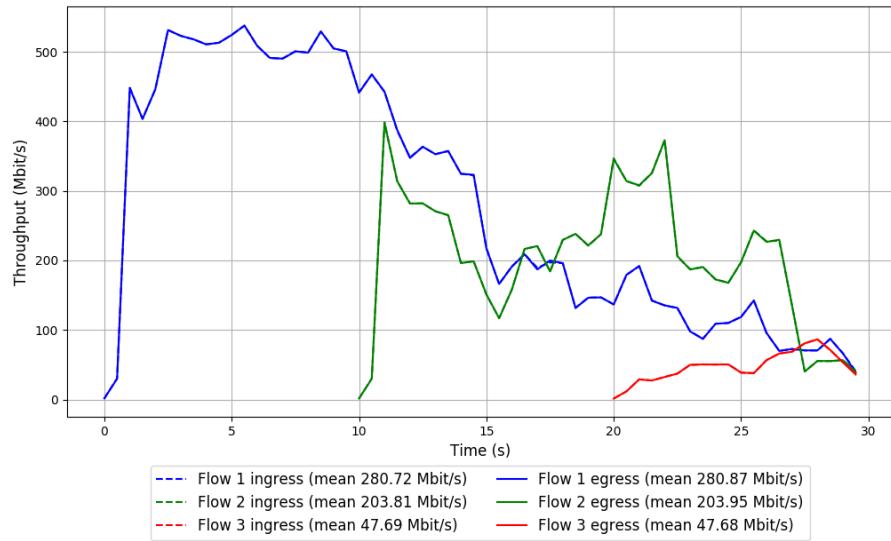


Run 10: Statistics of Vivace-latency

```
Start at: 2018-03-06 16:22:48
End at: 2018-03-06 16:23:18
Local clock offset: -1.88 ms
Remote clock offset: 1.668 ms

# Below is generated by plot.py at 2018-03-07 00:01:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.91 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 280.87 Mbit/s
95th percentile per-packet one-way delay: 2.190 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 203.95 Mbit/s
95th percentile per-packet one-way delay: 2.043 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.25%
```

## Run 10: Report of Vivace-latency — Data Link

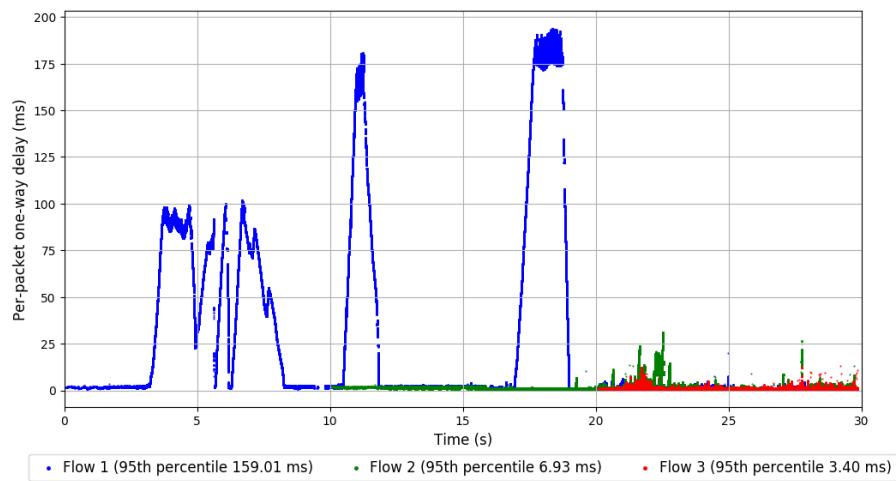
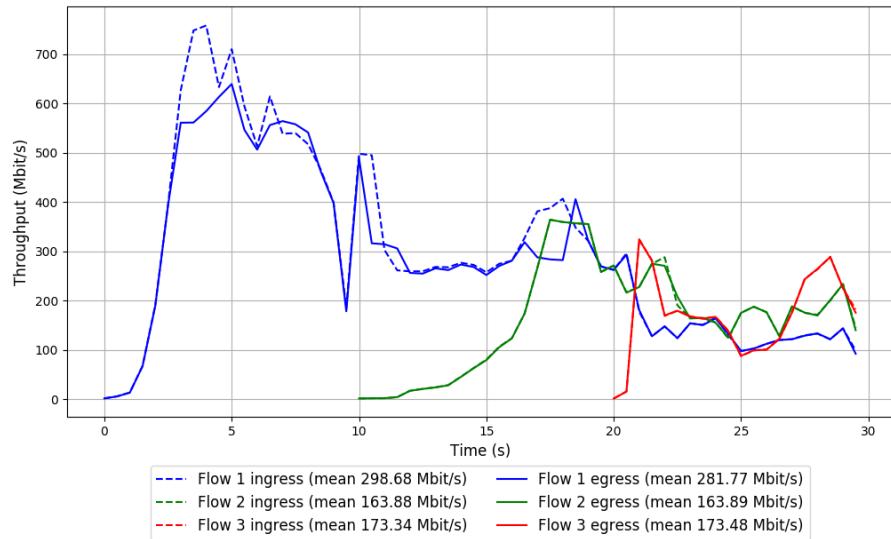


```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-03-06 11:48:23
End at: 2018-03-06 11:48:53
Local clock offset: 5.179 ms
Remote clock offset: 4.355 ms

# Below is generated by plot.py at 2018-03-07 00:02:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 447.39 Mbit/s
95th percentile per-packet one-way delay: 98.979 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 281.77 Mbit/s
95th percentile per-packet one-way delay: 159.010 ms
Loss rate: 5.73%
-- Flow 2:
Average throughput: 163.89 Mbit/s
95th percentile per-packet one-way delay: 6.927 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 173.48 Mbit/s
95th percentile per-packet one-way delay: 3.395 ms
Loss rate: 0.20%
```

Run 1: Report of Vivace-loss — Data Link

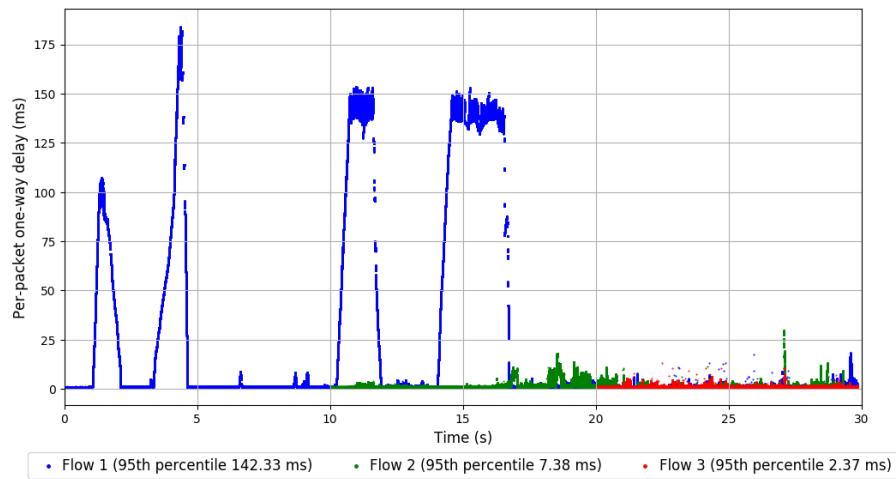
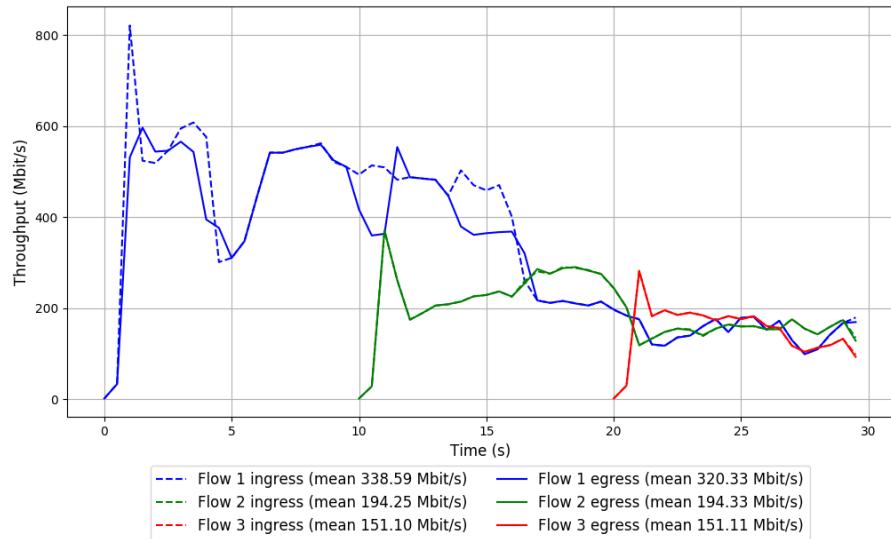


Run 2: Statistics of Vivace-loss

```
Start at: 2018-03-06 12:18:11
End at: 2018-03-06 12:18:41
Local clock offset: -4.451 ms
Remote clock offset: 5.936 ms

# Below is generated by plot.py at 2018-03-07 00:03:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 499.03 Mbit/s
95th percentile per-packet one-way delay: 138.993 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 320.33 Mbit/s
95th percentile per-packet one-way delay: 142.326 ms
Loss rate: 5.49%
-- Flow 2:
Average throughput: 194.33 Mbit/s
95th percentile per-packet one-way delay: 7.378 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 151.11 Mbit/s
95th percentile per-packet one-way delay: 2.371 ms
Loss rate: 0.18%
```

Run 2: Report of Vivace-loss — Data Link

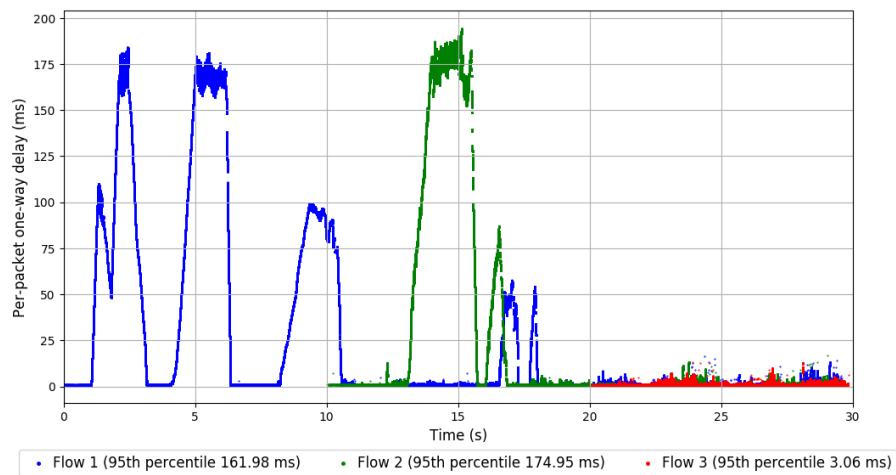
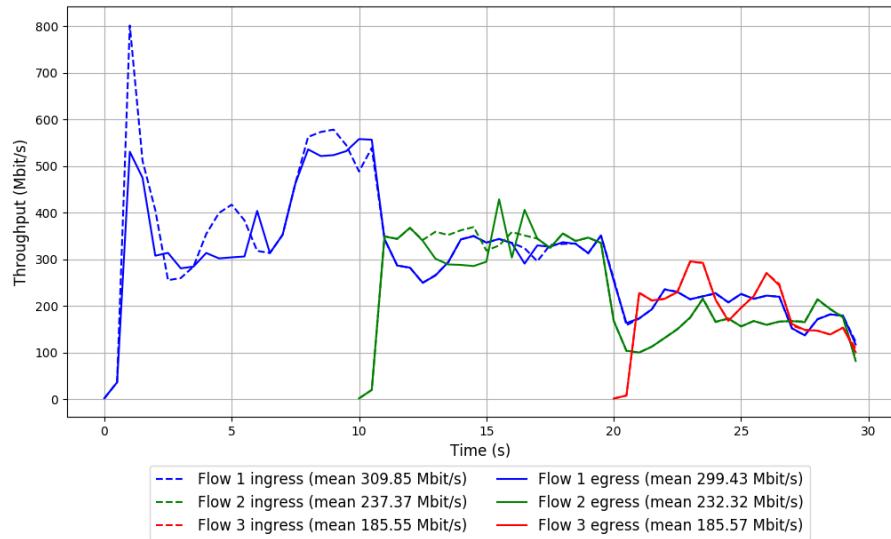


Run 3: Statistics of Vivace-loss

```
Start at: 2018-03-06 12:47:46
End at: 2018-03-06 12:48:16
Local clock offset: -4.852 ms
Remote clock offset: 5.204 ms

# Below is generated by plot.py at 2018-03-07 00:04:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 514.65 Mbit/s
95th percentile per-packet one-way delay: 164.830 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 299.43 Mbit/s
95th percentile per-packet one-way delay: 161.977 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 232.32 Mbit/s
95th percentile per-packet one-way delay: 174.949 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 185.57 Mbit/s
95th percentile per-packet one-way delay: 3.061 ms
Loss rate: 0.22%
```

Run 3: Report of Vivace-loss — Data Link

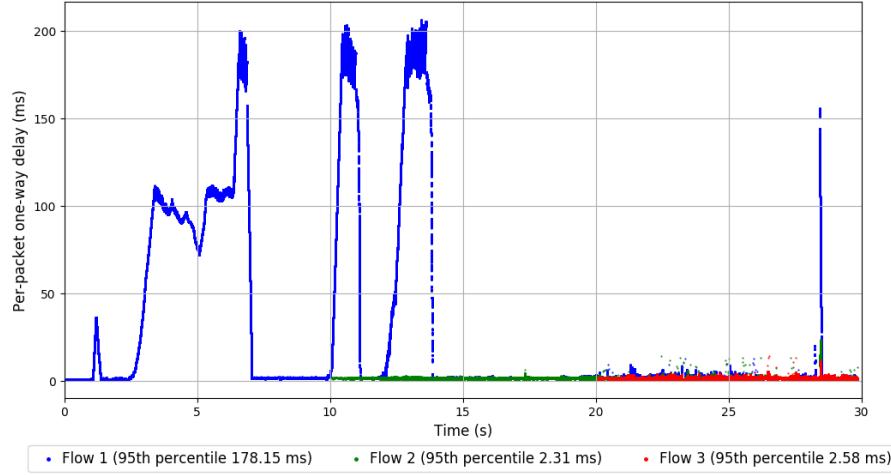
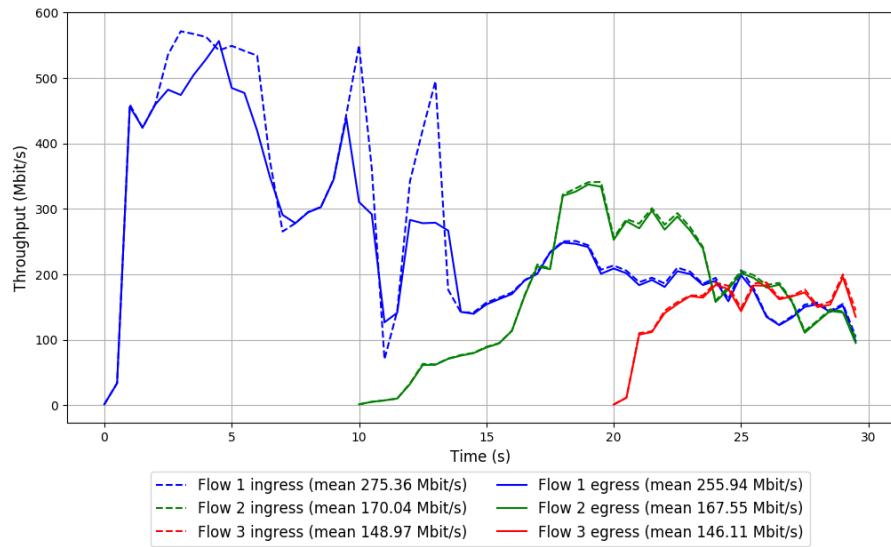


Run 4: Statistics of Vivace-loss

```
Start at: 2018-03-06 13:17:09
End at: 2018-03-06 13:17:39
Local clock offset: -4.743 ms
Remote clock offset: 2.5 ms

# Below is generated by plot.py at 2018-03-07 00:04:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.20 Mbit/s
95th percentile per-packet one-way delay: 149.946 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 255.94 Mbit/s
95th percentile per-packet one-way delay: 178.152 ms
Loss rate: 7.12%
-- Flow 2:
Average throughput: 167.55 Mbit/s
95th percentile per-packet one-way delay: 2.308 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 146.11 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 2.21%
```

Run 4: Report of Vivace-loss — Data Link

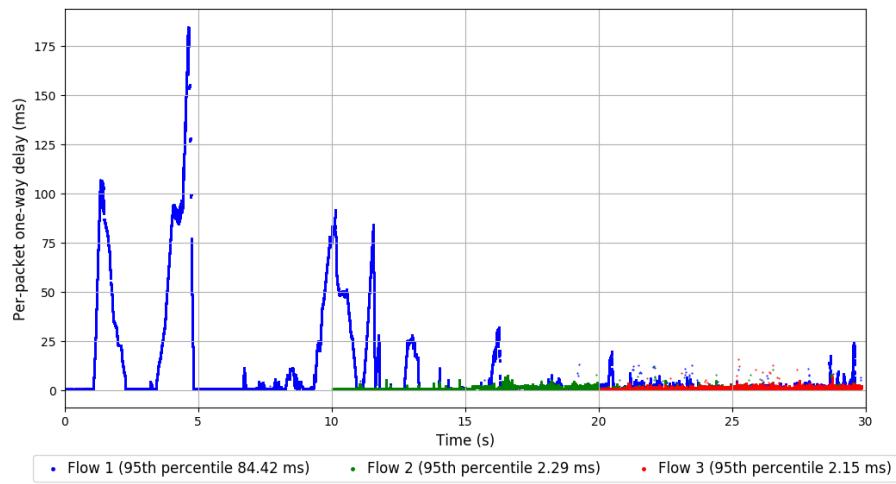
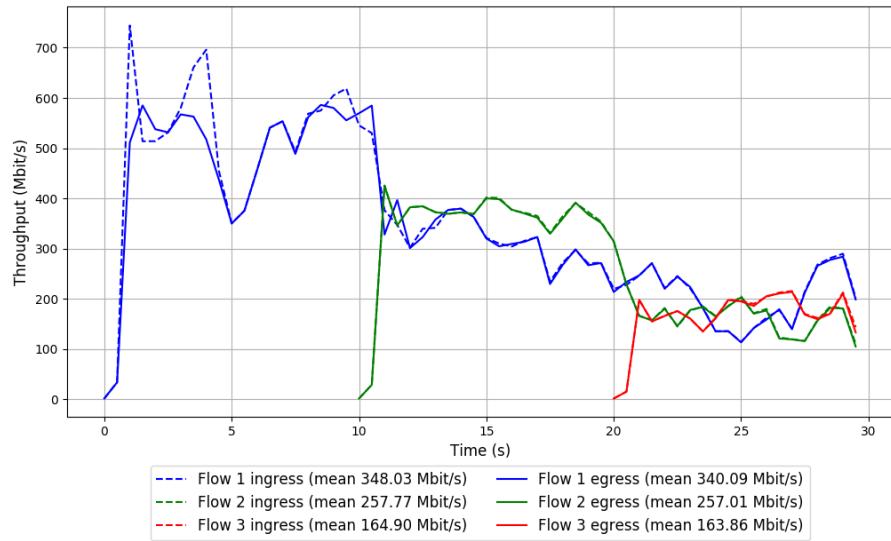


Run 5: Statistics of Vivace-loss

```
Start at: 2018-03-06 13:46:18
End at: 2018-03-06 13:46:48
Local clock offset: 0.023 ms
Remote clock offset: -1.151 ms

# Below is generated by plot.py at 2018-03-07 00:05:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 564.76 Mbit/s
95th percentile per-packet one-way delay: 68.966 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 340.09 Mbit/s
95th percentile per-packet one-way delay: 84.420 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 257.01 Mbit/s
95th percentile per-packet one-way delay: 2.295 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 163.86 Mbit/s
95th percentile per-packet one-way delay: 2.151 ms
Loss rate: 0.85%
```

Run 5: Report of Vivace-loss — Data Link

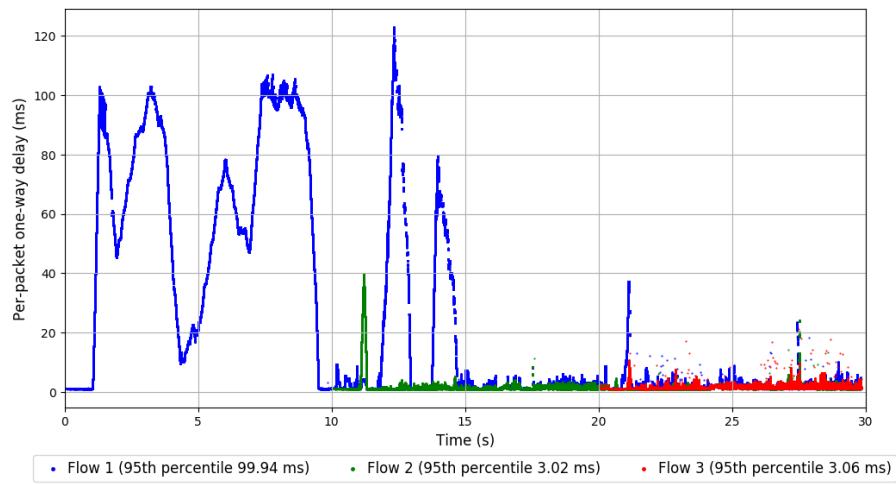
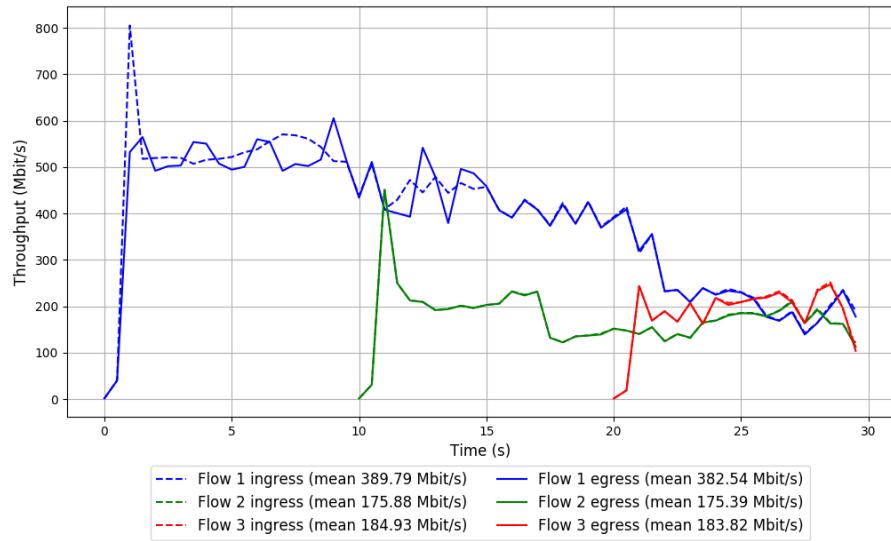


Run 6: Statistics of Vivace-loss

```
Start at: 2018-03-06 14:15:48
End at: 2018-03-06 14:16:18
Local clock offset: 3.801 ms
Remote clock offset: 0.465 ms

# Below is generated by plot.py at 2018-03-07 00:06:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 559.40 Mbit/s
95th percentile per-packet one-way delay: 98.173 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 382.54 Mbit/s
95th percentile per-packet one-way delay: 99.941 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 175.39 Mbit/s
95th percentile per-packet one-way delay: 3.017 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 183.82 Mbit/s
95th percentile per-packet one-way delay: 3.059 ms
Loss rate: 0.76%
```

Run 6: Report of Vivace-loss — Data Link

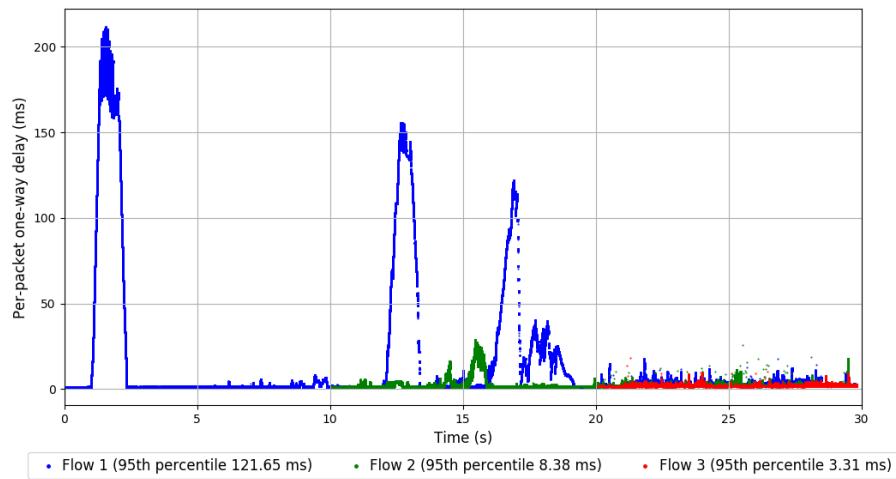
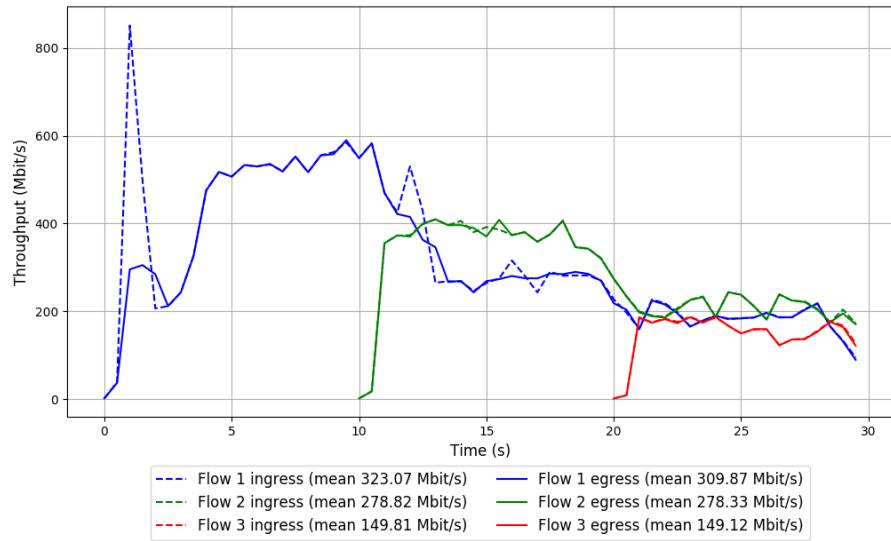


Run 7: Statistics of Vivace-loss

```
Start at: 2018-03-06 14:45:18
End at: 2018-03-06 14:45:48
Local clock offset: 4.939 ms
Remote clock offset: 2.026 ms

# Below is generated by plot.py at 2018-03-07 00:08:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 543.51 Mbit/s
95th percentile per-packet one-way delay: 65.342 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 309.87 Mbit/s
95th percentile per-packet one-way delay: 121.650 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 278.33 Mbit/s
95th percentile per-packet one-way delay: 8.376 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 149.12 Mbit/s
95th percentile per-packet one-way delay: 3.305 ms
Loss rate: 0.66%
```

Run 7: Report of Vivace-loss — Data Link

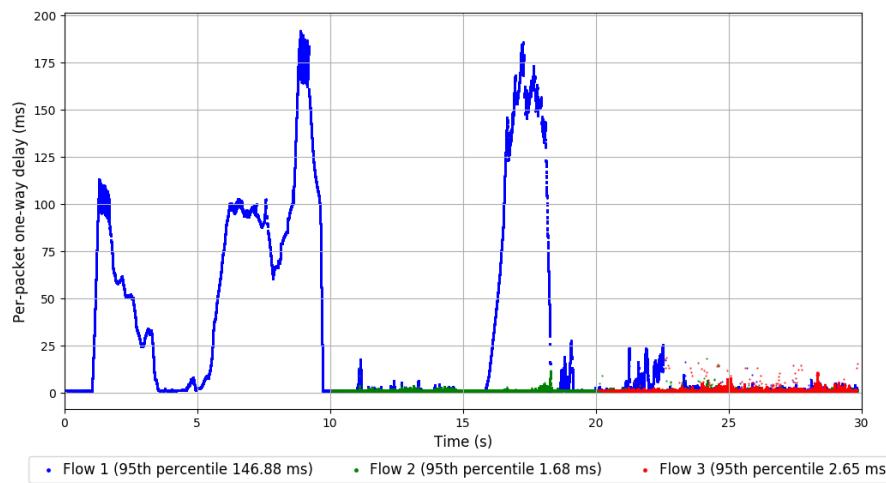
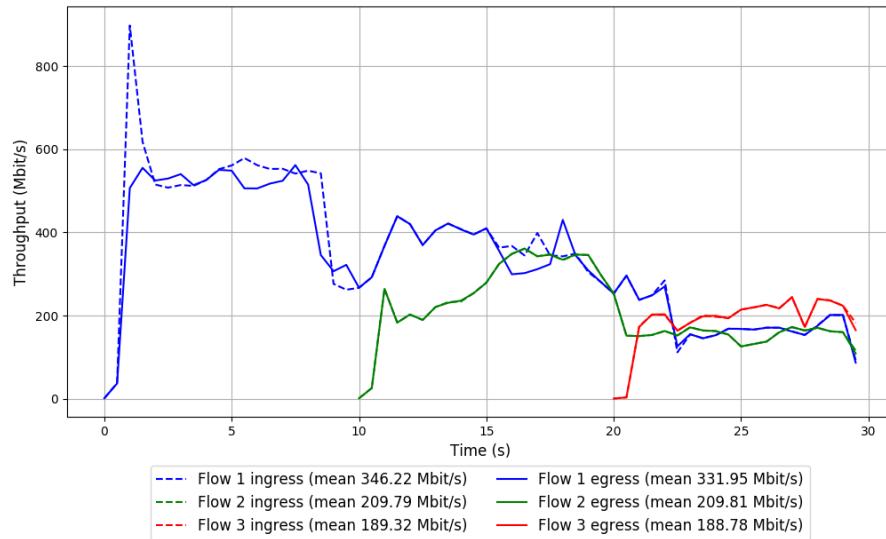


Run 8: Statistics of Vivace-loss

```
Start at: 2018-03-06 15:19:52
End at: 2018-03-06 15:20:22
Local clock offset: 0.787 ms
Remote clock offset: 2.243 ms

# Below is generated by plot.py at 2018-03-07 00:09:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 532.92 Mbit/s
95th percentile per-packet one-way delay: 108.600 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 331.95 Mbit/s
95th percentile per-packet one-way delay: 146.885 ms
Loss rate: 4.19%
-- Flow 2:
Average throughput: 209.81 Mbit/s
95th percentile per-packet one-way delay: 1.678 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 188.78 Mbit/s
95th percentile per-packet one-way delay: 2.650 ms
Loss rate: 0.50%
```

Run 8: Report of Vivace-loss — Data Link

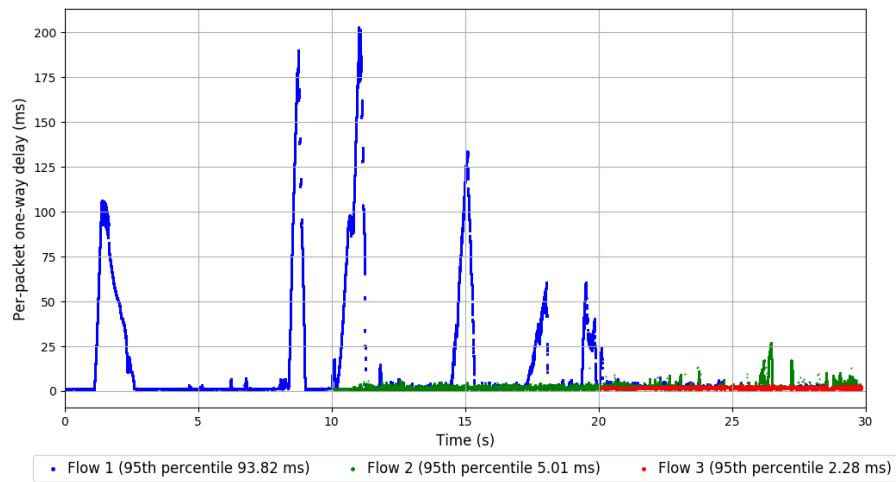
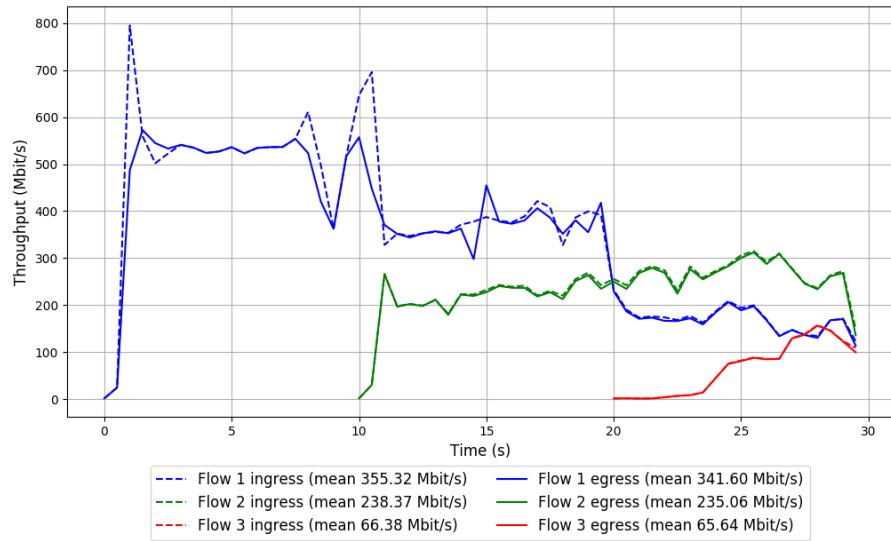


Run 9: Statistics of Vivace-loss

```
Start at: 2018-03-06 15:48:51
End at: 2018-03-06 15:49:21
Local clock offset: 0.587 ms
Remote clock offset: 2.319 ms

# Below is generated by plot.py at 2018-03-07 00:10:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 519.19 Mbit/s
95th percentile per-packet one-way delay: 77.075 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 341.60 Mbit/s
95th percentile per-packet one-way delay: 93.822 ms
Loss rate: 3.95%
-- Flow 2:
Average throughput: 235.06 Mbit/s
95th percentile per-packet one-way delay: 5.014 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 2.279 ms
Loss rate: 1.45%
```

Run 9: Report of Vivace-loss — Data Link

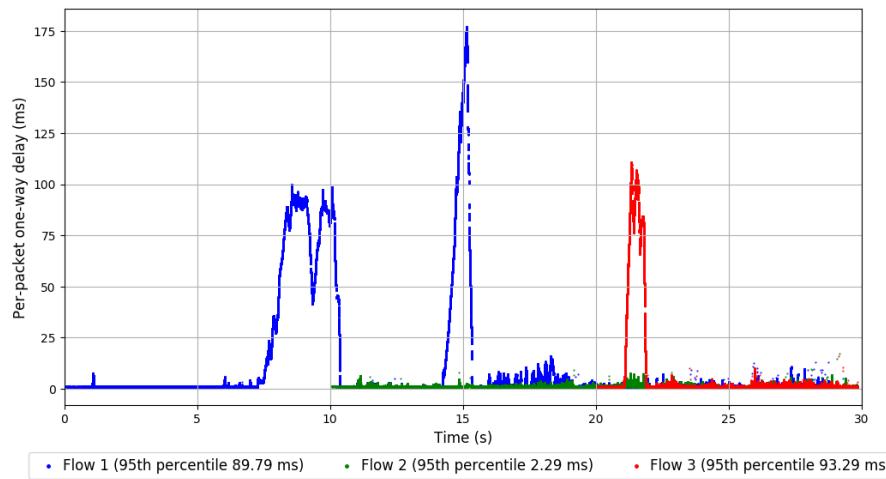
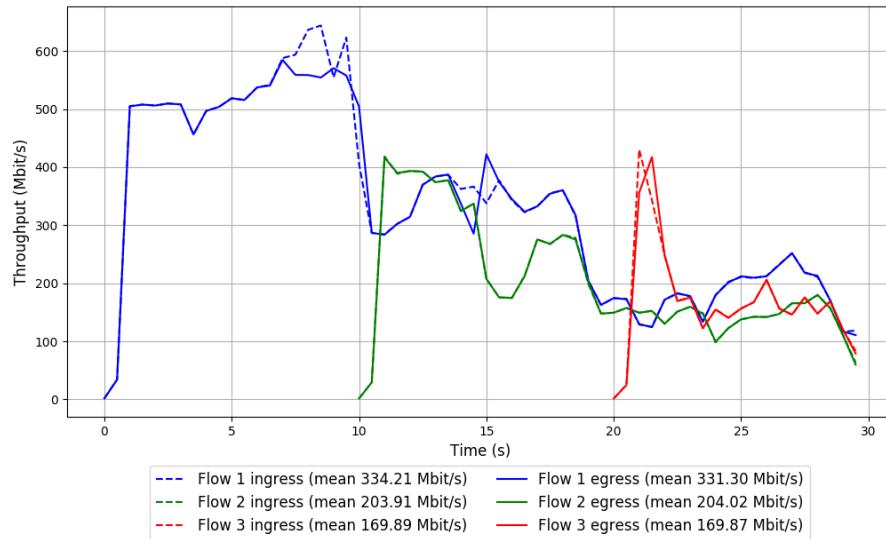


Run 10: Statistics of Vivace-loss

```
Start at: 2018-03-06 16:18:04
End at: 2018-03-06 16:18:34
Local clock offset: -1.693 ms
Remote clock offset: 1.73 ms

# Below is generated by plot.py at 2018-03-07 00:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 522.50 Mbit/s
95th percentile per-packet one-way delay: 87.215 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 331.30 Mbit/s
95th percentile per-packet one-way delay: 89.788 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 204.02 Mbit/s
95th percentile per-packet one-way delay: 2.287 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 169.87 Mbit/s
95th percentile per-packet one-way delay: 93.294 ms
Loss rate: 0.14%
```

Run 10: Report of Vivace-loss — Data Link

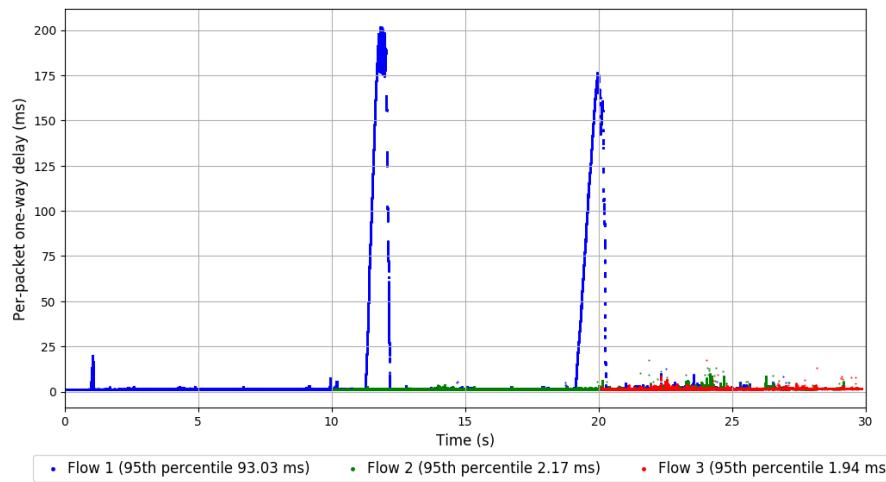
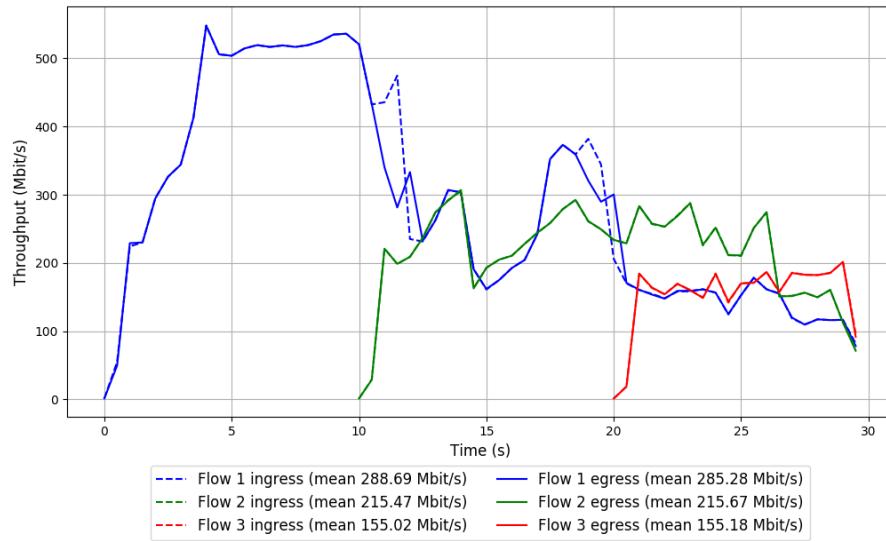


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-03-06 12:04:23
End at: 2018-03-06 12:04:53
Local clock offset: -1.735 ms
Remote clock offset: 5.197 ms

# Below is generated by plot.py at 2018-03-07 00:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 479.49 Mbit/s
95th percentile per-packet one-way delay: 5.546 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 285.28 Mbit/s
95th percentile per-packet one-way delay: 93.029 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 215.67 Mbit/s
95th percentile per-packet one-way delay: 2.165 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 155.18 Mbit/s
95th percentile per-packet one-way delay: 1.940 ms
Loss rate: 0.16%
```

Run 1: Report of Vivace-LTE — Data Link

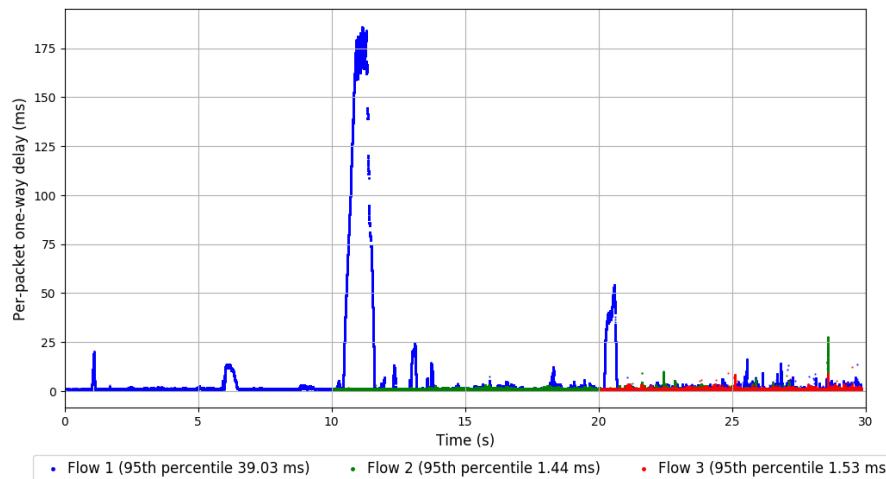
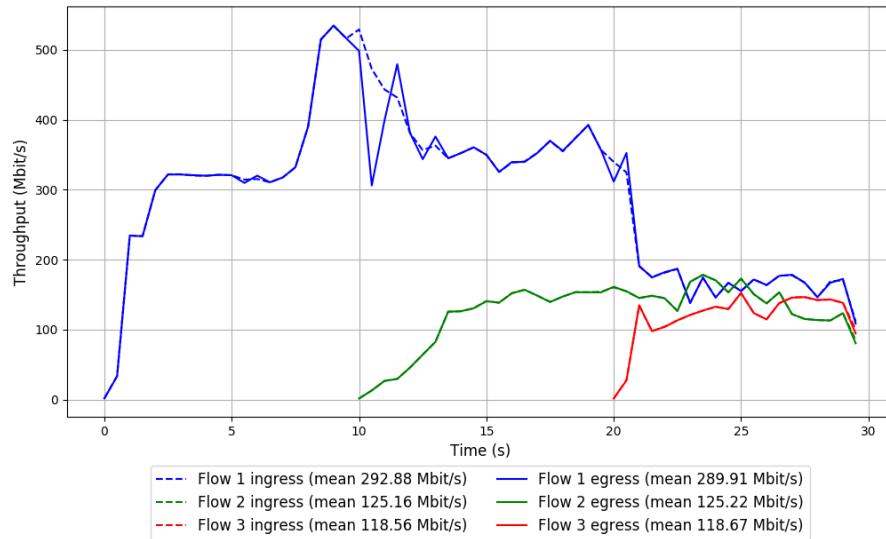


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-03-06 12:34:01
End at: 2018-03-06 12:34:31
Local clock offset: -4.953 ms
Remote clock offset: 6.747 ms

# Below is generated by plot.py at 2018-03-07 00:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.97 Mbit/s
95th percentile per-packet one-way delay: 16.068 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 289.91 Mbit/s
95th percentile per-packet one-way delay: 39.027 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 125.22 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 118.67 Mbit/s
95th percentile per-packet one-way delay: 1.535 ms
Loss rate: 0.26%
```

Run 2: Report of Vivace-LTE — Data Link

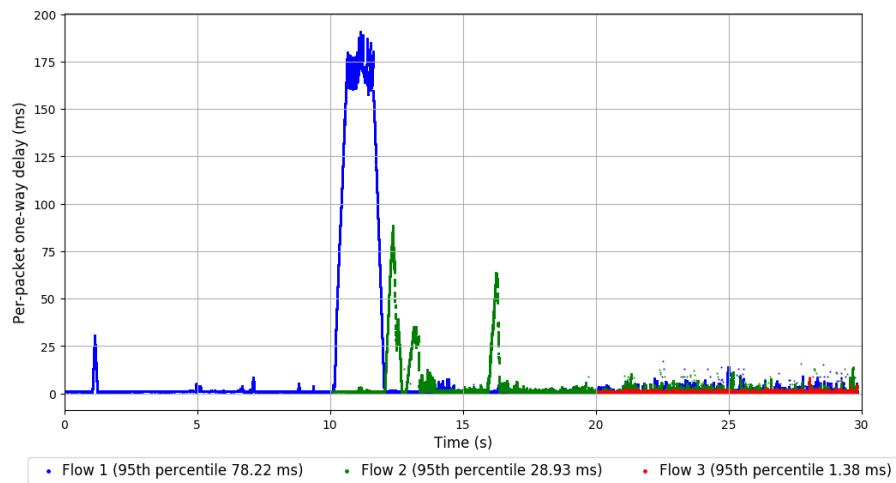
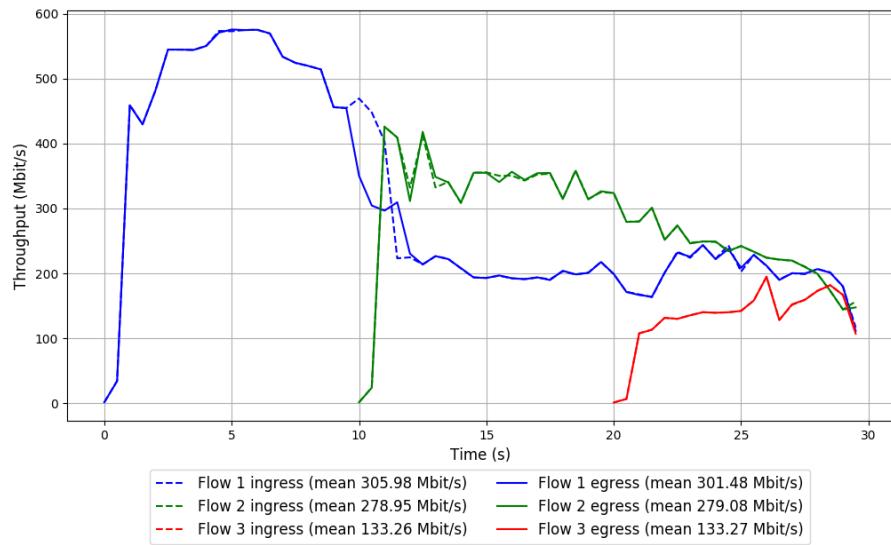


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-03-06 13:03:37
End at: 2018-03-06 13:04:07
Local clock offset: -4.917 ms
Remote clock offset: 4.541 ms

# Below is generated by plot.py at 2018-03-07 00:13:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 530.62 Mbit/s
95th percentile per-packet one-way delay: 29.899 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 301.48 Mbit/s
95th percentile per-packet one-way delay: 78.221 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 279.08 Mbit/s
95th percentile per-packet one-way delay: 28.929 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 133.27 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.24%
```

Run 3: Report of Vivace-LTE — Data Link

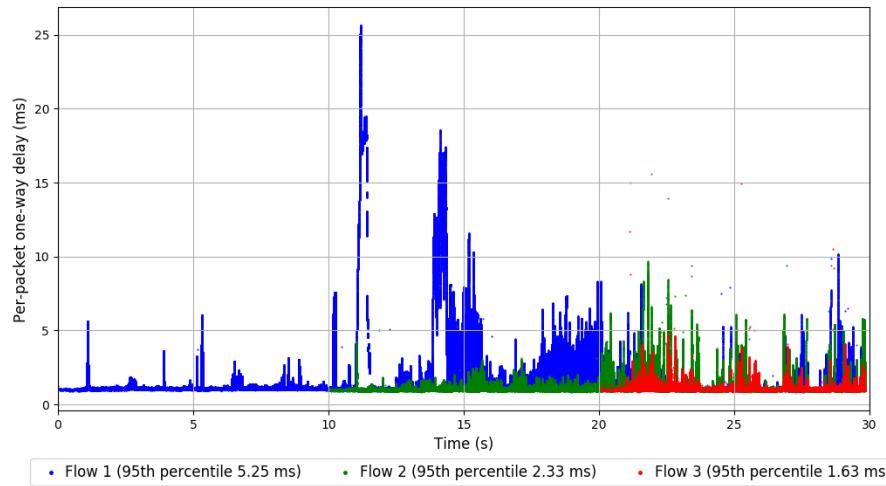
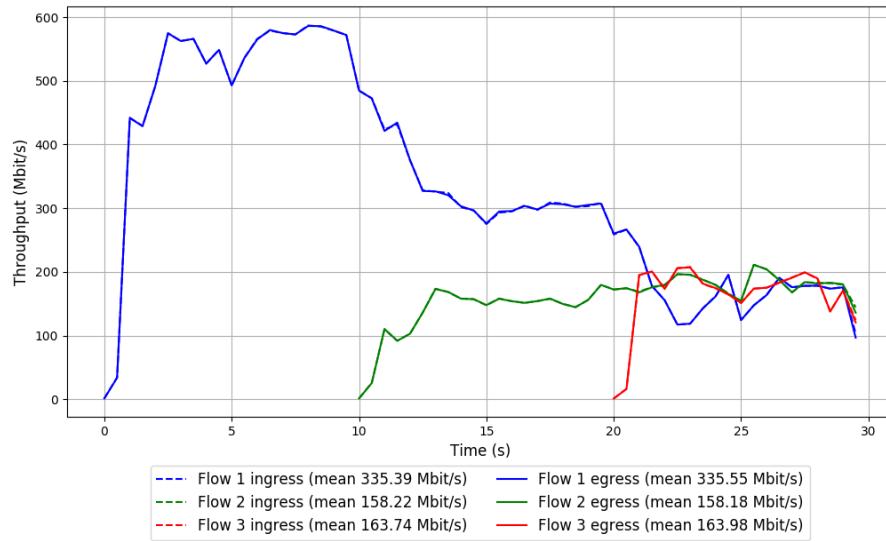


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-03-06 13:32:41
End at: 2018-03-06 13:33:11
Local clock offset: -4.696 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-03-07 00:13:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 494.47 Mbit/s
95th percentile per-packet one-way delay: 4.012 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 335.55 Mbit/s
95th percentile per-packet one-way delay: 5.245 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 158.18 Mbit/s
95th percentile per-packet one-way delay: 2.335 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 163.98 Mbit/s
95th percentile per-packet one-way delay: 1.633 ms
Loss rate: 0.13%
```

Run 4: Report of Vivace-LTE — Data Link

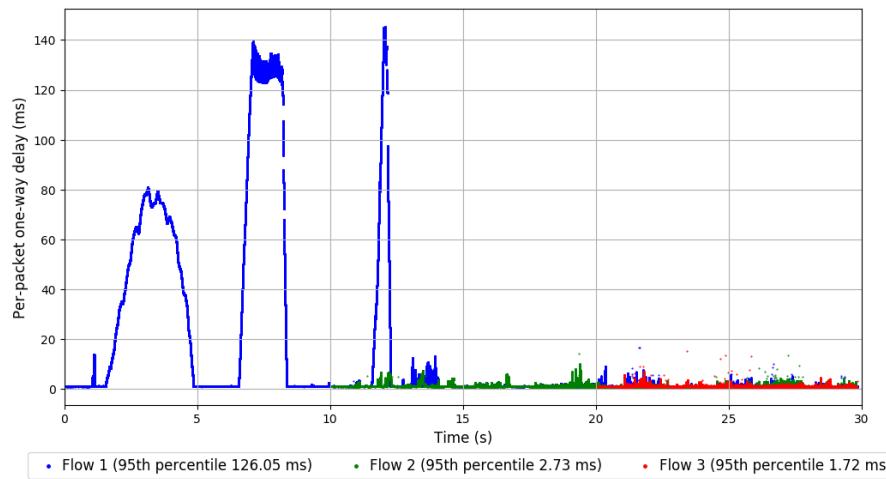
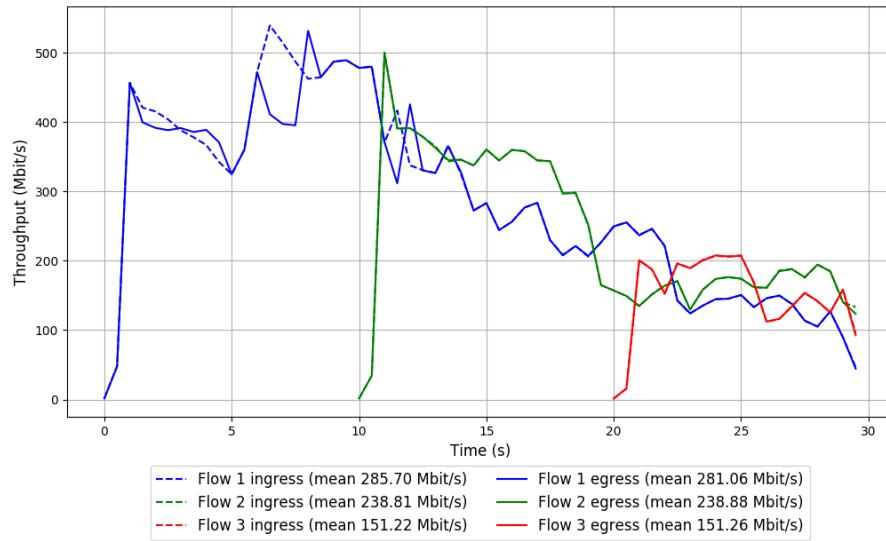


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-03-06 14:02:26
End at: 2018-03-06 14:02:56
Local clock offset: 3.294 ms
Remote clock offset: 0.459 ms

# Below is generated by plot.py at 2018-03-07 00:15:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.29 Mbit/s
95th percentile per-packet one-way delay: 79.123 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 281.06 Mbit/s
95th percentile per-packet one-way delay: 126.051 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 238.88 Mbit/s
95th percentile per-packet one-way delay: 2.733 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 151.26 Mbit/s
95th percentile per-packet one-way delay: 1.718 ms
Loss rate: 0.12%
```

Run 5: Report of Vivace-LTE — Data Link

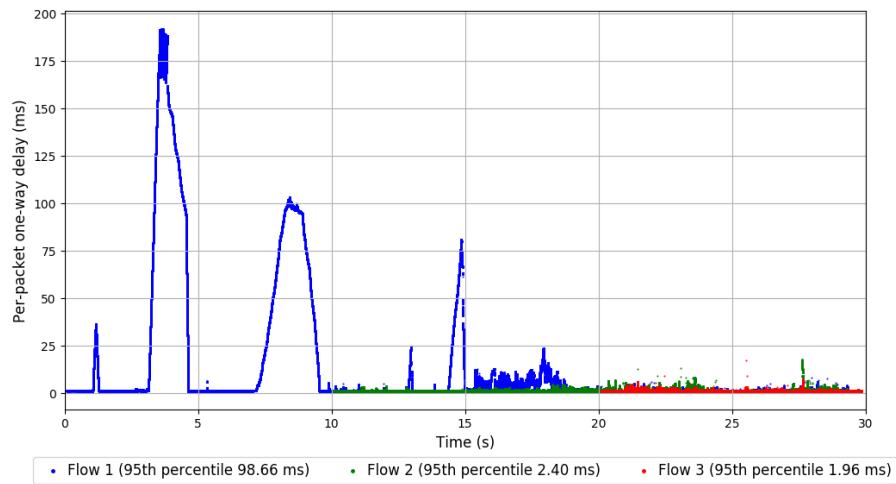
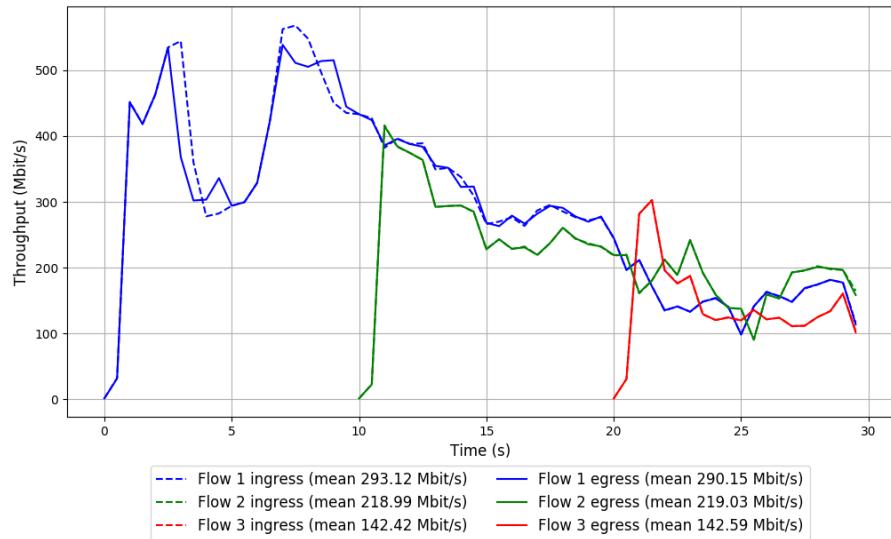


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-03-06 14:31:50
End at: 2018-03-06 14:32:20
Local clock offset: 4.474 ms
Remote clock offset: 1.526 ms

# Below is generated by plot.py at 2018-03-07 00:16:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 482.55 Mbit/s
95th percentile per-packet one-way delay: 91.749 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 290.15 Mbit/s
95th percentile per-packet one-way delay: 98.656 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 219.03 Mbit/s
95th percentile per-packet one-way delay: 2.399 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 142.59 Mbit/s
95th percentile per-packet one-way delay: 1.955 ms
Loss rate: 0.09%
```

Run 6: Report of Vivace-LTE — Data Link

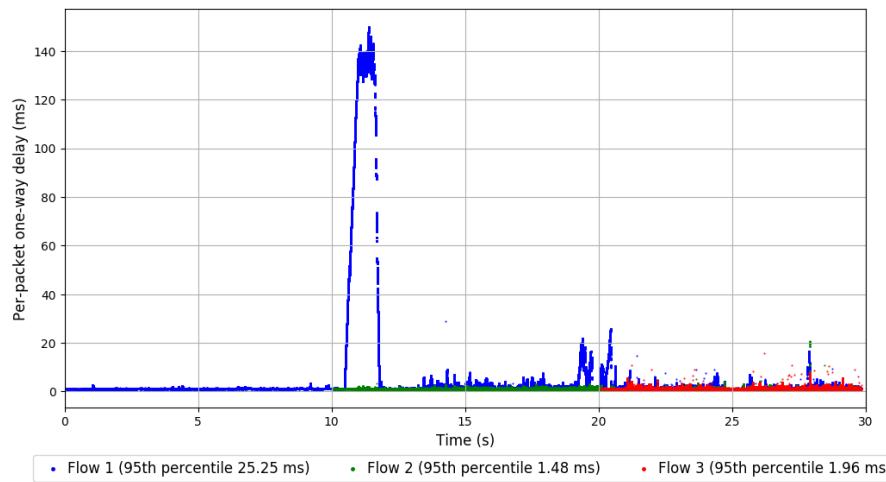
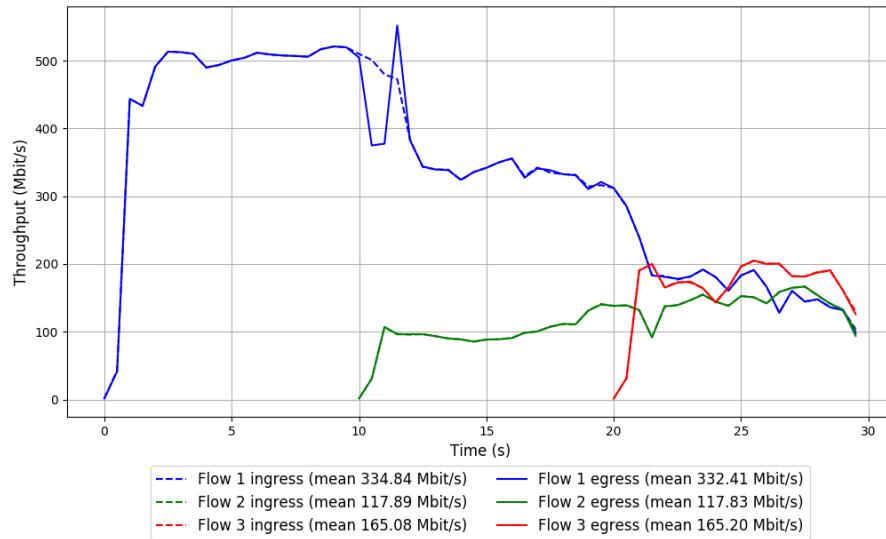


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-03-06 15:06:20
End at: 2018-03-06 15:06:50
Local clock offset: 1.017 ms
Remote clock offset: 2.2 ms

# Below is generated by plot.py at 2018-03-07 00:16:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 464.91 Mbit/s
95th percentile per-packet one-way delay: 9.562 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 332.41 Mbit/s
95th percentile per-packet one-way delay: 25.247 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 117.83 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 165.20 Mbit/s
95th percentile per-packet one-way delay: 1.964 ms
Loss rate: 0.14%
```

Run 7: Report of Vivace-LTE — Data Link

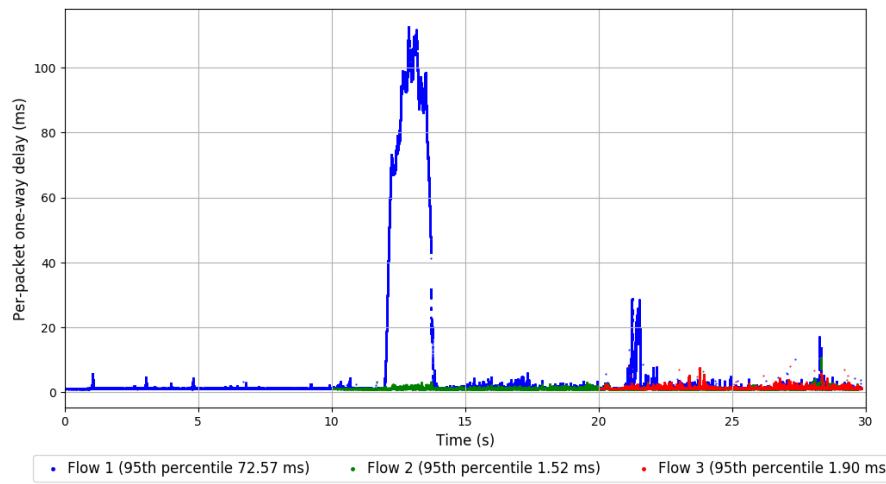
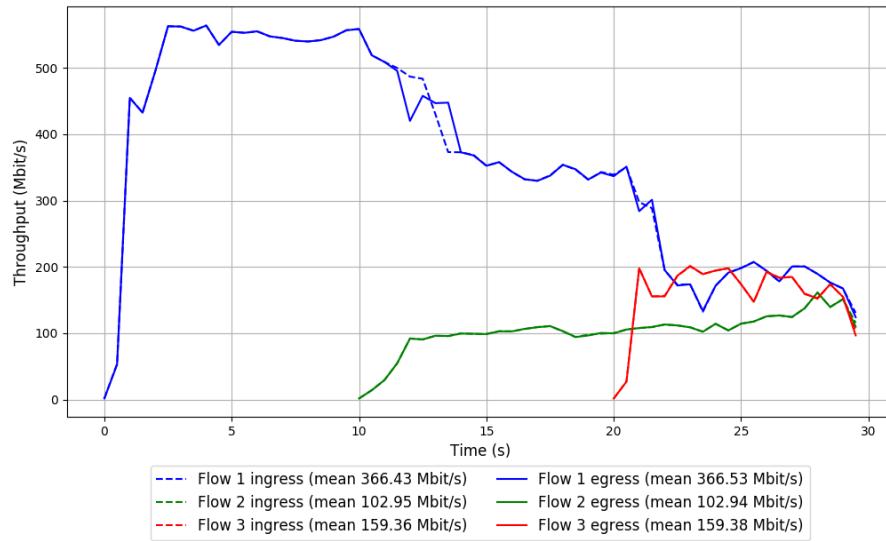


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-03-06 15:35:30
End at: 2018-03-06 15:36:00
Local clock offset: 0.696 ms
Remote clock offset: 2.334 ms

# Below is generated by plot.py at 2018-03-07 00:16:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 487.28 Mbit/s
95th percentile per-packet one-way delay: 38.756 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 366.53 Mbit/s
95th percentile per-packet one-way delay: 72.573 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 102.94 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 159.38 Mbit/s
95th percentile per-packet one-way delay: 1.904 ms
Loss rate: 0.21%
```

Run 8: Report of Vivace-LTE — Data Link

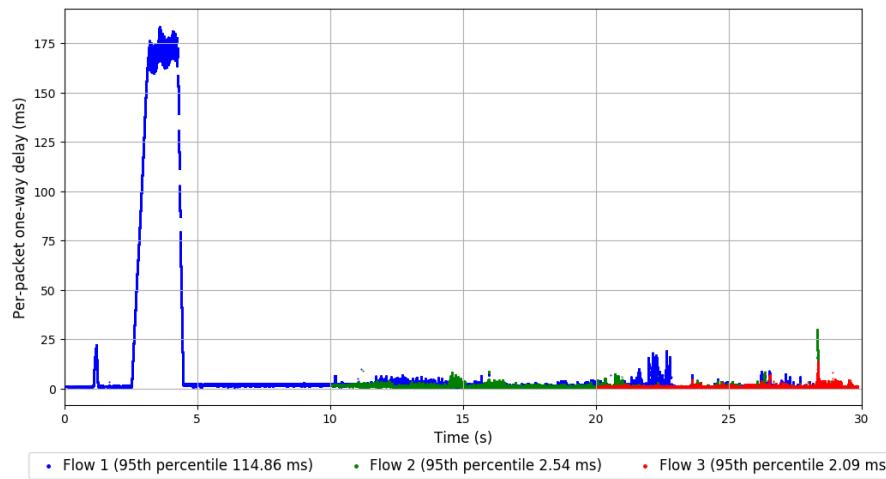
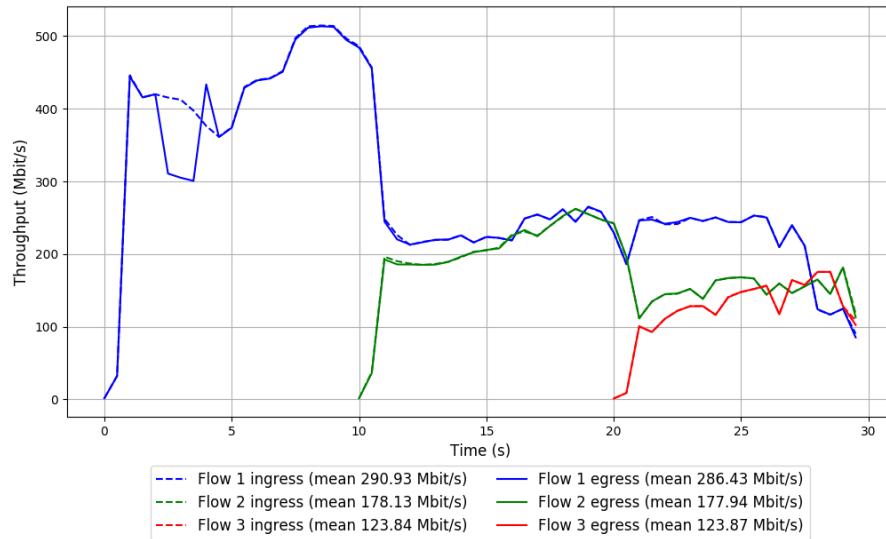


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-03-06 16:04:53
End at: 2018-03-06 16:05:23
Local clock offset: -0.953 ms
Remote clock offset: 2.26 ms

# Below is generated by plot.py at 2018-03-07 00:16:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.30 Mbit/s
95th percentile per-packet one-way delay: 16.005 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 286.43 Mbit/s
95th percentile per-packet one-way delay: 114.856 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 177.94 Mbit/s
95th percentile per-packet one-way delay: 2.535 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 123.87 Mbit/s
95th percentile per-packet one-way delay: 2.088 ms
Loss rate: 0.25%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-03-06 16:33:46
End at: 2018-03-06 16:34:16
Local clock offset: -4.374 ms
Remote clock offset: 1.516 ms

# Below is generated by plot.py at 2018-03-07 00:16:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 460.33 Mbit/s
95th percentile per-packet one-way delay: 122.165 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 253.28 Mbit/s
95th percentile per-packet one-way delay: 24.547 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 232.12 Mbit/s
95th percentile per-packet one-way delay: 138.432 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 160.95 Mbit/s
95th percentile per-packet one-way delay: 2.007 ms
Loss rate: 0.22%
```

Run 10: Report of Vivace-LTE — Data Link

