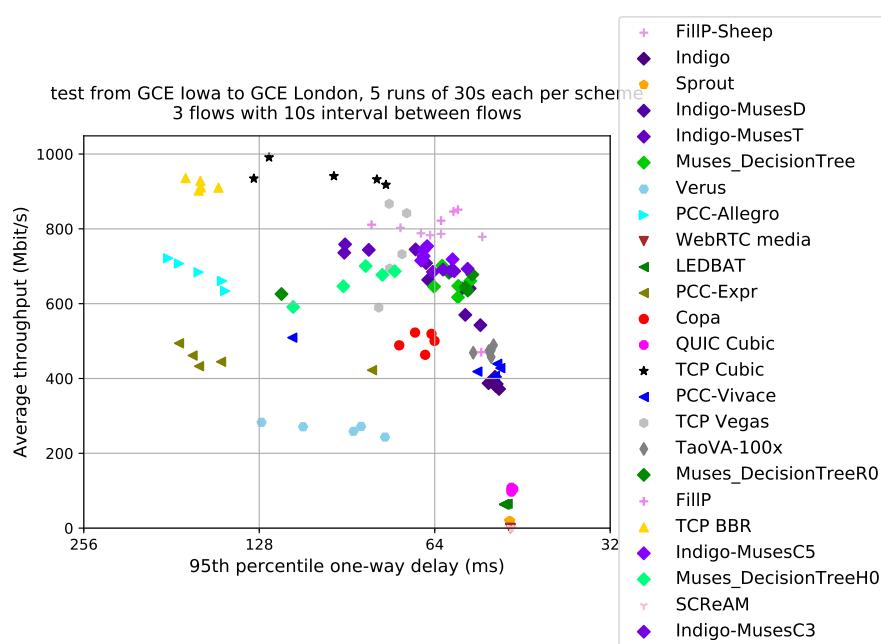
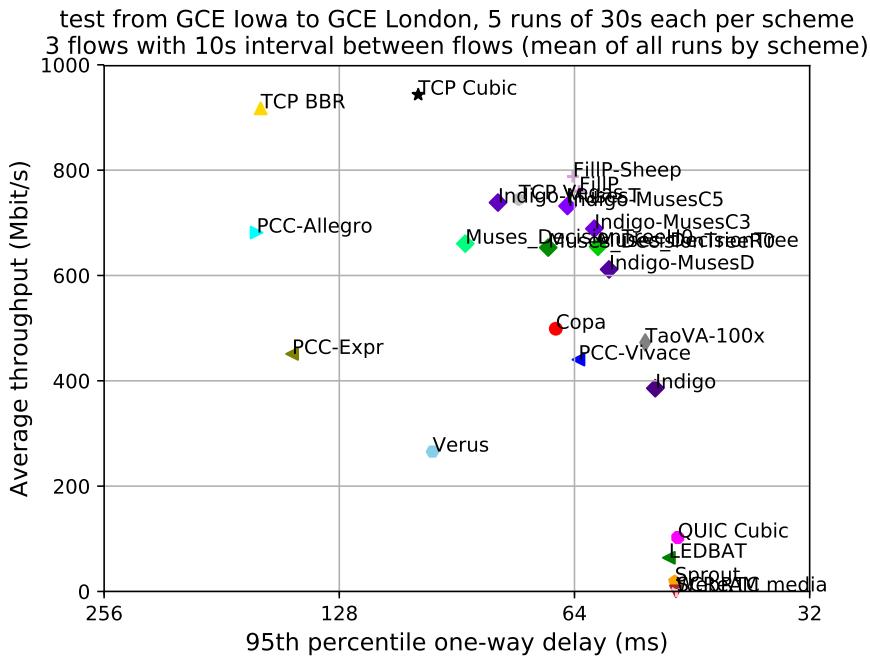


## Pantheon Report

Generated at 2019-07-13 08:22:04 (UTC).  
Data path: GCE Iowa on `ens4` (*remote*) → GCE London on `ens4` (*local*).  
Repeated the test of 24 congestion control schemes 5 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.  
NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

```
System info:  
Linux 4.15.0-1034-gcp  
net.core.default_qdisc = fq  
net.core.rmem_default = 16777216  
net.core.rmem_max = 536870912  
net.core.wmem_default = 16777216  
net.core.wmem_max = 536870912  
net.ipv4.tcp_rmem = 4096 16777216 536870912  
net.ipv4.tcp_wmem = 4096 16777216 536870912  
  
Git summary:  
branch: muses @ 2076e1149a241f3edb4365d686df32342bf9561f  
third_party/fillp @ d6da1459332fceef56963885d7eba17e6a32d4519  
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9  
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4  
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966  
third_party/muses_dtree @ 8bb93ffff2b107204a92d8b72449fc0c55e15f00  
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd  
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26  
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 @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



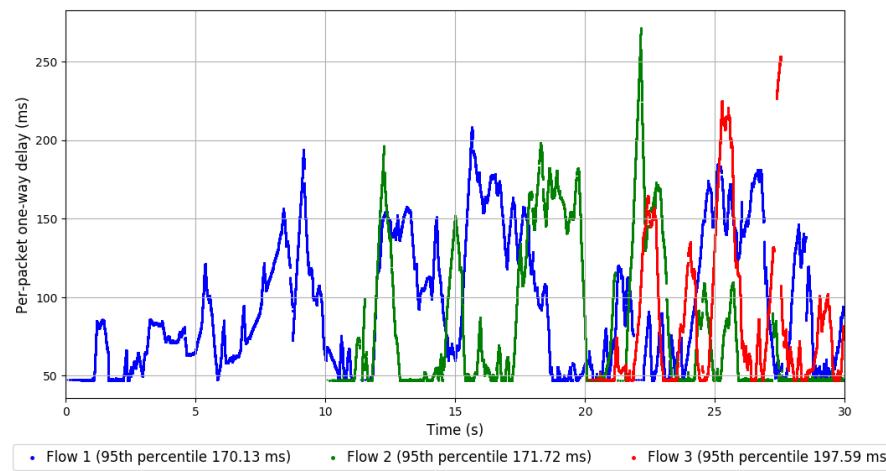
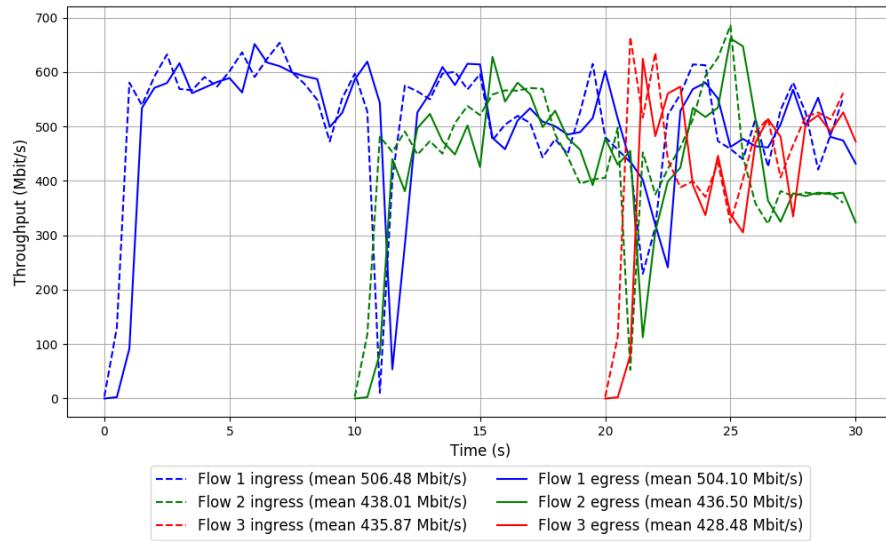
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	484.51	440.15	424.50	143.12	162.82	166.25	0.65	1.07	1.99
Copa	5	268.18	239.86	215.61	66.98	71.67	79.33	0.29	0.49	1.07
TCP Cubic	5	494.68	465.16	422.00	92.31	92.97	103.46	0.32	0.48	1.21
FillP	5	449.39	344.10	249.69	69.93	52.44	49.38	0.28	0.39	0.92
FillP-Sheep	5	501.28	314.42	236.63	68.75	51.79	50.01	0.24	0.41	0.99
Indigo	5	204.46	190.59	167.11	50.91	50.16	49.26	0.32	0.50	1.11
Indigo-MusesC3	5	410.95	347.32	228.61	62.91	59.12	50.74	0.24	0.41	1.91
Indigo-MusesC5	5	463.51	384.70	93.21	67.38	60.74	47.77	0.29	0.46	1.53
Indigo-MusesD	5	391.07	267.65	205.25	59.48	54.49	49.33	0.25	0.22	1.64
Indigo-MusesT	5	452.09	373.86	199.65	86.34	58.56	49.53	0.26	0.51	1.64
LEDBAT	5	41.19	27.52	13.53	48.61	48.20	48.02	0.63	0.95	1.93
Muses_DecisionTree	5	395.64	294.44	205.17	61.69	65.60	61.09	0.37	0.49	1.04
Muses_DecisionTreeH0	5	359.14	340.15	243.07	96.71	75.36	67.64	0.34	0.35	1.66
Muses_DecisionTreeR0	5	381.63	314.15	203.96	61.19	72.92	50.14	0.43	0.41	1.06
PCC-Allegro	5	380.71	326.84	256.57	156.29	143.04	110.32	2.69	1.42	1.28
PCC-Expr	5	262.65	253.47	61.50	138.82	145.40	47.78	1.84	1.22	1.78
QUIC Cubic	5	57.98	54.22	24.99	47.14	47.20	47.17	0.47	0.57	0.66
SCReAM	5	0.22	0.22	0.22	47.22	47.38	47.15	0.28	0.61	0.95
Sprout	5	9.68	9.56	9.16	47.39	47.66	47.51	0.29	0.49	0.88
TaoVA-100x	5	237.58	239.80	229.49	52.02	52.08	51.47	0.30	0.54	1.12
TCP Vegas	5	412.42	305.86	390.76	75.87	55.36	66.58	0.26	0.47	1.05
Verus	5	152.93	124.20	91.87	97.72	89.31	66.83	0.41	0.46	0.38
PCC-Vivace	5	231.74	245.02	140.00	65.07	51.19	51.25	0.40	0.49	1.36
WebRTC media	5	0.05	0.05	0.05	47.22	46.93	47.48	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-13 02:21:35
End at: 2019-07-13 02:22:05
Local clock offset: 0.008 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2019-07-13 05:46:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 935.84 Mbit/s
95th percentile per-packet one-way delay: 171.222 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 504.10 Mbit/s
95th percentile per-packet one-way delay: 170.132 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 436.50 Mbit/s
95th percentile per-packet one-way delay: 171.718 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 428.48 Mbit/s
95th percentile per-packet one-way delay: 197.592 ms
Loss rate: 2.63%
```

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

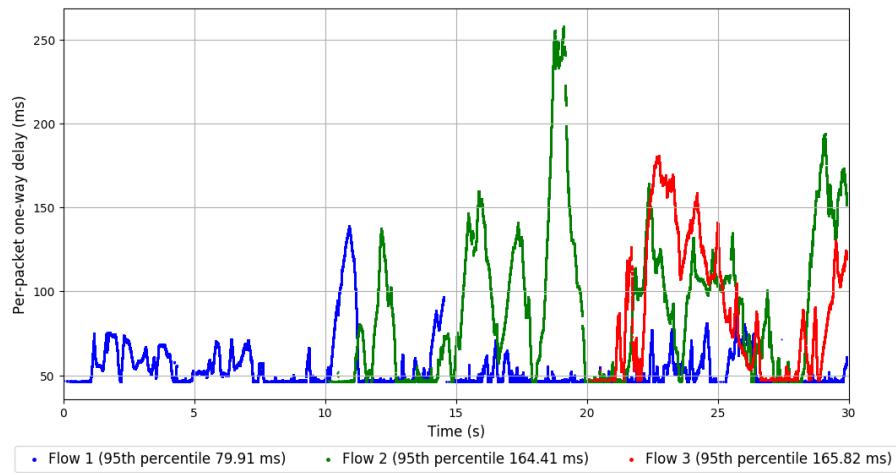
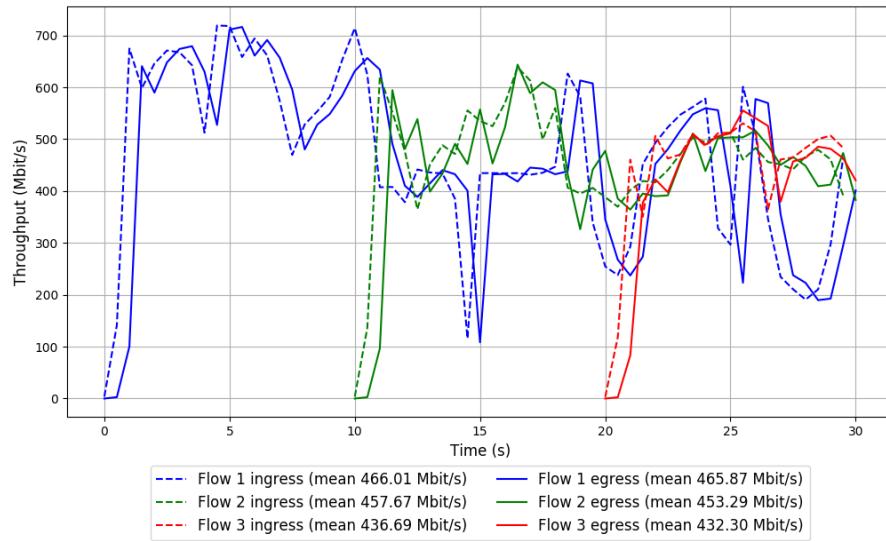


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-13 03:01:49
End at: 2019-07-13 03:02:19
Local clock offset: 0.004 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2019-07-13 05:46:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 910.10 Mbit/s
95th percentile per-packet one-way delay: 150.364 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 465.87 Mbit/s
95th percentile per-packet one-way delay: 79.913 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 453.29 Mbit/s
95th percentile per-packet one-way delay: 164.414 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 432.30 Mbit/s
95th percentile per-packet one-way delay: 165.822 ms
Loss rate: 1.96%
```

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

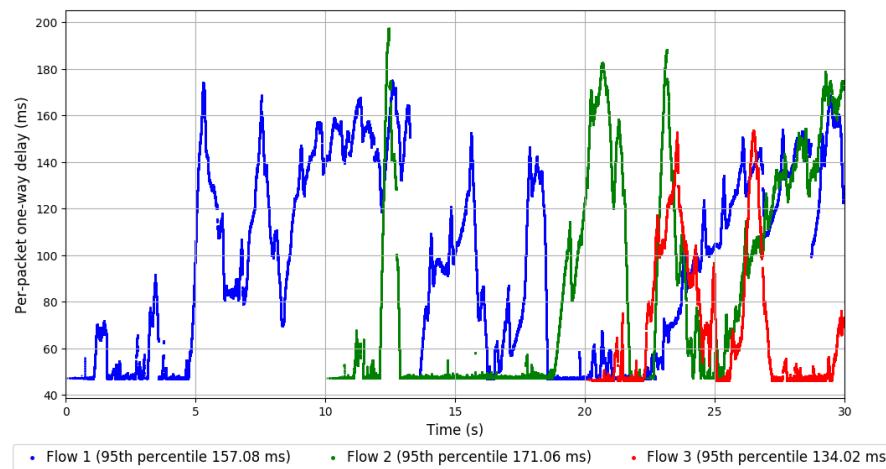
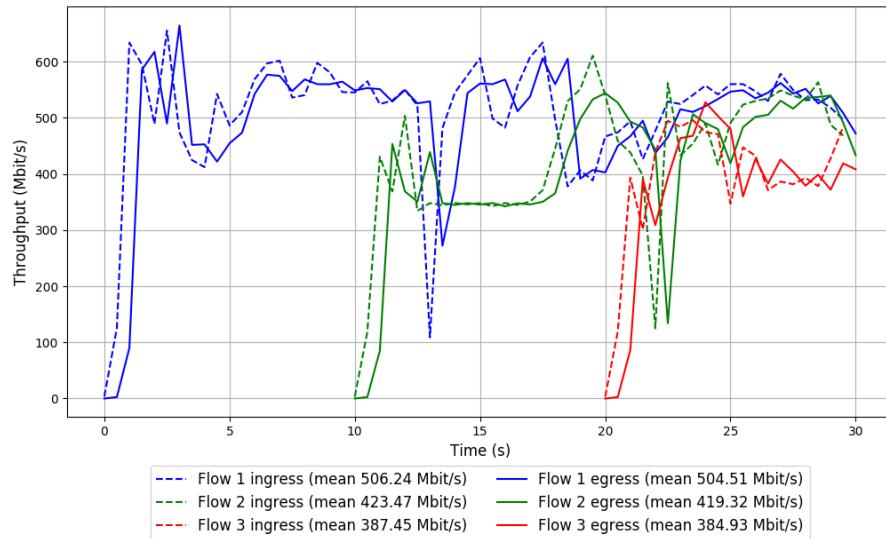


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-13 03:41:57
End at: 2019-07-13 03:42:27
Local clock offset: -0.066 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-07-13 05:46:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 910.57 Mbit/s
95th percentile per-packet one-way delay: 161.205 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 504.51 Mbit/s
95th percentile per-packet one-way delay: 157.076 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 419.32 Mbit/s
95th percentile per-packet one-way delay: 171.055 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 384.93 Mbit/s
95th percentile per-packet one-way delay: 134.016 ms
Loss rate: 1.59%
```

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

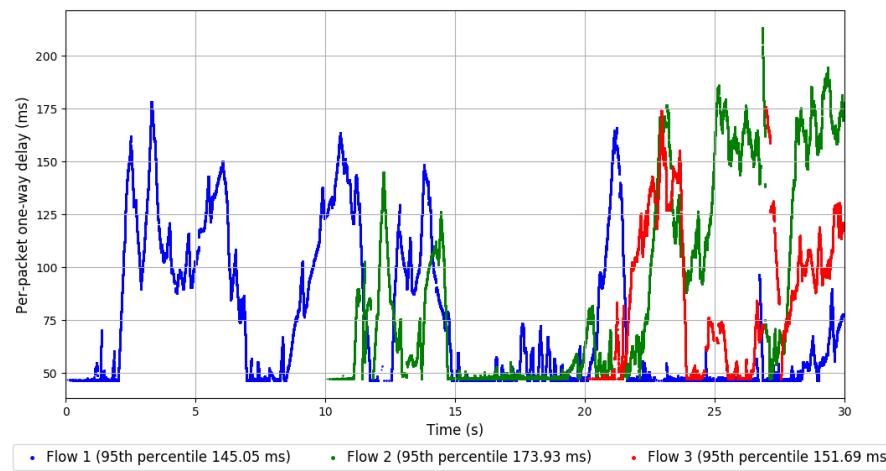
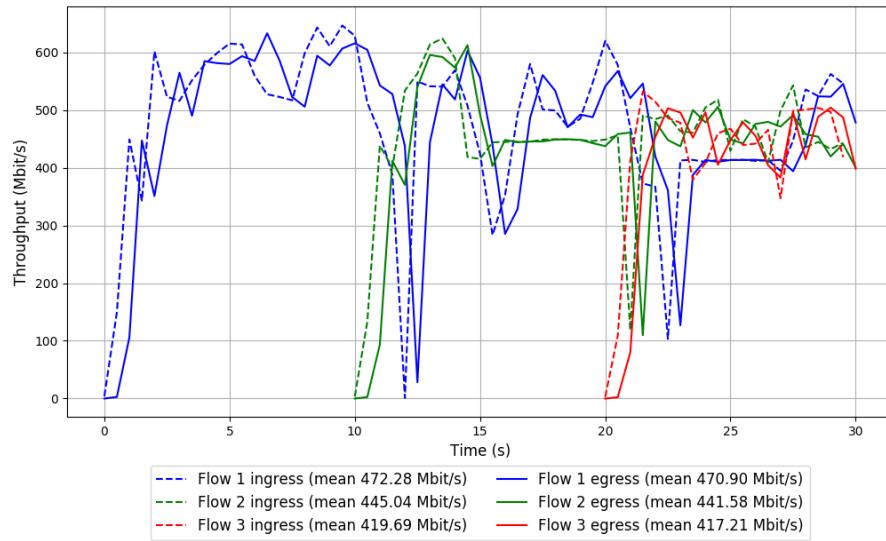


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-13 04:22:11
End at: 2019-07-13 04:22:41
Local clock offset: 0.007 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2019-07-13 05:46:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 902.27 Mbit/s
95th percentile per-packet one-way delay: 162.591 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 470.90 Mbit/s
95th percentile per-packet one-way delay: 145.050 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 441.58 Mbit/s
95th percentile per-packet one-way delay: 173.933 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 417.21 Mbit/s
95th percentile per-packet one-way delay: 151.689 ms
Loss rate: 1.54%
```

Run 4: Report of TCP BBR — Data Link

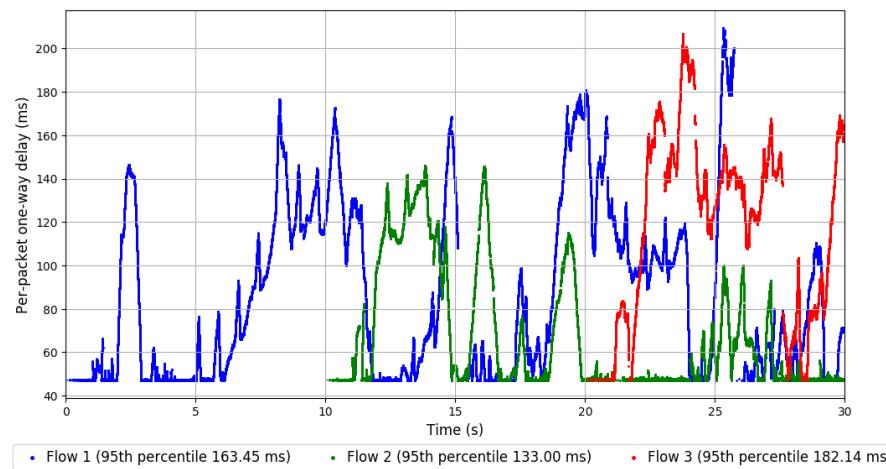
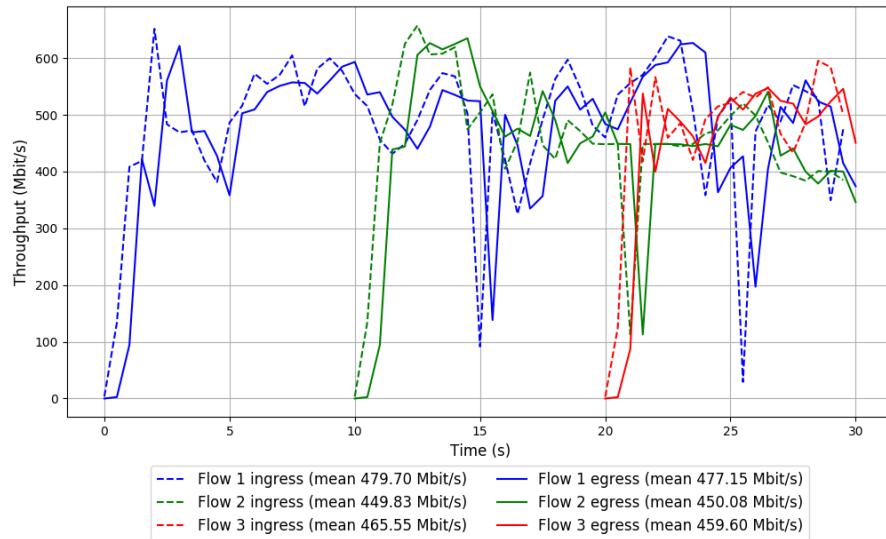


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-13 05:02:24
End at: 2019-07-13 05:02:54
Local clock offset: -0.064 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2019-07-13 05:46:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 928.26 Mbit/s
95th percentile per-packet one-way delay: 161.499 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 477.15 Mbit/s
95th percentile per-packet one-way delay: 163.451 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 450.08 Mbit/s
95th percentile per-packet one-way delay: 133.005 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 459.60 Mbit/s
95th percentile per-packet one-way delay: 182.141 ms
Loss rate: 2.23%
```

Run 5: Report of TCP BBR — Data Link

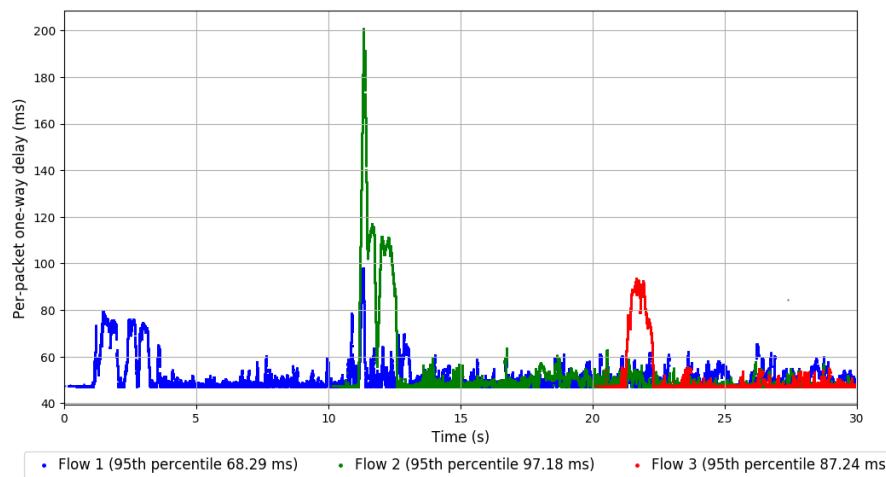
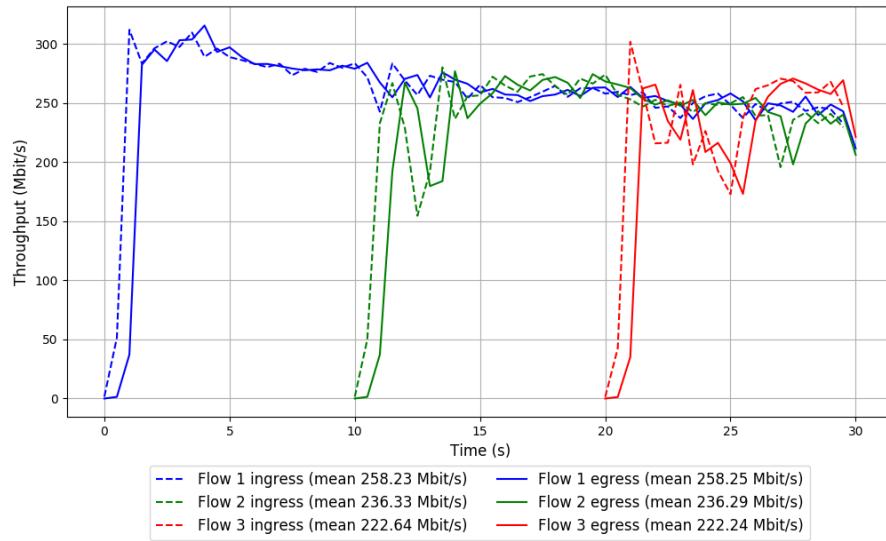


Run 1: Statistics of Copa

```
Start at: 2019-07-13 01:59:01
End at: 2019-07-13 01:59:31
Local clock offset: 0.038 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-07-13 05:46:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.68 Mbit/s
95th percentile per-packet one-way delay: 73.628 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 258.25 Mbit/s
95th percentile per-packet one-way delay: 68.292 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 236.29 Mbit/s
95th percentile per-packet one-way delay: 97.180 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 222.24 Mbit/s
95th percentile per-packet one-way delay: 87.240 ms
Loss rate: 1.13%
```

Run 1: Report of Copa — Data Link

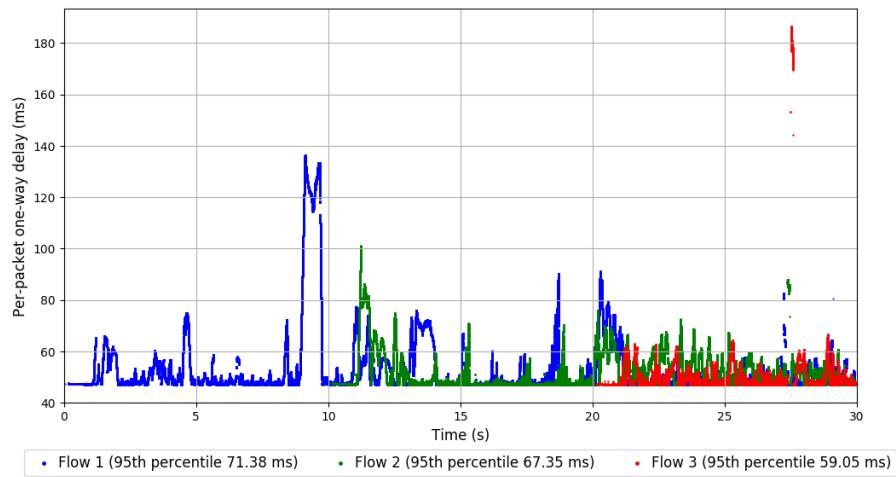
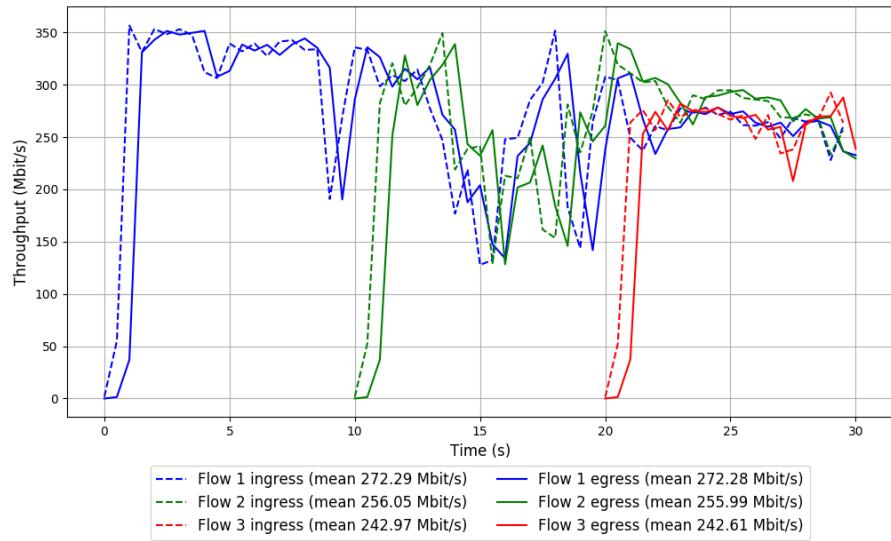


Run 2: Statistics of Copa

```
Start at: 2019-07-13 02:39:08
End at: 2019-07-13 02:39:38
Local clock offset: 0.034 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2019-07-13 05:47:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 522.73 Mbit/s
95th percentile per-packet one-way delay: 69.169 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 272.28 Mbit/s
95th percentile per-packet one-way delay: 71.376 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 255.99 Mbit/s
95th percentile per-packet one-way delay: 67.347 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 242.61 Mbit/s
95th percentile per-packet one-way delay: 59.047 ms
Loss rate: 1.10%
```

## Run 2: Report of Copa — Data Link

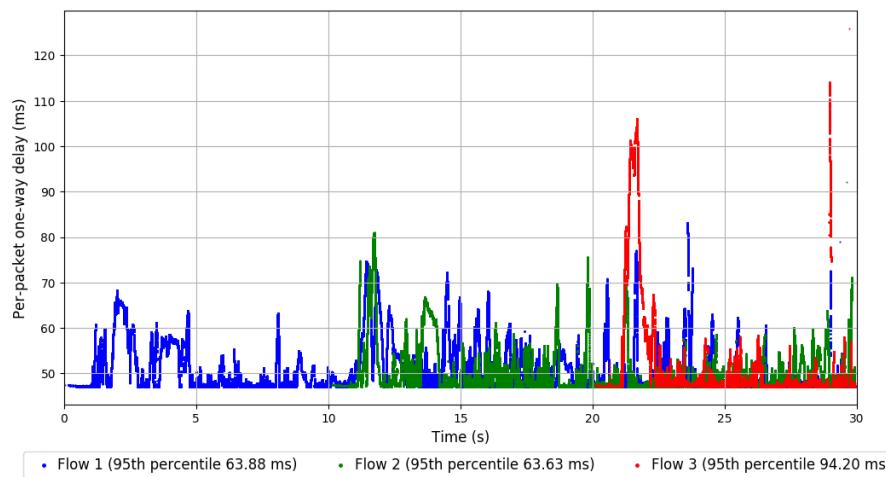
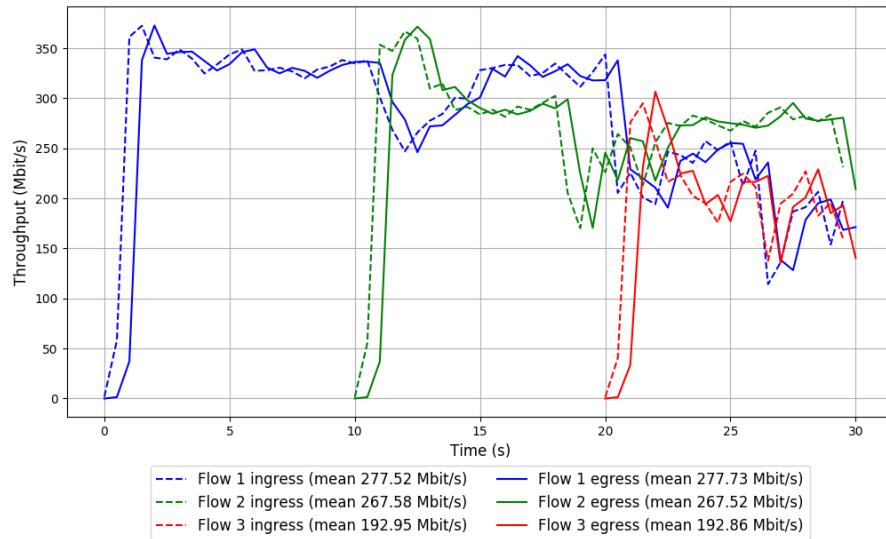


Run 3: Statistics of Copa

```
Start at: 2019-07-13 03:19:35
End at: 2019-07-13 03:20:05
Local clock offset: -0.045 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2019-07-13 05:47:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 519.24 Mbit/s
95th percentile per-packet one-way delay: 64.820 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 277.73 Mbit/s
95th percentile per-packet one-way delay: 63.879 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 267.52 Mbit/s
95th percentile per-packet one-way delay: 63.628 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 192.86 Mbit/s
95th percentile per-packet one-way delay: 94.201 ms
Loss rate: 0.99%
```

### Run 3: Report of Copa — Data Link

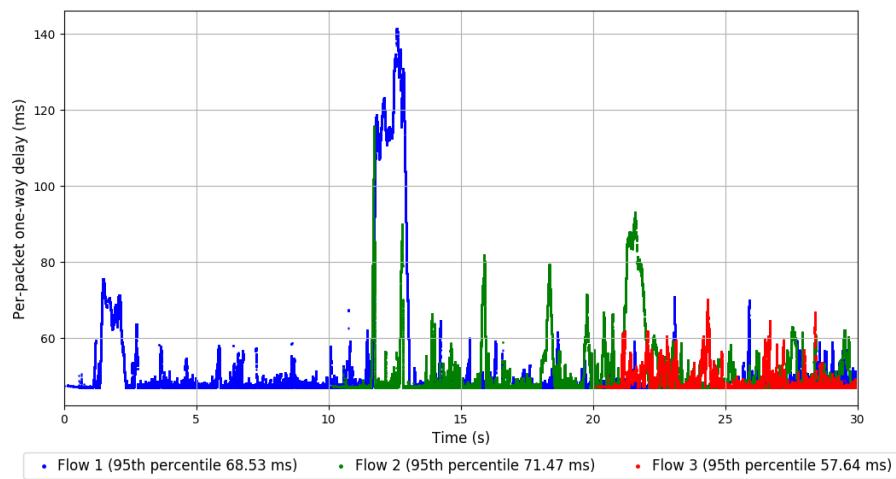
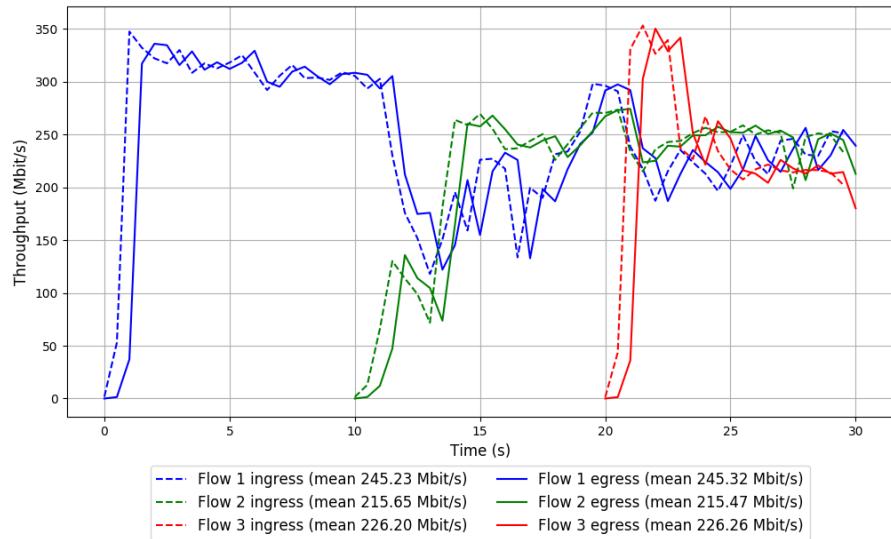


Run 4: Statistics of Copa

```
Start at: 2019-07-13 03:59:39
End at: 2019-07-13 04:00:09
Local clock offset: -0.012 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2019-07-13 06:01:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 463.29 Mbit/s
95th percentile per-packet one-way delay: 66.461 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 245.32 Mbit/s
95th percentile per-packet one-way delay: 68.535 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 215.47 Mbit/s
95th percentile per-packet one-way delay: 71.469 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 226.26 Mbit/s
95th percentile per-packet one-way delay: 57.639 ms
Loss rate: 0.92%
```

## Run 4: Report of Copa — Data Link

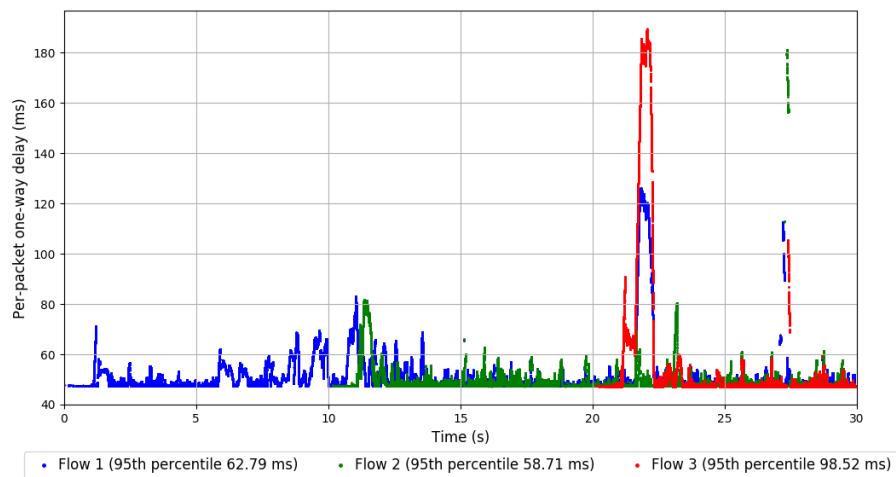
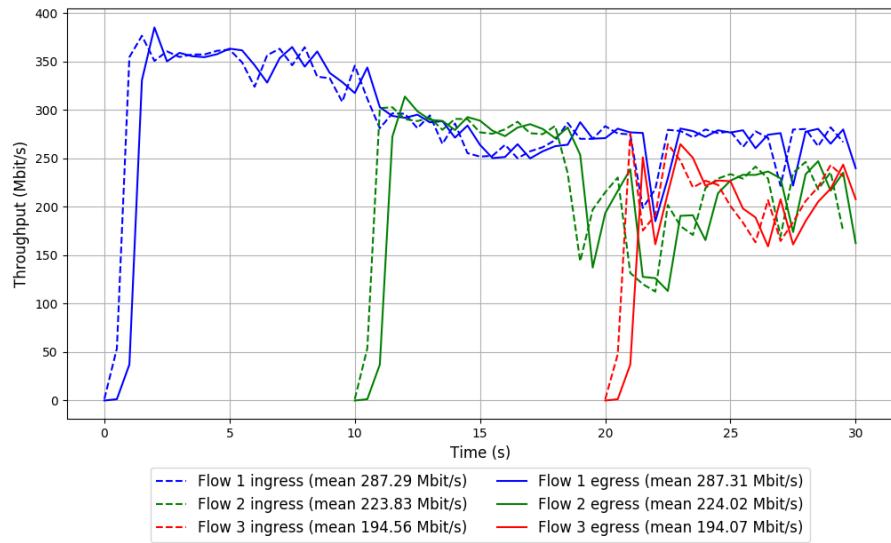


Run 5: Statistics of Copa

```
Start at: 2019-07-13 04:39:44
End at: 2019-07-13 04:40:14
Local clock offset: 0.048 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2019-07-13 06:02:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 500.41 Mbit/s
95th percentile per-packet one-way delay: 64.041 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 287.31 Mbit/s
95th percentile per-packet one-way delay: 62.794 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 224.02 Mbit/s
95th percentile per-packet one-way delay: 58.707 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 194.07 Mbit/s
95th percentile per-packet one-way delay: 98.521 ms
Loss rate: 1.20%
```

## Run 5: Report of Copa — Data Link

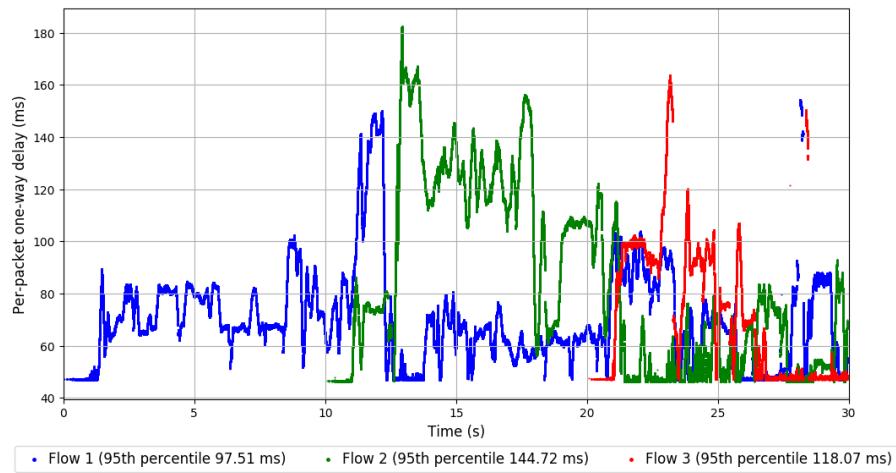
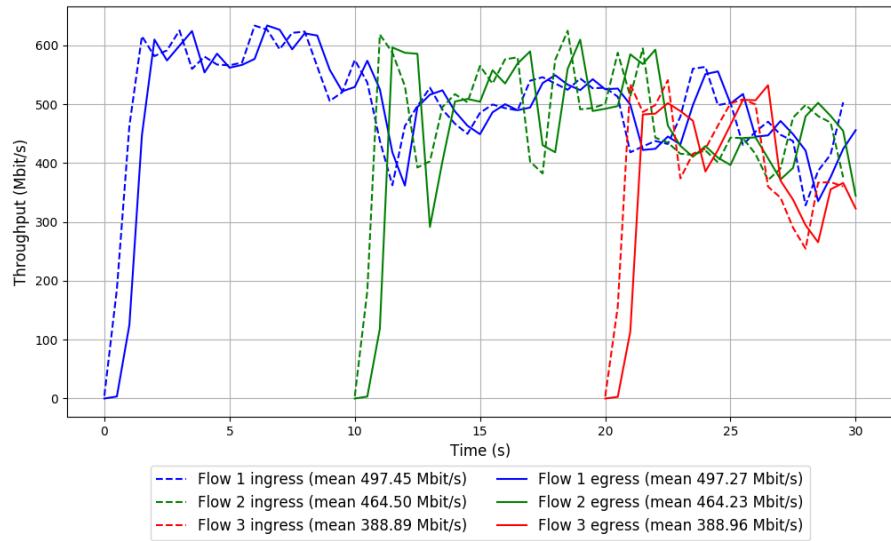


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-07-13 01:57:03
End at: 2019-07-13 01:57:33
Local clock offset: 0.046 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-07-13 06:02:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 934.43 Mbit/s
95th percentile per-packet one-way delay: 130.767 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 497.27 Mbit/s
95th percentile per-packet one-way delay: 97.513 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 464.23 Mbit/s
95th percentile per-packet one-way delay: 144.722 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 388.96 Mbit/s
95th percentile per-packet one-way delay: 118.070 ms
Loss rate: 0.92%
```

Run 1: Report of TCP Cubic — Data Link

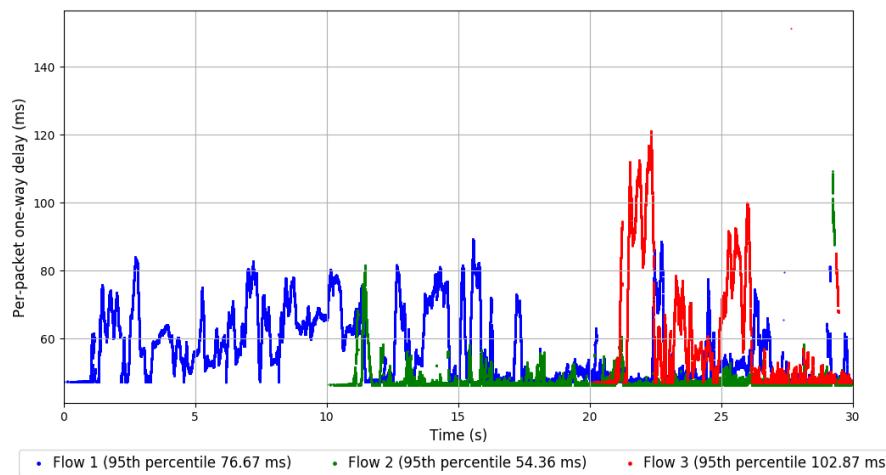
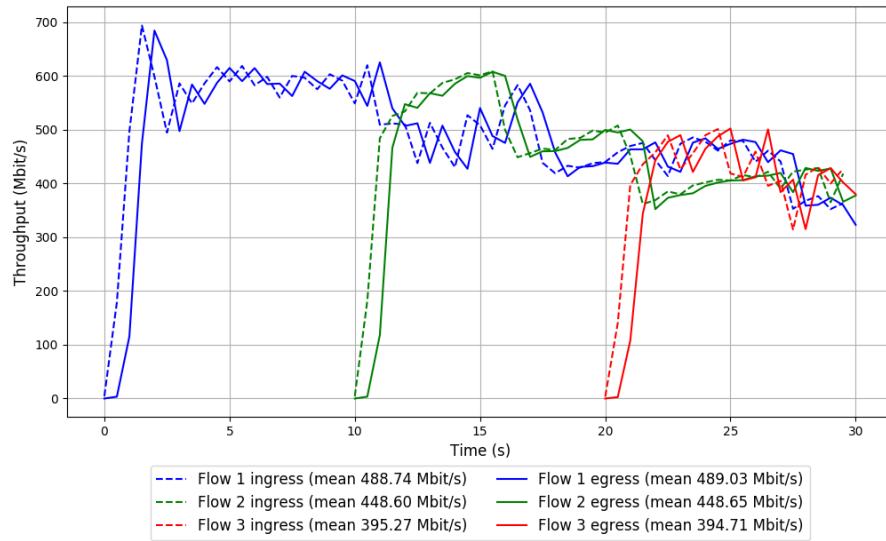


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-13 02:37:12
End at: 2019-07-13 02:37:42
Local clock offset: 0.017 ms
Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2019-07-13 06:02:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 917.85 Mbit/s
95th percentile per-packet one-way delay: 77.599 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 489.03 Mbit/s
95th percentile per-packet one-way delay: 76.674 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 448.65 Mbit/s
95th percentile per-packet one-way delay: 54.361 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 394.71 Mbit/s
95th percentile per-packet one-way delay: 102.866 ms
Loss rate: 1.09%
```

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

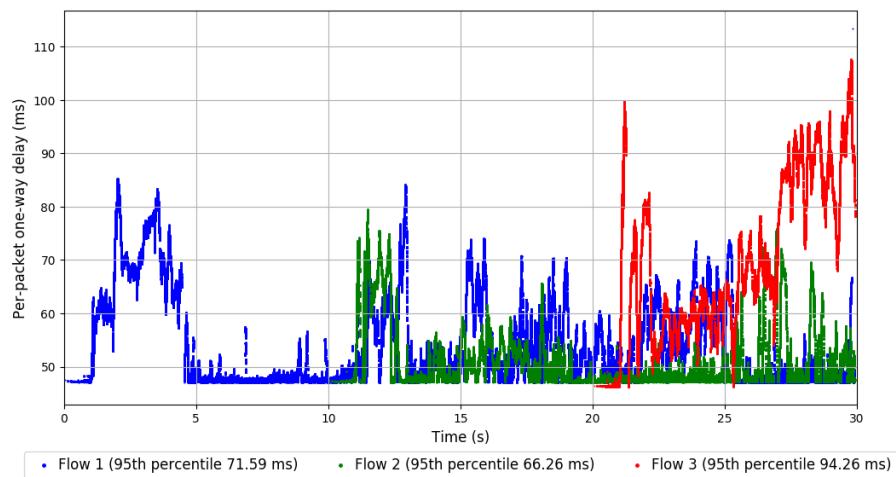
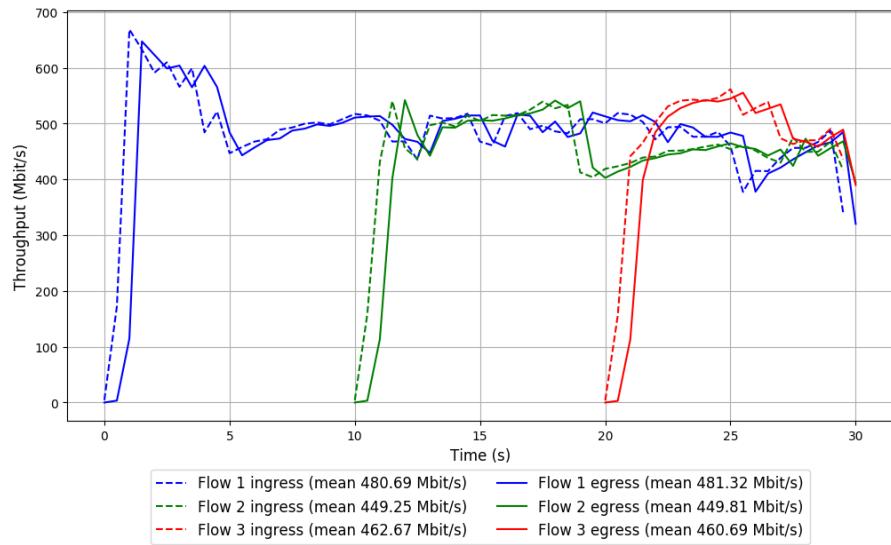


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2019-07-13 03:17:38
End at: 2019-07-13 03:18:08
Local clock offset: -0.074 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2019-07-13 06:02:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 932.24 Mbit/s
95th percentile per-packet one-way delay: 80.436 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 481.32 Mbit/s
95th percentile per-packet one-way delay: 71.595 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 449.81 Mbit/s
95th percentile per-packet one-way delay: 66.261 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 460.69 Mbit/s
95th percentile per-packet one-way delay: 94.264 ms
Loss rate: 1.38%
```

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

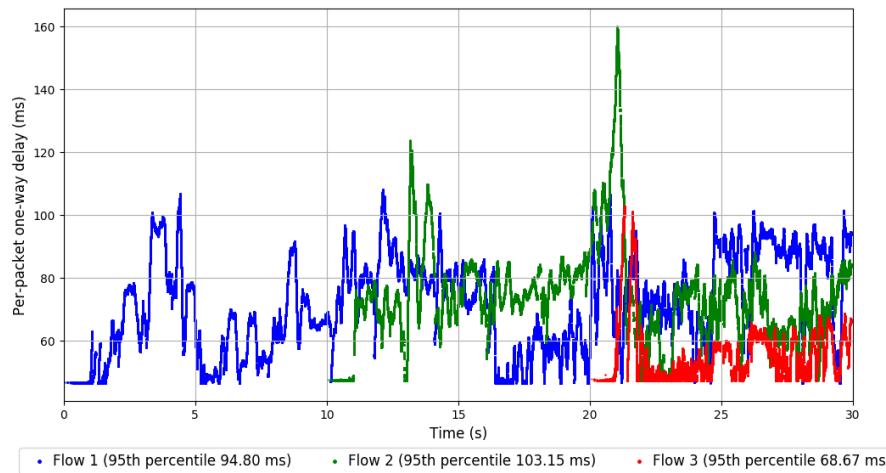
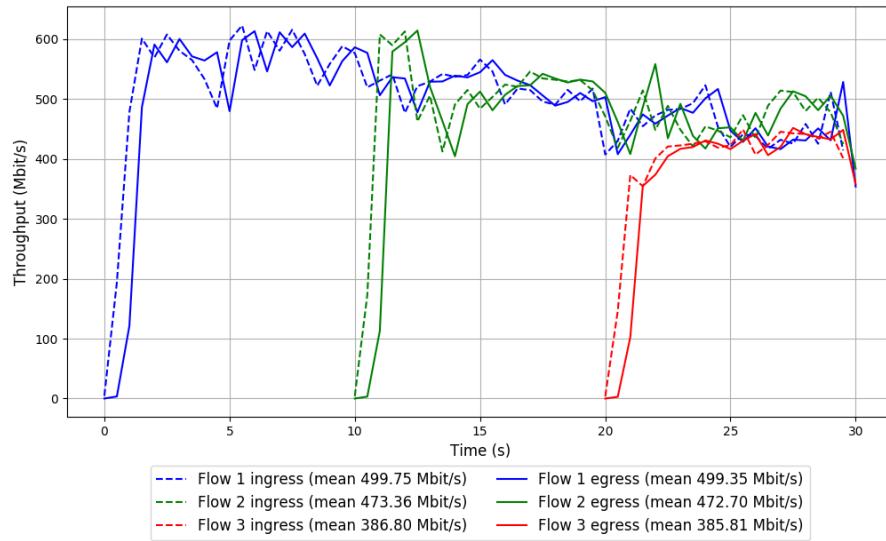


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-13 03:57:42
End at: 2019-07-13 03:58:12
Local clock offset: -0.024 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2019-07-13 06:03:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 941.10 Mbit/s
95th percentile per-packet one-way delay: 95.307 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 499.35 Mbit/s
95th percentile per-packet one-way delay: 94.803 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 472.70 Mbit/s
95th percentile per-packet one-way delay: 103.150 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 385.81 Mbit/s
95th percentile per-packet one-way delay: 68.668 ms
Loss rate: 1.21%
```

Run 4: Report of TCP Cubic — Data Link

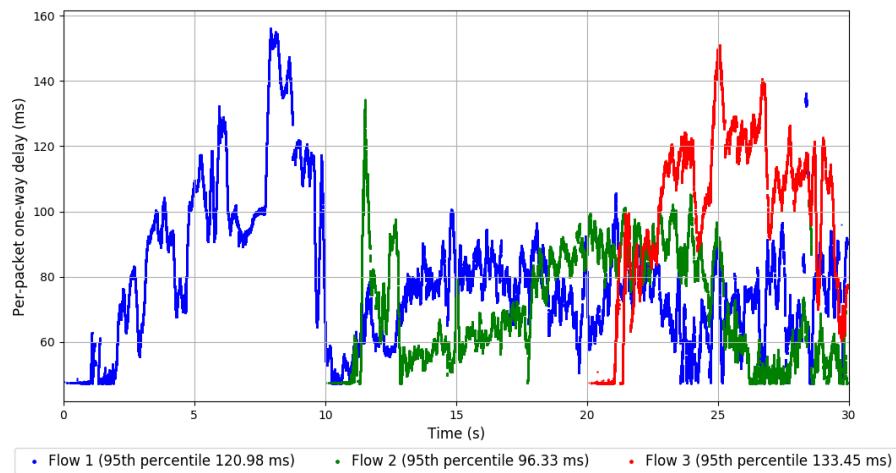
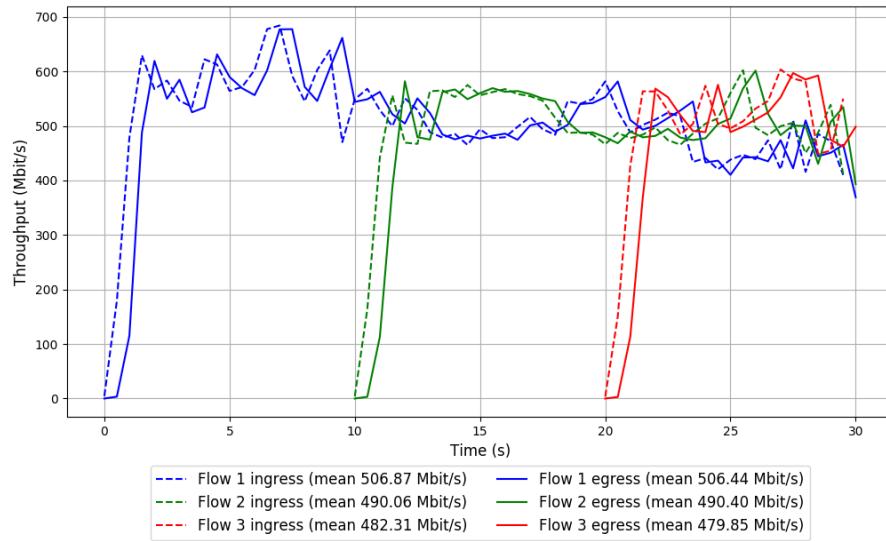


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-13 04:37:43
End at: 2019-07-13 04:38:13
Local clock offset: 0.043 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2019-07-13 06:04:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 991.02 Mbit/s
95th percentile per-packet one-way delay: 123.137 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 506.44 Mbit/s
95th percentile per-packet one-way delay: 120.976 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 490.40 Mbit/s
95th percentile per-packet one-way delay: 96.334 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 479.85 Mbit/s
95th percentile per-packet one-way delay: 133.452 ms
Loss rate: 1.46%
```

Run 5: Report of TCP Cubic — Data Link

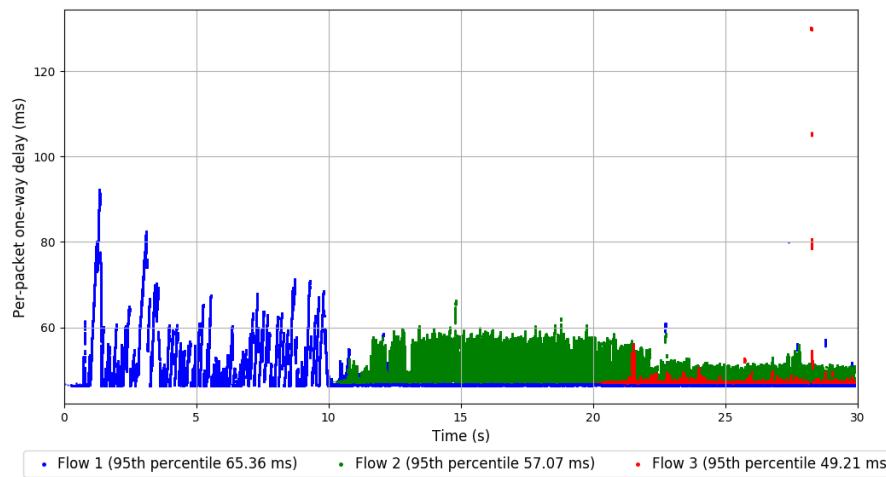
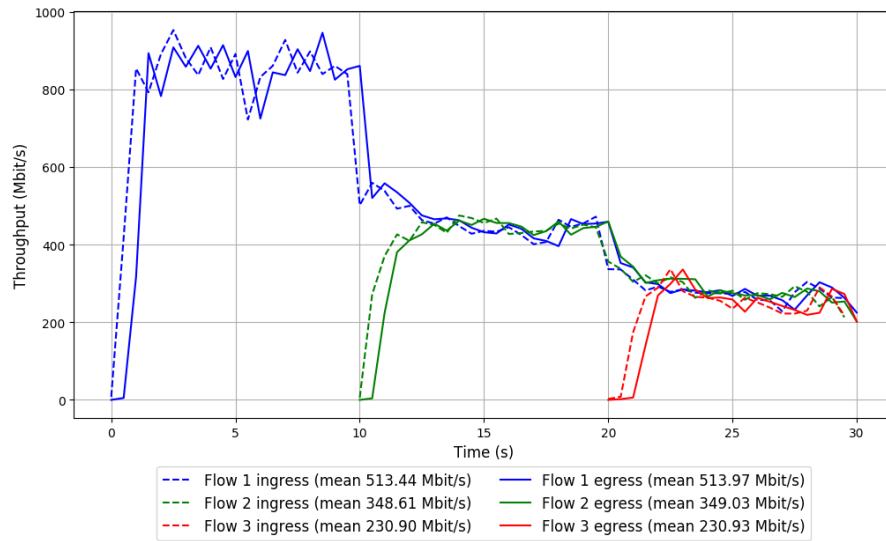


```
Run 1: Statistics of FillP

Start at: 2019-07-13 02:10:27
End at: 2019-07-13 02:10:57
Local clock offset: 0.039 ms
Remote clock offset: 0.043 ms

# Below is generated by plot.py at 2019-07-13 06:04:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 821.87 Mbit/s
95th percentile per-packet one-way delay: 62.424 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 513.97 Mbit/s
95th percentile per-packet one-way delay: 65.364 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 349.03 Mbit/s
95th percentile per-packet one-way delay: 57.070 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 230.93 Mbit/s
95th percentile per-packet one-way delay: 49.212 ms
Loss rate: 0.76%
```

## Run 1: Report of FillP — Data Link

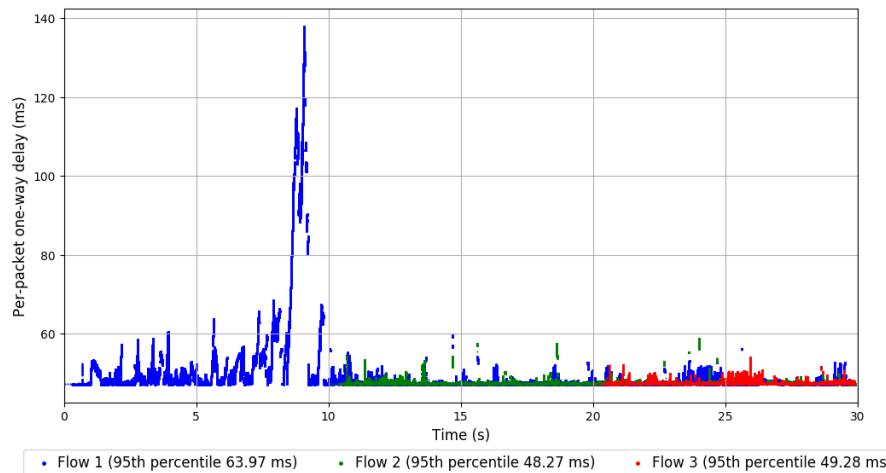
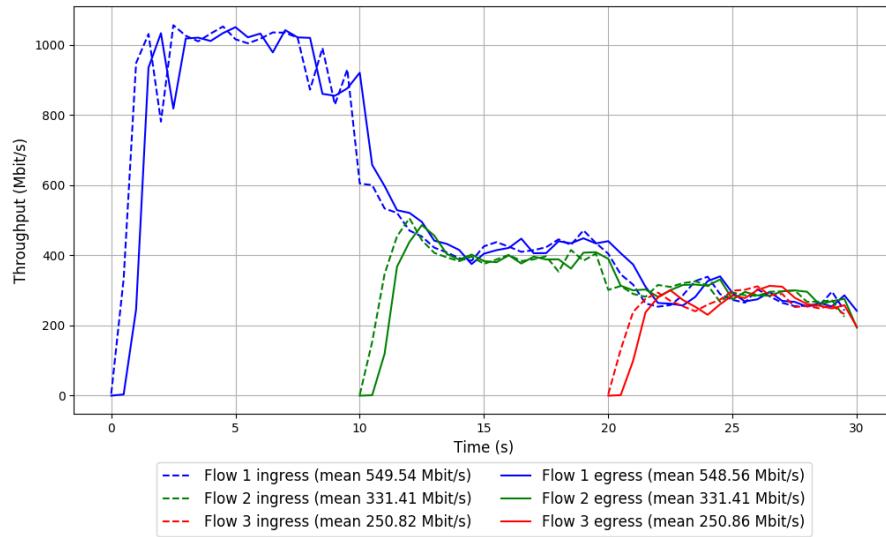


Run 2: Statistics of FillP

```
Start at: 2019-07-13 02:50:34
End at: 2019-07-13 02:51:04
Local clock offset: 0.03 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2019-07-13 06:19:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 851.35 Mbit/s
95th percentile per-packet one-way delay: 58.385 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 548.56 Mbit/s
95th percentile per-packet one-way delay: 63.965 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 331.41 Mbit/s
95th percentile per-packet one-way delay: 48.266 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 250.86 Mbit/s
95th percentile per-packet one-way delay: 49.277 ms
Loss rate: 1.08%
```

Run 2: Report of FillP — Data Link

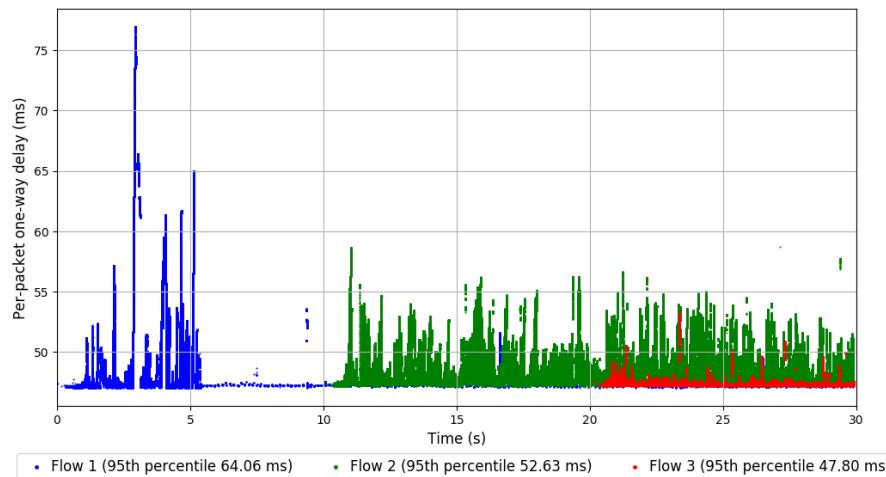
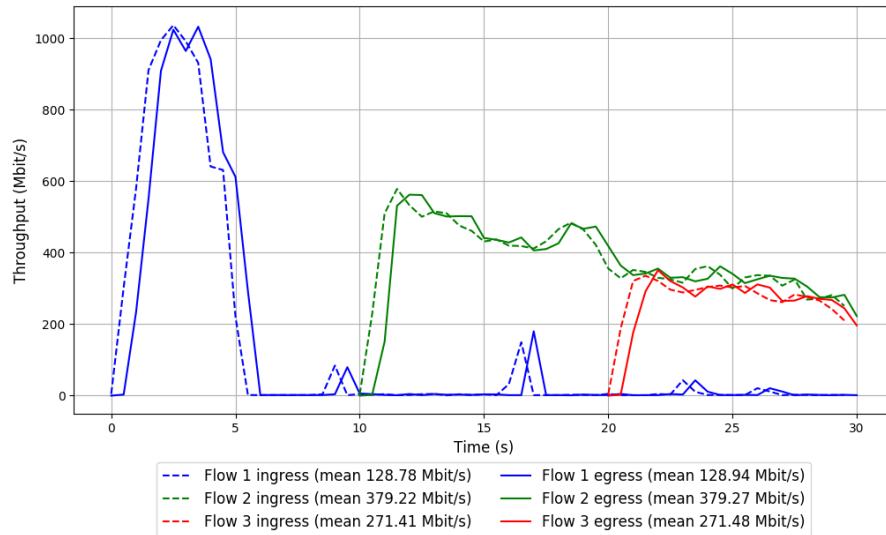


Run 3: Statistics of FillP

```
Start at: 2019-07-13 03:30:57
End at: 2019-07-13 03:31:27
Local clock offset: -0.093 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-07-13 06:19:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.27 Mbit/s
95th percentile per-packet one-way delay: 53.259 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 128.94 Mbit/s
95th percentile per-packet one-way delay: 64.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 379.27 Mbit/s
95th percentile per-packet one-way delay: 52.631 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 271.48 Mbit/s
95th percentile per-packet one-way delay: 47.799 ms
Loss rate: 0.70%
```

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

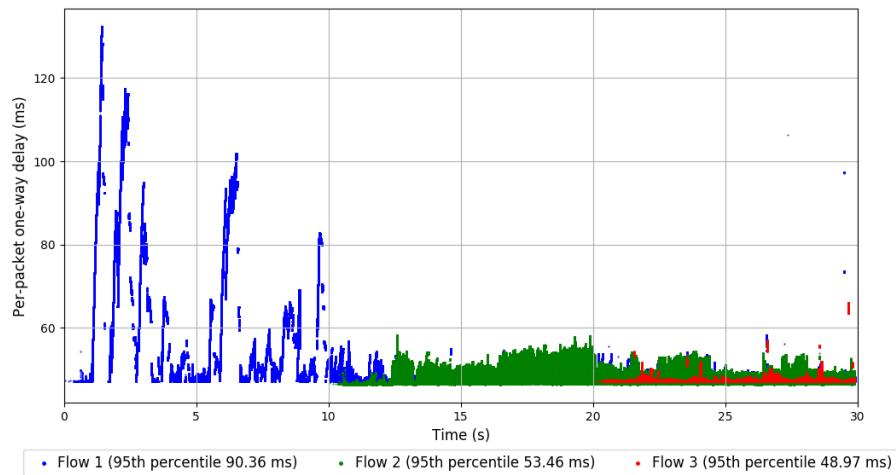
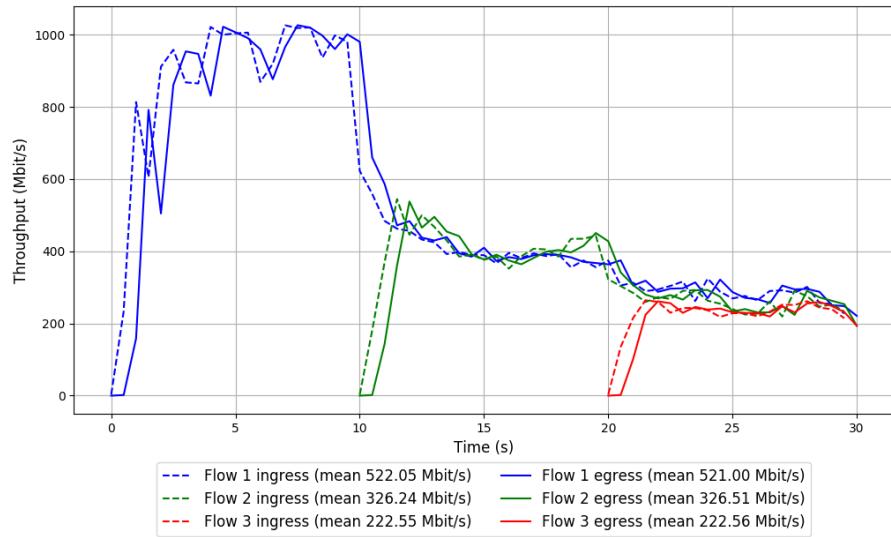


Run 4: Statistics of FillP

```
Start at: 2019-07-13 04:11:01
End at: 2019-07-13 04:11:31
Local clock offset: -0.013 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2019-07-13 06:19:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 811.12 Mbit/s
95th percentile per-packet one-way delay: 82.135 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 521.00 Mbit/s
95th percentile per-packet one-way delay: 90.361 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 326.51 Mbit/s
95th percentile per-packet one-way delay: 53.461 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 222.56 Mbit/s
95th percentile per-packet one-way delay: 48.971 ms
Loss rate: 1.05%
```

## Run 4: Report of FillP — Data Link

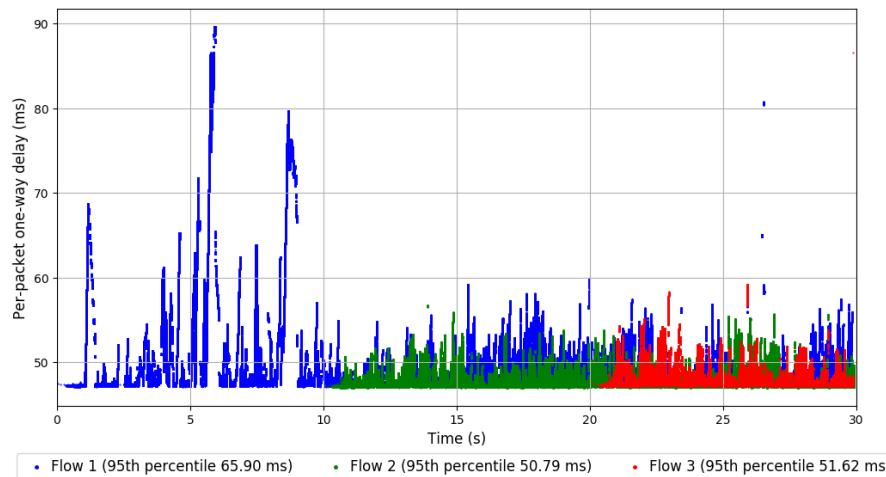
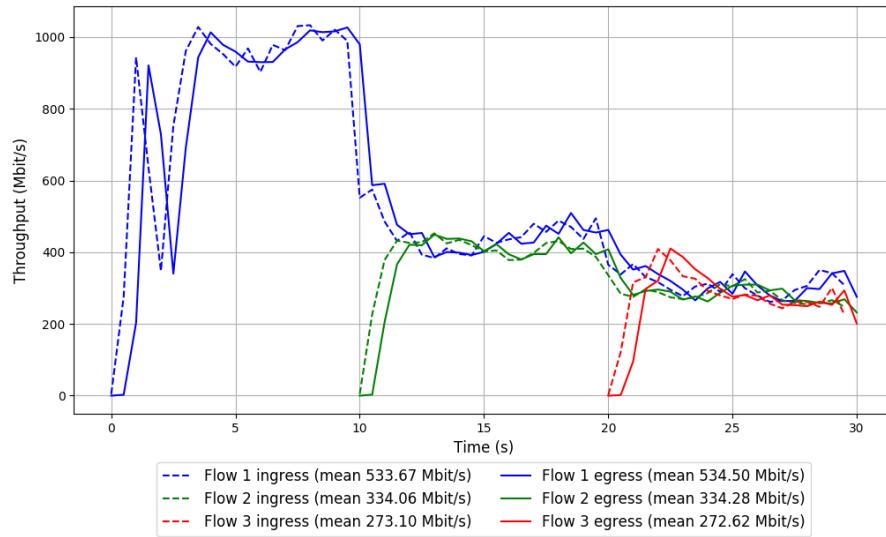


```
Run 5: Statistics of FillP

Start at: 2019-07-13 04:51:14
End at: 2019-07-13 04:51:44
Local clock offset: -0.015 ms
Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2019-07-13 06:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 846.35 Mbit/s
95th percentile per-packet one-way delay: 59.432 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 534.50 Mbit/s
95th percentile per-packet one-way delay: 65.902 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 334.28 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 272.62 Mbit/s
95th percentile per-packet one-way delay: 51.624 ms
Loss rate: 1.02%
```

## Run 5: Report of FillP — Data Link

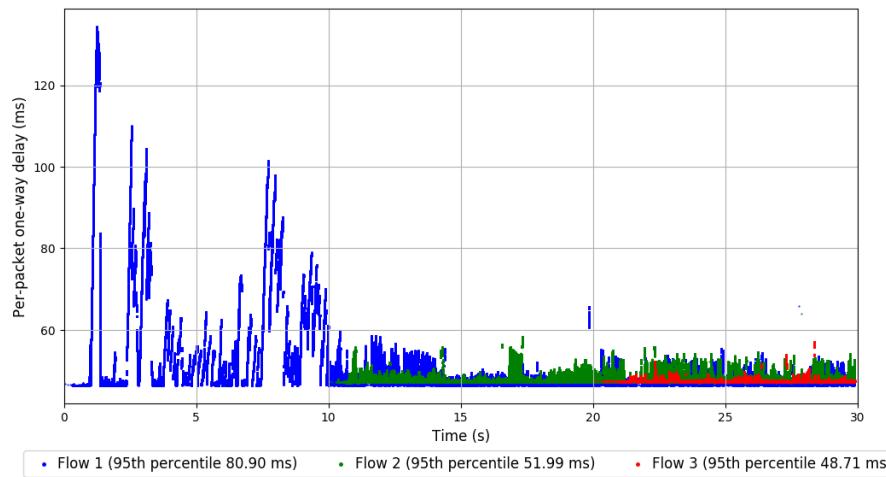
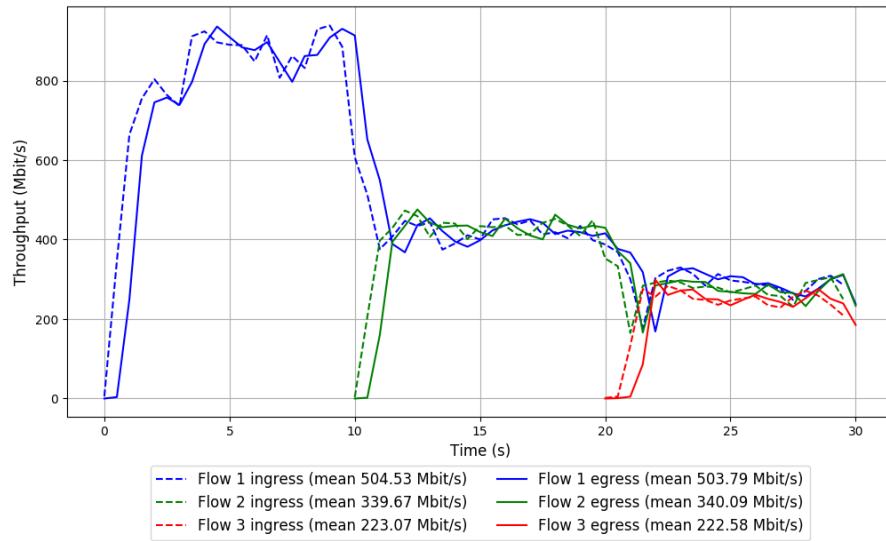


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-07-13 02:03:55
End at: 2019-07-13 02:04:25
Local clock offset: 0.018 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-07-13 06:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.72 Mbit/s
95th percentile per-packet one-way delay: 73.269 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 503.79 Mbit/s
95th percentile per-packet one-way delay: 80.898 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 340.09 Mbit/s
95th percentile per-packet one-way delay: 51.989 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 222.58 Mbit/s
95th percentile per-packet one-way delay: 48.706 ms
Loss rate: 1.01%
```

Run 1: Report of FillP-Sheep — Data Link

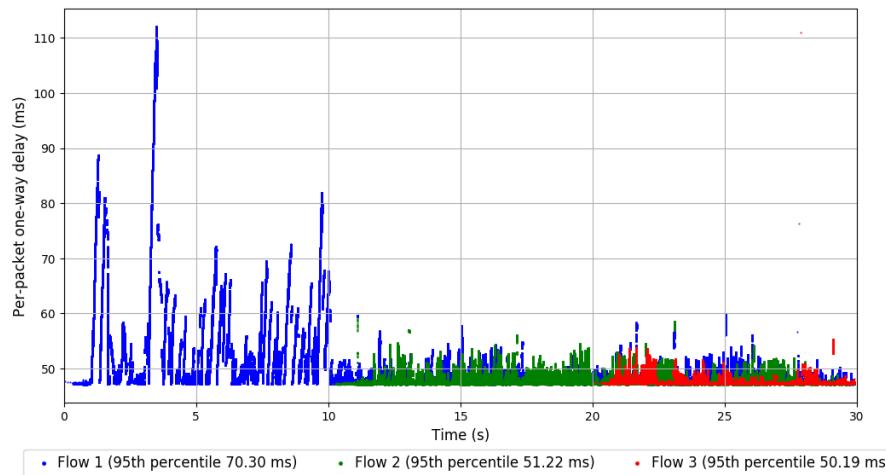
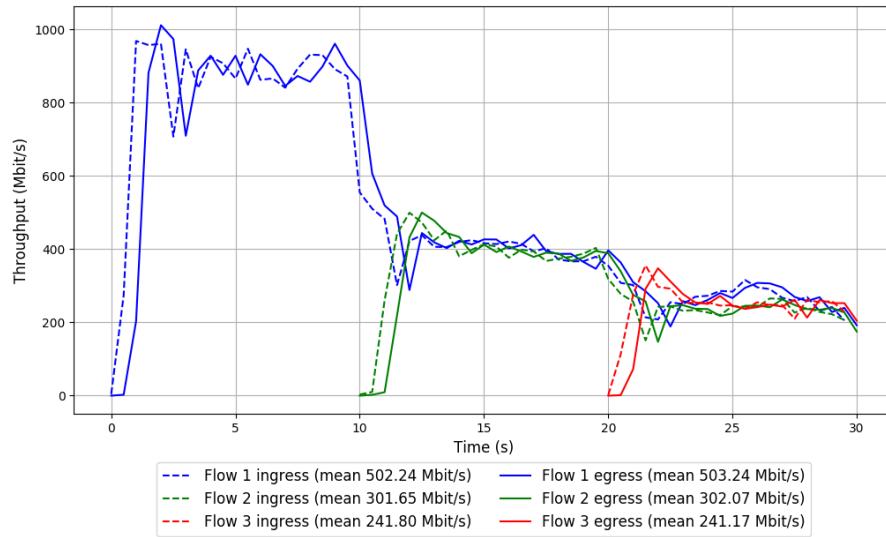


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-13 02:44:05
End at: 2019-07-13 02:44:35
Local clock offset: 0.042 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2019-07-13 06:20:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 783.21 Mbit/s
95th percentile per-packet one-way delay: 65.150 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 503.24 Mbit/s
95th percentile per-packet one-way delay: 70.299 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 302.07 Mbit/s
95th percentile per-packet one-way delay: 51.215 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 241.17 Mbit/s
95th percentile per-packet one-way delay: 50.193 ms
Loss rate: 1.06%
```

## Run 2: Report of FillP-Sheep — Data Link

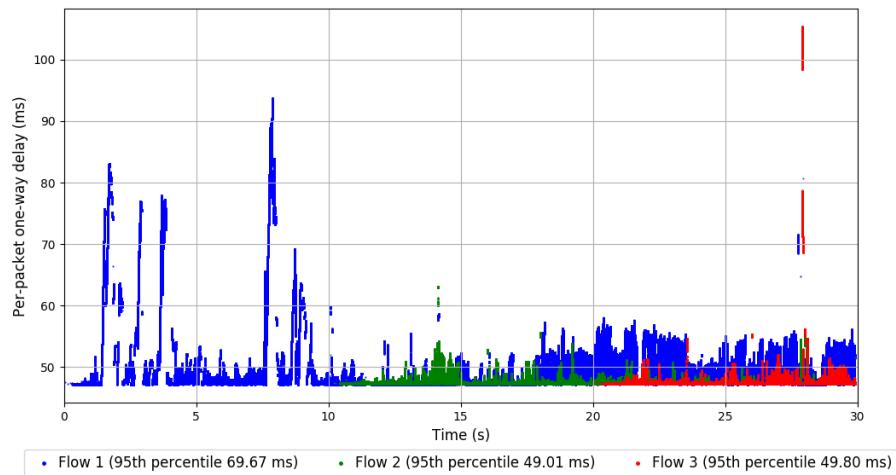
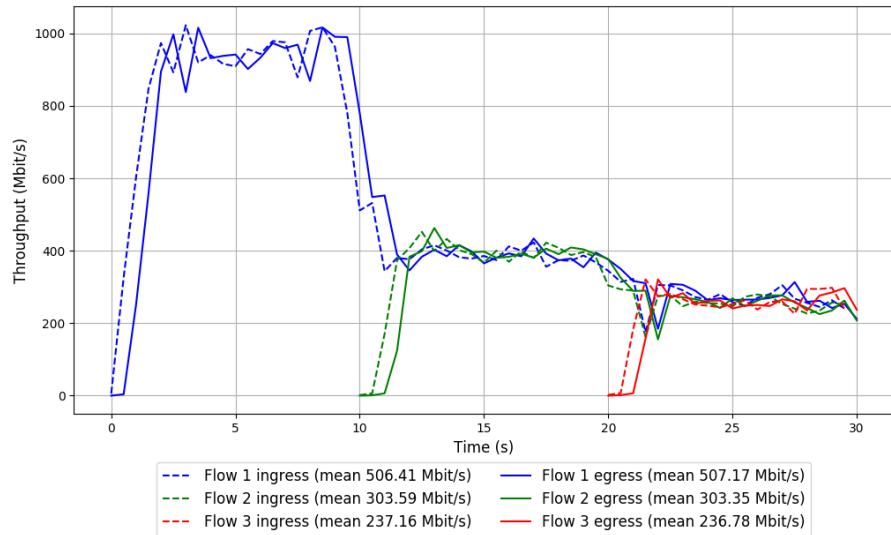


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-13 03:24:32
End at: 2019-07-13 03:25:02
Local clock offset: -0.045 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-07-13 06:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 786.55 Mbit/s
95th percentile per-packet one-way delay: 62.435 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 507.17 Mbit/s
95th percentile per-packet one-way delay: 69.668 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 303.35 Mbit/s
95th percentile per-packet one-way delay: 49.005 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 236.78 Mbit/s
95th percentile per-packet one-way delay: 49.803 ms
Loss rate: 0.89%
```

### Run 3: Report of FillP-Sheep — Data Link

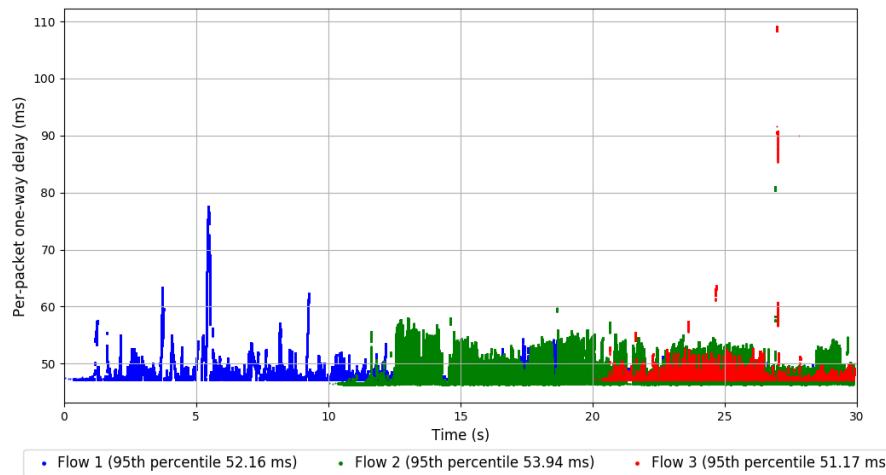
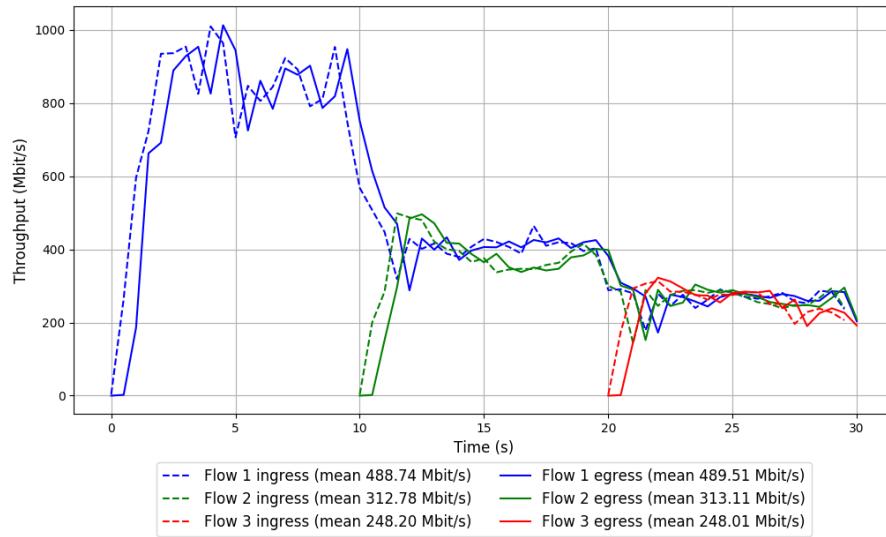


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-13 04:04:31
End at: 2019-07-13 04:05:01
Local clock offset: -0.052 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-07-13 06:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 778.82 Mbit/s
95th percentile per-packet one-way delay: 53.038 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 489.51 Mbit/s
95th percentile per-packet one-way delay: 52.163 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 313.11 Mbit/s
95th percentile per-packet one-way delay: 53.939 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 248.01 Mbit/s
95th percentile per-packet one-way delay: 51.174 ms
Loss rate: 0.83%
```

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

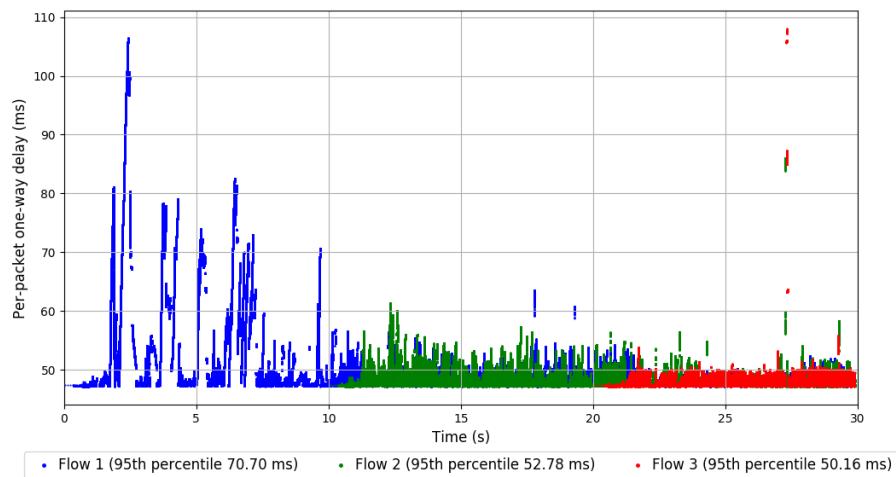
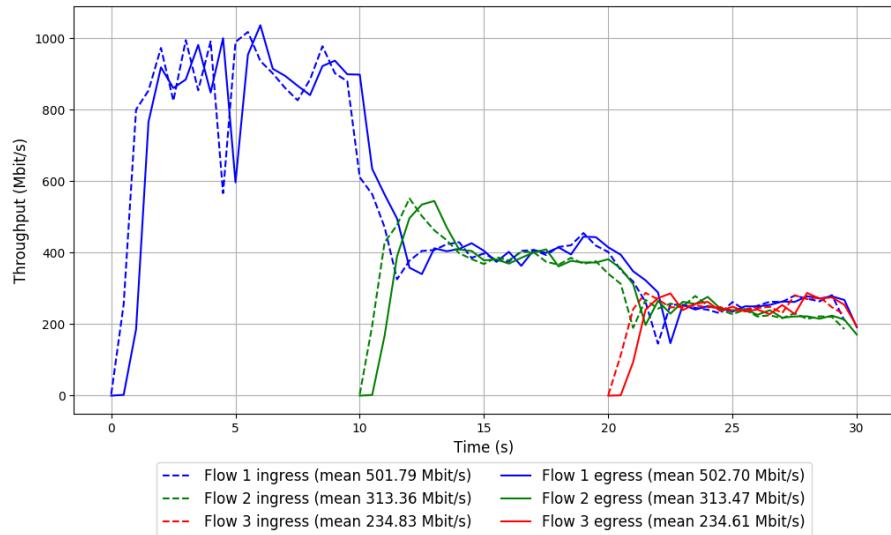


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-13 04:44:39
End at: 2019-07-13 04:45:09
Local clock offset: 0.028 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2019-07-13 06:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.17 Mbit/s
95th percentile per-packet one-way delay: 67.586 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 502.70 Mbit/s
95th percentile per-packet one-way delay: 70.700 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 313.47 Mbit/s
95th percentile per-packet one-way delay: 52.777 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 234.61 Mbit/s
95th percentile per-packet one-way delay: 50.155 ms
Loss rate: 1.16%
```

## Run 5: Report of FillP-Sheep — Data Link

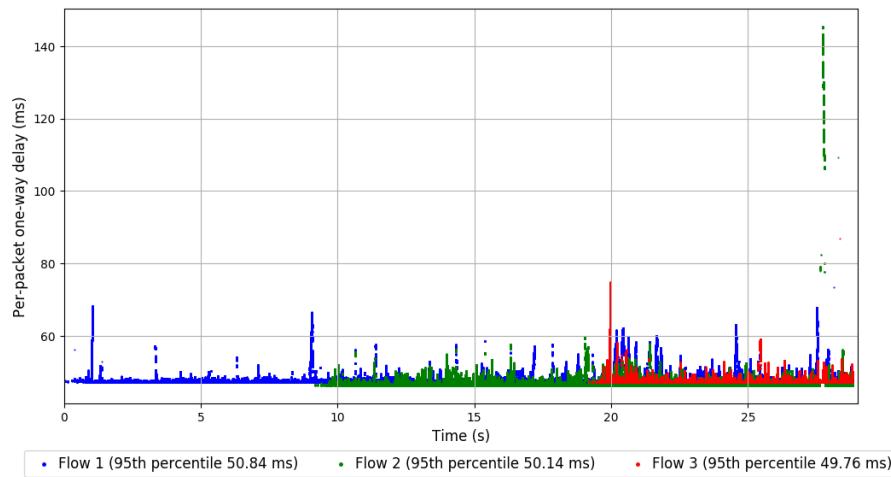
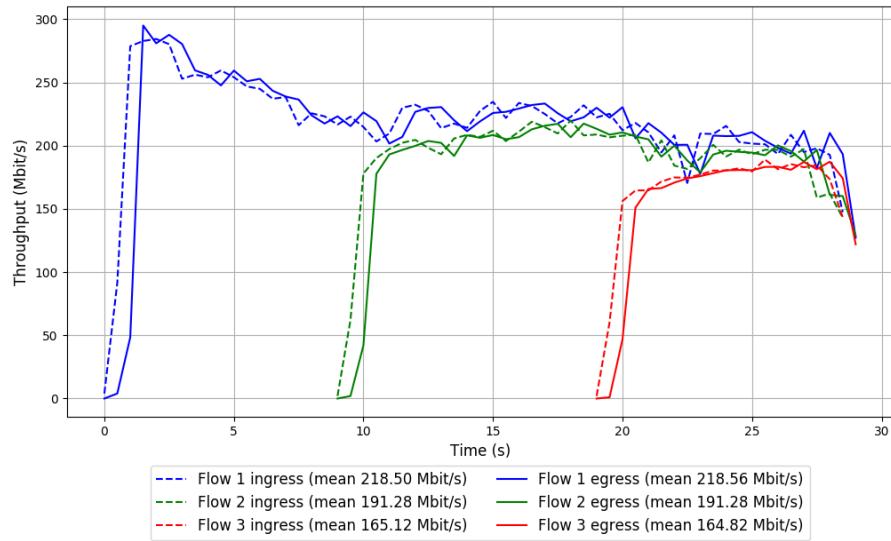


Run 1: Statistics of Indigo

```
Start at: 2019-07-13 02:00:57
End at: 2019-07-13 02:01:27
Local clock offset: 0.027 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2019-07-13 06:33:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.30 Mbit/s
95th percentile per-packet one-way delay: 50.441 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 218.56 Mbit/s
95th percentile per-packet one-way delay: 50.841 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 191.28 Mbit/s
95th percentile per-packet one-way delay: 50.137 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 164.82 Mbit/s
95th percentile per-packet one-way delay: 49.761 ms
Loss rate: 1.15%
```

## Run 1: Report of Indigo — Data Link

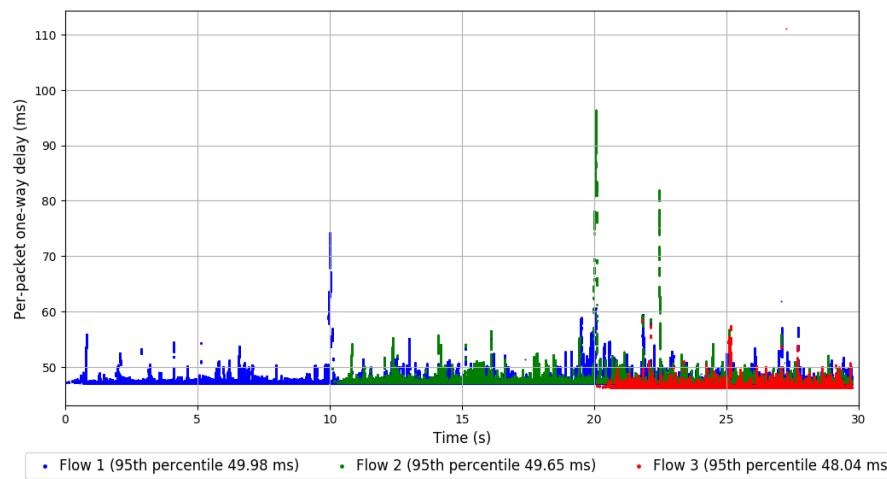
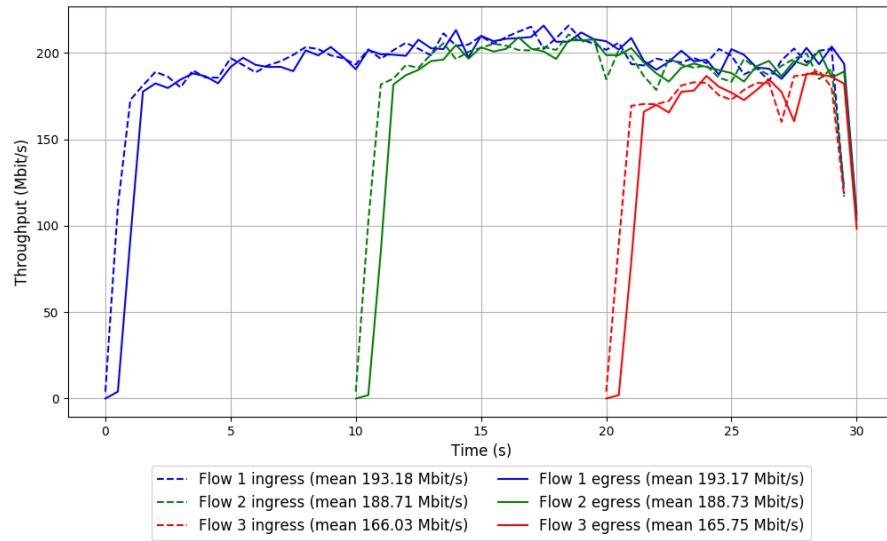


Run 2: Statistics of Indigo

```
Start at: 2019-07-13 02:41:07
End at: 2019-07-13 02:41:37
Local clock offset: 0.015 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2019-07-13 06:33:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 371.96 Mbit/s
95th percentile per-packet one-way delay: 49.635 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 193.17 Mbit/s
95th percentile per-packet one-way delay: 49.980 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 188.73 Mbit/s
95th percentile per-packet one-way delay: 49.647 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 165.75 Mbit/s
95th percentile per-packet one-way delay: 48.036 ms
Loss rate: 1.13%
```

Run 2: Report of Indigo — Data Link

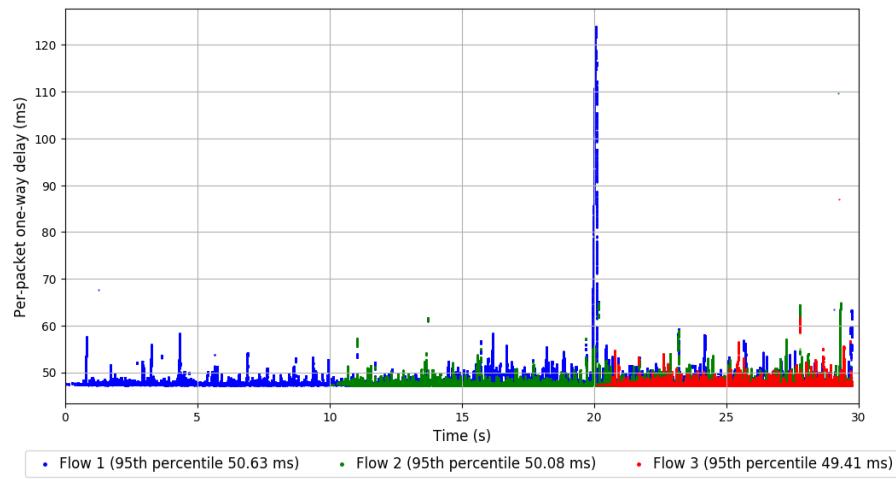
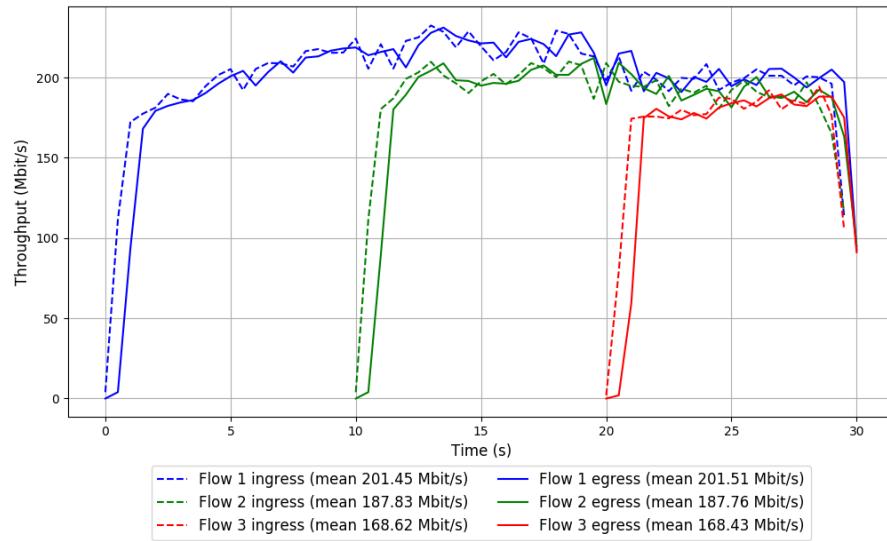


Run 3: Statistics of Indigo

```
Start at: 2019-07-13 03:21:34
End at: 2019-07-13 03:22:04
Local clock offset: -0.056 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2019-07-13 06:33:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.52 Mbit/s
95th percentile per-packet one-way delay: 50.309 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 201.51 Mbit/s
95th percentile per-packet one-way delay: 50.635 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 187.76 Mbit/s
95th percentile per-packet one-way delay: 50.076 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 168.43 Mbit/s
95th percentile per-packet one-way delay: 49.408 ms
Loss rate: 1.11%
```

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

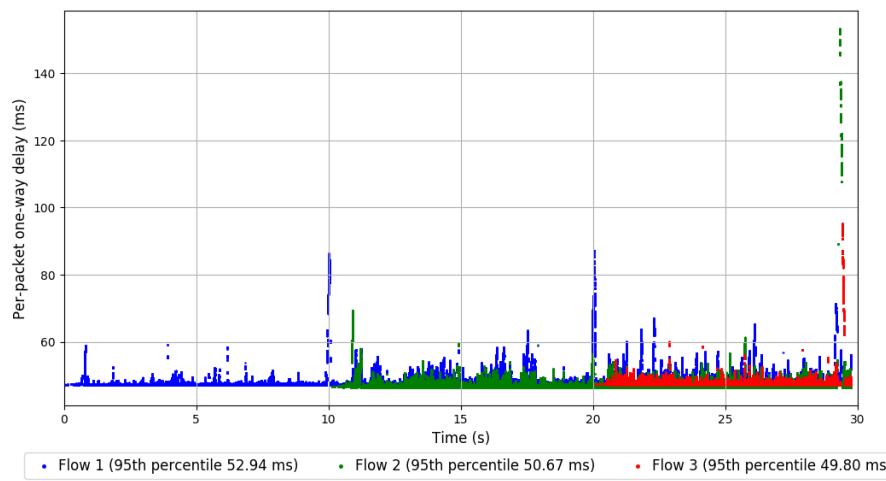
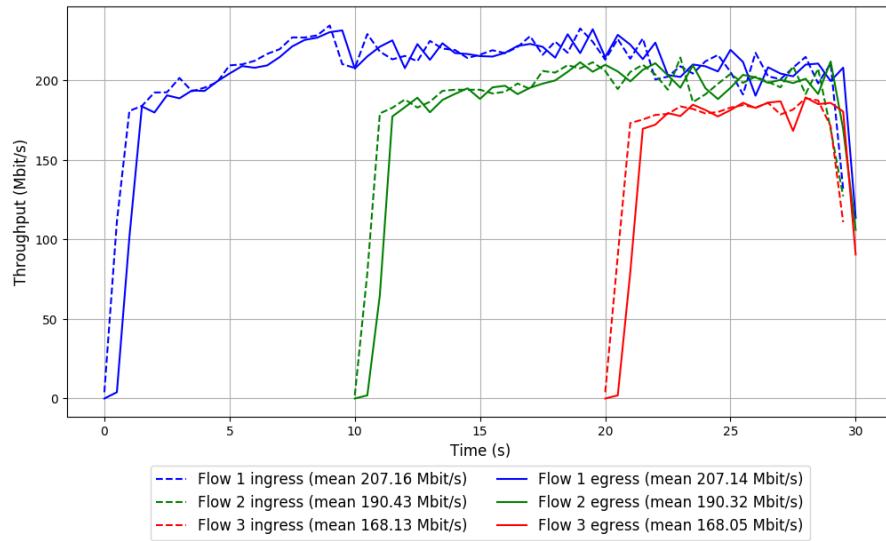


Run 4: Statistics of Indigo

```
Start at: 2019-07-13 04:01:33
End at: 2019-07-13 04:02:03
Local clock offset: -0.017 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-07-13 06:33:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.41 Mbit/s
95th percentile per-packet one-way delay: 51.735 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 207.14 Mbit/s
95th percentile per-packet one-way delay: 52.942 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 190.32 Mbit/s
95th percentile per-packet one-way delay: 50.666 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 168.05 Mbit/s
95th percentile per-packet one-way delay: 49.802 ms
Loss rate: 1.02%
```

## Run 4: Report of Indigo — Data Link

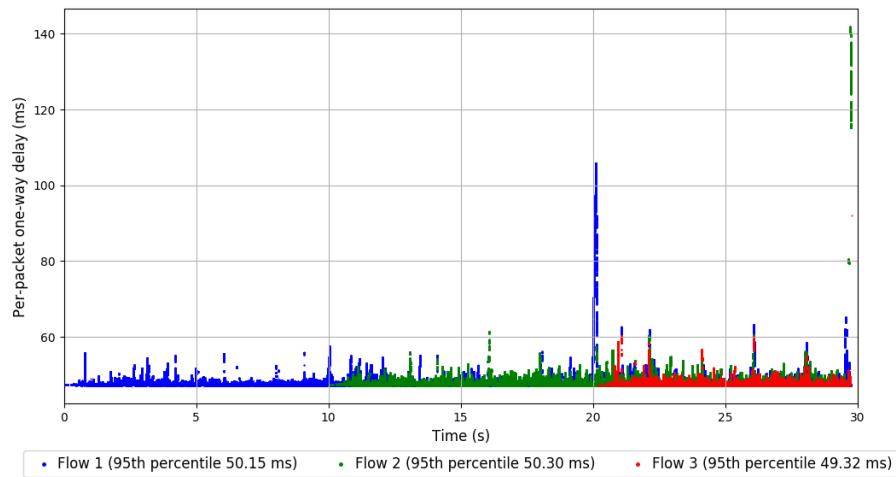
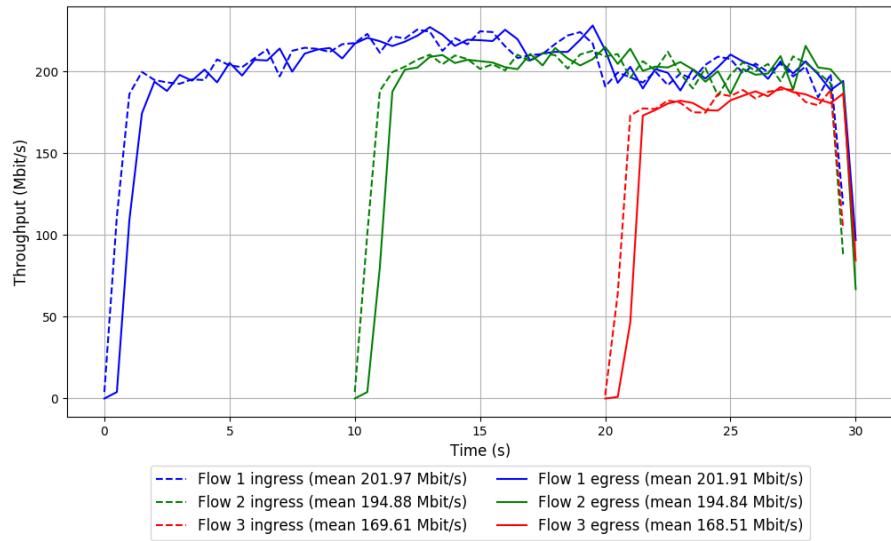


Run 5: Statistics of Indigo

```
Start at: 2019-07-13 04:41:42
End at: 2019-07-13 04:42:12
Local clock offset: 0.058 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2019-07-13 06:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.17 Mbit/s
95th percentile per-packet one-way delay: 50.097 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 201.91 Mbit/s
95th percentile per-packet one-way delay: 50.150 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 194.84 Mbit/s
95th percentile per-packet one-way delay: 50.297 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 168.51 Mbit/s
95th percentile per-packet one-way delay: 49.316 ms
Loss rate: 1.15%
```

Run 5: Report of Indigo — Data Link

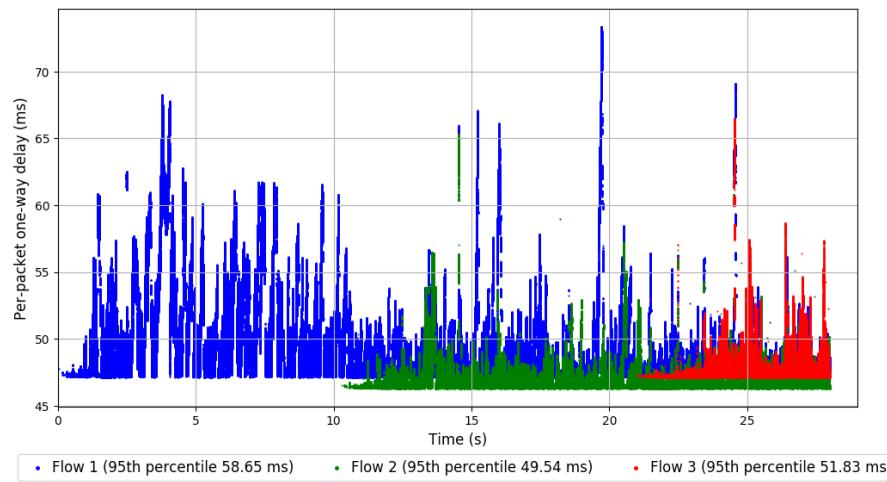
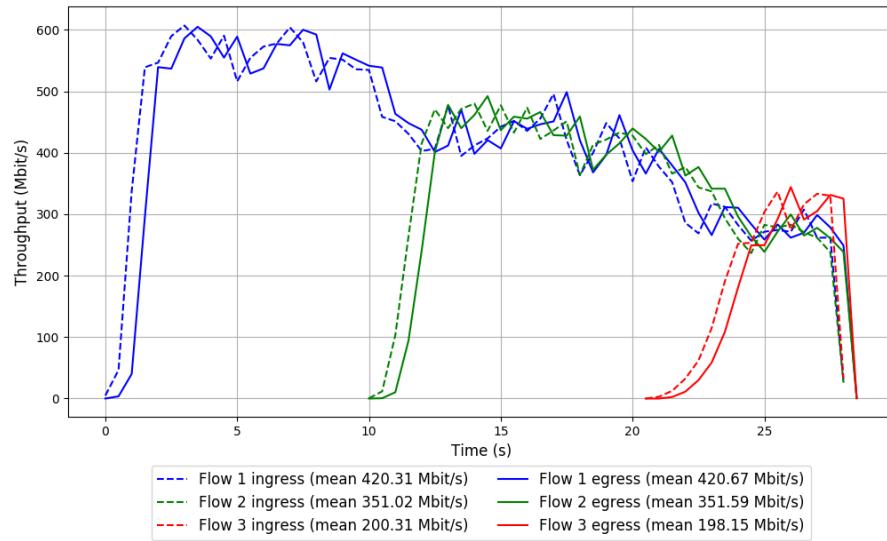


```
Run 1: Statistics of Indigo-MusesC3
```

```
Start at: 2019-07-13 02:27:14
End at: 2019-07-13 02:27:44
Local clock offset: -0.006 ms
Remote clock offset: 0.093 ms

# Below is generated by plot.py at 2019-07-13 06:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 693.29 Mbit/s
95th percentile per-packet one-way delay: 56.200 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 420.67 Mbit/s
95th percentile per-packet one-way delay: 58.647 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 351.59 Mbit/s
95th percentile per-packet one-way delay: 49.536 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 198.15 Mbit/s
95th percentile per-packet one-way delay: 51.834 ms
Loss rate: 2.40%
```

## Run 1: Report of Indigo-MusesC3 — Data Link

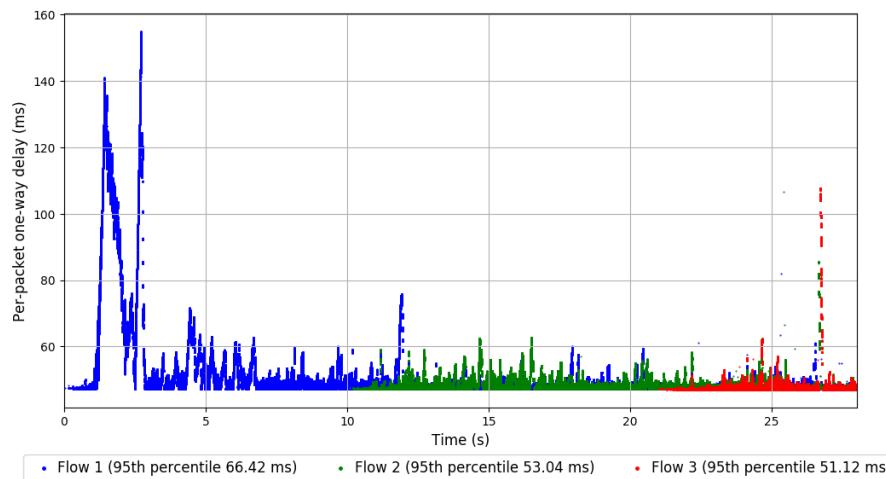
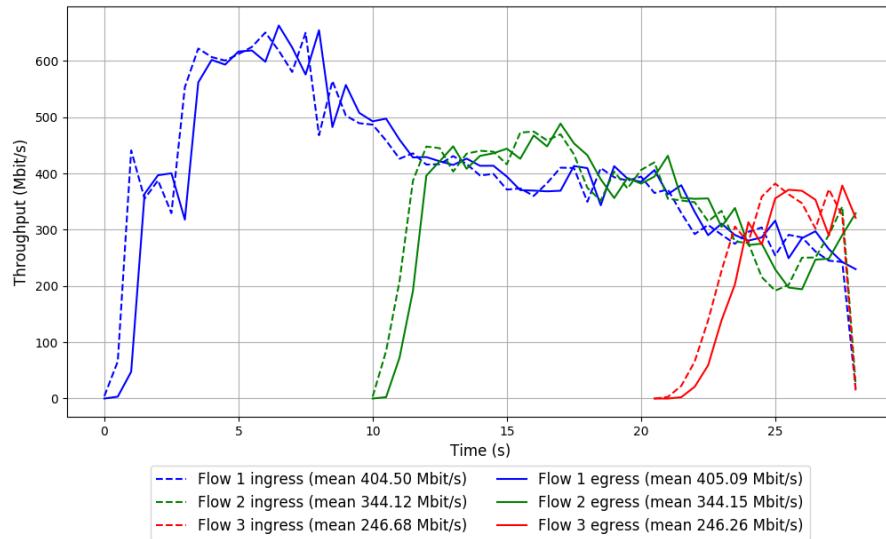


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-13 03:07:25
End at: 2019-07-13 03:07:55
Local clock offset: -0.01 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2019-07-13 06:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 686.93 Mbit/s
95th percentile per-packet one-way delay: 59.259 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 405.09 Mbit/s
95th percentile per-packet one-way delay: 66.421 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 344.15 Mbit/s
95th percentile per-packet one-way delay: 53.038 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 246.26 Mbit/s
95th percentile per-packet one-way delay: 51.117 ms
Loss rate: 1.50%
```

## Run 2: Report of Indigo-MusesC3 — Data Link

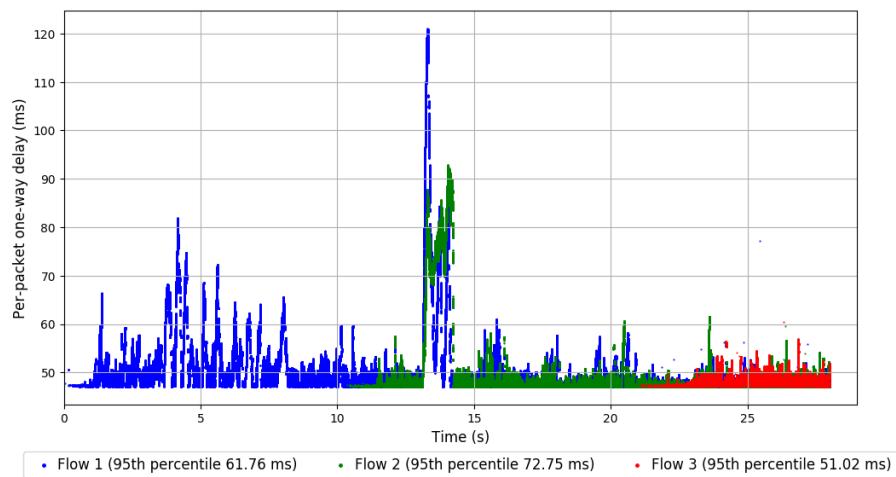
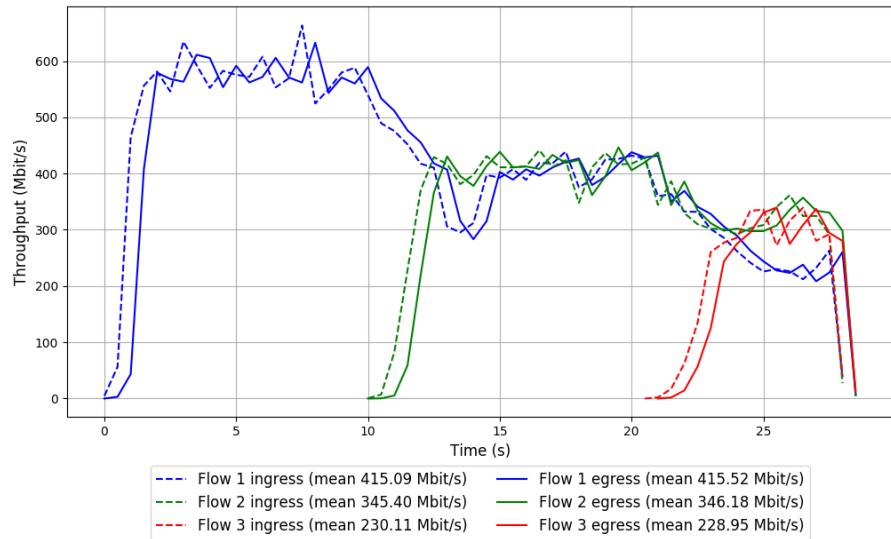


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-13 03:47:31
End at: 2019-07-13 03:48:01
Local clock offset: -0.072 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2019-07-13 06:43:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 690.98 Mbit/s
95th percentile per-packet one-way delay: 61.921 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 415.52 Mbit/s
95th percentile per-packet one-way delay: 61.758 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 346.18 Mbit/s
95th percentile per-packet one-way delay: 72.752 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 228.95 Mbit/s
95th percentile per-packet one-way delay: 51.015 ms
Loss rate: 1.84%
```

### Run 3: Report of Indigo-MusesC3 — Data Link

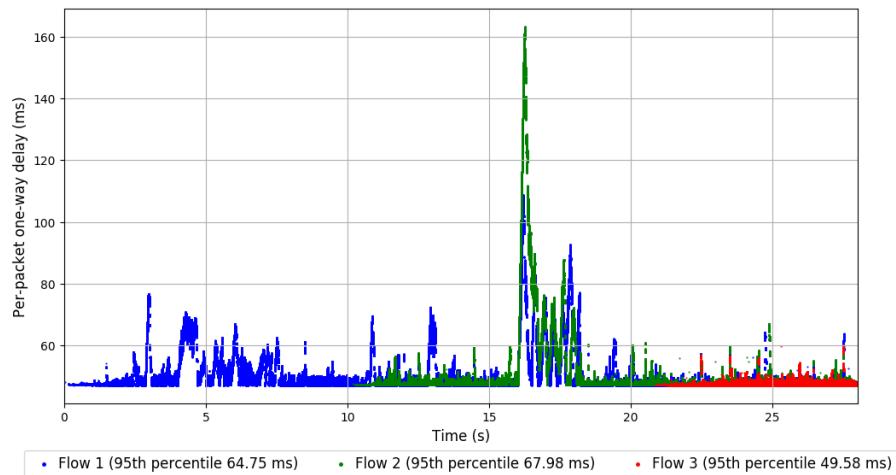
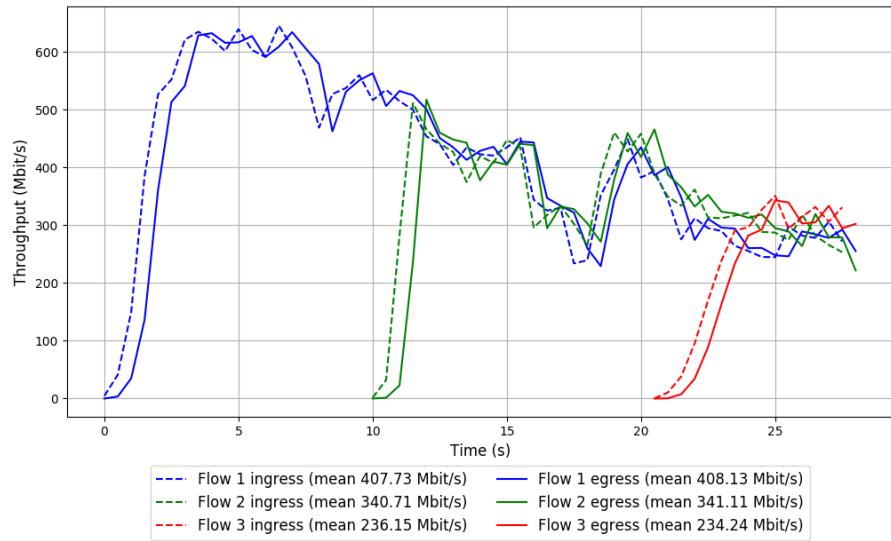


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-13 04:27:43
End at: 2019-07-13 04:28:13
Local clock offset: 0.052 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2019-07-13 06:44:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 684.95 Mbit/s
95th percentile per-packet one-way delay: 64.469 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 408.13 Mbit/s
95th percentile per-packet one-way delay: 64.749 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 341.11 Mbit/s
95th percentile per-packet one-way delay: 67.978 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 234.24 Mbit/s
95th percentile per-packet one-way delay: 49.579 ms
Loss rate: 2.12%
```

Run 4: Report of Indigo-MusesC3 — Data Link

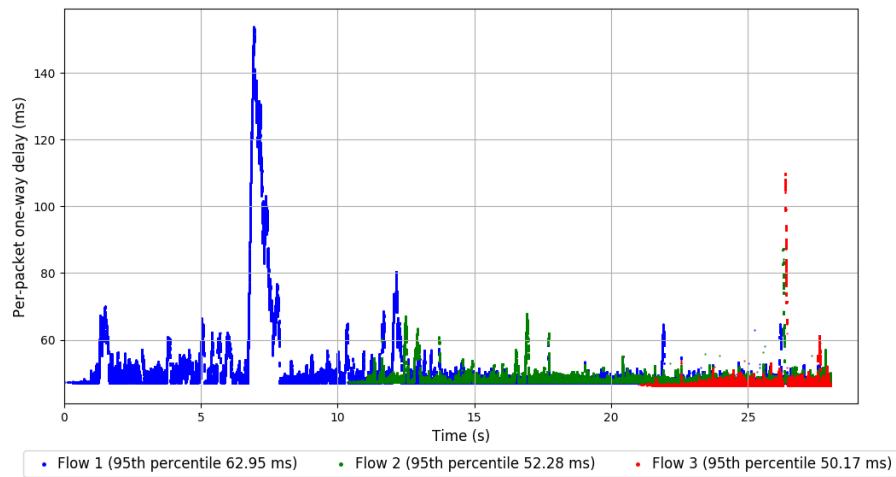
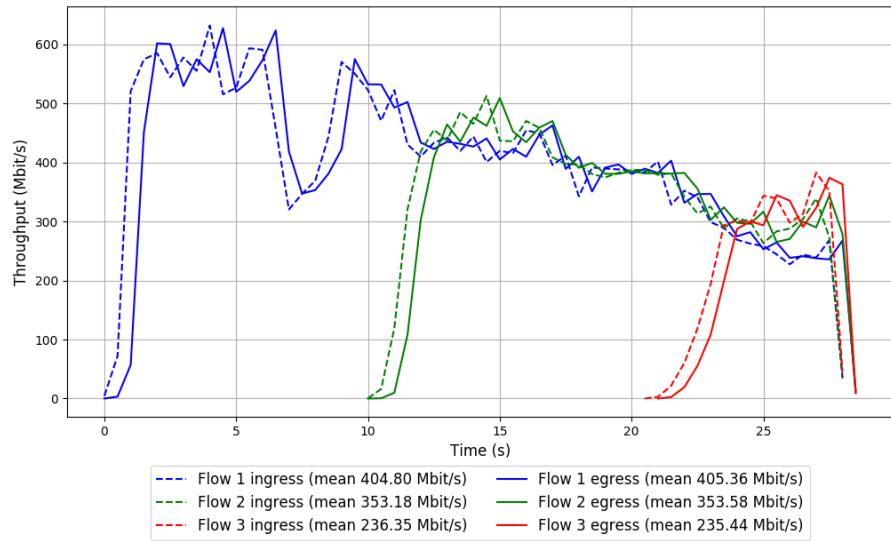


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-13 05:08:05
End at: 2019-07-13 05:08:35
Local clock offset: -0.079 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2019-07-13 06:45:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 688.11 Mbit/s
95th percentile per-packet one-way delay: 59.976 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 405.36 Mbit/s
95th percentile per-packet one-way delay: 62.954 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 353.58 Mbit/s
95th percentile per-packet one-way delay: 52.277 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 235.44 Mbit/s
95th percentile per-packet one-way delay: 50.166 ms
Loss rate: 1.71%
```

## Run 5: Report of Indigo-MusesC3 — Data Link

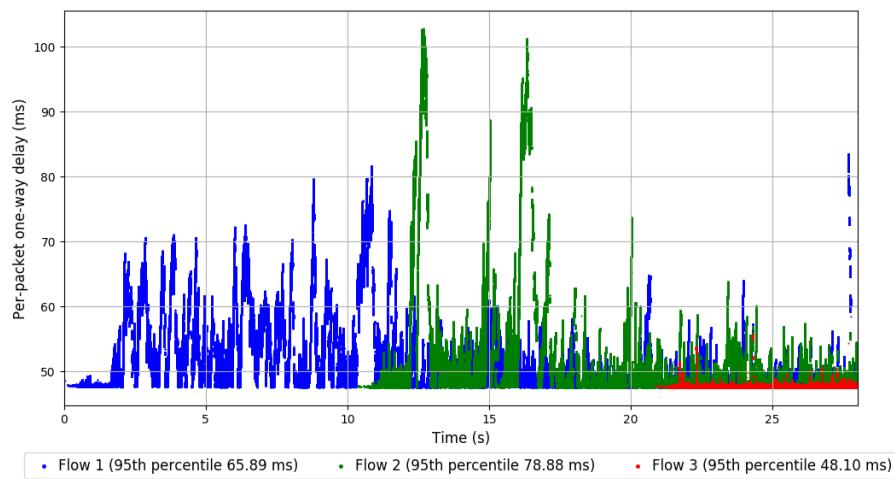
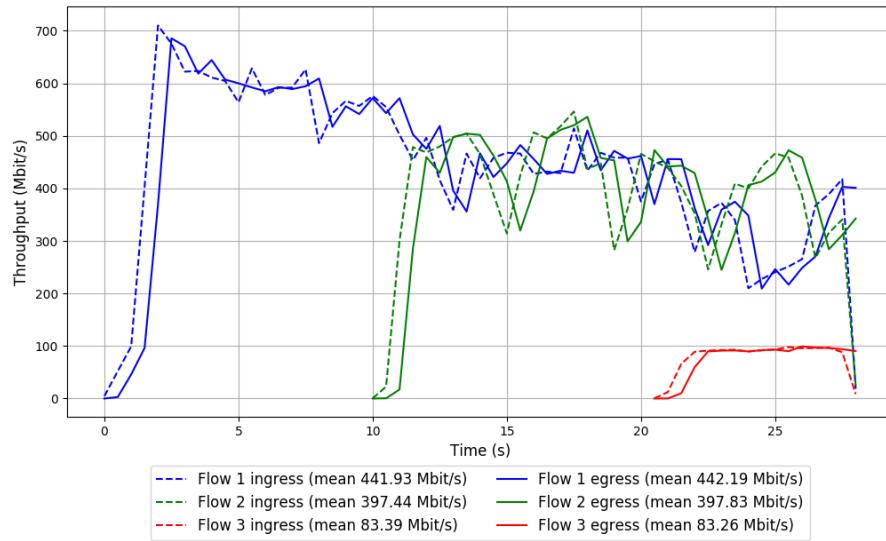


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 02:18:06
End at: 2019-07-13 02:18:36
Local clock offset: 0.425 ms
Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2019-07-13 06:45:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 715.28 Mbit/s
95th percentile per-packet one-way delay: 67.522 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 442.19 Mbit/s
95th percentile per-packet one-way delay: 65.889 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 397.83 Mbit/s
95th percentile per-packet one-way delay: 78.877 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 48.103 ms
Loss rate: 1.47%
```

Run 1: Report of Indigo-MusesC5 — Data Link

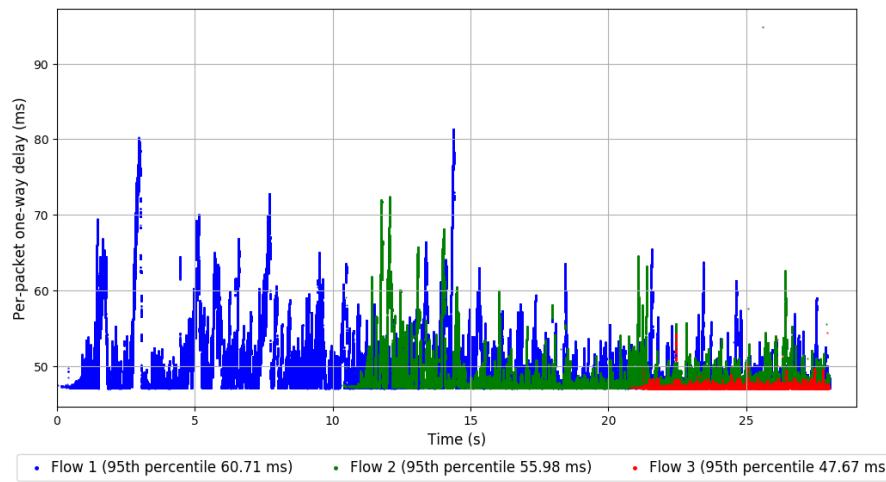
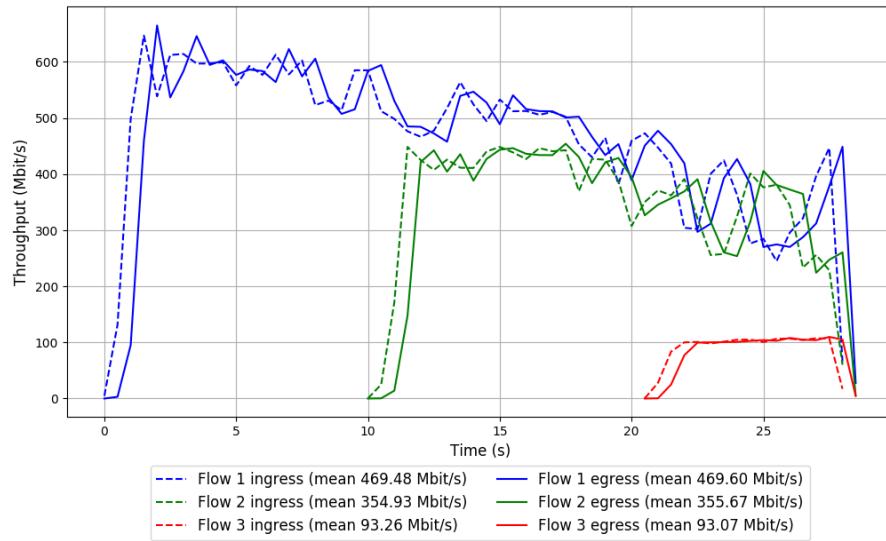


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 02:58:22
End at: 2019-07-13 02:58:52
Local clock offset: 0.044 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2019-07-13 06:46:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 718.59 Mbit/s
95th percentile per-packet one-way delay: 59.640 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 469.60 Mbit/s
95th percentile per-packet one-way delay: 60.709 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 355.67 Mbit/s
95th percentile per-packet one-way delay: 55.985 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 47.675 ms
Loss rate: 1.63%
```

Run 2: Report of Indigo-MusesC5 — Data Link

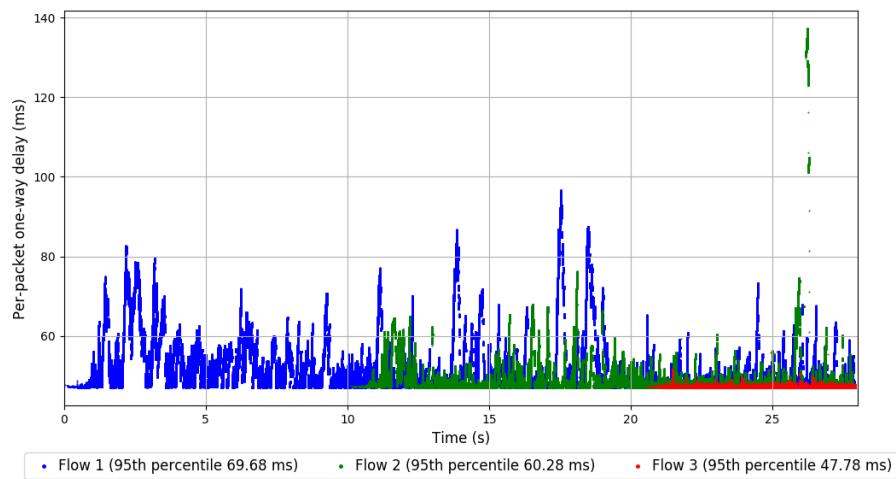
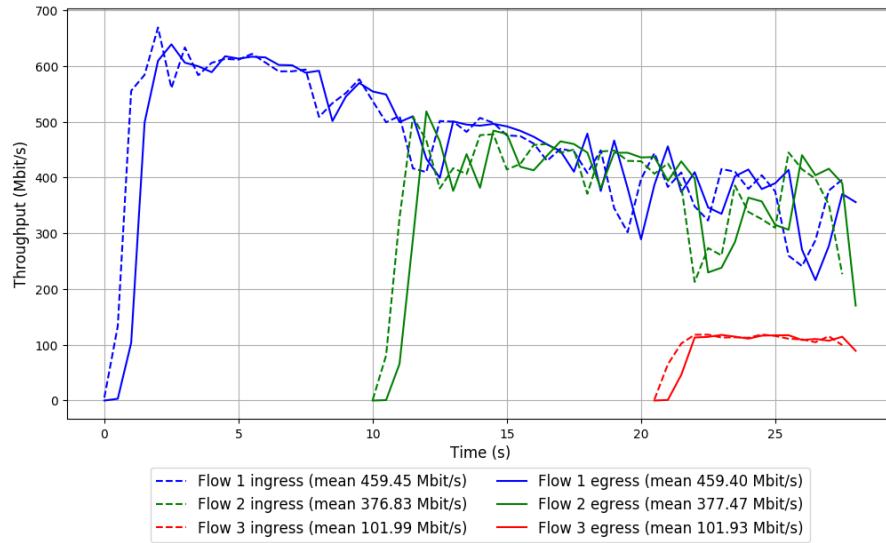


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 03:38:28
End at: 2019-07-13 03:38:58
Local clock offset: -0.062 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-07-13 06:46:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 727.17 Mbit/s
95th percentile per-packet one-way delay: 66.862 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 459.40 Mbit/s
95th percentile per-packet one-way delay: 69.681 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 377.47 Mbit/s
95th percentile per-packet one-way delay: 60.276 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 101.93 Mbit/s
95th percentile per-packet one-way delay: 47.779 ms
Loss rate: 1.34%
```

### Run 3: Report of Indigo-MusesC5 — Data Link

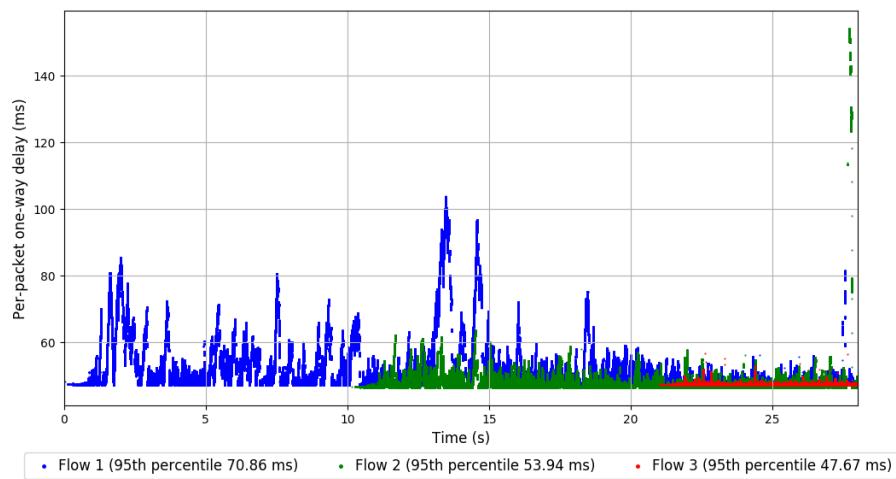
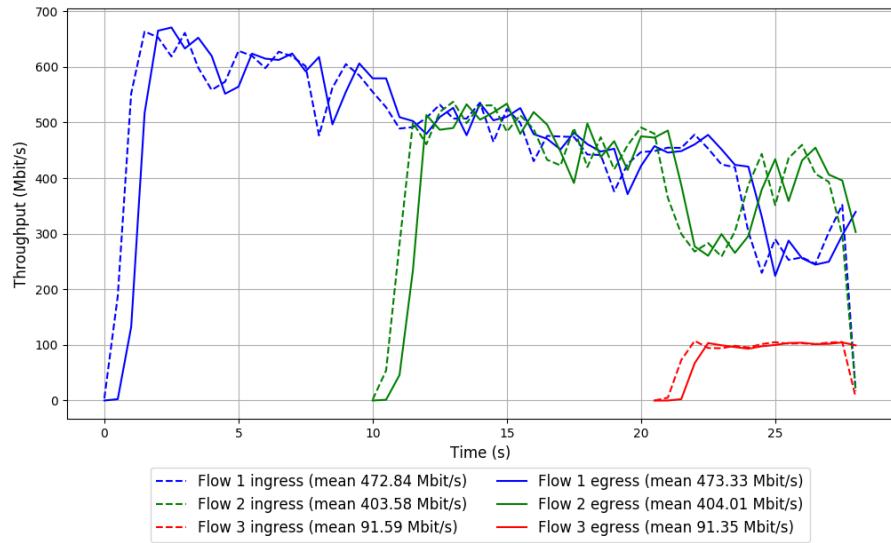


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 04:18:40
End at: 2019-07-13 04:19:10
Local clock offset: 0.003 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2019-07-13 06:47:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 753.81 Mbit/s
95th percentile per-packet one-way delay: 65.939 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 473.33 Mbit/s
95th percentile per-packet one-way delay: 70.862 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 404.01 Mbit/s
95th percentile per-packet one-way delay: 53.943 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 47.668 ms
Loss rate: 1.70%
```

Run 4: Report of Indigo-MusesC5 — Data Link

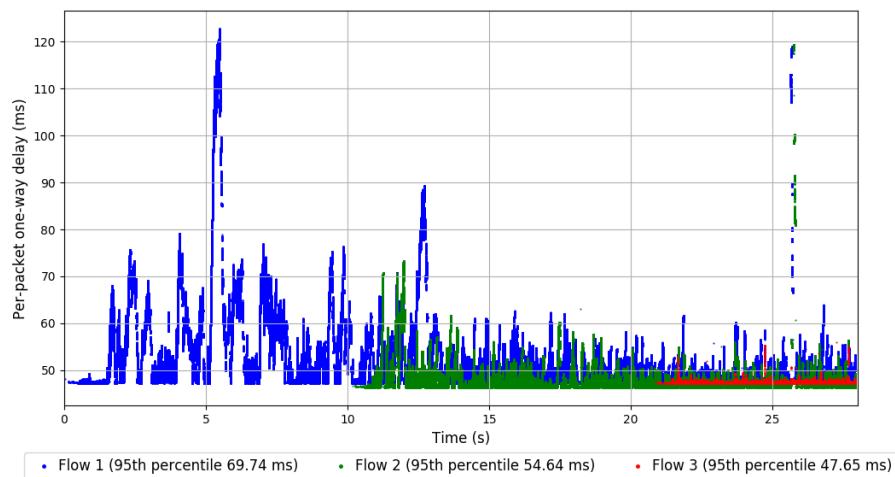
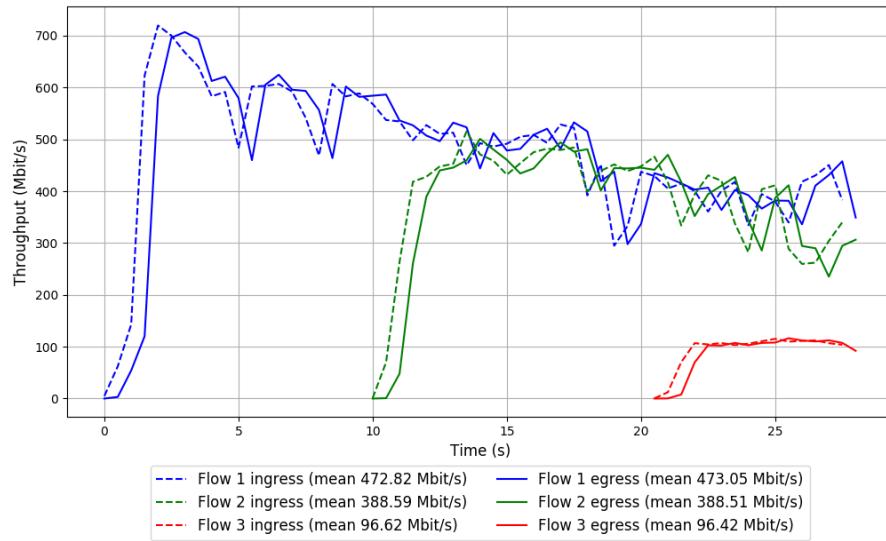


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-13 04:58:54
End at: 2019-07-13 04:59:24
Local clock offset: -0.075 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2019-07-13 06:47:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 744.65 Mbit/s
95th percentile per-packet one-way delay: 66.756 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 473.05 Mbit/s
95th percentile per-packet one-way delay: 69.738 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 388.51 Mbit/s
95th percentile per-packet one-way delay: 54.641 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 47.647 ms
Loss rate: 1.51%
```

Run 5: Report of Indigo-MusesC5 — Data Link

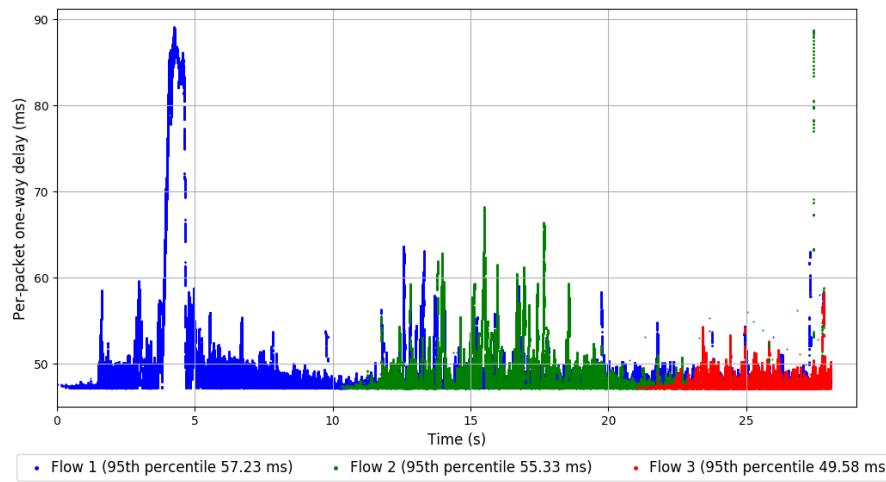
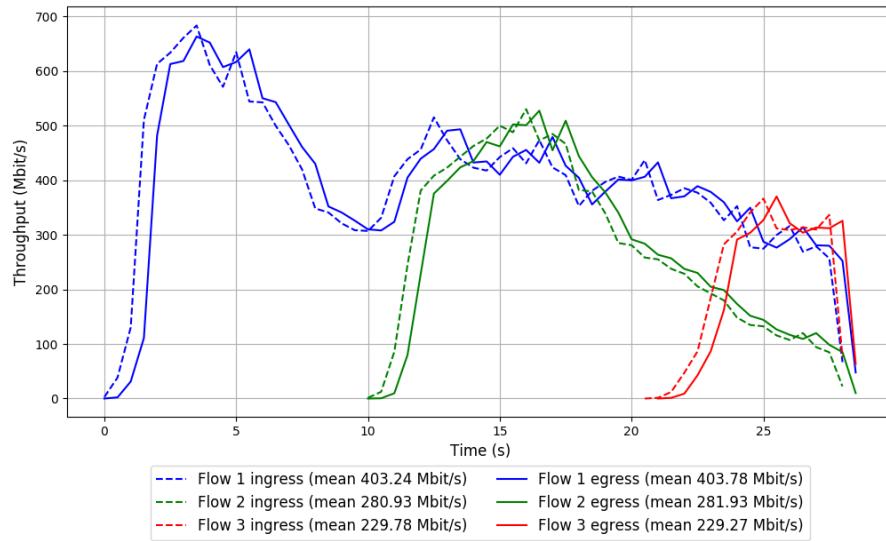


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 02:25:33
End at: 2019-07-13 02:26:03
Local clock offset: 0.042 ms
Remote clock offset: 0.137 ms

# Below is generated by plot.py at 2019-07-13 06:54:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.72 Mbit/s
95th percentile per-packet one-way delay: 55.737 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 403.78 Mbit/s
95th percentile per-packet one-way delay: 57.227 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 281.93 Mbit/s
95th percentile per-packet one-way delay: 55.331 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 229.27 Mbit/s
95th percentile per-packet one-way delay: 49.577 ms
Loss rate: 1.55%
```

## Run 1: Report of Indigo-MusesD — Data Link

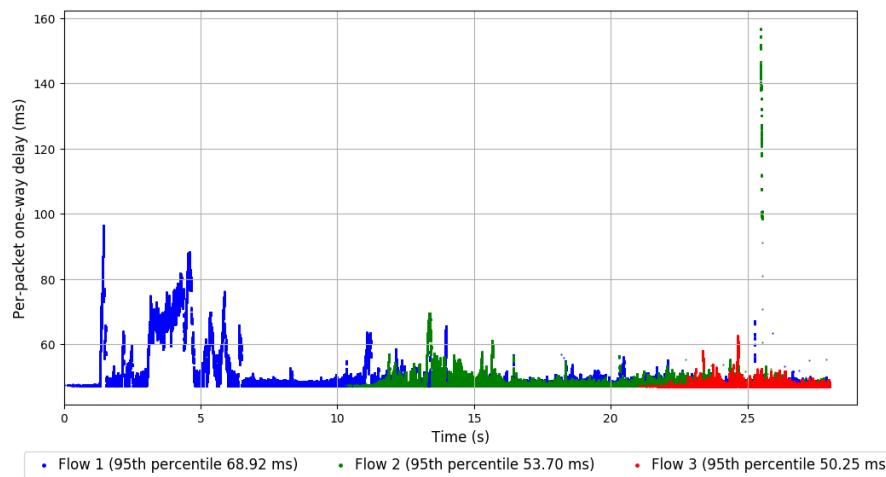
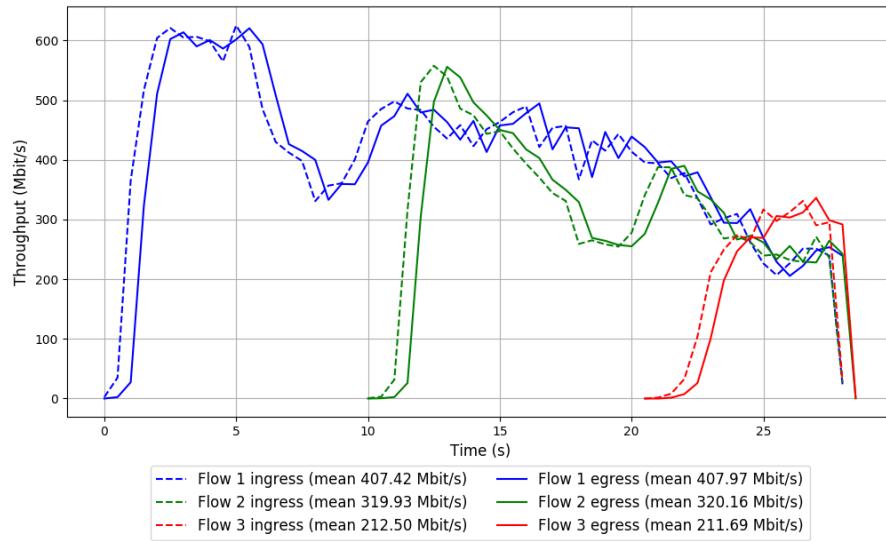


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 03:05:42
End at: 2019-07-13 03:06:12
Local clock offset: -0.004 ms
Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2019-07-13 06:56:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 663.74 Mbit/s
95th percentile per-packet one-way delay: 65.669 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 407.97 Mbit/s
95th percentile per-packet one-way delay: 68.918 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 320.16 Mbit/s
95th percentile per-packet one-way delay: 53.705 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 211.69 Mbit/s
95th percentile per-packet one-way delay: 50.253 ms
Loss rate: 1.71%
```

## Run 2: Report of Indigo-MusesD — Data Link

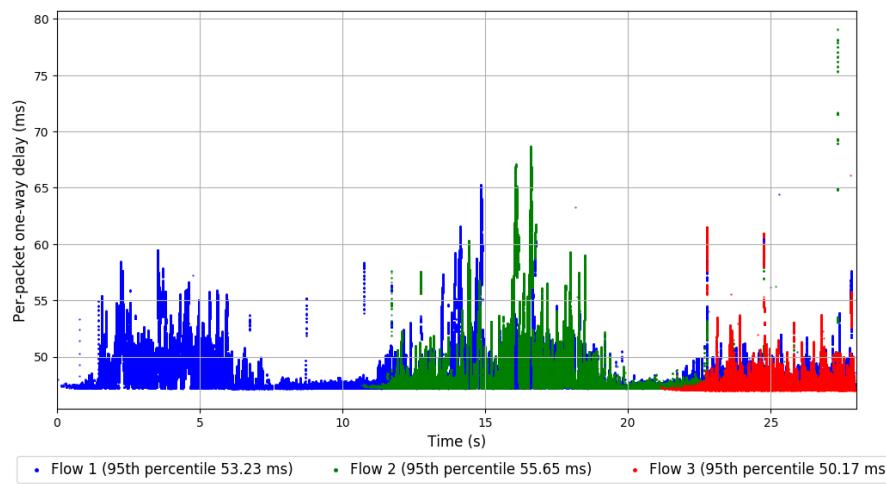
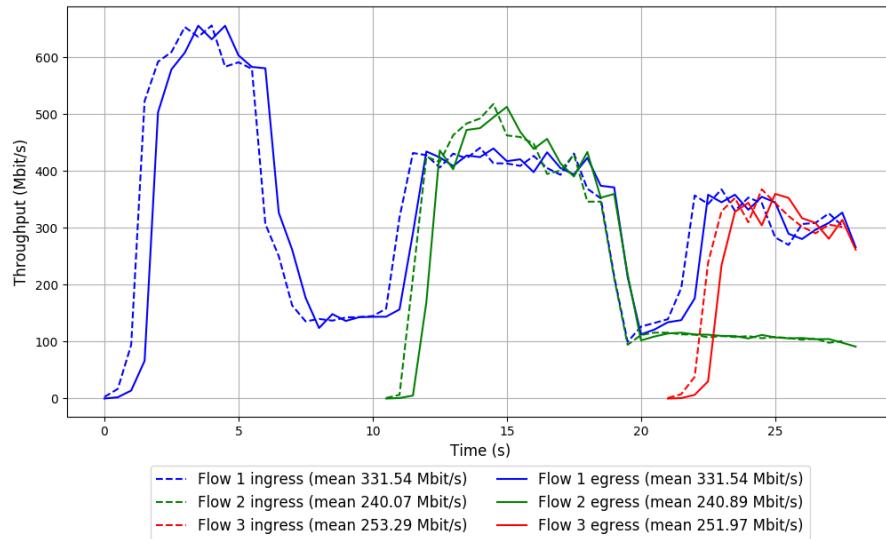


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 03:45:54
End at: 2019-07-13 03:46:24
Local clock offset: -0.062 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-07-13 06:56:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 542.58 Mbit/s
95th percentile per-packet one-way delay: 53.433 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 331.54 Mbit/s
95th percentile per-packet one-way delay: 53.234 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 240.89 Mbit/s
95th percentile per-packet one-way delay: 55.647 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 251.97 Mbit/s
95th percentile per-packet one-way delay: 50.168 ms
Loss rate: 1.88%
```

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

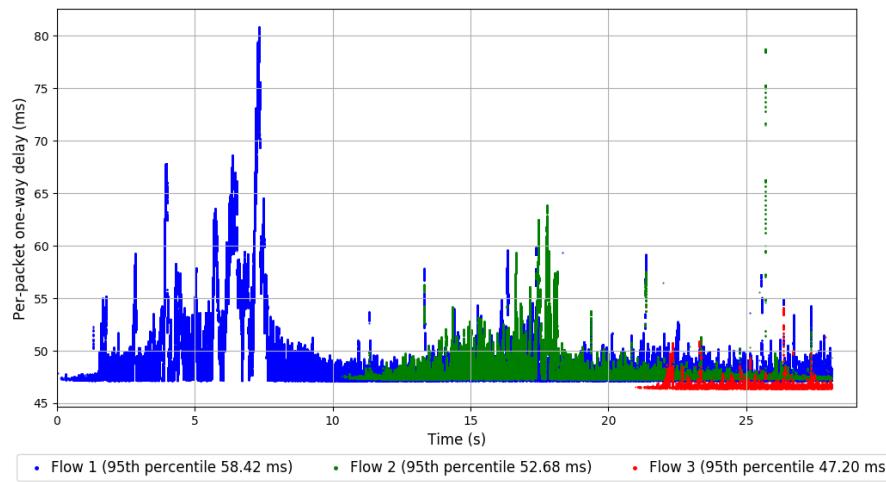
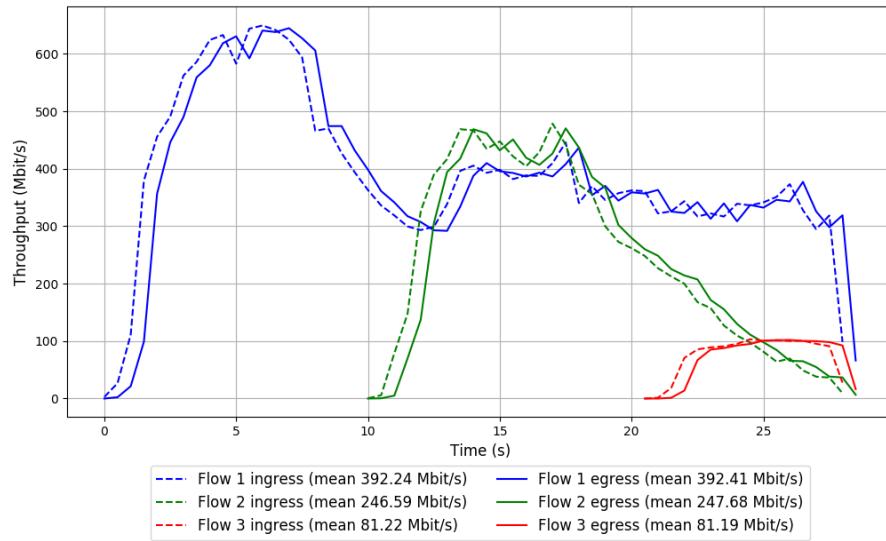


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 04:26:05
End at: 2019-07-13 04:26:35
Local clock offset: 0.02 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2019-07-13 06:56:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 569.94 Mbit/s
95th percentile per-packet one-way delay: 56.718 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 392.41 Mbit/s
95th percentile per-packet one-way delay: 58.422 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 247.68 Mbit/s
95th percentile per-packet one-way delay: 52.677 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 81.19 Mbit/s
95th percentile per-packet one-way delay: 47.198 ms
Loss rate: 1.49%
```

## Run 4: Report of Indigo-MusesD — Data Link

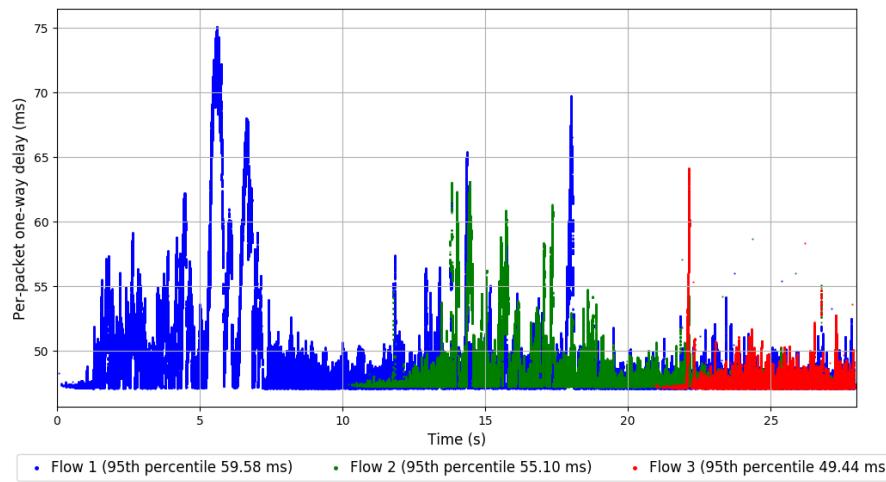
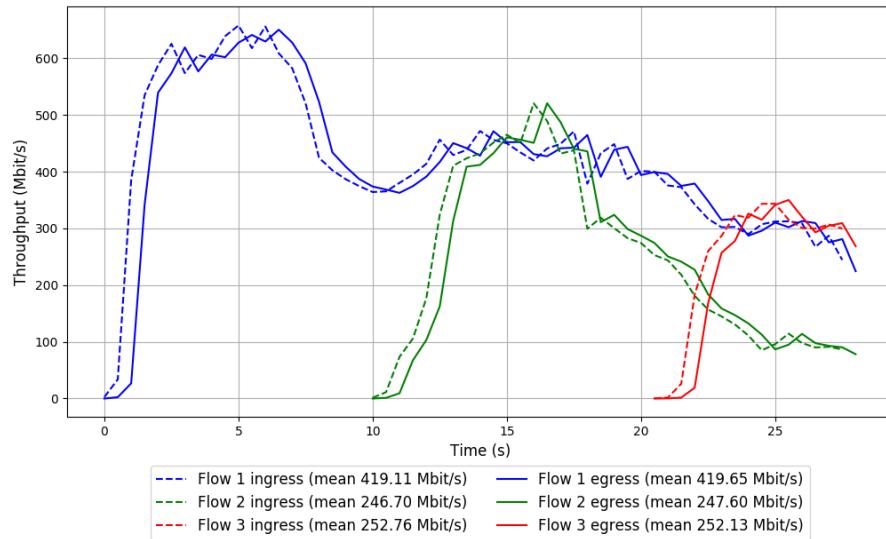


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-13 05:06:24
End at: 2019-07-13 05:06:54
Local clock offset: -0.06 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2019-07-13 06:57:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.62 Mbit/s
95th percentile per-packet one-way delay: 57.445 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 419.65 Mbit/s
95th percentile per-packet one-way delay: 59.583 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 247.60 Mbit/s
95th percentile per-packet one-way delay: 55.105 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 252.13 Mbit/s
95th percentile per-packet one-way delay: 49.437 ms
Loss rate: 1.58%
```

## Run 5: Report of Indigo-MusesD — Data Link

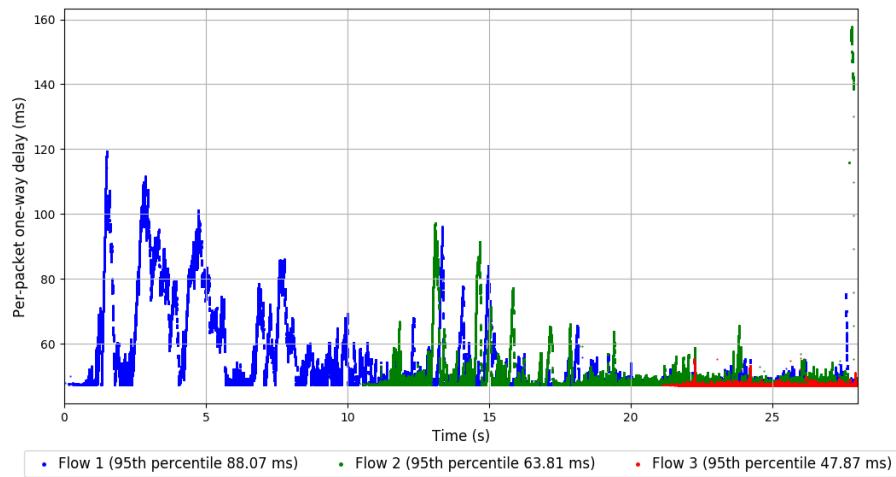
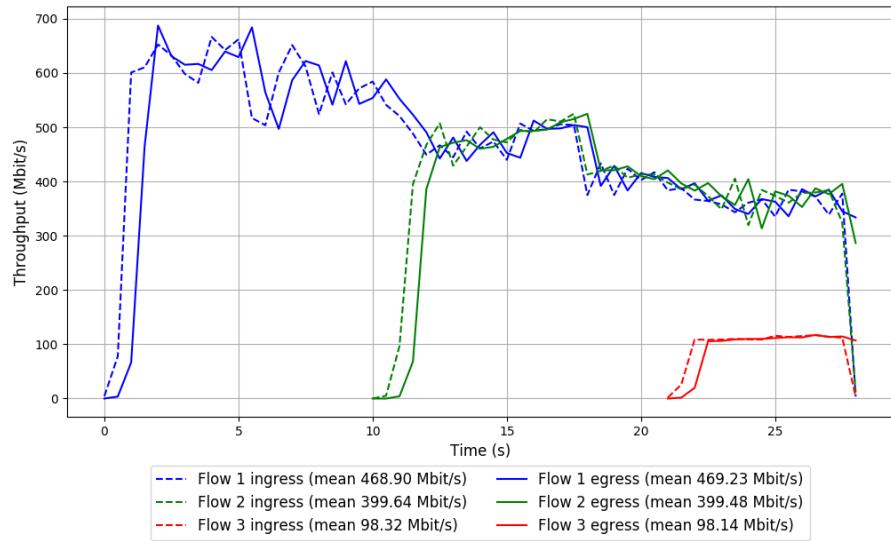


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 02:08:42
End at: 2019-07-13 02:09:12
Local clock offset: 0.064 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2019-07-13 07:00:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 743.87 Mbit/s
95th percentile per-packet one-way delay: 83.043 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 469.23 Mbit/s
95th percentile per-packet one-way delay: 88.067 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 399.48 Mbit/s
95th percentile per-packet one-way delay: 63.813 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 98.14 Mbit/s
95th percentile per-packet one-way delay: 47.865 ms
Loss rate: 1.48%
```

Run 1: Report of Indigo-MusesT — Data Link

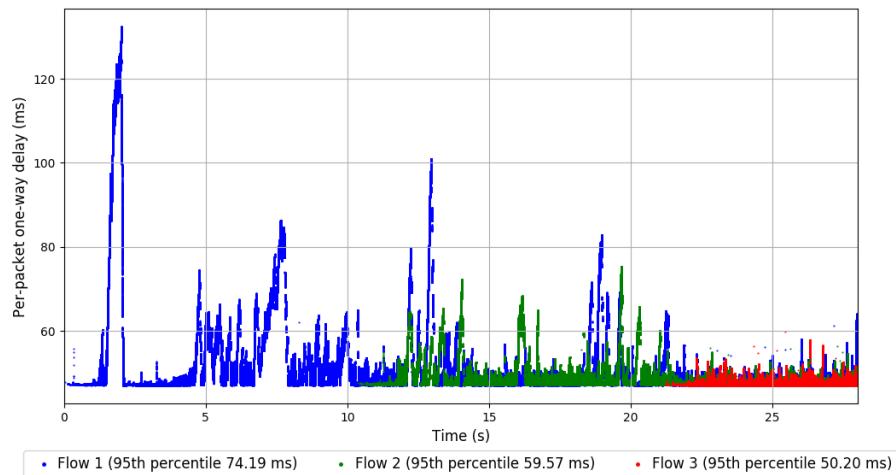
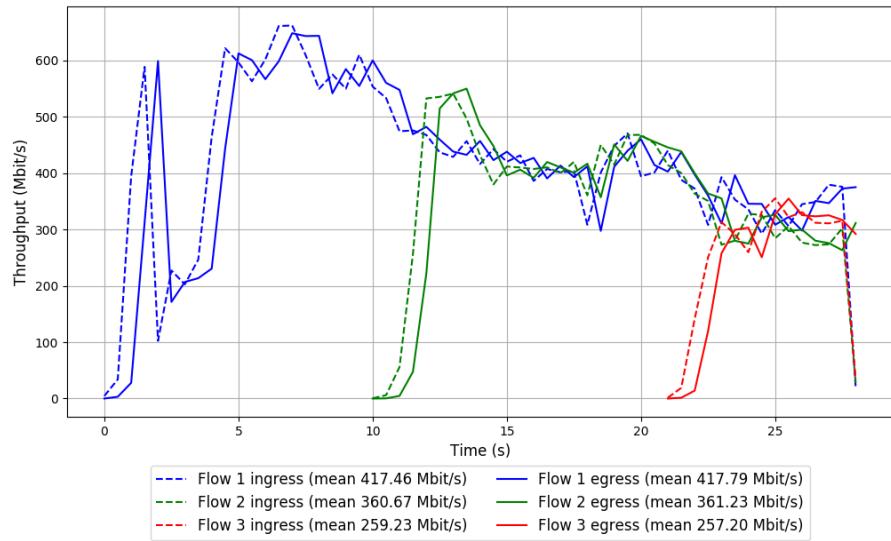


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 02:48:50
End at: 2019-07-13 02:49:20
Local clock offset: -0.003 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2019-07-13 07:00:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 708.49 Mbit/s
95th percentile per-packet one-way delay: 66.233 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 417.79 Mbit/s
95th percentile per-packet one-way delay: 74.192 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 361.23 Mbit/s
95th percentile per-packet one-way delay: 59.566 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 257.20 Mbit/s
95th percentile per-packet one-way delay: 50.197 ms
Loss rate: 2.15%
```

## Run 2: Report of Indigo-MusesT — Data Link

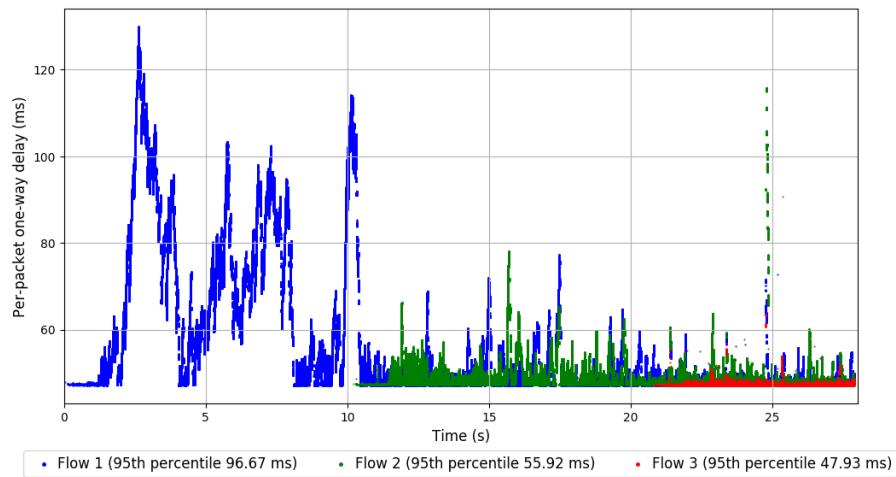
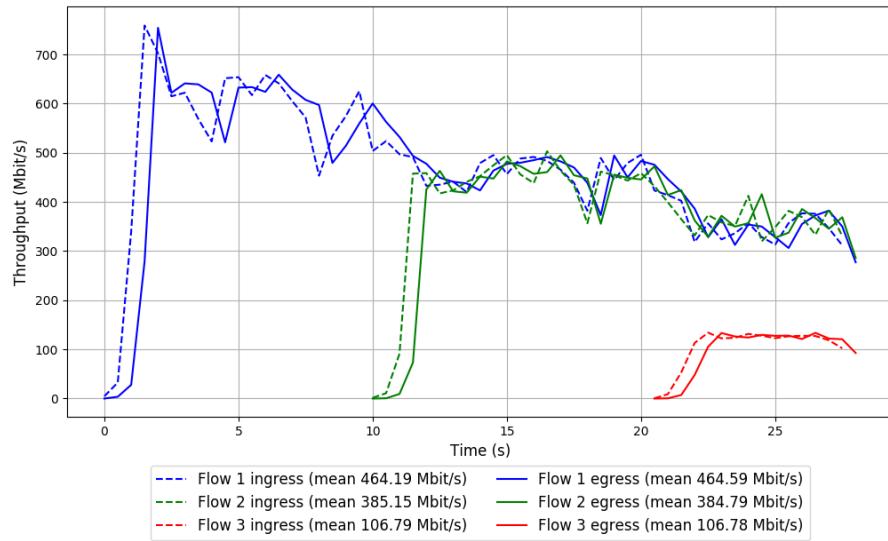


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 03:29:12
End at: 2019-07-13 03:29:42
Local clock offset: -0.084 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-07-13 07:01:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 736.14 Mbit/s
95th percentile per-packet one-way delay: 91.479 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 464.59 Mbit/s
95th percentile per-packet one-way delay: 96.668 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 384.79 Mbit/s
95th percentile per-packet one-way delay: 55.923 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 106.78 Mbit/s
95th percentile per-packet one-way delay: 47.932 ms
Loss rate: 1.32%
```

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

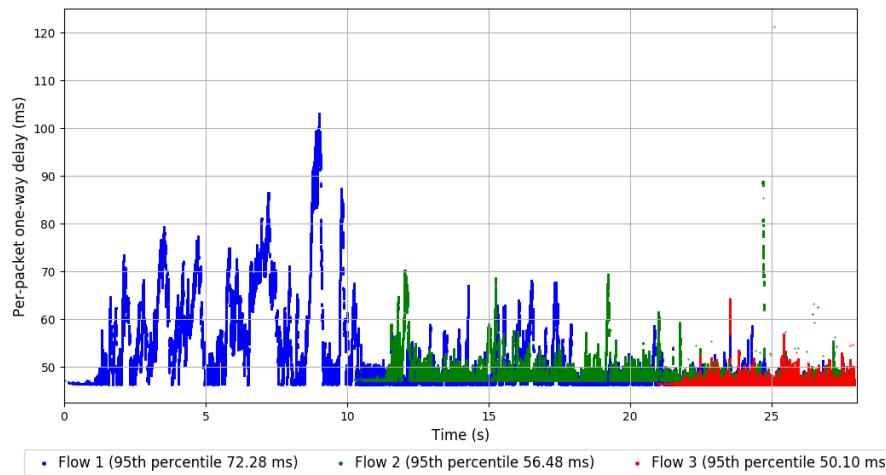
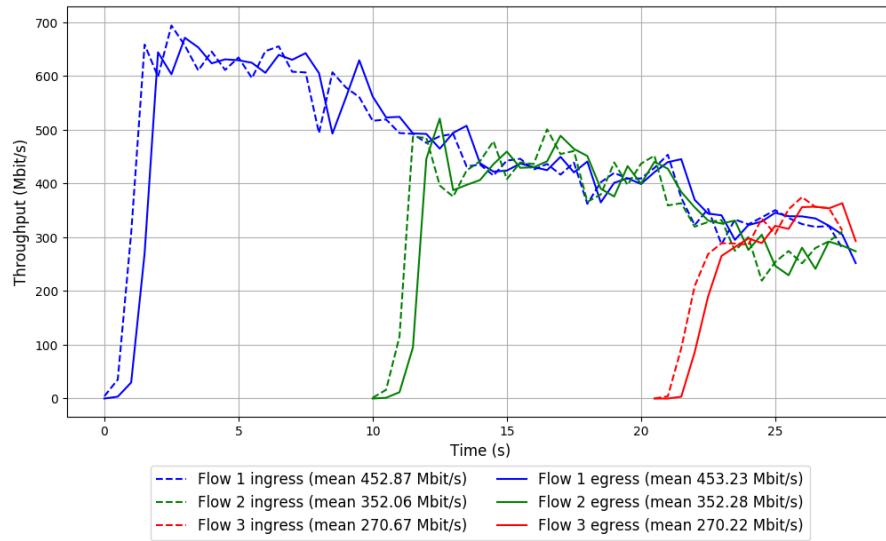


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 04:09:15
End at: 2019-07-13 04:09:45
Local clock offset: -0.027 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2019-07-13 07:06:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 745.08 Mbit/s
95th percentile per-packet one-way delay: 69.026 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 453.23 Mbit/s
95th percentile per-packet one-way delay: 72.285 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 352.28 Mbit/s
95th percentile per-packet one-way delay: 56.477 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 270.22 Mbit/s
95th percentile per-packet one-way delay: 50.097 ms
Loss rate: 1.50%
```

## Run 4: Report of Indigo-MusesT — Data Link

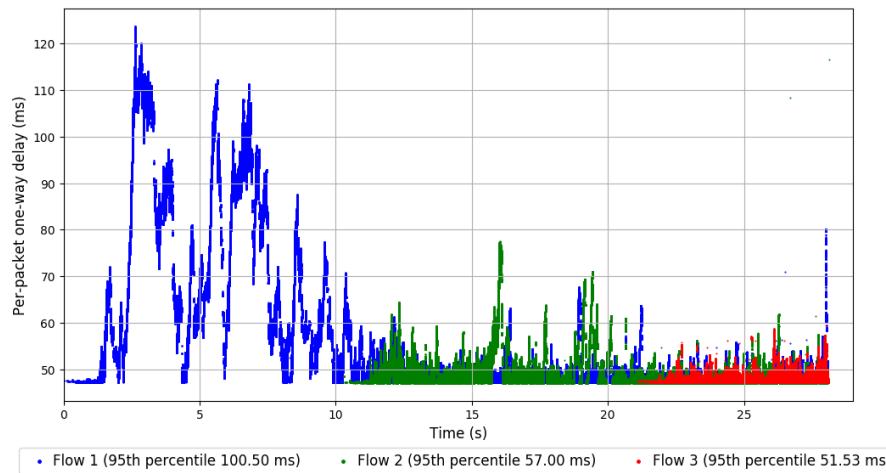
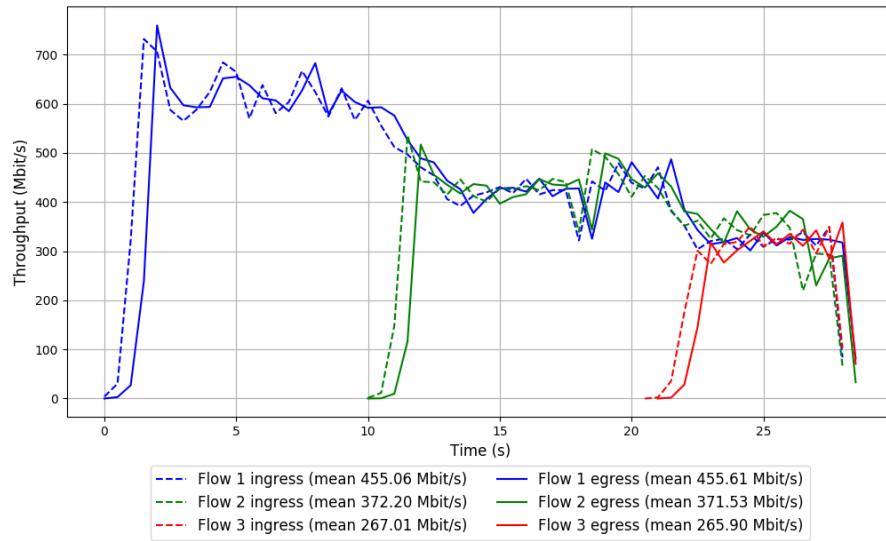


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-13 04:49:27
End at: 2019-07-13 04:49:57
Local clock offset: -0.01 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2019-07-13 07:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 758.72 Mbit/s
95th percentile per-packet one-way delay: 91.192 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 455.61 Mbit/s
95th percentile per-packet one-way delay: 100.500 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 371.53 Mbit/s
95th percentile per-packet one-way delay: 56.996 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 265.90 Mbit/s
95th percentile per-packet one-way delay: 51.534 ms
Loss rate: 1.74%
```

Run 5: Report of Indigo-MusesT — Data Link

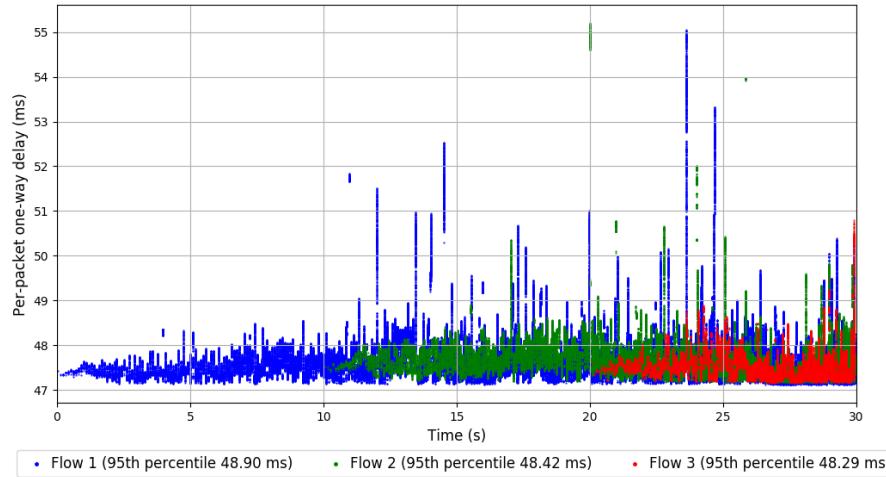
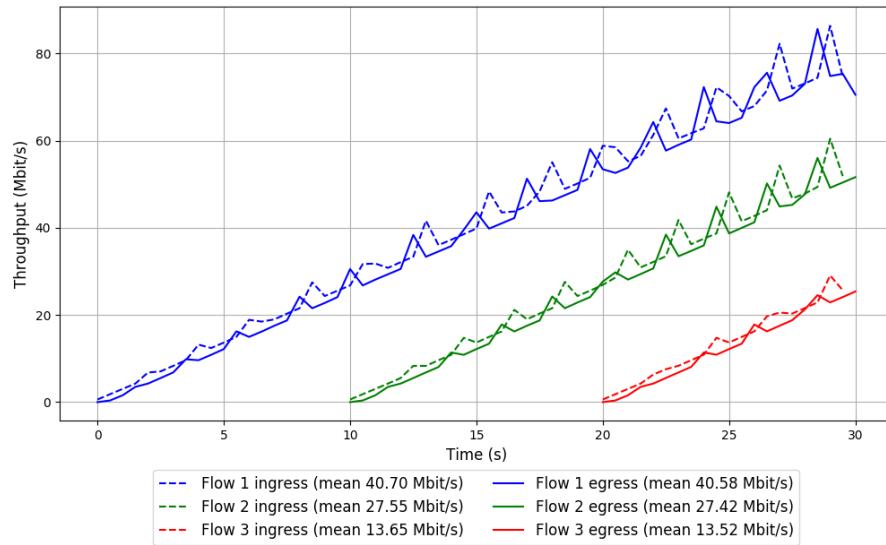


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-13 02:07:24
End at: 2019-07-13 02:07:54
Local clock offset: 0.031 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2019-07-13 07:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 48.667 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 48.896 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 48.425 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 48.292 ms
Loss rate: 1.93%
```

Run 1: Report of LEDBAT — Data Link

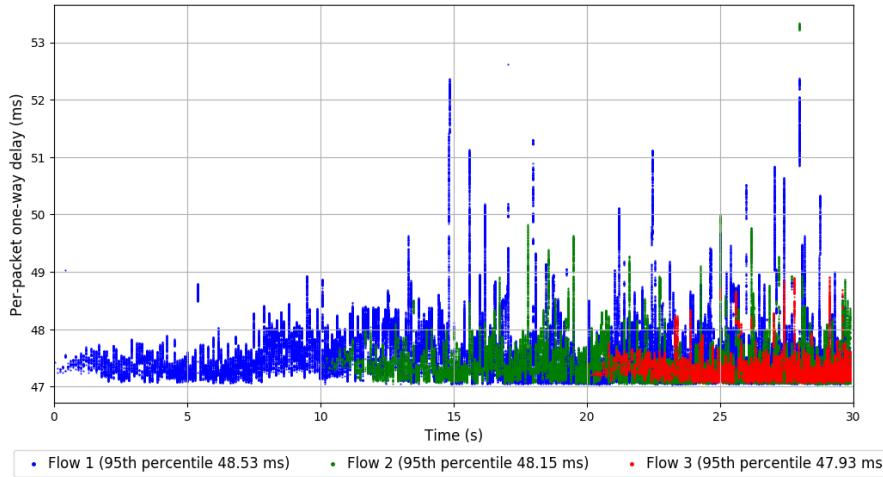
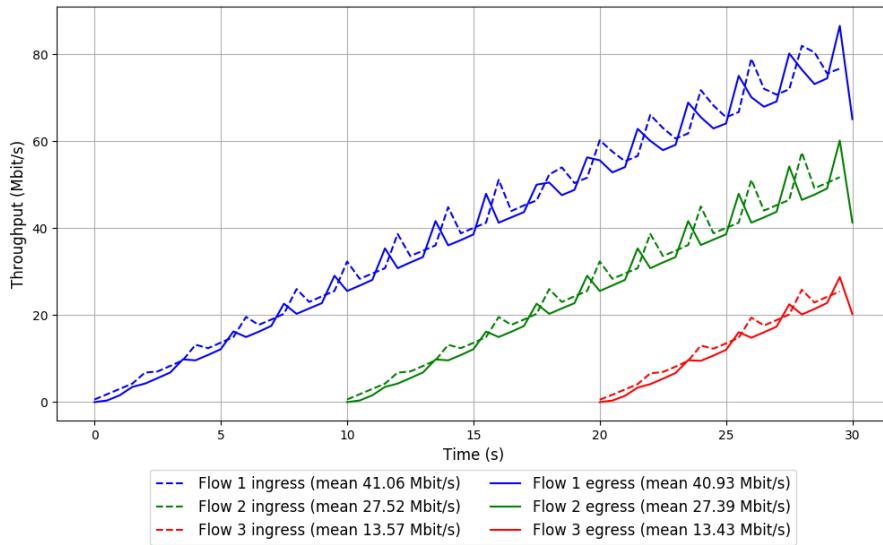


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-13 02:47:32
End at: 2019-07-13 02:48:02
Local clock offset: 0.015 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2019-07-13 07:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.55 Mbit/s
95th percentile per-packet one-way delay: 48.377 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 48.531 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 27.39 Mbit/s
95th percentile per-packet one-way delay: 48.150 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 13.43 Mbit/s
95th percentile per-packet one-way delay: 47.931 ms
Loss rate: 1.93%
```

Run 2: Report of LEDBAT — Data Link

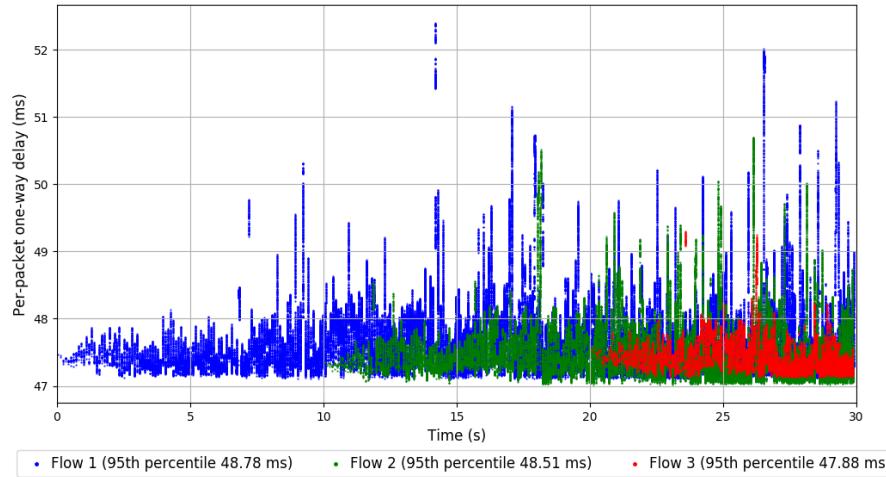
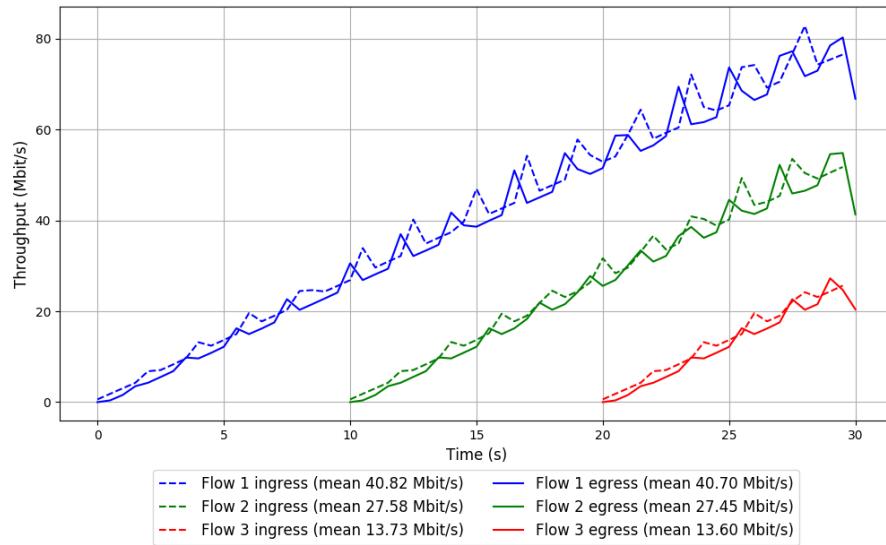


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-13 03:27:55
End at: 2019-07-13 03:28:25
Local clock offset: -0.069 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2019-07-13 07:08:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.38 Mbit/s
95th percentile per-packet one-way delay: 48.664 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 48.783 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 48.505 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 47.877 ms
Loss rate: 1.93%
```

Run 3: Report of LEDBAT — Data Link

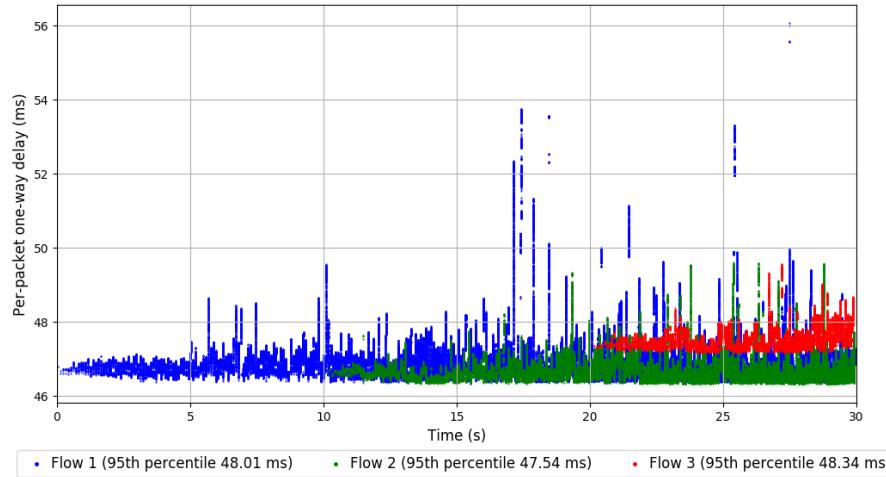
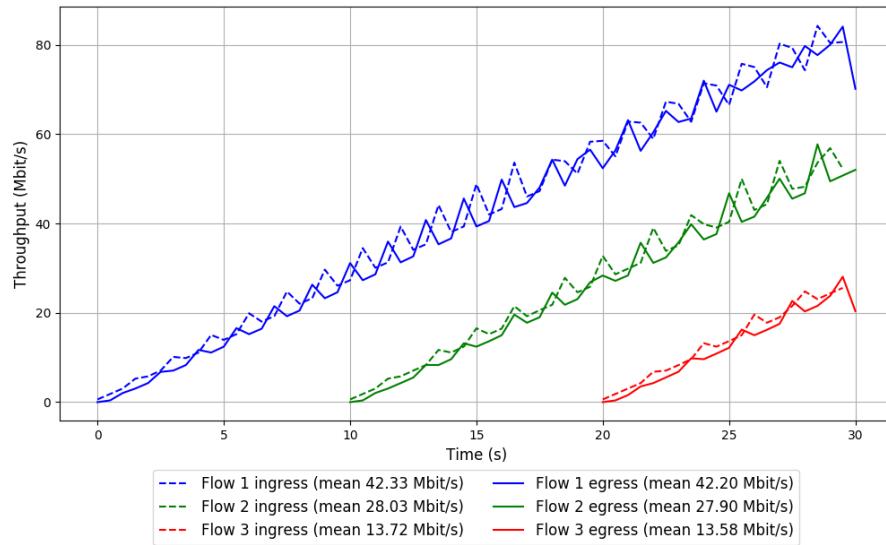


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-13 04:07:57
End at: 2019-07-13 04:08:27
Local clock offset: -0.036 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2019-07-13 07:08:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.19 Mbit/s
95th percentile per-packet one-way delay: 47.992 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 48.014 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 47.540 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 48.336 ms
Loss rate: 1.92%
```

Run 4: Report of LEDBAT — Data Link

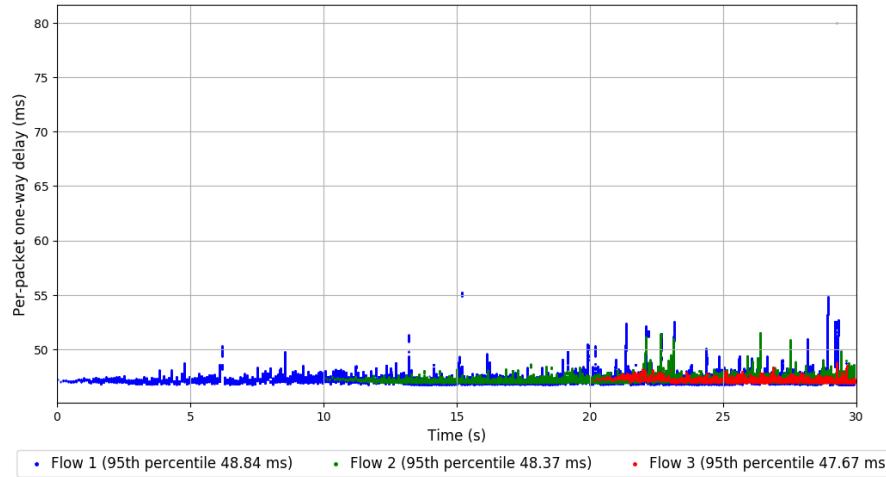
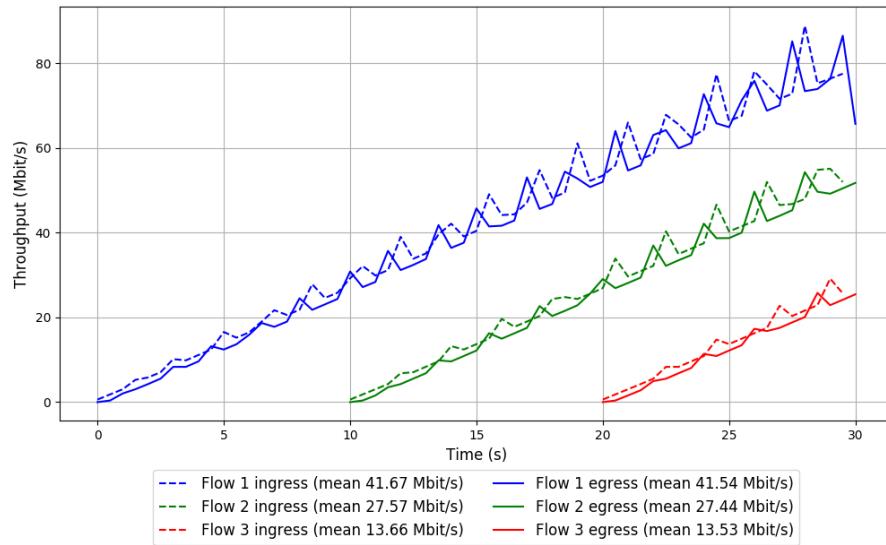


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-13 04:48:09
End at: 2019-07-13 04:48:39
Local clock offset: -0.344 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2019-07-13 07:08:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 48.591 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 48.844 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 48.368 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 47.670 ms
Loss rate: 1.92%
```

Run 5: Report of LEDBAT — Data Link

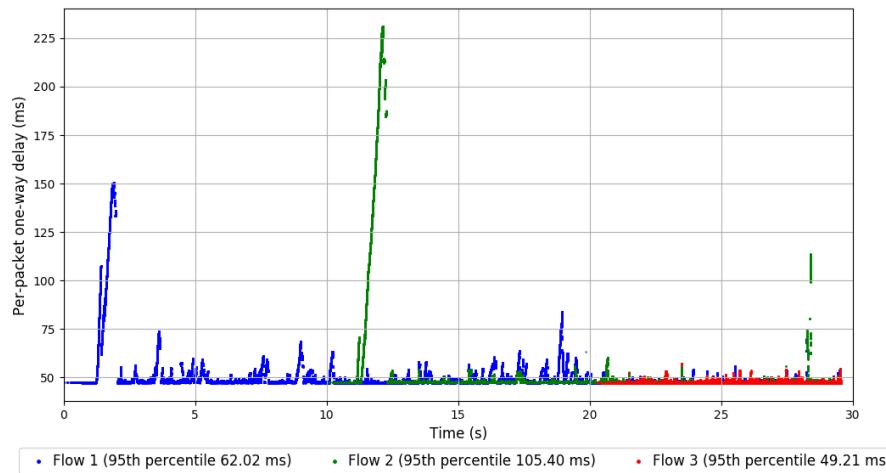
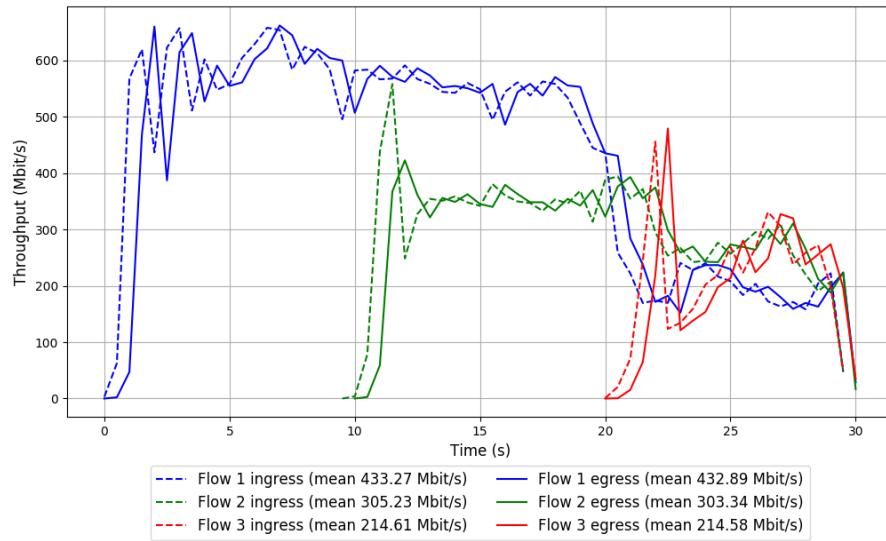


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 02:19:50
End at: 2019-07-13 02:20:20
Local clock offset: 0.057 ms
Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2019-07-13 07:12:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 701.55 Mbit/s
95th percentile per-packet one-way delay: 62.132 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 432.89 Mbit/s
95th percentile per-packet one-way delay: 62.021 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 303.34 Mbit/s
95th percentile per-packet one-way delay: 105.401 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 214.58 Mbit/s
95th percentile per-packet one-way delay: 49.211 ms
Loss rate: 1.03%
```

Run 1: Report of Muses\_DecisionTree — Data Link

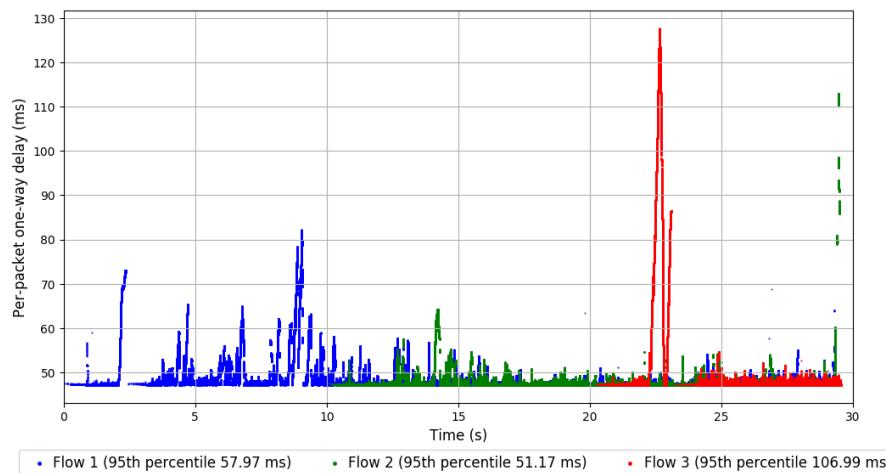
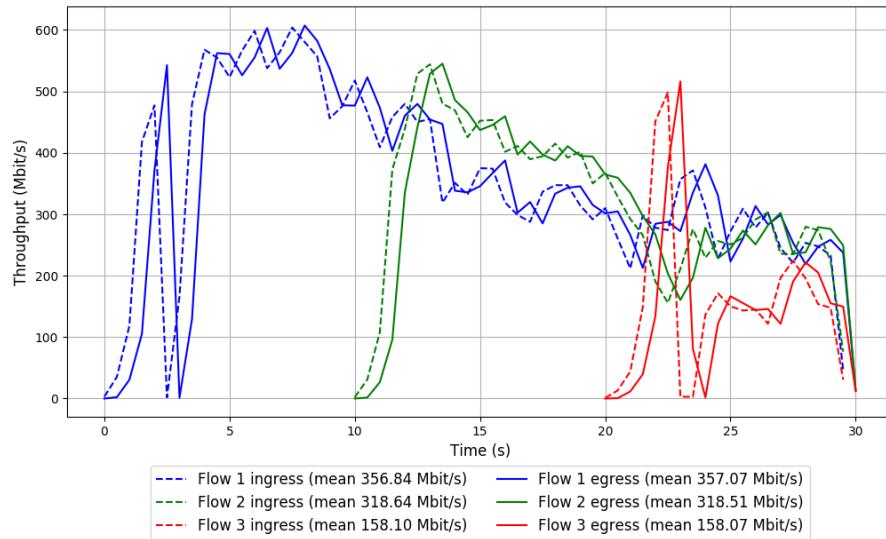


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 03:00:08
End at: 2019-07-13 03:00:38
Local clock offset: 0.013 ms
Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2019-07-13 07:12:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 617.12 Mbit/s
95th percentile per-packet one-way delay: 58.380 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 357.07 Mbit/s
95th percentile per-packet one-way delay: 57.966 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 318.51 Mbit/s
95th percentile per-packet one-way delay: 51.174 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 158.07 Mbit/s
95th percentile per-packet one-way delay: 106.992 ms
Loss rate: 0.96%
```

Run 2: Report of Muses\_DecisionTree — Data Link

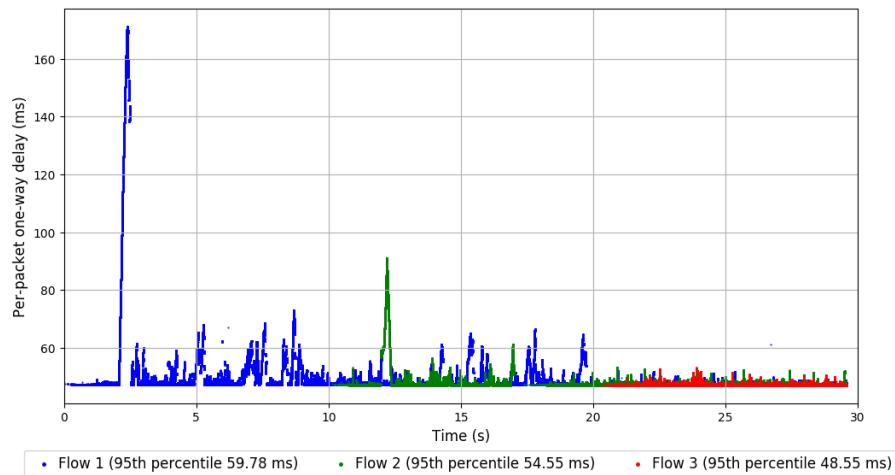
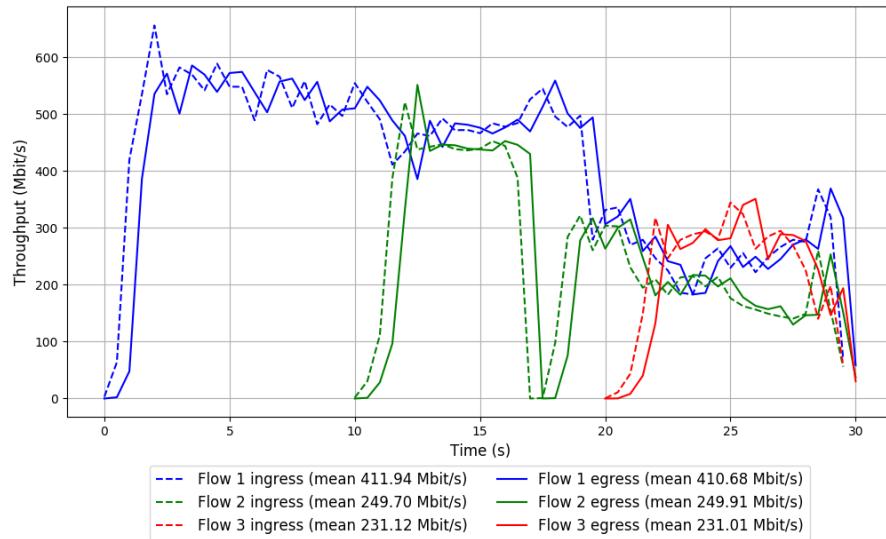


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 03:40:13
End at: 2019-07-13 03:40:43
Local clock offset: -0.04 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2019-07-13 07:12:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 647.45 Mbit/s
95th percentile per-packet one-way delay: 58.318 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 410.68 Mbit/s
95th percentile per-packet one-way delay: 59.784 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 249.91 Mbit/s
95th percentile per-packet one-way delay: 54.545 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 231.01 Mbit/s
95th percentile per-packet one-way delay: 48.550 ms
Loss rate: 1.06%
```

Run 3: Report of Muses\_DecisionTree — Data Link

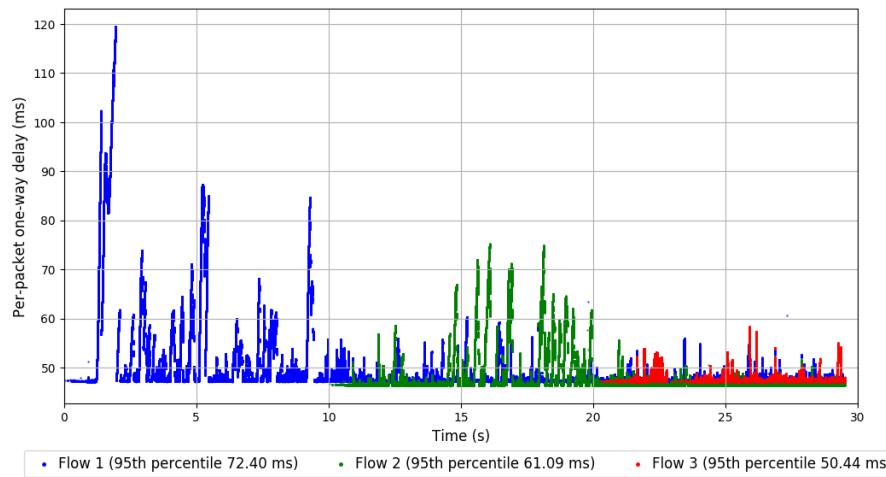
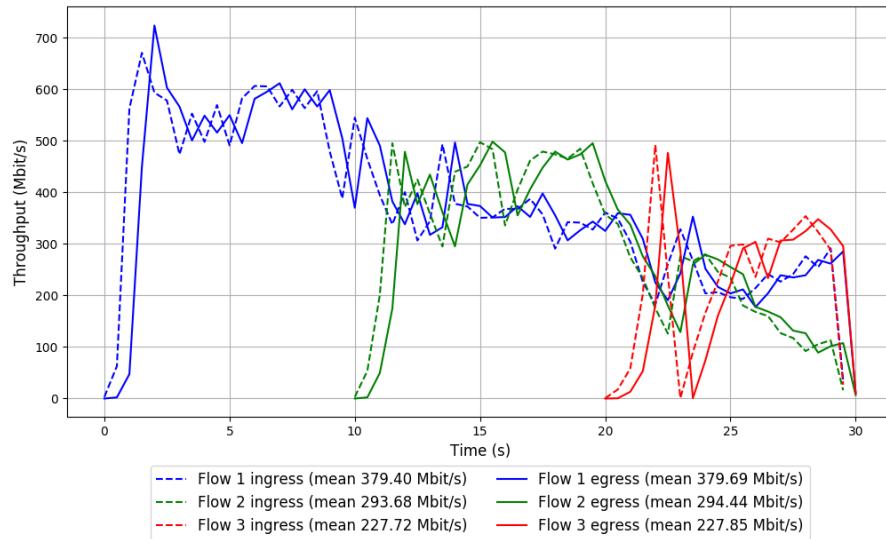


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 04:20:27
End at: 2019-07-13 04:20:57
Local clock offset: 0.041 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-07-13 07:12:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 645.79 Mbit/s
95th percentile per-packet one-way delay: 64.164 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 379.69 Mbit/s
95th percentile per-packet one-way delay: 72.399 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 294.44 Mbit/s
95th percentile per-packet one-way delay: 61.092 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 227.85 Mbit/s
95th percentile per-packet one-way delay: 50.436 ms
Loss rate: 0.97%
```

Run 4: Report of Muses\_DecisionTree — Data Link

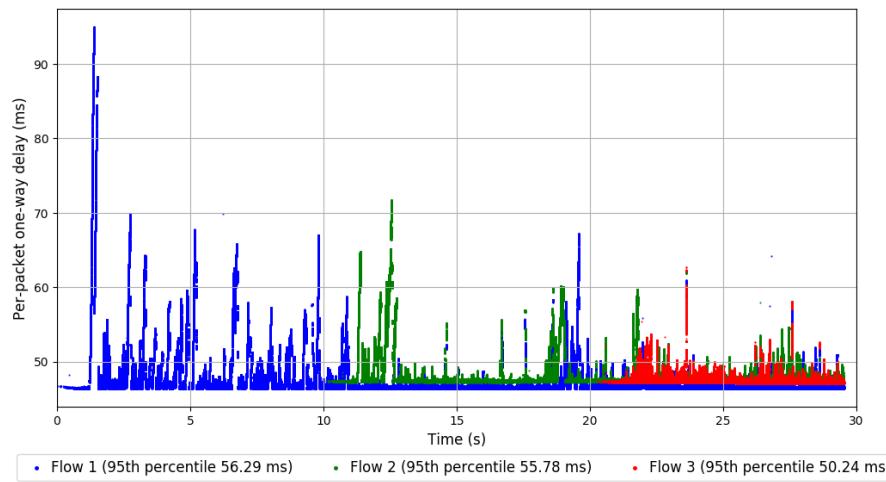
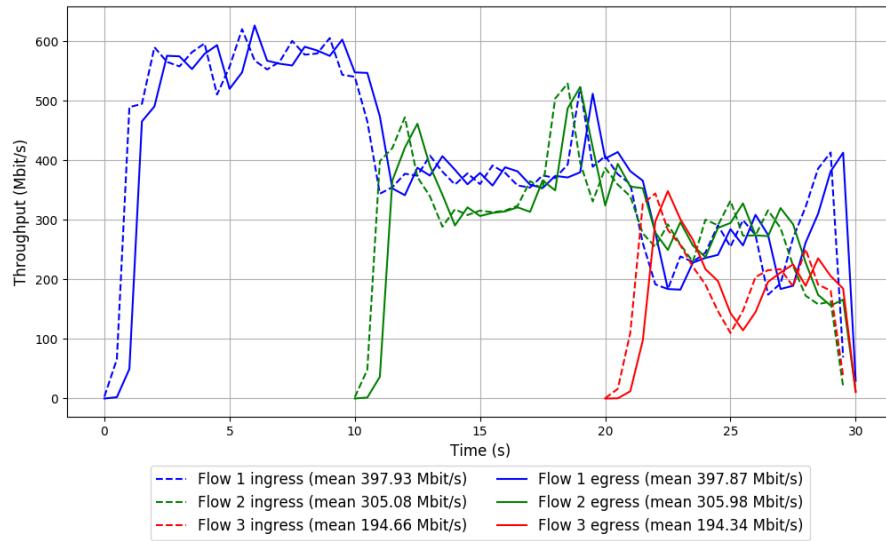


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-07-13 05:00:40
End at: 2019-07-13 05:01:10
Local clock offset: -0.05 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2019-07-13 07:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 660.69 Mbit/s
95th percentile per-packet one-way delay: 55.625 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 397.87 Mbit/s
95th percentile per-packet one-way delay: 56.287 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 305.98 Mbit/s
95th percentile per-packet one-way delay: 55.776 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 194.34 Mbit/s
95th percentile per-packet one-way delay: 50.244 ms
Loss rate: 1.17%
```

Run 5: Report of Muses\_DecisionTree — Data Link

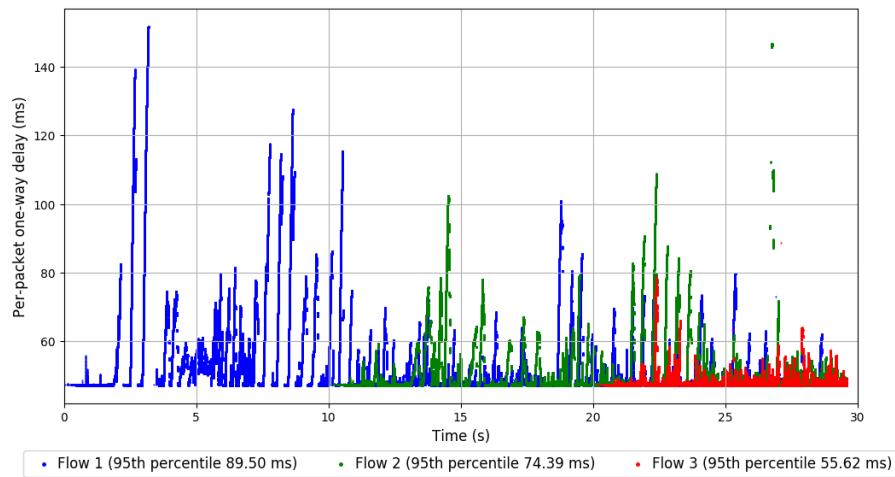
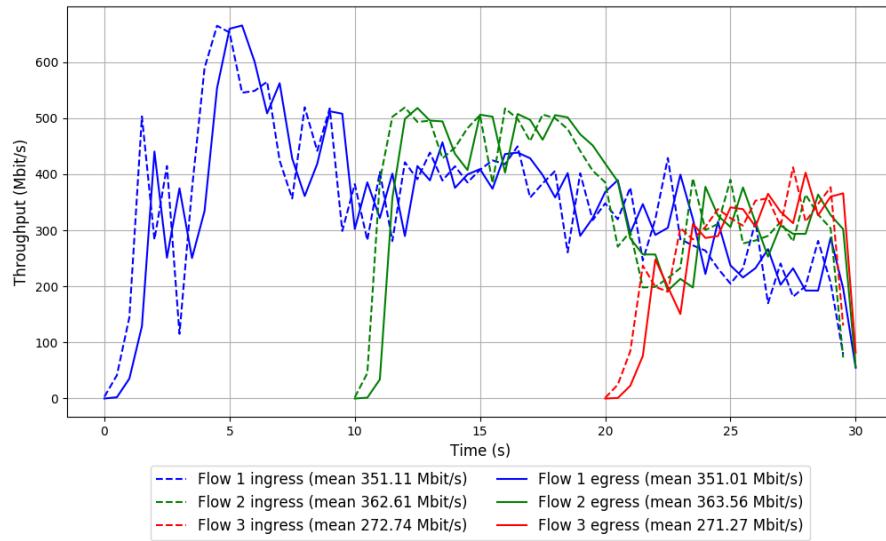


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 02:05:39
End at: 2019-07-13 02:06:09
Local clock offset: 0.041 ms
Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2019-07-13 07:13:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 677.04 Mbit/s
95th percentile per-packet one-way delay: 78.700 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 351.01 Mbit/s
95th percentile per-packet one-way delay: 89.495 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 363.56 Mbit/s
95th percentile per-packet one-way delay: 74.395 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 271.27 Mbit/s
95th percentile per-packet one-way delay: 55.621 ms
Loss rate: 1.53%
```

Run 1: Report of Muses\_DecisionTreeH0 — Data Link

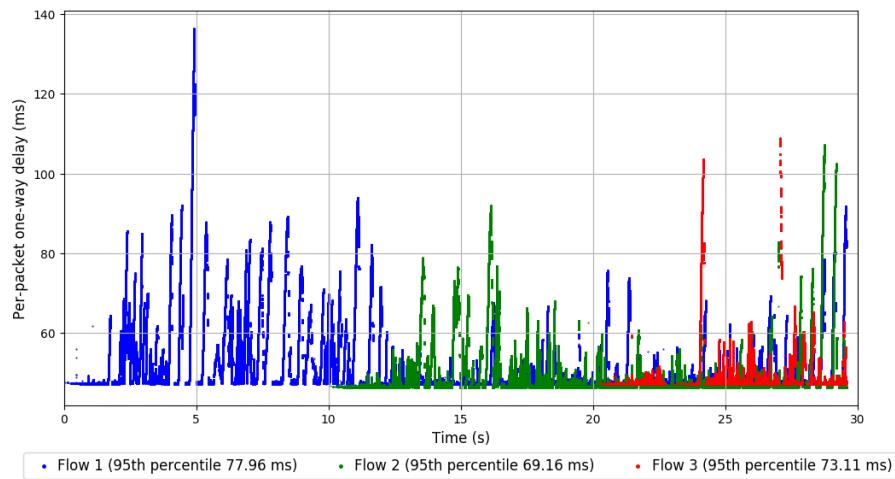
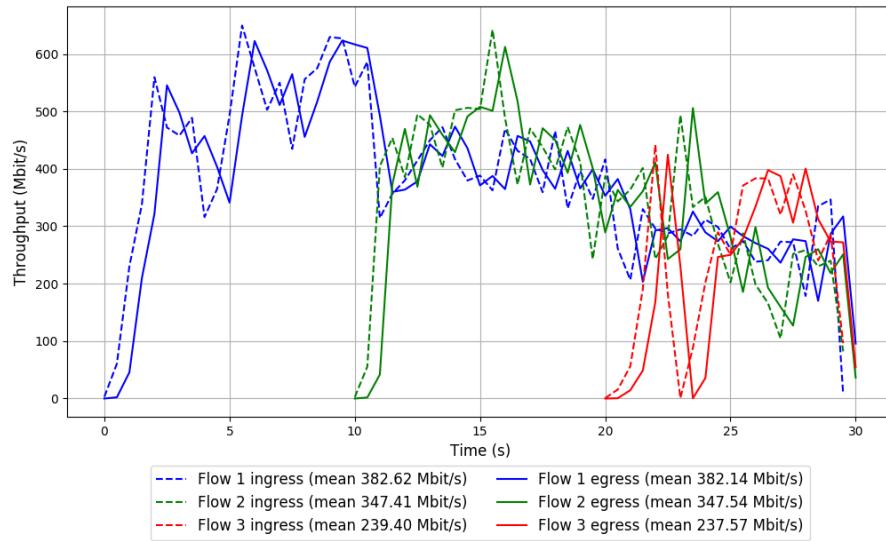


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 02:45:47
End at: 2019-07-13 02:46:17
Local clock offset: 0.069 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2019-07-13 07:19:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 686.71 Mbit/s
95th percentile per-packet one-way delay: 74.947 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 382.14 Mbit/s
95th percentile per-packet one-way delay: 77.957 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 347.54 Mbit/s
95th percentile per-packet one-way delay: 69.157 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 237.57 Mbit/s
95th percentile per-packet one-way delay: 73.107 ms
Loss rate: 1.76%
```

Run 2: Report of Muses\_DecisionTreeH0 — Data Link

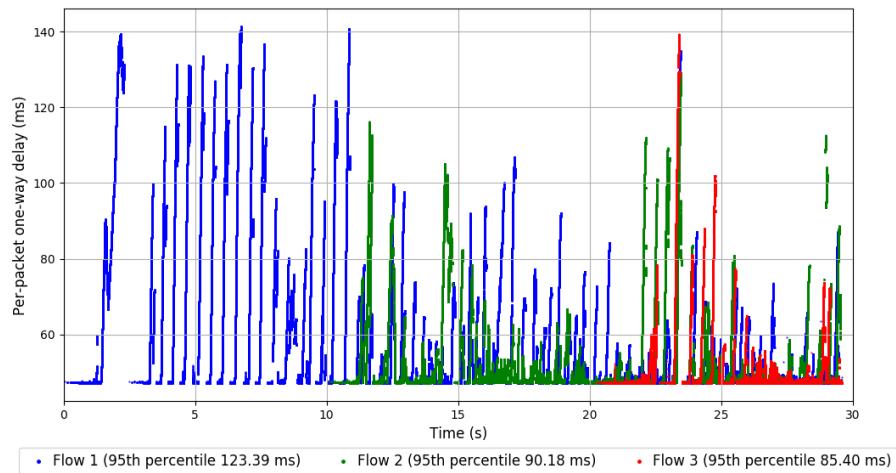
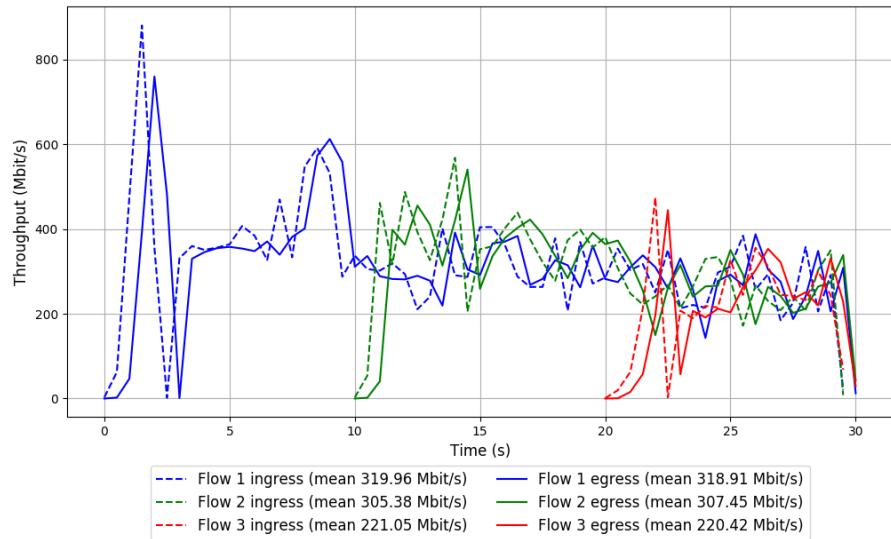


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 03:26:14
End at: 2019-07-13 03:26:44
Local clock offset: -0.056 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-07-13 07:19:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 591.22 Mbit/s
95th percentile per-packet one-way delay: 111.946 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 318.91 Mbit/s
95th percentile per-packet one-way delay: 123.387 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 307.45 Mbit/s
95th percentile per-packet one-way delay: 90.181 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 220.42 Mbit/s
95th percentile per-packet one-way delay: 85.402 ms
Loss rate: 1.29%
```

Run 3: Report of Muses\_DecisionTreeH0 — Data Link

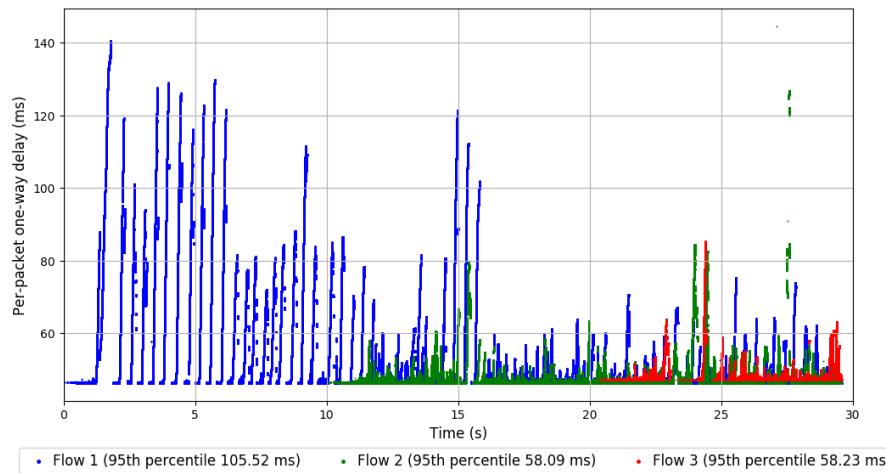
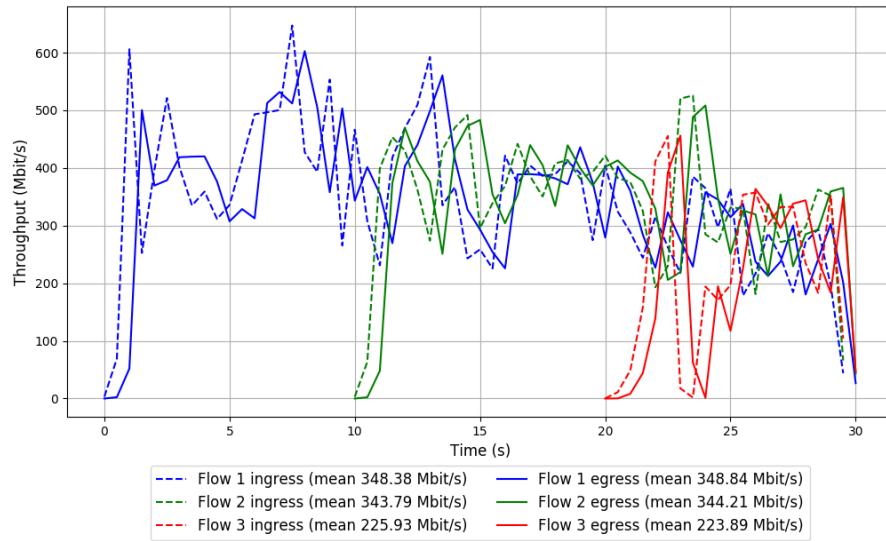


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 04:06:14
End at: 2019-07-13 04:06:44
Local clock offset: -0.056 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2019-07-13 07:23:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 646.47 Mbit/s
95th percentile per-packet one-way delay: 91.815 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 348.84 Mbit/s
95th percentile per-packet one-way delay: 105.519 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 344.21 Mbit/s
95th percentile per-packet one-way delay: 58.094 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 223.89 Mbit/s
95th percentile per-packet one-way delay: 58.232 ms
Loss rate: 1.91%
```

Run 4: Report of Muses\_DecisionTreeH0 — Data Link

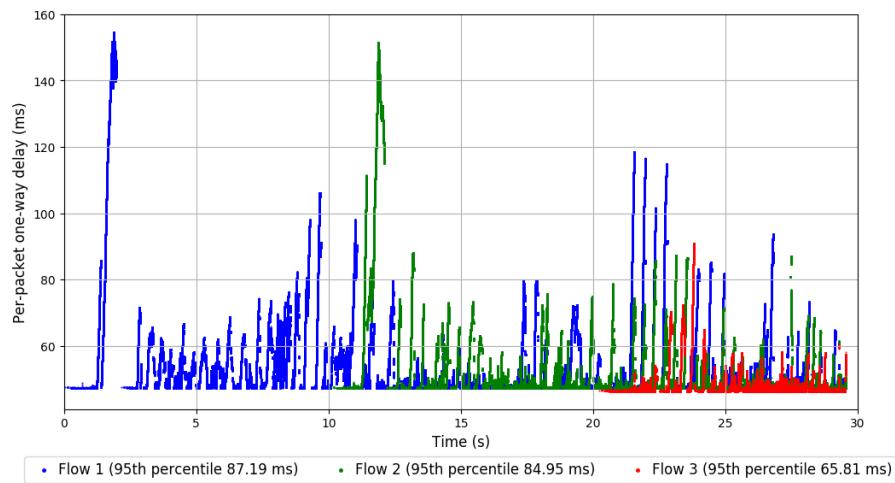
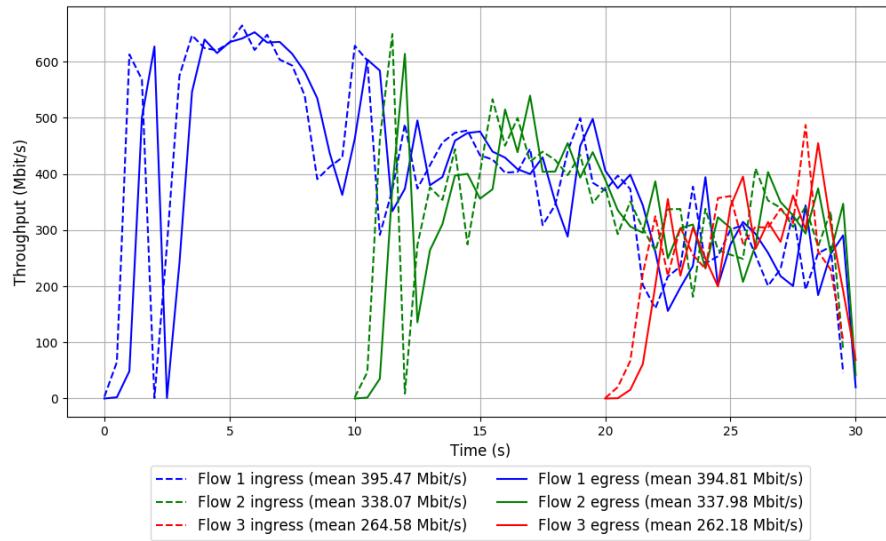


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-13 04:46:23
End at: 2019-07-13 04:46:53
Local clock offset: 0.008 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2019-07-13 07:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 700.63 Mbit/s
95th percentile per-packet one-way delay: 84.061 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 394.81 Mbit/s
95th percentile per-packet one-way delay: 87.191 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 337.98 Mbit/s
95th percentile per-packet one-way delay: 84.955 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 262.18 Mbit/s
95th percentile per-packet one-way delay: 65.815 ms
Loss rate: 1.83%
```

Run 5: Report of Muses\_DecisionTreeH0 — Data Link

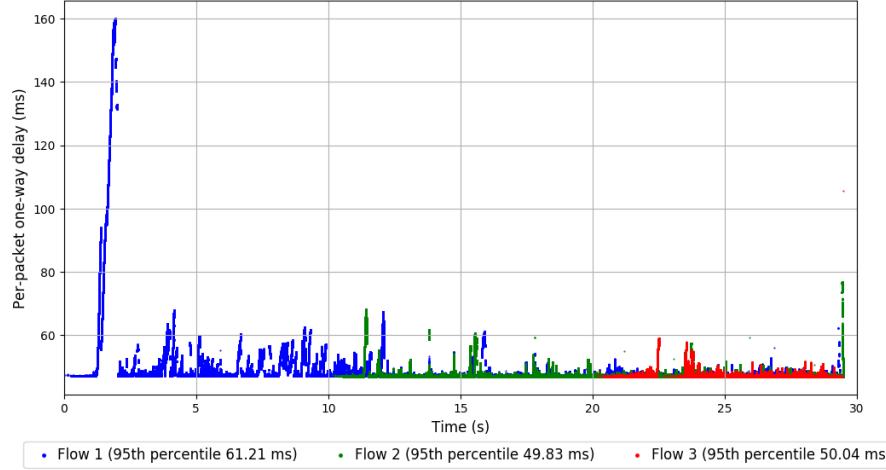
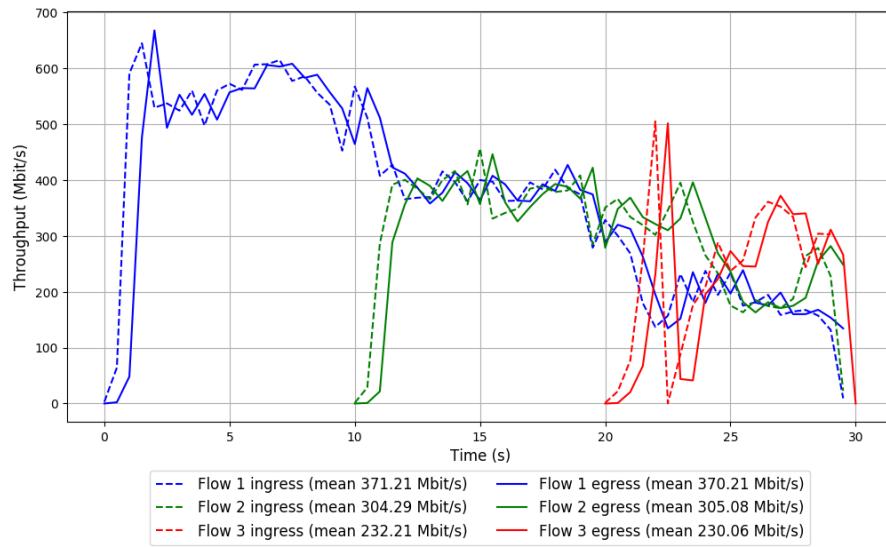


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 01:48:45
End at: 2019-07-13 01:49:15
Local clock offset: 0.013 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-07-13 07:25:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 643.06 Mbit/s
95th percentile per-packet one-way delay: 56.664 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 370.21 Mbit/s
95th percentile per-packet one-way delay: 61.210 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 305.08 Mbit/s
95th percentile per-packet one-way delay: 49.828 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 230.06 Mbit/s
95th percentile per-packet one-way delay: 50.042 ms
Loss rate: 1.32%
```

Run 1: Report of Muses\_DecisionTreeR0 — Data Link

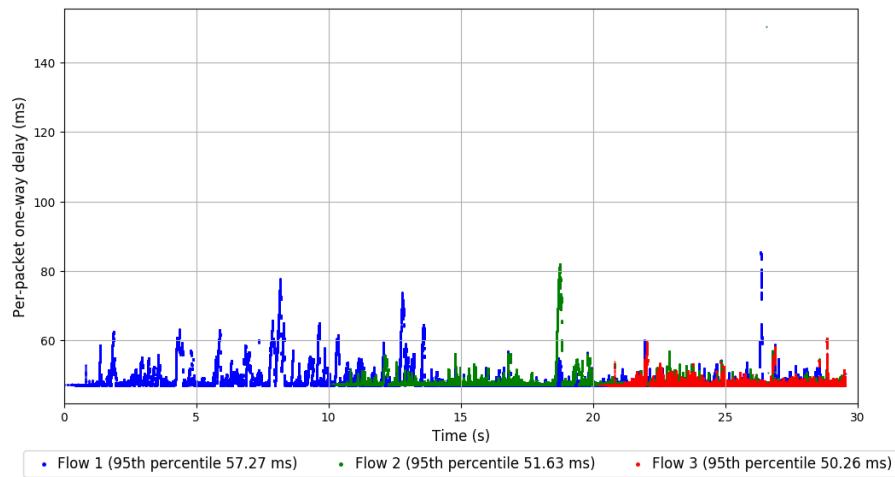
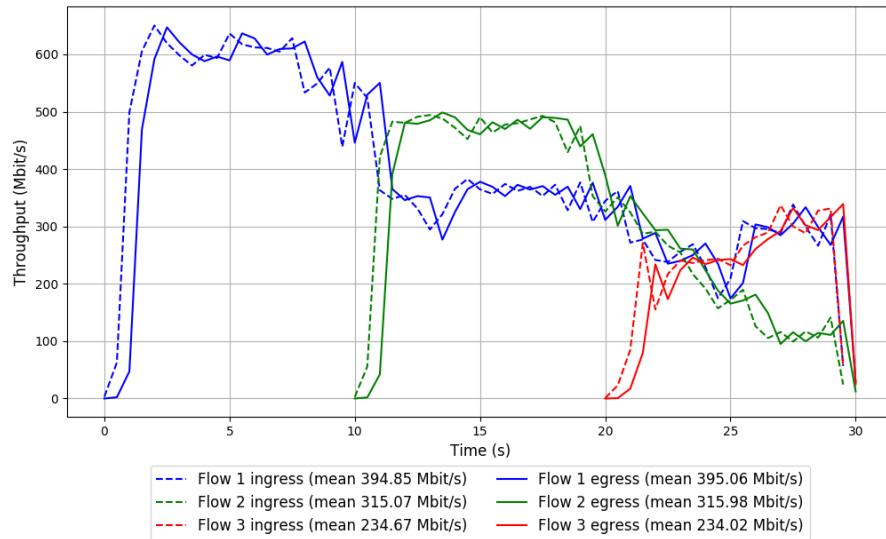


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 02:28:58
End at: 2019-07-13 02:29:28
Local clock offset: 0.053 ms
Remote clock offset: 0.091 ms

# Below is generated by plot.py at 2019-07-13 07:25:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 677.71 Mbit/s
95th percentile per-packet one-way delay: 55.159 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 395.06 Mbit/s
95th percentile per-packet one-way delay: 57.274 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 315.98 Mbit/s
95th percentile per-packet one-way delay: 51.631 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 234.02 Mbit/s
95th percentile per-packet one-way delay: 50.262 ms
Loss rate: 1.32%
```

Run 2: Report of Muses\_DecisionTreeR0 — Data Link

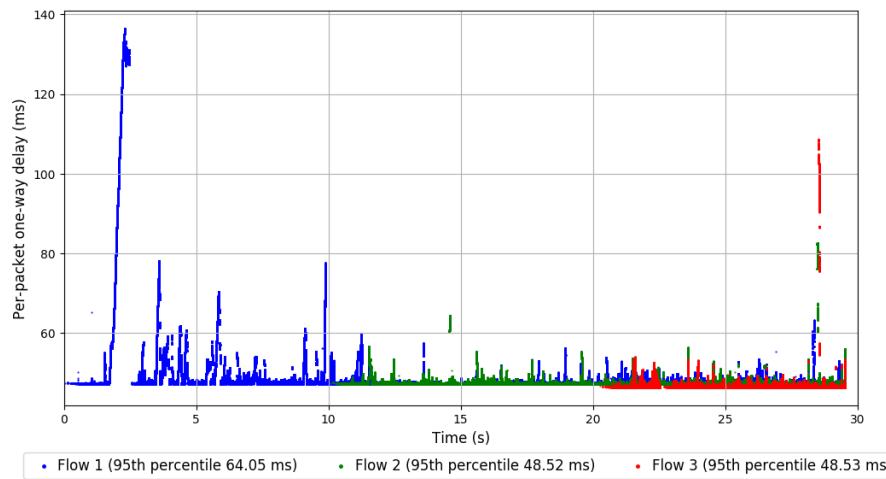
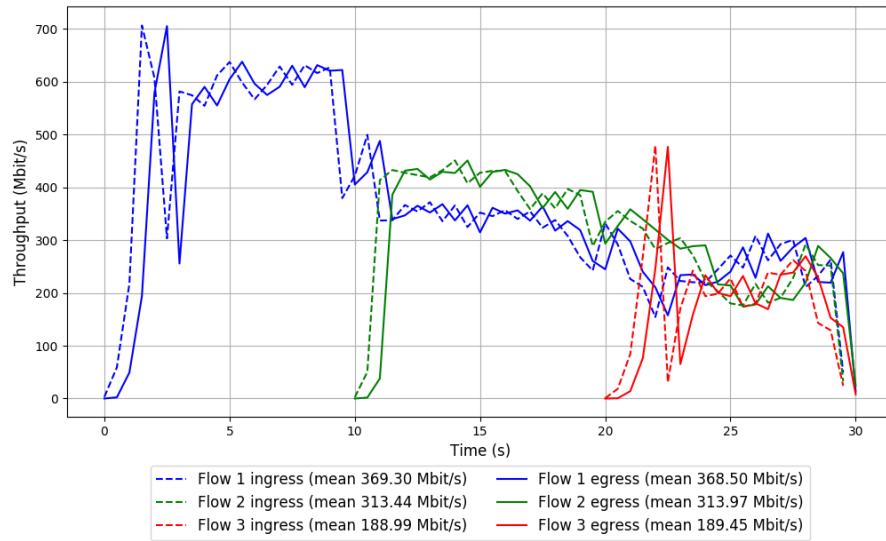


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 03:09:08
End at: 2019-07-13 03:09:38
Local clock offset: -0.027 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2019-07-13 07:25:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 635.21 Mbit/s
95th percentile per-packet one-way delay: 56.169 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 368.50 Mbit/s
95th percentile per-packet one-way delay: 64.051 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 313.97 Mbit/s
95th percentile per-packet one-way delay: 48.523 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 189.45 Mbit/s
95th percentile per-packet one-way delay: 48.534 ms
Loss rate: 0.78%
```

Run 3: Report of Muses\_DecisionTreeR0 — Data Link

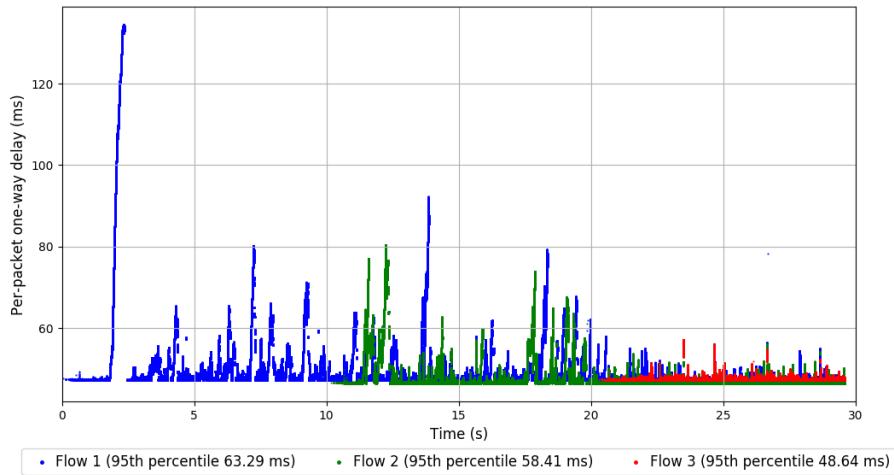
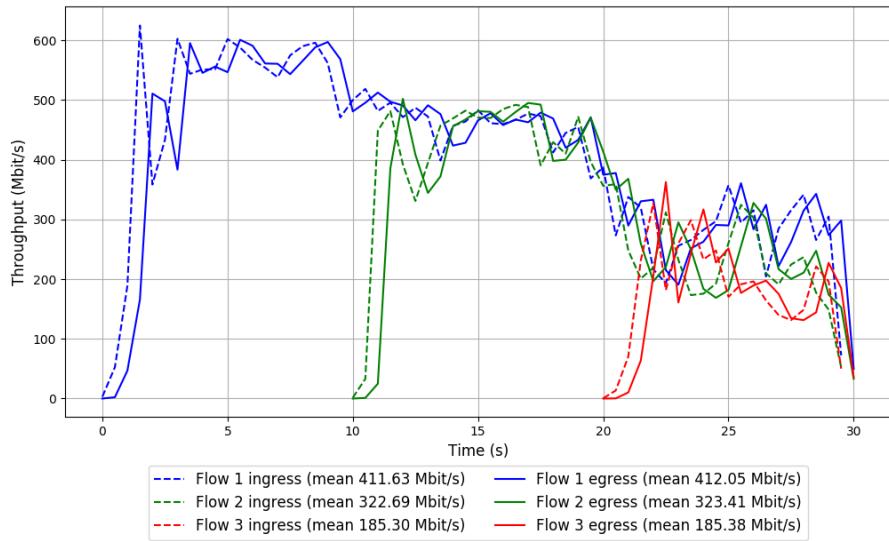


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 03:49:14
End at: 2019-07-13 03:49:44
Local clock offset: -0.029 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-07-13 07:26:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 682.95 Mbit/s
95th percentile per-packet one-way delay: 60.509 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 412.05 Mbit/s
95th percentile per-packet one-way delay: 63.286 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 323.41 Mbit/s
95th percentile per-packet one-way delay: 58.411 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 185.38 Mbit/s
95th percentile per-packet one-way delay: 48.637 ms
Loss rate: 0.98%
```

Run 4: Report of Muses\_DecisionTreeR0 — Data Link

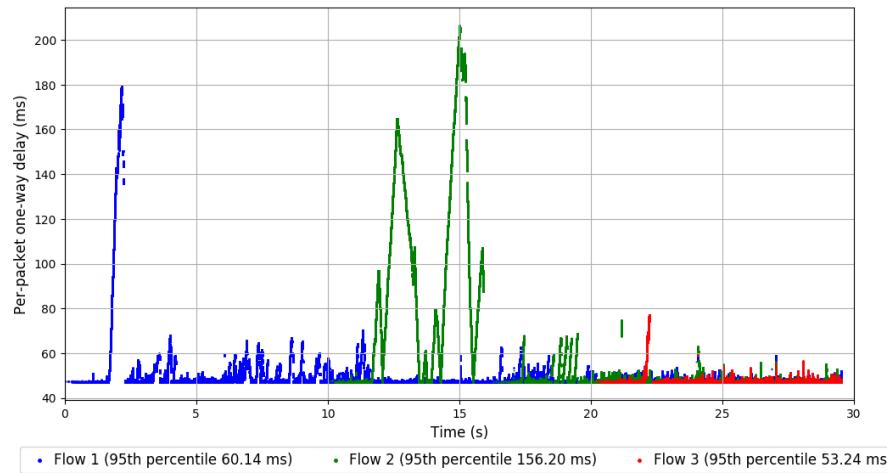
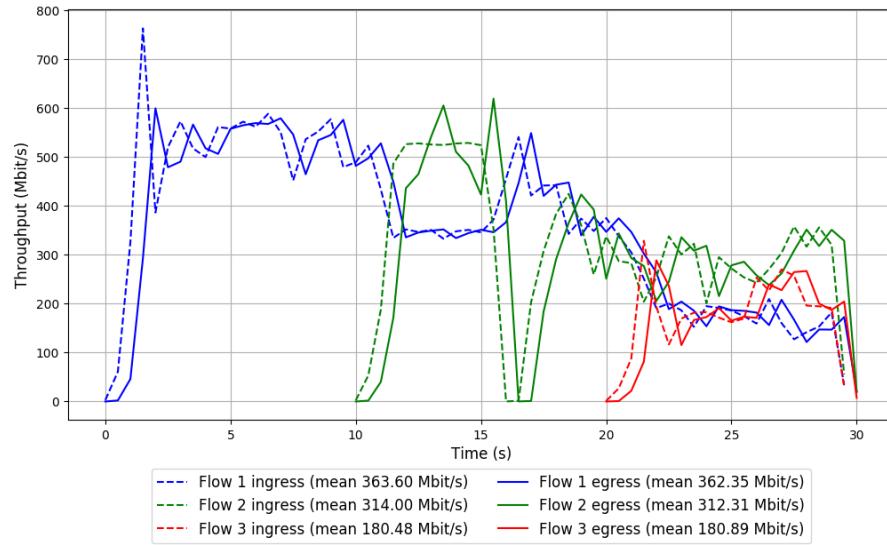


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-13 04:29:27
End at: 2019-07-13 04:29:57
Local clock offset: -0.035 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2019-07-13 07:30:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 625.81 Mbit/s
95th percentile per-packet one-way delay: 117.239 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 362.35 Mbit/s
95th percentile per-packet one-way delay: 60.137 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 312.31 Mbit/s
95th percentile per-packet one-way delay: 156.198 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 180.89 Mbit/s
95th percentile per-packet one-way delay: 53.237 ms
Loss rate: 0.89%
```

Run 5: Report of Muses\_DecisionTreeR0 — Data Link

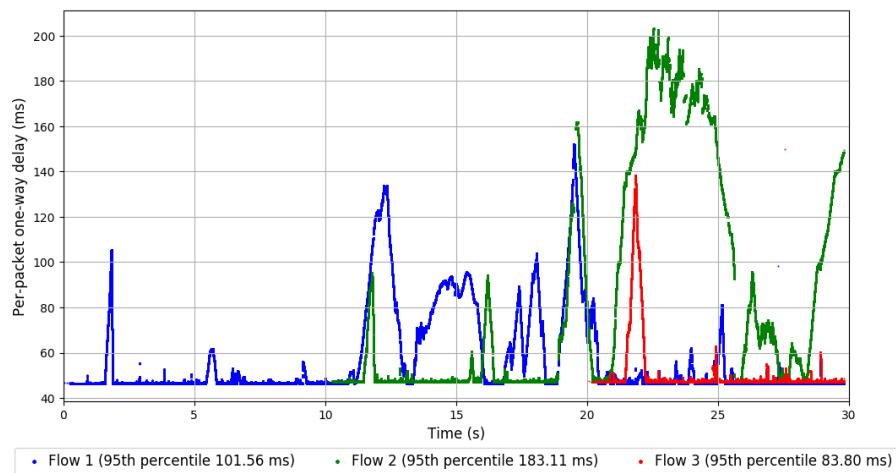
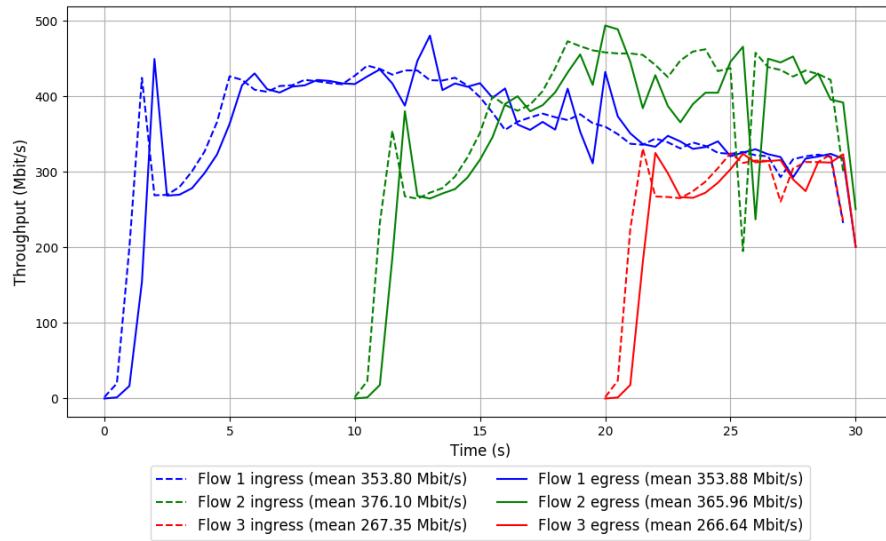


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-13 02:23:38
End at: 2019-07-13 02:24:08
Local clock offset: 0.046 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2019-07-13 07:44:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 684.04 Mbit/s
95th percentile per-packet one-way delay: 162.691 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 353.88 Mbit/s
95th percentile per-packet one-way delay: 101.565 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 365.96 Mbit/s
95th percentile per-packet one-way delay: 183.109 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 266.64 Mbit/s
95th percentile per-packet one-way delay: 83.798 ms
Loss rate: 1.22%
```

Run 1: Report of PCC-Allegro — Data Link

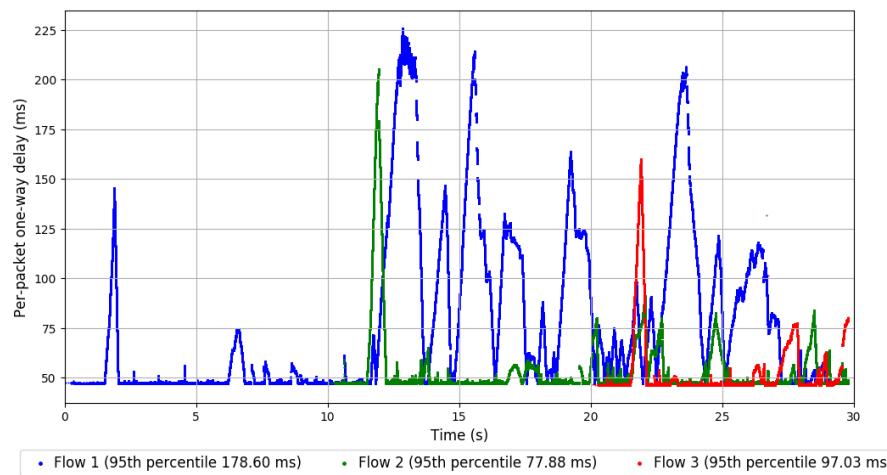
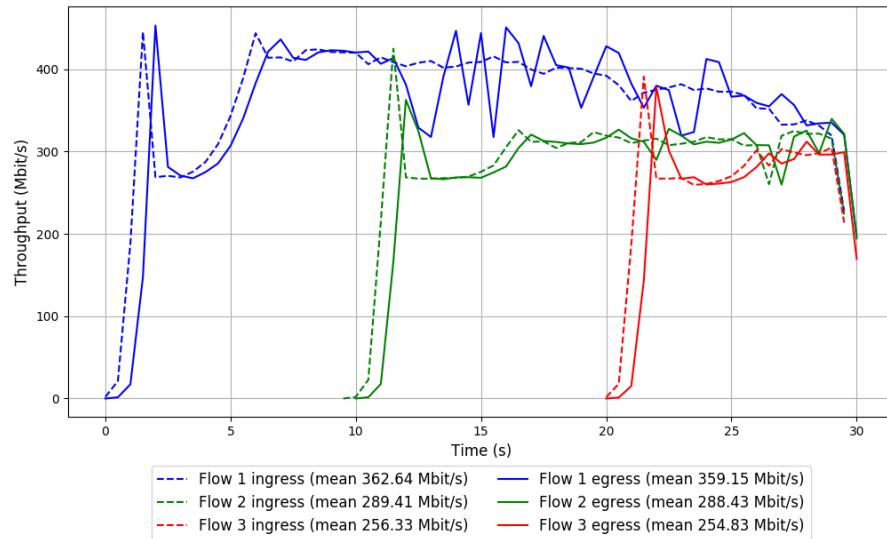


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-13 03:03:50
End at: 2019-07-13 03:04:20
Local clock offset: 0.017 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2019-07-13 07:45:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 633.96 Mbit/s
95th percentile per-packet one-way delay: 146.444 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 359.15 Mbit/s
95th percentile per-packet one-way delay: 178.598 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 288.43 Mbit/s
95th percentile per-packet one-way delay: 77.878 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 254.83 Mbit/s
95th percentile per-packet one-way delay: 97.026 ms
Loss rate: 1.54%
```

Run 2: Report of PCC-Allegro — Data Link

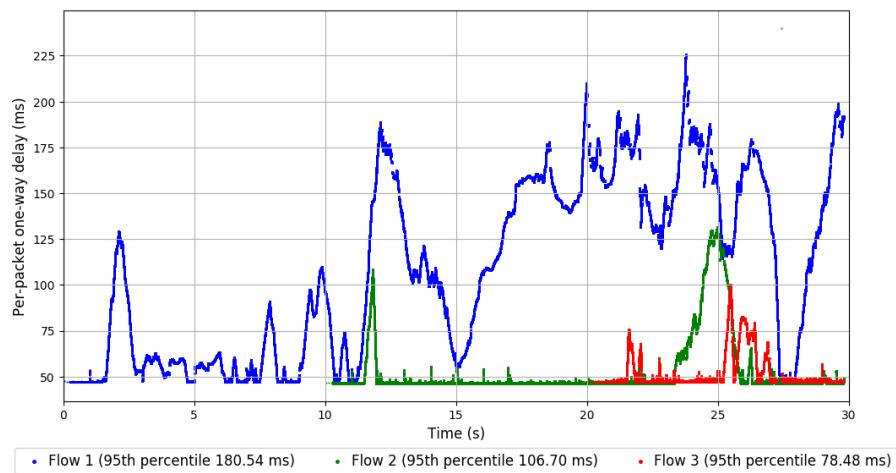
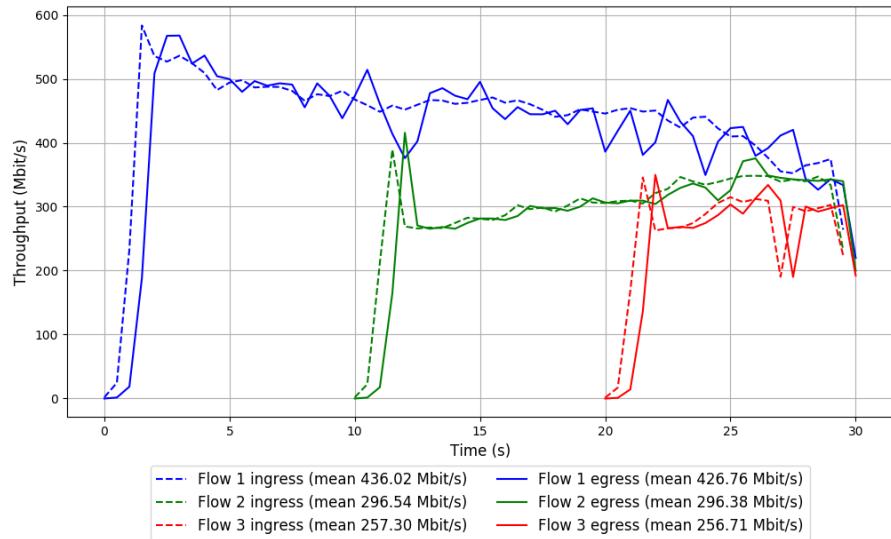


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-13 03:43:58
End at: 2019-07-13 03:44:28
Local clock offset: -0.079 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2019-07-13 07:49:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 707.26 Mbit/s
95th percentile per-packet one-way delay: 175.782 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 426.76 Mbit/s
95th percentile per-packet one-way delay: 180.539 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 296.38 Mbit/s
95th percentile per-packet one-way delay: 106.697 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 256.71 Mbit/s
95th percentile per-packet one-way delay: 78.483 ms
Loss rate: 1.20%
```

Run 3: Report of PCC-Allegro — Data Link

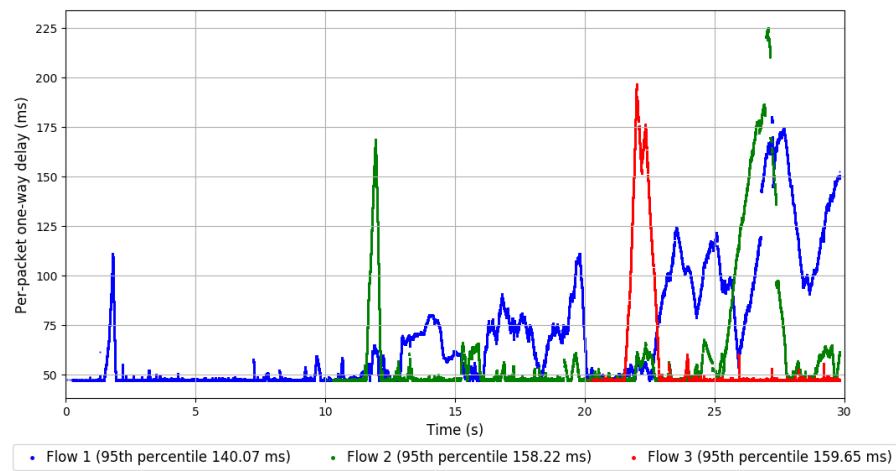
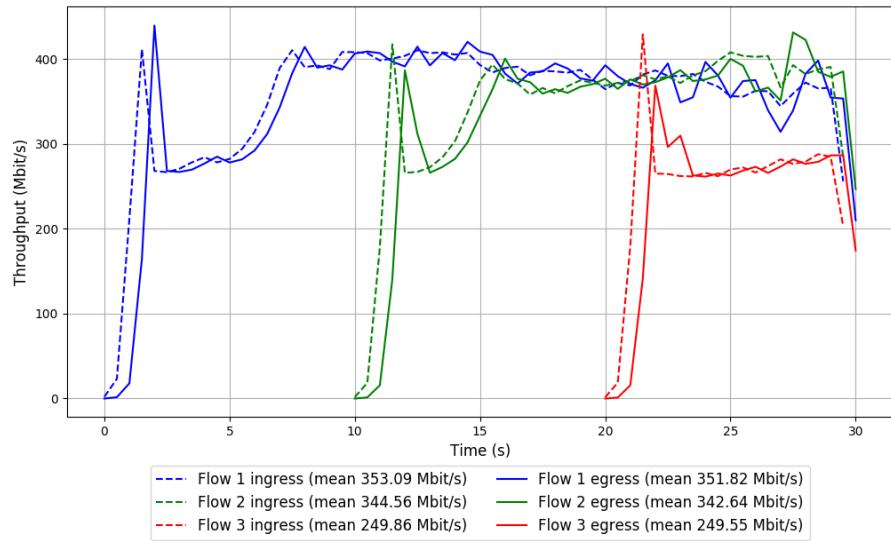


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-13 04:24:10
End at: 2019-07-13 04:24:40
Local clock offset: 0.02 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2019-07-13 07:49:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 660.62 Mbit/s
95th percentile per-packet one-way delay: 148.291 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 351.82 Mbit/s
95th percentile per-packet one-way delay: 140.066 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 342.64 Mbit/s
95th percentile per-packet one-way delay: 158.216 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 249.55 Mbit/s
95th percentile per-packet one-way delay: 159.648 ms
Loss rate: 1.12%
```

Run 4: Report of PCC-Allegro — Data Link

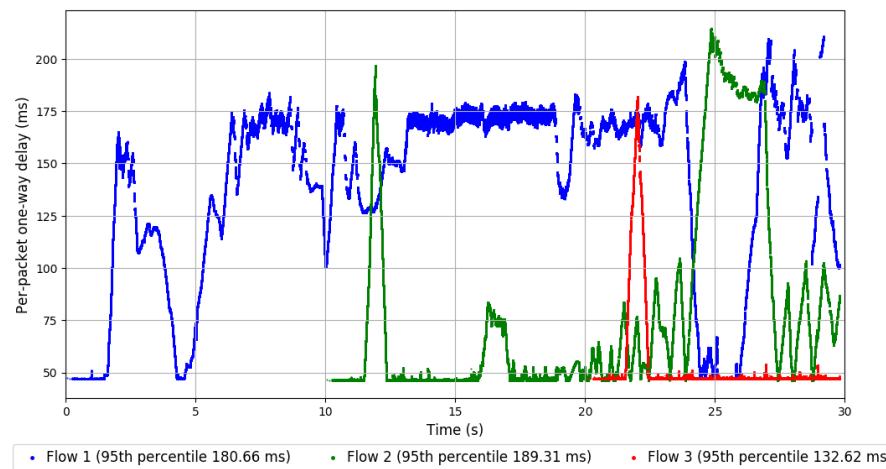
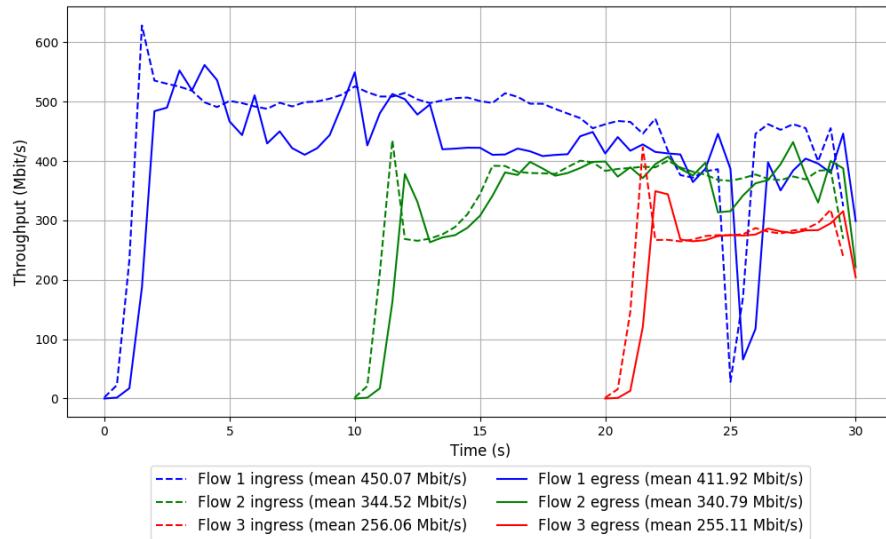


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-13 05:04:26
End at: 2019-07-13 05:04:56
Local clock offset: -0.092 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2019-07-13 07:50:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 721.32 Mbit/s
95th percentile per-packet one-way delay: 183.463 ms
Loss rate: 5.78%
-- Flow 1:
Average throughput: 411.92 Mbit/s
95th percentile per-packet one-way delay: 180.657 ms
Loss rate: 8.77%
-- Flow 2:
Average throughput: 340.79 Mbit/s
95th percentile per-packet one-way delay: 189.311 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 255.11 Mbit/s
95th percentile per-packet one-way delay: 132.623 ms
Loss rate: 1.33%
```

Run 5: Report of PCC-Allegro — Data Link

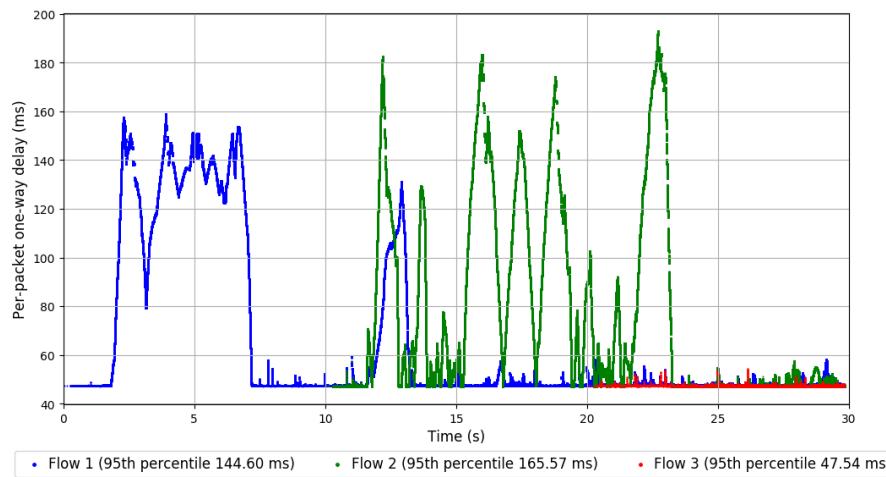
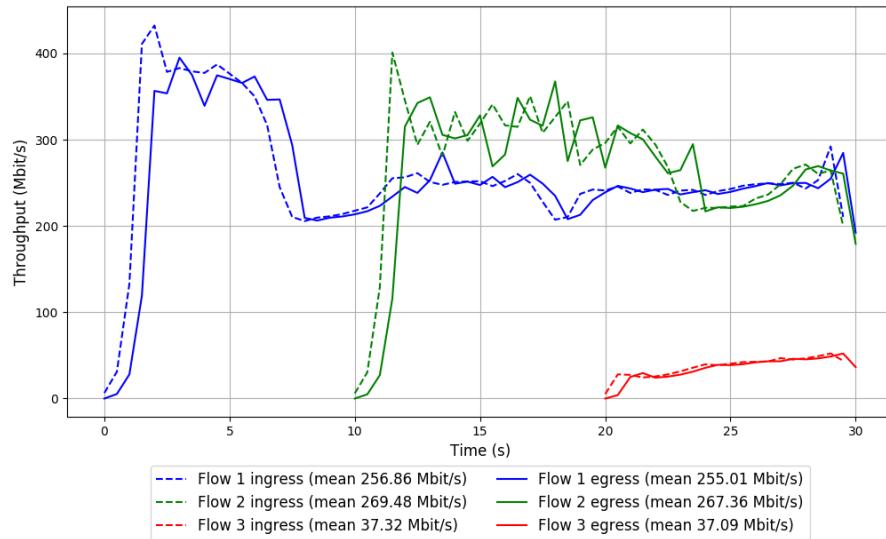


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-07-13 02:16:15
End at: 2019-07-13 02:16:45
Local clock offset: 0.085 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2019-07-13 07:51:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 444.70 Mbit/s
95th percentile per-packet one-way delay: 148.857 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 255.01 Mbit/s
95th percentile per-packet one-way delay: 144.598 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 267.36 Mbit/s
95th percentile per-packet one-way delay: 165.568 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 47.537 ms
Loss rate: 1.65%
```

Run 1: Report of PCC-Expr — Data Link

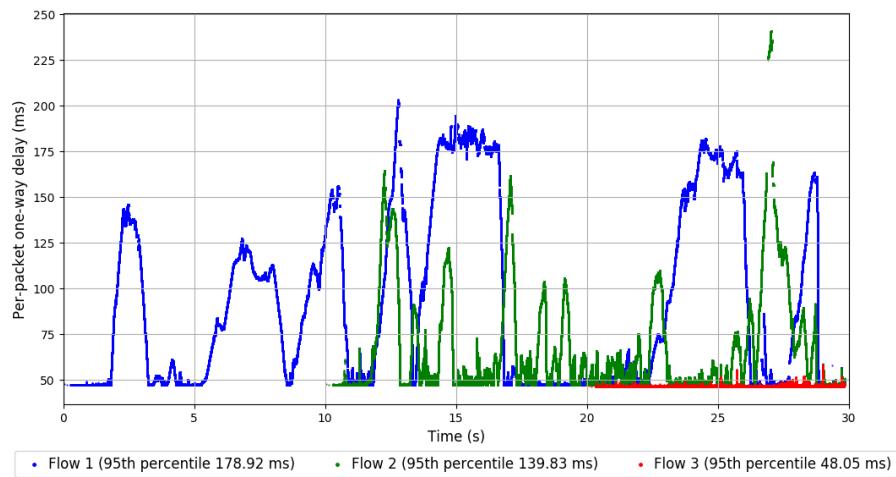
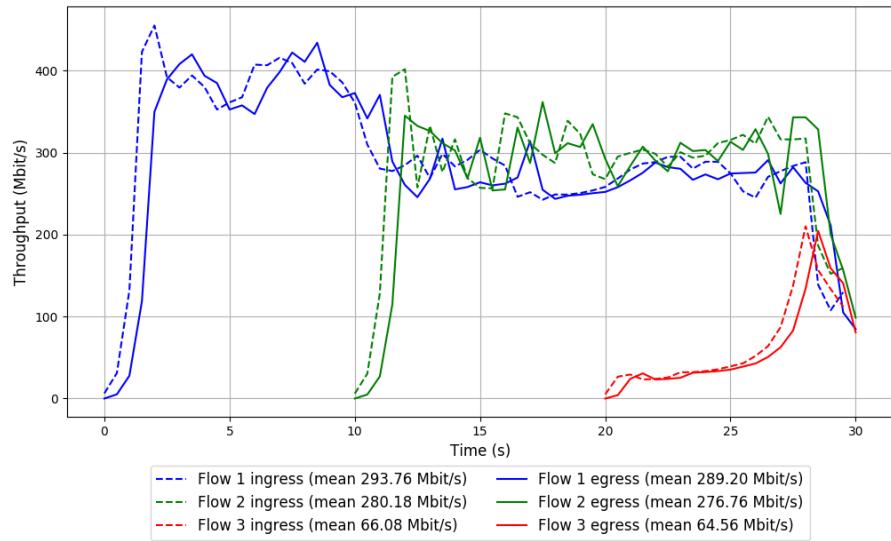


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-13 02:56:27
End at: 2019-07-13 02:56:57
Local clock offset: 0.019 ms
Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2019-07-13 07:51:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 494.12 Mbit/s
95th percentile per-packet one-way delay: 175.754 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 289.20 Mbit/s
95th percentile per-packet one-way delay: 178.918 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 276.76 Mbit/s
95th percentile per-packet one-way delay: 139.830 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 48.052 ms
Loss rate: 3.24%
```

Run 2: Report of PCC-Expr — Data Link

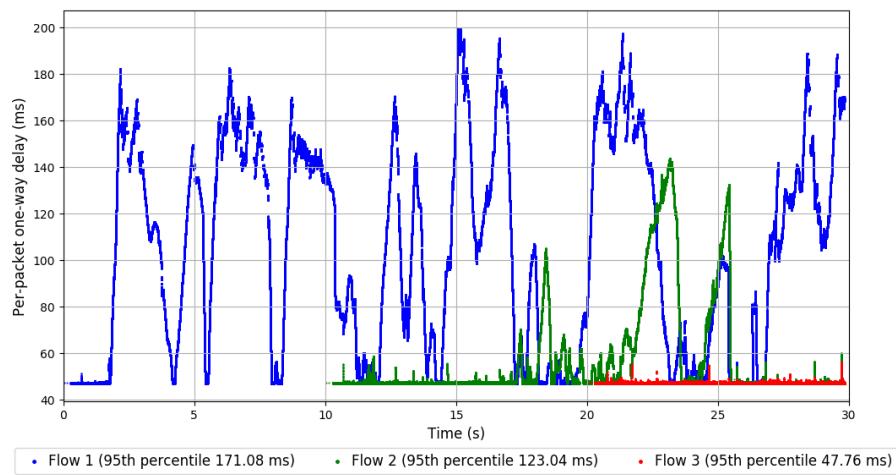
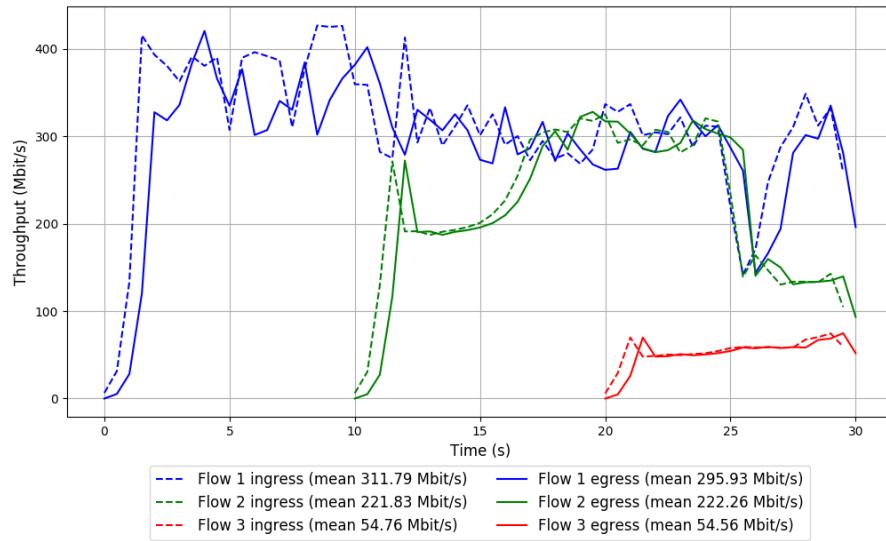


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-13 03:36:35
End at: 2019-07-13 03:37:05
Local clock offset: -0.043 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2019-07-13 07:51:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.40 Mbit/s
95th percentile per-packet one-way delay: 166.594 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 295.93 Mbit/s
95th percentile per-packet one-way delay: 171.080 ms
Loss rate: 5.39%
-- Flow 2:
Average throughput: 222.26 Mbit/s
95th percentile per-packet one-way delay: 123.041 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 47.757 ms
Loss rate: 1.37%
```

Run 3: Report of PCC-Expr — Data Link

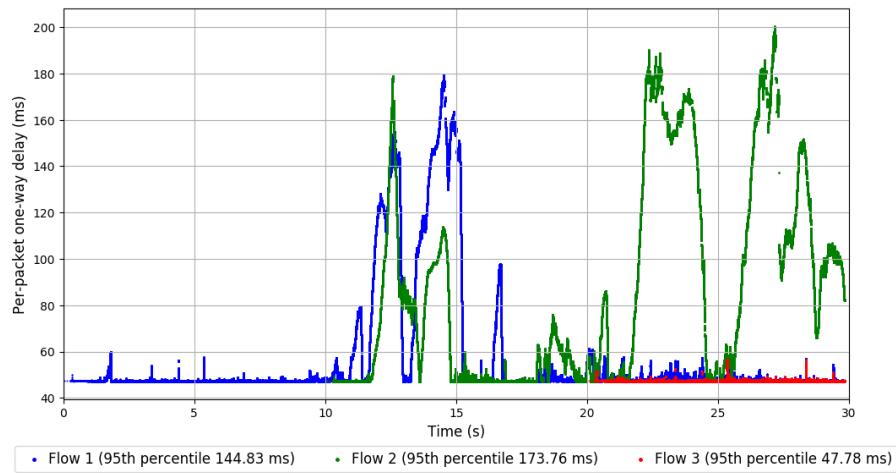
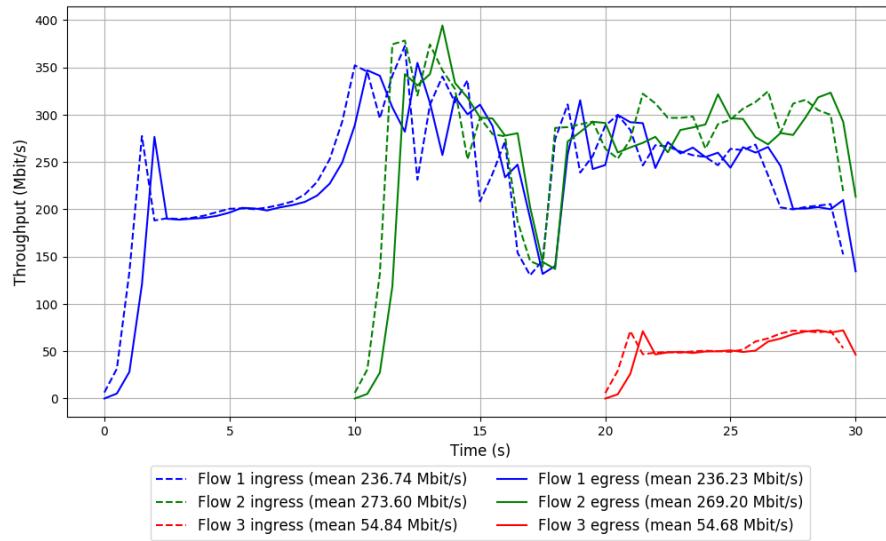


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-13 04:16:49
End at: 2019-07-13 04:17:19
Local clock offset: 0.01 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-07-13 07:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.82 Mbit/s
95th percentile per-packet one-way delay: 162.391 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 236.23 Mbit/s
95th percentile per-packet one-way delay: 144.828 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 269.20 Mbit/s
95th percentile per-packet one-way delay: 173.761 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 47.780 ms
Loss rate: 1.25%
```

Run 4: Report of PCC-Expr — Data Link

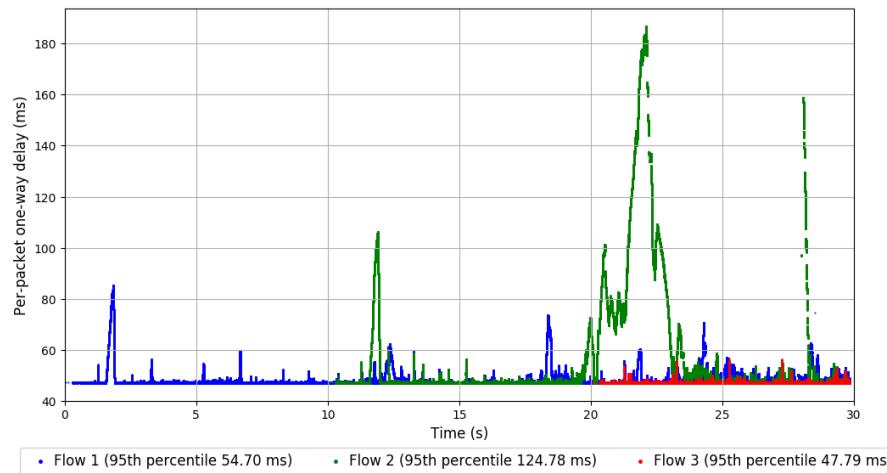
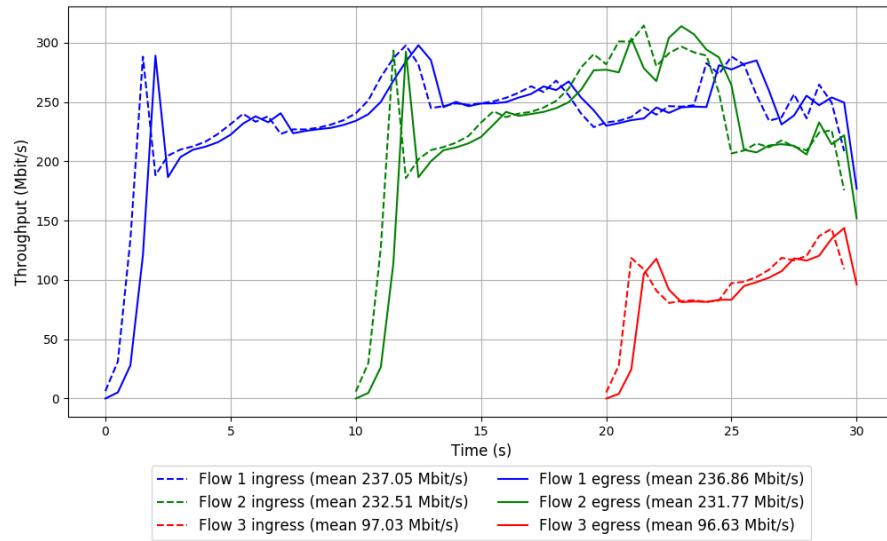


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-13 04:57:04
End at: 2019-07-13 04:57:34
Local clock offset: -0.03 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 422.30 Mbit/s
95th percentile per-packet one-way delay: 81.992 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 236.86 Mbit/s
95th percentile per-packet one-way delay: 54.695 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 231.77 Mbit/s
95th percentile per-packet one-way delay: 124.775 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 47.792 ms
Loss rate: 1.37%
```

Run 5: Report of PCC-Expr — Data Link

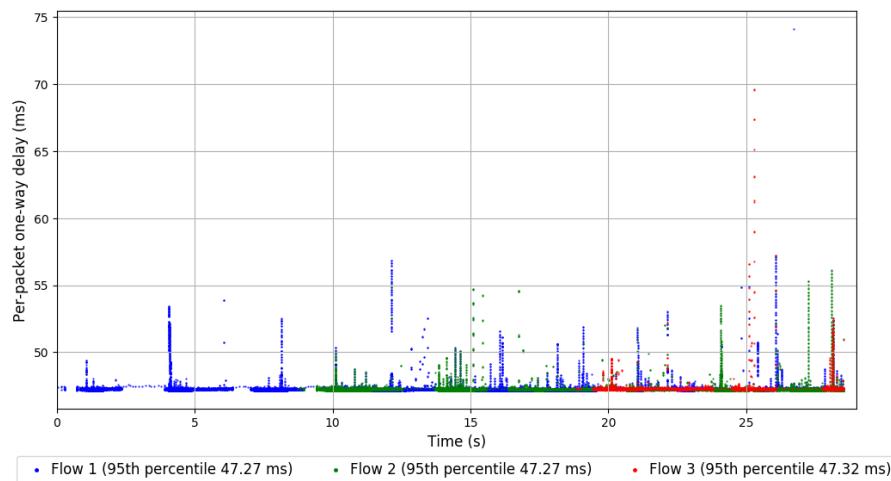
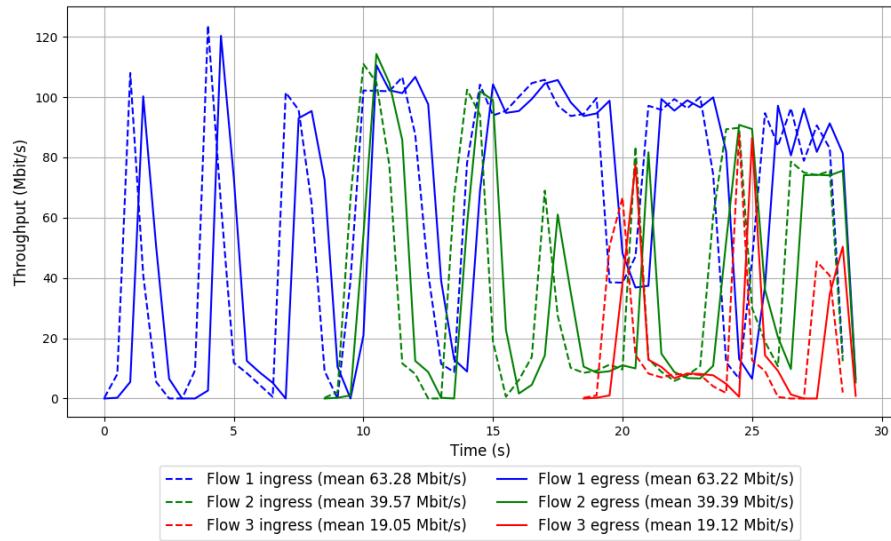


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-07-13 02:13:22
End at: 2019-07-13 02:13:52
Local clock offset: 0.022 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 47.277 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 47.269 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 47.267 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 19.12 Mbit/s
95th percentile per-packet one-way delay: 47.319 ms
Loss rate: 0.60%
```

Run 1: Report of QUIC Cubic — Data Link

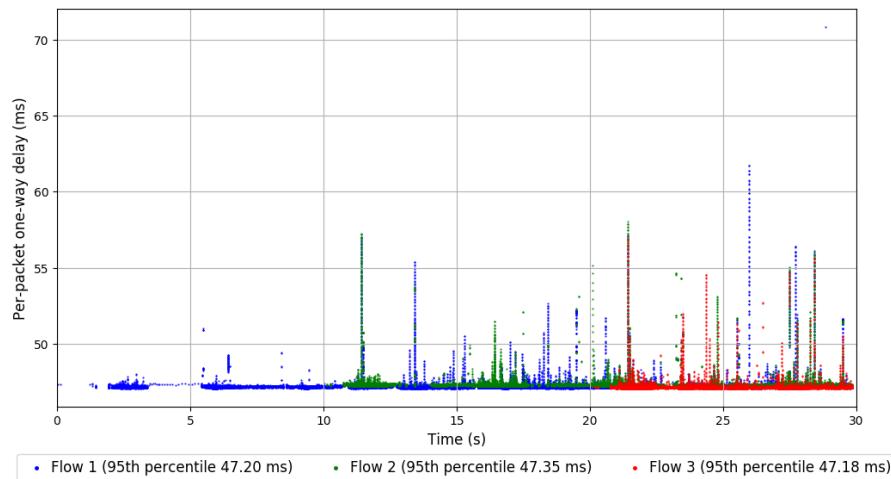
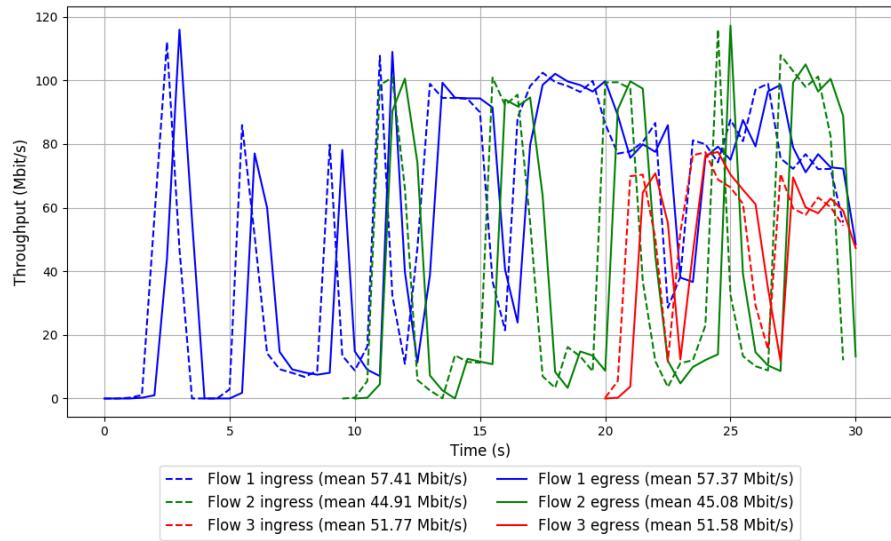


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-13 02:53:31
End at: 2019-07-13 02:54:01
Local clock offset: 0.039 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.24 Mbit/s
95th percentile per-packet one-way delay: 47.308 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 47.205 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 47.349 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 47.183 ms
Loss rate: 1.33%
```

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

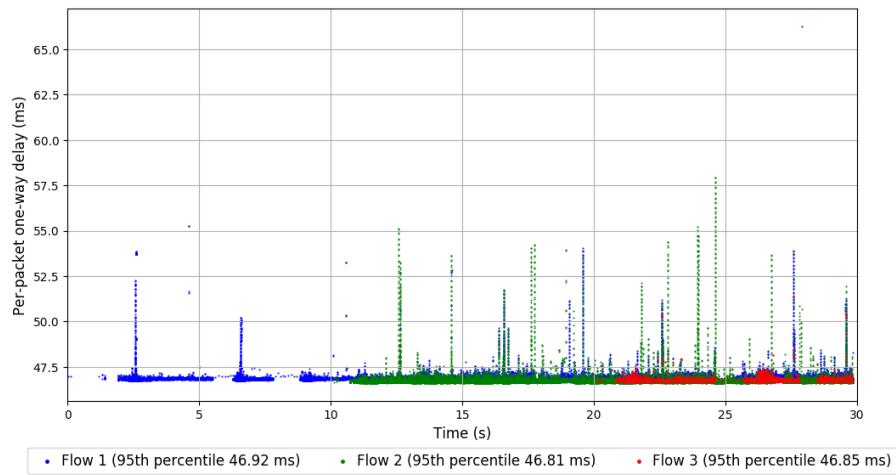
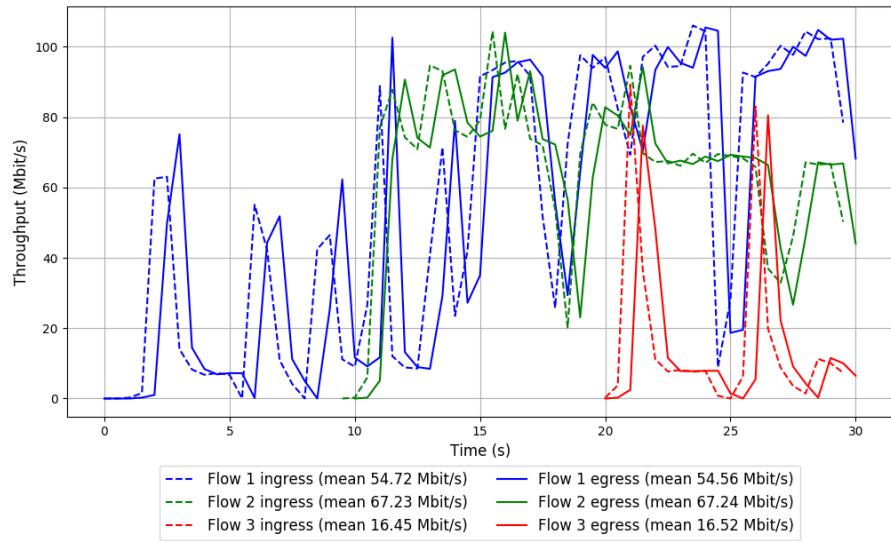


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-13 03:33:40
End at: 2019-07-13 03:34:10
Local clock offset: -0.468 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 104.67 Mbit/s
95th percentile per-packet one-way delay: 46.891 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 46.916 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 67.24 Mbit/s
95th percentile per-packet one-way delay: 46.806 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 46.850 ms
Loss rate: 0.56%
```

Run 3: Report of QUIC Cubic — Data Link

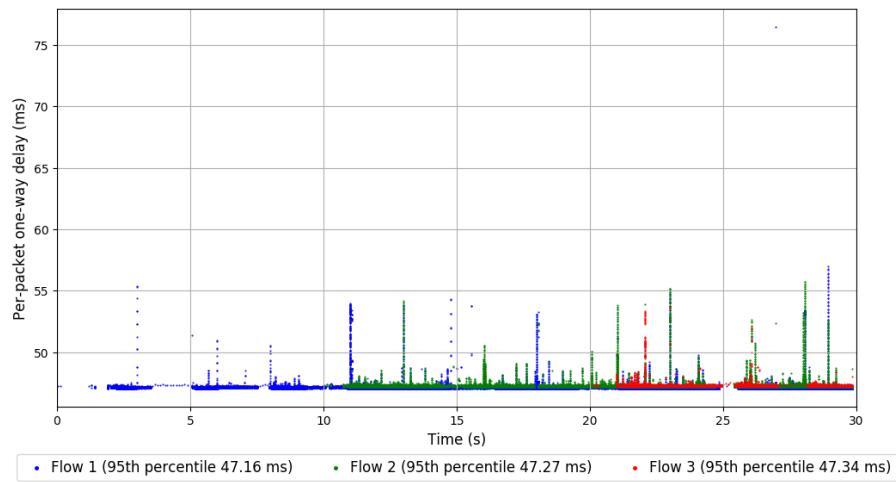
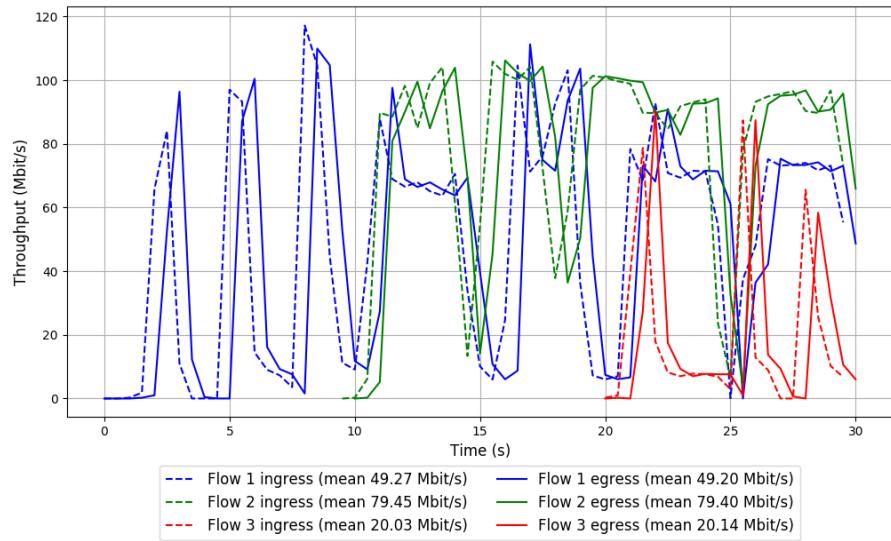


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-13 04:13:57
End at: 2019-07-13 04:14:27
Local clock offset: -0.017 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 108.56 Mbit/s
95th percentile per-packet one-way delay: 47.277 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 47.163 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 47.271 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 47.340 ms
Loss rate: 0.39%
```

Run 4: Report of QUIC Cubic — Data Link

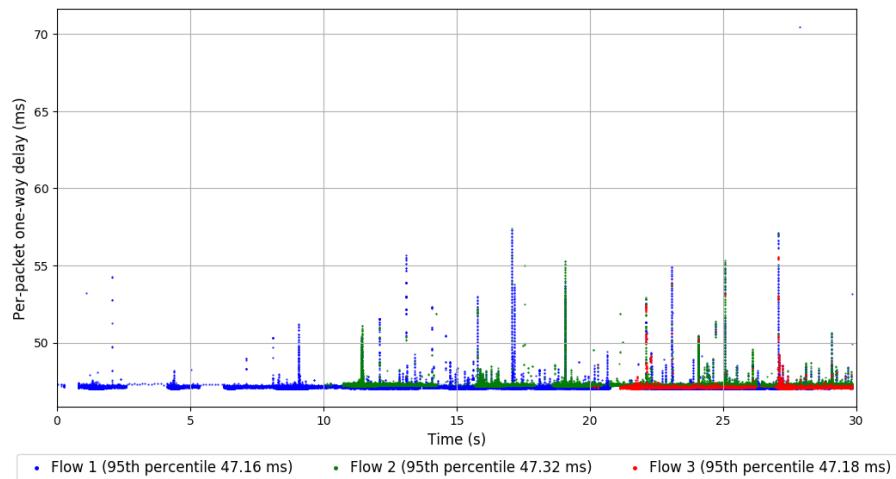
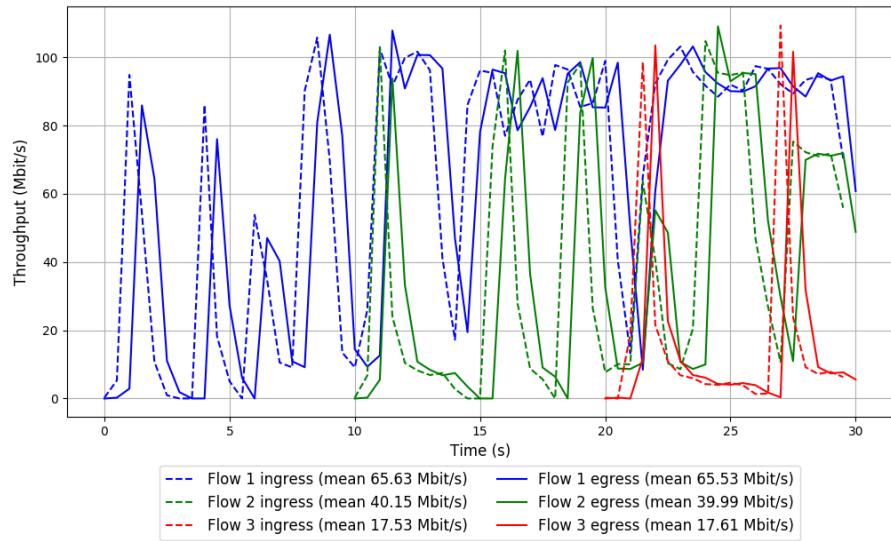


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-13 04:54:11
End at: 2019-07-13 04:54:41
Local clock offset: -0.051 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.87 Mbit/s
95th percentile per-packet one-way delay: 47.276 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 47.159 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 47.317 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 17.61 Mbit/s
95th percentile per-packet one-way delay: 47.180 ms
Loss rate: 0.42%
```

Run 5: Report of QUIC Cubic — Data Link

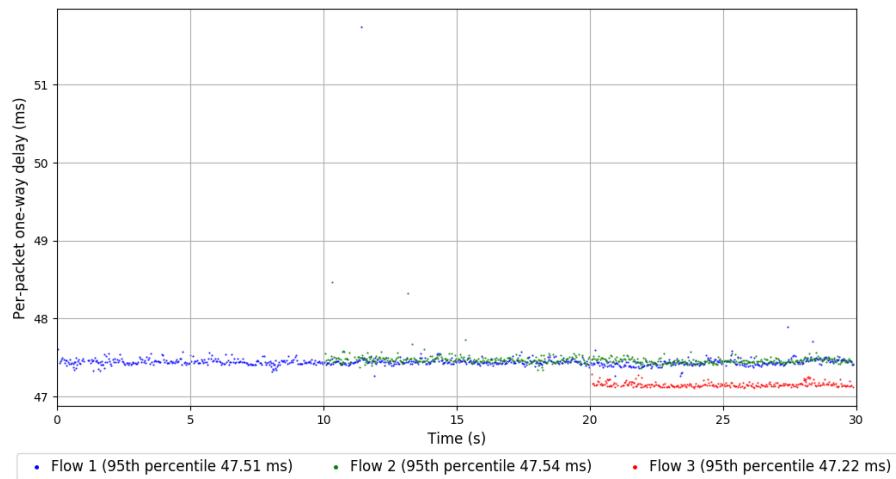
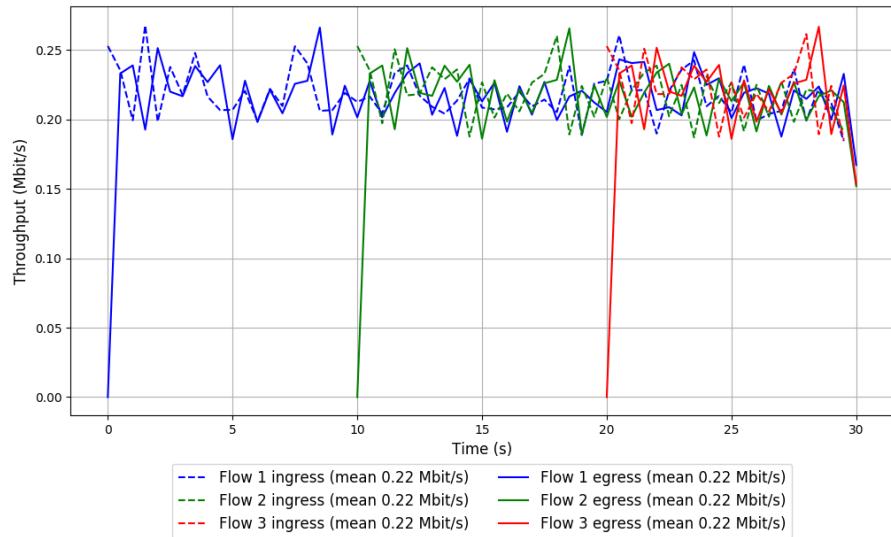


Run 1: Statistics of SCReAM

```
Start at: 2019-07-13 02:02:44
End at: 2019-07-13 02:03:14
Local clock offset: 0.03 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.519 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.514 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.540 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.223 ms
Loss rate: 1.09%
```

## Run 1: Report of SCReAM — Data Link

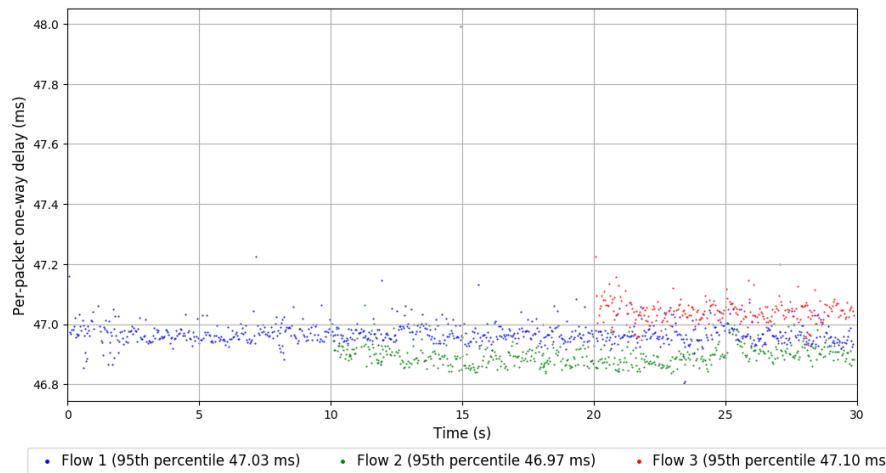
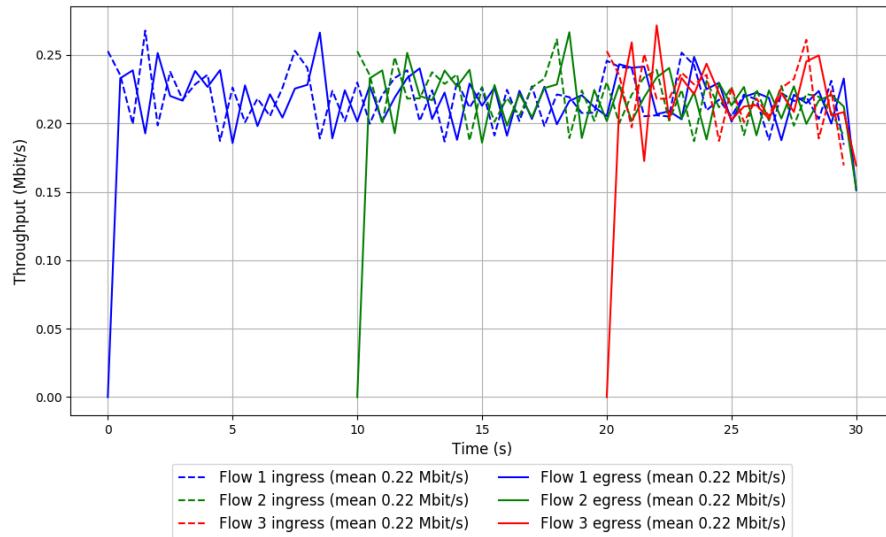


Run 2: Statistics of SCReAM

```
Start at: 2019-07-13 02:42:54
End at: 2019-07-13 02:43:24
Local clock offset: -0.349 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.061 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.031 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.973 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.096 ms
Loss rate: 0.74%
```

Run 2: Report of SCReAM — Data Link

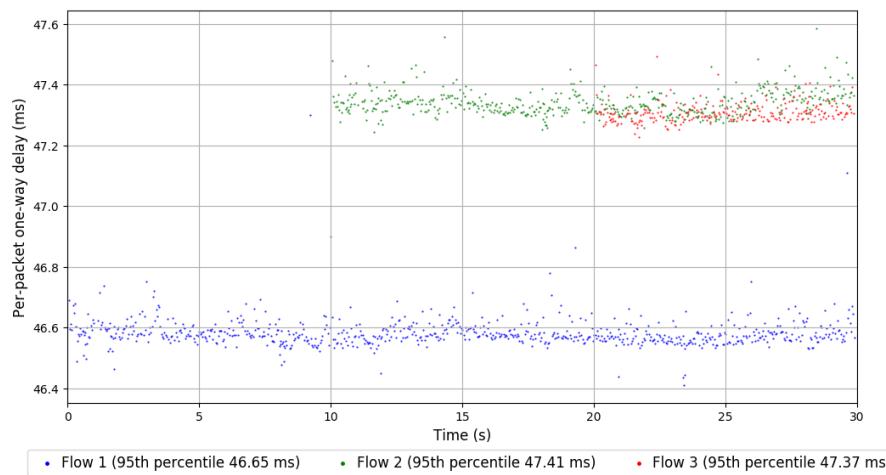
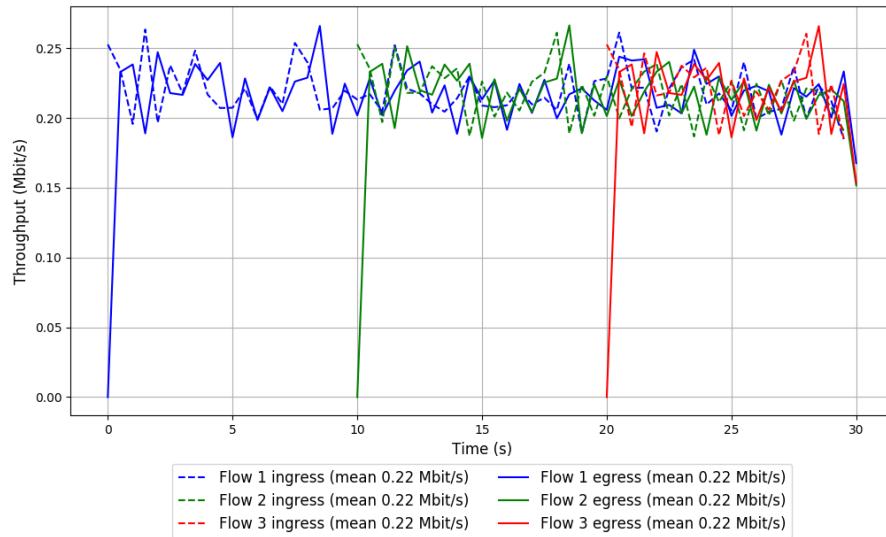


Run 3: Statistics of SCReAM

```
Start at: 2019-07-13 03:23:21
End at: 2019-07-13 03:23:51
Local clock offset: -0.047 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.383 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.653 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.410 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.366 ms
Loss rate: 1.09%
```

Run 3: Report of SCReAM — Data Link

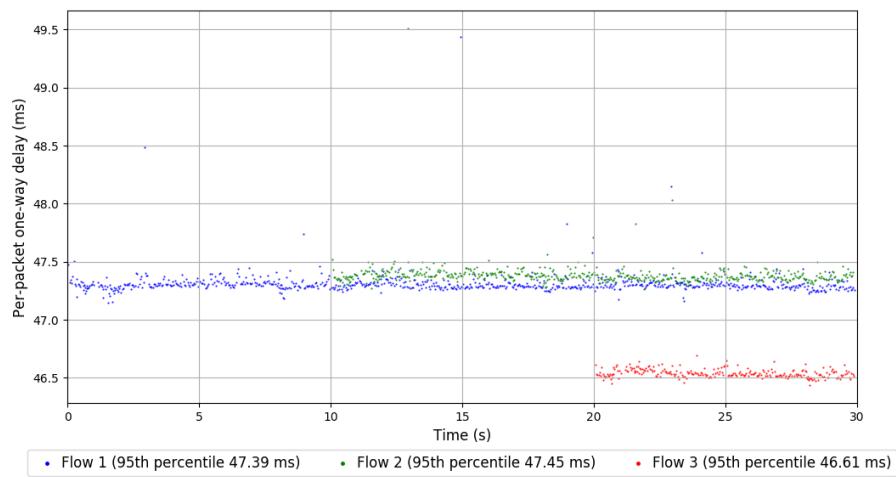
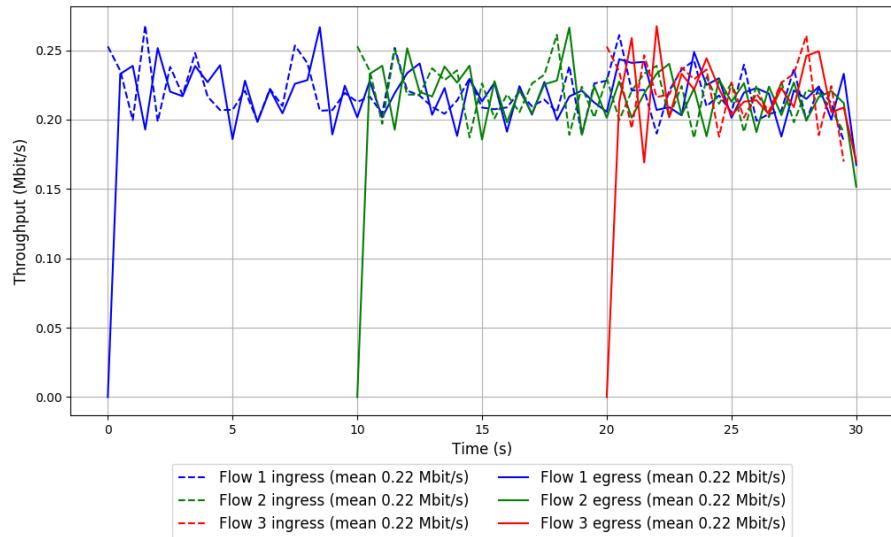


Run 4: Statistics of SCReAM

```
Start at: 2019-07-13 04:03:20
End at: 2019-07-13 04:03:50
Local clock offset: -0.026 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.429 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.393 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.454 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.607 ms
Loss rate: 0.74%
```

## Run 4: Report of SCReAM — Data Link

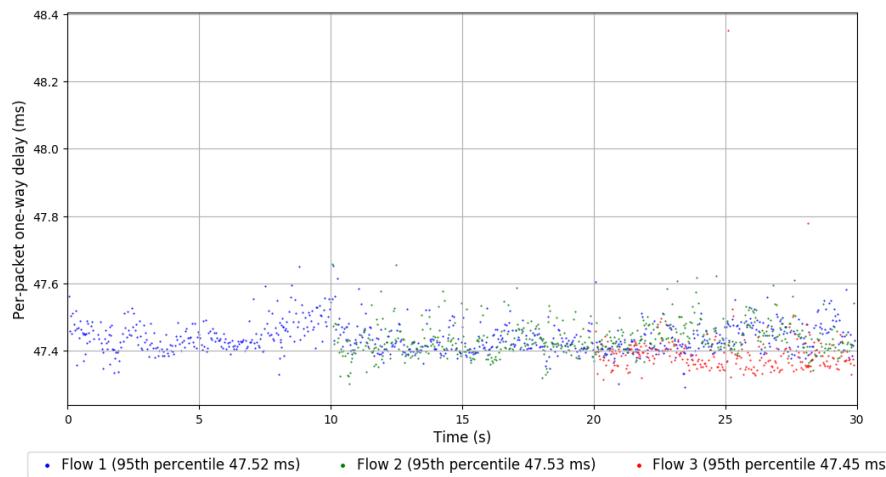
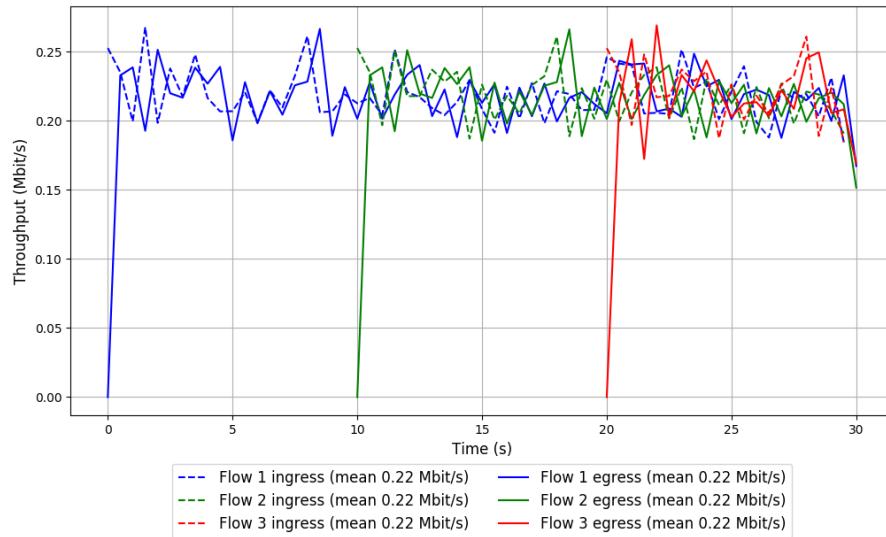


Run 5: Statistics of SCReAM

```
Start at: 2019-07-13 04:43:29
End at: 2019-07-13 04:43:59
Local clock offset: -0.002 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 47.520 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.521 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.532 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 1.09%
```

Run 5: Report of SCReAM — Data Link

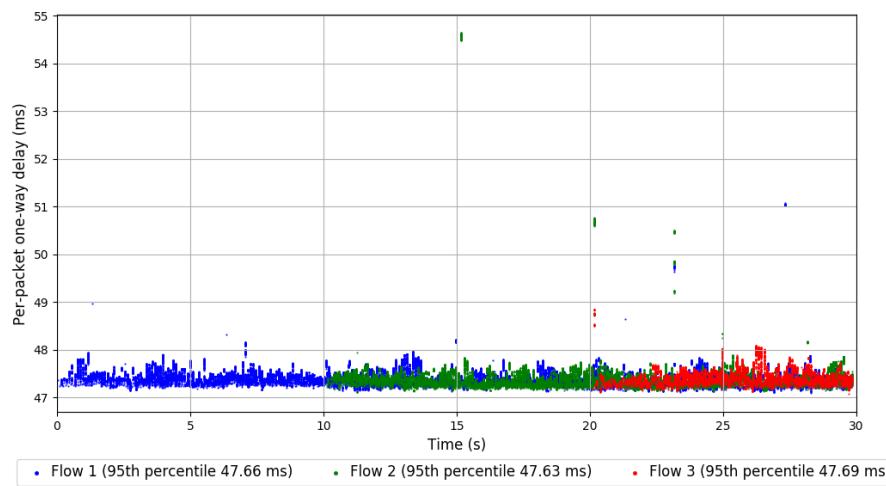
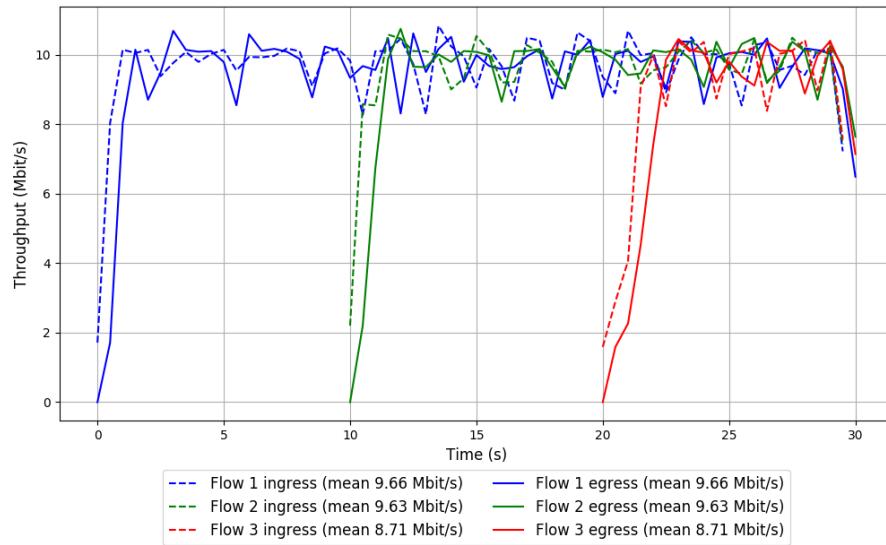


Run 1: Statistics of Sprout

```
Start at: 2019-07-13 01:53:54
End at: 2019-07-13 01:54:24
Local clock offset: 0.062 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: 47.658 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 47.663 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 47.633 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 47.689 ms
Loss rate: 0.89%
```

Run 1: Report of Sprout — Data Link

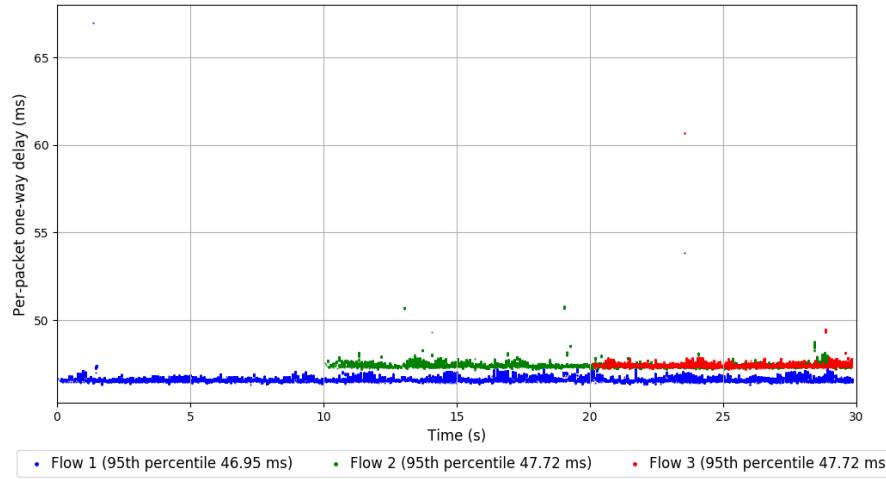
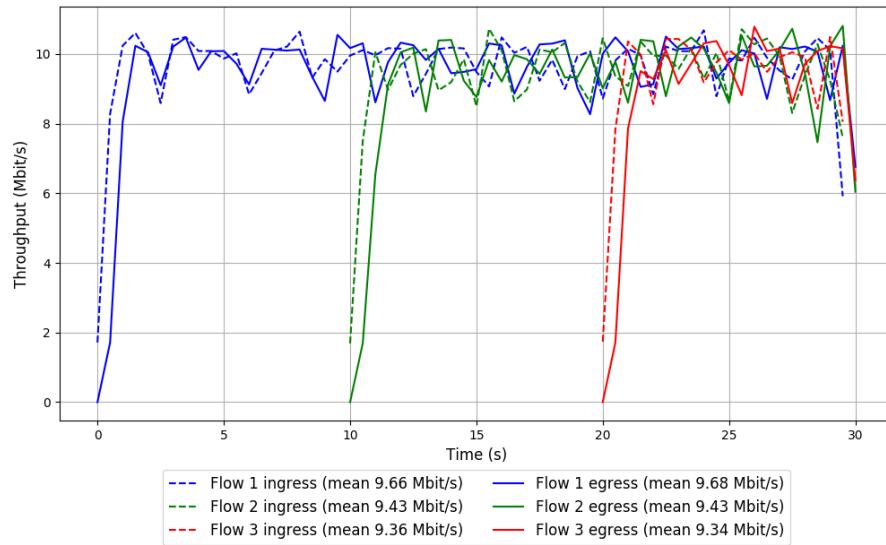


Run 2: Statistics of Sprout

```
Start at: 2019-07-13 02:34:04
End at: 2019-07-13 02:34:34
Local clock offset: 0.009 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 47.609 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 46.949 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 9.43 Mbit/s
95th percentile per-packet one-way delay: 47.717 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 47.719 ms
Loss rate: 1.09%
```

## Run 2: Report of Sprout — Data Link

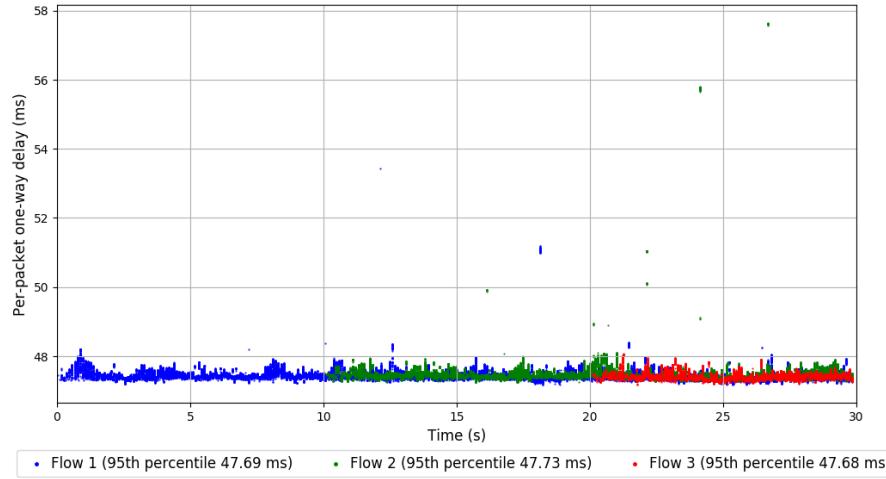
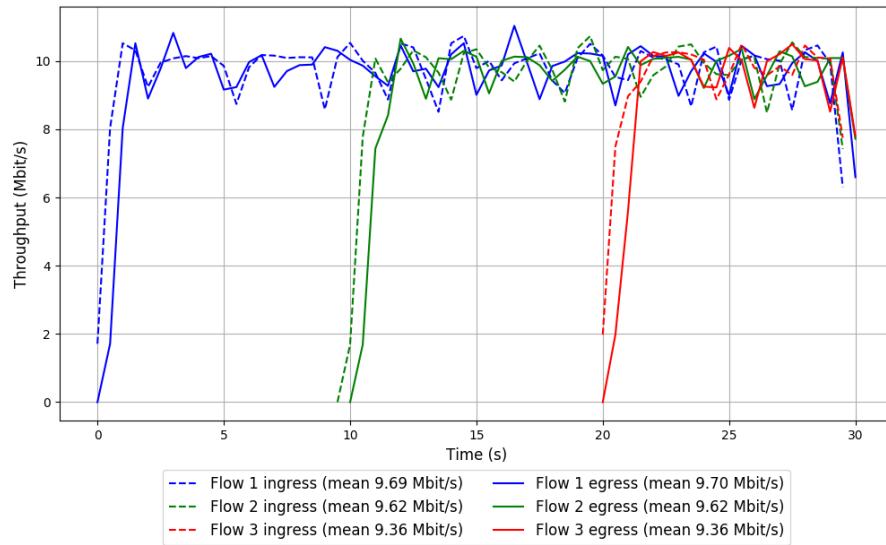


Run 3: Statistics of Sprout

```
Start at: 2019-07-13 03:14:31
End at: 2019-07-13 03:15:01
Local clock offset: -0.051 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.17 Mbit/s
95th percentile per-packet one-way delay: 47.704 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 47.689 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 47.730 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 47.676 ms
Loss rate: 1.05%
```

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

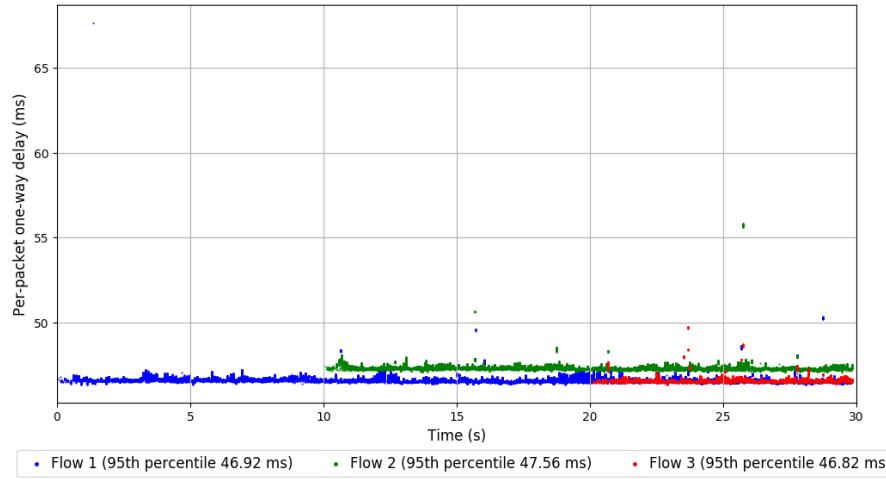
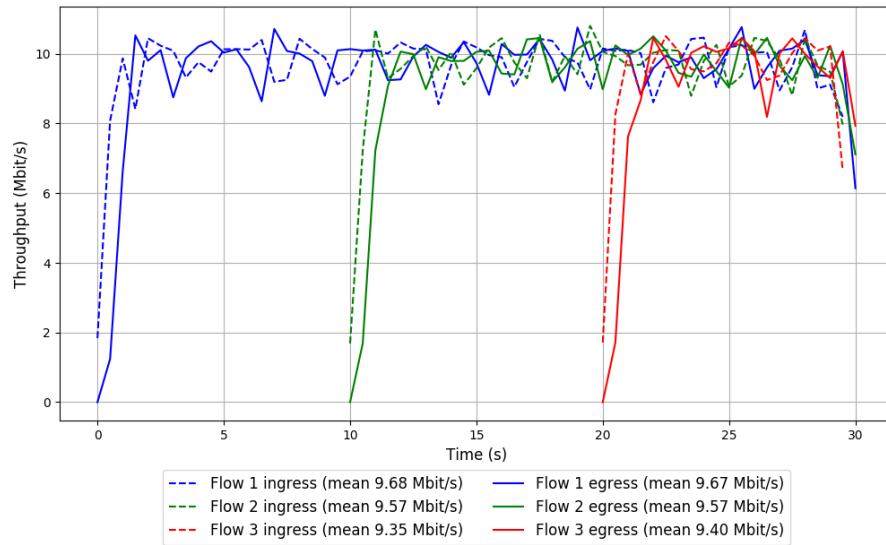


Run 4: Statistics of Sprout

```
Start at: 2019-07-13 03:54:34
End at: 2019-07-13 03:55:04
Local clock offset: -0.057 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 47.461 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 46.919 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 47.564 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 46.818 ms
Loss rate: 0.31%
```

## Run 4: Report of Sprout — Data Link

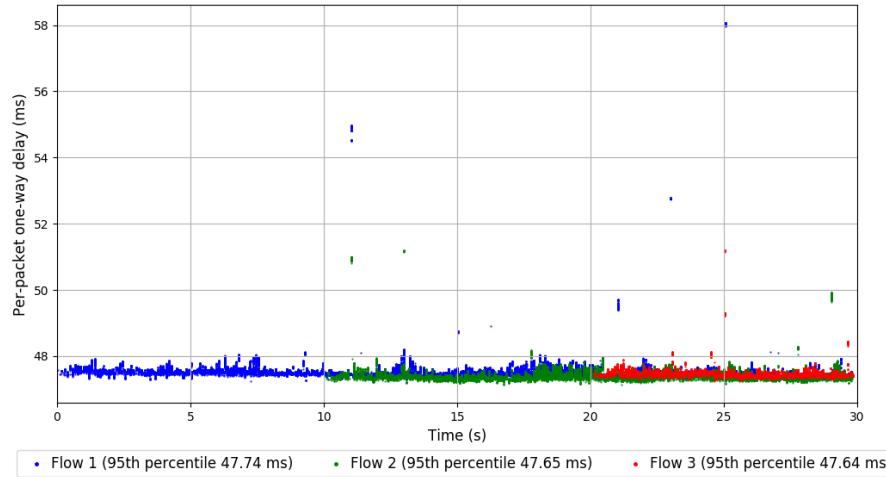
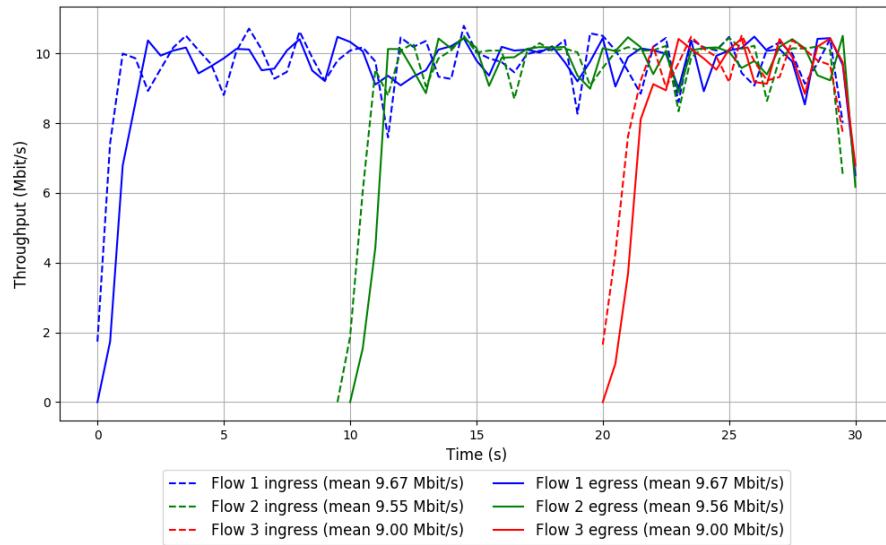


Run 5: Statistics of Sprout

```
Start at: 2019-07-13 04:34:37
End at: 2019-07-13 04:35:07
Local clock offset: 0.066 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2019-07-13 07:57:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 47.701 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 47.745 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 47.651 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 47.644 ms
Loss rate: 1.08%
```

## Run 5: Report of Sprout — Data Link

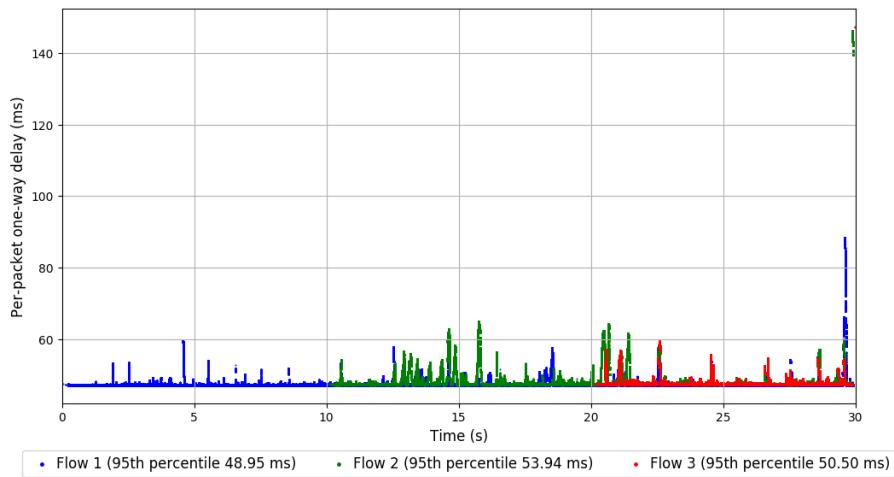
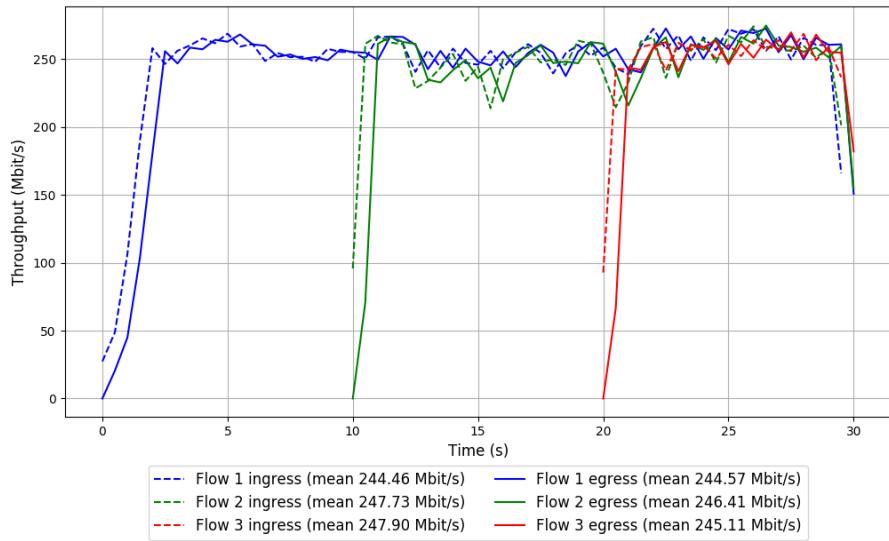


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-13 01:55:07
End at: 2019-07-13 01:55:37
Local clock offset: 0.054 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-07-13 08:06:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 488.95 Mbit/s
95th percentile per-packet one-way delay: 50.728 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 244.57 Mbit/s
95th percentile per-packet one-way delay: 48.949 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 246.41 Mbit/s
95th percentile per-packet one-way delay: 53.938 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 245.11 Mbit/s
95th percentile per-packet one-way delay: 50.497 ms
Loss rate: 1.60%
```

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

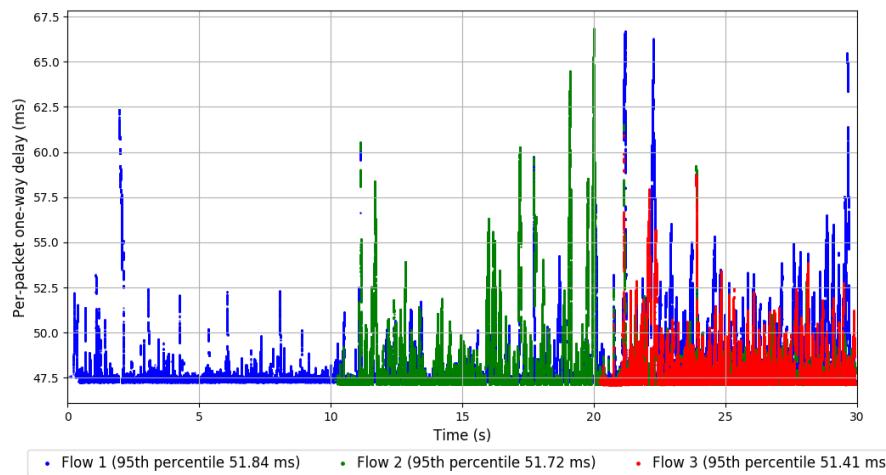
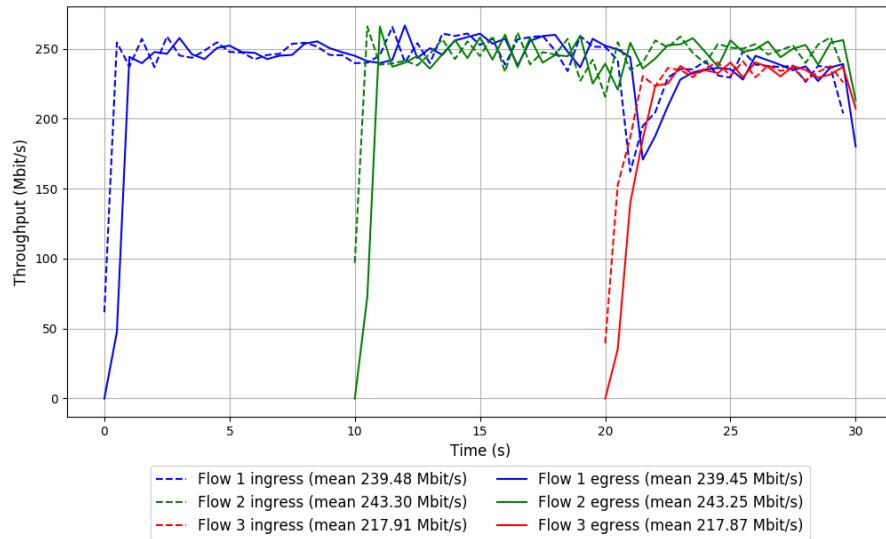


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-13 02:35:17
End at: 2019-07-13 02:35:47
Local clock offset: 0.054 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2019-07-13 08:06:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.19 Mbit/s
95th percentile per-packet one-way delay: 51.702 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 239.45 Mbit/s
95th percentile per-packet one-way delay: 51.845 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 243.25 Mbit/s
95th percentile per-packet one-way delay: 51.719 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 217.87 Mbit/s
95th percentile per-packet one-way delay: 51.407 ms
Loss rate: 0.97%
```

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

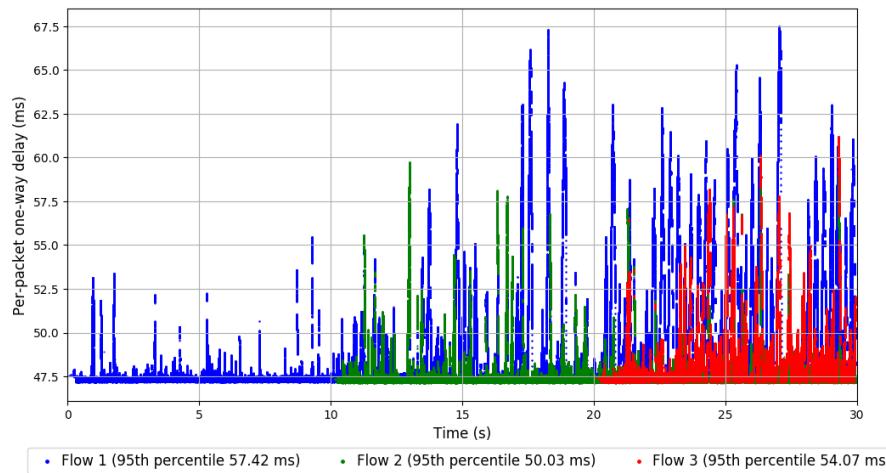
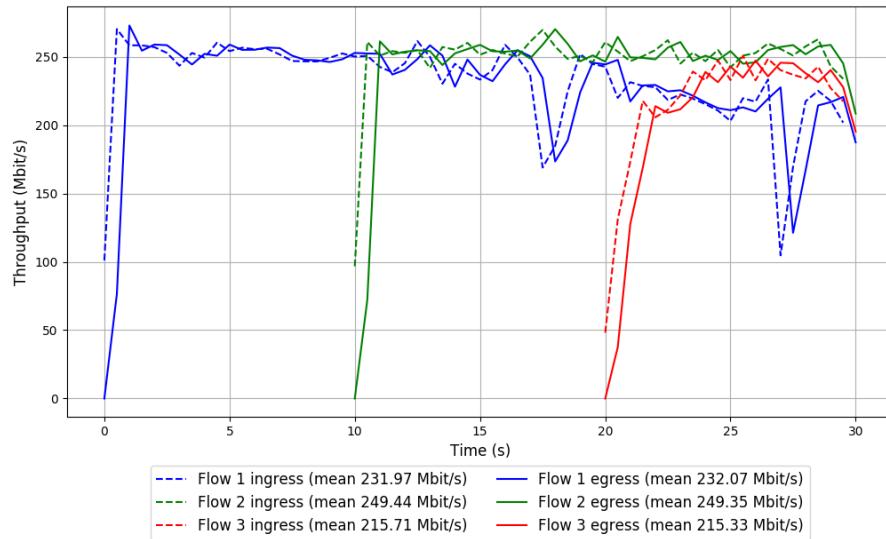


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-13 03:15:43
End at: 2019-07-13 03:16:13
Local clock offset: -0.049 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-07-13 08:06:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.90 Mbit/s
95th percentile per-packet one-way delay: 54.956 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 232.07 Mbit/s
95th percentile per-packet one-way delay: 57.416 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 249.35 Mbit/s
95th percentile per-packet one-way delay: 50.031 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 215.33 Mbit/s
95th percentile per-packet one-way delay: 54.067 ms
Loss rate: 1.13%
```

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

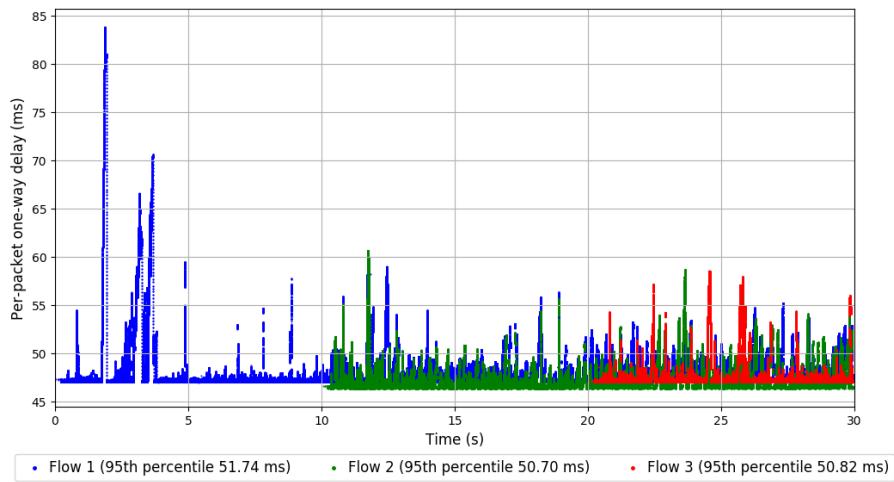
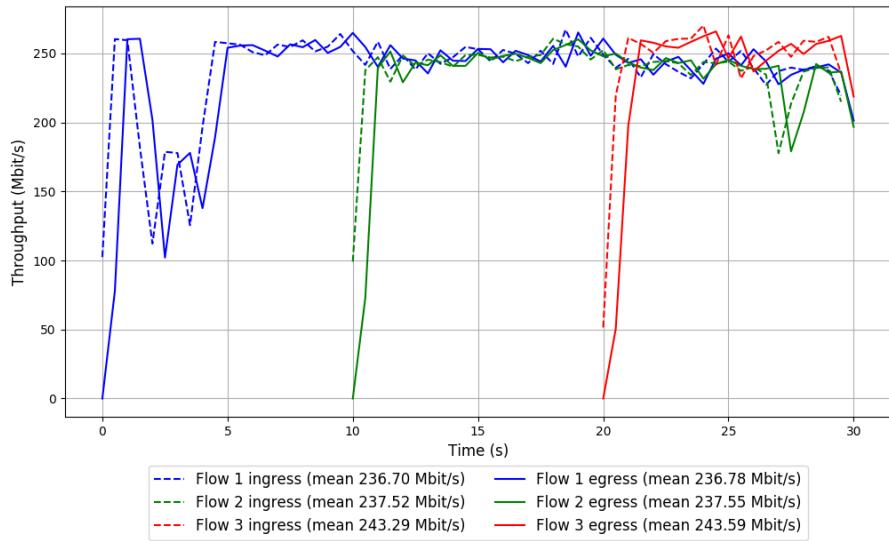


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-13 03:55:47
End at: 2019-07-13 03:56:17
Local clock offset: -0.038 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2019-07-13 08:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 475.22 Mbit/s
95th percentile per-packet one-way delay: 51.194 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 236.78 Mbit/s
95th percentile per-packet one-way delay: 51.744 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 237.55 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 243.59 Mbit/s
95th percentile per-packet one-way delay: 50.823 ms
Loss rate: 0.84%
```

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

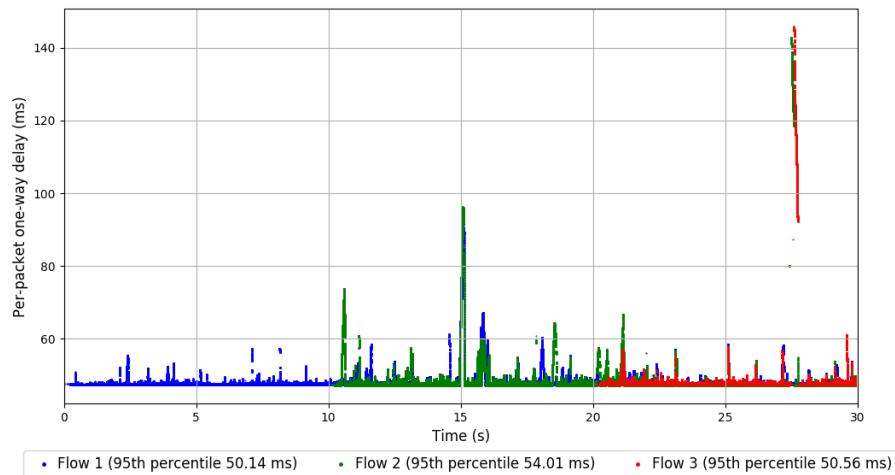
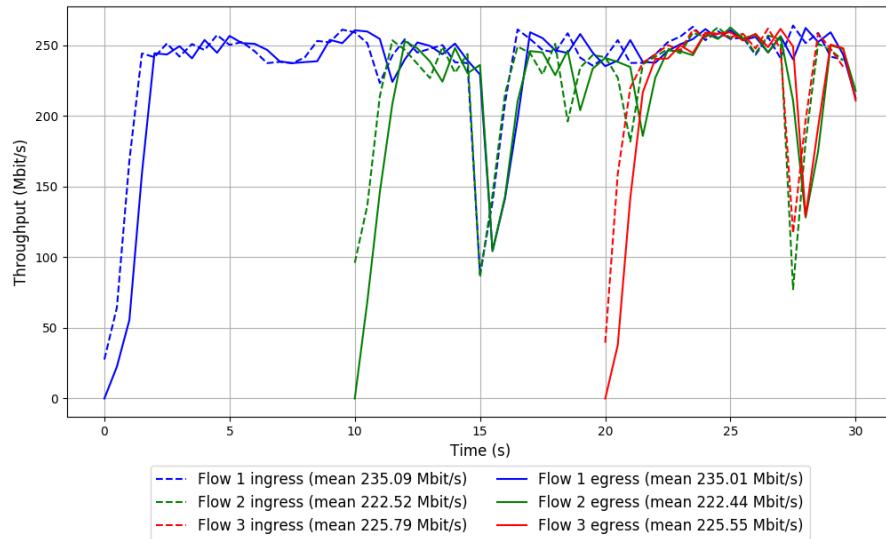


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-13 04:35:50
End at: 2019-07-13 04:36:20
Local clock offset: -0.001 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2019-07-13 08:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.39 Mbit/s
95th percentile per-packet one-way delay: 51.210 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 235.01 Mbit/s
95th percentile per-packet one-way delay: 50.136 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 222.44 Mbit/s
95th percentile per-packet one-way delay: 54.011 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 225.55 Mbit/s
95th percentile per-packet one-way delay: 50.563 ms
Loss rate: 1.06%
```

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

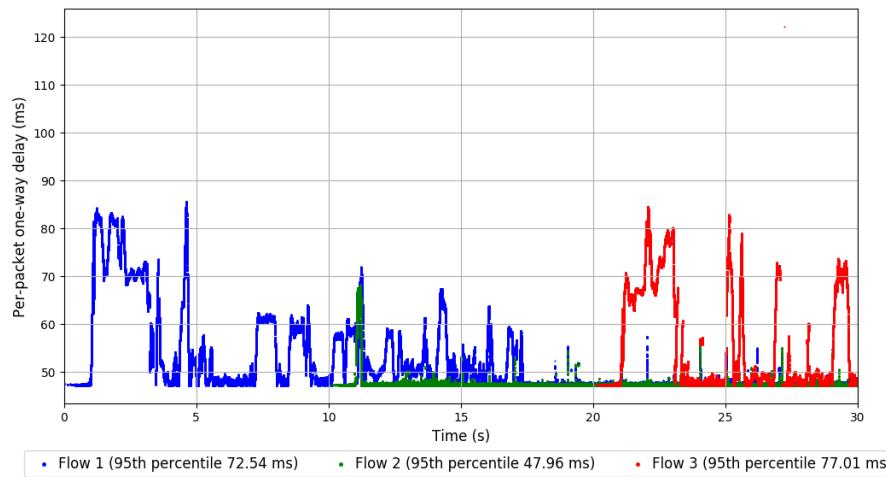
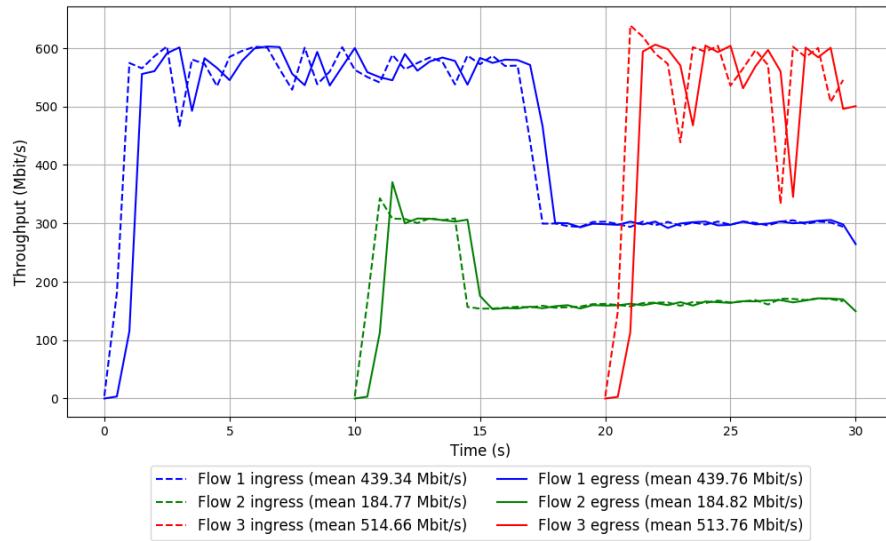


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-13 01:50:28
End at: 2019-07-13 01:50:58
Local clock offset: 0.058 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-07-13 08:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 732.29 Mbit/s
95th percentile per-packet one-way delay: 72.833 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 439.76 Mbit/s
95th percentile per-packet one-way delay: 72.537 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 184.82 Mbit/s
95th percentile per-packet one-way delay: 47.957 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 513.76 Mbit/s
95th percentile per-packet one-way delay: 77.012 ms
Loss rate: 1.12%
```

Run 1: Report of TCP Vegas — Data Link

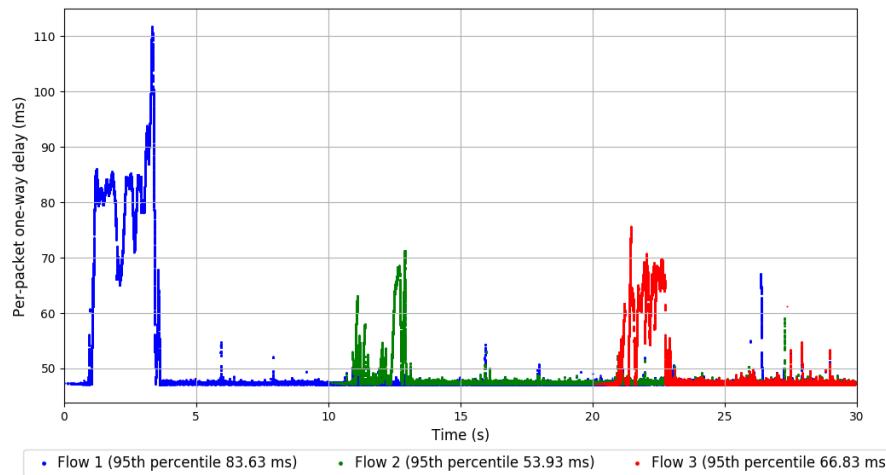
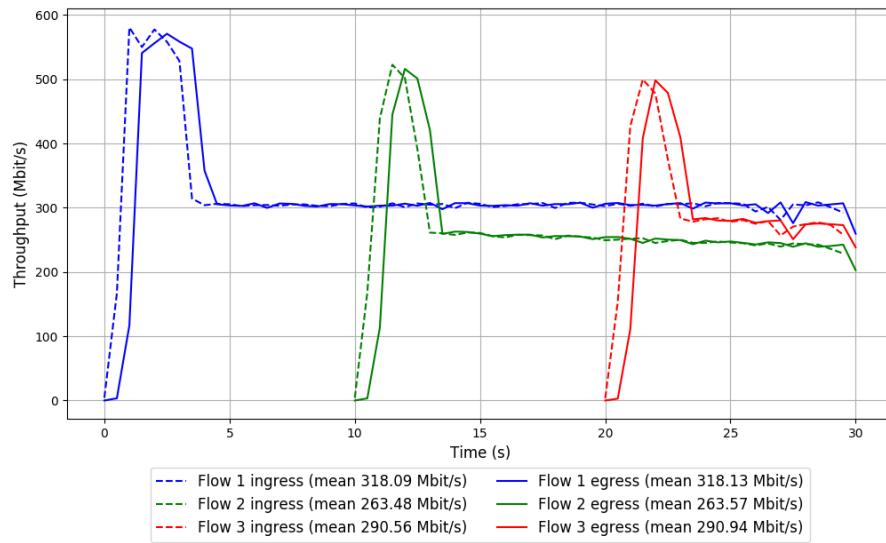


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-13 02:30:42
End at: 2019-07-13 02:31:12
Local clock offset: 0.039 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2019-07-13 08:07:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 589.51 Mbit/s
95th percentile per-packet one-way delay: 79.845 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 318.13 Mbit/s
95th percentile per-packet one-way delay: 83.629 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 263.57 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 290.94 Mbit/s
95th percentile per-packet one-way delay: 66.826 ms
Loss rate: 0.82%
```

Run 2: Report of TCP Vegas — Data Link

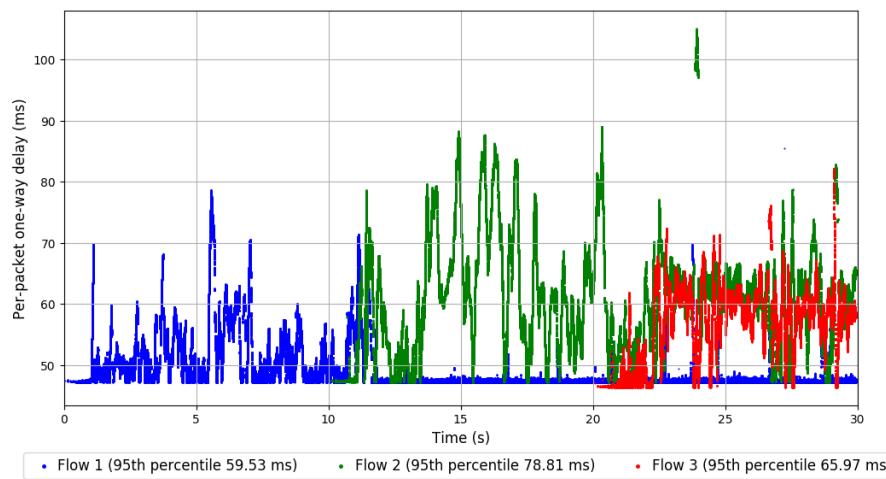
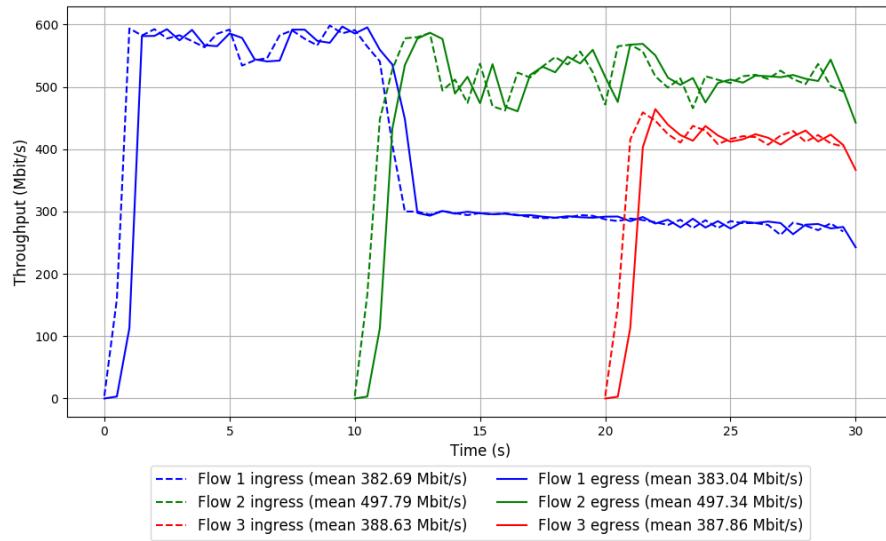


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-13 03:10:51
End at: 2019-07-13 03:11:21
Local clock offset: -0.007 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2019-07-13 08:14:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 841.88 Mbit/s
95th percentile per-packet one-way delay: 71.493 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 383.04 Mbit/s
95th percentile per-packet one-way delay: 59.531 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 497.34 Mbit/s
95th percentile per-packet one-way delay: 78.808 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 387.86 Mbit/s
95th percentile per-packet one-way delay: 65.972 ms
Loss rate: 1.14%
```

Run 3: Report of TCP Vegas — Data Link

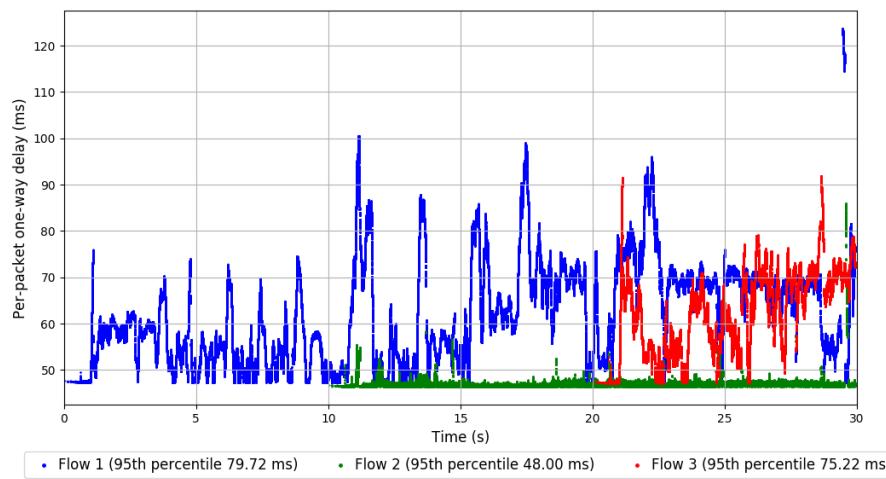
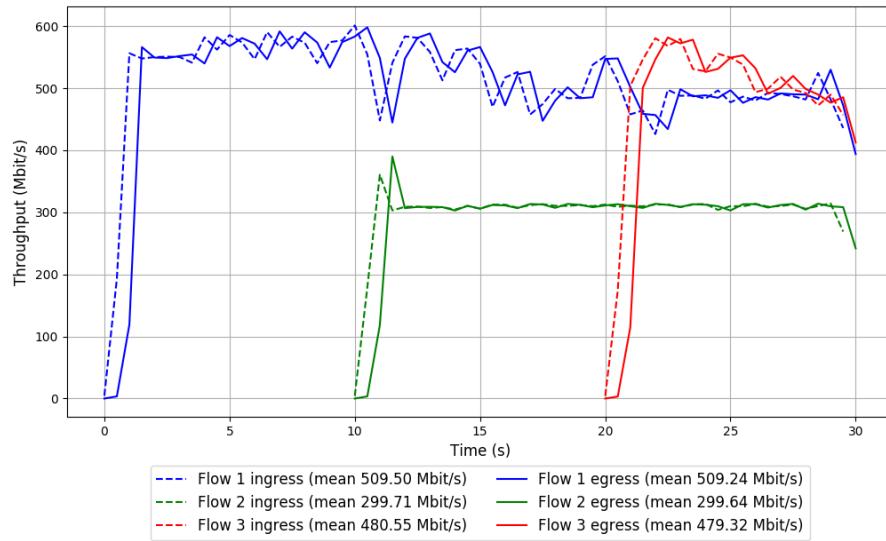


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-13 03:50:59
End at: 2019-07-13 03:51:29
Local clock offset: -0.035 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2019-07-13 08:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 866.87 Mbit/s
95th percentile per-packet one-way delay: 76.602 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 509.24 Mbit/s
95th percentile per-packet one-way delay: 79.717 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 299.64 Mbit/s
95th percentile per-packet one-way delay: 48.004 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 479.32 Mbit/s
95th percentile per-packet one-way delay: 75.222 ms
Loss rate: 1.19%
```

Run 4: Report of TCP Vegas — Data Link

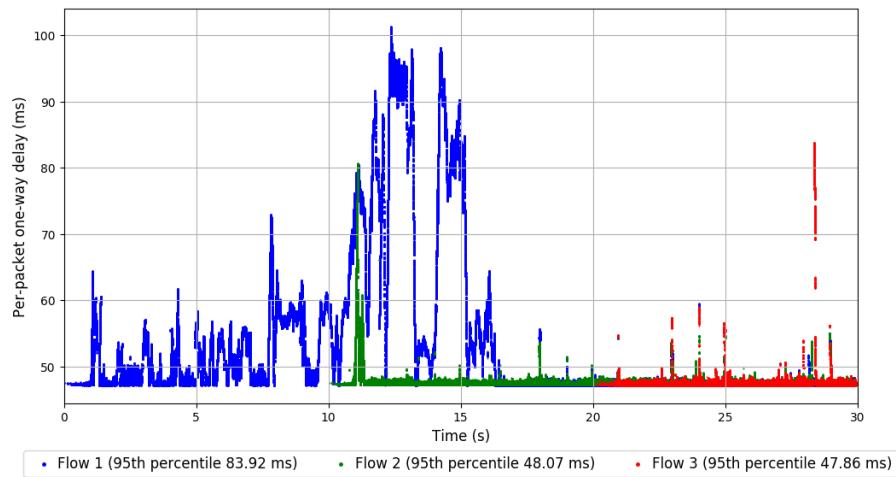
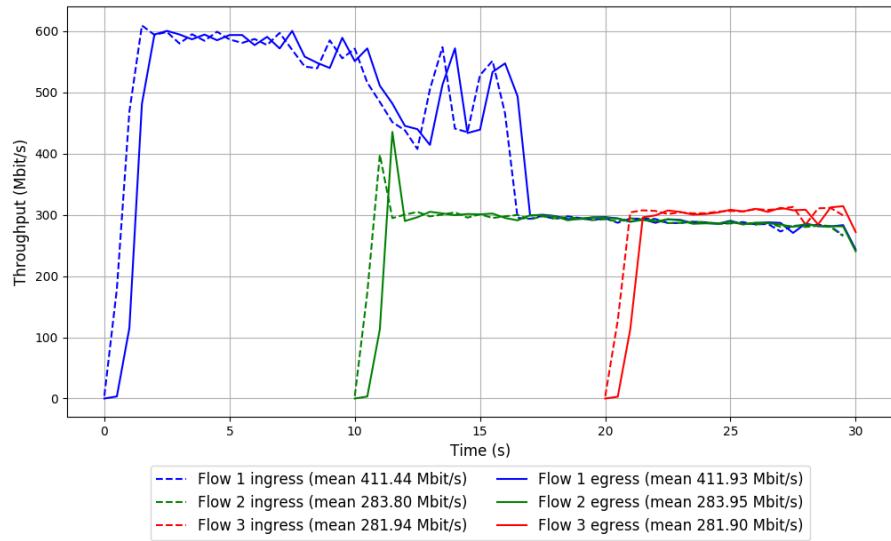


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-13 04:31:10
End at: 2019-07-13 04:31:40
Local clock offset: 0.02 ms
Remote clock offset: 0.062 ms

# Below is generated by plot.py at 2019-07-13 08:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 693.92 Mbit/s
95th percentile per-packet one-way delay: 76.448 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 411.93 Mbit/s
95th percentile per-packet one-way delay: 83.920 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 283.95 Mbit/s
95th percentile per-packet one-way delay: 48.074 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 281.90 Mbit/s
95th percentile per-packet one-way delay: 47.861 ms
Loss rate: 0.98%
```

Run 5: Report of TCP Vegas — Data Link

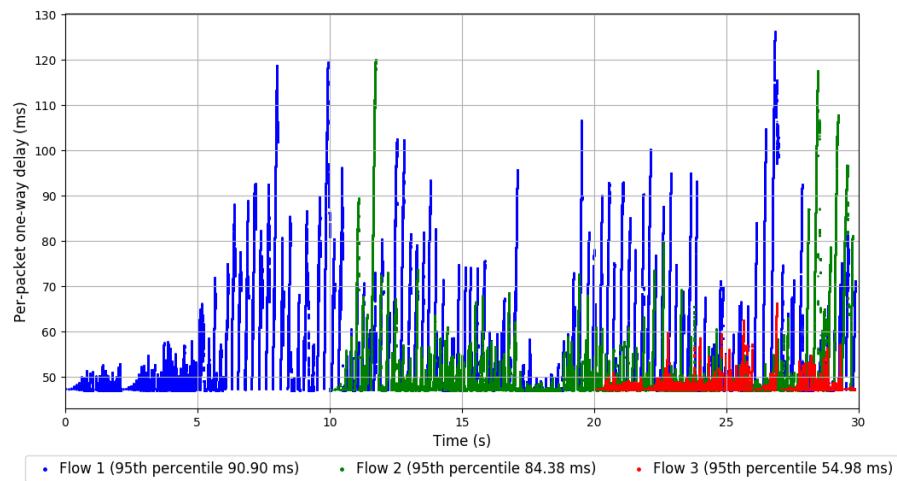
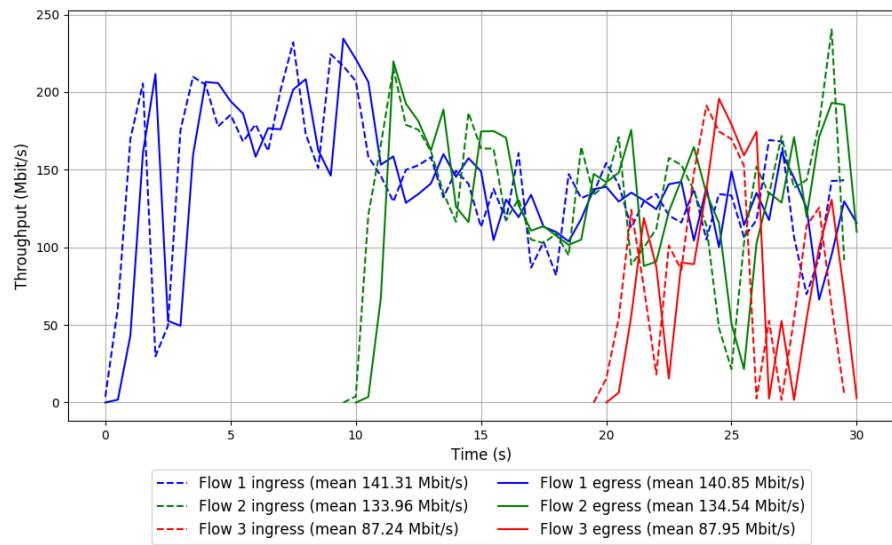


Run 1: Statistics of Verus

```
Start at: 2019-07-13 02:14:39
End at: 2019-07-13 02:15:09
Local clock offset: 0.04 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2019-07-13 08:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 258.83 Mbit/s
95th percentile per-packet one-way delay: 88.224 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 140.85 Mbit/s
95th percentile per-packet one-way delay: 90.904 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 134.54 Mbit/s
95th percentile per-packet one-way delay: 84.378 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 54.984 ms
Loss rate: 0.17%
```

Run 1: Report of Verus — Data Link

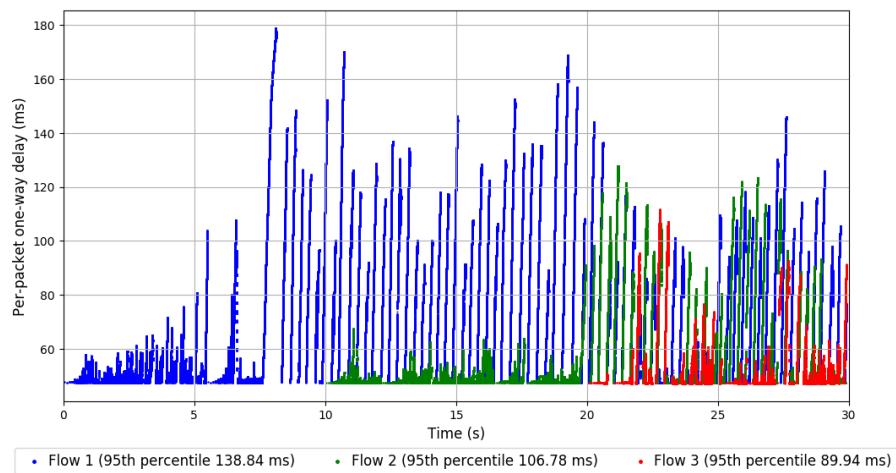
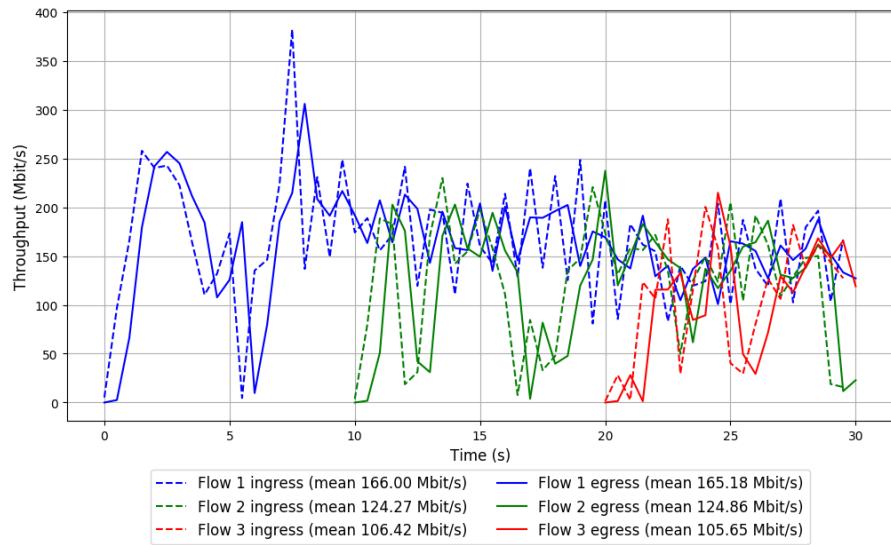


Run 2: Statistics of Verus

```
Start at: 2019-07-13 02:54:49
End at: 2019-07-13 02:55:19
Local clock offset: 0.044 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2019-07-13 08:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 282.85 Mbit/s
95th percentile per-packet one-way delay: 126.863 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 165.18 Mbit/s
95th percentile per-packet one-way delay: 138.841 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 124.86 Mbit/s
95th percentile per-packet one-way delay: 106.785 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 105.65 Mbit/s
95th percentile per-packet one-way delay: 89.944 ms
Loss rate: 0.56%
```

## Run 2: Report of Verus — Data Link

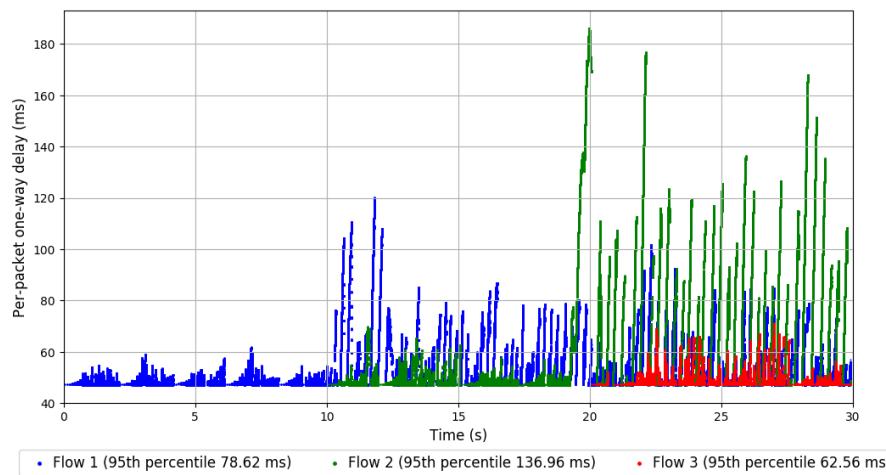
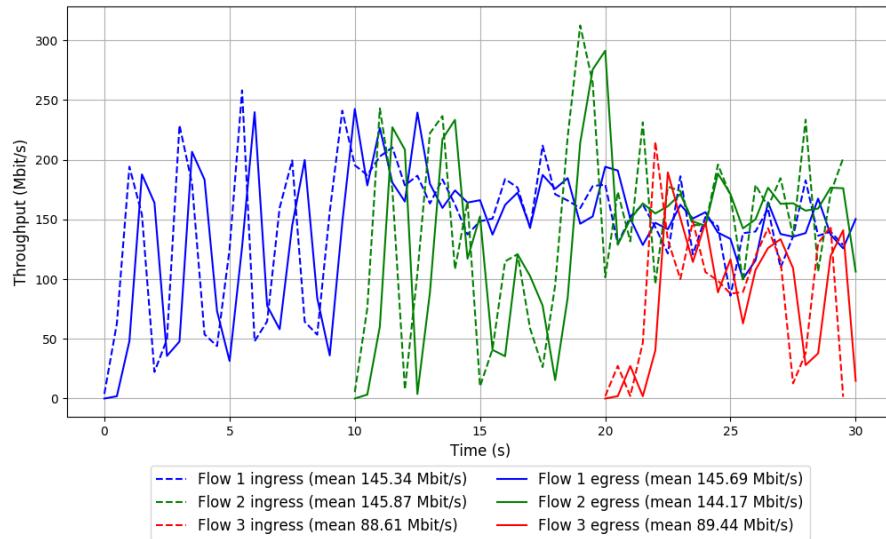


Run 3: Statistics of Verus

```
Start at: 2019-07-13 03:34:57
End at: 2019-07-13 03:35:27
Local clock offset: -0.088 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2019-07-13 08:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.99 Mbit/s
95th percentile per-packet one-way delay: 107.655 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 145.69 Mbit/s
95th percentile per-packet one-way delay: 78.619 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 144.17 Mbit/s
95th percentile per-packet one-way delay: 136.963 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 62.563 ms
Loss rate: 0.02%
```

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

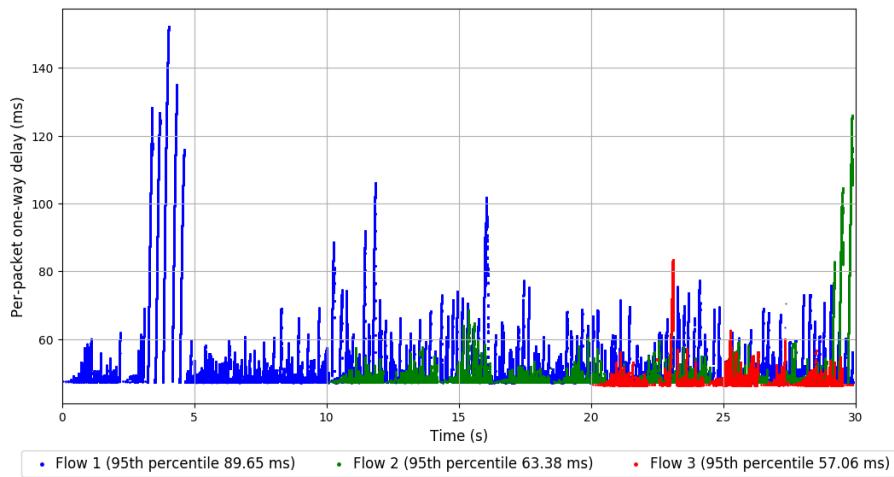
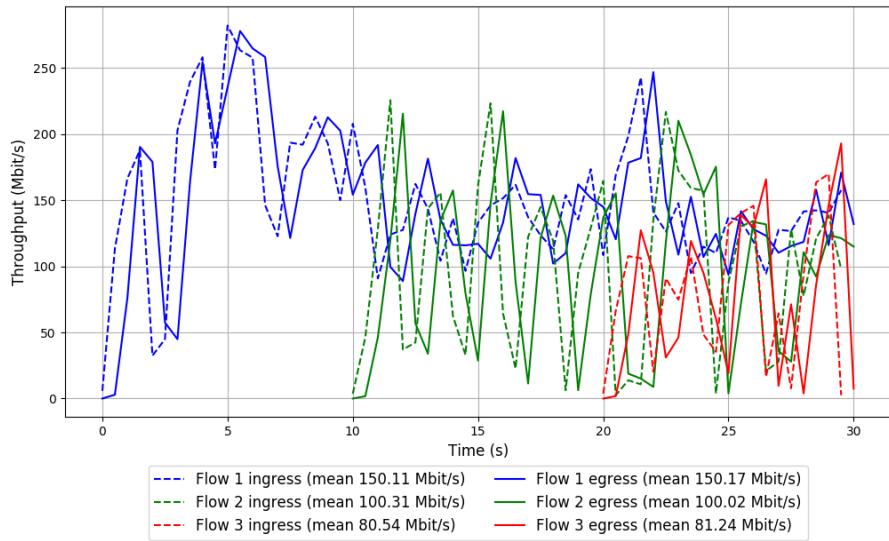


Run 4: Statistics of Verus

```
Start at: 2019-07-13 04:15:14
End at: 2019-07-13 04:15:44
Local clock offset: 0.032 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-07-13 08:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 243.29 Mbit/s
95th percentile per-packet one-way delay: 77.881 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 150.17 Mbit/s
95th percentile per-packet one-way delay: 89.651 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 100.02 Mbit/s
95th percentile per-packet one-way delay: 63.385 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 57.065 ms
Loss rate: 0.10%
```

Run 4: Report of Verus — Data Link

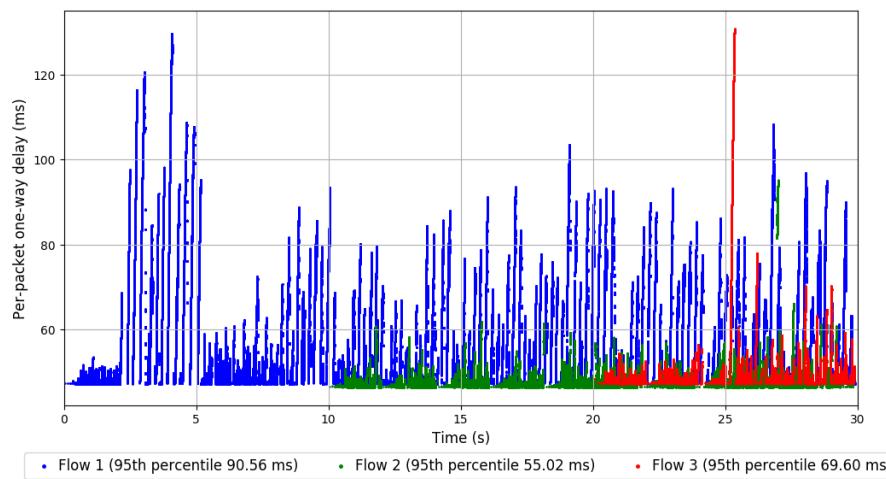
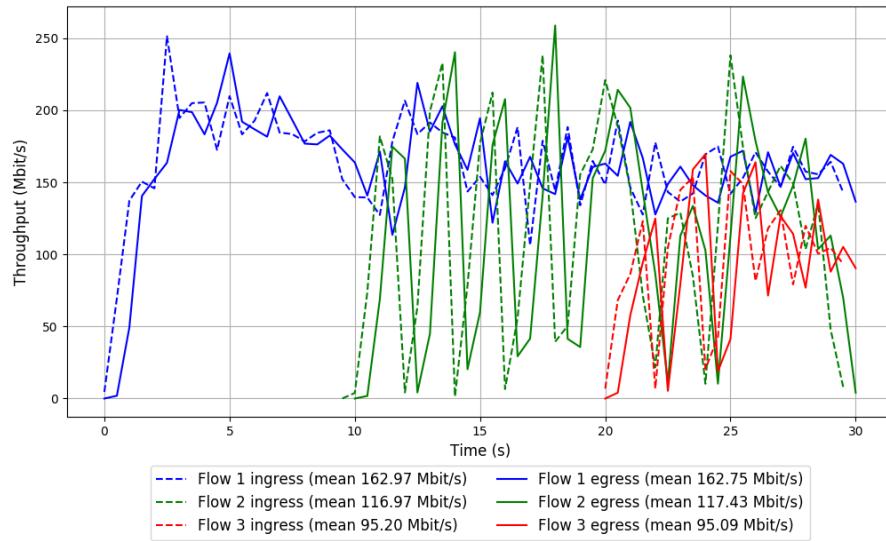


Run 5: Statistics of Verus

```
Start at: 2019-07-13 04:55:28
End at: 2019-07-13 04:55:58
Local clock offset: -0.048 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2019-07-13 08:19:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 271.88 Mbit/s
95th percentile per-packet one-way delay: 85.599 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 162.75 Mbit/s
95th percentile per-packet one-way delay: 90.564 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 117.43 Mbit/s
95th percentile per-packet one-way delay: 55.016 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 69.598 ms
Loss rate: 1.07%
```

Run 5: Report of Verus — Data Link

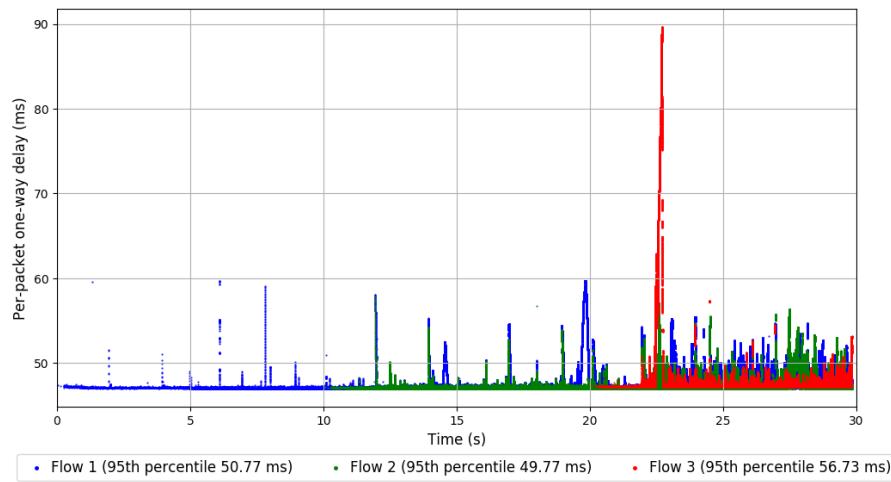
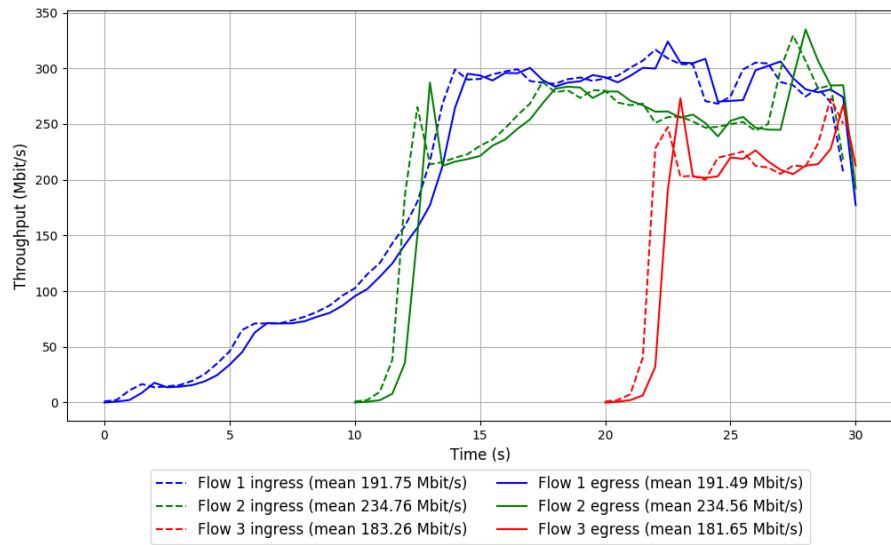


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-07-13 01:52:16
End at: 2019-07-13 01:52:46
Local clock offset: 0.043 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2019-07-13 08:21:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 406.64 Mbit/s
95th percentile per-packet one-way delay: 50.462 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 191.49 Mbit/s
95th percentile per-packet one-way delay: 50.765 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 234.56 Mbit/s
95th percentile per-packet one-way delay: 49.775 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 181.65 Mbit/s
95th percentile per-packet one-way delay: 56.735 ms
Loss rate: 1.84%
```

Run 1: Report of PCC-Vivace — Data Link

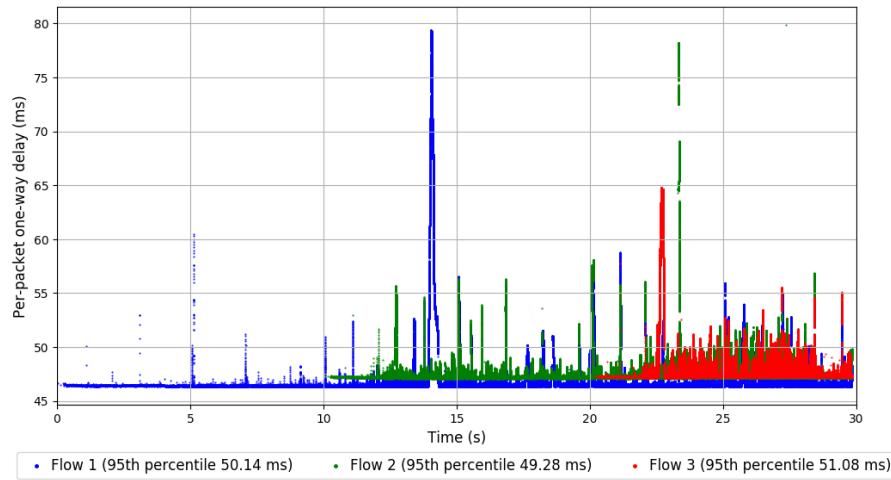
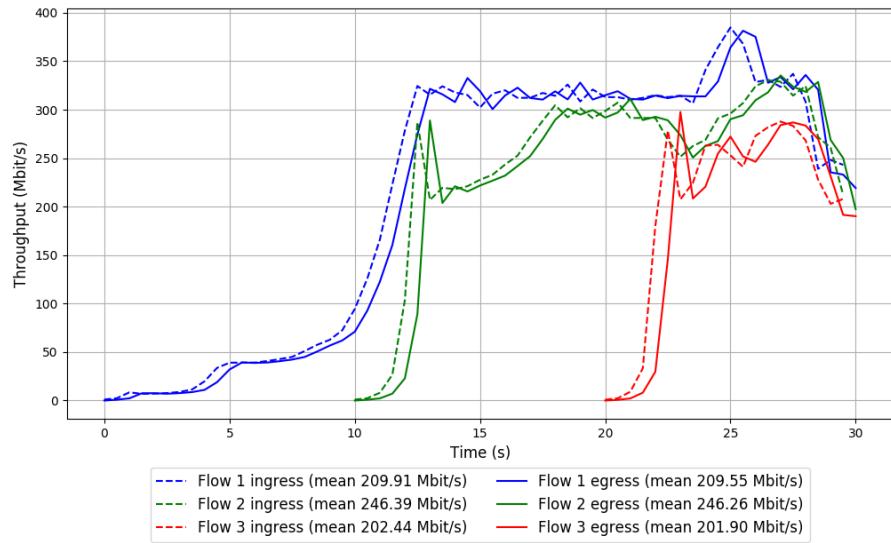


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-13 02:32:23
End at: 2019-07-13 02:32:53
Local clock offset: 0.018 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2019-07-13 08:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 439.19 Mbit/s
95th percentile per-packet one-way delay: 49.996 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 209.55 Mbit/s
95th percentile per-packet one-way delay: 50.140 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 246.26 Mbit/s
95th percentile per-packet one-way delay: 49.276 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 201.90 Mbit/s
95th percentile per-packet one-way delay: 51.080 ms
Loss rate: 1.26%
```

Run 2: Report of PCC-Vivace — Data Link

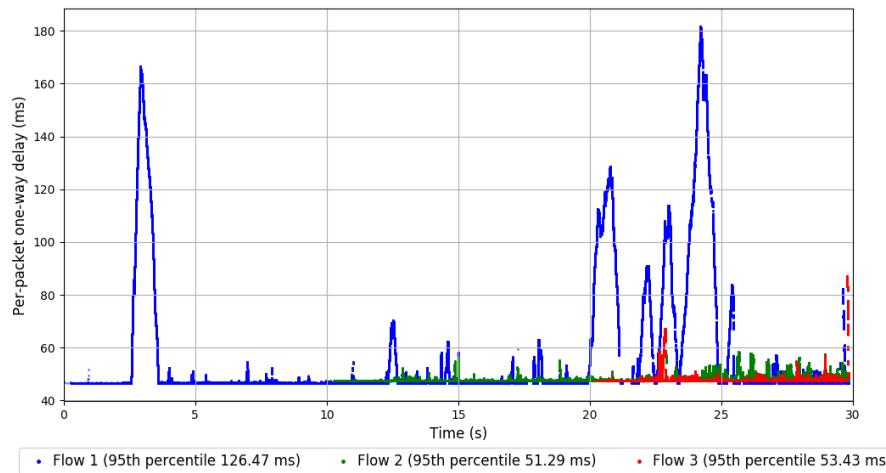
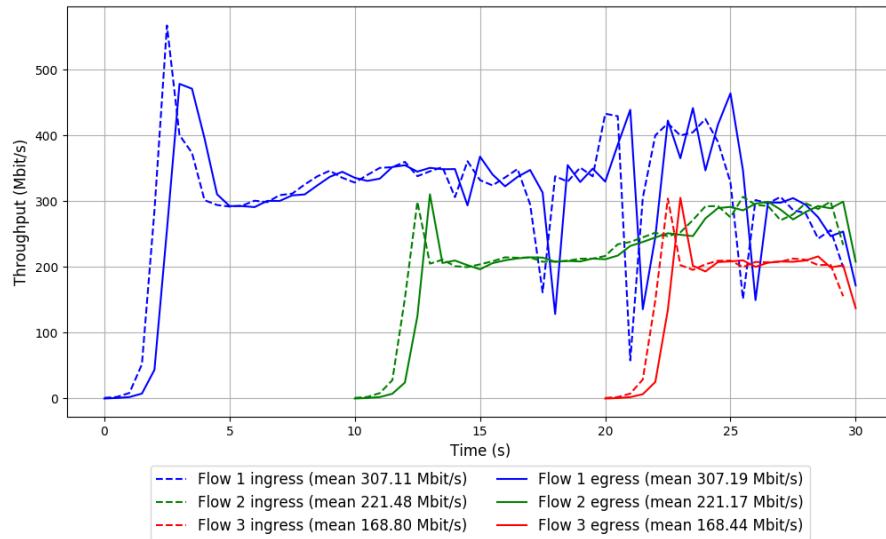


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-13 03:12:45
End at: 2019-07-13 03:13:15
Local clock offset: -0.025 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2019-07-13 08:21:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 509.19 Mbit/s
95th percentile per-packet one-way delay: 112.335 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 307.19 Mbit/s
95th percentile per-packet one-way delay: 126.475 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 221.17 Mbit/s
95th percentile per-packet one-way delay: 51.292 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 168.44 Mbit/s
95th percentile per-packet one-way delay: 53.433 ms
Loss rate: 1.18%
```

Run 3: Report of PCC-Vivace — Data Link

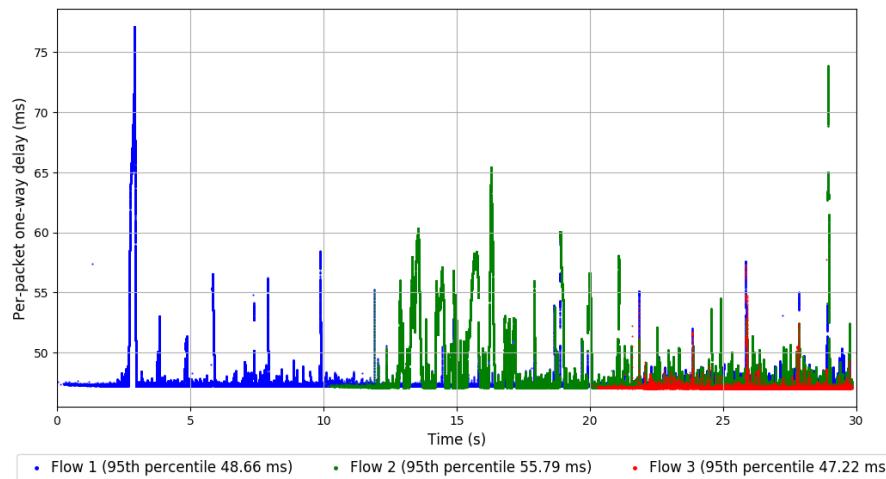
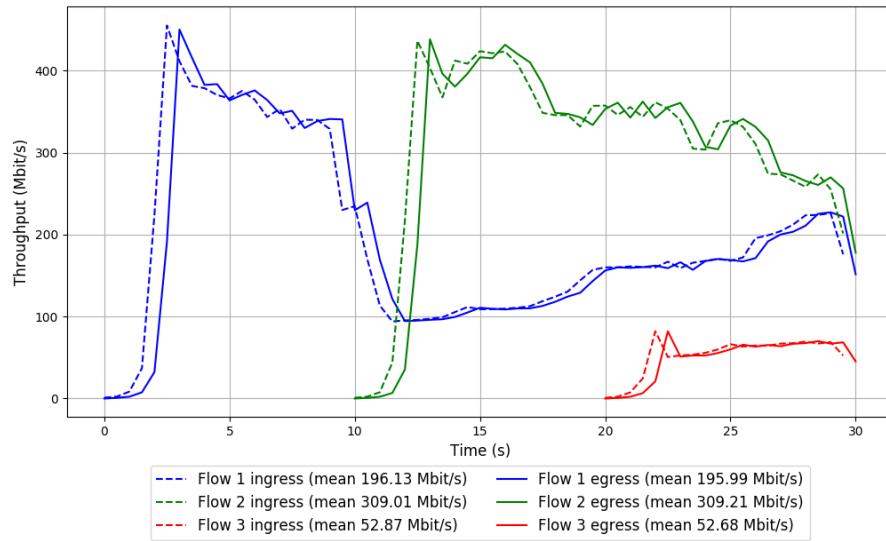


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-13 03:52:54
End at: 2019-07-13 03:53:24
Local clock offset: -0.039 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2019-07-13 08:21:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 418.44 Mbit/s
95th percentile per-packet one-way delay: 54.083 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 195.99 Mbit/s
95th percentile per-packet one-way delay: 48.656 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 309.21 Mbit/s
95th percentile per-packet one-way delay: 55.787 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 52.68 Mbit/s
95th percentile per-packet one-way delay: 47.222 ms
Loss rate: 1.32%
```

Run 4: Report of PCC-Vivace — Data Link

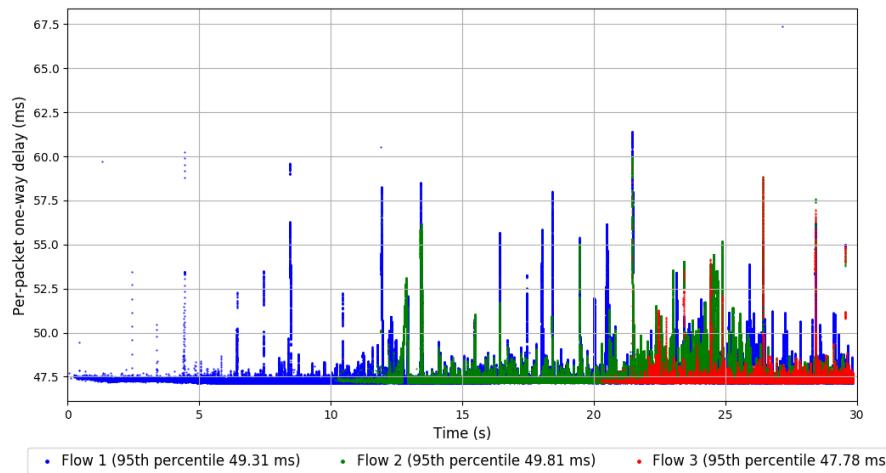
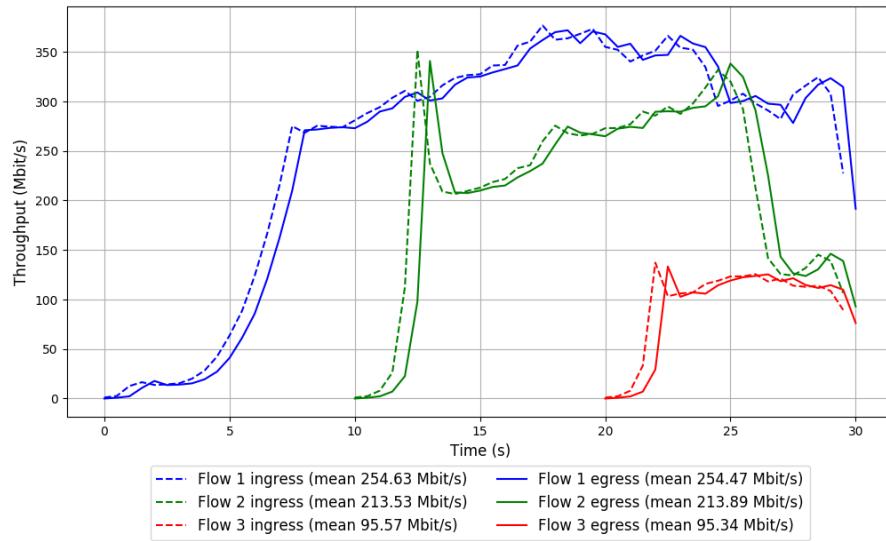


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-13 04:32:56
End at: 2019-07-13 04:33:26
Local clock offset: 0.013 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2019-07-13 08:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 427.73 Mbit/s
95th percentile per-packet one-way delay: 49.398 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 254.47 Mbit/s
95th percentile per-packet one-way delay: 49.315 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 213.89 Mbit/s
95th percentile per-packet one-way delay: 49.806 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 47.781 ms
Loss rate: 1.21%
```

Run 5: Report of PCC-Vivace — Data Link

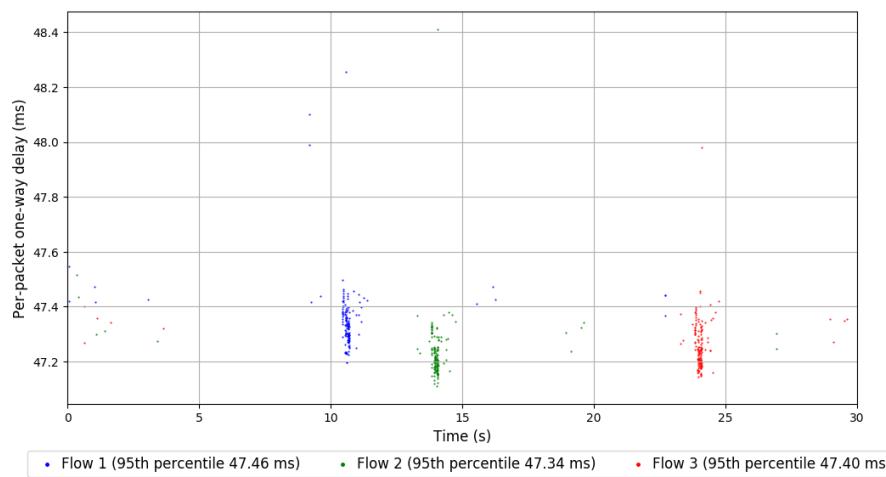
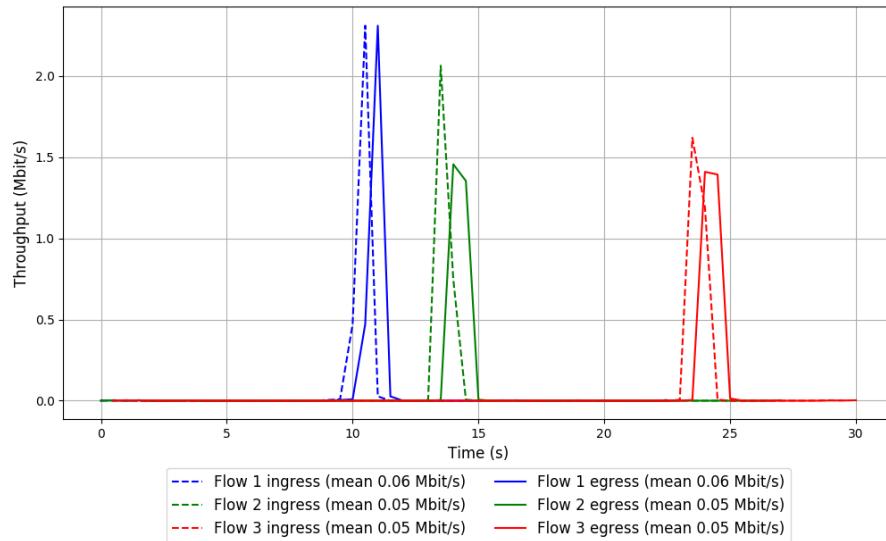


```
Run 1: Statistics of WebRTC media

Start at: 2019-07-13 02:12:11
End at: 2019-07-13 02:12:41
Local clock offset: 0.04 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2019-07-13 08:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 47.464 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.399 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

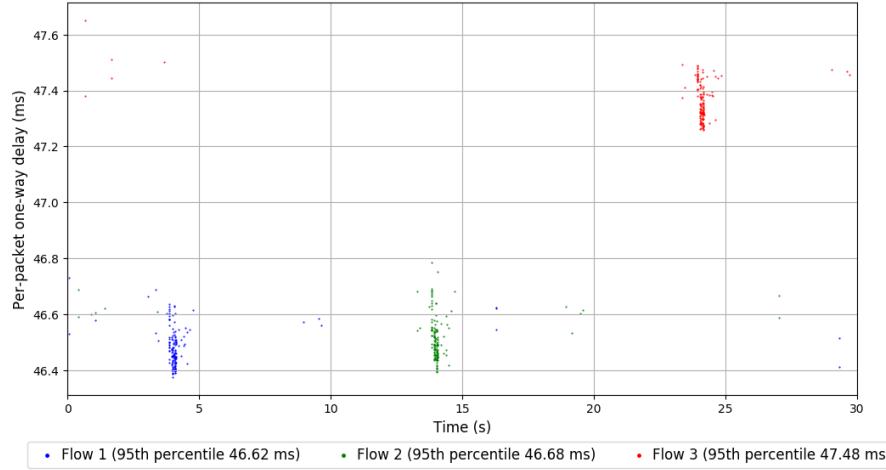
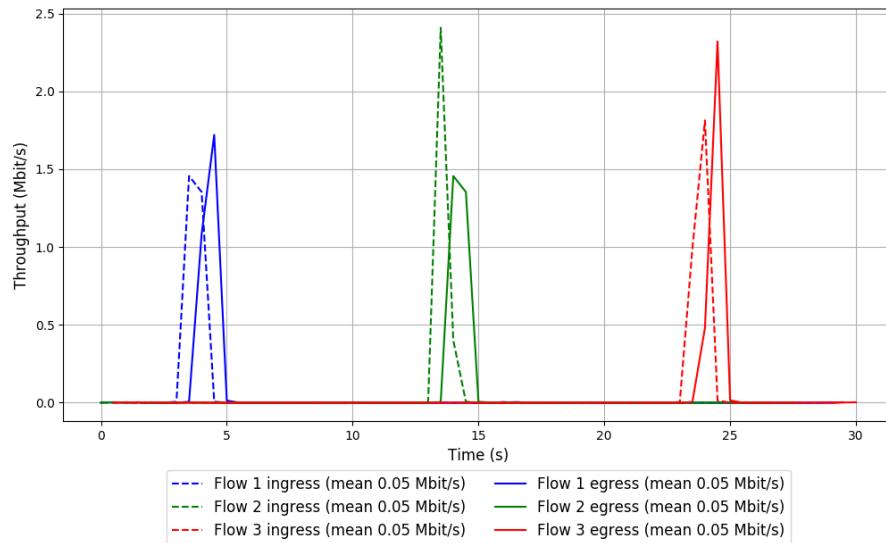


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-13 02:52:20
End at: 2019-07-13 02:52:50
Local clock offset: 0.045 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2019-07-13 08:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.681 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.477 ms
Loss rate: 0.00%
```

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

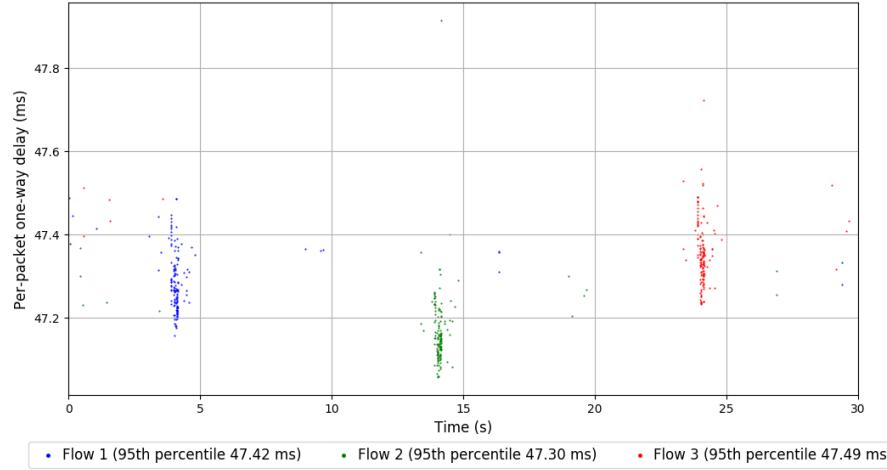
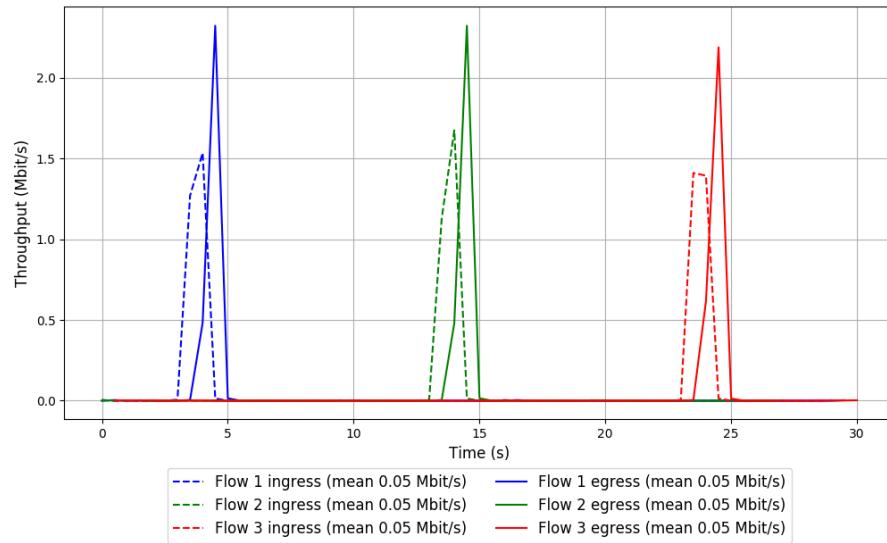


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-13 03:32:29
End at: 2019-07-13 03:32:59
Local clock offset: -0.07 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-07-13 08:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.305 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.490 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

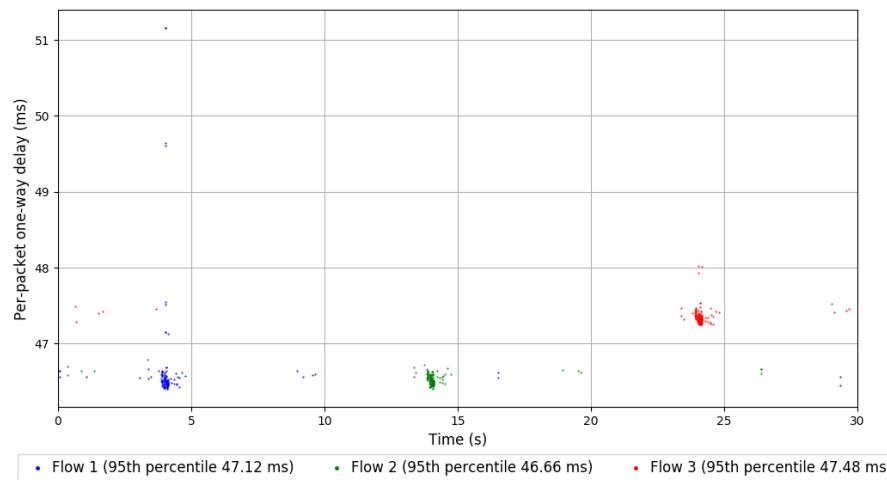
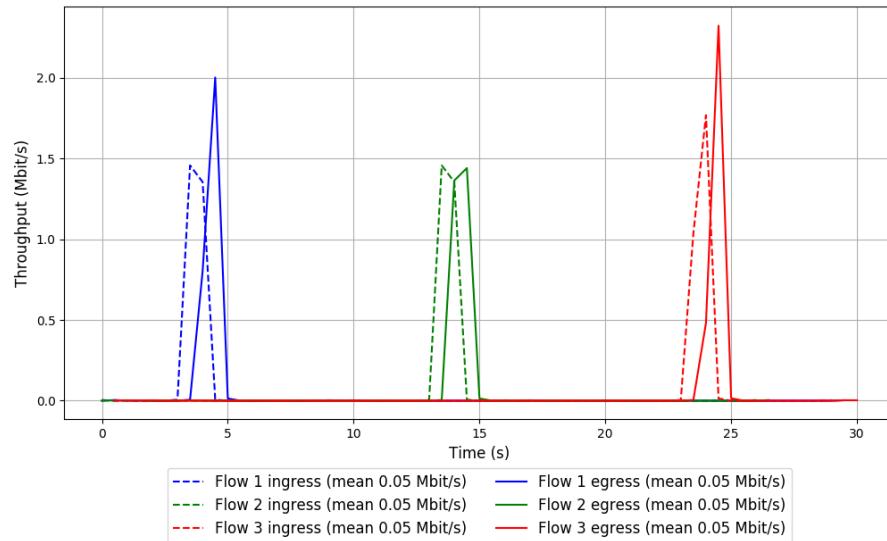


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-13 04:12:46
End at: 2019-07-13 04:13:16
Local clock offset: -0.04 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-07-13 08:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.484 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-13 04:53:00
End at: 2019-07-13 04:53:30
Local clock offset: -0.047 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2019-07-13 08:22:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 47.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.543 ms
Loss rate: 0.00%
```

### Run 5: Report of WebRTC media — Data Link

